APPENDIX A

Distribution List

Federal Agencies

Advisory Council on Historic Preservation
- Office of Federal Agency Programs
  - Charlene D Vaughn, Assistant Director for Federal Program Development

Federal Aviation Administration
- Eastern Regional Office
  - Katie Venticinque, Specialist
- Southwest Regional Office
  - Joan Tengowski, Technician

The White House
- Council on Environmental Quality
  - Edward Boling, Associate Director for NEPA Oversight
  - Manisha Patel, Deputy General Counsel

U.S. Department of Agriculture
- Farm Service Agency, Conservation and Environmental Program Division
  - Nell Fuller, National Environmental Compliance Manager
- Natural Resources Conservation Service
  - Andree DuVarney, National Environmental Coordinator
- U.S. Forest Service
  - Josiah Kim, Eastern Region Headquarters
  - Jacob D'Angelo, Monongahela National Forest
  - JoBeth Brown, Public Affairs Officer, George Washington and Jefferson National Forests
  - Eastern Divide Ranger District
  - Ecosystem Management Coordination
    - Joe Carbone, Assistant Director, NEPA
  - George Washington and Jefferson National Forests
    - Jennifer P. Adams, Special Project Coordinator
  - George Washington National Forest
  - Tom Speaks, Forest Supervisor, Region 8

U.S. Department of Commerce
- National Oceanic and Oceanic Administration
  - National Marine Fisheries Service
    - NEPA Coordinator

U.S. Department of Defense
- U.S. Army Corps of Engineers
  - Burnsville Dam Recreation Area
  - Huntington District
    - Christopher Carson
    - Michael Hatten
    - Audrey Richter, Regulatory Division Energy Resource Branch
    - Leon F. Parrott, Regulatory Division Energy Resource Branch

Norfolk District
Todd Miller
Tom Walker, Chief, Regulatory Branch
Pittsburgh District
Joshua Shaffer, Senior Regulatory Specialist
Regulatory/Permits
John Furry, Senior Policy Advisor, Planning and Policy Division

U.S. Department of Energy
Division of Natural Gas Regulatory Activities
John Anderson, Director
Office of Environmental Management
Mark Whitney, Principal Deputy Assistant Secretary
Office of NEPA Policy and Compliance
Carol M. Borgstrom, Director, OGC

U.S. Department of Health and Human Services
Center for Disease Control, National Center for Environmental Health
Sharunda Buchanan, Director, Division of Emergency and Environmental Health Services
Environmental Quality Program
Edward Pfister, Manager

U.S. Department of Homeland Security
Customs and Border Protection
Christopher Oh, Branch Chief
Federal Emergency Management Agency Region III
Sarah E. Wolfe, Floodplain Management and Insurance Mitigation Division

U.S. Department of Housing and Urban Development,
Office of Environment and Energy
Danielle Schopp, Community Planner

U.S. Department of Justice
Environment and Natural Resources Division
NEPA Coordinator

U.S. Department of State
Bureau of Oceans & International Environmental & Scientific Affairs
Alexander Yuan, Foreign Affairs Officer

U.S. Department of the Interior
Bureau of Indian Affairs
Pamela Snyder-Osmun, EMS / EMAP Program Manager
Terry L McClung, NEPA Coordinator
Eastern Regional Office
Harold Peterson
Tammie Poitra, Acting Regional Director
Johnna Blackhair, Deputy Regional Director
Franklin Keel, Regional Director

- Bureau of Land Management
  - Carol Grundman
  - Miriam Liberatore, Planning and Environmental Coordinator
  - Kerry Rogers, Senior NEPA Specialist
  - SE States District Office
    - Victoria Craft
- Bureau of Ocean Energy Management
  - Dr. Jill Lewandowski, Chief, Division of Environmental Assessment
- Bureau of Safety and Environmental Enforcement
  - David Fish, Chief, Environmental Compliance Division
- National Park Service
  - Patrick Walsh, Chief, Environmental Planning and Compliance Branch
  - Appalachian National Scenic Trail
    - Wendy Janssen, Park Manager
  - Jefferson National Forest
  - New River Gorge National River
    - Jesse M. Purvis
  - Southeast Region
    - Herbert Young
    - Wendy Janssen, AT Superintendent

U.S. Department of Transportation

- Office of Assistant Secretary for Transportation Policy
  - Camille Mittelholtz, Environmental Policy Team Coordinator
- Office of Assistant Secretary for Transportation Policy
  - Helen Serassio, Senior Environmental Attorney Advisor
- Office of Safety Energy and Environment
  - Barbara McCann, Director
- Pipeline and Hazardous Materials and Safety Adminstration
  - Karen Gentile, Eastern Region CATS Manager
  - Alex Dankanich, Eastern Region CATS Manager
  - Magdy El-Sibaie, Associate Administrator for Hazardous Materials Safety
  - Jeffrey Wiese, Associate Administrator for Pipeline Safety
  - Sherri Pappas, Senior Assistant Chief Counsel
  - Office of Pipeline Safety
    - Kenneth Y Lee, Director, Engineering and Research Division
    - Karen Lynch, National CATS Coordinator
    - Bryn Karaus, Senior Attorney
  - Surface Transportation Board
    - Victoria Rutson, Chief, Section of Environmental Analysis

U.S. Environmental Protection Agency

- Office of Enforcement and Compliance Assurance
  - Cynthia Giles, Assistant Administrator
- NEPA Compliance Division
  - Karin Leff, Director

Office of Federal Activites
Susan E Bromm, Director
Natural Gas STAR
Jerome Blackman
Region 3
Aaron Blair
Alaina McCurdy
Jeffrey D. Lapp, Associate Director
Tom UyBarreta, Environmental Protection Specialist, EAID
Shawn Garvin, Regional Administrator
Diana Esher, Air Protection Division
Jon M. Capacasa, Water Protection Division
U.S. Fish and Wildlife Service
Pennsylvania Field Office
Lora Zimmerman, Project Leader
Southwest Virginia Field Office
Troy Andersen
Shane Hanlon
Karen Mayne
Roberta Hylton
West Virginia Field Office
John Schmidt
U.S. Geological Survey
Environmental Management Branch
Esther Eng, Chief

Federal Representatives and Senators

U.S House of Representatives

Congressman Bill Shuster, Pennyslvania 9th District
Congressman Bob Goodlatte
Pete Larkin, Congressman Bob Goodlatte's Office
Congressman David McKinley, West Virginia 1st District
Congressman Keith Rothfus, Pennyslvania 12th District
Congressman Morgan Griffith, Virginia 9th District
Congressman Robert Hurt, Virginia, 5th District
Congressman Tim Murphy, Pennyslvania 18th District U.S.

U.S. Senate

Chairman Lisa Murkowski, Senate Energy and Natural Resources Committee
Senator Bob Casey, Jr.
Senator Joe Manchin III
Senator Mark Warner

Senator Patrick Toomey
Senator Shelley Moore Capito
Senator Tim Kaine
Evan McWalters, Senator Tim Kaine's Office

State Representatives and Senators

Pennsylvania

Pennsylvania House of Representatives
Representative Pam Snyder
Representative Rick Saccone

Pennsylvania State Senate
Senator Camera Bartolotta
Senator James R. Brewster

Virginia

Commonwealth of Virginia House of Delegates
Delegate Betsy B. Carr
Delegate Charles D. Poindexter
Delegate Daniel W. Marshall, III
Delegate Delegate Leslie R. Adams
Delegate Delegate Nick C. Rush
Delegate G. Magnoli Loupassi
Delegate Gregory D. Habeeb
Delegate Joseph R. Yost. 12th District
Delegate Lamont Bagby
Delegate Paul Krizek
Delegate Sam Rasoul, 11th District
Delegate Stephen E. Heretick, Richmond
Delegate Tony Wilt

Senate of Virginia
Senator A. Benton Chafin, Jr.
Senator Emmet W. Hanger, Jr.
Senator Frank M. Ruff, Jr.
Senator John S. Edwards
.
Senator Mark D. Obenshain
Senator Ralph K. Smith
Senator William M. Stanley, Jr

West Virginia

West Virginia House of Delegates
Delegate Adam Young
Delegate Brent Boggs
Delegate Dana Lynch
Delegate Danny Hamrick
Delegate Dave Perry
Delegate Dave Pethtel
Delegate John Pino
Delegate Margaret Smith
Delegate Margaret Staggers
Delegate Ray Canterbury
Delegate Richard Iaquinta
Delegate Ron Fragale
Delegate Roy Cooper
Delegate Tim Miley
The Honorable William Roger Romine

West Virginia Senate

Senator Jeffrey Kessler	Senator Jeffrey Kessler
Senator Kent Leonardt	Senator Larry Edgell
Senator Clark Barnes	Senator Ron Miller
Senator Doug Facemire	Senator Sam Cann
Senator Gregg Tucker	Senator William Laird

Native American Tribes

Absentee Shawnee Tribe of Oklahoma
- Edwina Butler-Wolfe, Governor
- Joseph Blanchard, Tribal Historic Preservation Office

Catawba Indian Nation
- Bill Harris, Tribal Chief
- Darin Steen, Environmental Services Director
- Evie Stewart, Tribal Administrator

Cayuga Nation of New York
- Clint Halftown, Nation Representative

Cheroenhaka (nottoway) Indian Tribe
- W.D. Brown, Chief

Cherokee Nation of Oklahoma
- Bill John Baker, Principle Chief

Chicahominy Tribe
- Stephen R. Adkins, Chief

Delaware Nation
- Cleanan Watkins, Acting President
- Clifford Peacock, President
- Darren Hill, Acting Director of Cultural Preservation Program
- Tamara Francis, Director, NAGPRA/Cultural Preservation

Delaware Tribe of Indians
- Dr. Brice Obermeyer, NAGPRA Representative
- Chester Brooks, Chief
- Paula Pechonick, Chief

Eastern Band of Cherokee Indians
- Michael Hicks, Principle Chief
- Yolanda Saunooke

Eastern Band of Cherokee Indians Qualla Boundary Reservation
- Russell Townsend, Tribe Historic Preservation Officer

Eastern Shawnee Tribe of Oklahoma
- Glenna Wallace, Chief
- Robin Dushane, Tribe Historic Preservation Officer

Mattaponi Indian Nation
- Carl Custalow, Chief

Miami Tribe of Oklahoma
- Douglas Lankford, Chief
- George Strack, Tribe Historic Preservation Officer

Monacan Indian Tribe
- Sharon Bryant, Tribal Chief

Nansemond Indian Tribal Association

Nottoway Indian Tribe
- Lynette Allston, Chief

Oneida Indian Nation
- Jesse Bergevin, Historian
- Raymond Halbritter, Nation Representative, CEO

Oneida Nation of Wisconsin
- Corina Williams, Tribe Historic Preservation Officer
- Edward Delgado, Chair

Onondaga Nation of New York
- Irving Powless, Chief
- Tony Gonyea, Faithkeeper

Ottawa Tribe of Oklahoma
- Ethel E. Cook, Chief
- Rhonda Hayworth, Tribe Historic Preservation Officer

Pattawomeck Indians of Virginia
- John Lightner, Chief

Rappahannock Tribe

Seneca Nation of Indians
- Barry Snyder, Sr., President
- Jay Toth, Archaeologist
- Maurice John, President
- Melissa Bach, Tribal Historic Preservation Officer

Seneca-Cayuga Tribe of Oklahoma
- LeRoy Howard, Chief
- Paul Barton, Historic Preservation Officer
- William Fisher, Chief

Shawnee Tribe of Oklahoma
- Ron Sparkman, Chief
- Kim Jumper, Preservation Officer

St. Regis Mohawk Tribe
- Arnold Printup, Tribe Historic Preservation Officer
- Beverly Cook, Chief
- Paul O. Thompson, Chief
- Ron LaFrance, Jr., Chief

Stockbridge-Munsee Band of the Mohican Nation, Wisconsin
- Bonney Hartley, Tribal Historic Preservation Officer
- Sherry White, Tribal Historic Preservation Officer
- Wallace Miller, Tribal President

Temple University Department of Anthropology
Susan Bachor, Delaware Tribe Historic Preservation Representative
Tonawanda Band of Seneca Indians of New York
Darwin Hill, Chief
Roger Hill, Chief
Tuscarora Nation
Leo Henry, Chief
Neil Patterson, Jr., Director of the Chiefs Council Tuscarora Environmental Program
United Keetoowah Band of Cherokee
Lisa Baker
Lisa Stopp, Tribal Historic Preservation Officer
United South and Eastern Tribes
Kitcki Carroll, Executive Director
Wyandotte Nation
Sherri Clemons, Tribe Historic Preservation Officer
Wyandotte Nation of Oklahoma
Billy Friend, Chief

State Agencies

Pennsylvania

Pennsylvania Chamber of Business and Industry
Gene Barr, President and CEO
Pennsylvania Department of Agriculture
Johan Berger, Director, Conservation District and Certification Programs
State Conservation Commission
Pennsylvania Department of Community and Economic Development
Dennis M. Davin, Acting Secretary
Pennsylvania Department of Conservation and Natural Resources
Conservation Science and Ecological Services Division
Natural Heritage Section
Greg Podniesinski, Section Chief
Pennsylvania Department of Environmental Protection
Air Permits Division
Devin Tomko, Air Quality Engineering Specialist
Mark Gorog, Environmental Engineer Manager
Mark Wayner, Air Quality Program Manager
Division of Waterways, Wetlands, and Stormwater Management
Southwest Regional Office
Pennsylvania Department of Transportation
John Brosnan, H.O.P. Manager, Engineering District 11-0
Richard Marker, P.E., H.O.P. Manager, Engineering District 12-0
Pennsylvania Fish and Boat Division
Dave Spotts, Chief

Pennsylvania Game Commission, Bureau of Wildlife Management
Division of Environmental Planning and Habitat Protection
Pennsylvania Historical and Museum Commission
James Vaughan, SHPO and Executive Director
Bureau for Historic Preservation
Barbara Frederick, Western Region Historic Resources
Douglas C. McLearen, Chief, Division of Archaeology and Protection
Kira Heinrich, Archeological Resources
Serena Bellew, Bureau Director / Deputy State Historic Preservation Officer
Pennsylvania State Attorney General
Kathleen G. Kane, Attorney General
Pennsylvania State Department of General Services
Pennsylvania State Governor's Office
Tom Wolf, Governor
Pennsylvania State Police

Virginia

Attorney General of Virginia
Kevin O'Holleran, Chief of Staff
Mark Herring, Attorney General
State of Virginia
Maurice Jones, Secretary of Commerce and Trade
Molly Ward, Secretary of Natural Resources
Ralph Northam, Lieutentant Governor
Terry McAuliffe, Governor
Virginia Department of Conservation and Recreation
Clyde Cristman, Director
Division of Natural Heritage
S. Rene Hypes, Project Review Coordinator
Division of Planning and Recreation
Robbie Rhur
Virginia Cave Board
Meredith Hall Weberg, Chair
Virginia Department of Environmental Quality
Bettina Sullivan, Program Manager - Environmental Impact Review and Long-Range Priorities
David Paylor, Director
Frederick K. Cunningham
Air Permitting Division
Michael Dowd, Air Divison Director
Blue Ridge Regional Office Air Permitting
Blue Ridge Regional Office Water Permitting
Office of Environmental Impact Review
Ellie L. Irons,

Water Division
Melanie D. Davenport, Director of Water Division
Virginia Department of Forestry
Brad Williams
Virginia Department of Game and Inland Fisheries
Robert Duncan, Executive Director
Virginia Department of Mines Minerals and Energy, Division of Gas and Oil
Rick Cooper, Director
Virginia Department of Transportation
Virginia DHR Division of Review and Compliance
Roger Kirchen, Director and State Historic Preservation Officer

West Virginia

State of West Virginia
E. B. McElwain, State Auditor
West Virginia Department of Agriculture
Walt Helmick, Commissioner
West Virginia Department of Commerce
Keith Burdette, Secretary of Commerce
West Virginia Department of Environmental Protection
Nancy Dickson
Randy C. Huffman, Cabinet Secretary
Division of Water and Waste Management
Wilma Reip, Manager - 401 Certification Program
Yogesh Patel, Engineering Chief
Division of Air Quality
William Durham
Office of Oil and Gas Permitting
Tom Bass, Permitting - Environmental Resources Program Manager
West Virginia Department of Transportation
Division of Highways
West Virginia Division of Culture and History, State Historic Preservation Office
Randall Reid-Smith, Commissioner and State Historic Preservation Officer
Susan Pierce, Director and State Historic Preservation Officer
West Virginia Division of Energy
John F “Jeff” Herholdt, Jr., Director
West Virginia Division of Forestry
Gregory W. Cook, Deputy State Forester
Randy Dye
West Virginia Division of Natural Resources
Clifford Brown
Robert A. Fala, Director
Division of Natural Heritage
Curtis I. Taylor

Natural Heritage Program, Office of Wildife Services
Barbara Sargent
Office of Land and Streams
Joe T. Scarberry
West Virginia Division of Tourism
Amy Goodwin, Commissioner
West Virginia State Attorney General
Patrick Morrisey, Attorney General
West Virginia State Governer's Office
Earl Ray Tomblin, Governor

County Agencies

Pennsylvania

Allegheny County
Amanda Green Hawkins, Chair, Economic Development and Housing Committee
Heather S. Heidelbaugh, Council At-Large, County Council
Jack Exler, Chair, Industrial Development Authority
Jan Lauer, District Manager, Consertion District
John DeFazio, President, County Council
Rich Fitzgerald, Executive
Robert J. Macey, Council Member, District 9
William D. McKain, CPA, Manager, Health Department
Fire Marshal's Office
Police
Sheriff
Greene County
Archie Trader, Board of Commissioners, Vice Chair
Blair Zimmerman, Board of Commissioners, Secretary
Chuck Morris, Board of Commissioners, Chairman
Cory L. Grander, Treasurer
Greg Leathers, Director, Emergency Management Agency
Jeffrey Marshall, Chief Clerk
Jeremy Kelly, County Planner and Business Development Manager
Lisa Snider, Consertion District Manager
Sheriff
Southwest Regional Police
Washington County
Diana Irey ughan, Commissioner
Harlan G. Shober, Jr., Commissioner
Jeff Yates, Director, Emergency Medical Services
Lawrence O. Maggi, Chairman, Board of Commissioners
Lisa L. Cessna, Executive Director, Planning Commission
Mary Helicke, Chief Clerk

Scott Fergus, Administration Director
Sheriff

Virginia

Craig County
B. Clayton Goodman, III, County Administrator
Board of Supervisors
Franklin County
Bob Camicia, Supervisor
Bobby Thompson, Supervisor
Charles Wagner, Supervisor
Cline Brubaker, Vice Chairman, Board of Supervisors
Daryl Hatcher, Public Safety Director
David Cundiff, Chairman, Board of Supervisors
Leland Mitchell, Supervisor
Lisa Cooper, Senior Planner
Michael Burnette, Economic Development Director
Richard E. Huff, II, County Administrator
Ronnie Thompson, Supervisor
W.Q. "Bill" Overton, Sheriff
Giles County
Barbara M. Hobbs, Chairman, Board of Supervisors
Christopher P. McKlarney, County Administrator
John Ross, County Planner
Larry "Jay" Williams, Supervisor
Morgan Millirons, Sheriff
Paul "Chappy" Baker, Supervisor
Richard "Ricky" McCoy, Supervisor
Scott Dunn, Vice Chairman, Board of Supervisors
Jefferson County
James Jefferson, County Attorney
Montgomery County
Allan Bookout, Chairman
Bill Brown, Chairman, Board of Supervisors
Brian Hamilton, Economic Development Director
Christopher Tuck, Supervisor
F. Craig Meadows, County Administrator
J.T. "Tommy" Whitt, Sheriff
Marty McMahon, County Attorney
Mary Biggs, Vice Chairman, Board of Supervisors
Neal Turner, Emergency Services Coordinator

Pittsylvania County

Brenda H. Bowman, Supervisor
Coy E. Harville, Supervisor
J. den Hunt, County Attorney
James E. Davis, Emergency Management Director
James Snead, Supervisor
Jerry A. Hagerman, Board of Supervisors, Callands - Gretna District
Jessie L. Barksdale, Chairman, Board of Supervisors
Michael W. Taylor, Sheriff
Tim R. Barber, Vice Chairman, Board of Supervisors

Pulaski County

Peter Huber, Administrator

Roanoke County

Al Bedrosian, Supervisor
Charlotte A. Moore, Supervisor
Clarence Monday, County Administrator
Dan O'Donnell, Interim County Administrator
Deborah C. Jacks, Deputy Clerk to the Board of Supervisors
Jill Loope, Economic Development Director
Michael G. Winston, Sheriff
P. Jason Peters, Vice Chairman, Board of Supervisors
Paul Mahoney, County Attorney
Richard E. Burch Jr., Fire and Rescue Chief
Richard L. Caywood, P.E., Assistant County Administrator
Thomas C. Gates, County Administrator

West Virginia

Braxton County

Arlene Herndon, Assessor
Eddie Wayne Williams, Sheriff
Gary Ellyson, II, County Commission President
Ron Facemire, County Commissioner
Susan Frame Lemon, Circuit Clerk
Susan Lunceford, County Clerk
Teresa Frame, County Commissioner

Doddridge County

Beth Rogers, County Clerk
David Sponaugle, Assessor
Dwight E Moore, Circuit Clerk
Gregory Robinson, County Commissioner
Mike Headley, Sheriff
Ralph Sandora, Jr., County Commission President
Shirley Williams, County Commissioner

Fayette County

Danny Wright, Circuit Clerk
Debbie Berry, County Administrator
Denise Scalph, County Commission President
Harvey Eddie Young, Assessor
John Lopez, County Commissioner
Kelvin Holiday, County Clerk
Matt Wender, County Commissioner
Steve Kessler, Sheriff

Franklin County

Jason Thurman, Vice President/Acting President

Greenbriar County

Jan Cahill, Sheriff
Karen Lobban, County Commission President
Kelly Banton, County Commission Assistant
Michael McClung, County Commissioner
Robin Loudermilk, County Clerk
Steve K Keadle, Assessor
Woody Hanna, County Commissioner

Harrison County

Albert F. Marano, Sheriff
Bernie Fazzini, County Commissioner
Cheryl Romano, Assessor
Donald Kopp, Circuit Clerk
Michael Romano, County Commissioner
Ron Watson, County Commission President
Susan Thomas, County Clerk
William “Willy” Parker, County Administrator

Lewis County

Adam M. Gissy, Sheriff
Agnes Queen, County Commission President
Cindy Whetsell, County Administrator
John B Hinzman, Circuit Clerk
Mary Myers, County Clerk
Pat Boyle, County Commissioner
T Chad Kelley, Assessor
Tom Fealy, County Commissioner

Board of Education

Monroe County

Bill Miller, County Commissioner
Clyde Gum Jr., Commission President
Donald Ens, County Clerk
Harold “Rocky” Parsons, Planning Commission
Leta M Comer, Circuit Clerk

Mike Gravely, Sheriff
Norbert Netzel, Assessor
Shane Ashley, County Commission President
Administration Building
Monroe County Schools
Joetta Basile, Superintendent
Nicholas County
Audra Deitz, County Clerk
David Hopkins, Sheriff
Debbie Facemire, Circuit Clerk
Ernie Dennison, Assessor
John Miller, County Commission President
Ken Altizer, County Commissioner
Yancy Short, County Commissioner
Building Commission
Nicholas County High School
Kendra Rapp, Principal
Summers County
Bill Lightner, County Commission President
Garry E. Wheeler, Sheriff
Greg Vandall, Assessor
Jack Woodrum, County Commissioner
Linda Brumit, Circuit Clerk
Mary Beth Merritt, County Clerk
Tony Williams, County Commissioner
Webster County
Bill Armentrout, County Commission President
Daniel Dotson, County Commissioner
David G. Bender, Sheriff
E Green, County Clerk
Jeanine Moore, Circuit Clerk
Jerry Hamrick, County Commissioner
Max Cochran, Assessor
Tracy, Assistant to the Commission
Don Mason, Commissioner
Edgar Sapp, Director, Flood Plain Management, Emergency Services
John E. Brookover, Sheriff
Lawrence Lemon, Commissioner
Robert Gorby, Commissioner
Scott Lemley, Assessor
Sharon M Dulaney, Circuit Clerk

Town Agencies

Ohio

Chippewa Township
Robert MacGregor, President

Pennsylvania

Bunola Volunteer Fire Company Station #156
Curtis Strotman
John Folf
Clarksville Volunteer Fire Company
Scott Gilblom, Chief
Elrama Volunteer Fire Company
Finleyville Borough
Finleyville Volunteer Fire Department
Jeff Lawrence, EQT
Forward Township
Karen Stetor, Secretary
Board of Supervisors
David Magiske, Vice Chair
Ronald Skrinjorich
Tom DeRosa, Chairman
Planning Commission
Larry Millagin
Police Department
Volunteer Fire Company EMS, Station #155
Karen Pierce, Chief
Franklin Township
Carol T. Kraft, Secretary
Board of Supervisors
Corbly Orndorff, 3rd Chair
John Higgins, Vice Chair
T. Reed Kiger, Chairman
Emergency Management Agency
Richard Owens, EMA Coordinator
Planning Commission
Allen Hill, Chairman
Gallatin-Sunnyside Volunteer Fire Department, Station #154
John Hess, Chief
Jefferson Borough
Charles Barno, Borough Council
Edward Shipley, Mayor
Lance Sahady, Borough Council

Sandra Dulik, Council Vice President
Steven Dulik, Borough Council
Theresa Knight, Council President

Jefferson Township

Board of Supervisors

Michael Devecka, 3rd Chair
Mickey Dikun, Vice Chair

Jefferson Volunteer Fire Company

Duane Walters, Chief

Jefferson–Morgan Schools

Donna Furnier, Superintendent

Morgan Township

Board of Supervisors

Dominick Barbetta, 3rd Chair
James Gayman, Sr., Vice Chair
Shirl Barnhart, Chairman

Emergency Management Agency

Eric Burwell, EMA Coordinator

Secretary

Relda K. Litten

Ringgold School District

Union Township

Debra Nigon, Secretary

Board of Supervisors

Charles Trax, Member
Edward Frye, Member
Larry Spahr, Vice Chairman
Paul Chasko, Member
Steve Parish, Member

Planning Commission

Carl DeiCas, Member
Hal Breinig, Member
John Partazana, Member
Lori Kenavey, Member

Subdivision and Land Development

Harold Ivery, Building Code/Zoning Official
Peter Grieb, Building Code/Zoning Official

Waynesburg-Franklin Township

Volunteer Fire Company

Jeff Marshall, Chief

Virginia

Chatham High School
Randy Foster, Principal
Eastern Montgomery High School
Danny Knott, Principal
Town of Blacksburg
Ron Rordam, Mayor
Town of Boones Mill
George W. Nester, Town Manager
Town of Chatham
Town of Meadow Bridge
Todd King, Supervisor

West Virginia

City of Bridgeport
A. Kim Haws, City Manager
Charles Feathers, Fire Chief
Diana Cole Marra, Councilwoman
Dustin Vincent, Councilman
Hank Muarry, Councilman
John S. Wilson, Sr., Councilman
John Walker, Police Chief
Robert Greer, Mayor
City of Clarksburg
Catherine Goings, Mayor
Gary Bowden, Councilman
Jim Malfregeot, Councilman
Margaret Bailey, Councilwoman
Martin Howe, City Manager
Patsy Trecost II, Councilman
Rick Scott, Fire Chief
Robert Caplan, Councilman
Robert Hilliard, Police Chief
Sam Lopez, Councilman
City of Hinton
Bob Basham, Councilman
Cris Meadows, City Administrator
Derek Snavely, Police Chief
Joseph Blankenship, Mayor
Larry Meador, Councilman
Pat Jordan, Councilman
Ray Pivont, Fire Chief
Roberta Sorg, Councilwoman

City of Richwood
- Britt Nicholas, Councilman
- Christopher Cole, Police Chief
- Geraldine Juergens, Councilwoman
- J.C. Callaghan, Councilman
- Robert Johnson, Mayor
- Robin Brown, Councilwoman
- Terry Lewis, Councilman
- Tom Coleman, Fire Chief

City of Weston
- Dave Blake, Councilman
- Jim Oldaker, Councilman
- Julia Spelsberg, Mayor
- Kenny James, Fire Chief
- Michelle Allen, City Manager
- Randy Posey, Police Chief
- Roger Gaines, Councilman
- Terry Cogar, Councilman

Jacksonburg Volunteer Fire Department
- Brad Brown, Fire Chief

James Monroe High School
- Lisa Mustain, Principal

New Martinsville
- Lucille Blum, Mayor

City Council
- Chris Bachman, Councilman
- Holly Grandstaff, Councilman
- Joel Potts, Councilman
- Kay Goddard, Councilman
- Marikay Corliss, Councilman
- Steve Pallisco, Councilman

Office of Emergency Management
- Ed Sapp, Director

Police Department
- Tim Cecil

Volunteer Fire Department
- Larry Couch, Fire Chief

North Marion High School
- Russelle Devito, Principal

Pine Grove Volunteer Fire Department
- Tim Wilcox, Fire Chief

Reader Volunteer Fire Department
- Don Barker, Fire Chief

Town of Addison

David Cutlip, Police Chief
Don E. McCourt, Mayor / Fire Chief
Elaine Green
Jennings Greene, Councilman
Kevin Stout, Councilman
Larry Clevenger, Councilman
Woody Pugh, Councilman

Town of Camden On Gauley

Cecil Fletcher, Councilman
Dan Seabolt, Councilman
Jamie Acord, Police Chief
Lisa Cutlip, Mayor
Mary Hopkins, Councilwoman
Twila Evans, Councilwoman

Town of Cowen

Allen Cogar, Police Chief
Carl Bean Jr., Councilman
Christine Ayers, Councilwoman
Claudia Given, Councilwoman
Patricia Williams, Councilwoman
Tammy Crue-Hawkins, Mayor

Town of Flatwoods

Brenda Naye, Council Member
Connie Kniceley, Council Member
Donald Conrad, Fire Chief
Doug Conant, Council Member
Frank King, Council Member
Natalie Treadway, Recorder
Pamela Skelly, Mayor
Sandi Johnson, Council Member

Town of Meadow Bridge

Barney Wade, Councilman
Carolyn “CeCe” Arritt, Councilwoman
Charles Barnett, Councilman
Elizabeth Rhodes, Councilwoman
Norma Aliff, Councilwoman
Tim Killen, Mayor

Town of Peterstown

Burke Porterfield, Councilman
Christopher Whitt, Councilman
Jerry Brown, Fire Chief
Michael Lively, Mayor
Phillip Shrewsbury, Councilman

Scotty Phipps, Councilman

Town of Quinwood

Andrea Legg, Councilwoman
Bo Hellems, Fire Chief
Cyndi Nutter Goddard, Mayor
David Nutter, Councilman
Ed Byers, Councilman
Glen Walton, Councilman
Jay Kerr, Police Chief
Julie Cooper, Councilwoman

Town of Rainelle

Andrea Pendleton, Mayor
David Spitzer, Councilman
Eddie Midkiff, Councilman
John Stevens, Police Chief
Monica Venable, Councilwoman
Randy Pendleton, Councilman
Ron Fleshman, Councilman
Shawn Wolford, Fire Chief

Town of Rupert

David McAfee, Councilman
David Yoakum, Jr., Councilman
Donald Keech, Councilman
Jim Nichols, Mayor
Joe Coughlin, Fire Chief
Lisa Dennison, Councilwoman
Michael Keatley, Councilman

Town of Summersville

Amy Young, Councilwoman
Dave Harper, Councilman
Eugene Underwood, Councilman
Joe Rapp, Councilman
John J. Nowak, Police Chief
Lisa Baker, Councilwoman
Mike Steadham, Councilman
Rodney Snodgress, Fire Chief
Wayne Halstead, Councilman

Town of Sutton

Allen Bly, Councilman
Gabriel Hopen, Councilman
J.L. Campbell, Mayor
John Tinney, Fire Chief
Mary Redman, Councilwoman
Trina Beall, Councilwoman

Town of Union

Barbara Weikle, Councilwoman
Caroline Sparks, Mayor
Jody Gullette, Councilman
Larry Dunbar, Fire Chief
Pat Mustain, City Administrator
Randall Mills, Councilman
Stacey Miller, Councilwoman

Town of West Union

Deborah Foreman, Councilwoman
Joseph Thorpe, Mayor
Lowell McAfee, Councilman
Michael Amos, Councilman
Nancy Travis, Councilwoman
Patrick Robinson, Police Chief

Libraries

Pennsylvania

Allegheny County Library
Citizens Library
Clairton Public Library
Eva K. Bowlby Public Library
Flenniken Public Library
Green County Library System
Jefferson Hills Public Library
Peters Township Public Library

Virginia

City of Salem Public Library
Craig County Public Library
Franklin County Library
Meadowbrook Public Library
Montgomery-Floyd Regional Library
Pearisburg Public Library
Pittsylvania County Library
Roanoke County Library
South County Library

West Virginia

Bridgeport Public Library
Burnsville Public Library
Center Point Outpost Library
Clarksburg-Harrison Public Library
Cowen Public Library
Craigsville Public Library
Doddridge County Library
Fayette County Public Library
Fayetteville Public Library
Greenbrier County Public Library
Louis Bennett Public Library
Monroe County Public Library
New Martinsville Public Library
Pine Grove Public Library
Rainelle Public Library
Summers County Public Library
Summersville Public Library
Sutton Public Library
Webster-Addison Public Library

Newspapers and Media

Pennsylvania

Greene County Messenger
Eric Morris
KDKA-TV
Observer Reporter
Emily Petsko
Pittsburgh Post-Gazette
Stephanie Ritenbaugh
Pittsburgh Tribune-Review
David Conti
The Daily News
Patrick Cloonan
Valley Independent News
Chris Buckley
WPXI-TV
WTAE-TV

Virginia

Chatham Star Tribune
The Danville Register and Bee
The Franklin News-Post
The Newcastle Record
The Roanoke Times
Duncan Adams, Staff Writer

West Virginia

Beckley: Register-Herald
Braxton Citizen's News
Clarksburg Exponent-Telegram
Darlene Taylor
Doddridge Independent
Fayette Tribune
Hinton News
Monroe Watchman
Mountain Messager
Nicholas Chronicle
The Exponent Telegram
The State Journal
The Weston Democrat
WBOY-TV
WDTV-TV
Webster Echo
West Virginia Daily News/Greenbrier Valley Ranger
West Virginia Public Broadcast
Beth Vorhees
Wetzel Chronicle
Lauren Riggs
WVFX-TV

Intervenors

Amanda Conner, American Electric Power Service Corporation
Andrew Geier
Angela Stanton, Protect Our Water, Heritage and Rights (POWHR)
Anita Puckett
Ann Petrie Brown
Anna Karr
Ann-Marie Conner
Ariel Darago
Ashley L. Johnson
Beth Covington
Bill Dooley
Bowie Goodman, Craig County, Board of Supervisors
Bradley R. and Janice L. Foro
Bruce Coffey
Bruce Zoecklein

Cameron Bermand
Carl E. Zipper
Carol C. Bienstock
Carolyn Jake
Charles F. and Rebecca A. Chong
Charles Nikolaus
Cheryl Borgman
Chris and Gina Kaknis
Chris Asmann
Chris Roberts
Christian M. Reidys
Christina Witcher
Christopher Barrett
Christopher J. Barr and Jessica Rogers, Peoples Natural Gas Company LLC
Clifford A. Shaffer and Theresa C. Hrubec
Clifford S. and Laura J. Cleavenger, et al
Dana O. Olson and Jana Peters Olson
Dane Webster
Daniel Archuleta, Dominion Hope
Daniel Curtis Campbell
Daniel Moore
David and Judith Rauchle
David Brady, Greater Newport Rural Historic District Committee, Member
David E. and Laura K. Berry
David J. Werner
David Perry, Blue Ridge Land Conservancy, Executive Director
Deborah E. Hammond
Delwyn A Dyer, Dyer Family Trust
Dennis Bryant
Diane Conner, RGC Resources, Inc.
Don Barber
Donna Riley
Donna S. Pitt, Preserve Giles County
Doris Link, Greater Newport Rural Historic District Committee
Dorothy Larew
Dragana Avirovik
Dwayne Milam
Edward Savage
Eldon L. and Sue M. Karr
Eleanor Amidon
Elisabeth Sichel
Elizabeth Ackermann
Elizabeth Hahn
Elizabeth Lee Terry c/o Elizabeth Terry Reynolds
Erin McKelvy
Ernie Reed, Friends of Nelson
Frank H. Terry, Jr., et al
Frank Wickline
Franklin County
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Grace Terry
Gregory Buppert, Southern Environmental Law Center
Gwynn Kinsey
Harriet Hodges
Helena Teekell
Hersha Evans
Highlanders for Responsible Development Inc
Holly Scoggins
Holly Waterman
Howdy Henritz
Ian Elliont and Carolyn Elizabeth Reilly, David J. and Betty B. Werner
J Phillip Pickett
James Blasiak, Washington Gas Light Company
James Chandler
James Jeffries, Duke Energy Progress, LLC
James McGrady
Jana Peters
Jane Lewis-Raymond, Piedmont Natural Gas Company, Inc.
Jason Boyle
Jason Dalton, Peoples Natural Gas Company LLC, Analyst, Consultant, Rates and Regulatory Affairs
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Jean L. Porterfield

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Joel L. Greene, Jennings, Strouss, & Salmon, P.L.C.
Joel Shaffran, Monroe County Organic District
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John D'Orazio, RGC Resources, Inc.
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John P. Bernard, Cahas Mountain Rural Historic District
John Pirko, Craig-Botetourt Electric Cooperative
Jonathan McLaughlin
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Keith M. Wilson
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Kelsey Williams
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Laurie Ardison
Lenora Montuori
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Leslie Day
Lindsay Newsome
Lois Mabel Waldover Martin, Lois King Waldover
Lois Martin
Loretta Brolsma
Louisa Gay
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Margaret Roston
Marjorie M. Lewter
Mark Joyner
Mark Laity-Snyder
Marshall D. and Pamela S. Tessnear
Mary Keffer
Matthew Denton-Edmundson
Matthew Eggerding, Mountain Valley Pipeline LLC
Maury W. Johnson
Melissa A. Alfano, Jennings, Strouss, & Salmon, P.L.C.
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Nadia Doutcheva
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Nancy Turner, Montgomery County
Olivia Foskey
Orus Ashby Berkley
P. Annie Seago
Patrick Robinson
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Paul Savage, Consolidated Edison Company of New York, Inc.
Paula Mann
PJ Crabtree
Preserve Monroe
Rachel Warnock
Randall Rich, IOGA of West Virginia
Raymond Roberts
Rebecca Dameron, Preserve Bent Mountain
Renee Howell
Renee Powers
Richard Chidester, Giles County, County Attorney
Richard D. Shingles, Preserve Giles County

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Rose Lennon, Washington Gas Light Company
Roseanna Sacco
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Ryan D. Talbott, Allegheny Defense Project
Samuel Gittelman
Sandra Schlaudecker
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Scott H. and Elizabeth Struthers Malbon
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Shenandoah Valley Battlefields Foundation
Shenandoah Valley Network
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Stephen D. Legge
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Stephen M. Miller, Save Monroe Inc.
Stephen Soule, WGL Midstream, Inc.
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Thomas Prentice
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Ursula Halferty
Valerie Ughetta
Vicki Pierson
Victoria Stone
Virginia Cross
Virginia Wilderness Committee
Vivian Stockman, Ohio Valley Environmental Coalition
W. Samuel Easterling, et al
Wayne Wilson
Wilbur and Irene Larew
Wilbur Stanton, Ph.D., Preserve the New River Valley
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William H. Roberts II, Peoples Natural Gas Company LLC, Senior Counsel
William Lavarco, NextEra Energy Power Marketing, LLC
Zane Lawhorn

Organizations and Companies

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500-Year Forest Foundation
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Clyde Sparks, Trustee
AED, LLC
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Alleghany Country Farms, Inc.
Allegheny Defense Project
Ryan Talbott, Executive Director

Allegheny Energy Supply Co., LLC and Tax Dept Supply
Allegheny Land Trust
Rhonda Madden, Administrator
Alpha Natural Resource Services, LLC
Frank B. Harrington, Counsel
American Chemistry Council
American Electric Power
Todd Burns, Director, Transmission Siting
American Mountaineer and Energy Inc.
American Mountaineer Energy, Inc. c/o Murray Energy Corp
Alex P. O'Neil
AMP Stevens, LLC
APG Lime Corporation
Valerie Robbins
Appalachian Mountain Advocates
Isak Howell, Attorney
Appalachian Power Company
Joe Jones, External Affairs Director, Virginia
Appalachian Trail Conservancy
Andrew Downs, Southwest and Central Virginia Regional Director
Ronald J. Tipton, Executive Director/CEO
Appalachian Voices
Tom Cormons, Executive Director; C/O Kayti Wingfield, Executive Direcor
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Associated Builders and Contractors
Patrick Dean, President, Virginia Chapter
Associated General Contractors of Virginia
Richard Moyers, Executive Director
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Sue Wheeler
B L Farm
Brian Spark
B.A. Mullican Lumber and Manufacturing Company, L.P.
Terry Brennan
Back Road Dairy
Robert Keffer
Bailey and Glasser LLP
Isak Howell
Barbara A. Nickum Trust
Barger Family Trust
Philip J. and Diane S. Barger
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Bat Conservation International
Andrew Walker, Executive Director
BDJ, LLC
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Bent Mountain Farms, LLC
David Higginbotham
Big Chief Drilling and Production Co. Inc.
Blackrock Enterprises LLC
Blacks Chapel Cemetery, Inc.
Elizabeth Swiger, Treasurer
Blue Eagle Partnership, LLC
Blue Ridge Environmental Defense League
Mark Barker
Blue Ridge Parkway Association
Tom Hardy, Executive Director
Blue Roamin Farm
Patricia Ann Colt
Branch Banking and Trust Co.
BB&T Property Tax Compliance
Braxton County Economic Development Authority
Terrell Ellis, Director
Braxton Industries
Wanda Wilmer
Braxton Oil and Gas Corp.
Briarwood Development, LLC
Bristol Methodist Church
Brown Mist Fuel Company
Brush Mountain Estates
Buck Ridge Farm
Melvin Carlos and Gethyl Sue Huffman
C. L. Draughn Ditching Contractor, Inc.
C. L. and Phyllis E. Draughn

Calloway Level Primitive Baptist Church
Cemetery Guardian
Gloria Bennett, POA
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Canestrale Environmental Control Co.
Celanese Acetate LLC
Celanese Corporation
Perry Aliotti, District Sales Manager
CFX, Inc.
James D. Scott
Charleroi Area School District
Edward Zelich, Superintendent
Charleston Regional Chamber of Commerce
Matt Ballard
Chemical Lime Company of Virginia
Chesapeake Bay Foundation
Ann Jennings, Executive Director
Chesapeake Bay Program
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Chesapeake Climate Action Network
Dawone Robinson, Virginia Policy Director
Chestnut Mill Ranch, LLC
Kevin Browne
Ciras Inc
Kevin Harper
CNG Transmission Corp., C/O Dominion Transmission, Inc. C/O Tax Dept.
CNX Gas Company LLC
Coal Bank Ridge Homeowners Association
John Walker et. al, President
Coastal Forest Resources Company
Coastal Timberlands Company
Edward Kraynok
Columbia Forest Products
Richard Ray
Columbia Plywood Corp.
Chris Neal
Columbia West Virginia Corp.
Comfort Inn
Andy N. Tharp
Commonwealth Forest Investments Inc.
Josh Harold
Consolidated Rail Corp and Norfolk Southern Corp Tax Dept.
Consolidation Coal Company
Consolidation Coal Company and CNX Land Property Tax
Countryside Land Company LC
County Commissioners Association of Pennsylvania
Douglas Hill, Executive Director
Craig Botetourt Electric Cooperative
Shawn Hildarandt
CSX Railroad PGH and Lake Erie RR Co
CSX Transportation Inc
Cummings Properties, an Ohio LLC
Mark F. Cummings
Dallison Lumber, Inc.
Ed Dallison
Danbury Ltd.
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Danville Institute for Advanced Learning and Research
Jerry Gwaltney, Executive Director
Danville Regional Foundation
Karl Stauber, President and CEO
DB Mining Services, Estate of James Humphrey, Estate of Vorheis Buskirk MacNab, Martha Buskirk and Barbara Buskirk
DB Mining Services LLC
DJR Holdings, Inc.
Doddridge County Economic Development Authority
Herk Connor, Director
Doe Creek Farm, Inc.
Dominion
Brien Fricke
Dominion Transmission, Inc.
Doughboy LLC, (Millehan, Joseph and Vicky)
Joseph and Vicky Millehan
Dowdy Farm LLC
Ducks Unlimited
Neal Roth, Senior Regional Director

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JR Felchock, State Chairperson, Pennsylvania
Scott Paschke, Regional Director – Pennsylvania
Ducks Unlimited, Virginia
David Adamson, State Chairman
Ducks Unlimited, West Virginia
Vernon Anderson, State Chairman
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Ed Broome, Inc.
Edwards Properties, Ltd.
Elrama McGuirk, LLC and Liberty USA, Inc.
EMAX Gas Company
Dean Martineli
Environment Virginia
Sarah Bucci, Campaign Director
Environmental Defense Fund
Jane Preyer, Director of the Southeast Office
Environmental Fund for Pennsylvania
EQT Gathering, LLC
Equitrans, LP
Ernestine Trent Estate
Trent Ottaway, Executor
Evergreen Conservancy
First American Real Estate Escrow Reporting
Steven and Robin Hancock
First American Real Tax Service, Escrow Report DRW 4-3
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First Piedmont Corporation
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Forks of John's Creek Christian Church
Donald Caldwell et al, Elder and Board Chairman
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R John Dawes, Executive Director
Fox Brothers Properties
Roy Fox
Franklin Center for Advanced Learning and Enterprise
Kathy Hodges, Executive Director
Franklin Community Bank, N.A.
Franklin County Historical Society
Ann Hull, Director
Franklin Real Estate Company
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Freshwater Mollusk Conservation Society
Jared Margolis
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Judy Rodd, Executive Director
Friends of Lower Greenbrier River and Greenbrier River Watershed Association
Mark Blumenstein, Past President of and Co Founder
Friends of the Blue Ridge Parkway
Susan Jackson Mills, PhD, Executive Director
Friends of the Lower Greenbrier River
Anna Osborne, President
Kelsey Morgan, Staff
Friends of the Rivers of Virginia
Bill Tanger, Chairman
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John Blake
Garden Club of Virginia
Lynn McCashin, Executive Director
Giles County Chamber of Commerce
Cathy Clark, Executive Director
Giles County Farm Bureau
Giles County Historical Society
Glade Hill Farm LLC
Glennlyn Farms LLC
Glenn A. and Carolyn U. Branscom
Global Partisan, Inc.
Goldsboro Milling Company
James Louis Maxwell, III
Jim Maxwell
Greater Bluefield Chamber of Commerce
Marc Meachum, Jr., President and CEO
Greater Greenbrier Chamber of Commerce
Amber McHale, Executive Director
John Woodrum, Mineral Resources Manager

Green Valley Coal Company
Freal Mize
Kenneth Hollandsworth
Greenbrier Development, LLC
Lowie Lilly
Greenbrier River Trial Association
Leslee McCarty, President
Greenbrier River Watershed Association
Elise Keaton, Outreach and Education Coordinator
John Walkupp III, President
Greene County Department of Economic Development
Robbie Matesic, Executive Director
Greene County Industrial Developments, Inc.
Greene Tech II, LP
Harrison County Chamber of Commerce
Kathy Wagner, Executive Director
Heartwood Forestland Fund III, Limited Partnership, a North Carolina Limited Partnership
Heartwood Forestland Fund IV
Heartwood Forestland Fund VII, Limited Partnership
Heartwood Forestland Group IV
Heatherwood Properties, Inc
Glenn C. Frith
High Mountain Timber, LLC
High Top Properties LLC
David Upton
Hilary Heights Ltd.
Beth Arnold Taylor, President
Hill Top Investments
Billy Boone
Hollow Hill Farm
Nancy Mulheren
Holt Properties, LLC
John M. and Elissa H. Holt
HRW Properties LLC
HS Tejas, Ltd.
Hurd IIP LLC
James Hurd
I-79 Development Council
Deana Keener, Director
Indian Creek Watershed Association
Judy Azulay
J and J Energy, Inc,. a Virginia corporation
Wes Richardson, Vice President
J and M Grants, Inc.
J.C. Baker and Sons, Inc.
James C. Justice Co., Inc. Bellwood Corporation
Janum Management, LLC
John Skidmore Dev., Inc.
Lake Anna Investments LC
Lake Floyd Club Inc.
Amy Gay
Land Trust of Virginia
John Magistro, Acting Executive Director and Director of Conservation Programs
Lands Apart, LLC
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LaPaix Herb Farm
Myra Bonhage-Hale, Owner
Laurel Creek Hardwoods Inc.
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League of Women Voters of Montgomery County
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League of Women Voters of Virginia
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Lewis County Chamber
Sherry Lambert, Executive Director
Lewis County Economic Development Authority
Mike Herron, Director

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Jon Passic, Virginia Operations Manager
Liberi, LLC
Lick Creek Valley Farm
Reinhard Bouman, Owner
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Longview Holsteins Inc.
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Meadwestvaco Corporation
Media General Operations, Inc.
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Mid-Ohio Valley Chamber of Commerce
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Mon Valley Regional Chamber of Commerce
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Monongahela Railway Company, C/O CNX Land
Monroe County Historic Landmarks Commission
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Mark Taylor et al
Monte Vista Brethren Church
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Mountain Branch Farm
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Mountain Creek Land Co., LLC
Mountain Lair LLC
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Terry Bronson, President
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Mule Tracts, LLC
MWV Community Development and Land Management, LLC, c/o Plum Creek Timber
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George Santucci, Executive Director
National Federation of Independent Businesses - Virginia Chapter
Nicole Riley, Virginia State Director
National Parks Conservation Association
Pamela E. Goddard, Senior Manager

National Parks Conservation Association, Mid-Atlantic Region
Joy M. Oakes, Senior Director
National Trust for Historic Preservation
David Brown, Executive Vice President and Chief Preservation Officer
National Wildlife Federation
Collin O'Mara, President and CEO
Natural Biodiversity
Natural Resource Partners
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Natural Resources Defense Council
Sharon Buccino, Director, Land and Wildlife Program
New Martinsville Chamber of Commerce
Don Riggenbach, President, Chamber of Commerce
New River Community College
Jack Lewis, President
New River Economic Development Alliance
Eric Bopp, Executive Director
New River Gorge Development Authority
Chad Wykle, Director
New River Land Trust
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Newport Community Action Committee
Newport Development Company, LLC
Jerry J. Deplazes
Norfolk and Western Railroad
Norfolk Southern Corp. Pennsylvania Lines, LLC
North Central Regional Office, DEP
Jamon Goodrich
Novelty Land Holdings LLC
Oakgrove Christian Church
Occanneechi, Inc
Offutt Investments Limited Partnership 1
Ohio River Basin Commission
Larry Feazell, c/o University of Kentucky
Ohio Valley Environmental Coalition
Dianne Bady
Orion Power Midwest, LP Property Tax Dept
Owen Anderson, LLC
P and D Holdings, Inc.
Paco Land, Inc.
PAP, Inc.
Pardee and Curtin Realty, LLC
Dee Curtin, c/o Pardee Minerals LLC
Partners in Flight
Sergio Harding, Virginia State Coordinator
Pascarosa
Hunter Vaughn Randolph
Peerless Minerals, LLC
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Penhook UM Church
PennEnvironment
Pennsylvania Association of Conservation Districts, Inc.
Pennsylvania Council of Trout Unlimited
Pennsylvania Environmental Defense Foundation (PEDF)
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Pennsylvania Land Trust Association
Pennsylvania Lines, LLC, Norfolk Southern Railway Co.
Pennsylvania Organization for Watersheds and Rivers
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Pennsylvania State Association of Township Supervisors
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Pittsylvania County Farm Bureau
Jay Calhoun, President
Pittsylvania Historical Society
William Black, President
Plum Creek Timberlands III, LLC

Plum Creek Timberlands, LP
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Polino Enterprises, Inc.
Potts Creek Ranch LLC
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Preservation Virginia
Elizabeth Kostelny, Executive Director
Preserve Craig Inc.
Sam Easterling
Princeton-Mercer County Chamber of Commerce
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Quince Farm LLC
RaGln Koger Farm
Raymond and Virginia Koger
Rainelle Community Development Corporation
Reese Family Ltd. Partnership
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Richwood Area Chamber of Commerce
Pat McKenzie
Roanoke Appalachian Trail Club (RATC)
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Roanoke Blacksburg Technology Council
Jonathan Whitt, President and CEO
Roanoke Gas Company
John Dorazio, CEO
Roanoke Regional Chamber of Commerce
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Roanoke Regional Partnership
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Roanoke River Basin Association
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Roanoke Valley 4 Wheelers Assoc
c/o Beth Deaton
Roanoke Valley Cool Cities Coalition
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Roanoke Valley Resource Authority
Rockydale Quarries Corporation
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Salem-Roanoke Chamber of Commerce
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Sands Anderson
Reid Broughton, Counsel
Scenic Virginia
Leighton Powell, Executive Director
Second Star Farm
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Shavers Fork Coalition
Sierra Club, Pennsylvania Chapter
Sierra Club, Virginia Chapter
Glen Besa, Virginia State Director
Sierra Club, West Virginia Chapter
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Skidmore and Woodward Farm Development DBA Little General Store Inc.
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Smith Mountain Lake Chamber of Commerce
Vicki Gardner, Executive Director
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SMMM LC
Southern Country Farms, Inc.
Southern Environmental Law Center
Cale Jaffe, Virginia State Director
Sarah Francisco
Southern Region Industrial Realty Inc.
Southern Virginia Regional Alliance
Steve Bridges, Director of Economic Development
Southway Farm LLC

Southwestern Pennsylvania Commission
Steve Craig, Chair
Southwestern Pennsylvania Water Authority
Tim Faddis, Chairman
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Sperry Hardwoods, Inc.
Springdale, L.L.C.
St. Bernard's Church Parsonage and Cemetary
Steele Acres, LLC
Phillip Steele
Straus Troy Co. LPA
Matthew Fellerhoff
Sullivan's Haven
Sterling Sullivan, c/o Bryan L. Junkins
Summersville Area Chamber of Commerce
Mary Spencer
Sun Lumber Company
Bill Lake
Sunrise Pipeline, LLC
Sunshine Valley School Inc.
Sustainable Living for West Virginia
Denise Poole
Sustainable Pittsburgh
Sweet Springs Water Company
T. C. Lands Inc.
Talbott Family Limited Partnership, Oak Lawn Farm LLC
Tall Timber, Inc.
Joseph R. Smith
Tall Trees and Land, Inc.
TAS Greenbrier Properties, LLC
Tetra Tech
John Scott
Nathalie Schils
Sean Sparks
Texas Eastern Transmission, Corp.
The Conservation Fund
Lawrence A. Selzer, President and CEO
The Development Authority of Mercer County / Mercer County Economic Development Authority
Janet Bailey
The Huntington National Bank
Debra Ann Moore Trust
The Mitchell Law Firm
Jeff Mitchell, President
The Nature Conservancy
Sam Lindblom, Land Management Director
The Nature Conservancy, Pennsylvania Chapter
The Nature Conservancy, Southwest Pennsylvania Office
The Nature Conservancy, Virginia
Michael Lipford, Virginia Executive Director
The Nature Conservancy, West Virginia
Rodney Bartgis, State Director for West Virginia
The Nazarene Church Bunola Pennsylvania
The Wilderness Society
Jamie Williams, President
Neil Shader, Oil and Gas
The WMS WV Minerals Trust
Jesse Frank Williams, IV, Trustee
Thomas Ltd.
Joe Thomas
Three Rivers Avian Center
Wendy Perrone
Timberlands III, LLC
Plum Creek-Attn Prop Tax
Transcontinental Gas Pipeline Corporation
Triangle Sportsman Club, LLC
Wayne Blevins, President
Trout Unlimited
Katy Dunlap
Trout Unlimited, Chestnut Ridge (#670)
Dale Kotowski
Trout Unlimited, New River Valley Chapter (#207)
Jason Williams, President
Trout Unlimited, Roanoke Valley Chapter (#308)
Richard Weiss, Secretary
Trout Unlimited, Virginia Council / Virginia Council of Trout Unlimited
Graham Simmerman, President
Trout Unlimited, West Virginia Council
Lee Orr, President

Trust for Public Land
Jeff Danter, Senior Vice President, Atlantic Seabord Division Director
Trustees of the Wallace Church of Christ
Twilight Hills, Inc.
Dale Bowman
Union Exempt Property and Pitts and WV Railway Co. Property
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Katie Frazier, President
Virginia Center for Coal and Energy Research
Michael Karmis, Director
Virginia Chapter of the American Fisheries Society
Eric Hallerman, President VCAFS
Virginia Clean Cities
Alleyn Harned, Executive Director
Virginia Conservation Network
Jacob Powell, Executive Director
Virginia Farm Bureau Federation
Martha Moore, VP, Government Relations
Virginia Forest Products Association
Susan Seward, Director, Government Relations
Virginia Forestry Association
Paul Howe, Executive Director
Virginia Lakes and Watersheds Alliance
Andrew Gould, President
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Riley W. and Joanne S. Furrow, VA
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Rita Klein, Ph.D., VA
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Robbie Cline, VA
Robert Alan Pegram, VA
Robert Cannaday, VA
Robert Crawford, VA
Robert E. and Nina L. LE Robert, VA
Robert E. Blue III and Penny Edwards, VA
Robert Edward and Patsy W. Nuckols, VA

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Robert G. Ikenberry, VA
Robert Guiles, VA
Robert H. Smith, VA
Robert J. and Emily M. Hart, VA
Robert K. and Judy S. Prettyman, VA
Robert K. Mills, Alice K. Mills Revocable Trust, Trustee, VA
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Robert L. Cannaday, et.ux., VA
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Robert M. Blankenship, VA
Robert M. Jones, VA
Robert Mills, VA
Robert Moore, VA
Robert O. Miller, VA
Robert Toney, c/o Ruth Edwards, VA
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Robert W. and Mary K. Butterworth, et.al., VA
Robert W. and Rosemary Williams, VA
Robert W. Rummel, VA
Robert W. Shanaberger, VA
Robert W. Williams, VA
Robert Wesley Ross, et.ux., VA
Roberta Dianne Toney, VA
Robin Weekes, VA
Roby B. Sr. and Geraldine F. Kestner, et.al., VA
Robyn Stowers Vaden, VA
Robyn Stowers, et.al., VA
Robyn Vaden, VA
Rodney Croy, VA
Rodney K. and Beth L. Shaver, VA
Rodney M. Melton, VA
Rodney O. Kestner, VA
Roger C. Englehart, VA
Roger E. and Betty M. Smith, VA
Roger Flora, VA
Roger L. Sr. and Beverly S. Hilton, VA
Roger M. Powell and Vicki S. Powell, VA
Roger McBride, VA
Roger P. Jefferson, VA
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Ronald B. Edwards, VA
Ronald C. Evans, VA
Ronald Carroll, VA
Ronald E. and Margaret W. Sink, VA
Ronald L. Perkins, VA
Ronald Poindexter, VA
Ronald Roby, VA
Ronald S. and Gail B. Willard, VA
Rondal R. and Joann Roby, VA
Ronie Gene Hooker, VA
Ronnie Brian Harden, VA
Ronnie Douglas and Dianne Altice, VA
Rose M. and Christopher Ernest Hale, VA
Rosemarie Marshall, Marshall Living Trust, Trustee, VA
Rosemary Blieszner, VA
Rosemary P. Cole, VA
Rowlia Clio, VA
Roy H. Dunford, LE, VA
Roy H. Witcher, VA
Roy S. and Lois A. Quesenberry, VA
Ruby Allen Howard, VA
Ruby Hodges Grubb, c/o Ruby H. Marshall, POA, VA
Ruby Penn, VA
Russell Edward Altice, VA
Russell O. and Paula W. Amrhein, VA
Russell William and Sandra Hodges, VA
Ruth B. Flora, VA
Ruth Foley, VA
Ruth Smith Pritchard, Estate of Mary S. Randolph-Hetzel, VA
Ruth Waalkes, VA
Ruth Zimmer Hendrick, VA
Ryan Millard, VA
Ryley Harris, VA
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Sally J. Good, VA
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Samuel D. and Eric G. Goff, VA
Samuel D. East and Paul Bennet East, Jr., VA
Samuel Hale and Mary S. Reynolds, VA
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Sandra Jane Reynolds, VA
Sandra Powell, VA
Sarah Matthews White, VA
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Scott Ramsburg, VA
Scott T. and Heather M. Huxtable, VA
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Serina Garst, VA
Shana Williams, VA
Shannon Morgan, VA
Sharon and Jeffrey Parker, VA
Sharon E. Lambert, VA
Sharon Smith, VA
Shawn and Molly B. Hash, VA
Shawn L. Williams, VA
Shawn M. and Tracy L. Taylor, VA
Shea M. Coffey, VA
Sheila M. Meadows, VA
Shelby S. Dudley, VA
Shelia Ann Trollinger, VA
Shelly McIntyre, VA
Sherman Bradford, VA
Shirley Bowman and J. Clark Jamison, Jr., VA
Stedman A. Payne, Sr., VA
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Stephen B. Cole, VA
Stephen M. Goedeke, VA
Stephen W. and Anne W. Bernard, VA
Stephen W. Bartlett, Sr., VA
Steve R. and John E. and Anderson M. Jones, VA
Steven A. and Rachel A. Bowman, VA
Steven D. and Jacqueline Kessler, VA
Steven E. and Connie J. Nipper, VA
Steven L. and Maryann R. Cass, VA
Steven R. and Jennifer W. Garman, VA
Stuart Franklin Smith, VA
Stuart Wright, VA
Sue Crenshaw, VA
Susan E. Worrell, VA
Susan Edwards, VA
Susan Estes, VA
Susan Keith, VA
Susan Lindamood, VA
Susan Moses, VA
Susan Reed, VA
Susanna S. Lilly, VA
Suzanne W. Vance, Trustee, VA
Suzie Tornatore, VA
Sydney Gay, VA
T.L. Averill, VA
Tammy B. Knick, VA
Tammy L. Belinsky, VA
Tammy Sarver Horsley, VA
Tammy Southall, VA
Ted N. Georges, VA
Teresa Chen Shaw, VA
Terri Armao, VA
Terri Pearson Doss, VA
Terry L. and June R. Jones, VA
Terry Lee Ingram, VA
Terry Porterfield, VA
Terry R. Brookman, VA
Terry Wayne and Linda Wolfe, Trustees, VA
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Theodore Gordon Morris, VA
Thomas and Kathryn Stump, VA
Thomas C. Jr. and Dorothy Ramsey Cundiff, VA
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Thomas E. Lester, VA
Thomas H. Doss, et.ux., c/o Margo D. Richardson, VA
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Thomas J. Hall, et.al., VA
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Thomas O. White Jr., P. O. A. for Julia Mary Beverly White, VA
Thomas O. White, P. O. A. for Julia Mary Beverly White, VA
Thomas R. and Rebecca Ann Guthrie, VA

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Tom Mullinay, VA
Tommy Xuan Mai, VA
Tony A. Hilton, VA
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Tracy Lynn Gregory, VA
Tracy Wilson, VA
Travis Waller, VA
Trevia M. Jennings, et.al, c/o Clarence E. Mahaffey, VA
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Vernon V. Beacham, Sr., VA
Vicki Jean Plymale, VA
Vicki Meyer, VA
Vickie Lafon, VA
Vicky Robertson, VA
Victoria Fu, Vera Montgomery, VA
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Virgil Wyatt and Susan H. Wimmer, VA
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Virginia D. McWhorter, VA
Virginia Koger, VA
Virginia L. Carroll, VA
Virginia M. Savage, VA
Virginia S. Starkey, VA
Virginia Weisz, VA
Virginian Leader, VA
W. Eugene Seago, et.ux., VA
W. R. Embrey, VA
W.A. Lucas, c/o Helen Lucas Counts, VA
W.C. and Emily B. Guilliams, VA
Wallace Cox Shelhorse, Joan Rowles Shelhorse Trust, VA
Walter Hurt Shelton, Jr., VA
Walter L. and Betty W. Hodges, VA
Walter Lucas, VA
Warren A. Dillon, Dillon Living Trust, VA
Warren S. Neily, Jr., c/o Judith T. Neily, VA
Wayne Croy, VA
Wayne D. Moore, VA
Wayne E. and Gayl S. Nifong, VA
Wayne J. and Margie Shively Bowling, VA
Wayne J. Page, Jr., et.al., VA
Wayne Lafon, Lafon Living Trust, Trustee, VA
Wayne M. and Rebecca F. Hewitt, VA
Wayne R. and Laverne S. Worley, VA
Wayne Winston Jr. and Amy B. Davis, VA
Wendell Wray Flora, VA
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William M. Riddle, VA
William Marstin, VA
William Miller, VA
William O. Huffman, et.al., VA
William O. Valdez, VA
William Osborn, VA

William Perry Crosier, II, William P. Crosier Trust, VA
William Polley, VA
William Ralph Cumbee, VA
William Robert Lee and Tammy Barnett Craft, III, VA
William S. and Angela Corn, VA
William T. and Jessica R. Gardner, VA
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Willie E. Redd, Jr., VA
Wingo Living Trust, c/o Donald L Wing, VA
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Wistie Jobe, VA
Woody Ray Smith, VA
Yvonne Droms, VA
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John D. Whittle, III et.al, c/o Sandra Jeffcoat, WA
Matthew Rollier, Estate of Martha C. Jones, Co-Executor, WA
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Aaron P. and Shelly D. Brady, WV
Abigail Page, WV
Abraham L. Neal, WV
Adam L. Matheny, WV
Aidan Sullivan, WV
Alaina C. Howes, WV
Alan J. Stevens, et.al., WV
Alana Preston, WV
Albert D. a/k/a Dale Singleton, WV
Albert Frank Shanta Jr., WV
Alexis A. Tracy, D.O., WV
Alfred Lake and Amy Carol Wykle, WV
Alfred Lee Rockhold, Ralph Russell and Russell James Rockhold, WV
Alice Ann Holland, WV
Alice Beacher, WV
Alice Bradley, WV
Alice J. Moore, c/o James Gifford, WV
Alice Jane Moore, WV
Alice Knight, WV
Alice M. and John J. King, WV
Alice M. Proper, WV
Alice S. Nalker, WV
Allan Walter Lehr, WV
Allyson L. Carr, WV
Alma D. Carpenter, WV
Alta Jill Smith, WV
Amanda G. Crawford, WV
Amanda Sandell, WV
Amber Wallace, WV
Amy Cole South, WV
Andrea H. Smart, WV
Andrea Izzo, WV
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Andrew H. Gwinn, WV
Andrew, Jacob, and Shelly Martin, WV
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Annabeth J. Riffle, WV
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Anne H. Gardner, WV
Anne M. Brown, WV
Annie Davis, WV
Anthony D. Richmond, WV
Anthony E. Feathers, WV
Anthony M. Carter, et.ux., WV
Anthony Mietus, WV
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Arna A. Neel, WV
Arnold E. McMillion, WV
Arnold McMilliam, WV
Arron Seams, WV
Arthur and Patricia Weese, WV
Arthur C. and Judy D. Roberts, WV
Arthur D. Williams, WV
Arthur George Weaver, WV
Aruthur L. Anderson Living Trust, WV
Ashofteh Bouman, WV
Autumn Dunbar, WV
Autumn Long, WV
B. V. White, WV

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Barbara B. Highland Estate, c/o Mark Kuntz, Executor and Sarah H. Fernandez, Executrix, WV
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Barbara E. Rasmussen, Ph.D., WV
Barbara Jean Martin Duncan, et.al., WV
Barbara June DePriest, WV
Barbara L. Yoder, WV
Barbara Laws, WV
Barbara Losch Nickell, WV
Barbara Michaelson, WV
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Barry C. Yates, WV
Basil and Tracy Thompson, WV
Ben Sullivan, WV
Bernard Chestnut, WV
Bernard Hurst, WV
Bernard Mathes, WV
Bernard R. Elliott, WV
Bernard Sachs, WV
Bernell and Louise Morris, WV
Bertha Marie Mollohan, WV
Beth Covington and Mike Martin, WV
Beth Mollohan, WV
Beth White, WV
Betsy Rawlins Myers, WV
Betsy Reeder, WV
Betty Jane Dransfield, WV
Betty Jo Smith, WV
Betty L. Smith, WV
Betty Shumate, WV
Betty Sue Williams, et.al., WV
Betty Thomas, WV
Beverly Perrine Shelton, WV
Beverly S. Davis, WV
Beverly Sue Meadows, WV
Beverly Traino, WV
Bien Sabio, WV
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Bill Johnson, WV
Bill Whipple, WV
Billie Wickline, WV
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Boyd Cutright, Charles Martin, WV
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Brenda Westfall, et.al., WV
Brian and Beth Armstrong, WV
Brian and Helen Van Nostrand, WV
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Brian Kaluk, WV
Brian Kirk, WV
Brian Lawrence, WV
Brian Van Nostrand, WV
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Carol Snider, WV
Carol Vais, WV
Carolanne Hall, WV
Carole Magnuson, WV
Caroline Klezli, WV
Caroline Smith, WV
Carolyn Nutter, WV
Carolyn Rudley, WV
Carolyn S. Walls, WV
Carolyn Sue Browning, WV
Carolyn W. Buckland, WV
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Carrie J. Porterfield, WV
Carrington D. Richmond (deceased), WV
Carroll W. and Mary Lou Thompson, Trustees, WV
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Cathy Sizemore Helms, WV
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Charles Leroy Burdine, et.al., WV
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Charles Rogers Lester, Roger Carles Lester, WV
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Charles Stevens, WV
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Clarence O. Helmick, c/o Robert Helmick, WV
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Cleo Matthews, WV
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Clyde Westfall, WV
Colter Lewis, WV
Connie Harper, WV
Connie Prandergest, WV
Conrad A. and Cheryl S. Boggs, WV
Constantine Chlepas, WV
Cookie Cole, WV
Cora Lea Nutter, c/o Larry Nutter, WV
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Craig Mohler, WV
Crystal Flanagan, WV

Crystal Foster, WV
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Cynthia Amick, WV
Cynthia M. Bostick, n/k/a Cynthia M. Roberts, WV
Cynthia Morris, WV
D. Craig Chapman, and Todd A. Dean, WV
D. Lane McMillion, WV
Dale C. and Glenda A. Hedrick, WV
Dale McCutcheon, WV
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Dana Wilson, WV
Dane S. Wood, WV
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Daniel Gene White, WV
Daniel K. and Rachel E. Tucker, WV
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Danny Byrl Law, WV
Danny Martin, WV
Darlene Fife, WV
Darrel and Timmy Holmes, WV
Darris and Nuetulia Huffman, WV
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David A. Davis, WV
David A. Smith, WV
David and Bonnie Jones, WV
David B. Sprenkle Living Trust, WV
David B. Taylor, WV
David Bissell, WV
David Bosely, WV
David Bowyer, WV
David Buhrman, WV
David E. Shamburg, WV
David Foster, WV
David Hawkes, WV
David Holz, WV
David L. and Dorothy J. Cochran, WV
David L. Nalker, WV
David Lane Orlena Robinson Life Estate, WV
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David Nicholson, WV
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David R. and Theresa Jane Beckett, WV
David R. Atwell, J. Maurice Payne Estate, WV
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David Robinson, John M. Shaffer, and James R. Stutler, WV
David Zacher, WV
Dawn Ann Lozina, WV
Dayton W. and Doris J. Williams, WV
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Deborah Corlis, WV
Deborah J. Noeter, WV
Deborah Long, WV
Debra L. Wooten, WV
Debra Lee Boone, WV
Debra Ross, WV
Delbert G. Crabtree, WV
Della Mae Clay, c/o Carolyn Schroeder, WV
Delmar and Deborah Lafferty, WV
Delsie L. Swearingen, WV
Dennis and Beverly Stevens, WV
Dennis and Melinda Garrett Bailey, Bruce Hall Garrett and John Thomas Garrett, WV
Dennis L. Lilly, WV
Dennis Stottlemyer, WV
Denver R. Whitaker, WV
Devin Preston, WV
Dewey Elwood Parker, et.ux., WV
Diana Price, WV
Diana Wimer, WV
Diane L., Amy Lynn, and, John David Calendine, WV
Diane Skellie, WV
Dianne L. Broussard, WV
Dickie Mann, WV
Dillon Edgell, WV
Dinah D. Hannah, The Estate of Zola Lucille Devericks, Executrix, WV
Dolly Hundley, WV
Don T. Rigby, Executive Director, Regional Economic Development, WV
Donald and Carole Kniceley, WV
Donald and Sylvia Brooks, Frank Bleigh, Betty Thomas, WV

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Donald I. Brown, WV
Donald J. Hansen, WV
Donald L. and Sandra J. Cutler, WV
Donald L. Ferguson, WV
Donald Paul McCollom, Butterfly Evolution Trust, WV
Donald R. and Mary Ann Milam, WV
Donald R. Lough, WV
Donald Thayer, WV
Donato Petilto, WV
Donna Devericks-Snider, WV
Donna Elaine and Glenna Mae Daniels, WV
Donna Elaine Daniels, WV
Donna Huffman, WV
Donna J. Brown, WV
Donna L. and David K. Overton, WV
Donna M. Huffman, WV
Donna Panucci, WV
Donnie A. Workman, WV
Doris McCurdy, WV
Douglas A. and Catherine S. Mazer, WV
Douglas Joe and Jim Rex Smith, WV
Douglas N. and Debbie F. Tinnel, WV
Doyle L. and JoAnn E. Coakley, WV
Dr. A. M. Ziegler, WV
Drew Daniels, WV
Dwight Huffman, WV
E.L. Emrich, WV
Earl and Patricia Williams, WV
Earl Richards, et.al., WV
Earnest James, WV
Eddie Deltzler, WV
Eddie L. Hampton, WV
Edgar Morris and Edna Gay Meadows, et.al., WV
Edith Stewart, WV
Edward E., Fredric L., and John D. Wooten, WV
Edward Earl and J.R. Garrett, Heirs of Delphia Garrett, WV
Edward Judy, WV
Edward L. Harvey, WV
Edward Lee Carter, WV
Edward Lockwood, WV
Edward Sinda Barr, et.al., WV
Edward Stanford, WV
Edward Titus, Shirley Titus Estate, WV
Edward W. and Joann Ashcraft, WV
Edward W. Breit, WV
Edwin M. Waltz, WV
Edwin R. Jr. and Roberta M. Marple, WV
Eileen Hayhurst, WV
Elden W. and Geraldine S. Dotson, Gregory Wayne Dotson, WV
Elisabeth Tobey, WV
Elizabeth A. Krafft, c/o Mr. H. F. (Fred) Kraft, WV
Elizabeth A. Stewart a/k/a Elizabeth A. Wynes, WV
Elizabeth A. Wynes Stewart, WV
Elizabeth Catherine Losch, c/o Elizabeth K. O'Dell, WV
Elizabeth E. Reeder, WV
Elizabeth Hoffman, WV
Elizabeth Scott, WV
Elizabeth Tracy, WV
Ella Susan Houchins and Laura Bowen, WV
Elsie D. Metz, WV
Elva Jean and Homer H. Marple, Roger Michael Ware and Carol Lee Williams, c/o Vera J. Marple Dick, WV
Emma B. Laws, WV
Emory V. White, WV
Enzie L. Wyatt, WV
Eric L. Cochran, WV
Eric P. Thompson, WV
Eric William and James Brian Nicholas, Estate of Evelyn Teresa Nicholas, WV
Erin Hurst, WV
Erma B. Laws, WV
Erma Surbaugh, WV
Ernest D. and Martha Smith, WV
Ernest Lee Hickman, WV
Ernest M. Woods, WV
Ernie and Celia Hickman, WV
Ernst J. Wahl, WV
Erven Mathes, et.al., WV
Ervin E. Richmond, WV

Estate of Dennis Mann, WV
Estate of Edith Naomi Stewart, WV
Estate of John A. Wooldridge, and Simon J. Wooldridge, WV
Estate of Syble Ann Richmond, Dennis Wayne, Jesse James, and Sandra Richmond, WV
Estate of Woodrow Trent, Ottaway and Ernestine Trent, WV
Eugene Finster, WV
Eugene Franklin Finster, WV
Eugene Ray Tuckwiller, WV
Eva Hall, WV
Evelyn Jean Miller, WV
Evelyn Teresa Nicholas Estate, c/o Erin Nicholas, Executor, WV
Evelyn Teresa Nicholas Estate, c/o Erin Nicholas, Executor, WV
Everett Fraley, WV
Everette P. Berkley, WV
Everette S. and Marietta Clendenen, WV
Felicia Pence, WV
Ford Perkins, c/o Rosetta Hiser, WV
Forest M. Mick, WV
Frances Slaughter, c/o Richard Slaughter, WV
Francis C. and Twila M. Carpenter, WV
Francis D. Huffman and Lydia B. Huffman Family Living Trust, WV
Francis D. Huffman, Huffman Family Living Trust, WV
Francis L. and Annabeth Riffle, WV
Frank A. and Darletta Gulas, WV
Frank and Cynthia Goodrich, WV
Frank Bleigh, WV
Frank E. Wickline, WV
Frank H. Wills, WV
Fred A. Snyder, WV
Fred B. and Barbara O. Berry, WV
Fred E. and Alice D. Christian, WV
Fred Golden, WV
Fred Hartman, WV
Freda Armentrout, WV
Frederick B. Fuhrmaneck, WV
Fredie and Norma Jean Stevens, WV
Gail J. Peterfield, WV
Gail Moore, WV
Gail Rene Williams, WV
Garland E. Meadows and Clara Jeanette Meadows, Robert G. Walkup, WV
Garlin H. and Zelda E. Groves, WV
Garry and Anna Berg, WV
Gary and Sharon Casto, Averal Casto, WV
Gary Bosely, WV
Gary Eisenman, WV
Gary Finch, WV
Gary L. Robinson, WV
Gary Lee Fazenbaker, WV
Gary R. Bowden, WV
Gary W. Siers, et.al., WV
Gaye Keech, WV
Gene B. Fahey, WV
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Sabrina Okamura-Johnson, WV
Sam Barger, WV
Samantha Hazelwood, WV
Sammy H. Donaldson, WV
Samuel and Nancy Scott, WV
Samuel David Branscome, Matthew D. Young, WV
Samuel David Rose, WV
Samuel M. Jasper, WV
Samuel Scott, WV
Samuel West, et.al., WV
Sandra Barnes Tomaro, WV
Sandra Claypoole, WV
Sandra Keith, WV
Sandra L. Ancell, WV
Sandra McQuain, WV
Sandra Richmond, Estate of Syble Ann Richmond, Administratrix, WV
Sara L. Alm, WV
Sarah Clapham, WV
Sarah Mansheim, WV
Savannah Webb, WV
Scott Peirick, WV
Scott Womack, WV
Season Jones, WV
Shannon Murphy, WV
Sharon A. Davisson, WV
Sharon A. Stewart, WV
Sharon Cozad, WV
Sharon Ginsburg, WV
Sharon Wickline, WV
Shelia Ann Trollinger, WV
Sherry Darlene Bennett, WV
Sherry McLaughlin, WV
Shirley Bradley, WV
Shirley Bush Fulks, c/o Michael Fulks, WV
Shirley Crookshanks and Faye Bika Crookshanks, WV
Shirley Crookshanks and Faye Bika, WV
Shirley Hall, WV
Shirley Harmon, WV
Shirley Lee, WV
Shirley Ulaki, WV
Simeon M. Layfield, WV
Sinead Balnionis, WV
Sonja Lemons Gadd, WV
Stanley and Cheri Morris, WV
Stanley and Michelle Mathis, WV
Stanley James, WV
Stanley Morris, c/o Patricia Phillips, WV
Stanley Ricottilli, WV
Stephen and Melanie Miller, WV
Stephen and Rhonda Henline, WV
Stephen C. Broyles, et.al., WV
Stephen C. Keen, WV
Stephen J. and Joyce M. Driscoll, WV
Stephen L. Williams, WV
Stephen Medina, WV
Stephen R. Ellison, WV
Stephen R. Williams, WV
Stephen T. Gatto, WV
Stephen W. and Edward Lee Carter, WV
Stephen W. Carter, et.al., WV
Stephen W. White, WV

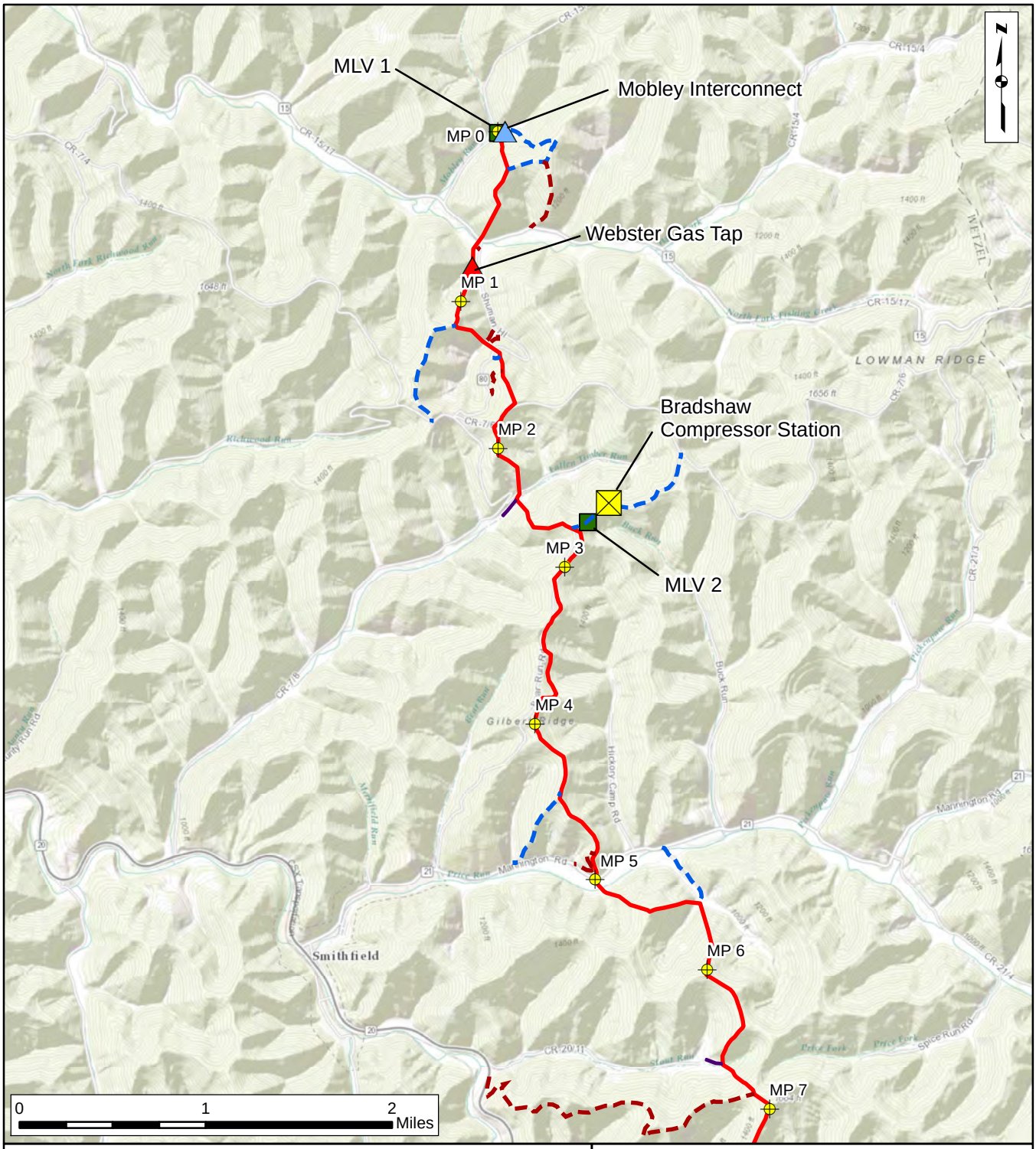
Stephen Warren Curtis, et.ux. and Danny and Paulette McKnight, WV
Stephen William All, WV
Stephonie Chapman, WV
Steve and Cathy Ballard, WV
Steve and Sabra Kovalscik, WV
Steve Atwill, WV
Steve C. Kovar, Jr., WV
Steve Thayer, WV
Steven and Andrew Jameson, et.al., WV
Steven and Lisa Jameson, WV
Steven and Melissa Shreves, WV
Steven and Pamela Koontz, WV
Steven C. and Elizabeth A. Holden, WV
Steven Hutchins, WV
Steven J. Runfola, WV
Steven R. Dawson, WV
Steven W. Price, WV
Steven W. Sendling, WV
Stevie R. Bragg, WV
Stuart Dameron, WV
Stuart W. Brown, WV
Stuart Wayne Brown, WV
Sue E. Hall, WV
Sue Thomas, WV
Susan Bouldin, WV
Susan Cobb, WV
Susan Cornish, WV
Susan G. Hayden, WV
Susan Jarvis, WV
Susan L. Butcher, WV
Susanna Robinson, WV
Suzanne Fry and Barbara Rea, WV
Suzanne Fry, WV
Suzanne Soucier, et.al., WV
Suzie Henritz, WV
Swan James, WV
Sylvia Hawkes, WV
Sylvia Lynn Bondurant, WV
T. Michael Hewitt, WV
Tammy Darlene and Rodney Wilson, WV
Ted L. and Shirley Marie Meadows, WV
Ted Meko, WV
Teddy Ray Bootit, WV
Teresa Bender, WV
Teresa Keeton Kelly, WV
Terry Allen Fazenbaker, WV
Terry L. Cunningham, WV
The Emmadale Strader Revocable Living Trust, WV
The Estate of Edith Naomi Stewart, WV
The Estate of Ernest L. and Blondena Floyd, WV
The Mark Czaja 2015 Revocable Trust, WV
The Thomas B. Mullooly Trust, c/o Lisa J. Chambers, Trustee, WV
Theodore Davis, WV
Thomas and Linda Harvey, WV
Thomas B. Bickel, WV
Thomas Barry et.al Norman, WV
Thomas C. Miller, WV
Thomas D. Keener, WV
Thomas Delbert Keener and Jeromy Boggess and Joyce Ann Darby Boggs, WV
Thomas E. Richmond, WV
Thomas Edgar, WV
Thomas Erwin, WV
Thomas G. and Brenda Nelson, WV
Thomas G. Cook, II, WV
Thomas G. Johnson, WV
Thomas Long, WV
Thomas M. Walker, WV
Thomas Page, WV
Thomas Reaser, WV
Thomas Riddle, WV
Thomas T. and Susan A. Bouldin, WV
Thomas Toney et.al., WV
Thornton Orndorff, WV
Thurman Christian, WV
Tillman Richard Gifford, WV
Tim Finster, Estate of Eugene Finster, WV
Tim Williams, WV
Timothy A. Tharp, WV
Timothy Gerald and Nancy Jo Hughes, WV
Timothy Grey Rose, WV
Timothy Joseph Krausman, WV
Timothy S. and Shannon L. Brammer, WV
Timothy W. Clendenin, WV

Timothy W. Lilly, WV
Timothy, Eric, and Jo Etta Groves, WV
Tina L. Coughlin, WV
Toby Garlitz, WV
Tom and Nancy Salvetti, WV
Tom Berlin, WV
Tom Laws, WV
Tommy A. Neal, WV
Tommy Steele, WV
Toni M. Pensule, WV
Travis W. Boggs and Jerry and Glenda Boggs, WV
Treman Roberts, WV
Trevor Hefner, WV
Tristina N. Hayhurst, WV
Troy A. George, WV
Trudy Laurenson, WV
Trust Fund B under the Last Will and Testament of Woodrow Trent, WV
Twila Kay and Gary Wilfong, et.al., WV
Valerie Perrine, WV
Vernessa Pontius, WV
Vernon Lloyd and Mary K. Helmick, WV
Vicki Fisher, WV
Vickie L. Carpenter, WV
Victor Bridges, WV
Victoria B. Cameron, WV
Vinson Ray Robinson, WV
Violet L. Daigneault, WV
Virginia and David Foss, WV
Virginia Carol Jarvis, WV
Virginia Catherine Cavezza, WV
Virginia D. McClung, WV
Virginia Lewis, WV
Vivian Fazenbaker Grinder, c/o Paul Fazenbaker, WV
W. Elton Dolan, WV
W. Ethan Hazelwood, WV
W. Wayne Jr. and Tammy S. Beckett, WV
Wade C. and Joe Neel, WV
Walter Buckland, WV
Walter H. Sebert, WV
Walter J. Seabolt, WV
Walter R. Furrow, Sr. et.ux., WV
Walter R. Furrow, WV
Walter Worthy, Jr., WV
Wanda Buchanan, WV
Wanda Longacre, et.al., WV
Warren Bee, WV
Wayne Dillon, WV
Wayne Gregoire, WV
Wilbur Lee Mann, c/o Bonnie Barberie, WV
Wilda Judy, WV
Will Hiner, WV
Willard Allen Groves, WV
William A. Ailstock, et.al., WV
William B. Jr. and Polly Ann Chamberlain, WV
William Blake, WV
William C. Dorsey, WV
William C. Swiger, WV
William Clark, WV
William D. Armstrong, WV
William D. Comer, WV
William Dwyer, WV
William E. and Edna Mohler, WV
William E. Butcher, Jr, WV
William E. Ross, WV
William E. Woods, WV
William G. Hash, WV
William G. Hazelwood, WV
William G. Lloyd, WV
William J. and Anita Zimmerman, WV
William J. and Cynthia H. Laws, WV
William J. and Dorothy J. Stemple, WV
William J. and Edna Jean Davis, WV
William J. Brown, WV
William J. Stemple, WV
William Johnson, WV
William L. and Bertha Virginia Bland, WV
William L. and Martha Sue Gum, WV
William Paul Jr. and Dorothy J. Fowler, WV
William Rebert, Kenneth W. Wood, WV
William S. Broyles, WV
William S. Grove, WV
William Suan, WV
William Townsend Bright, WV
Williams Coburn, WV
Willis and Shirley Hall, WV

Wilma Boggess, WV
Woodrow Estep, et.al and Randy L. Jr. and Kimberly Stone, WV
Yarrow H. Levine, WV
Zarina Mareneck, WV

APPENDIX B

Project Maps



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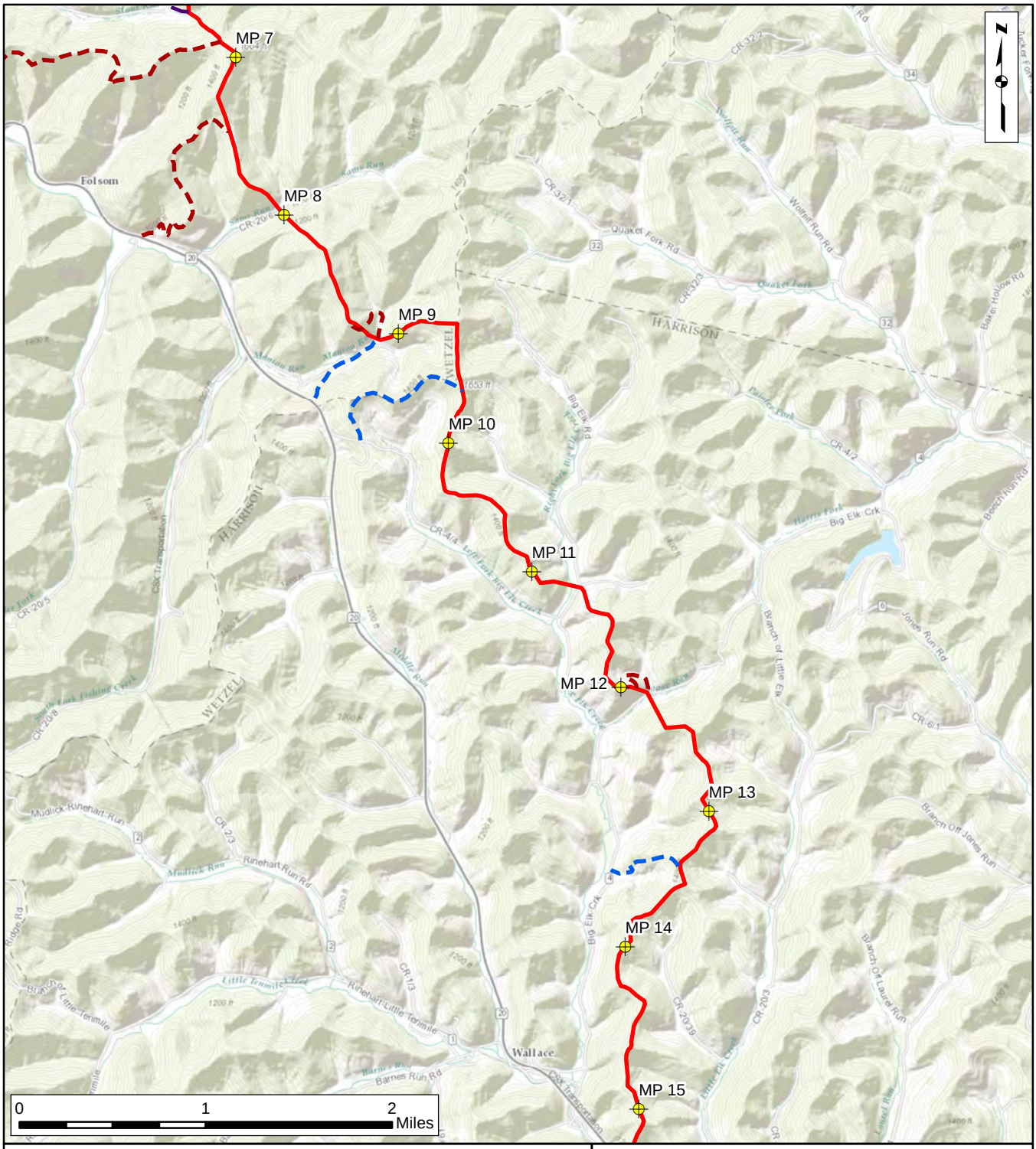

- Milepost
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- Proposed Compressor Station Location
- Cathodic Protection Groundbed
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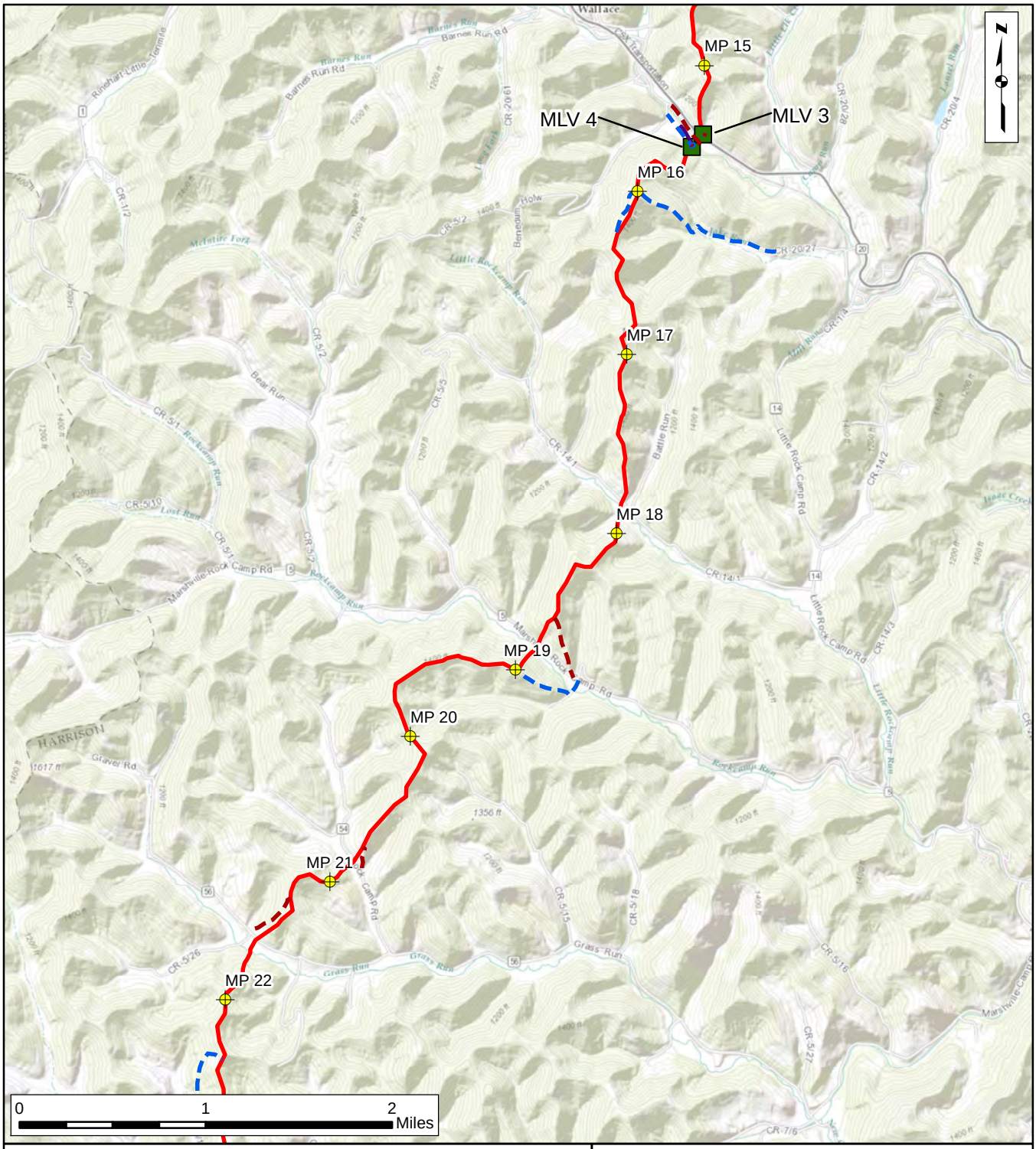
Project Overview Map



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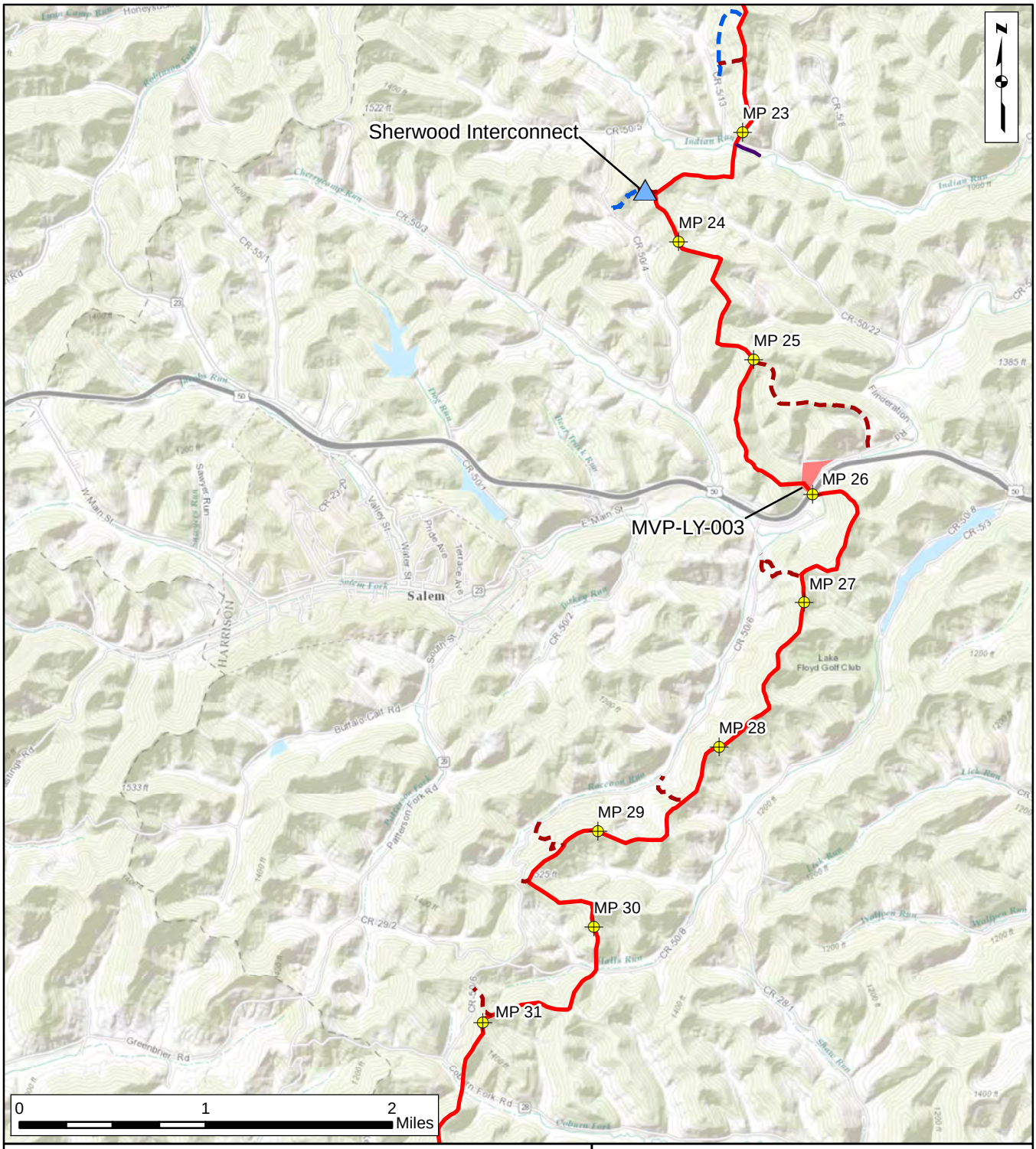

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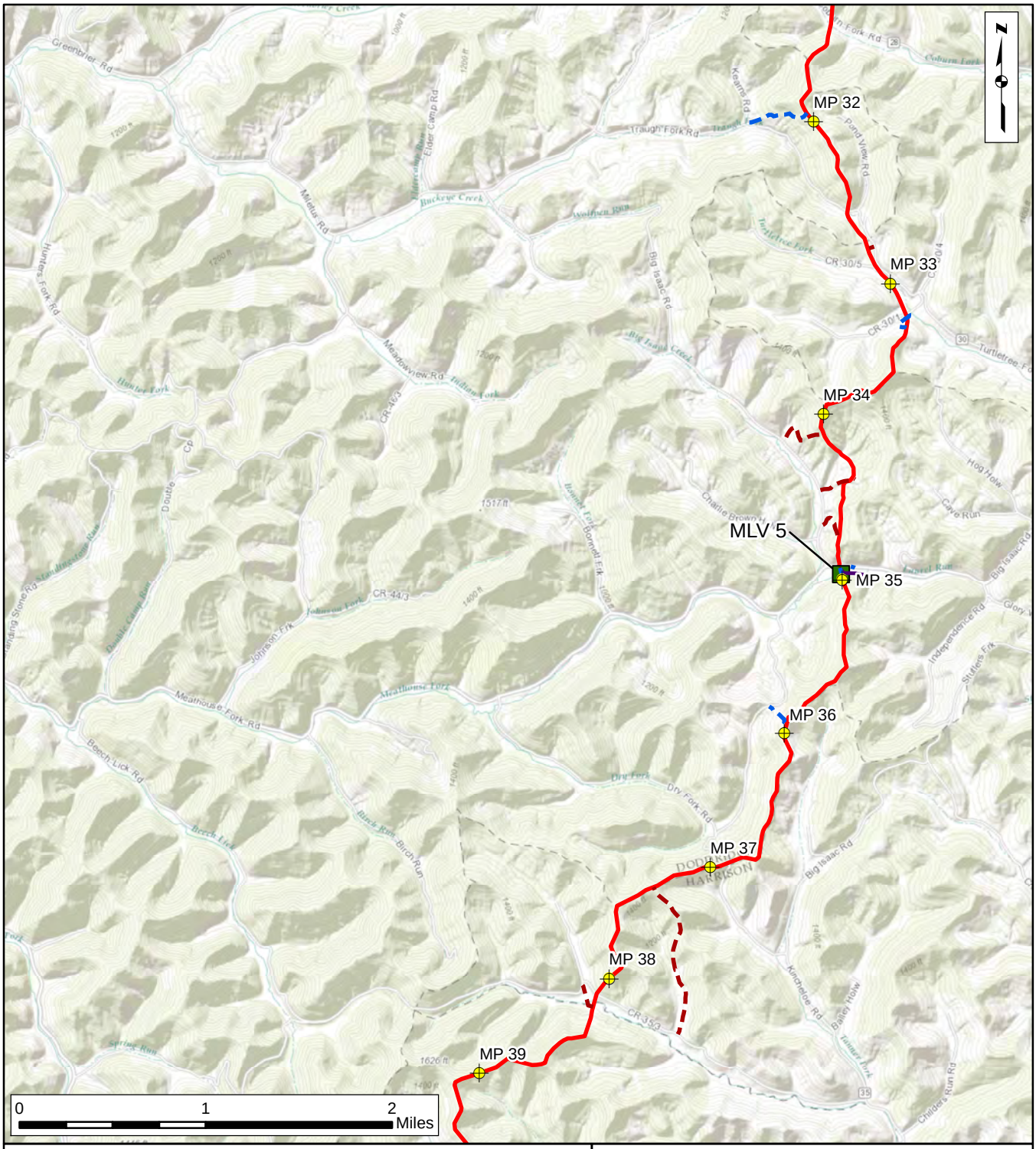

Milepost
Proposed Pipeline Route
Meter Station/Interconnect
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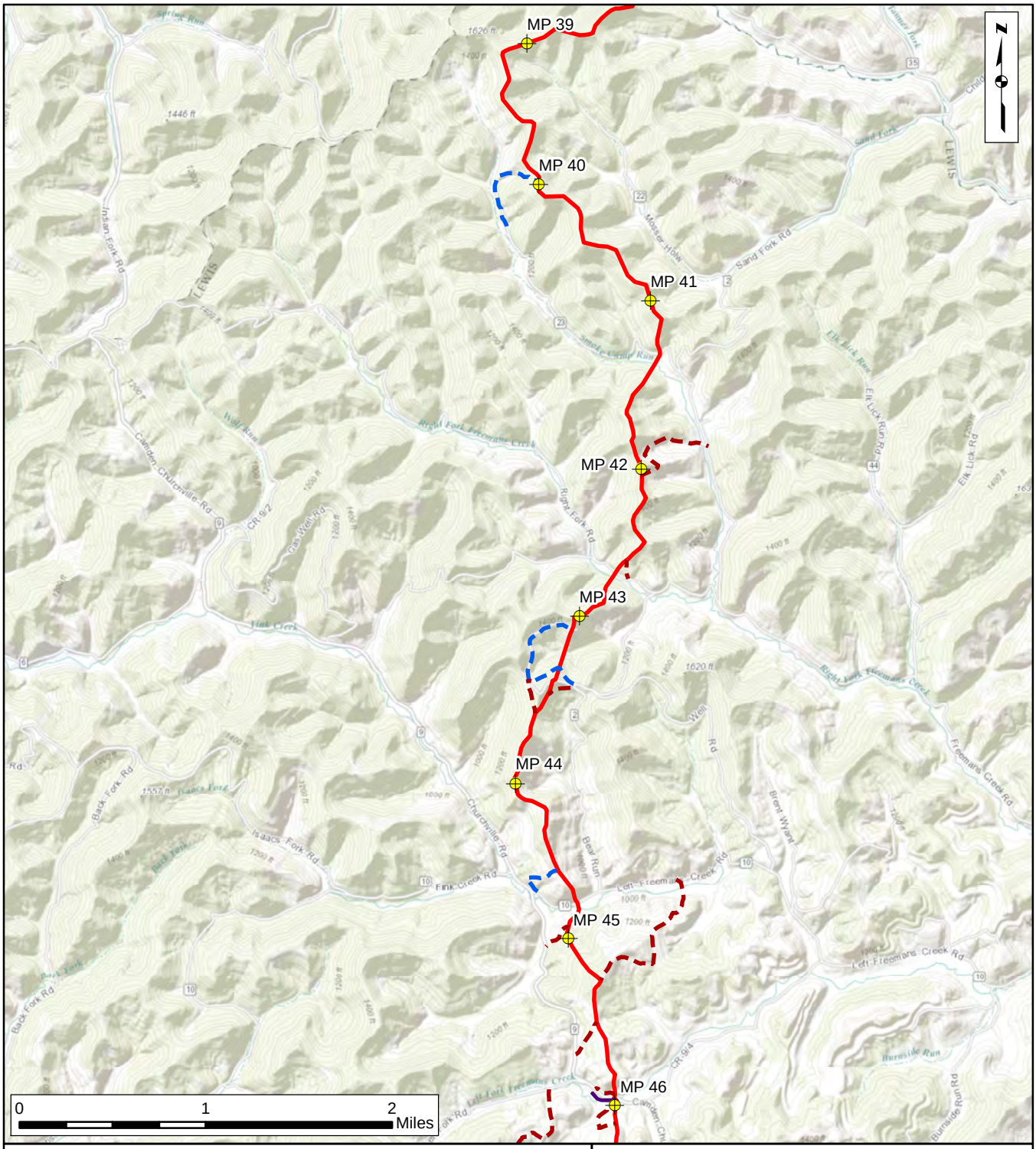

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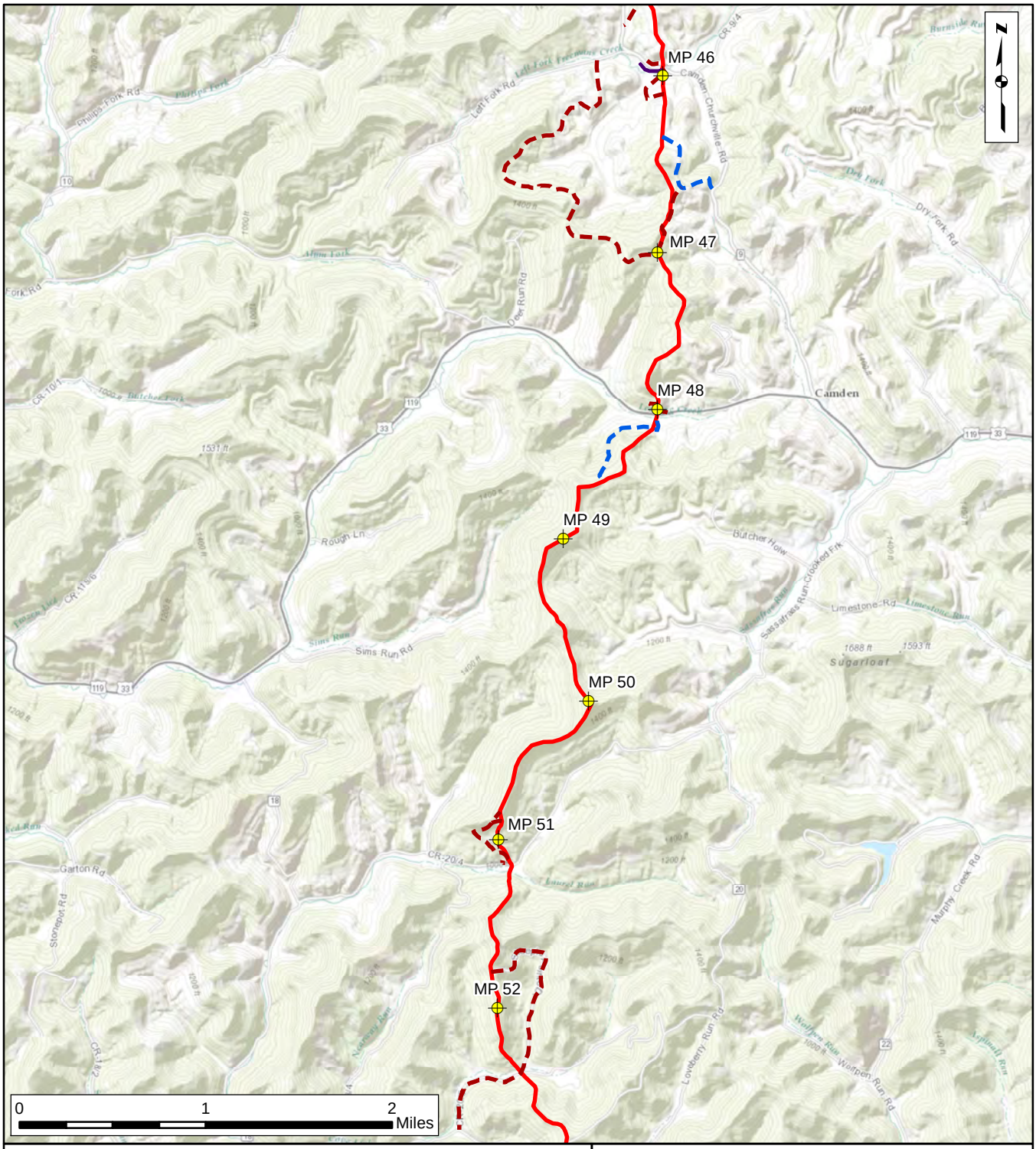

- Milepost
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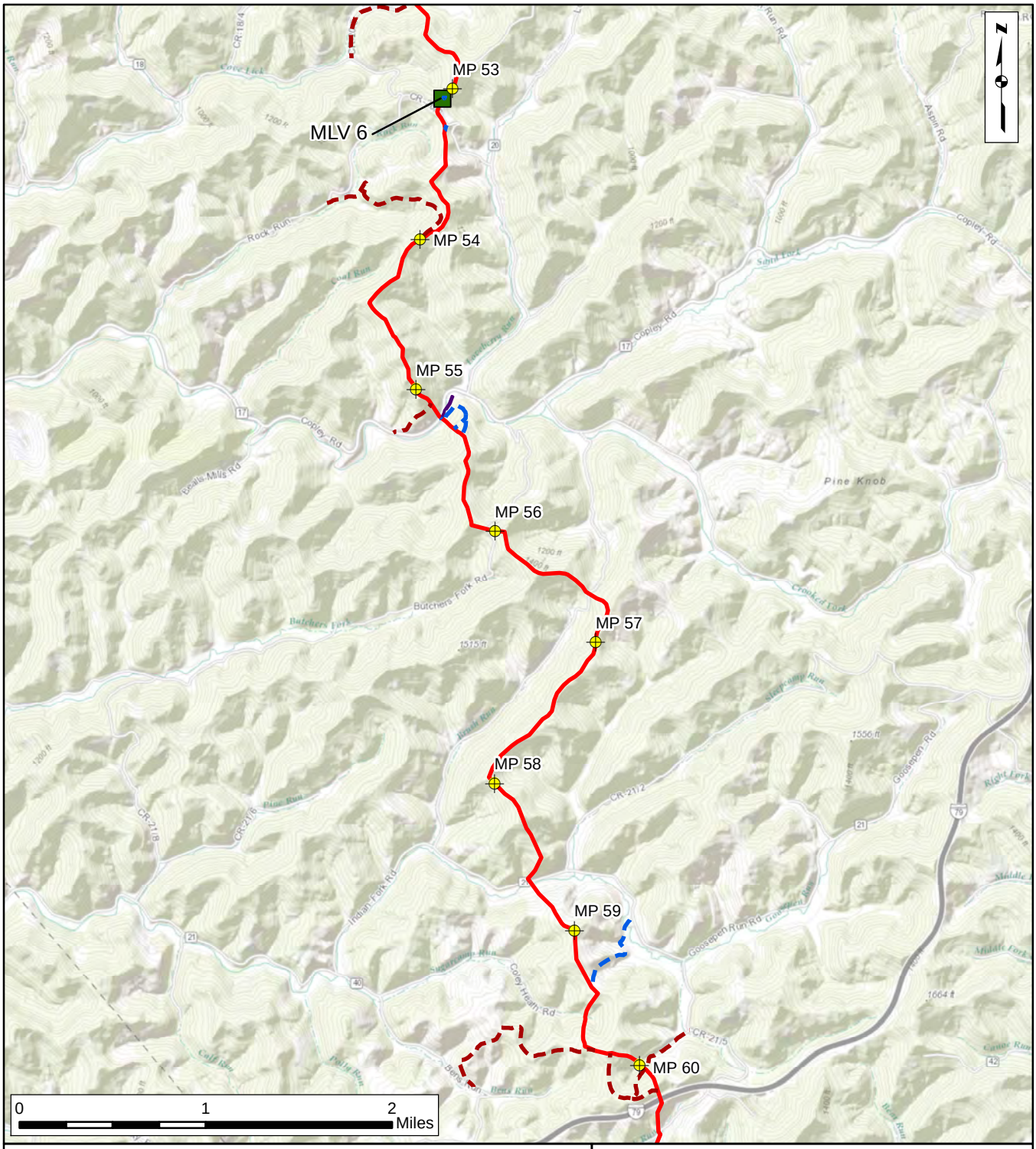

Milepost
Proposed Pipeline Route
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Proposed Compressor Station Location
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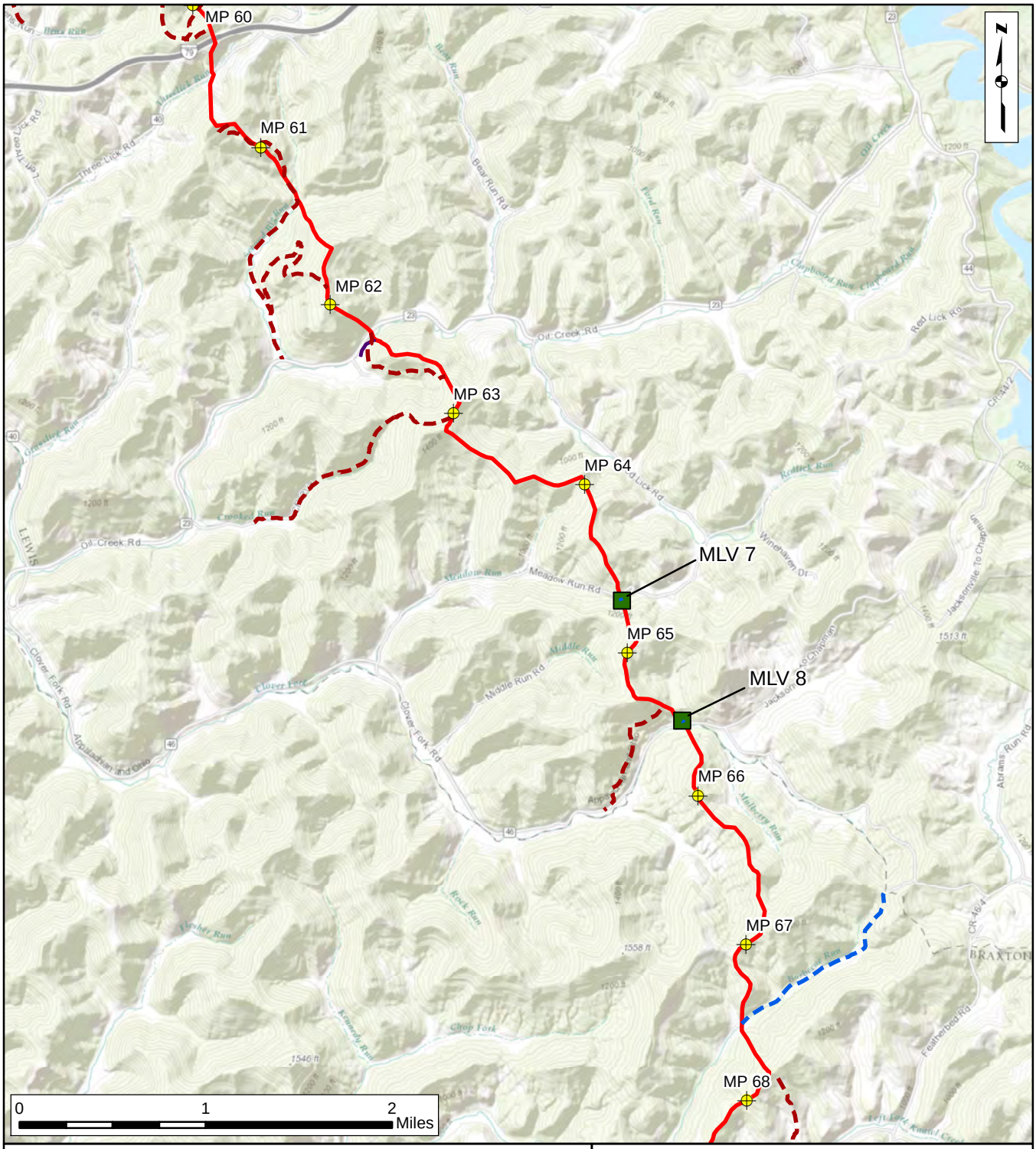

Milepost
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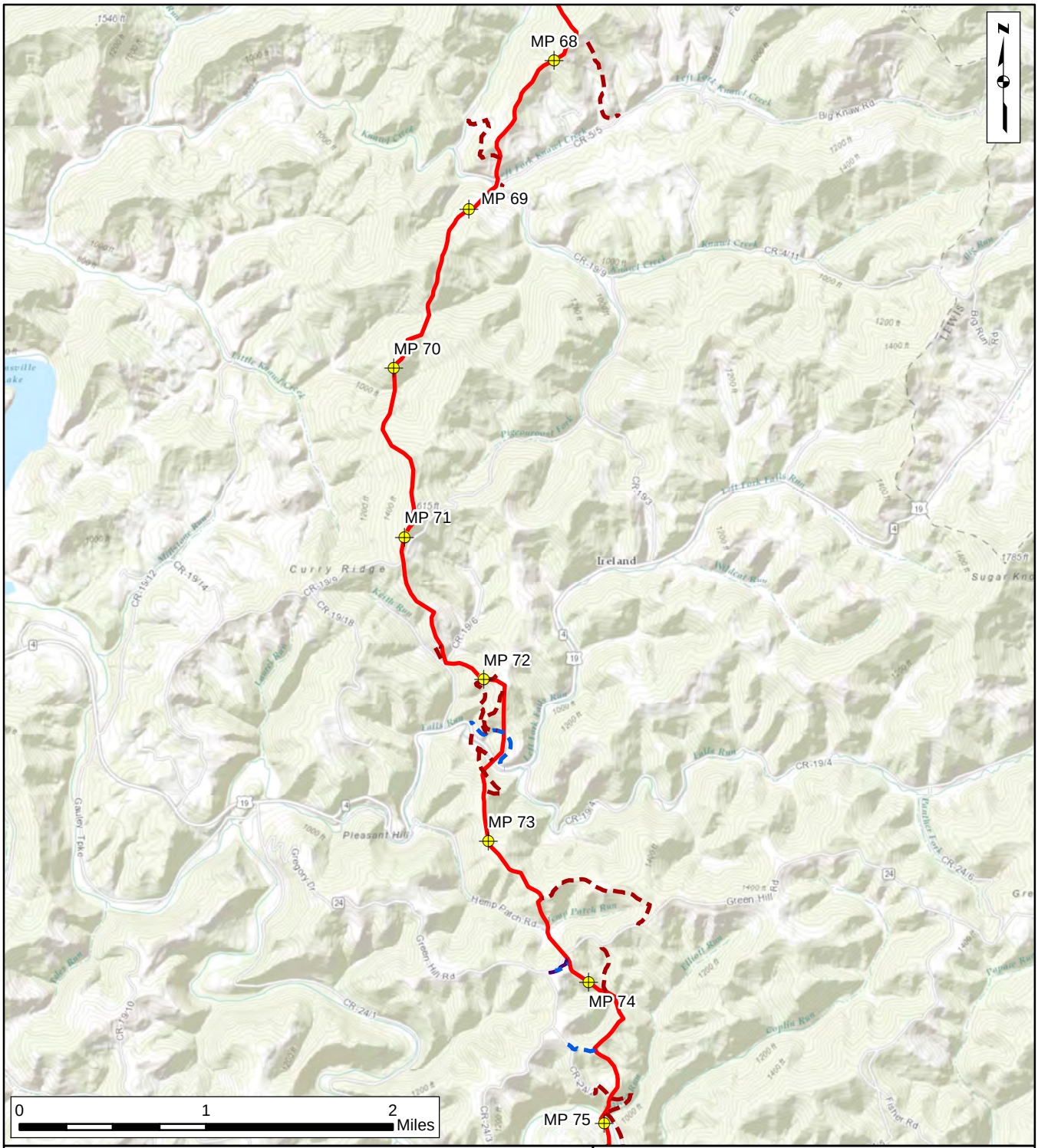

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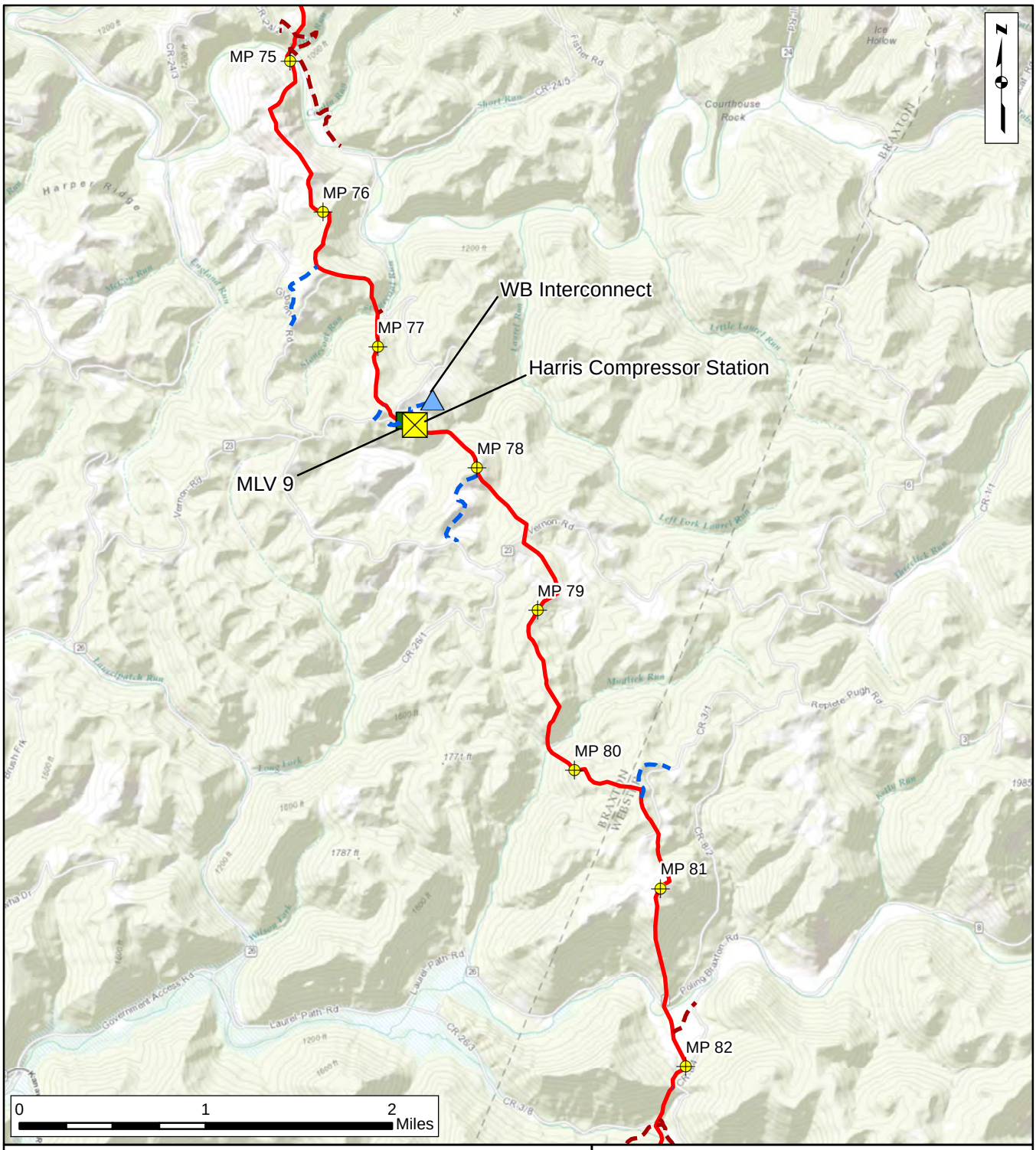

Milepost
Proposed Pipeline Route
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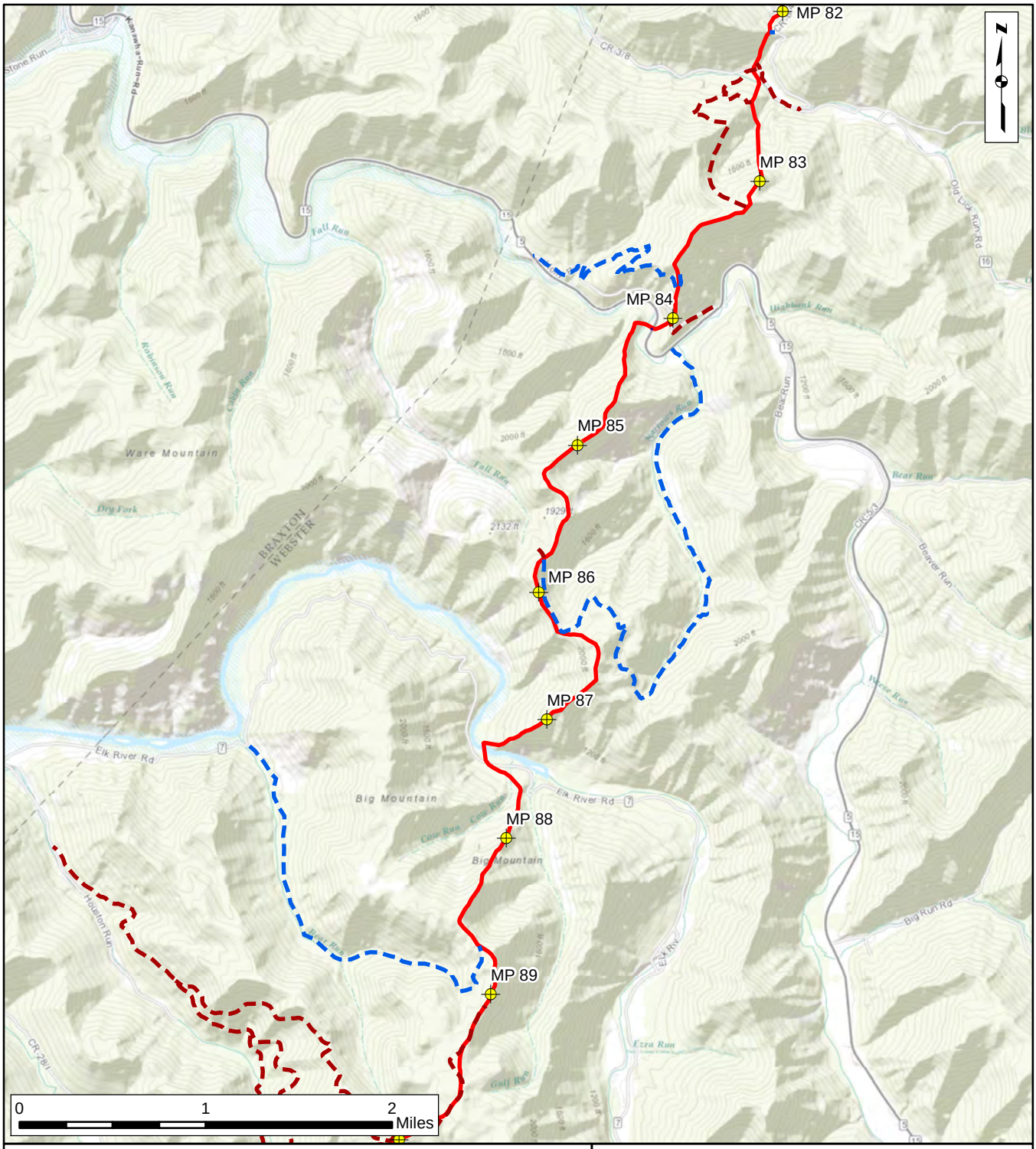
Project Overview Map



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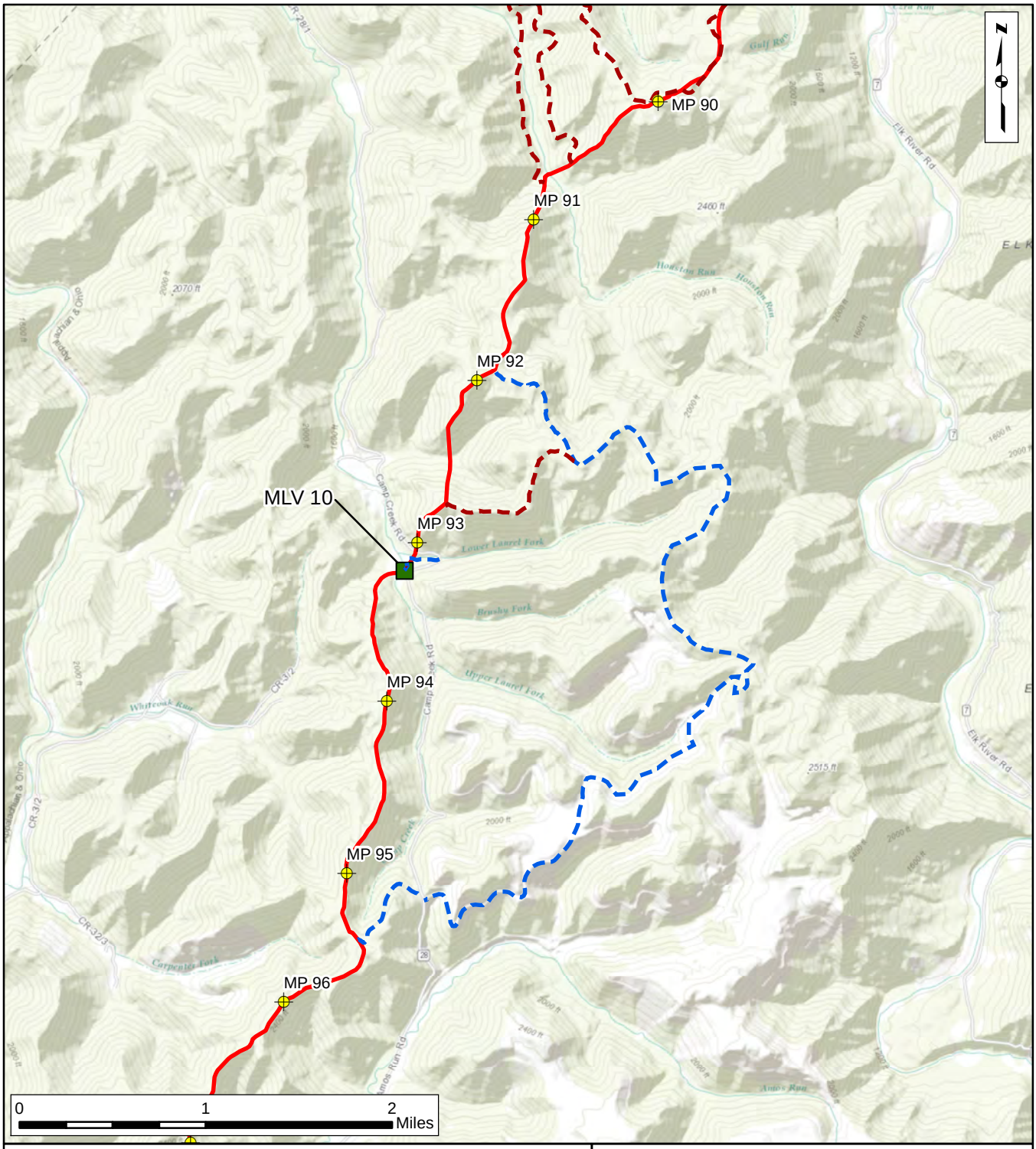

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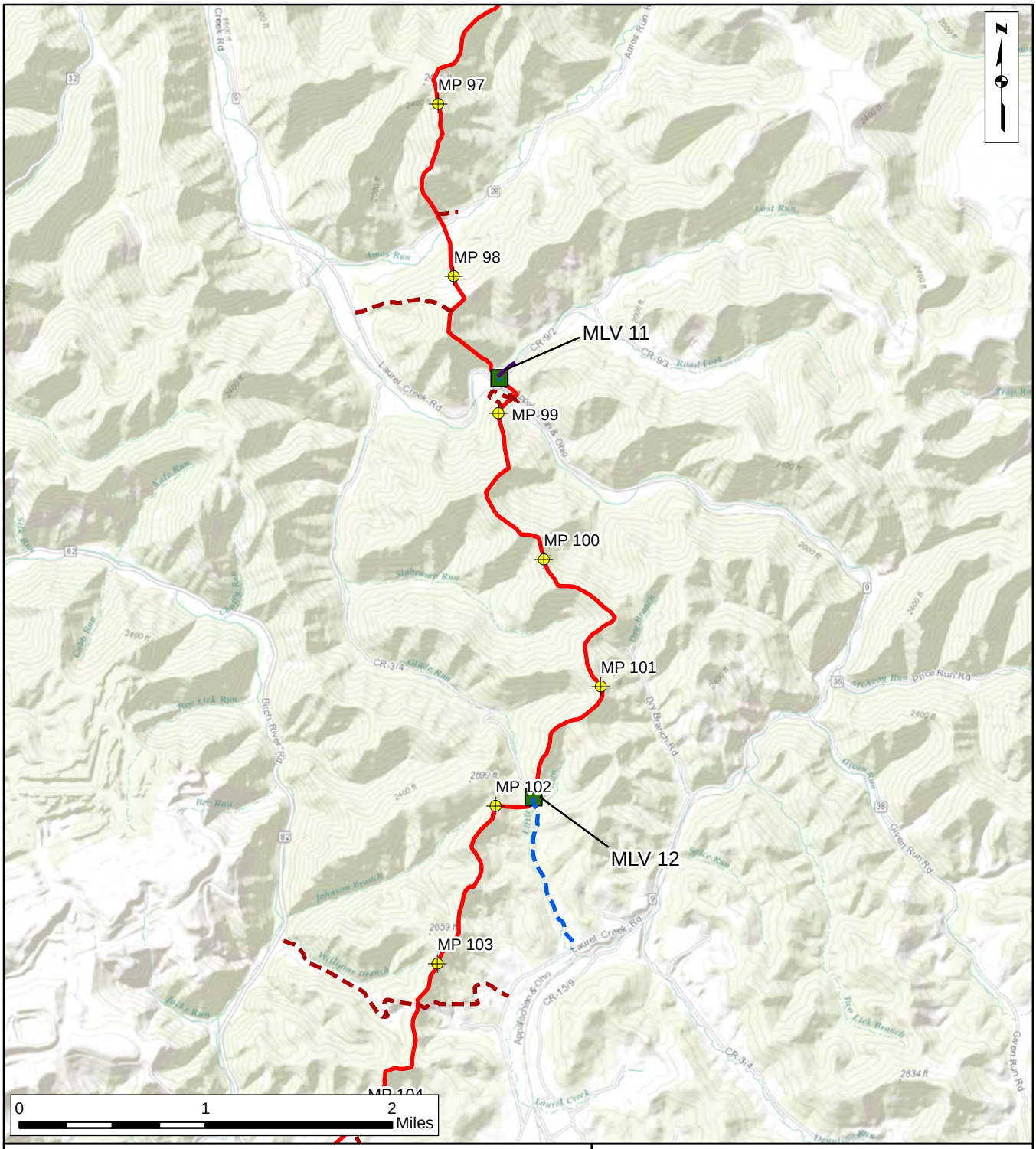

Milepost
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Gas Tap
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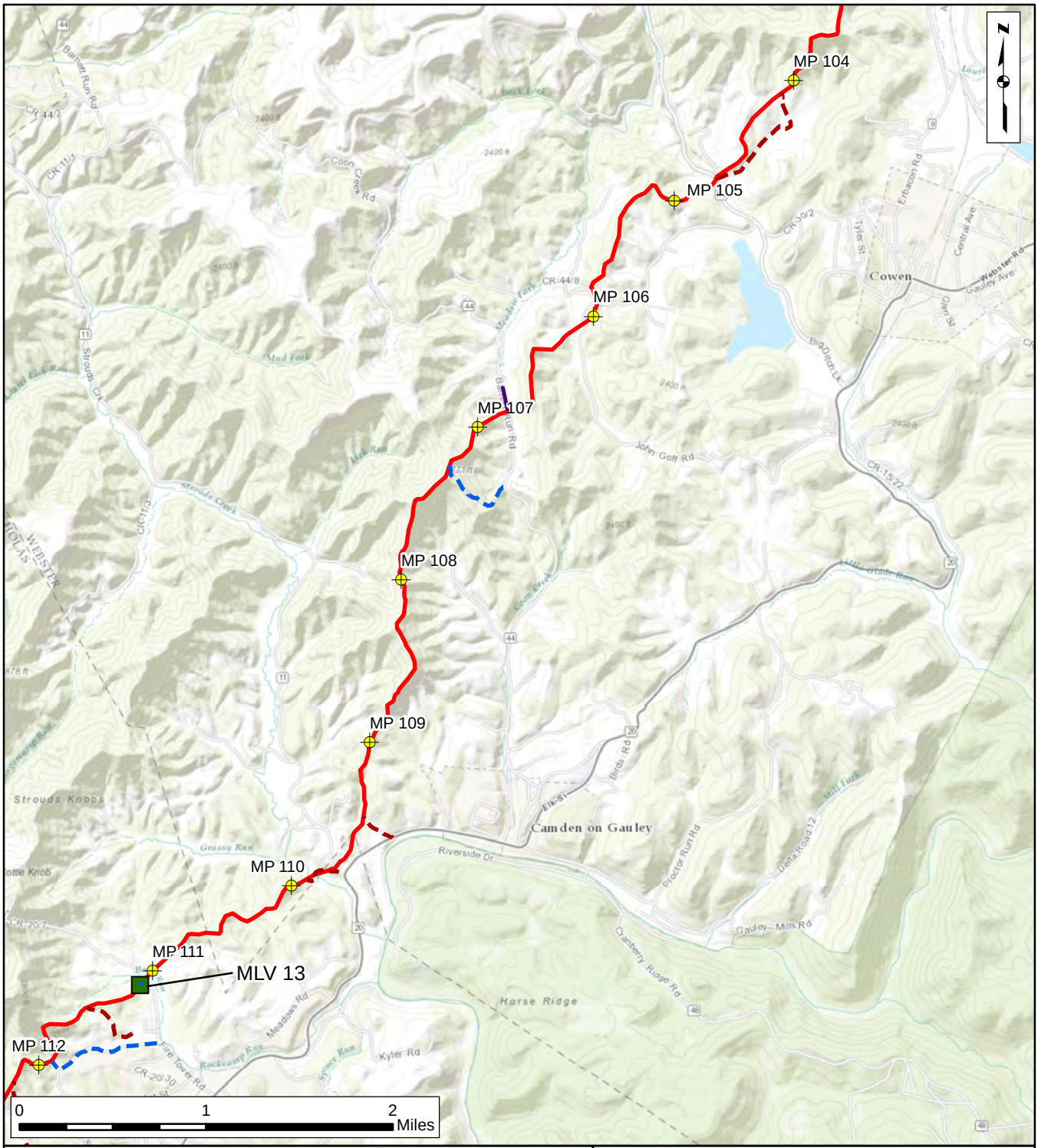

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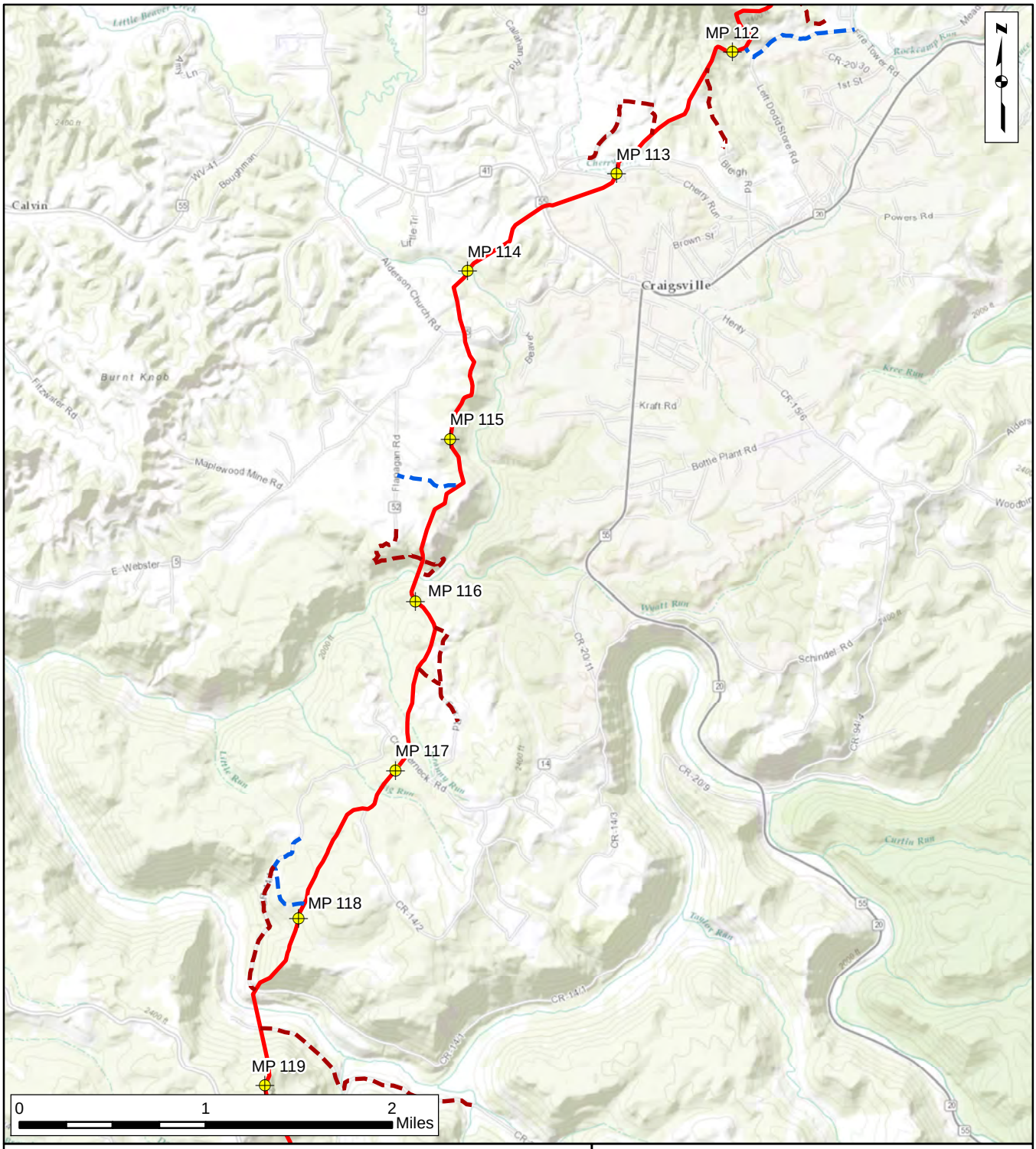

Milepost
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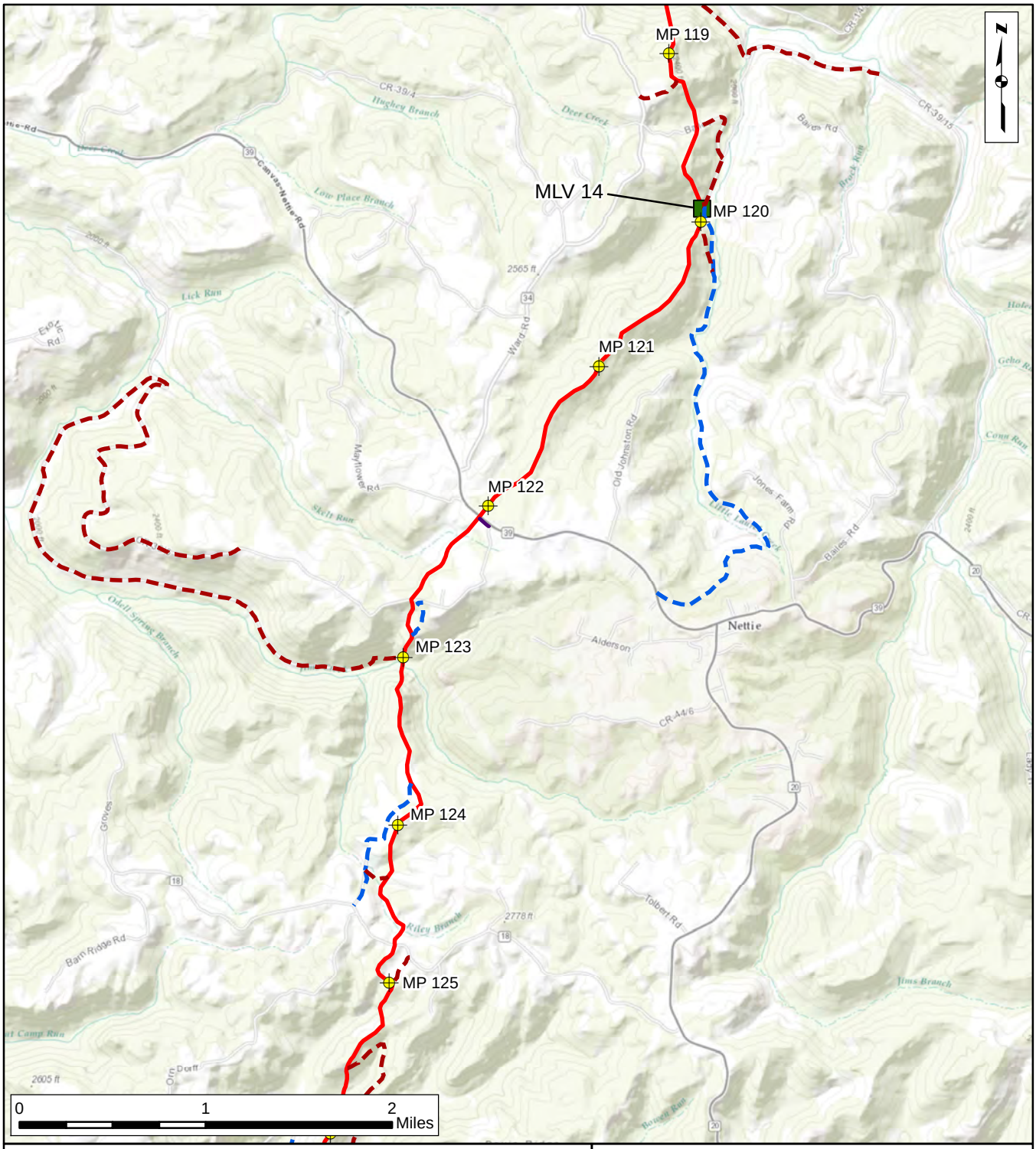

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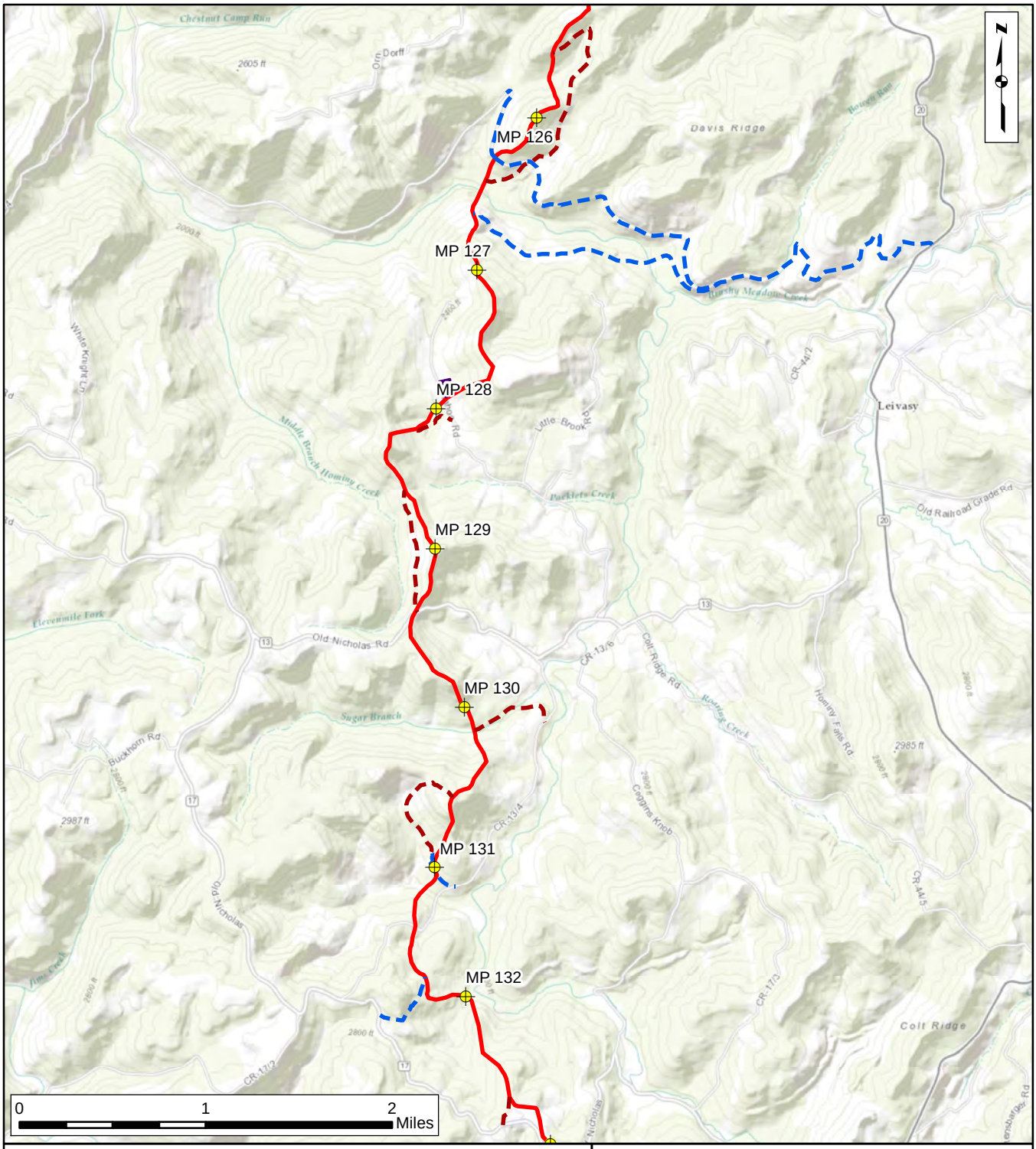

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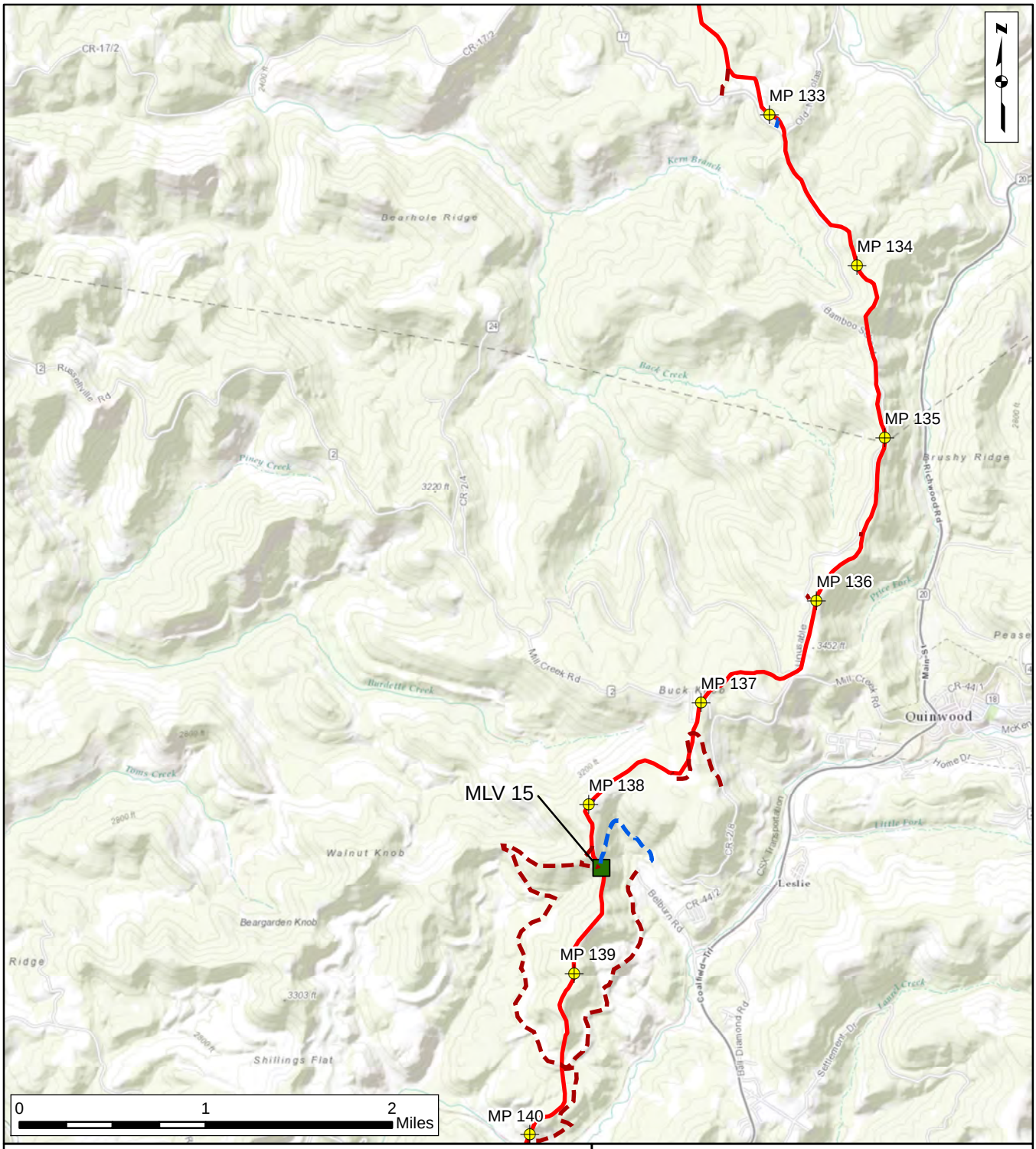
Project Overview Map



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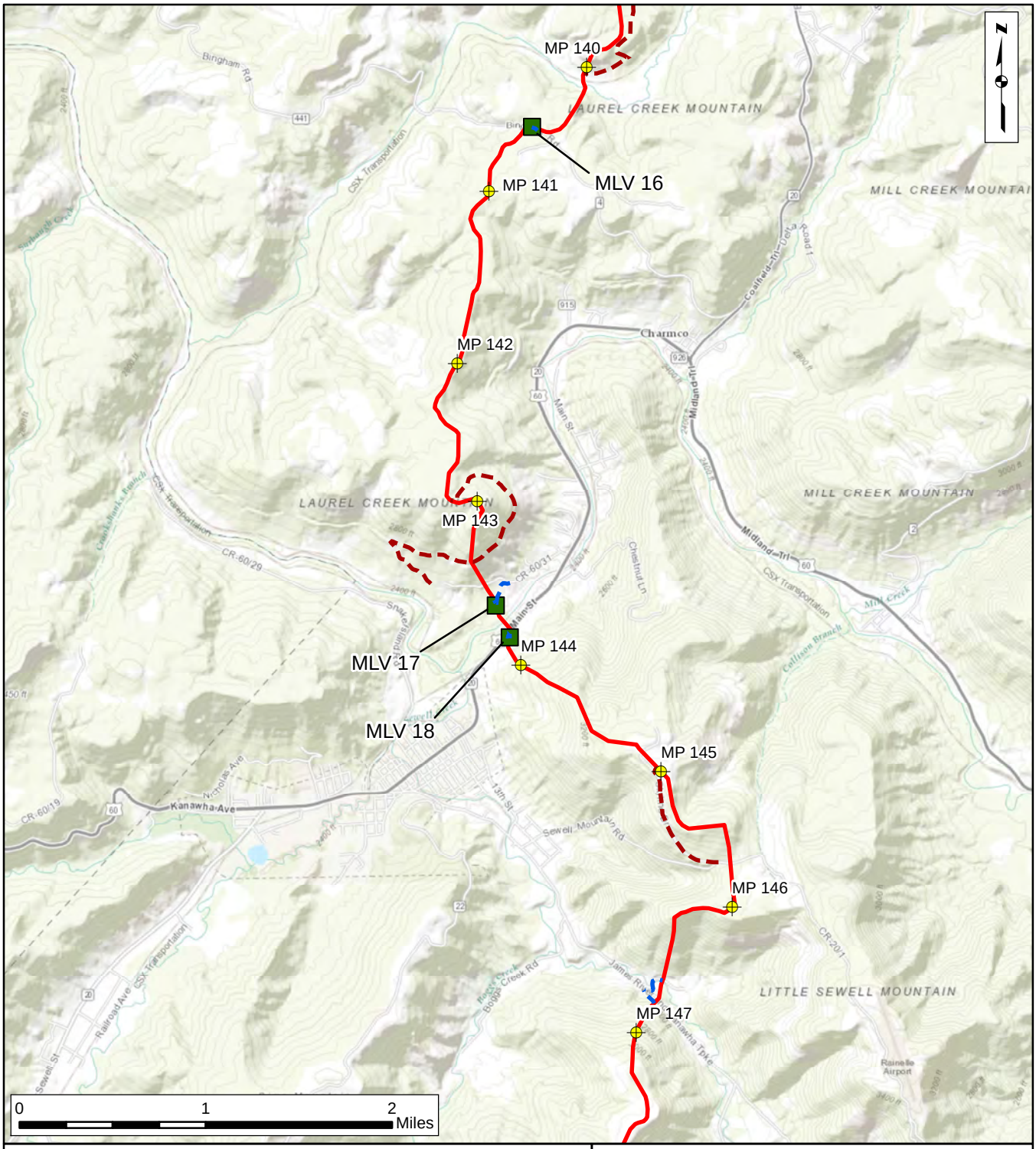

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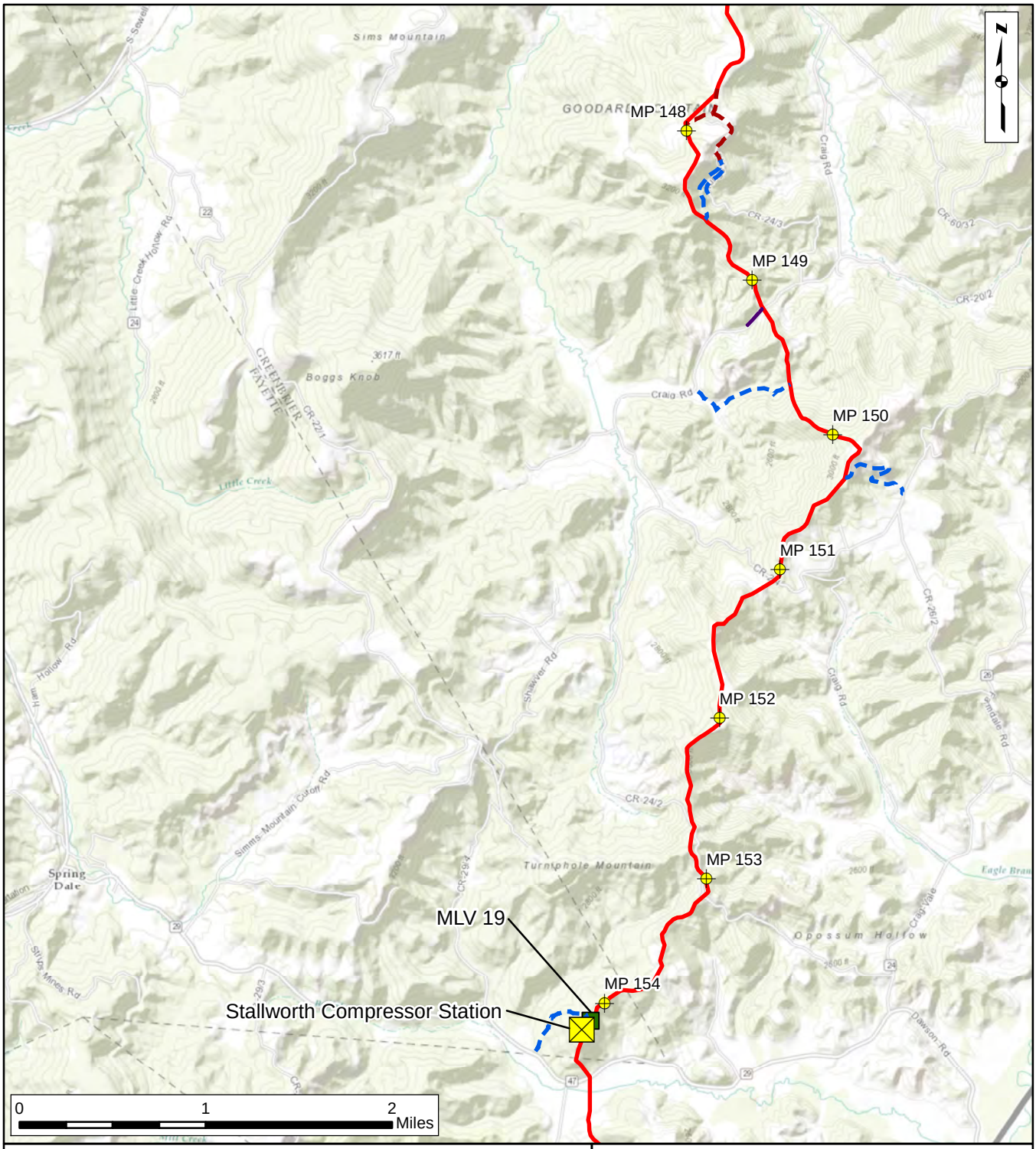

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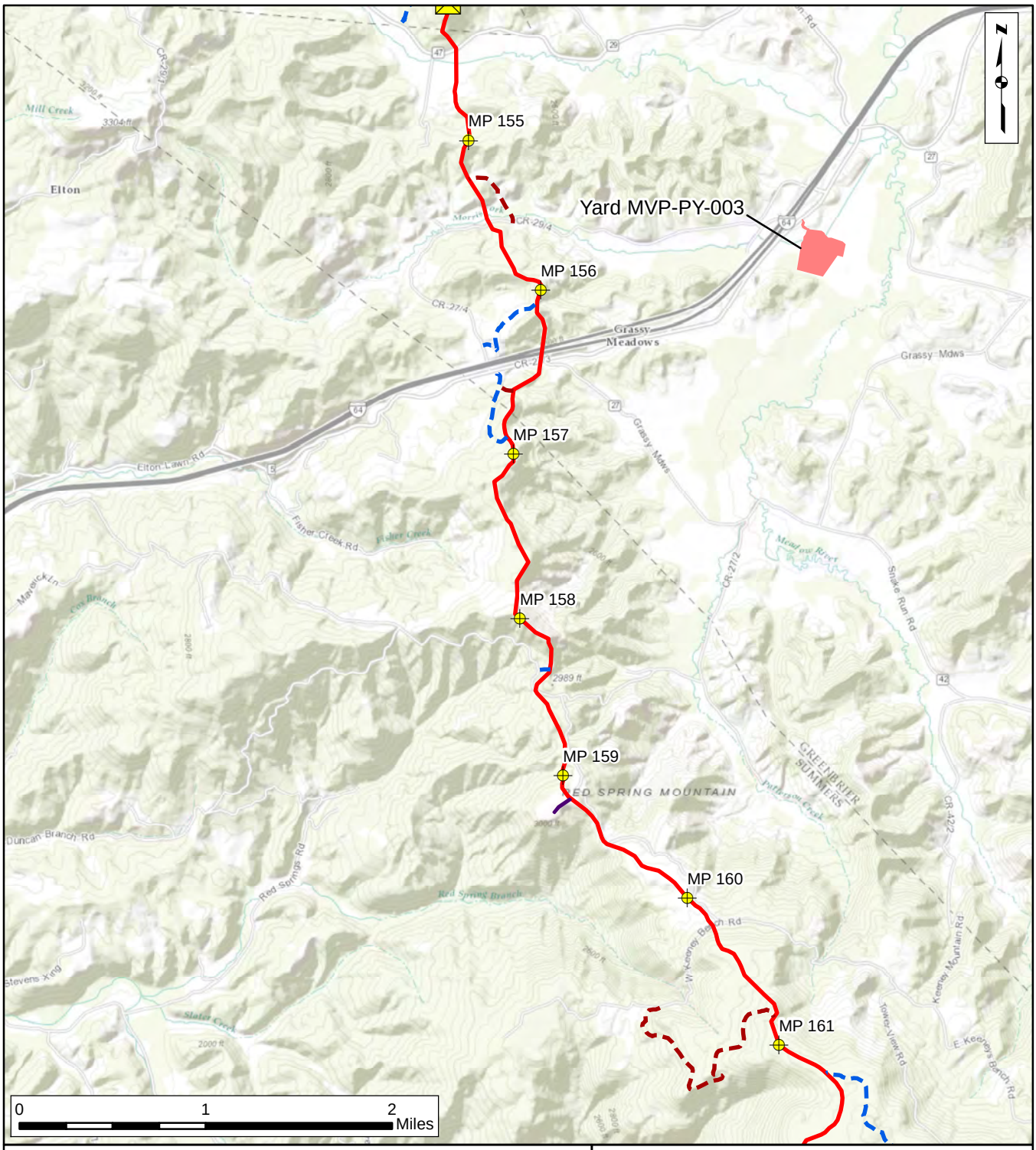

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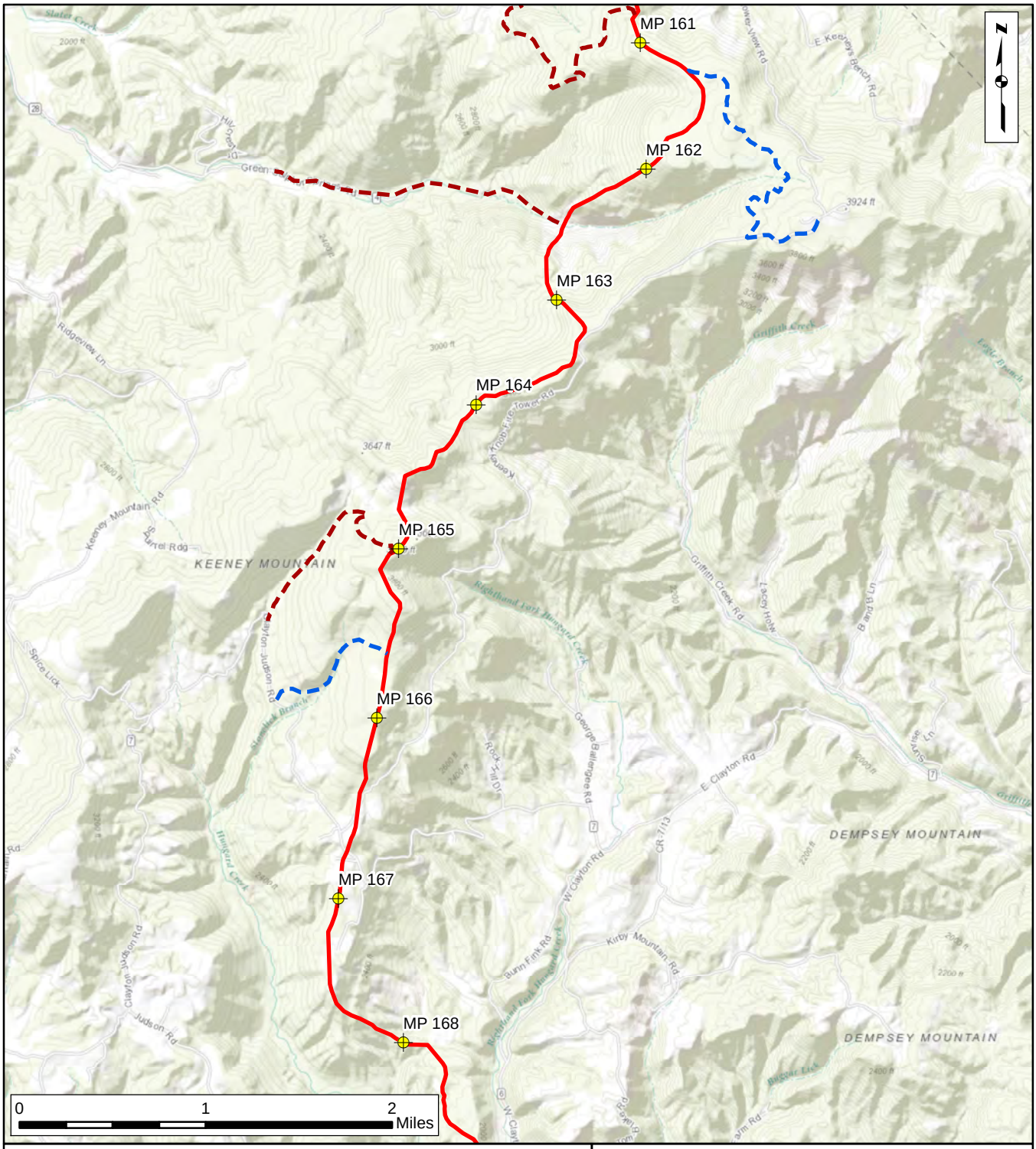

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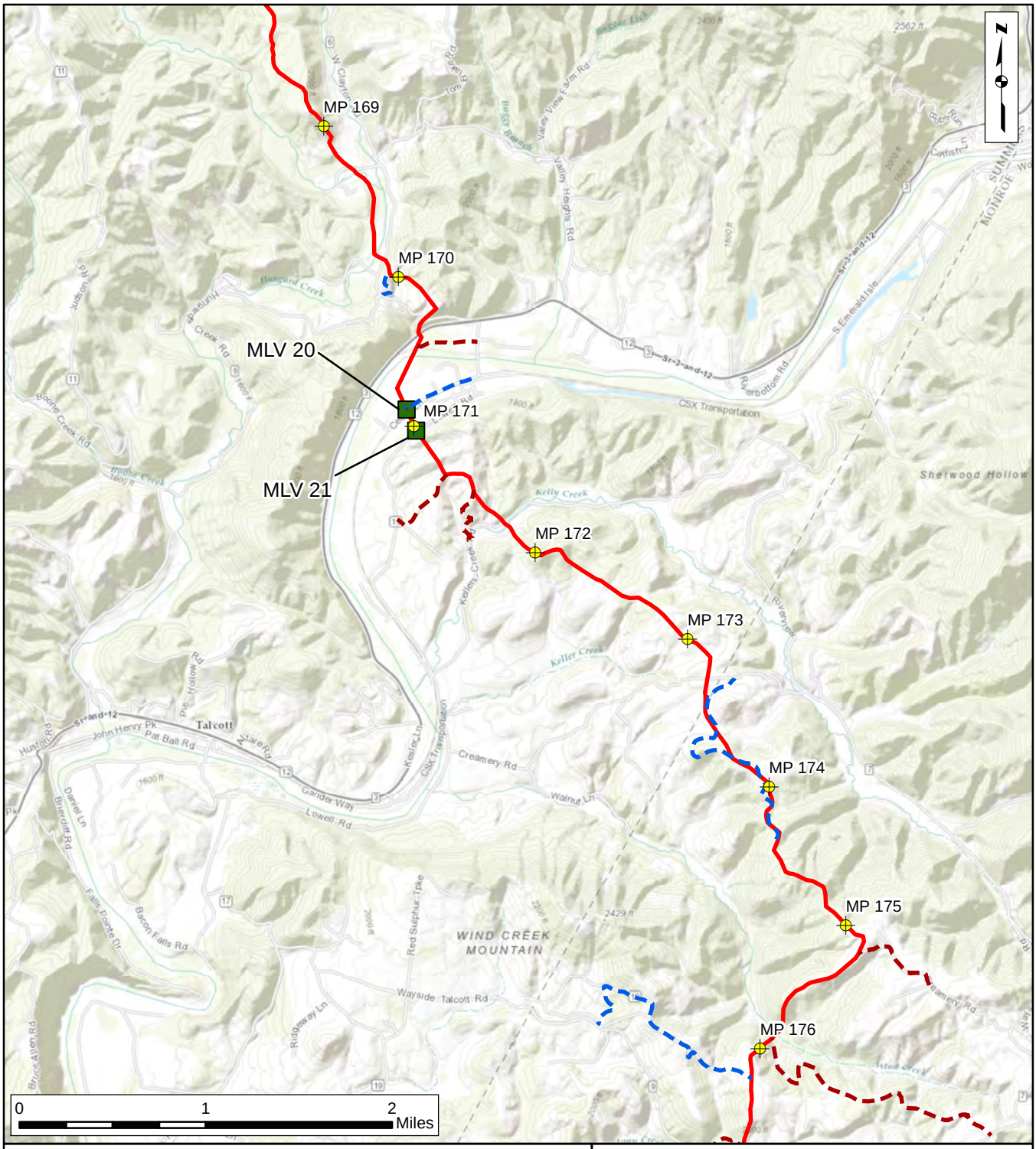

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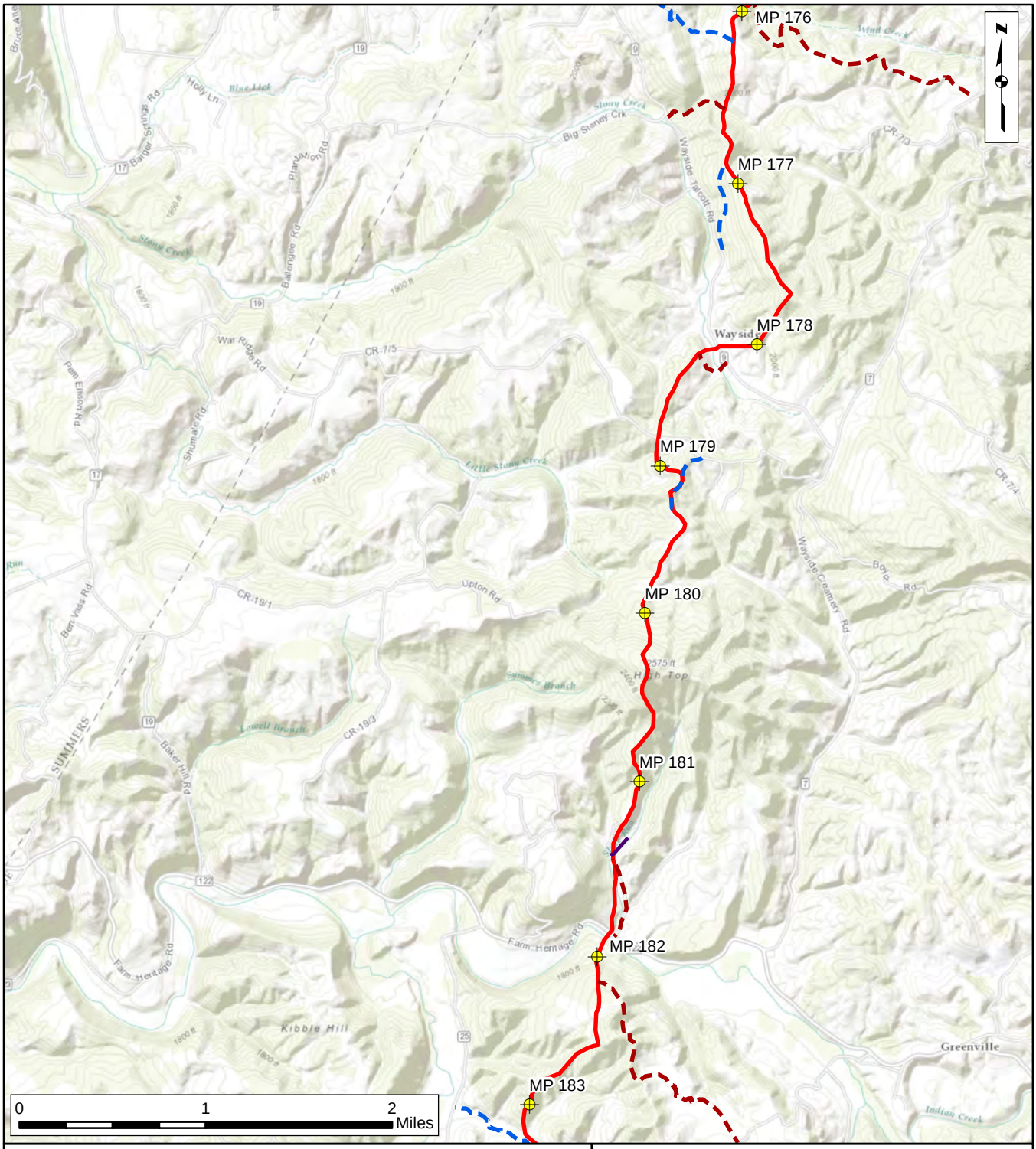

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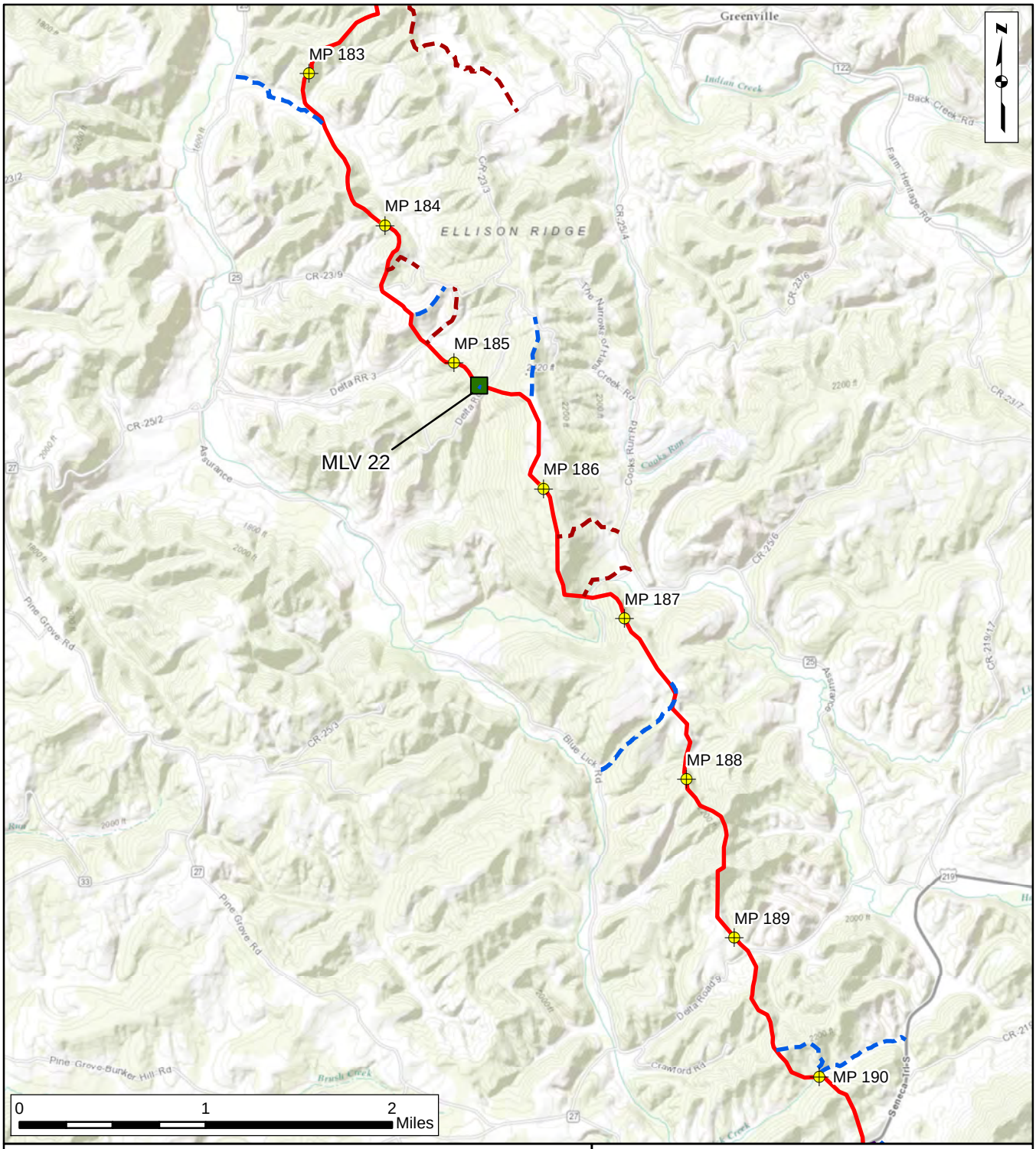

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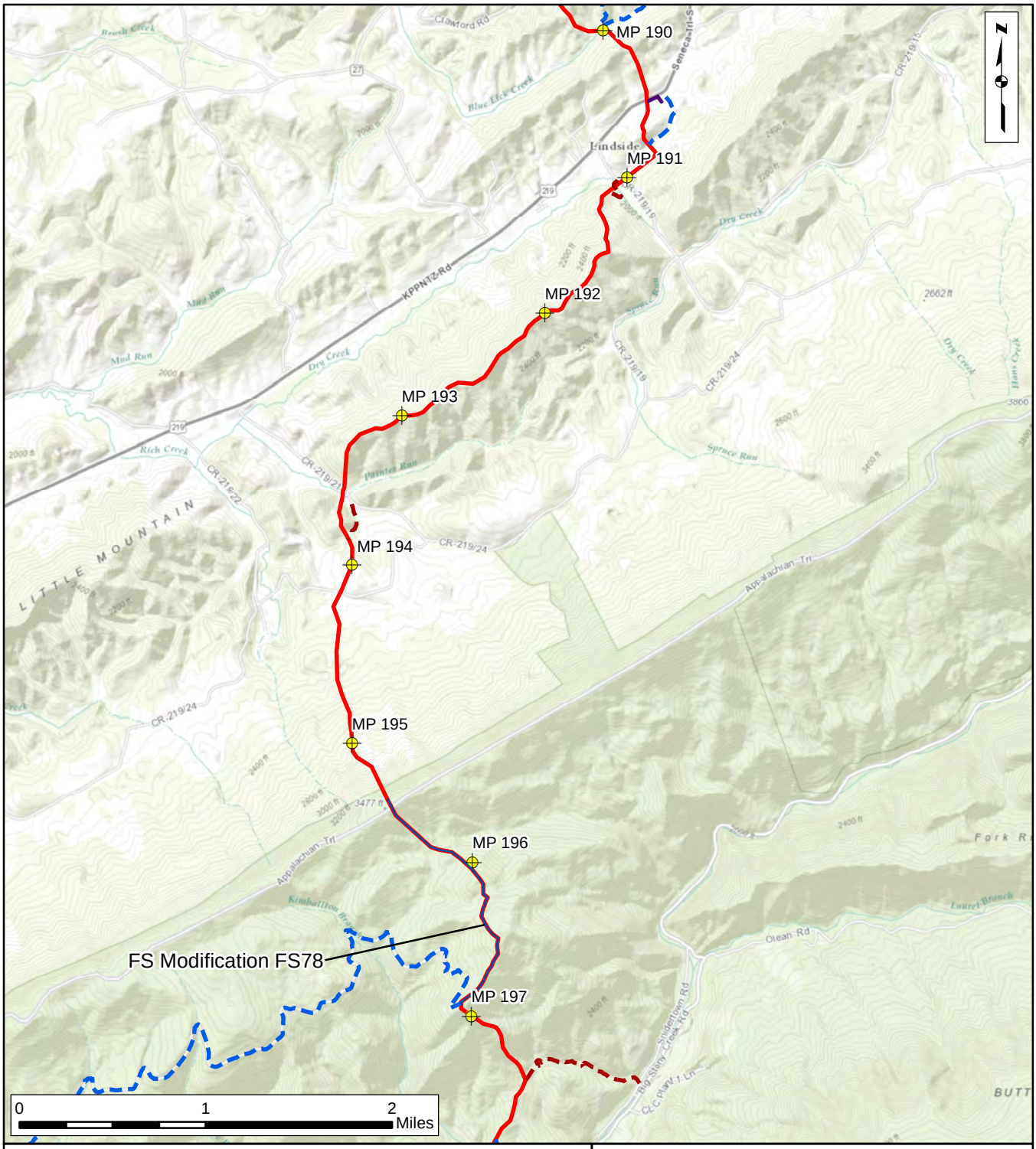

Milepost
Proposed Pipeline Route
Meter Station/Interconnect
Permanent Access Road
Temporary Access Road
Gas Tap
Mainline Valve
Proposed Compressor Station Location
Cathodic Protection Groundbed
Yard

Appendix B

Mountain Valley & Equitrans Expansion Projects

Project Overview Map
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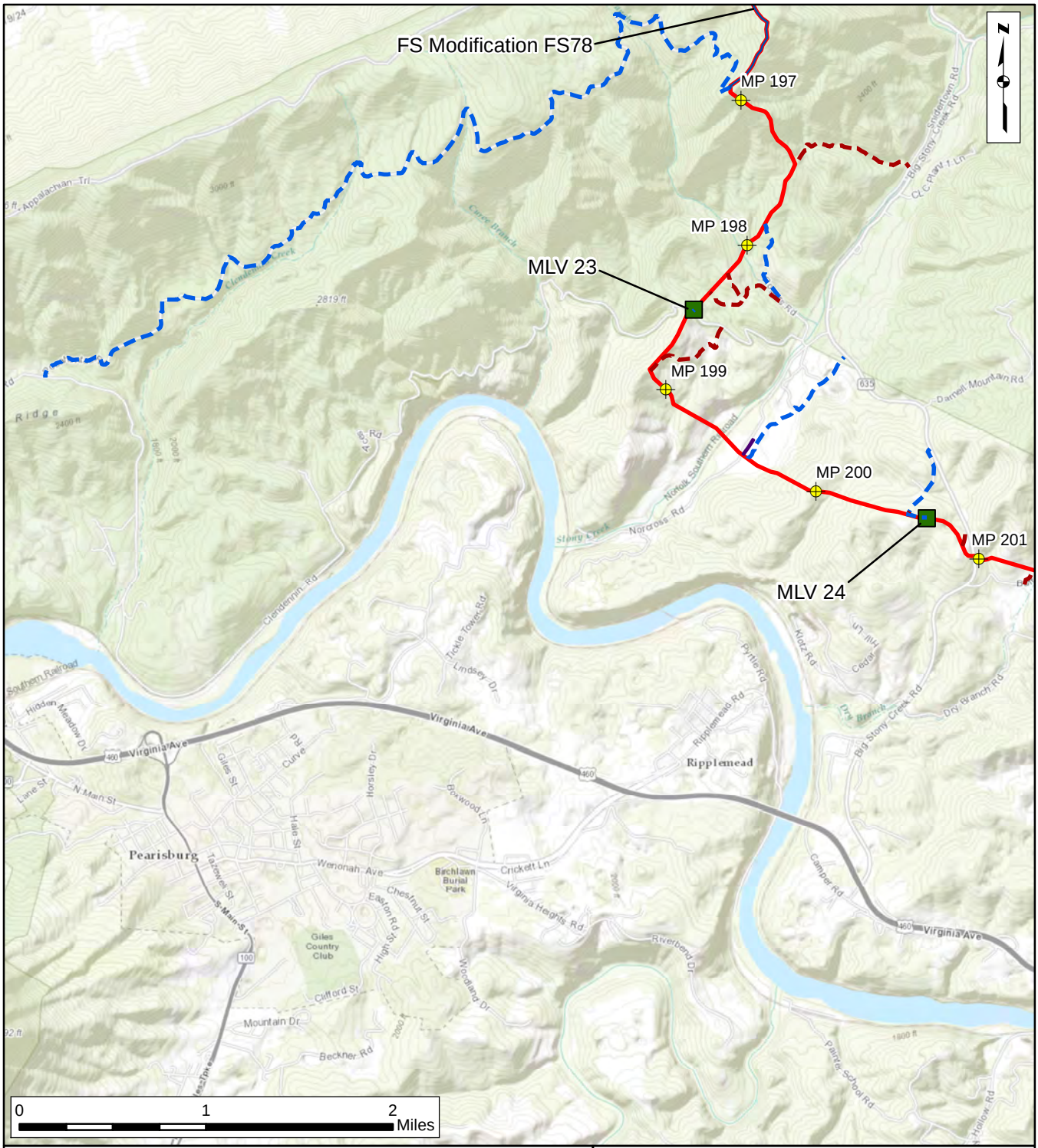

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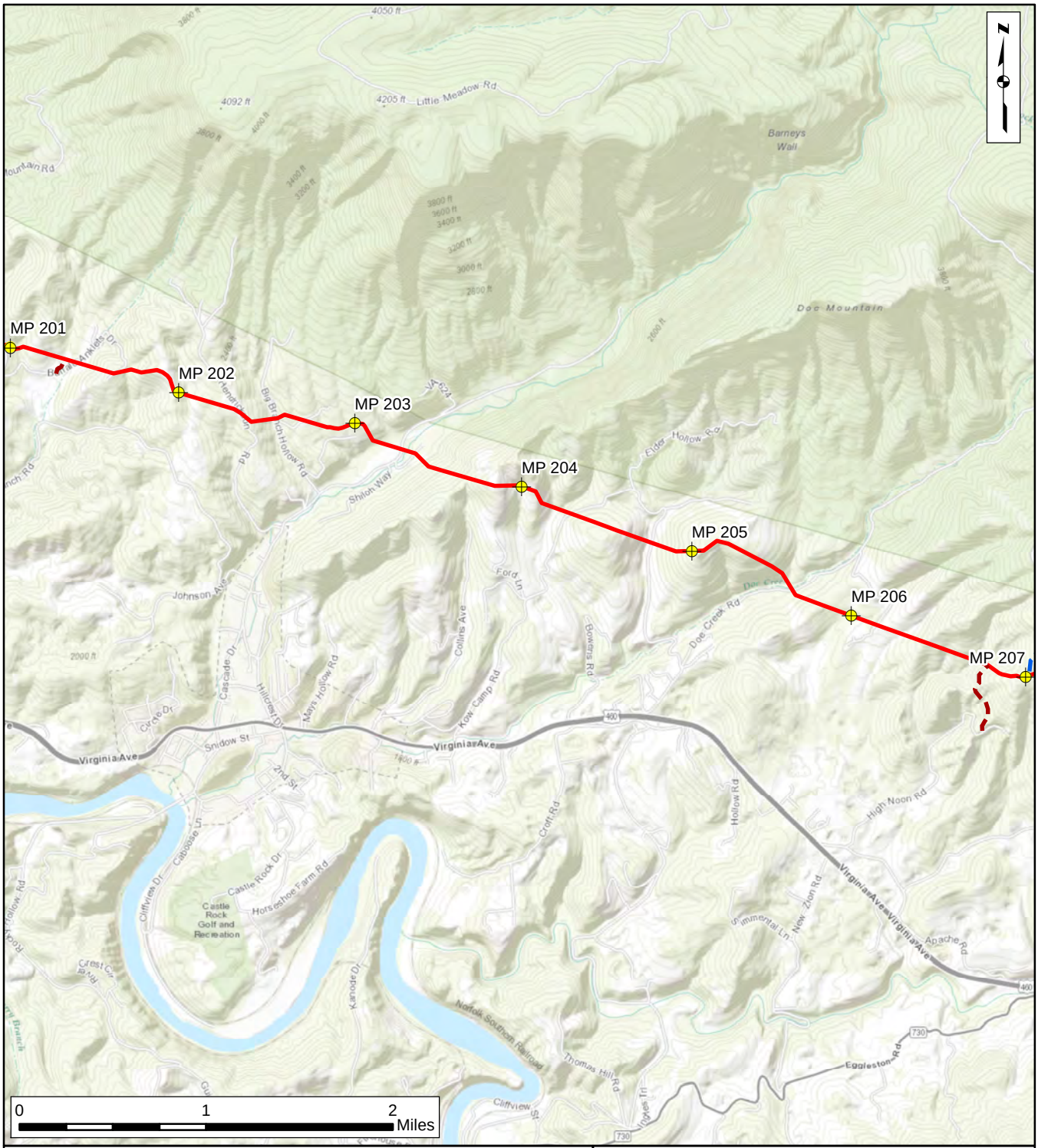

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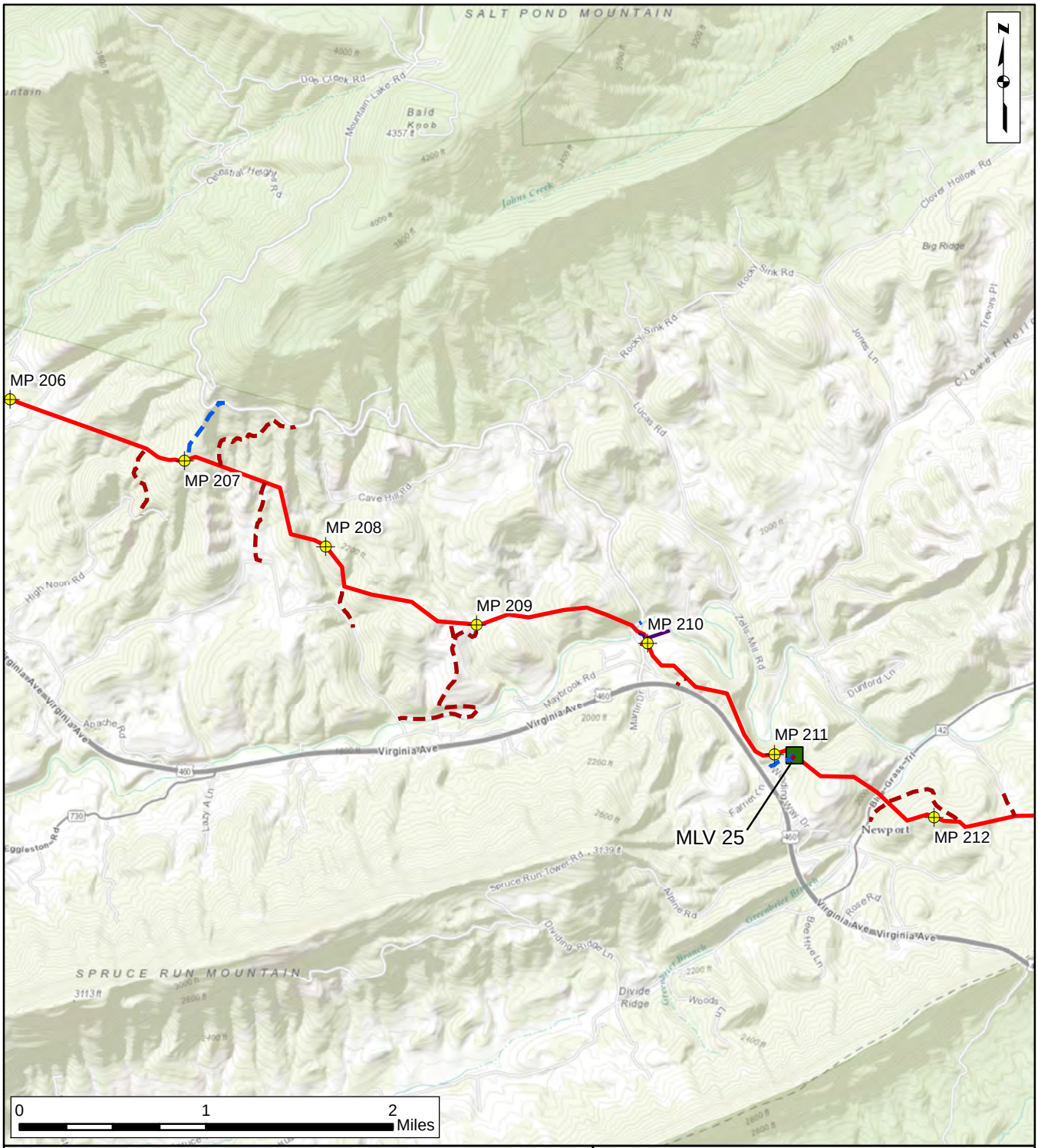

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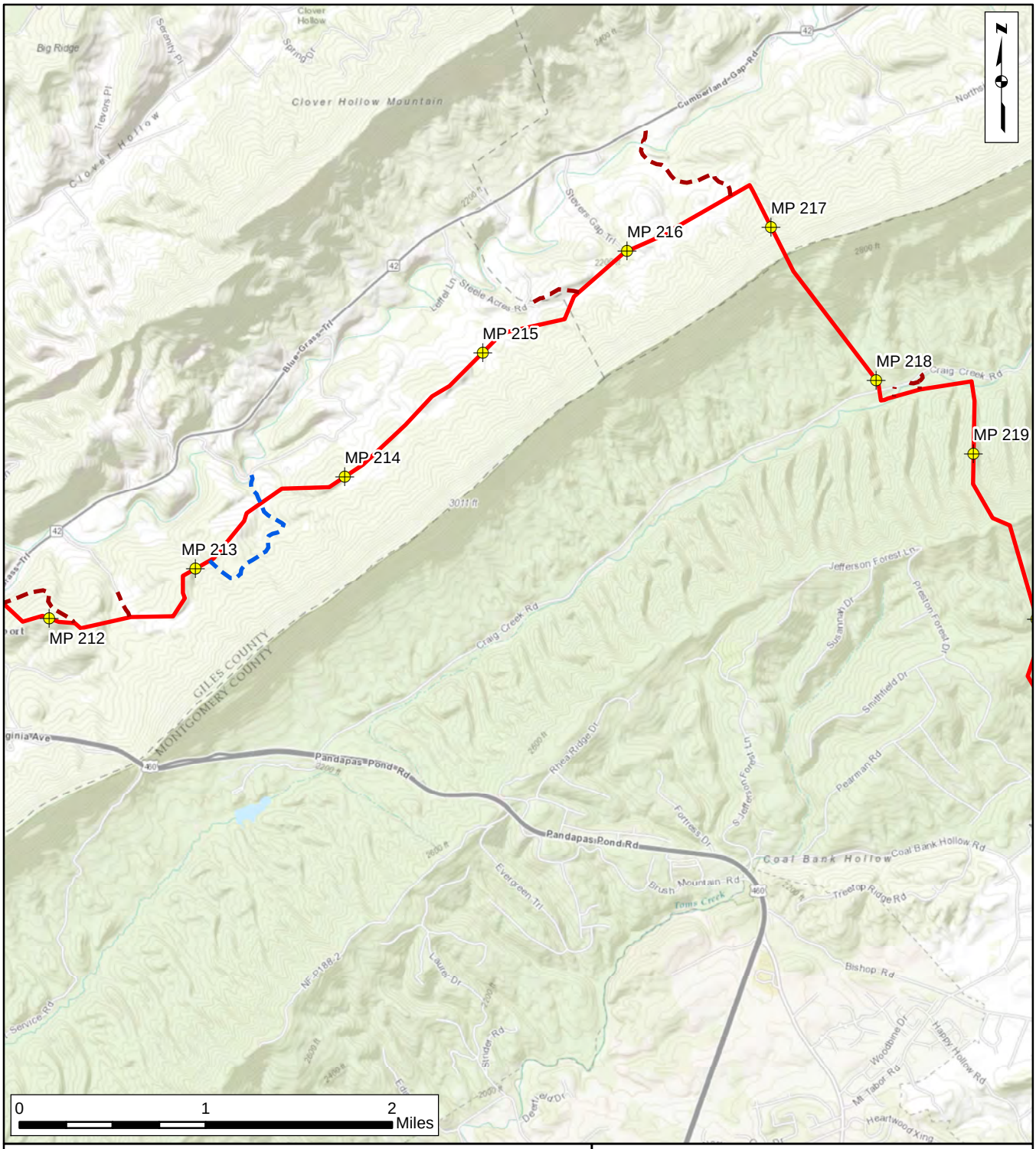

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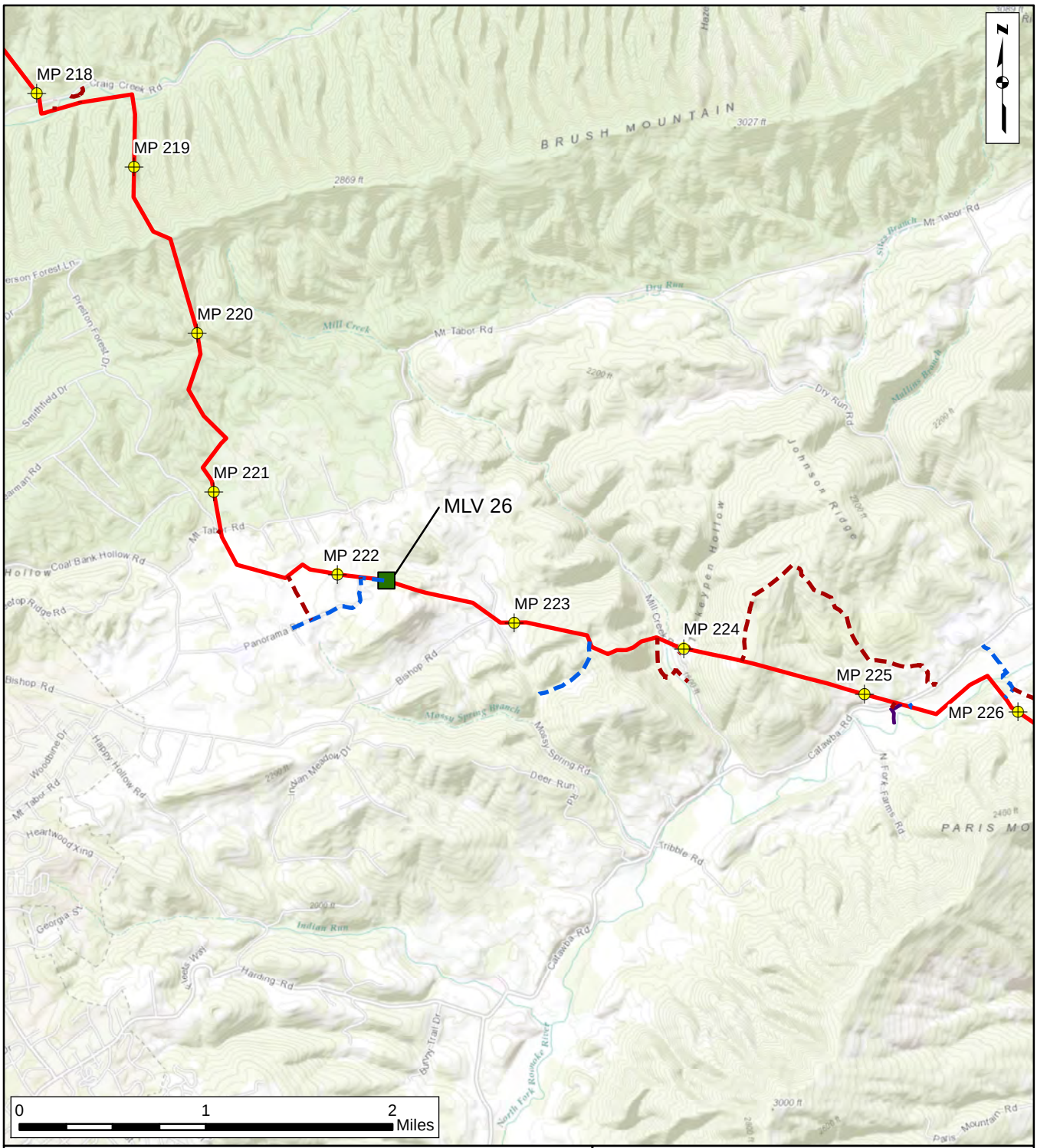

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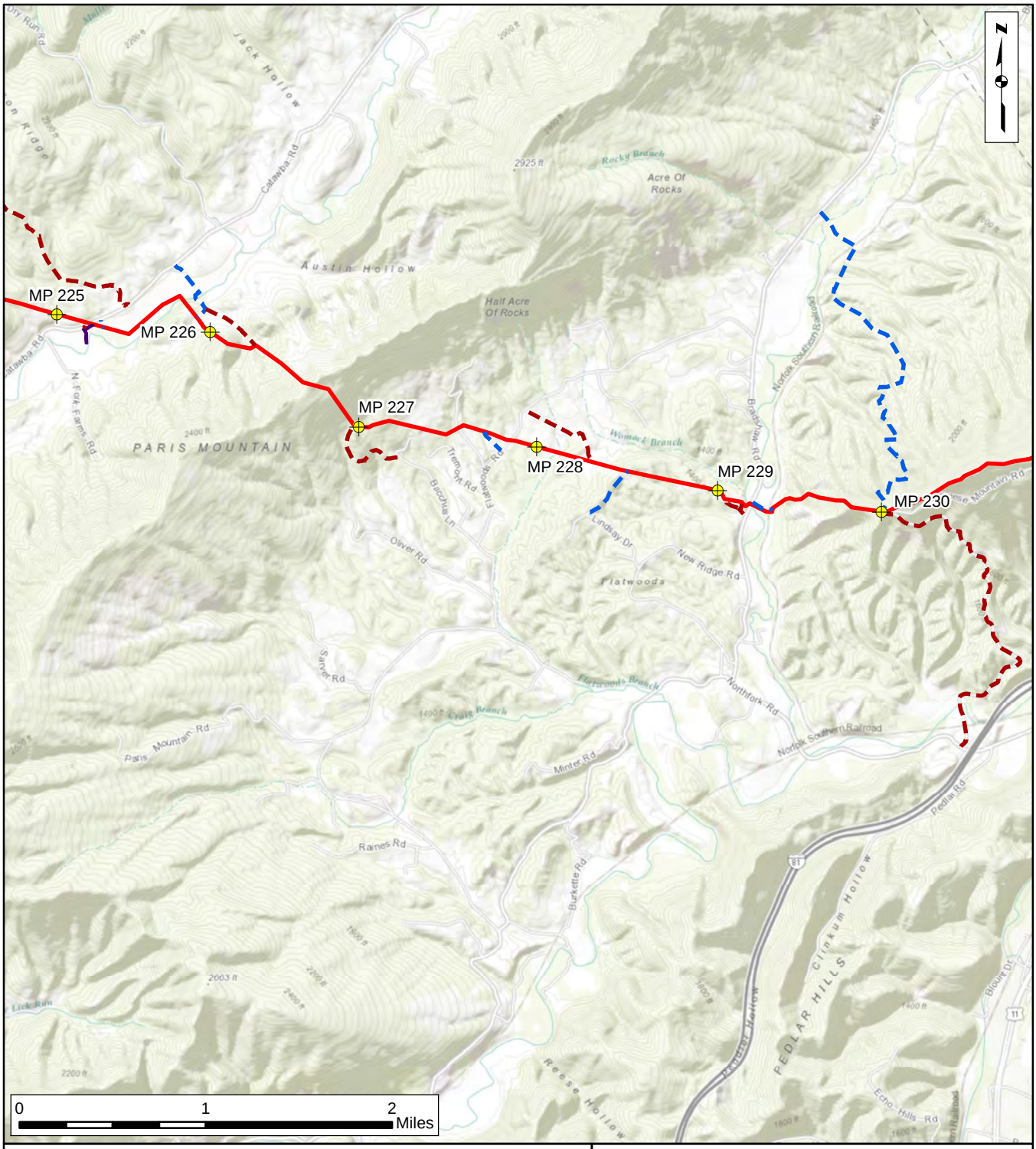

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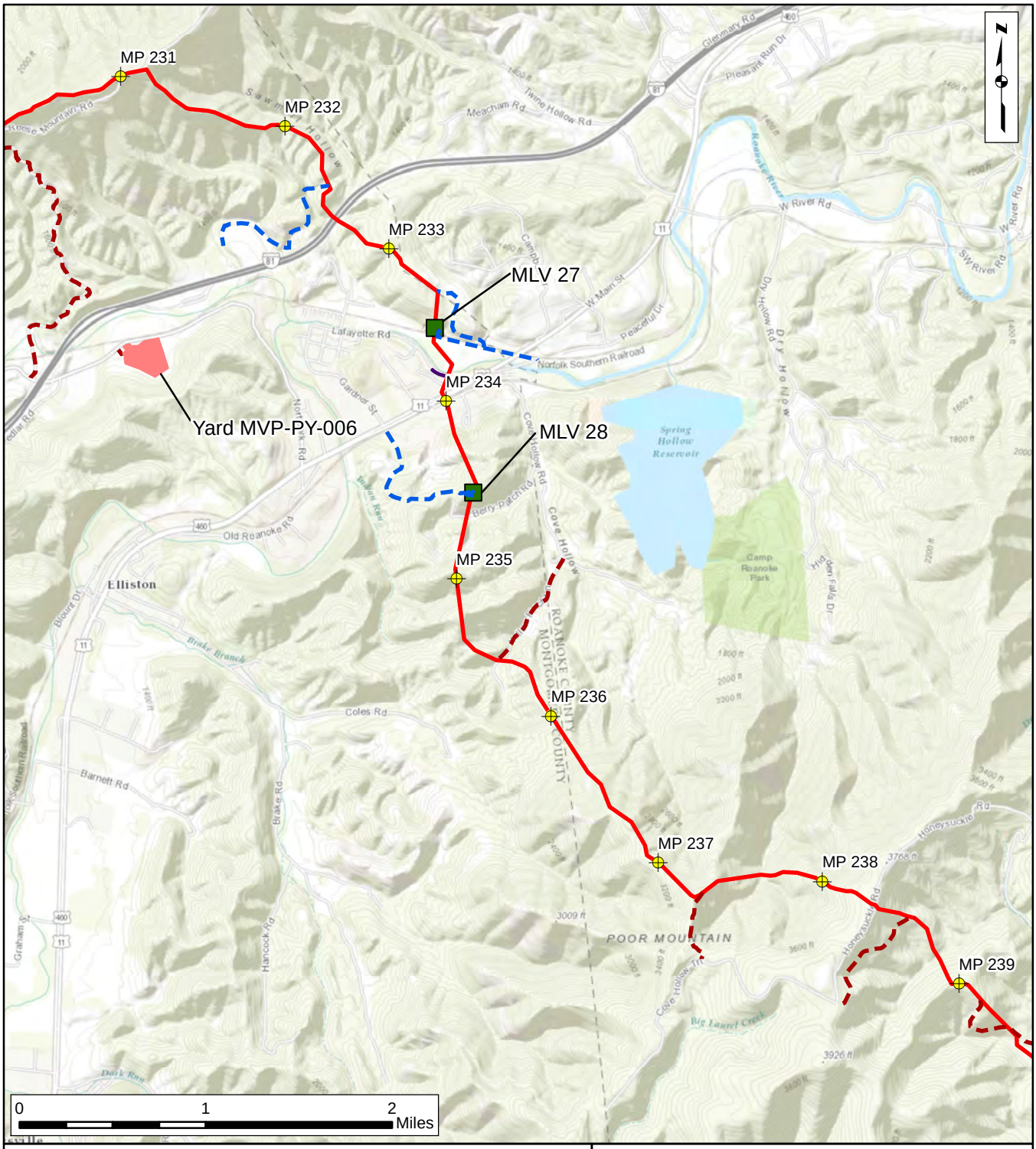

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Mountain Valley & Equitrans Expansion Projects

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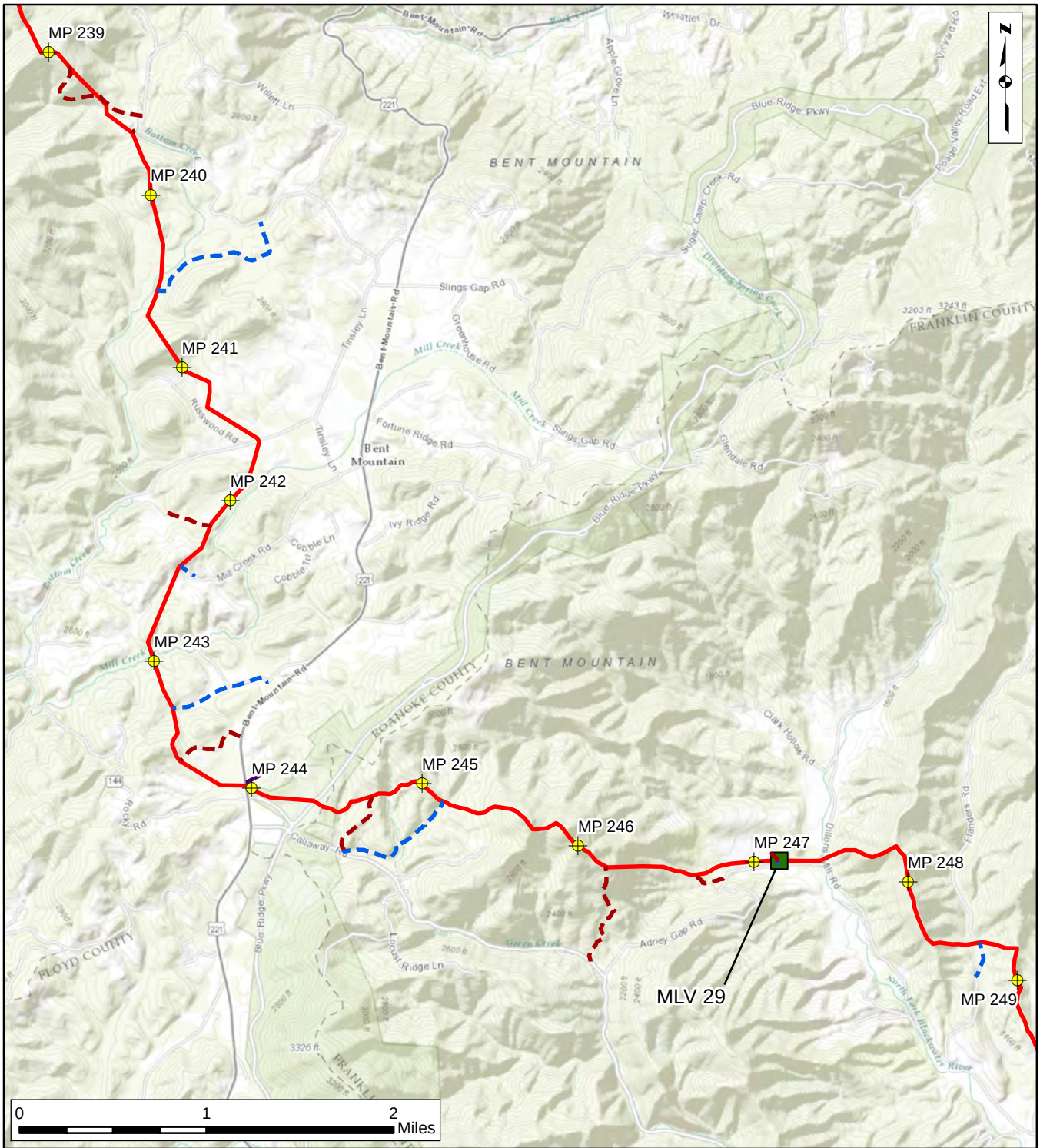

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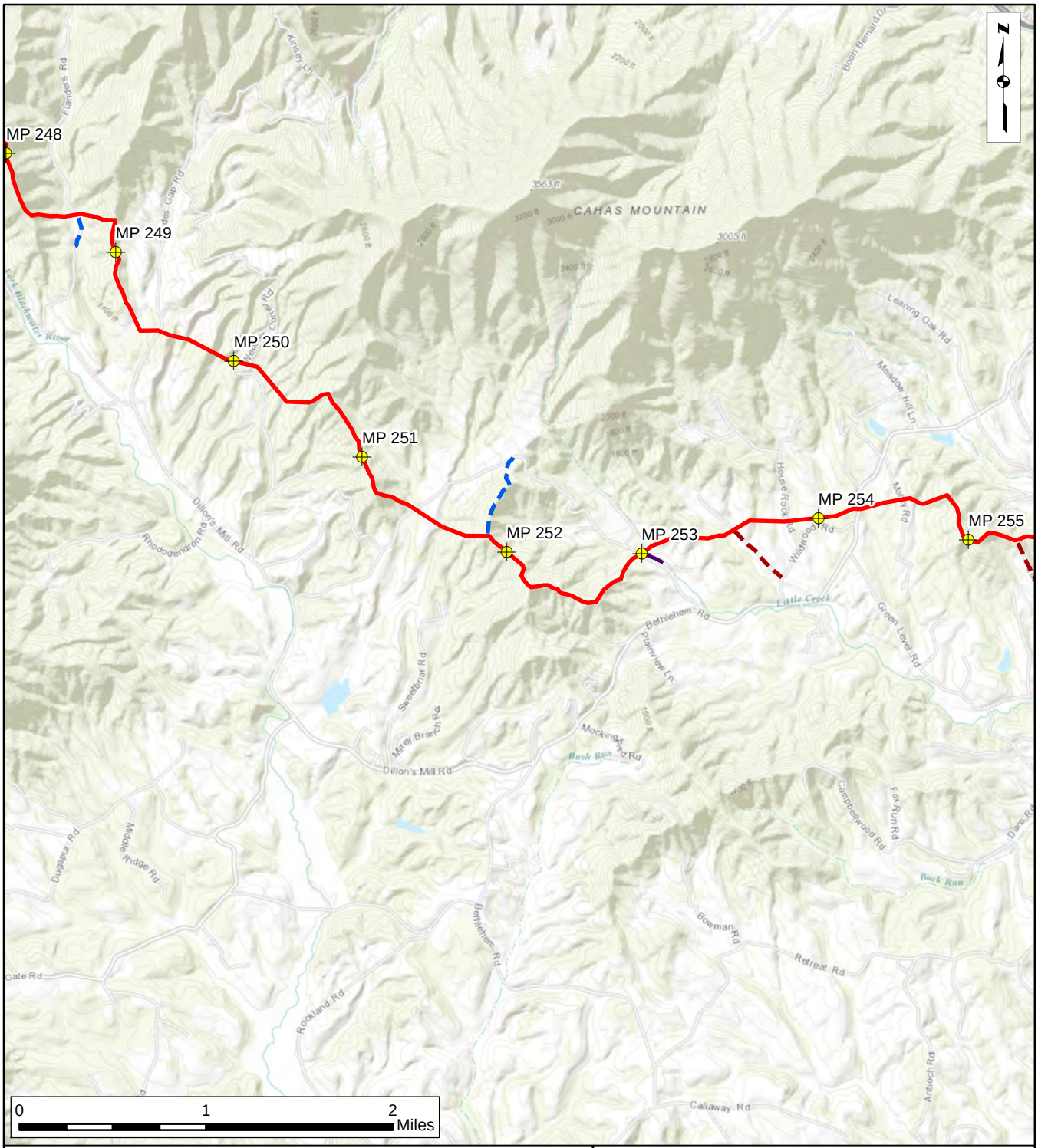

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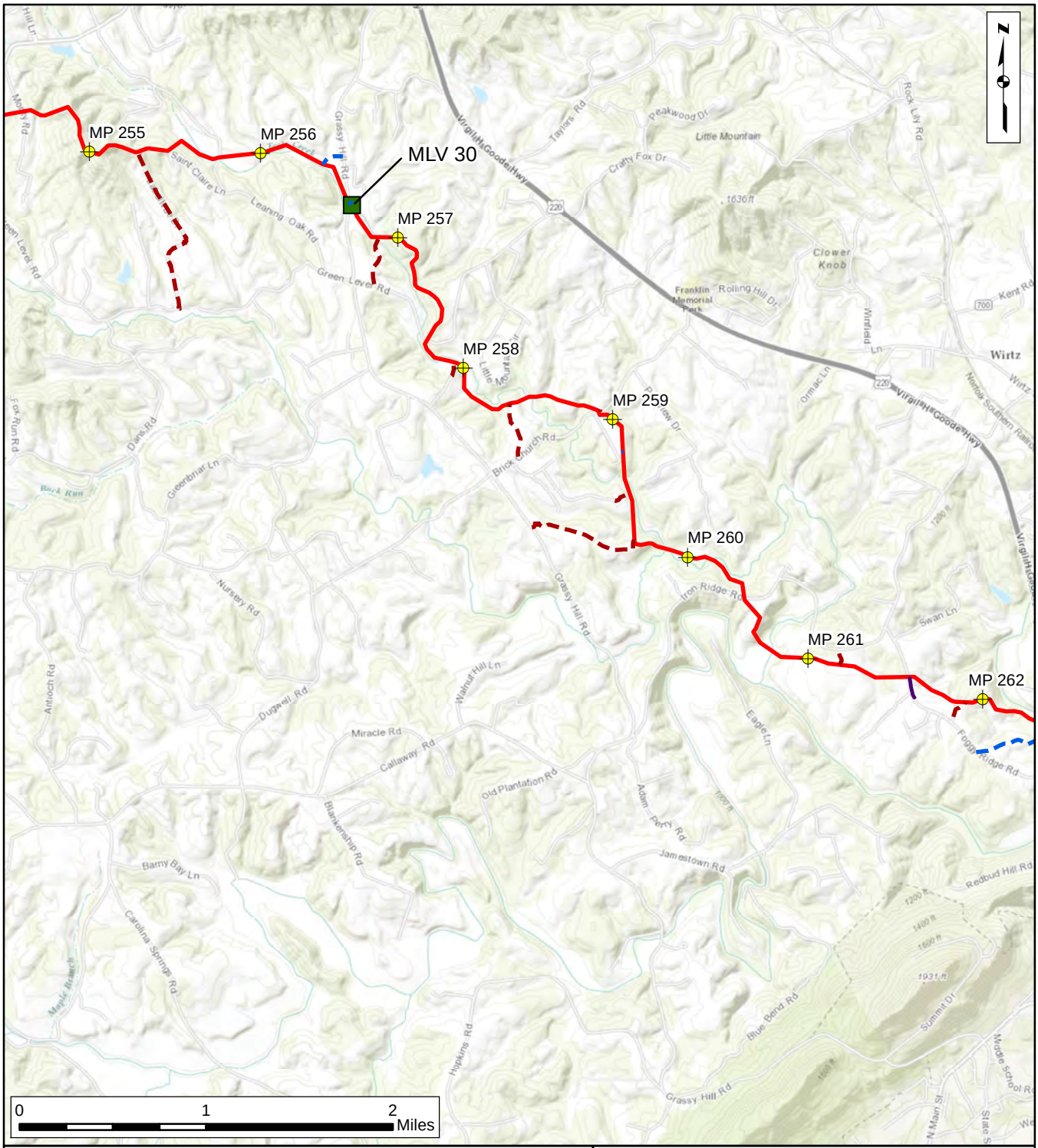

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Mountain Valley & Equitrans Expansion Projects

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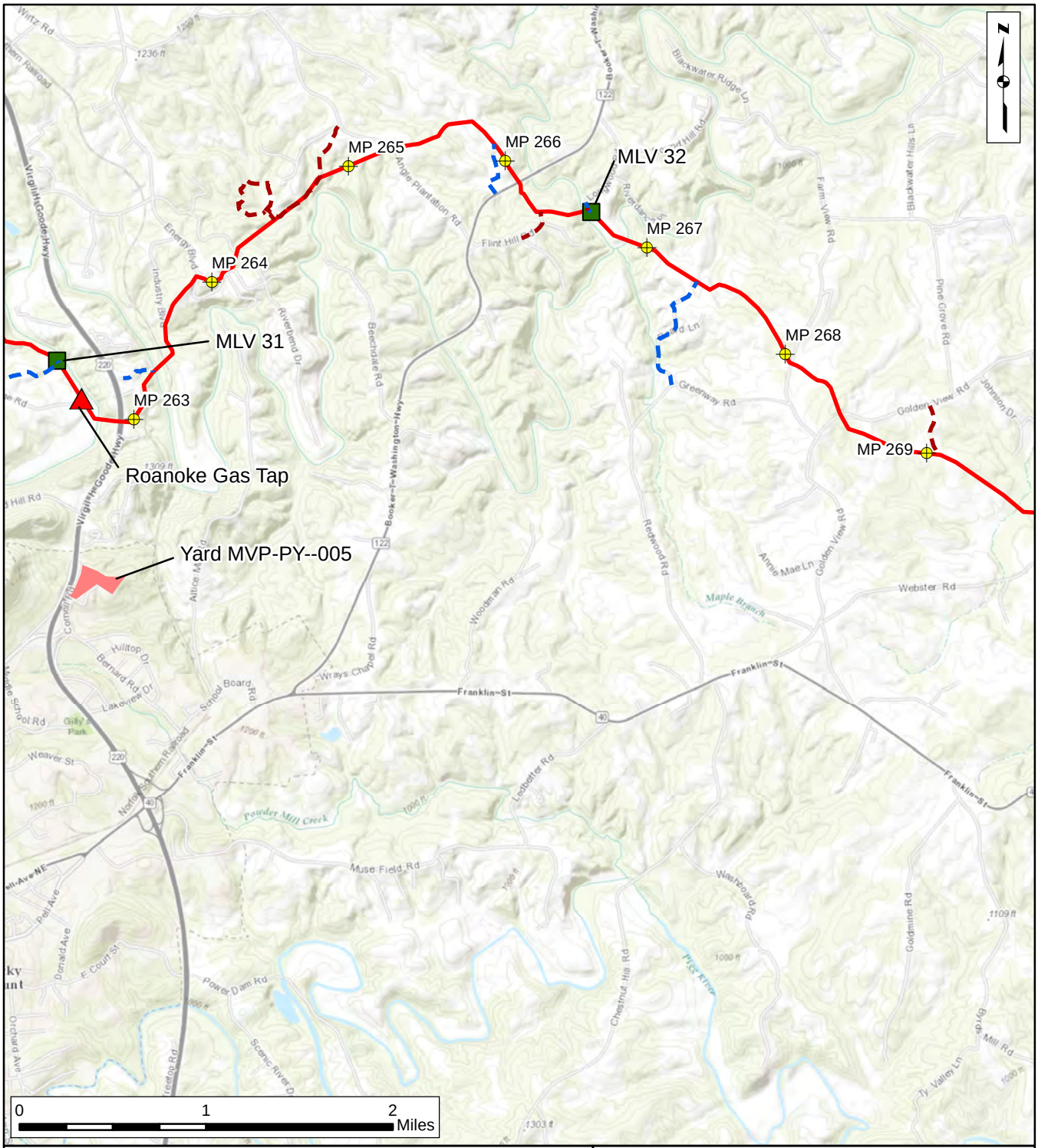

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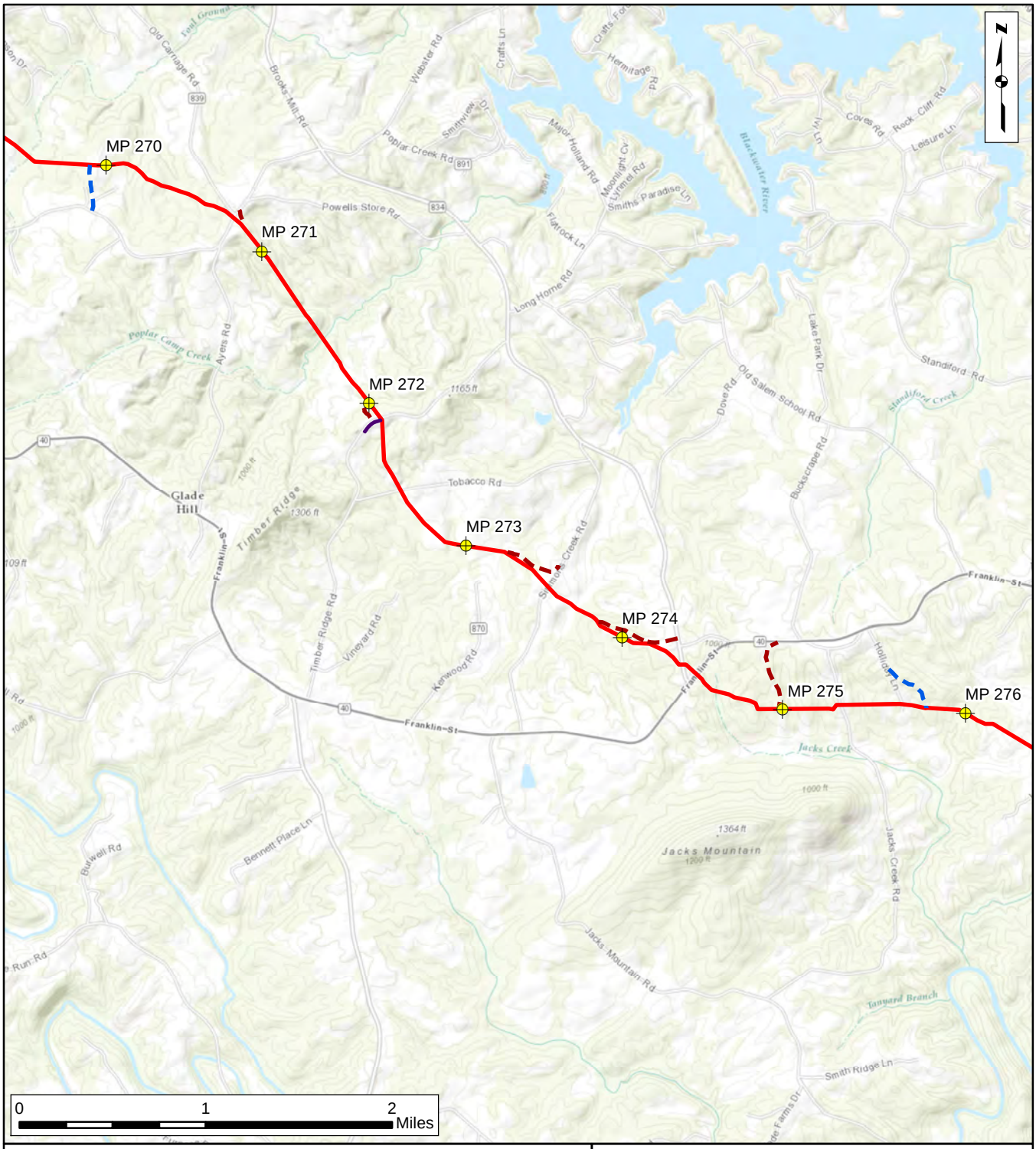

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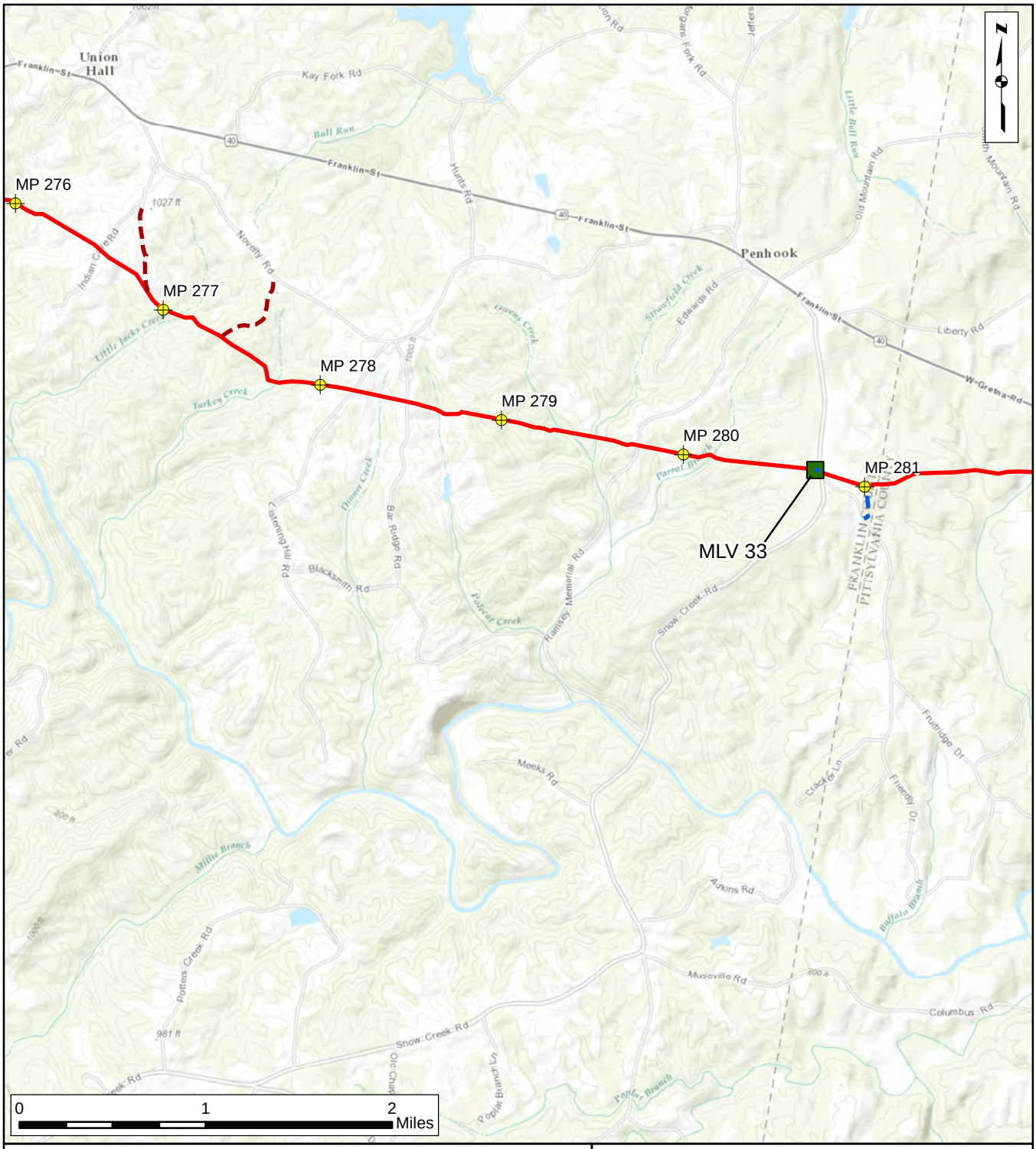

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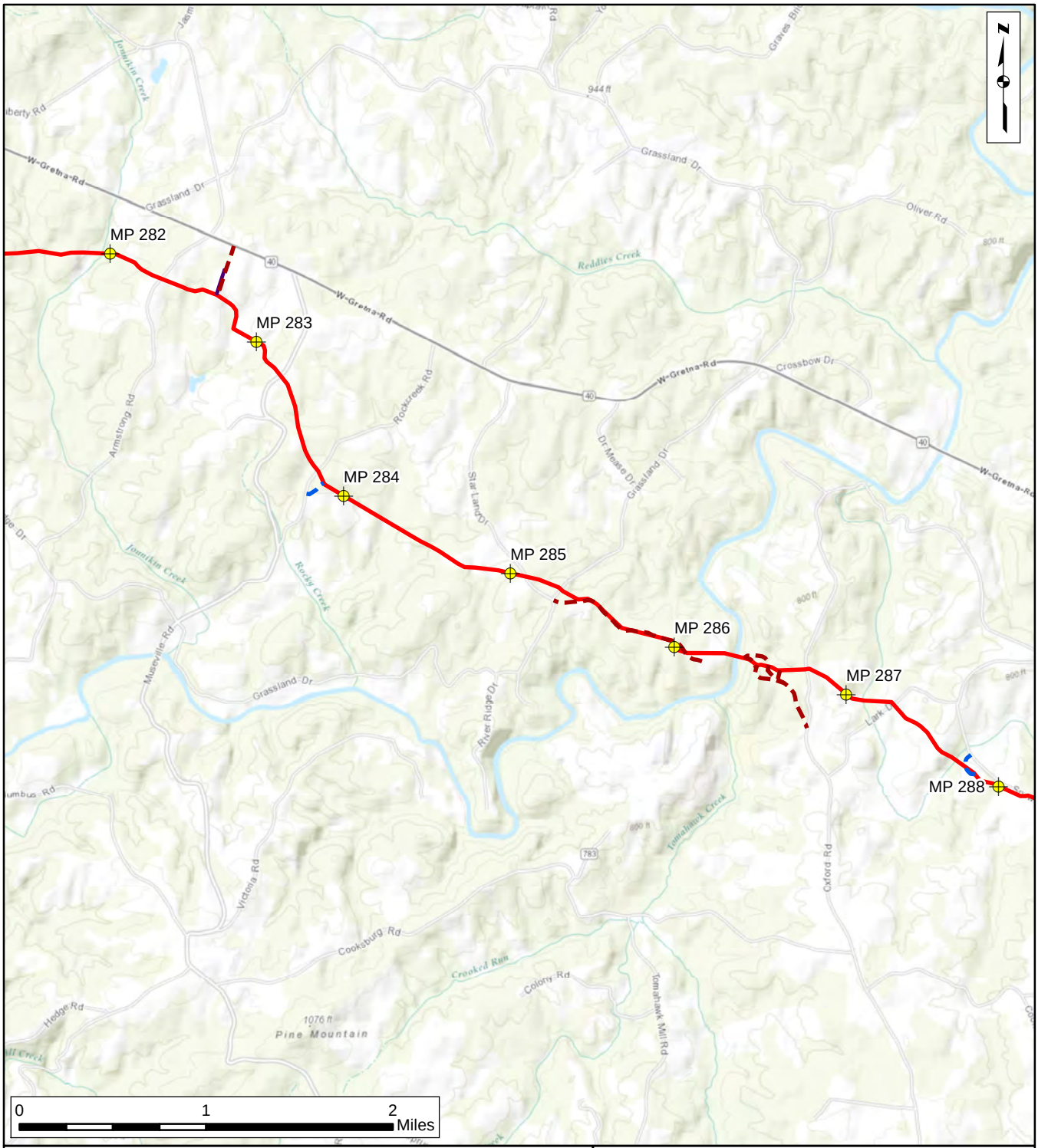

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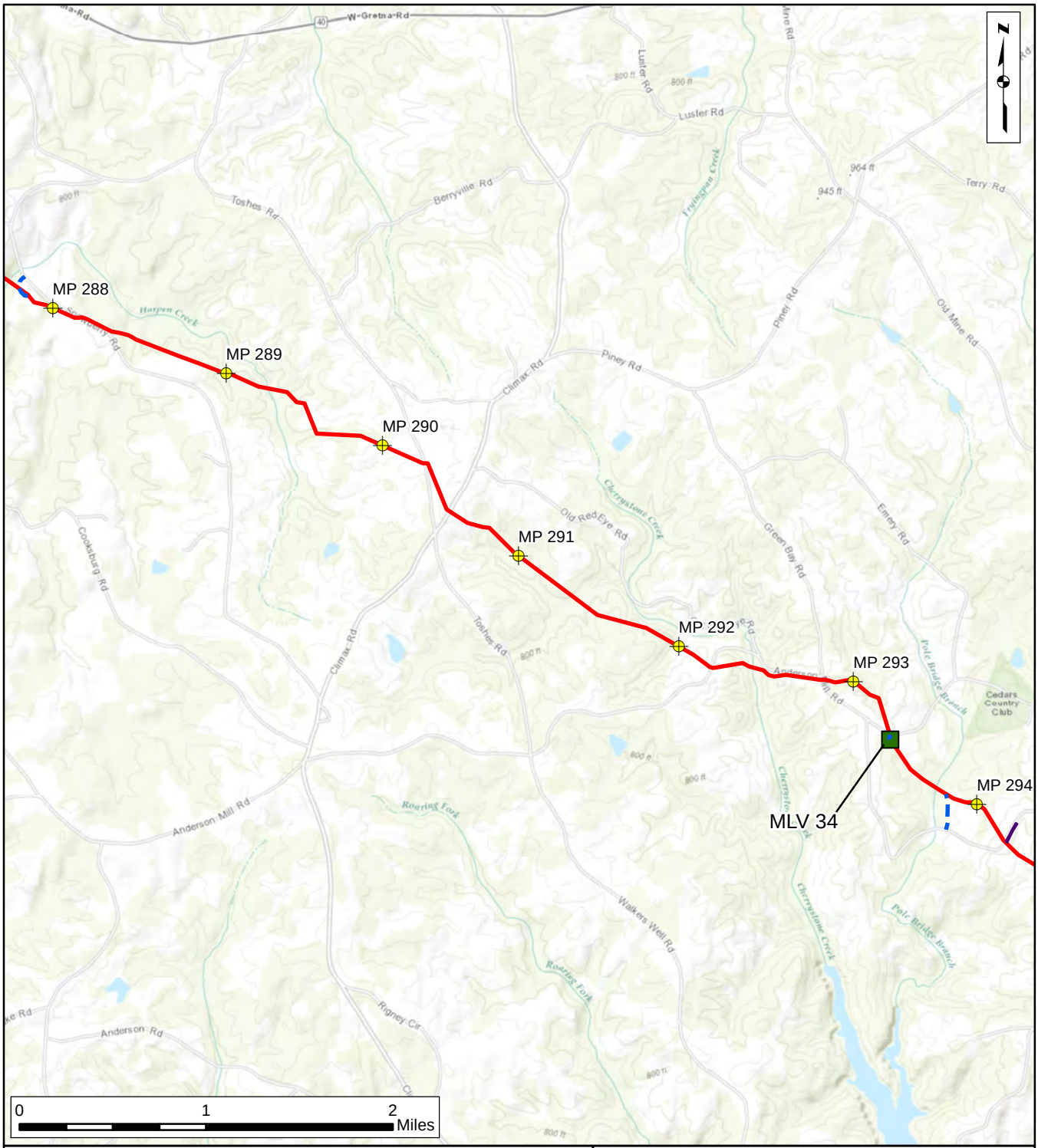

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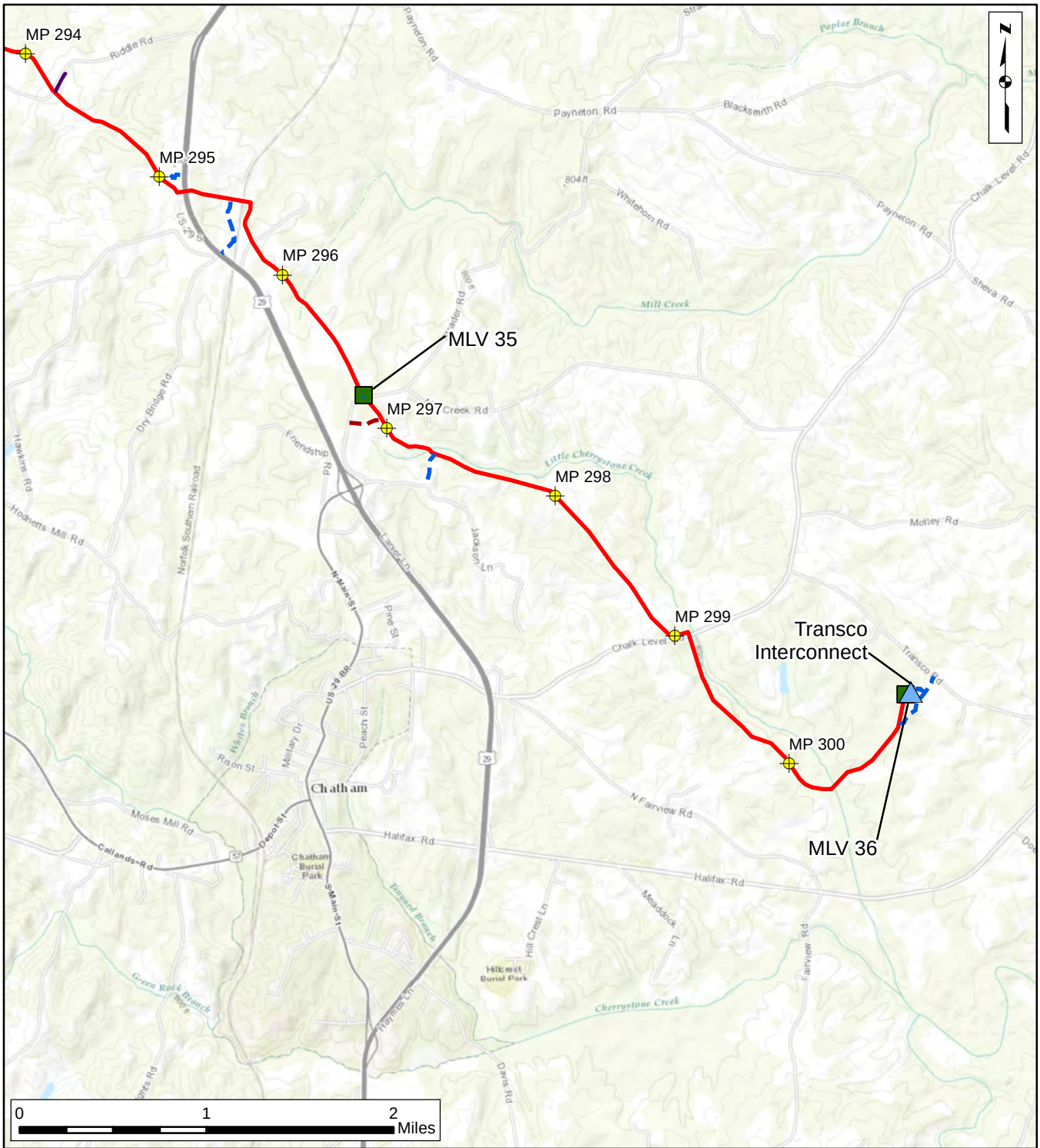

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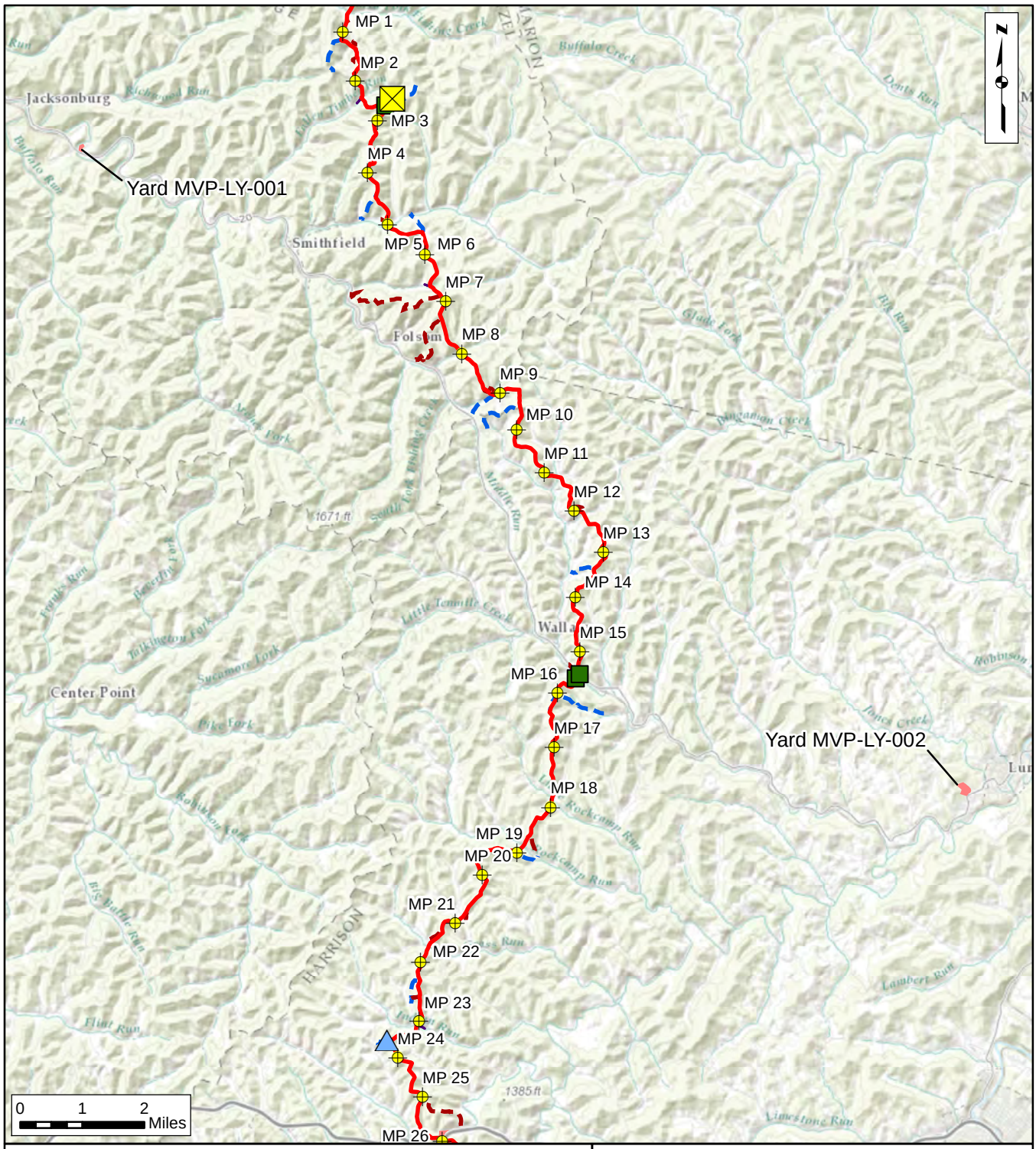

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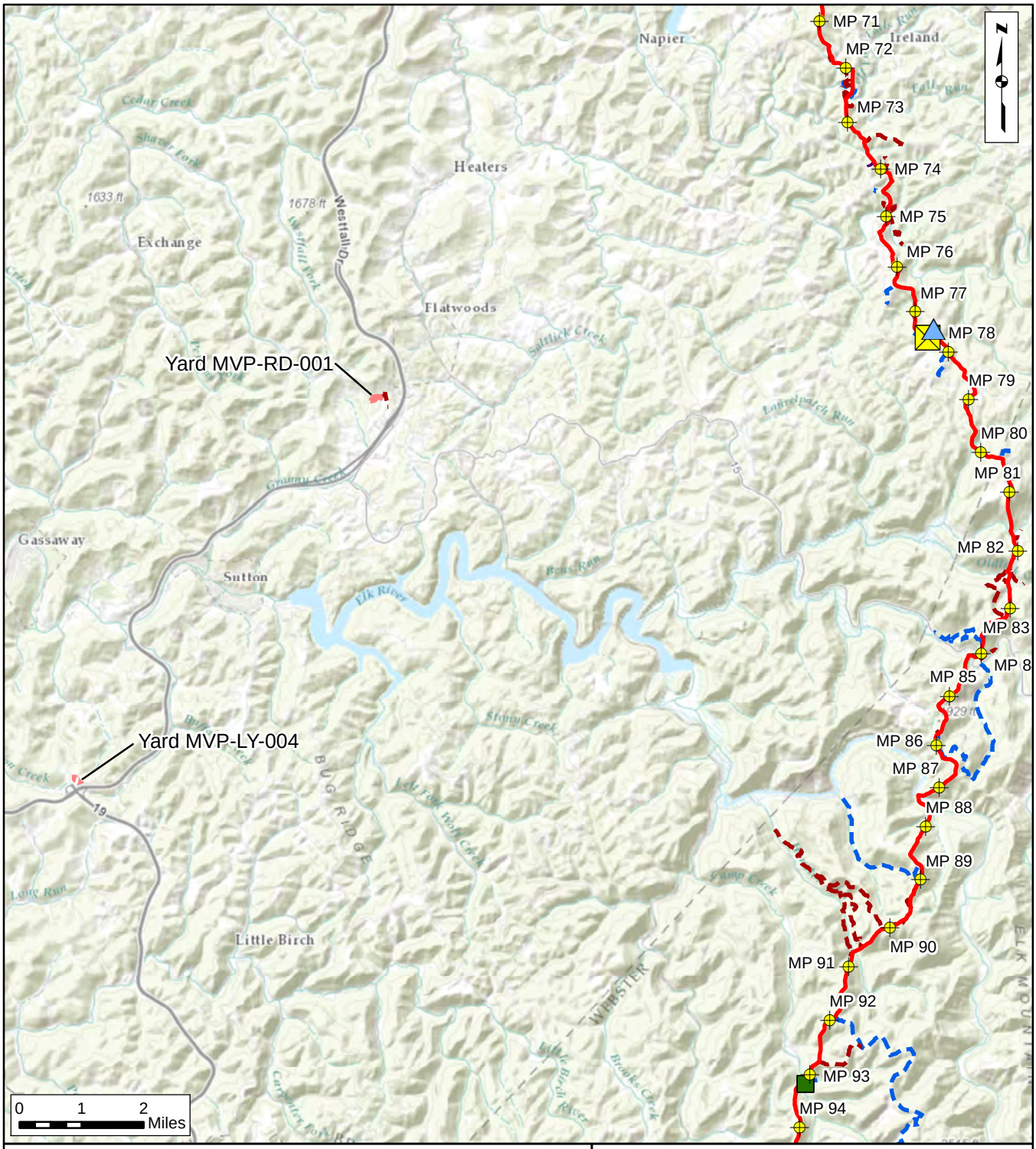

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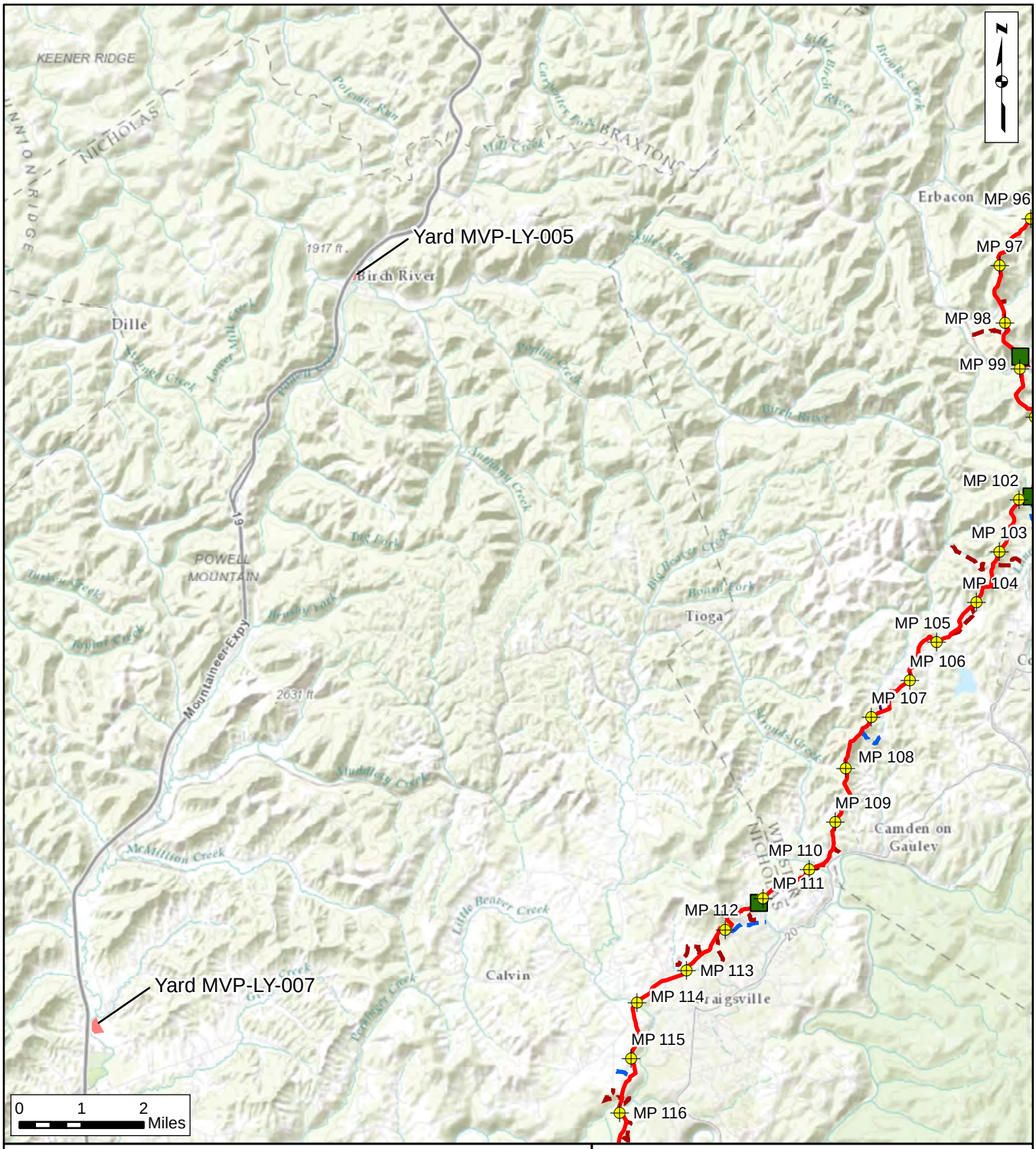

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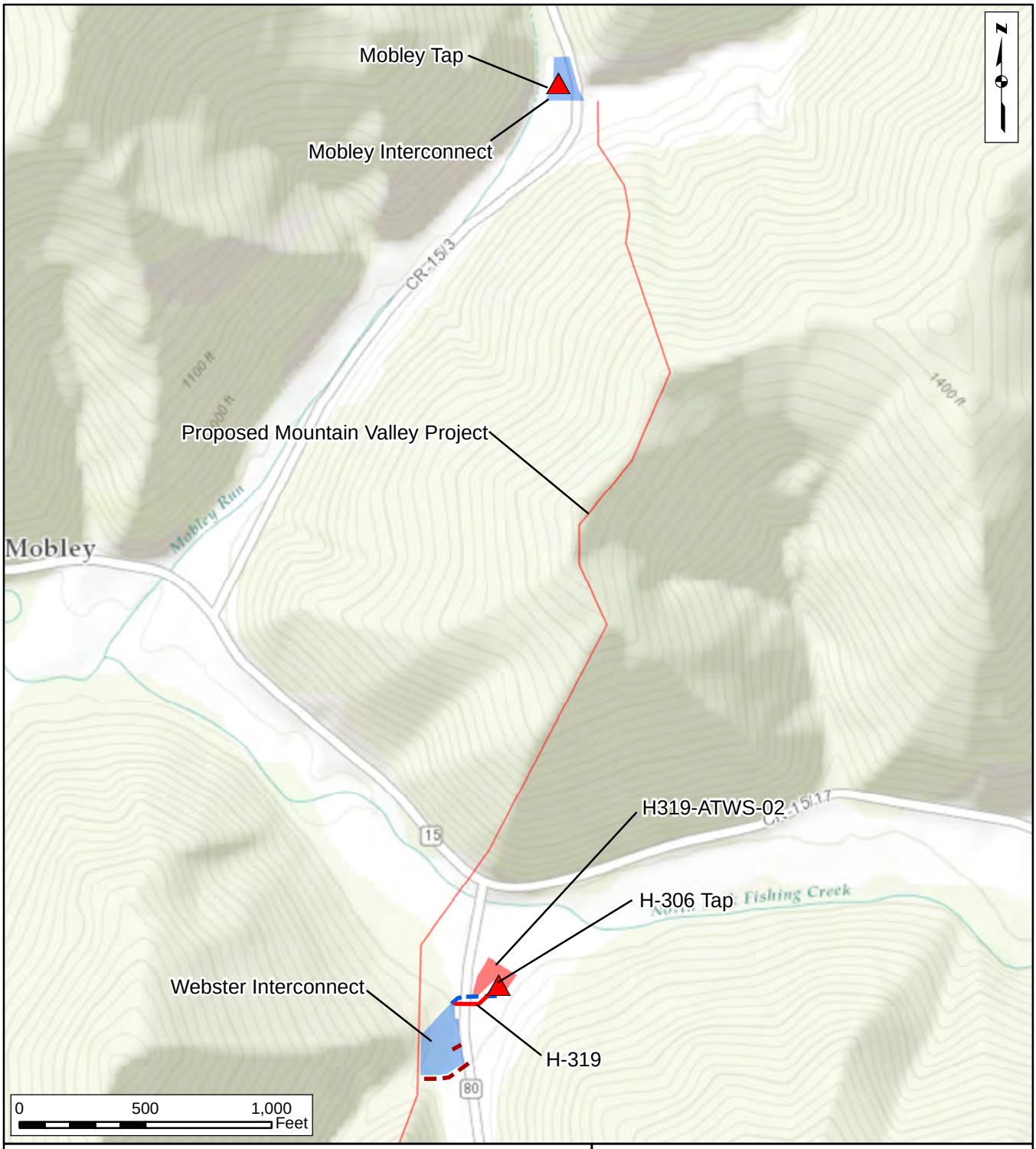

Milepost
Proposed Pipeline Route
Interconnect
Proposed Compressor Station Locations
Gas Tap
Mainline Valve
Permanent Access Road
Temporary Access Road
Yard

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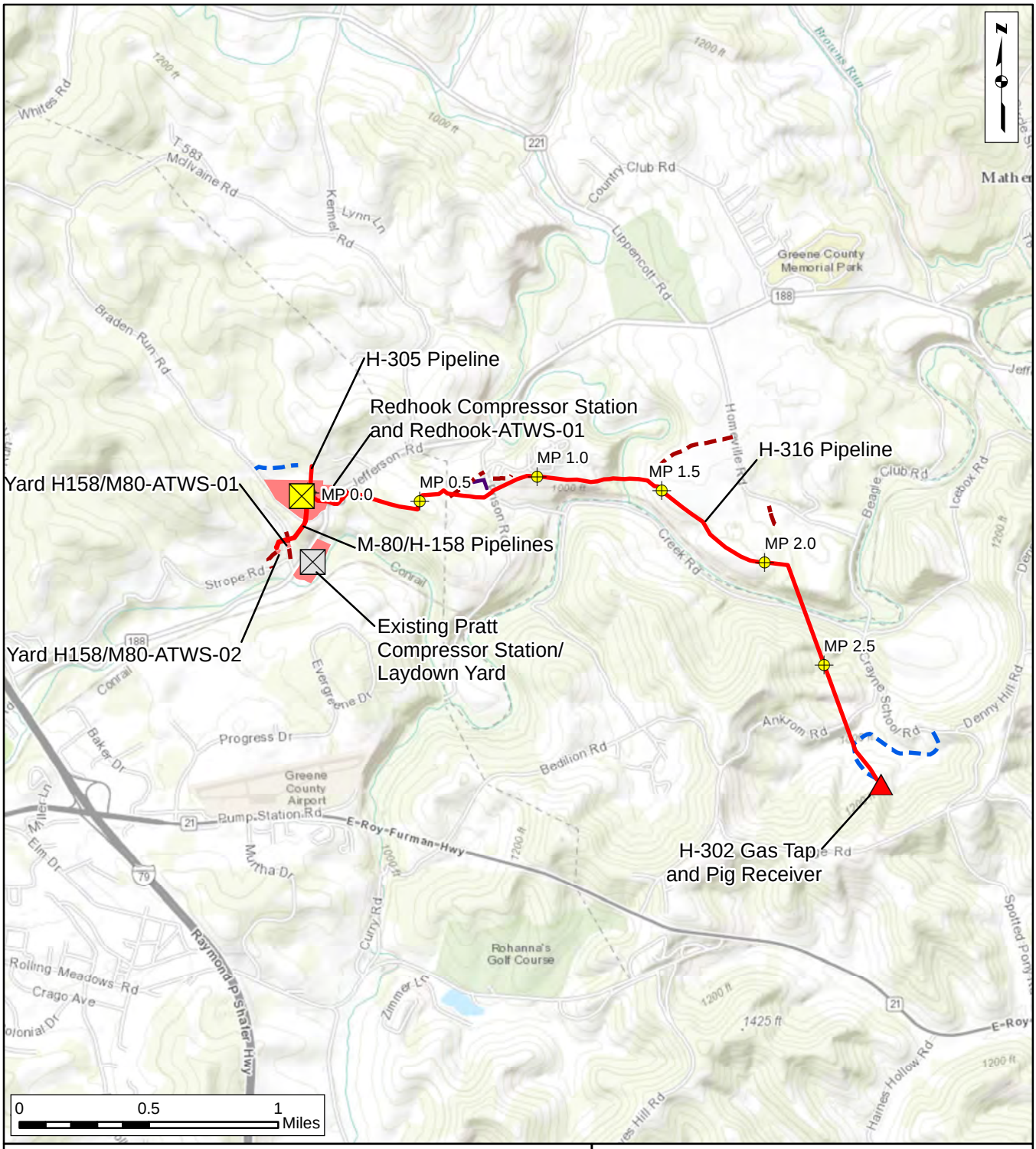
Mountain Valley & Equitrans Expansion Projects

Project Overview Map



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Mountain Valley & Equitrans Expansion Projects

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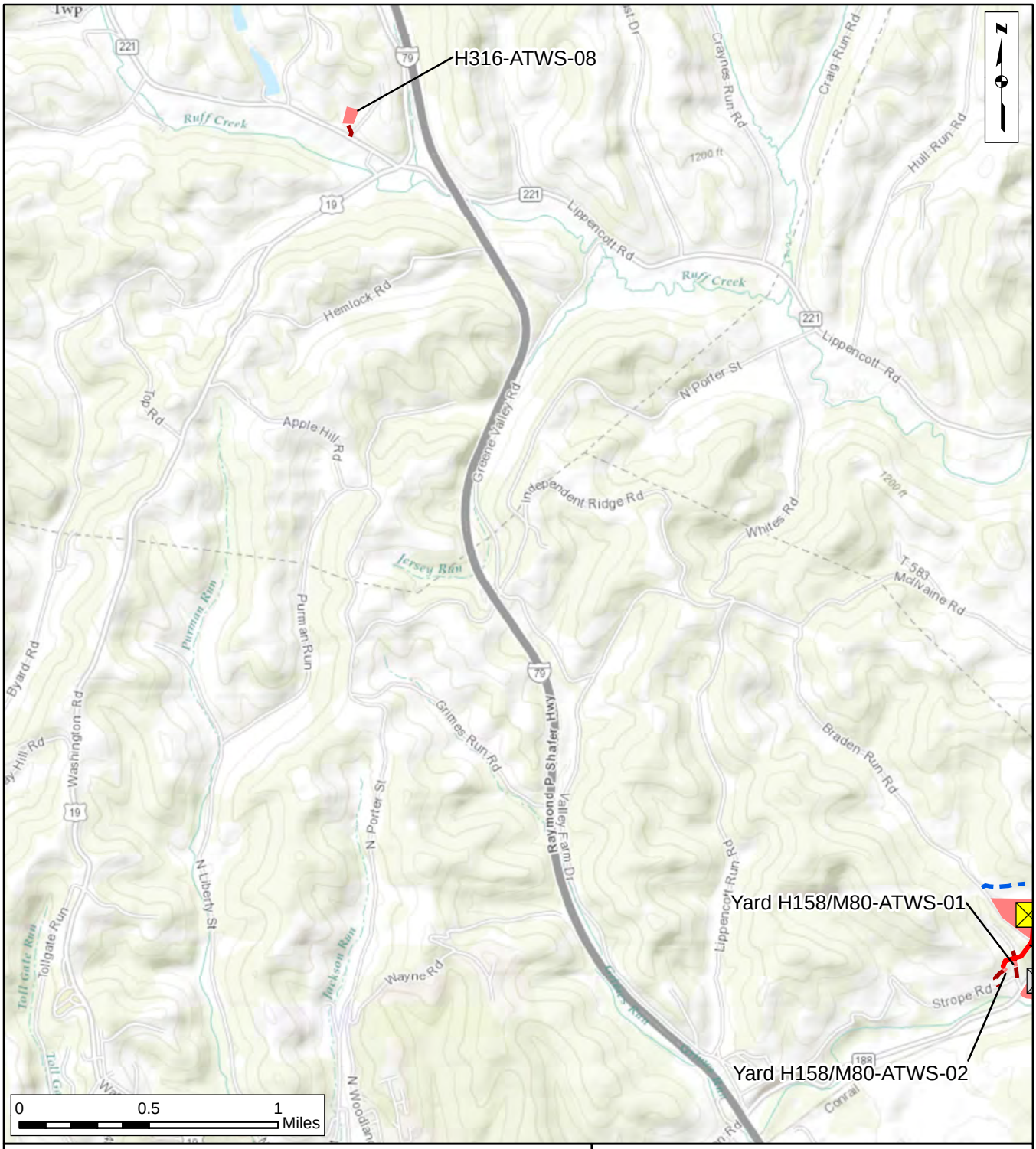

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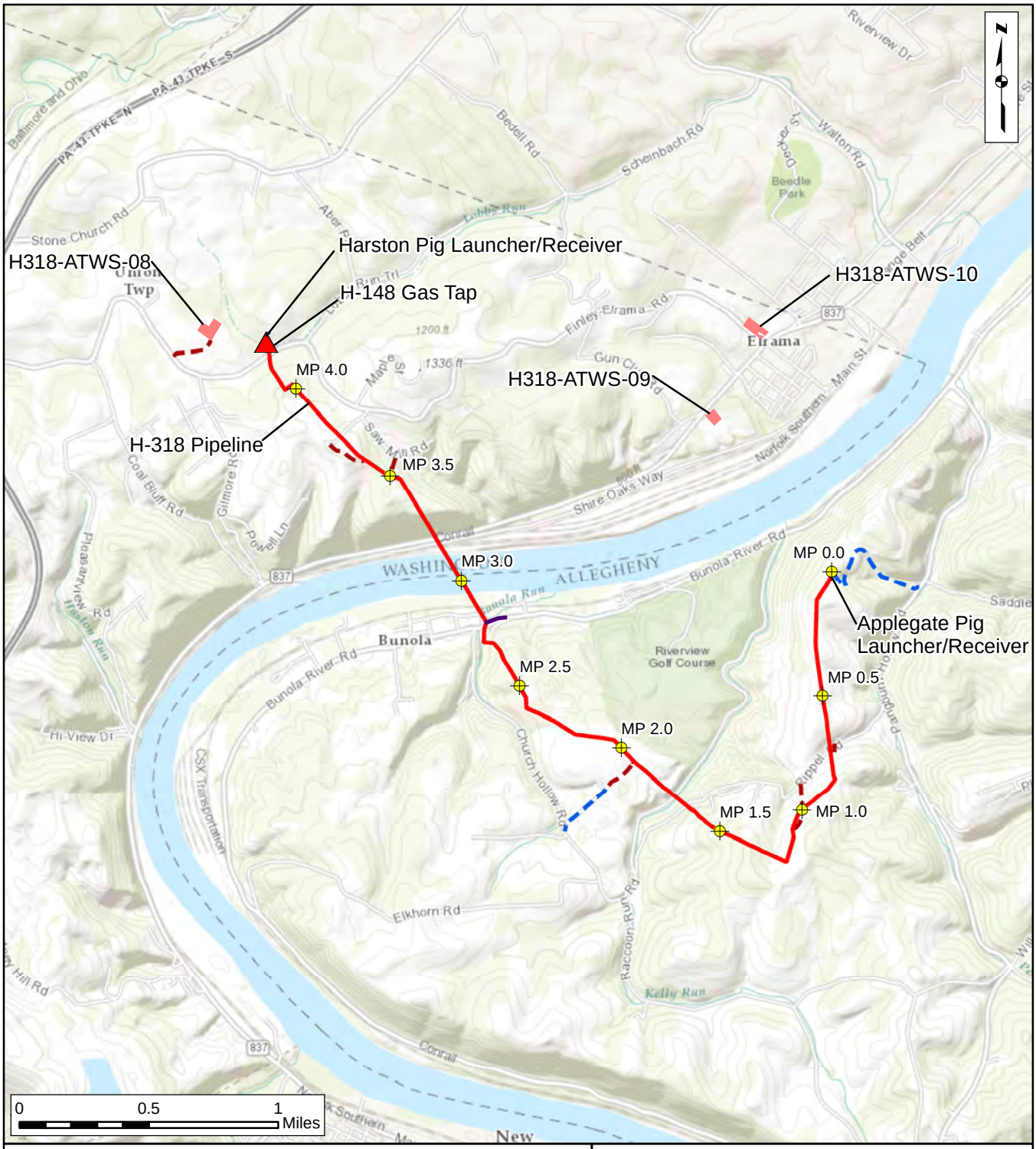

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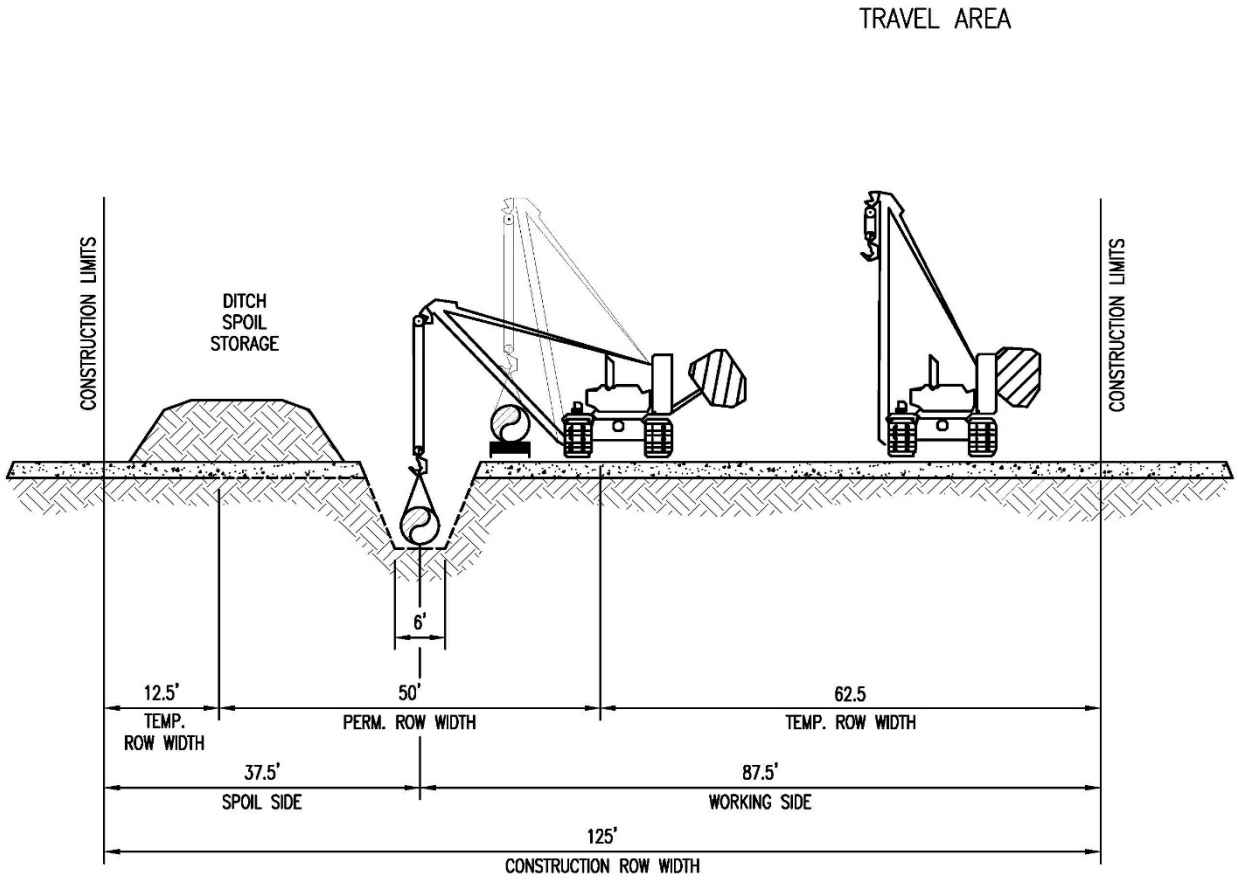
APPENDIX C

Typical Right-of-Way Configurations

APPENDIX C-1

Typical Right-of-Way Configurations

Mountain Valley Project

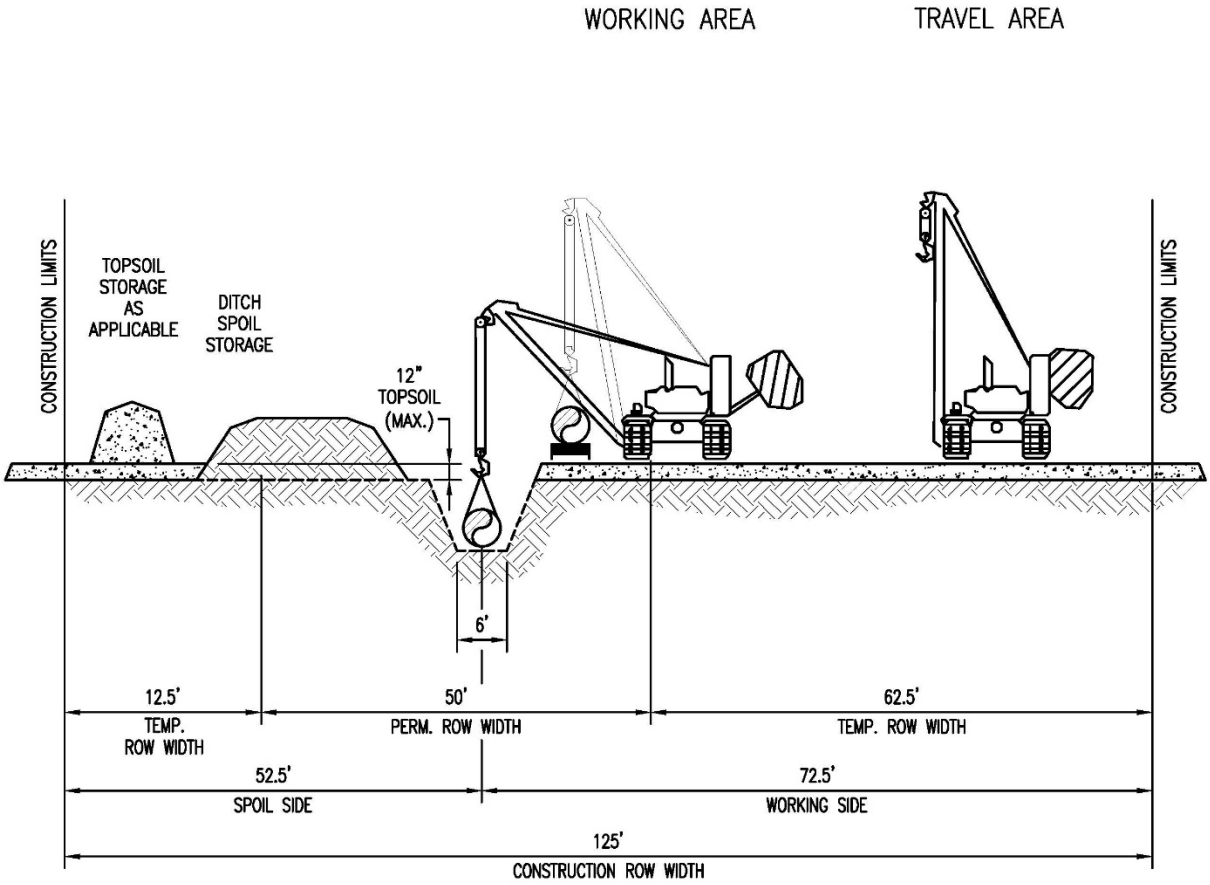


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-1
Mountain Valley Project
Mainline Construction
Non-Parallel Construction
No Topsoil Segregation



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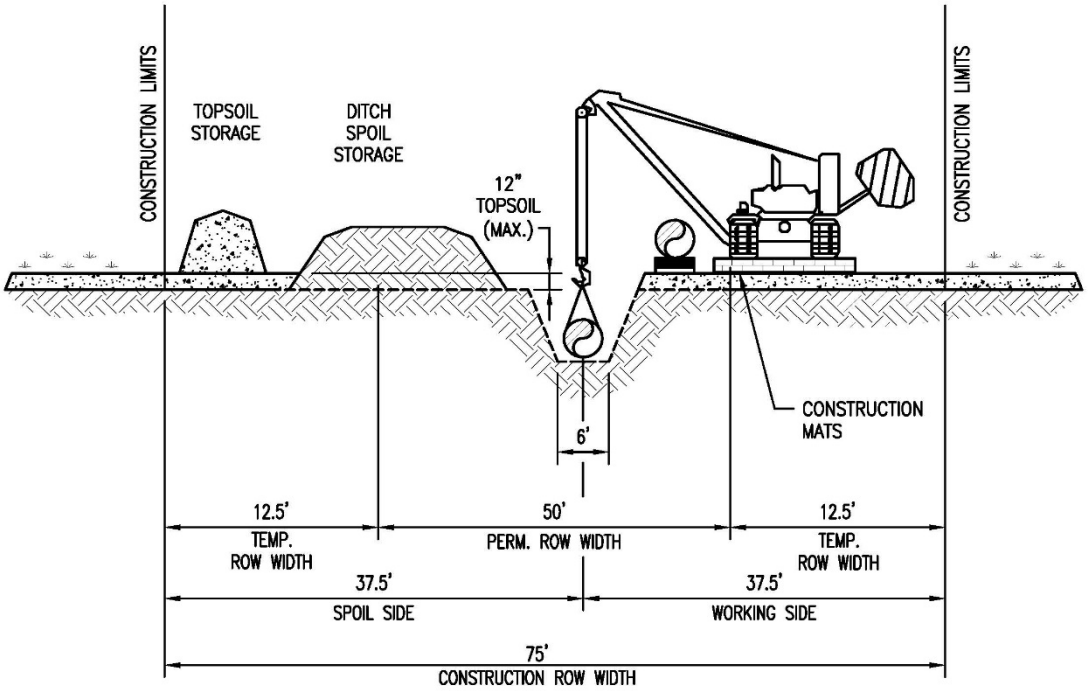
DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-2
Mountain Valley Project
Mainline Construction
Non-Parallel Construction
With Topsoil Segregation



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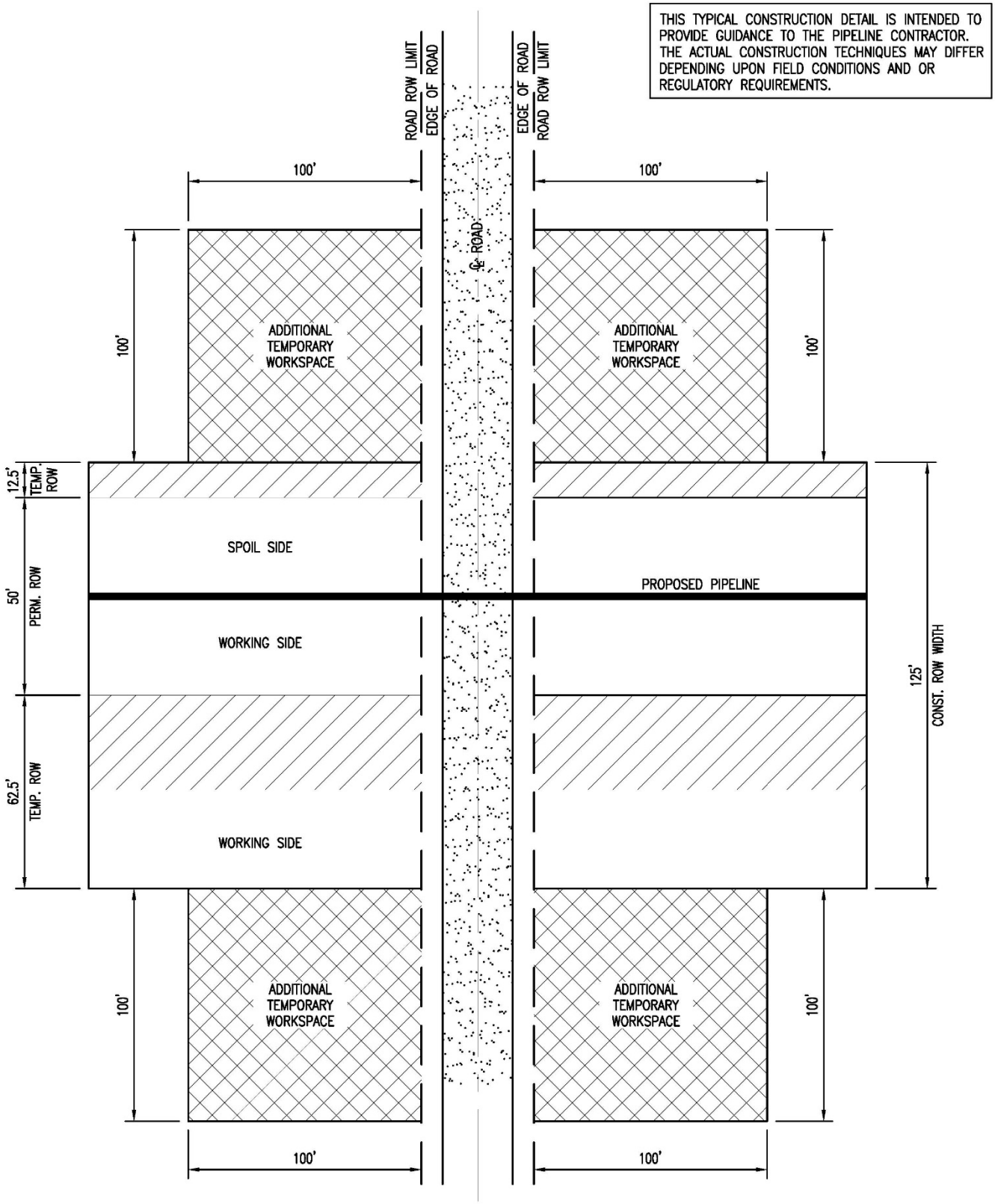
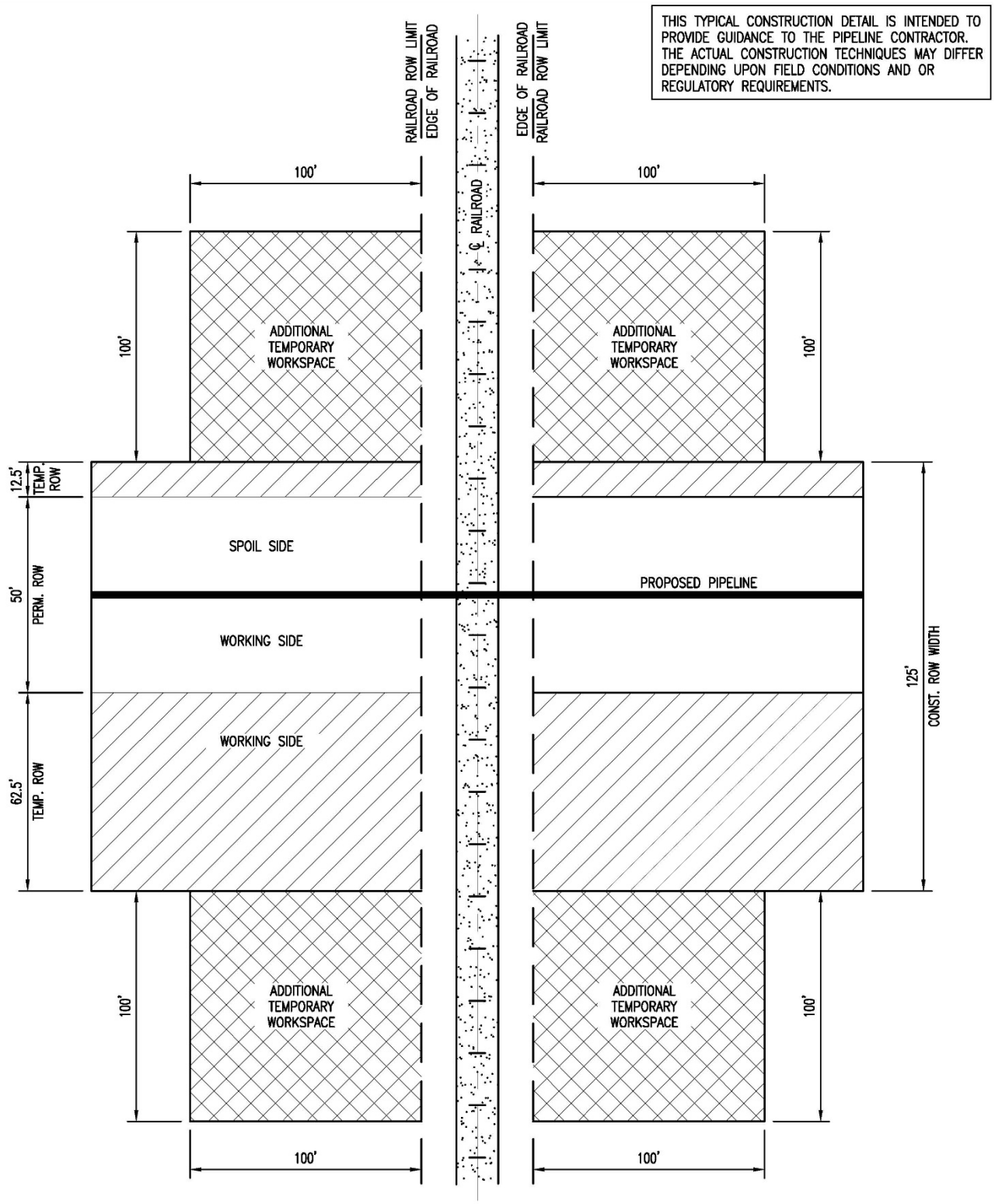
Source: Mountain Valley's FERC Application

C1-3
Mountain Valley Project
Mainline Construction
Non-Parallel Construction
Working Area Non-Saturated Wetland



Source: Mountain Valley's FERC Application

C1-4
Mountain Valley Project
Mainline Construction
Road Crossing Bored
Typical



Source: Mountain Valley's FERC Application

C1-5
Mountain Valley Project
Mainline Construction
Railroad Crossing Bored

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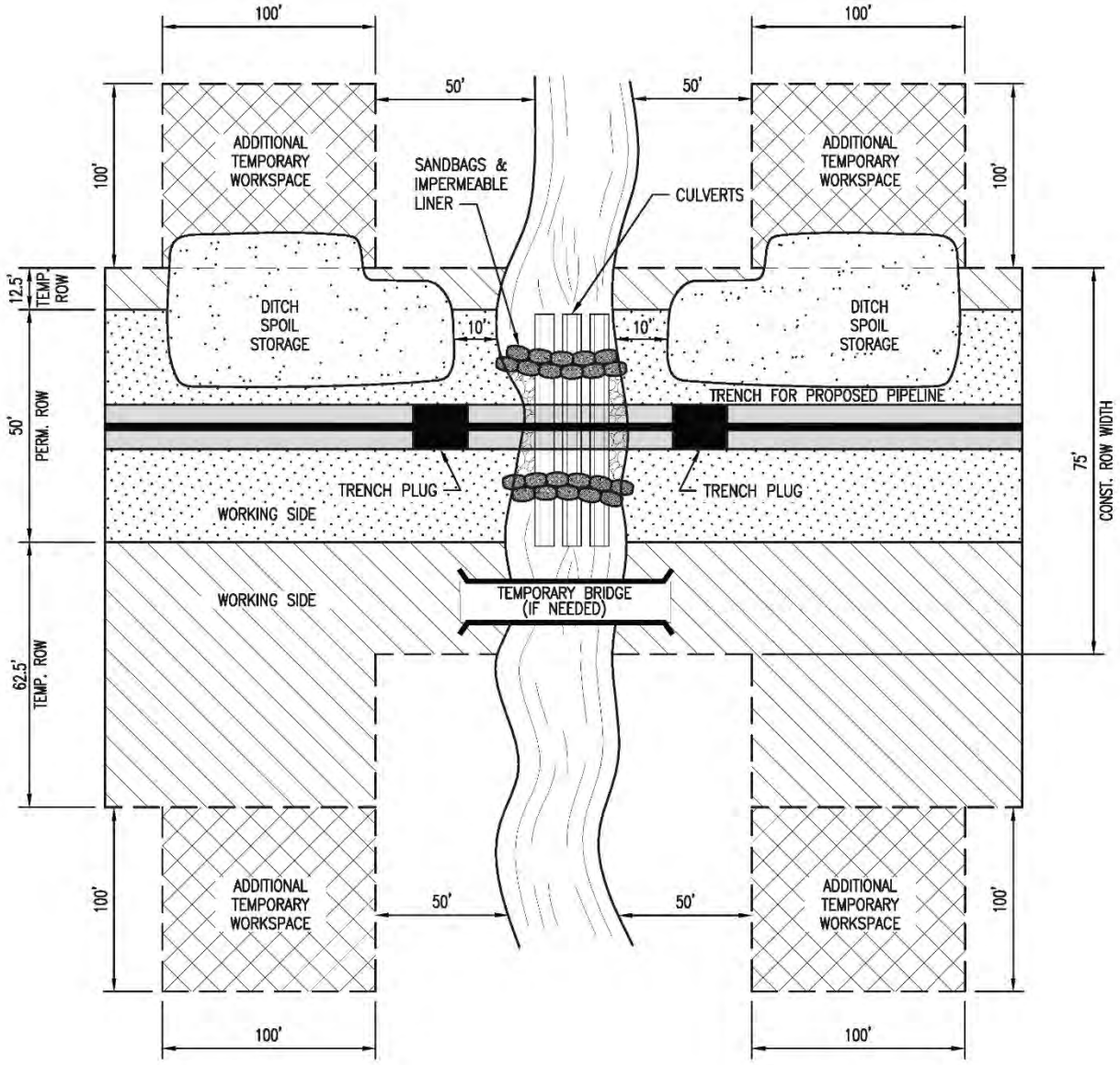
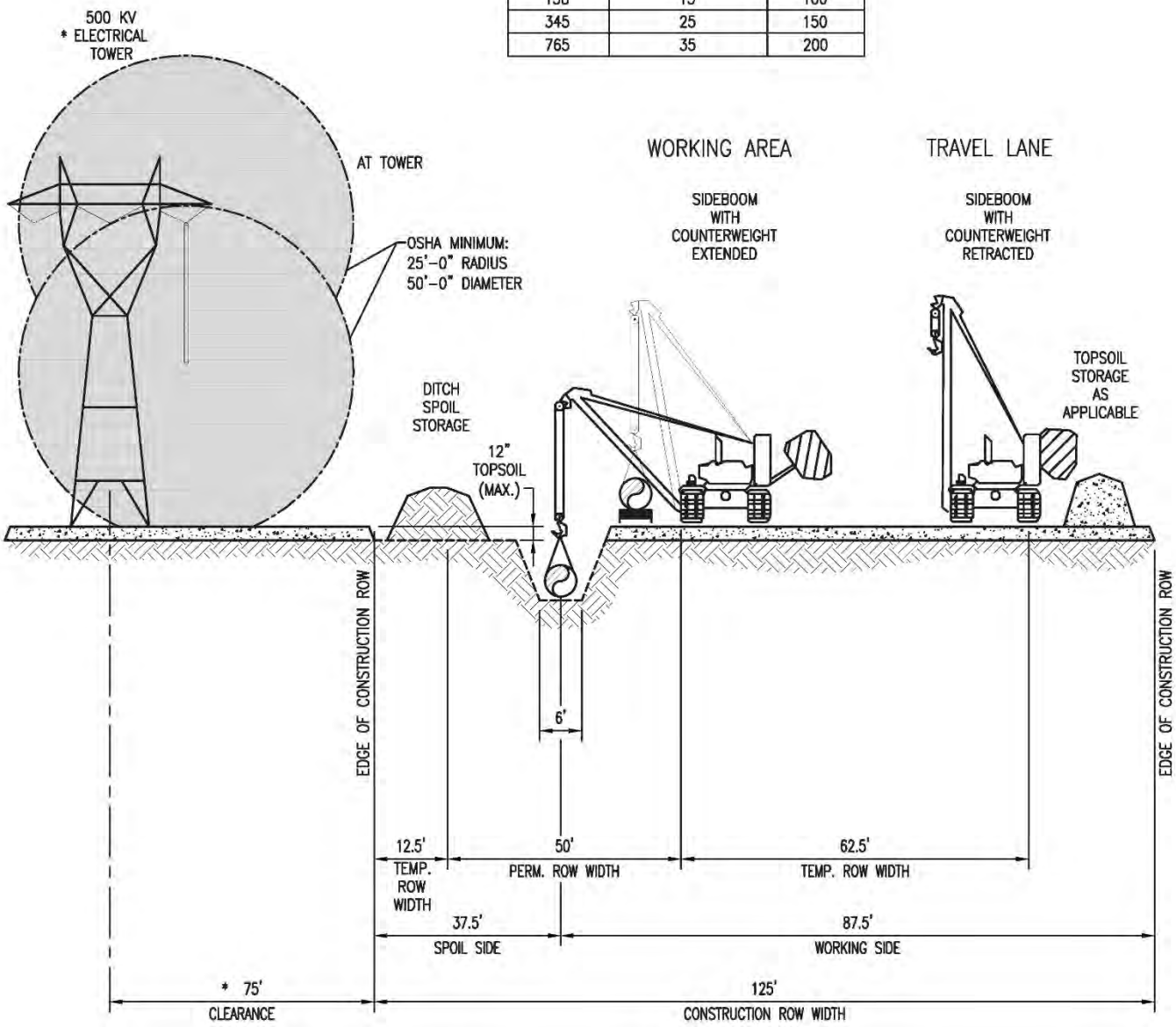


Source: Mountain Valley's FERC Application

C1-6
Mountain Valley Project
Mainline Construction
Waterbody Crossing
Open Cut - Flume

POWER LINE VOLTAGE KV	MINIMUM ALLOWABLE APPROACH DISTANCE FEET	TYPICAL ROW WIDTH FEET
34	10	50
69	12	70
138	15	100
345	25	150
765	35	200



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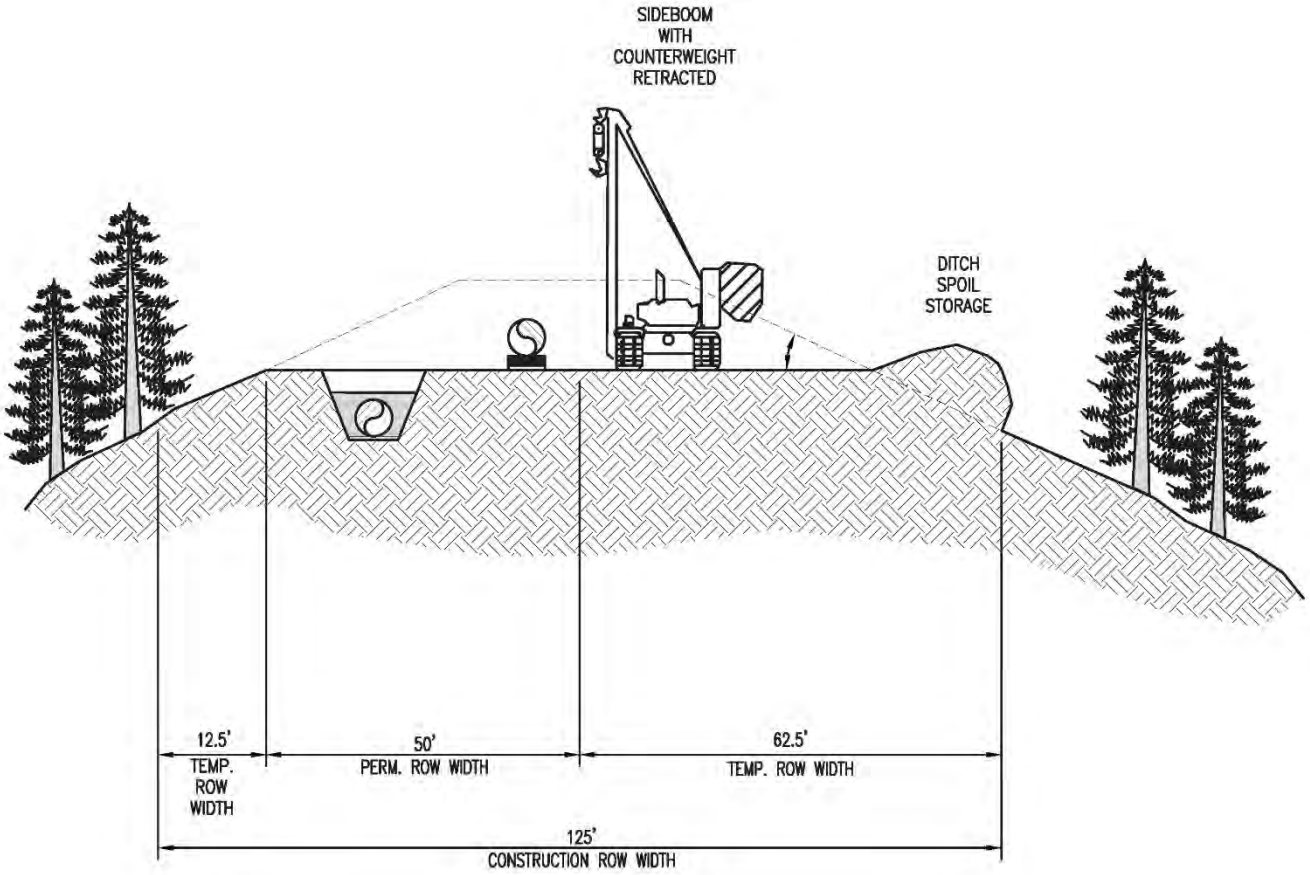
* SEE TABLE AT TOP OF PAGE

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-7
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way



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DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-8
Mountain Valley Project
Mainline Construction
Typical Cross Section
For Large Diameter Pipe
Ridge

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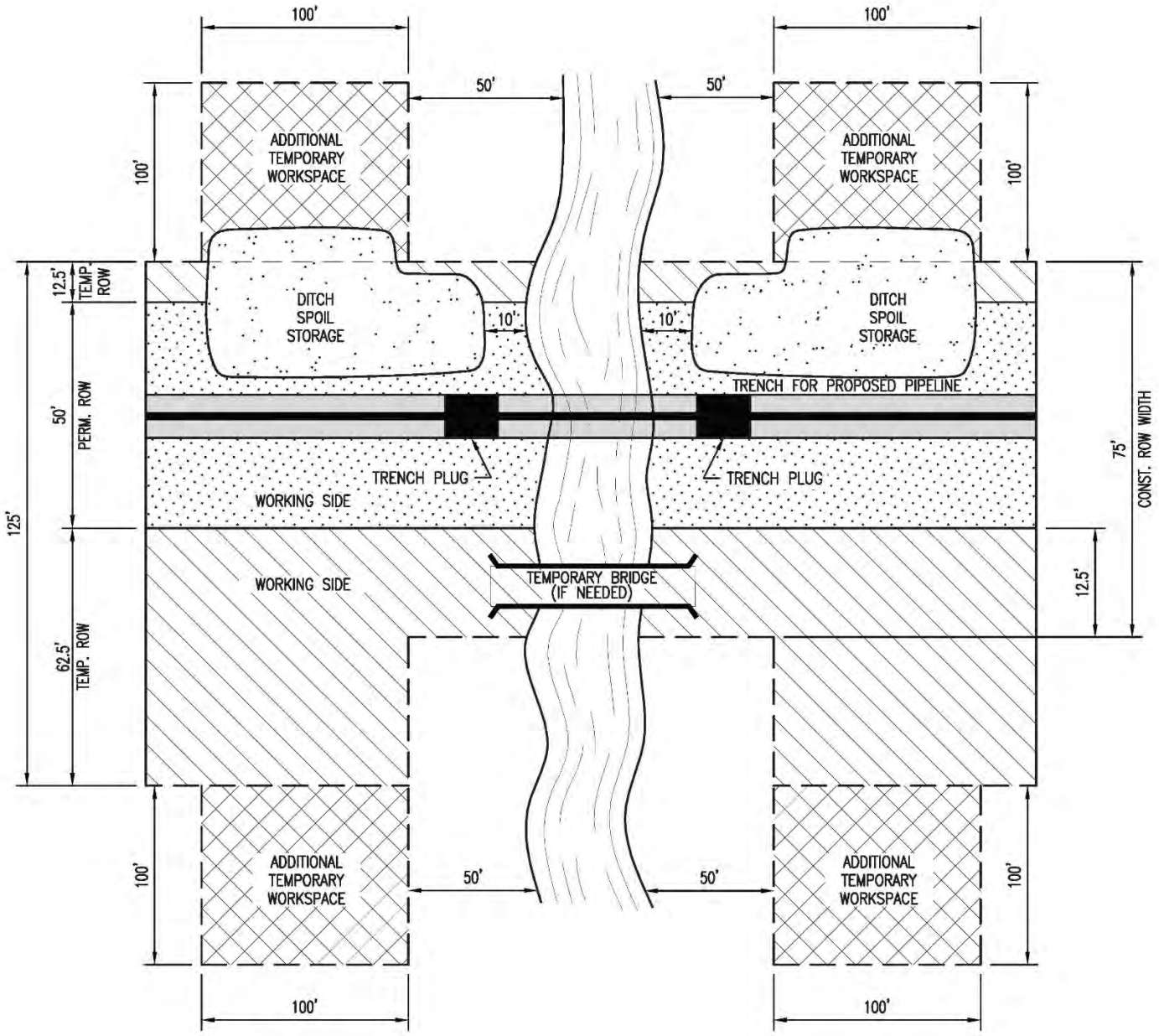
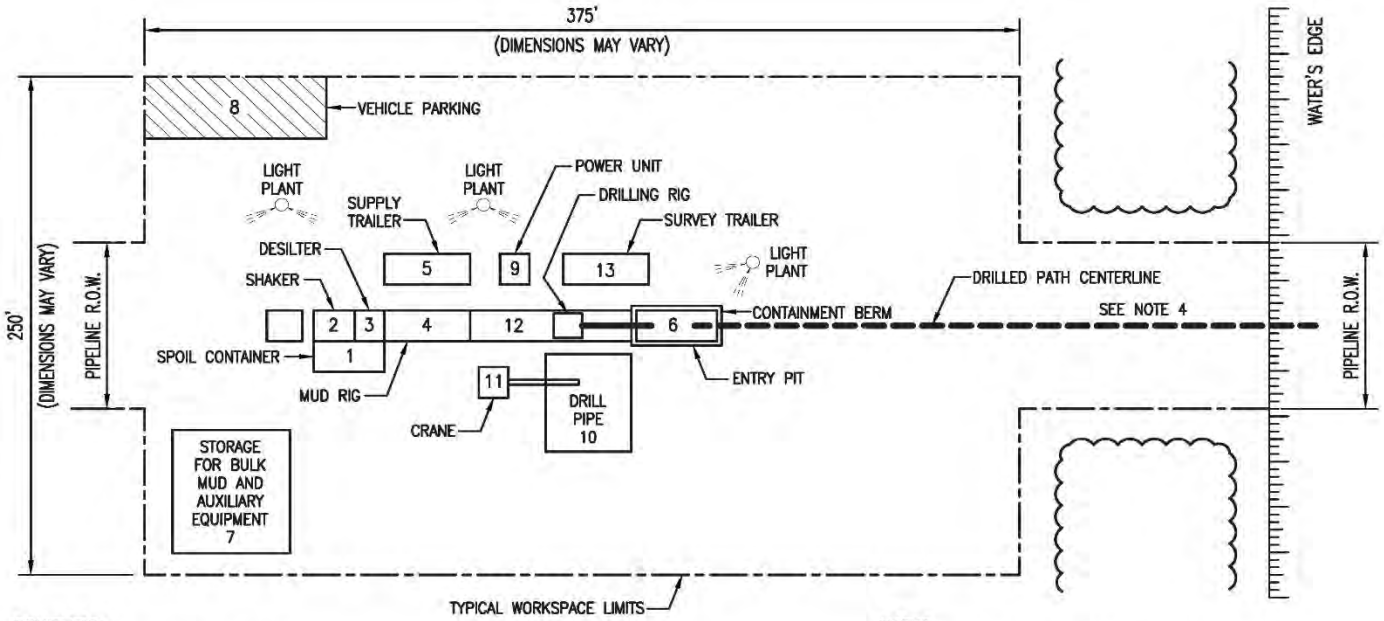


Source: Mountain Valley's FERC Application

C1-9
Mountain Valley Project
Mainline Construction
Waterbody Crossing
Open Cut – Wet Ditch
Right-of-Way



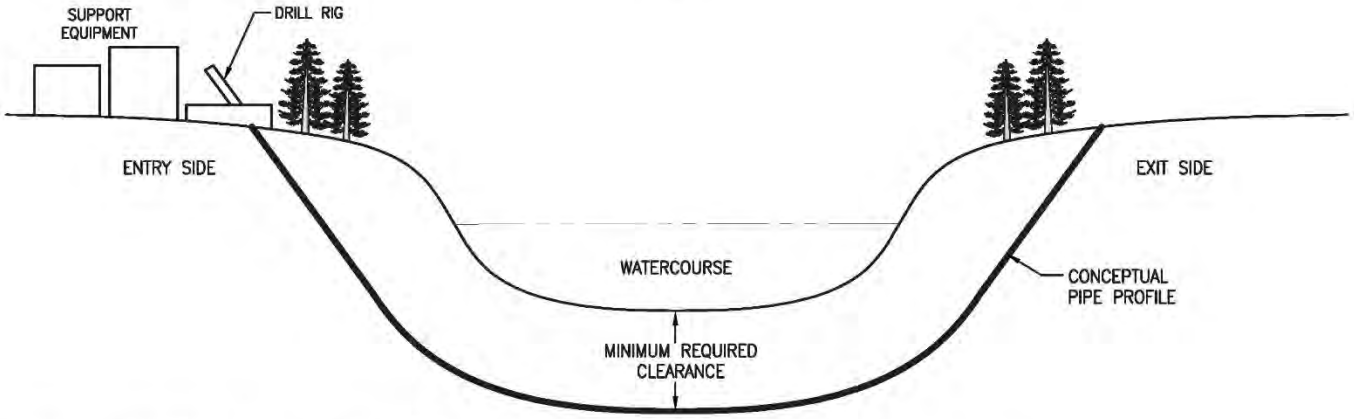
EQUIPMENT:

1. SPOIL CONTAINER: 8' X 20'
2. SHAKER: 8' X 12'
3. DESILTER: 8' X 8'
4. MUD RIG: 8' X 25'
5. SUPPLY TRAILER: 8' X 25'
6. ENTRY PIT: 8' X 20'
7. STORAGE: 30' X 30'
8. VEHICLE PARKING: 15' X 50'
9. POWER UNIT: 8' X 10'
10. DRILL PIPE: 30' X 30'
11. CRANE: 8' X 8'
12. DRILLING RIG: 8' X 45'
13. SURVEY TRAILER: 8' X 25'

NOTES:

1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE.
3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

ENTRY SITE PLAN
SCALE: N.T.S.



THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

PROFILE
SCALE: N.T.S.

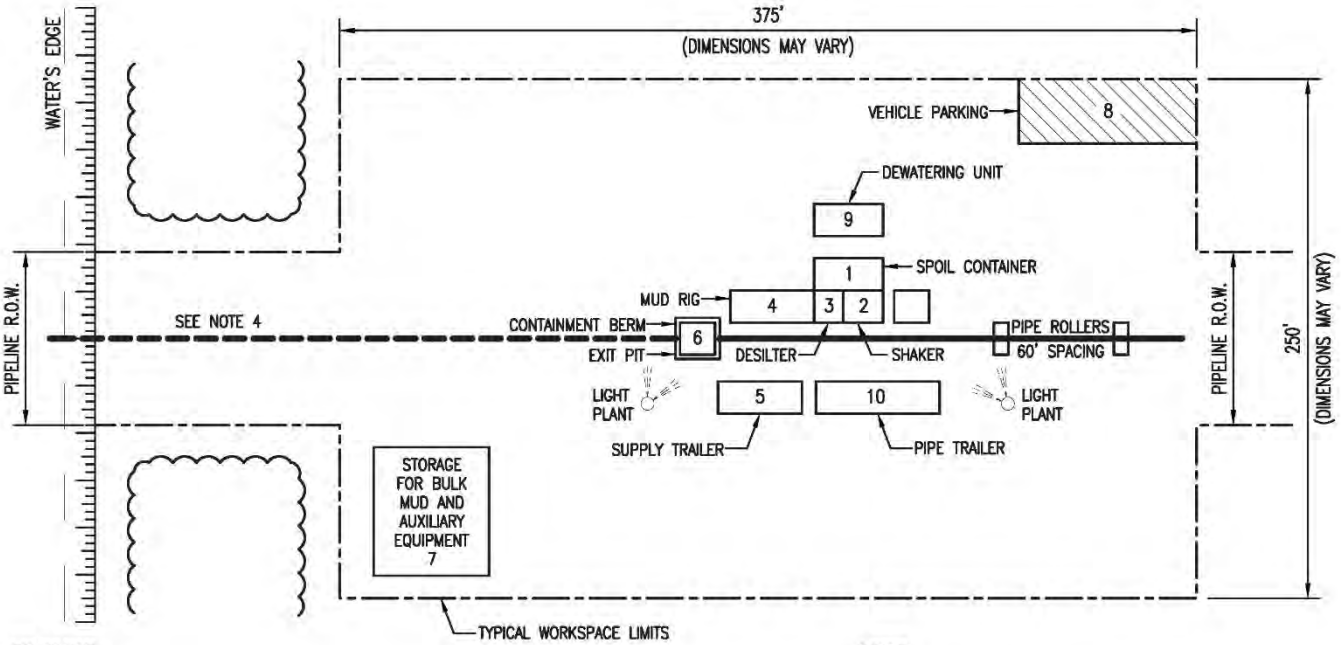
GENERAL NOTES:

1. PIPE DEPTHS MAY VARY.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-10
Mountain Valley Project
Mainline Construction
Typical Directional Drill
Entry Site Plan & Profile



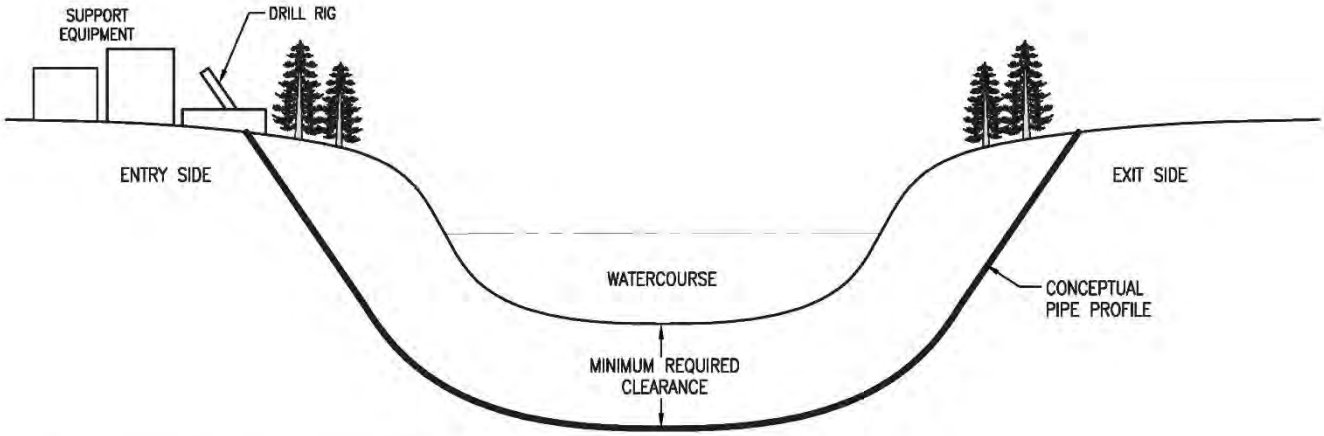
EQUIPMENT:

1. SPOIL CONTAINER: 8' X 20'
2. SHAKER: 8' X 12'
3. DESILTER: 8' X 8'
4. MUD RIG: 8' X 25'
5. SUPPLY TRAILER: 8' X 25'
6. EXIT PIT: 8' X 10'
7. STORAGE: 30' X 30'
8. VEHICLE PARKING: 15' X 50'
9. DEWATERING UNIT: 8' X 20'
10. PIPE TRAILER: 8' X 40'

NOTES:

1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE.
3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

EXIT SITE PLAN
SCALE: N.T.S.



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PROFILE
SCALE: N.T.S.

GENERAL NOTES:

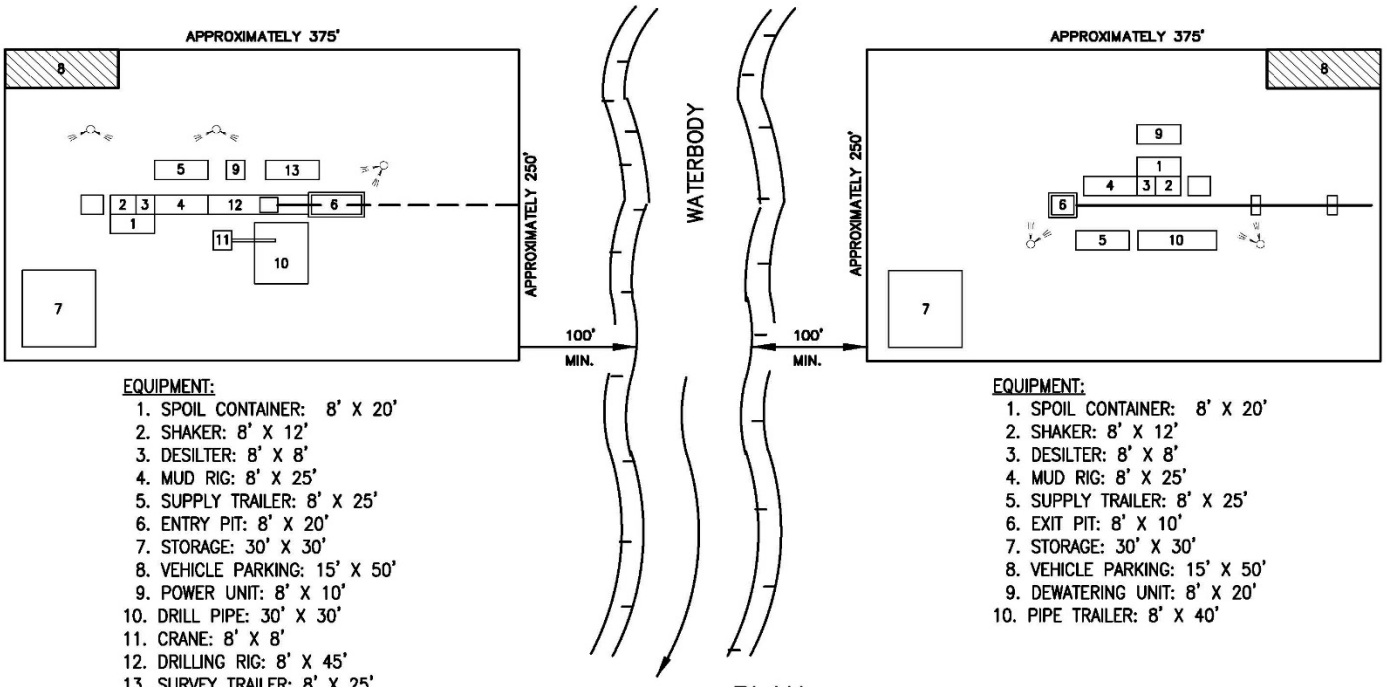
1. PIPE DEPTHS MAY VARY.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-11
Mountain Valley Project
Mainline Construction
Typical Directional Drill
Exit Site Plan & Profile

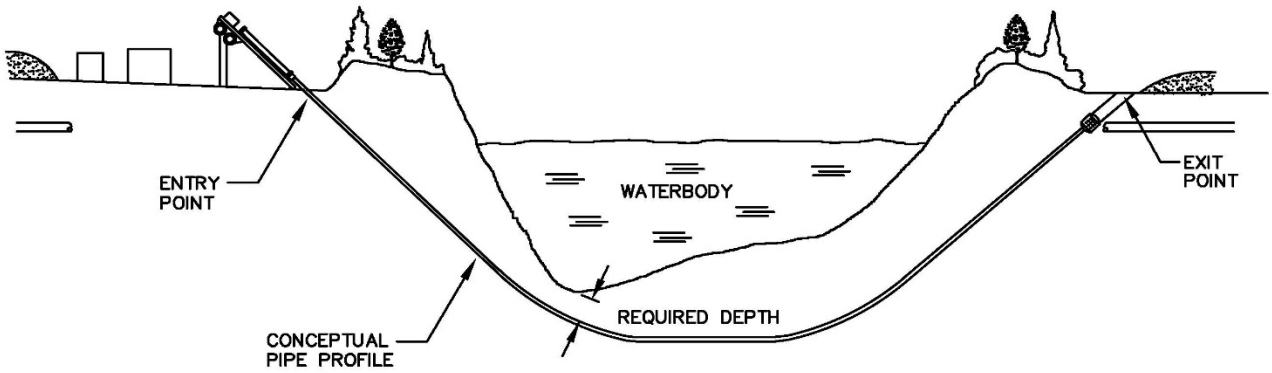
HORIZONTAL DIRECTIONAL DRILL METHOD 7



EQUIPMENT:
1. SPOIL CONTAINER: 8' X 20'
2. SHAKER: 8' X 12'
3. DESILTER: 8' X 8'
4. MUD RIG: 8' X 25'
5. SUPPLY TRAILER: 8' X 25'
6. ENTRY PIT: 8' X 20'
7. STORAGE: 30' X 30'
8. VEHICLE PARKING: 15' X 50'
9. POWER UNIT: 8' X 10'
10. DRILL PIPE: 30' X 30'
11. CRANE: 8' X 8'
12. DRILLING RIG: 8' X 45'
13. SURVEY TRAILER: 8' X 25'

EQUIPMENT:
1. SPOIL CONTAINER: 8' X 20'
2. SHAKER: 8' X 12'
3. DESILTER: 8' X 8'
4. MUD RIG: 8' X 25'
5. SUPPLY TRAILER: 8' X 25'
6. EXIT PIT: 8' X 10'
7. STORAGE: 30' X 30'
8. VEHICLE PARKING: 15' X 50'
9. DEWATERING UNIT: 8' X 20'
10. PIPE TRAILER: 8' X 40'

PLAN



PROFILE

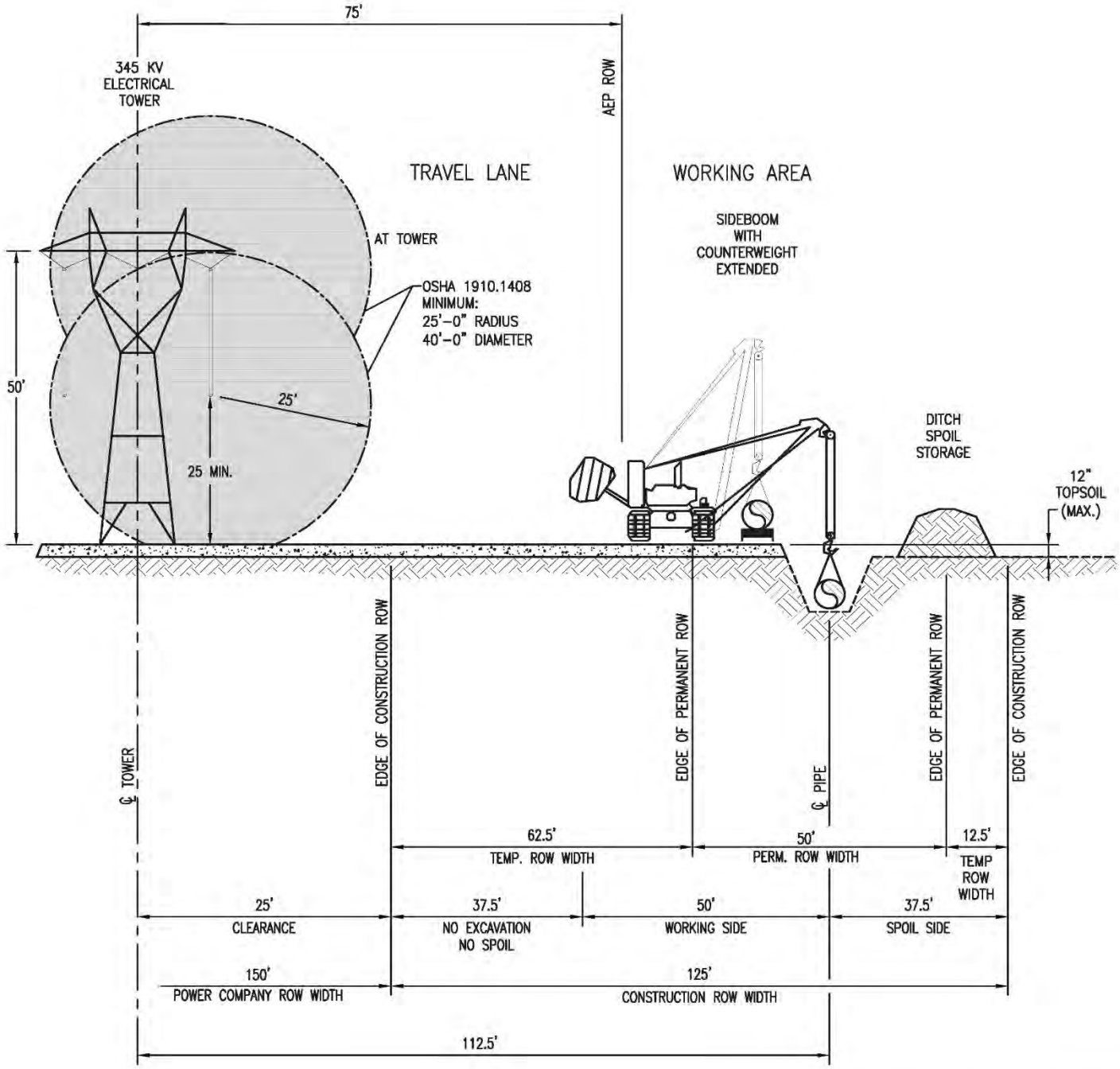
NOTES:

1. SET UP DRILLING EQUIPMENT A MINIMUM OF 100 FEET FROM THE EDGE OF THE WATERCOURSE. DO NOT CLEAR OR GRADE WITHIN THE 100 FOOT ZONE.
2. ENSURE THAT ONLY BENTONITE BASED DRILLING MUD IS USED. DO NOT ALLOW THE USE OF ANY ADDITIVES TO THE DRILLING MUD WITHOUT THE APPROVAL OF COMPANY INSPECTOR.
3. INSTALL SUITABLE DRILLING MUD TANKS OR SUMPS TO PREVENT CONTAMINATION OF WATERCOURSE.
4. INSTALL BERMS DOWNSLOPE FROM THE DRILL ENTRY AND ANTICIPATED EXIT POINTS TO CONTAIN ANY RELEASE OF DRILLING MUD.
5. DISPOSE OF DRILLING MUD IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AUTHORITY REQUIREMENTS.
6. A SEDIMENT BARRIER SHALL BE PLACED ON THE DOWN SLOPE SIDE OF RIGHT-OF-WAY, PER THE PROJECT NARRATIVE.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Source: Mountain Valley's FERC Application

C1-12
Mountain Valley Project
Horizontal Directional Drill (HDD)



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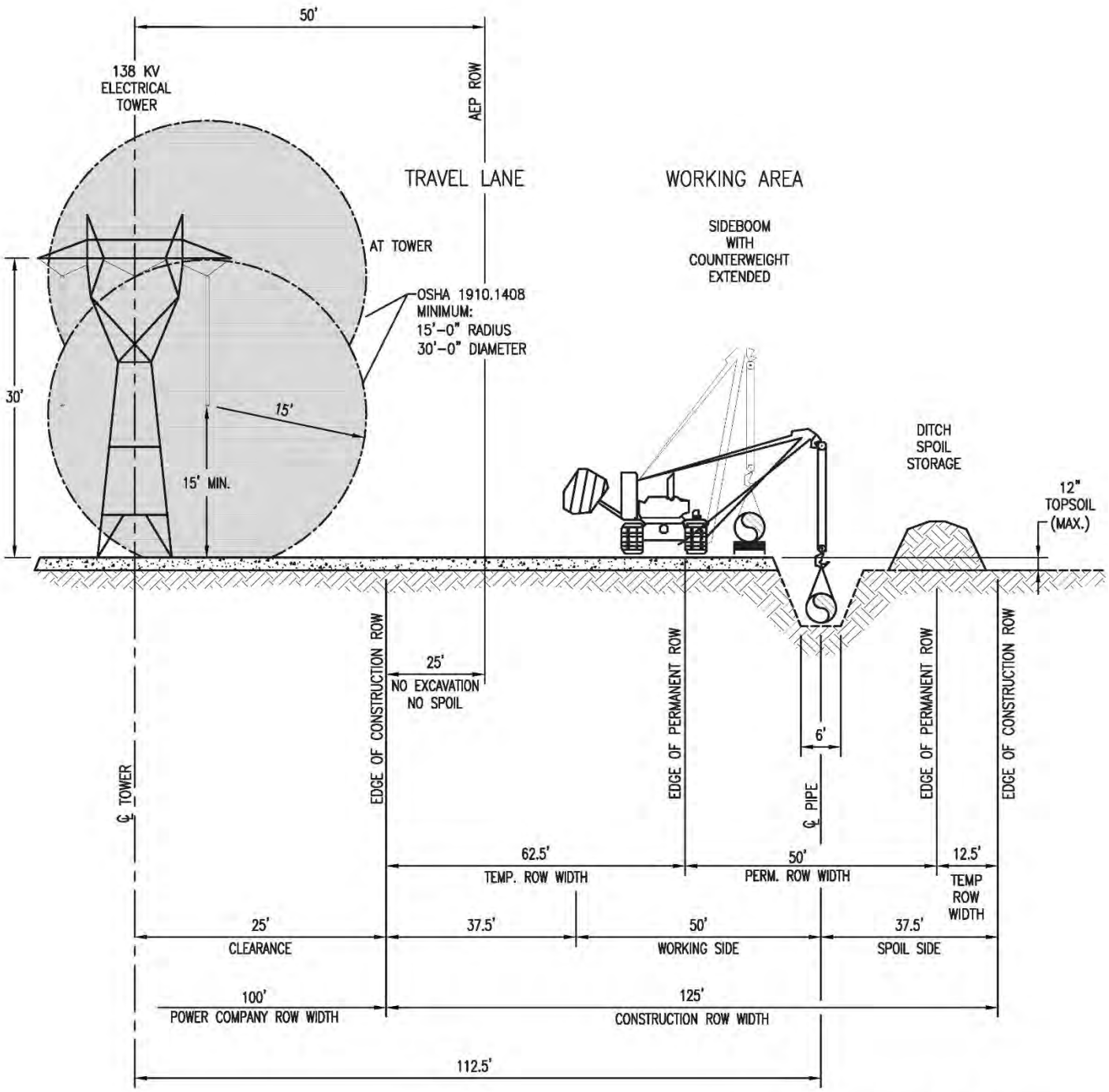
Source: Mountain Valley's FERC Application

C1-13
Mountain Valley Project
Mainline Construction
Parallel to Power lines – 345kV
Right-of-Way



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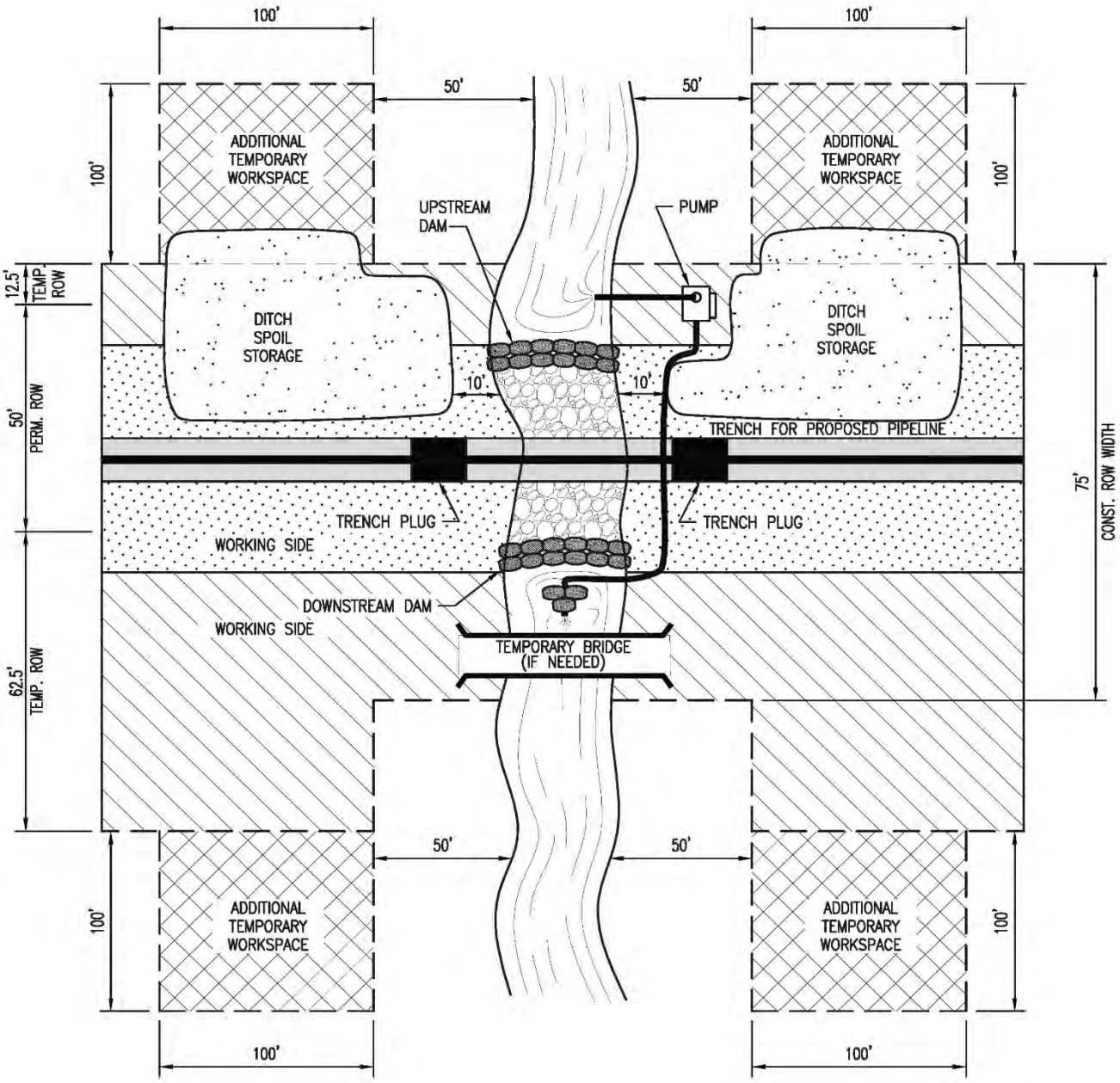
Source: Mountain Valley's FERC Application

C1-14
Mountain Valley Project
Mainline Construction
Parallel to Power lines – 138kV
Right-of-Way



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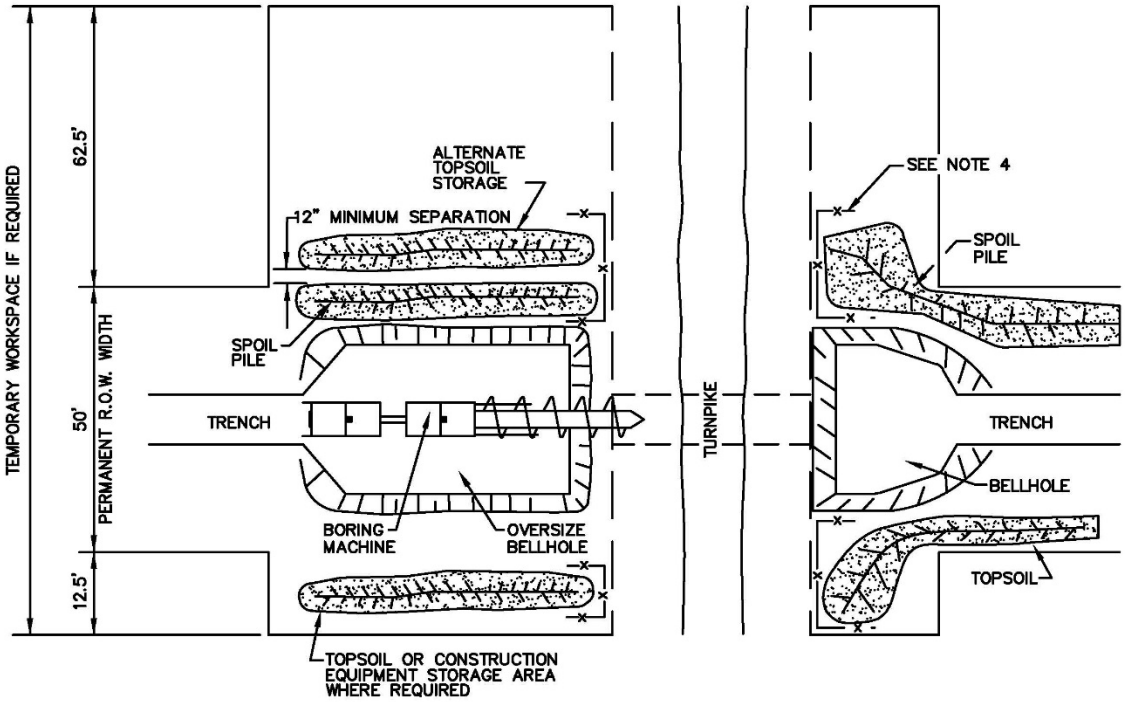
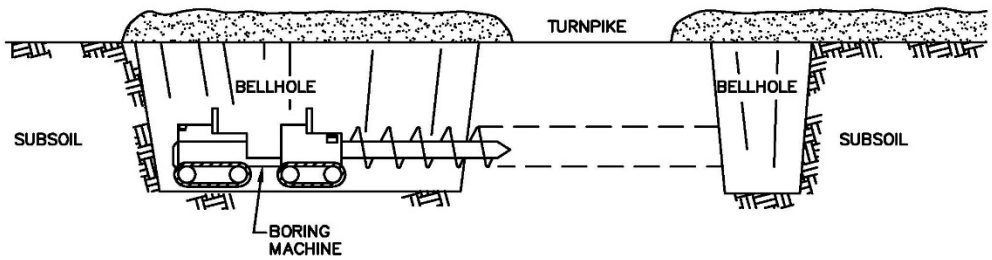
Source: Mountain Valley's FERC Application

C1-15
Mountain Valley Project
Mainline Construction
Waterbody Crossing
Open Cut – Dry/Dam and Pump
Right-of-Way



PLAN VIEW



PROFILE

NOTES:

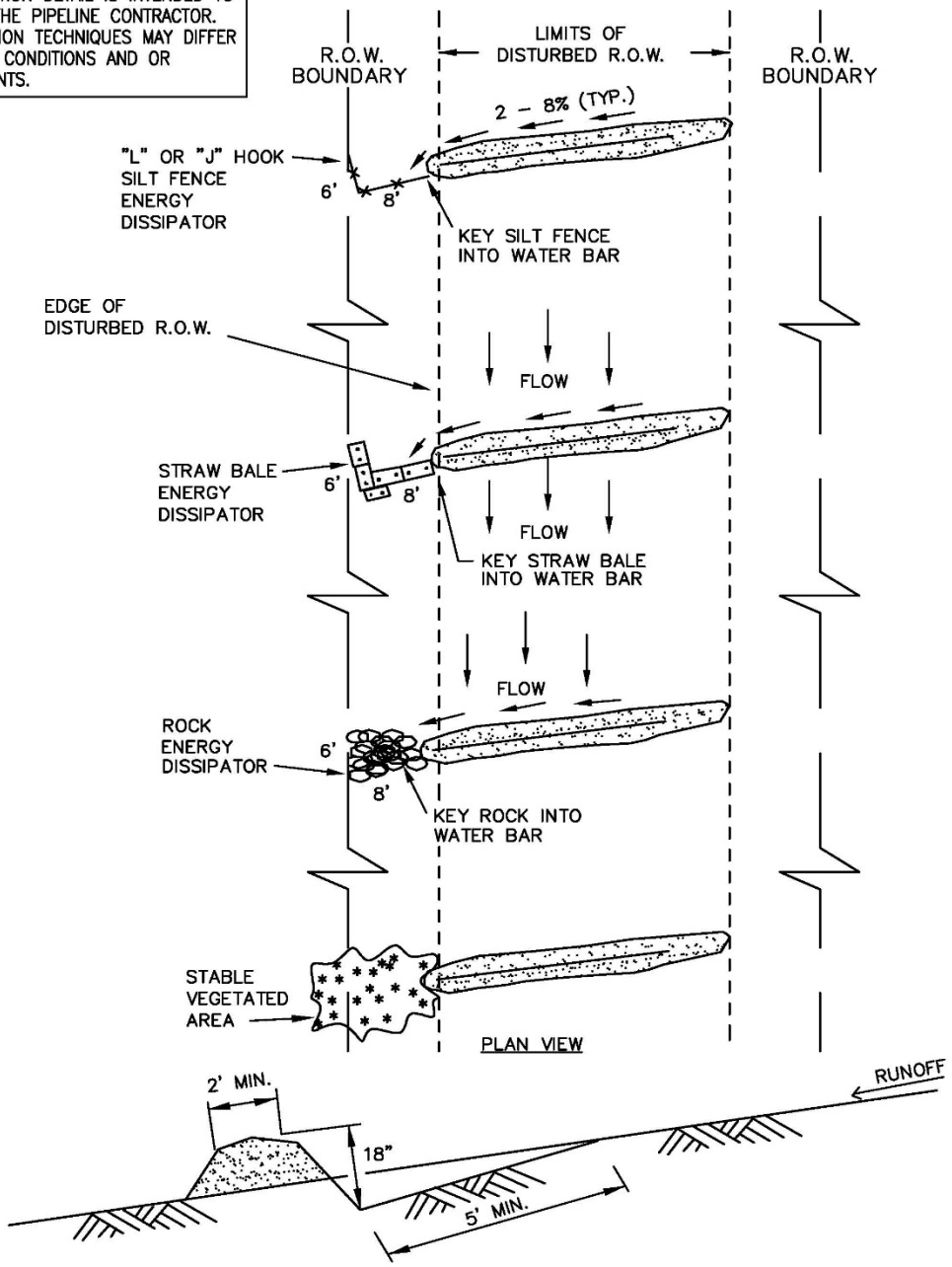
1. STRIP TOPSOIL FROM THE BELLHOLE AREA IN UNMANAGED WOODLAND. STRIP TOPSOIL FROM THE BELLHOLE AND SPOIL STORAGE AREA ON AGRICULTURAL LAND.
2. EXCAVATE BELLHOLE, STORING SPOIL ON OPPOSITE SIDE OF R.O.W. FROM TOPSOIL OR ADJACENT TO TOPSOIL MAINTAINING A MINIMUM 12 INCHES OF SEPARATION TO AVOID MIXING TOPSOIL AND SPOIL.
3. THE SIDES OF THE BORE PITS SHALL BE SLOPED BACK TO STABLE CONFIGURATION UNLESS SUPPORTED BY SHEET PILING OR OTHER SHORING MEANS. INSTALL SAFETY FENCE AROUND BORE PITS AS NECESSARY.
4. INSTALL TEMPORARY EROSION CONTROL PROCEDURES AS SPECIFIED IN THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. DEWATER BORE PIT TO CONTROL SEEPAGE WATER FLOW. DEWATER INTO AN APPROPRIATE DEWATERING STRUCTURE.
6. UPON COMPLETION OF PIPE INSTALLATION AND TIE-INS, BACKFILL PIT SPOIL. MINIMIZE POST CONSTRUCTION SETTLEMENT BY COMPACTING BACKFILL USING STANDARD PIPELINE CONSTRUCTION EQUIPMENT AVAILABLE AT SITE. LEAVE A CROWN TO ALLOW FOR SUBSIDENCE OF THE BACKFILL. RESPREAD SALVAGED TOPSOIL AND COMPACT.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Source: Mountain Valley's FERC Application

C1-16
Mountain Valley Project
Weston-Gauley Turnpike
Conventional Bore

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.



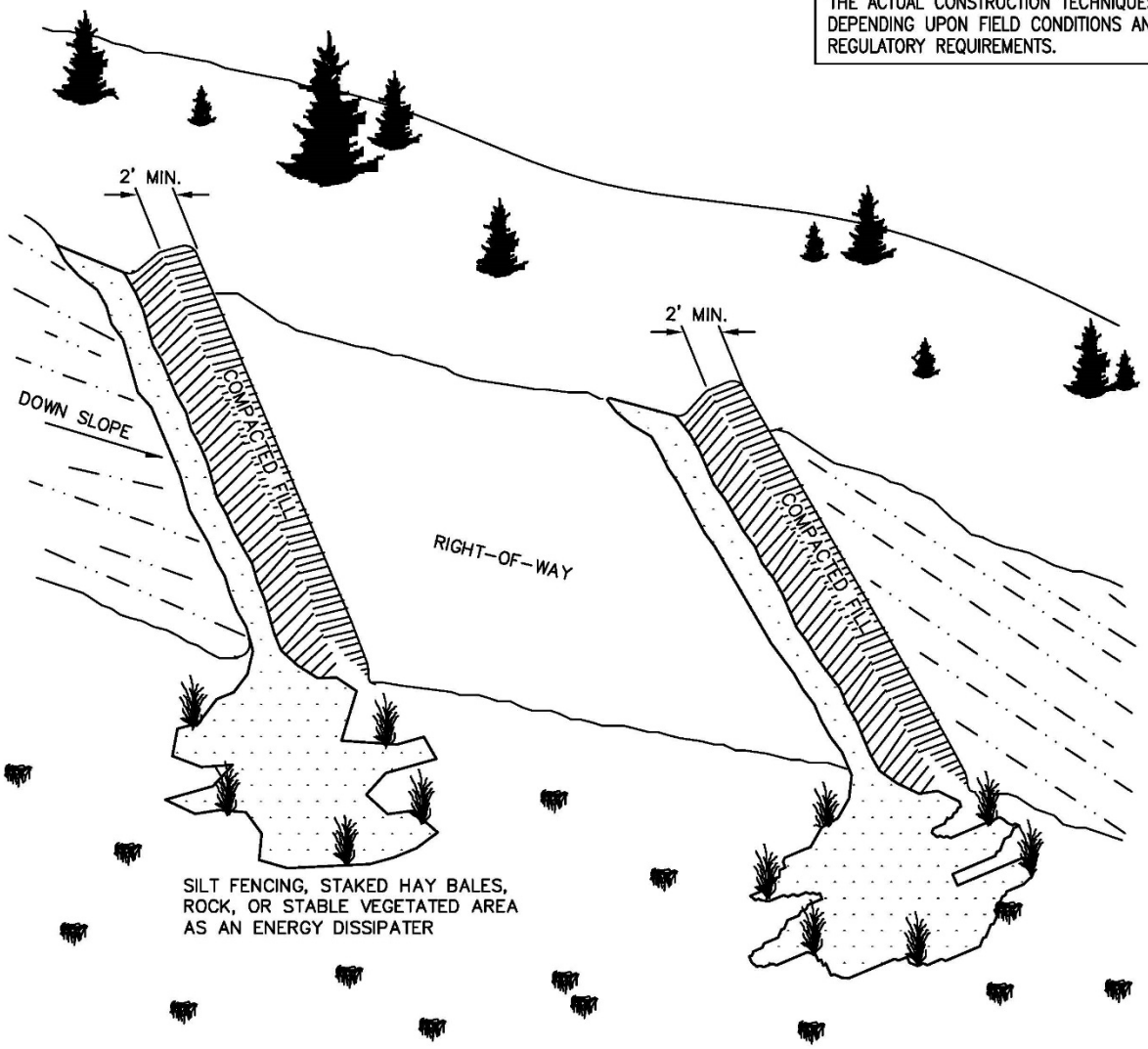
NOTES:

1. SLOPE BREAKERS SHALL BE CONSTRUCTED OF COMPACTED NATIVE SOIL AND INSTALLED AT LOCATIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS OR AS DIRECTED BY THE COMPANY'S INSPECTOR.
2. SLOPE BREAKERS SHALL BE ORIENTED AS SHOWN OR OTHER PATTERN AS DIRECTED BY THE COMPANY'S INSPECTOR TO DIRECT THE WATER OFF THE R.O.W.
3. SLOPE BREAKERS SHALL BE CONSTRUCTED AT A 2–8% GRADIENT ACROSS THE SLOPE.
4. THE SLOPE BREAKERS SHALL BE 18" DEEP (AS MEASURED FROM THE TROUGH TO THE TOP OF THE SLOPE BREAKER). THE TROUGH WILL BE A MINIMUM OF 5' WIDE ACROSS THE WIDTH OF THE RIGHT–OF–WAY.

Source: Mountain Valley's FERC Application

C1-17
Mountain Valley Project
Water Bar
Typical Slope Breaker
(SB)

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.



NOTES: (CONTINUED)

5. THE OUTLET OF THE SLOPE BREAKER MUST FREELY DISCHARGE ALL RUNOFF OFF THE DISTURBED RIGHT-OF-WAY INTO A STABLE, WELL VEGETATED AREA OR INTO AN ENERGY DISSIPATOR.

6. WHERE SLOPE BREAKERS EXTEND BEYOND THE EDGE OF THE CONSTRUCTION R.O.W. TO DIRECT RUNOFF INTO STABLE, WELL VEGETATED AREAS, THESE LOCATIONS MUST BE APPROVED BY THE COMPANY'S INSPECTOR.

FLOW ENERGY DISSIPATOR NOTES:

1. THE OUTLET SHALL CONTAIN AN ENERGY DISSIPATOR IF THE COMPANY'S INSPECTOR DETERMINES EXISTING VEGETATION IS NOT SUFFICIENTLY STABLE TO PREVENT EROSION. THE ENERGY DISSIPATOR SHALL BE CONSTRUCTED AS FOLLOWS:

   - OUTFALL END OF DISSIPATOR SHOULD BE LOWER THAN SLOPE BREAKER END.
   - SILT FENCE, STRAW BALE OR ROCK DISSIPATORS SHOULD BE KEYED INTO THE END OF THE SLOPE BREAKER.
   - PROVIDE ENOUGH AREA INSIDE "L" TO CAPTURE AND HOLD SEDIMENT.

Source: Mountain Valley's FERC Application

C1-18
Mountain Valley Project
Water Bar
Typical Slope Breaker
(SB)

STRAW MULCH

1. STRAW MULCH SHALL BE INSTALLED AT LOCATIONS IDENTIFIED ON THE CONSTRUCTION DRAWING AND/OR AS DIRECTED BY THE COMPANY'S INSPECTOR TO PROTECT SOIL FROM EROSION. AREAS TARGETED FOR STRAW MULCH INCLUDE THE FOLLOWING:
   - 10–40% SLOPES WITH LESS THAN 40% SURFACE COVER.
   - 0–10% SLOPES WITH SOILS RATED BY APPLICABLE COUNTY AS HIGH IN WIND ERODIBILITY AND LESS THAN 40% SURFACE COVER AND IF DIRECTED BY COMPANY'S INSPECTOR.
2. WHEAT, OAT, BARLEY, RYE OR FLAX STRAW WILL BE USED, WHERE APPROPRIATE, DEPENDING UPON AVAILABILITY.
3. ONLY CERTIFIED "NOXIOUS WEED–FREE" STRAW MULCH SHALL BE APPLIED AT A RATE OF:
   - 1,780 TO 2,225 LB/AC WHEAT, OAT, BARLEY OR RYE STRAW
   - 2,670 TO 3,560 LB/AC FLAX STRAW
4. AREAS WHERE RESPREAD TOPSOIL EXHIBITS AN ADEQUATE COVER FROM RESPREAD OF PLANT DEBRIS AND COARSE FRAGMENTS, MULCH RATES MAY BE REDUCED OR ELIMINATED BY THE COMPANY'S INSPECTOR.

STRAW CRIMPING

1. STRAW CRIMPING WILL BE UTILIZED ON NONCULTIVATED, WIND EROSION PRONE SOILS, AND ON CULTIVATED, WATER EROSION PRONE SOILS AS IDENTIFIED ON THE ALIGNMENT SHEETS, UNLESS OTHERWISE DIRECTED BY THE COMPANY'S INSPECTOR. STRAW CRIMPING AT ADDITIONAL LOCATIONS IDENTIFIED BY THE COMPANY'S INSPECTOR MAY BE REQUIRED.
2. EQUIPMENT SPECIFICALLY DESIGNED TO CRIMP STRAW (SUCH AS A STRAW MULCH CRIMPER MANUFACTURED BY FINN CORPORATION OR AN APPROVED EQUIVALENT) SHALL BE USED TO CRIMP STRAW FIBERS TO A DEPTH OF TWO TO THREE INCHES. STEEP SLOPES INACCESSIBLE WITH A CRIMPER SHALL BE CRIMPED BY TRACKING WITH A CRAWLER RUNNING PERPENDICULAR TO THE SLOPE. DISCS SHALL NOT BE ALLOWED FOR CRIMPING EXCEPT AS STATED IN NOTE 3.
3. WHERE EXCESSIVE STONINESS IS ENCOUNTERED TO THE EXTENT THAT THE SPECIALIZED CRIMPING EQUIPMENT IS NOT USEABLE, ATTEMPT TO ANCHOR THE STRAW BY INCORPORATION WITH AN AGRICULTURAL DISC OR CULTIVATOR. WHERE FROZEN GROUND CONDITIONS ARE ENCOUNTERED TO THE EXTENT THAT THE CRIMPING OPERATION IS NOT FEASIBLE, SPREAD STRAW AT DOUBLE THE NORMAL RATE.
4. CRIMP OR ANCHOR STRAW INTO THE SOIL TO AN APPROXIMATE DEPTH OF 2". STRAW SHOULD STAND VERTICALLY 2" TO 8" OUT OF THE GROUND IN ROWS SPACED APPROXIMATELY 6" APART.
5. IN HIGHLY ERODIBLE SANDY LOCATIONS, WHERE DIRECTED BY THE COMPANY'S INSPECTOR, DOUBLE THE STRAW APPLICATION RATE AND MAKE TWO PASSES TO ANCHOR THE STRAW, ONE PASS PERPENDICULAR TO THE OTHER OR CRISS–CROSSED.
6. STRAW FOR CRIMPING WILL BE APPROVED BY COMPANY AND THE LANDOWNERS AND OCCUPANTS OR APPROPRIATE REGULATORY AUTHORITIES WHERE APPLICABLE. CRITERIA FOR THE SELECTION OF STRAW IS AS FOLLOWS:
   - FOR EACH LOT OF BALES, TO THE EXTENT FEASIBLE, THE FIELD WHERE THE BALES WERE OBTAINED WILL BE INSPECTED BEFORE IT IS HARVESTED, OR THE STUBBLE WILL BE INSPECTED IMMEDIATELY AFTER HARVEST AND A SAMPLE OF GRAIN WILL BE INSPECTED FOR WEED SEEDS.
   - THE STRAW MUST HAVE BEEN HARVESTED WITH A CONVENTIONAL COMBINE, NOT A ROTARY COMBINE.
   - THE STRAW MUST HAVE A MINIMUM FIBRE LENGTH OF 8", 12" IS PREFERRED.
   - THE STRAW MUST BE FREE OF NOXIOUS OR RESTRICTED WEEDS AND UNDESIRABLE SPECIES WHICH WOULD HAMPER RECLAMATION EFFORTS.
   - TO THE EXTENT FEASIBLE, BALES OBTAINED FROM LOW LYING WEEDY AREAS WILL BE IDENTIFIED AND AVOIDED.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Source: Mountain Valley's FERC Application

C1-19
Mountain Valley Project
Erosion Control
Straw Mulch
(STM)

SLOPE %	SPACING
0% – 5%	NOT REQUIRED EXCEPT AT STREAM OR WATER BODY CROSSINGS
5% – 15%	300 FT
> 15% – 30%	200 FT
>30%	100 FT

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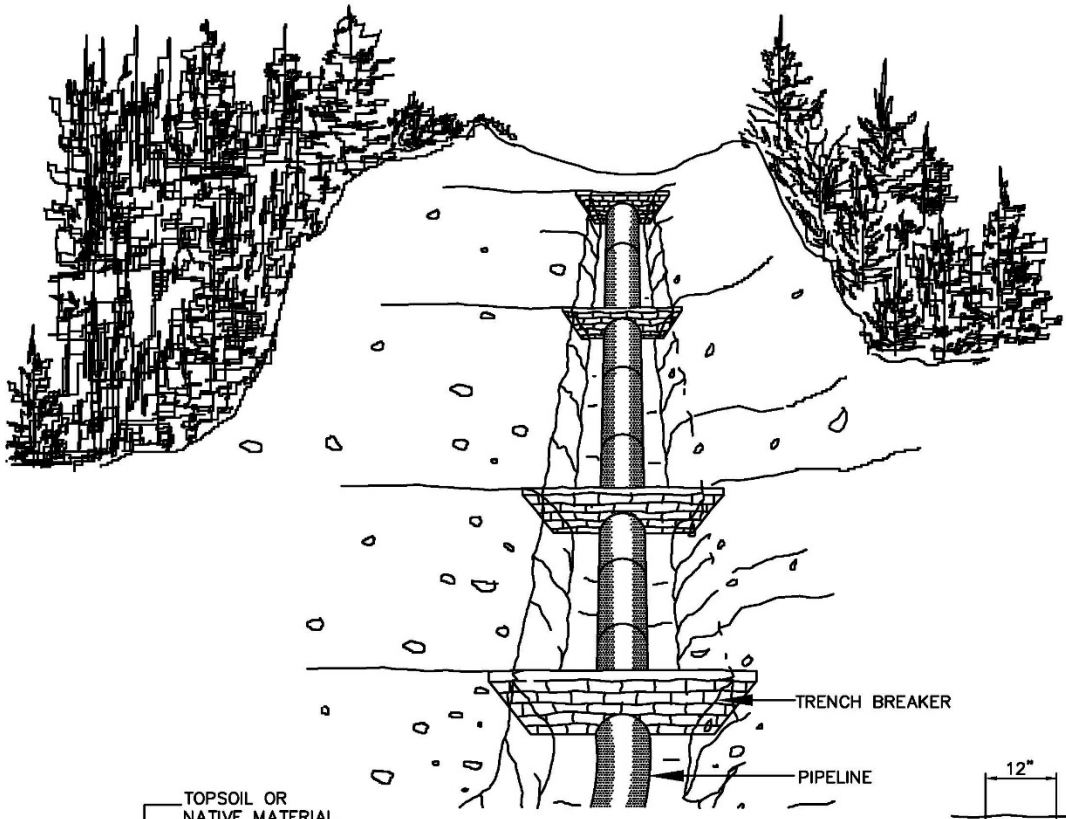
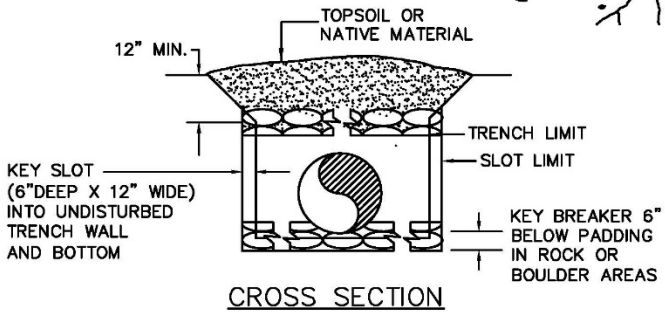
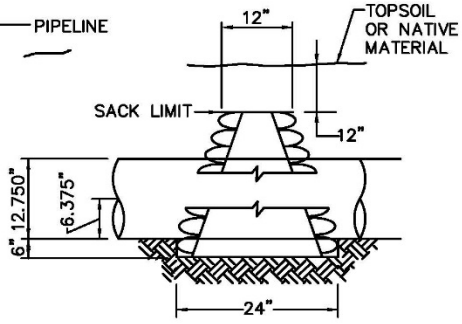




CROSS SECTION



SIDE VIEW

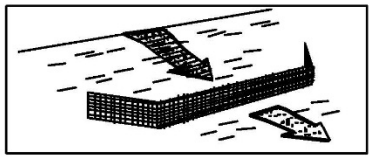
NOTES

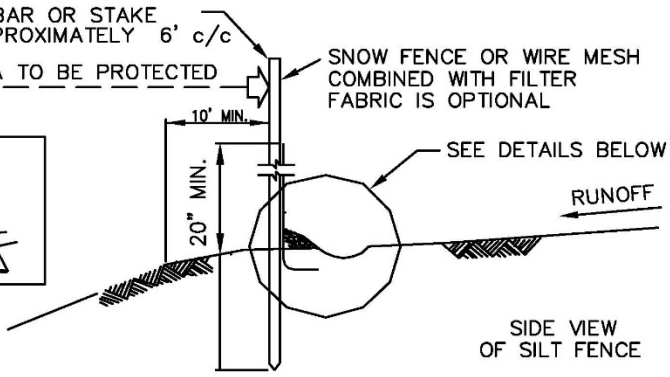
1. TRENCH BREAKERS SHALL BE INSTALLED:
   - ON SLOPES ALONG THE TRENCH LINE WHERE THE NATURAL DRAINAGE PATTERN, PROFILE, AND TYPE OF BACKFILL MATERIAL MAY RESULT IN LOSS OF BACKFILL MATERIAL OR ALTERATION OF THE NATURAL PATTERN;
   - AT THE BASE OF SLOPES ADJACENT TO WATERBODIES AND WETLANDS;
   - WHERE NEEDED TO AVOID DRAINING A WETLAND;
   - ON UPLAND SLOPES, AT THE SAME SPACING AS SLOPE BREAKERS AND UP SLOPE OF SLOPE BREAKERS;
   - IN CULTIVATED LAND AND RESIDENTIAL AREAS WHERE PERMANENT SLOPE BREAKERS ARE NOT TYPICALLY INSTALLED, AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WHERE REQUIRED.
2. OPEN WEAVE HEMP OR JUTE SACKS SHALL BE FILLED WITH A MINIMUM OF 55lbs. MIXTURE OF 1 PART CEMENT TO 6 PARTS SAND OR SUBSOIL SO THAT NATURAL GROUND WATER WILL PERMIT MIXTURE TO EXUDE AND BOND SACKS TOGETHER.
3. BREAKER SPACING AND CONFIGURATION MAY BE CHANGED AS DIRECTED BY COMPANY. DEPTH OF DITCH MAY VARY WITH SITE CONDITIONS.
4. ALL MATERIALS SHALL BE SUPPLIED BY CONTRACTOR.

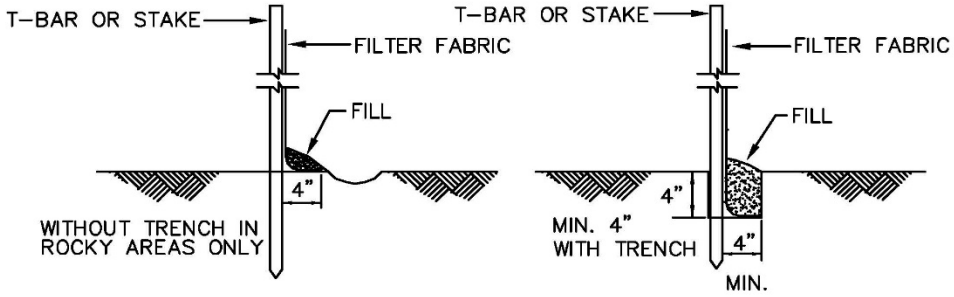
Source: Mountain Valley's FERC Application

C1-20
Mountain Valley Project
Typical: Trench Breaker
Requirements

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.







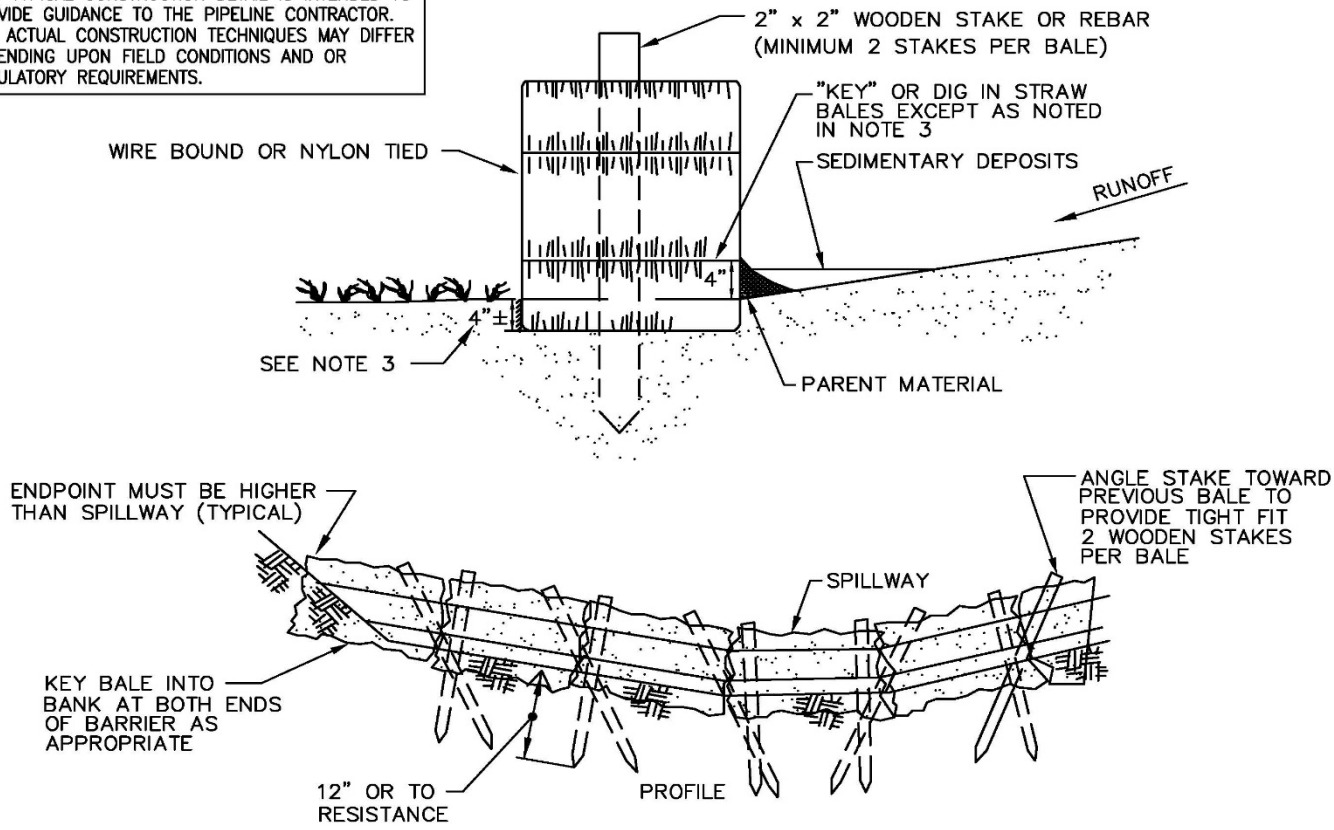
NOTE:

1. GENERALLY WHEN A LONG SEDIMENT BARRIER IS REQUIRED, SILT FENCE WILL BE UTILIZED RATHER THAN STRAW BALES AT:
   - THE BASE OF ALL SLOPES ABOVE ROADS, SPRINGS, WETLANDS, IMPOUNDMENTS AND PERENNIAL AND INTERMITTENT STREAMS.
   - THE DOWN SLOPE RIGHT–OF–WAY EDGE WHERE ANY OF THE ABOVE MENTIONED LOCATIONS ARE ADJACENT TO THE RIGHT–OF–WAY.
   - BETWEEN TOPSOIL/SPOIL STOCKPILES AND PERENNIAL OR INTERMITTENT STREAMS OR WETLANDS WHERE BUFFER ZONE REQUIREMENTS CANNOT BE MET.
   - ALONG R.O.W. BOUNDARIES OF WETLAND CONSTRUCTION.
   - AS SPECIFIED IN THE SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURE PLAN.
   - AS DIRECTED BY THE COMPANY'S INSPECTOR.
2. THE SILT FENCE SHALL BE CONSTRUCTED AS FOLLOWS:
   - FABRIC USED FOR THE SILT FENCE SHALL BE A "STANDARD STRENGTH" GEOTEXTILE, SUCH AS MIRAFI 100X OR AN APPROVED EQUIVALENT.
   - THE FABRIC SHALL BE CUT FROM A CONTINUOUS FABRIC ROLL.
   - THE HEIGHT OF THE FENCE SHALL NOT EXCEED 24".
   - SPLICES SHALL ONLY BE DONE AT POSTS AND SHALL CONSIST OF A MINIMUM OF 6" OF OVERLAP WITH BOTH ENDS SECURED TO THE POST.
   - POSTS SHALL BE POSITIONED A MAXIMUM OF 6' APART.
   - POSTS SHALL CONSIST OF 2"X2" WOODEN STAKES OF SUFFICIENT LENGTH TO EXTEND A MINIMUM OF 12" INTO THE GROUND.
   - FABRIC SHALL BE STAPLED OR WIRED TO POSTS A MAXIMUM OF EVERY 9".
3. THE SILT FENCE SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER OR AS FOLLOWS:
   - A TRENCH, 4" WIDE AND 4" DEEP, SHALL BE EXCAVATED ALONG THE CONTOUR. THE POST SHALL BE DRIVEN INTO THE BOTTOM OF THE TRENCH ON THE DOWNSTREAM SIDE OF THE FILTER FABRIC. THE TRENCH SHALL BE BACK FILLED AND COMPACTED, ENSURING 4" OF FENCE IS BURIED WITHIN THE TRENCH.
   - IN AREAS WHERE THE TERRAIN IS TOO ROCKY FOR TRENCHING, A 4" GROUND FLAP WITH ROCK FILL TO HOLD IT IN PLACE SHALL BE USED.

Source: Mountain Valley's FERC Application

C1-21
Mountain Valley Project
Erosion Control
Silt Fence Sediment Barrier
(SFB)

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

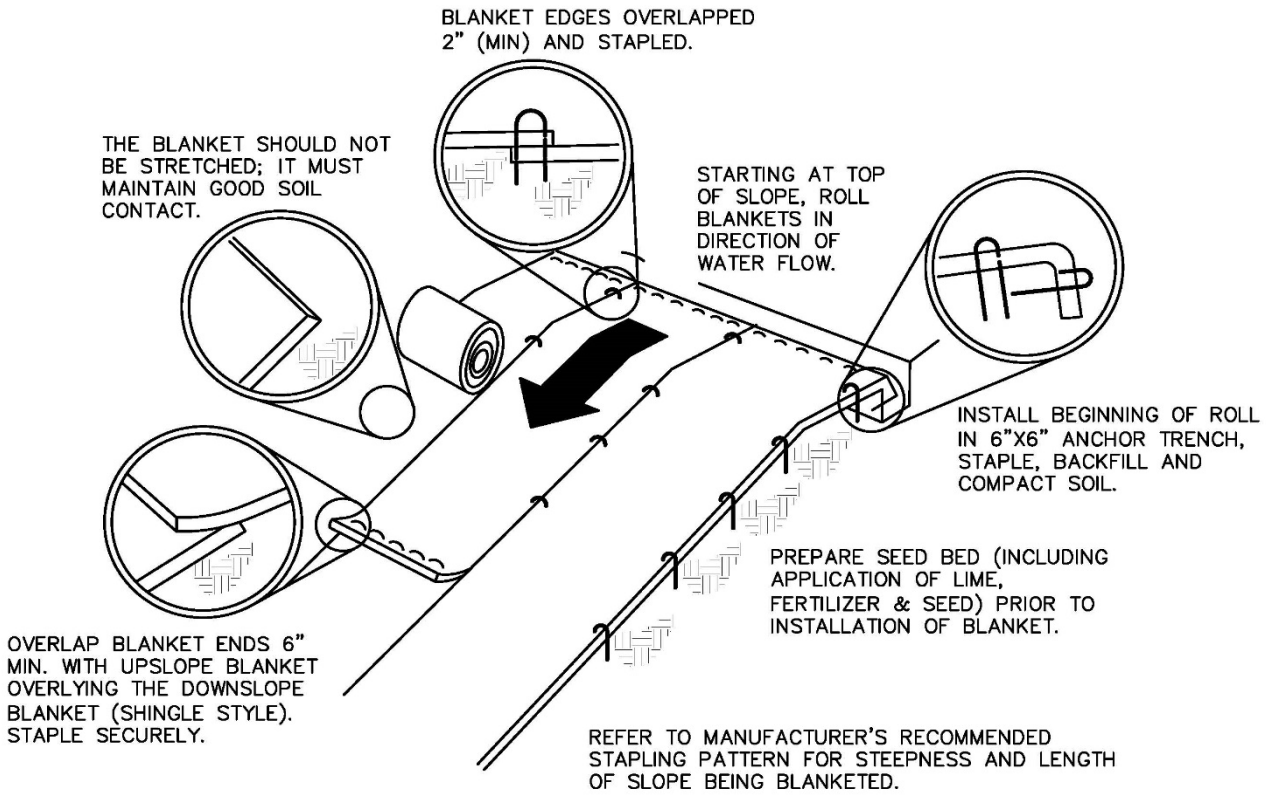


NOTES:

1. STRAW BALE SEDIMENT BARRIERS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:
   - THE BASE OF ALL SLOPES ABOVE ROADS, SPRINGS, WETLANDS, IMPOUNDMENTS AND FLOWING STREAMS.
   - THE DOWNSLOPE RIGHT-OF-WAY EDGE WHERE ANY OF THE ABOVE-MENTIONED LOCATIONS ARE ADJACENT TO THE RIGHT-OF-WAY.
   - BETWEEN TOPSOIL/SPOIL STOCKPILES AND STREAMS OR WETLANDS AS NEEDED.
   - ALONG R.O.W. BOUNDARIES IN WETLAND CONSTRUCTION.
   - AS SPECIFIED IN THE SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURE PLAN.
   - AS DIRECTED BY THE COMPANY'S INSPECTOR.
2. STRAW BALE SEDIMENT BARRIERS SHALL CONSIST OF A ROW OF STRAW BALES, PLACED ON THE FIBER-CUT EDGE (TIES NOT IN CONTACT WITH THE GROUND). BALES SHALL BE TIGHTLY ABUTTED TO ONE ANOTHER. THE BARRIER SHALL BE ONE BALE HIGH. ONLY CERTIFIED "NOXIOUS WEED-FREE" STRAW SHALL BE USED WHENEVER POSSIBLE.
3. ENTRENCH ("KEY") STRAW BALES INTO THE GROUND TO A DEPTH OF 4" EXCEPT IN FROZEN, SATURATED, OR EXTREMELY ROCKY SOILS. PLACE PARENT MATERIAL ON UPSTREAM SIDE OF STRAW BALES TO PREVENT UNDERMINING.
4. WALK ON STRAW BALES TO INSURE ADEQUATE BALE-TO-SOIL CONTACT.
5. ANCHOR STRAW BALES SECURELY IN PLACE WITH TWO WOODEN OR STEEL REBAR STAKES DRIVEN THROUGH THE TOPS OF THE BALES. THE STAKES SHALL PENETRATE THE GROUND A DISTANCE OF 12" UNLESS ROCK OR AN IMPERMEABLE LAYER IS ENCOUNTERED:
   - THE FIRST, CENTER AND END BALES OF THE BARRIER SHALL HAVE STAKES DRIVEN VERTICALLY THROUGH THE BALE.
   - BALES, OTHER THAN THOSE LOCATED AT THE ENDS OR CENTER OF THE BARRIER, SHALL HAVE THE FIRST STAKE DRIVEN THROUGH THE TOP OF THE BALE AT AN ANGLE SO THAT THE STAKE PASSES THROUGH THE PREVIOUSLY PLACED BALE, IN ORDER TO PROVIDE TIGHT CONTACT BETWEEN BALES. THE SECOND STAKE SHALL BE DRIVEN VERTICALLY THROUGH THE TOP OF THE BALE.

Source: Mountain Valley's FERC Application

C1-22
Mountain Valley Project
Erosion Control
Straw Bale Sediment Barrier
(SBB)



SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AT THE TOP OF SLOPE.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS.

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT AND UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

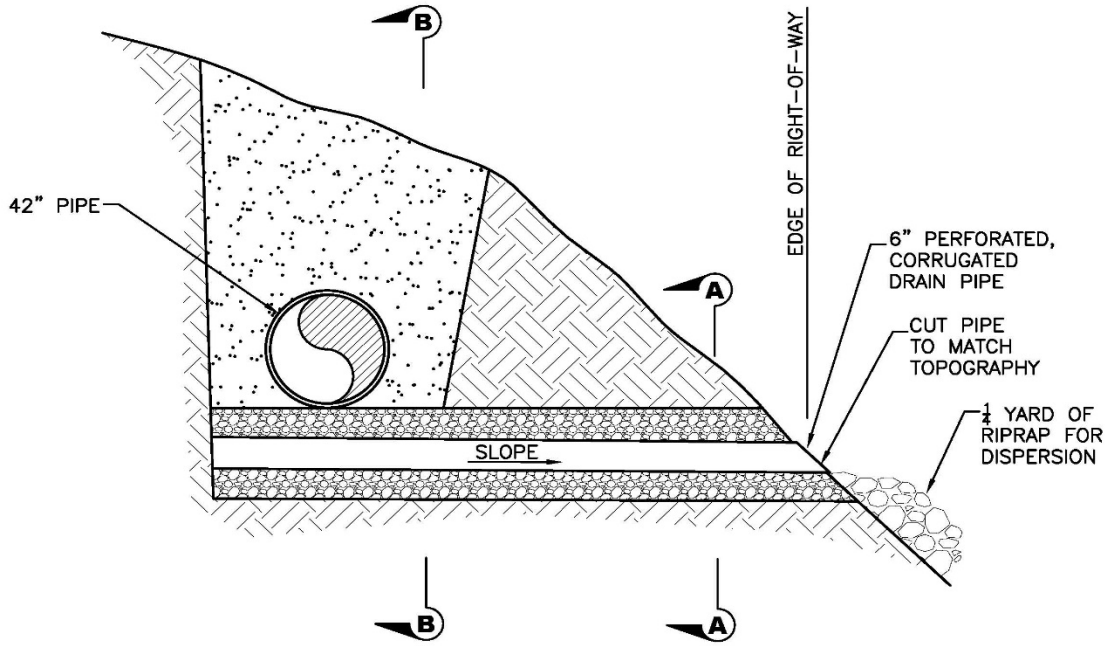
BLANKET SHALL BE STAPLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

BLANKET AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGTATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

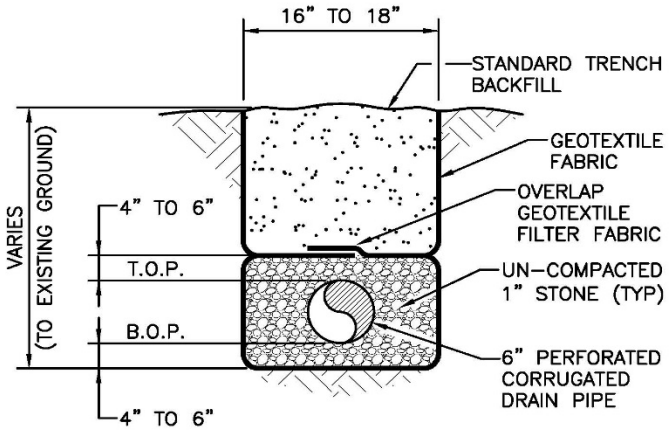
THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Source: Mountain Valley's FERC Application

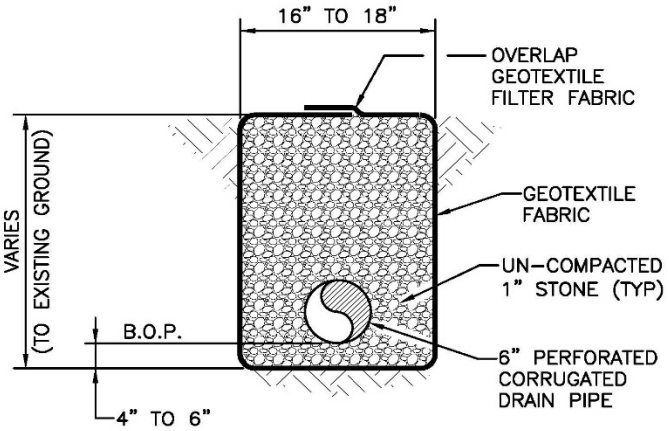
C1-23
Mountain Valley Project
Slope Installation



MAINLINE CROSS SECTION



SECTION A-A



SECTION B-B

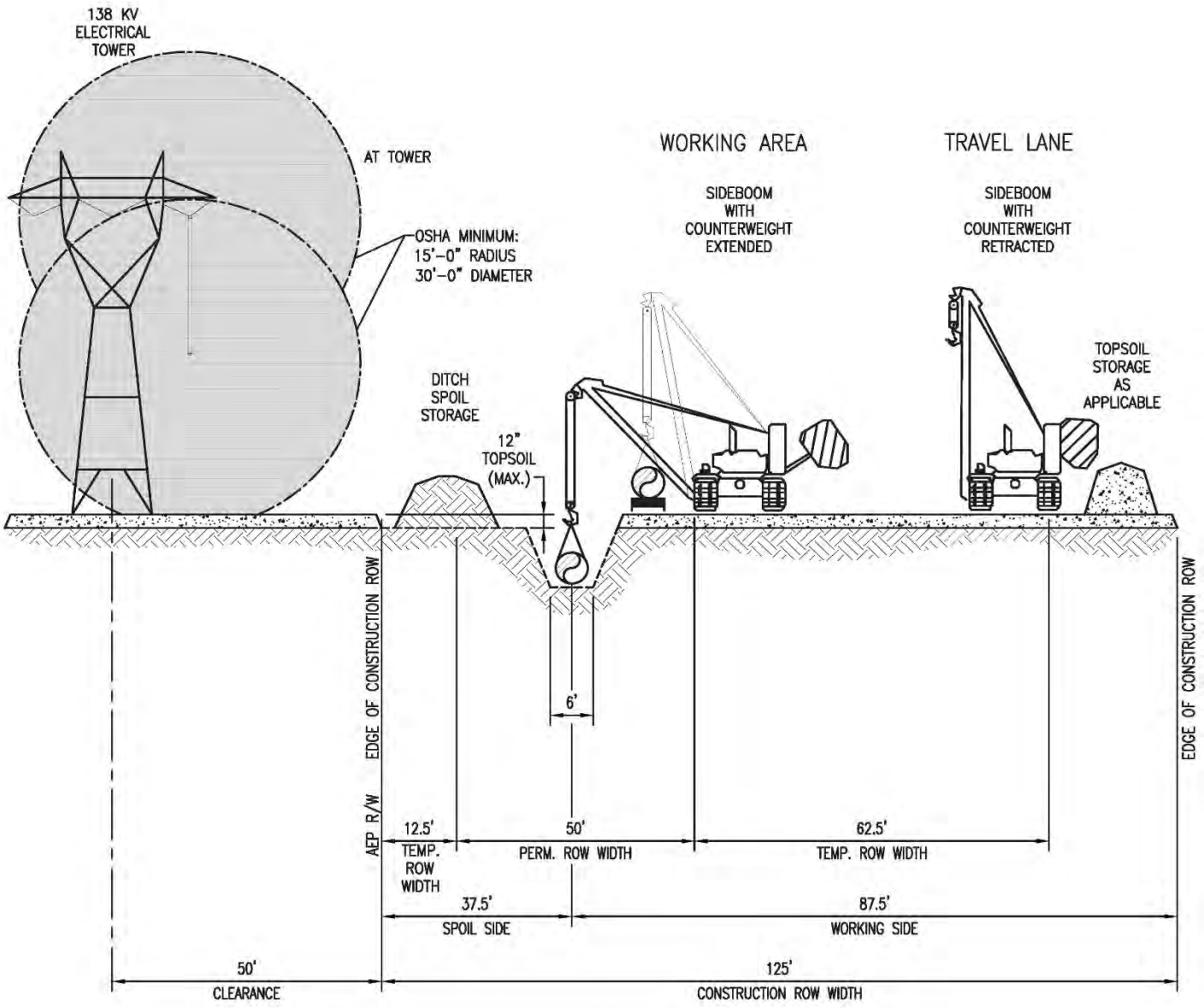
NOTES

1. LOW POINT DITCH DRAINS SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE APPROVED EROSIONS & SEDIMENTATION CONTROL PLAN, AND AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
2. FILL STONE SHOULD BE 1" AGGREGATE WITHOUT FINES, CRUSHER RUN WITHOUT FINES, OR EQUIVALENT.
3. DRAIN PIPE TO BE CONNECTED USING STANDARD PIPE COLLARS.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Source: Mountain Valley's FERC Application

C1-24
Mountain Valley Project
Sidehill Low-Point Drain
Typical

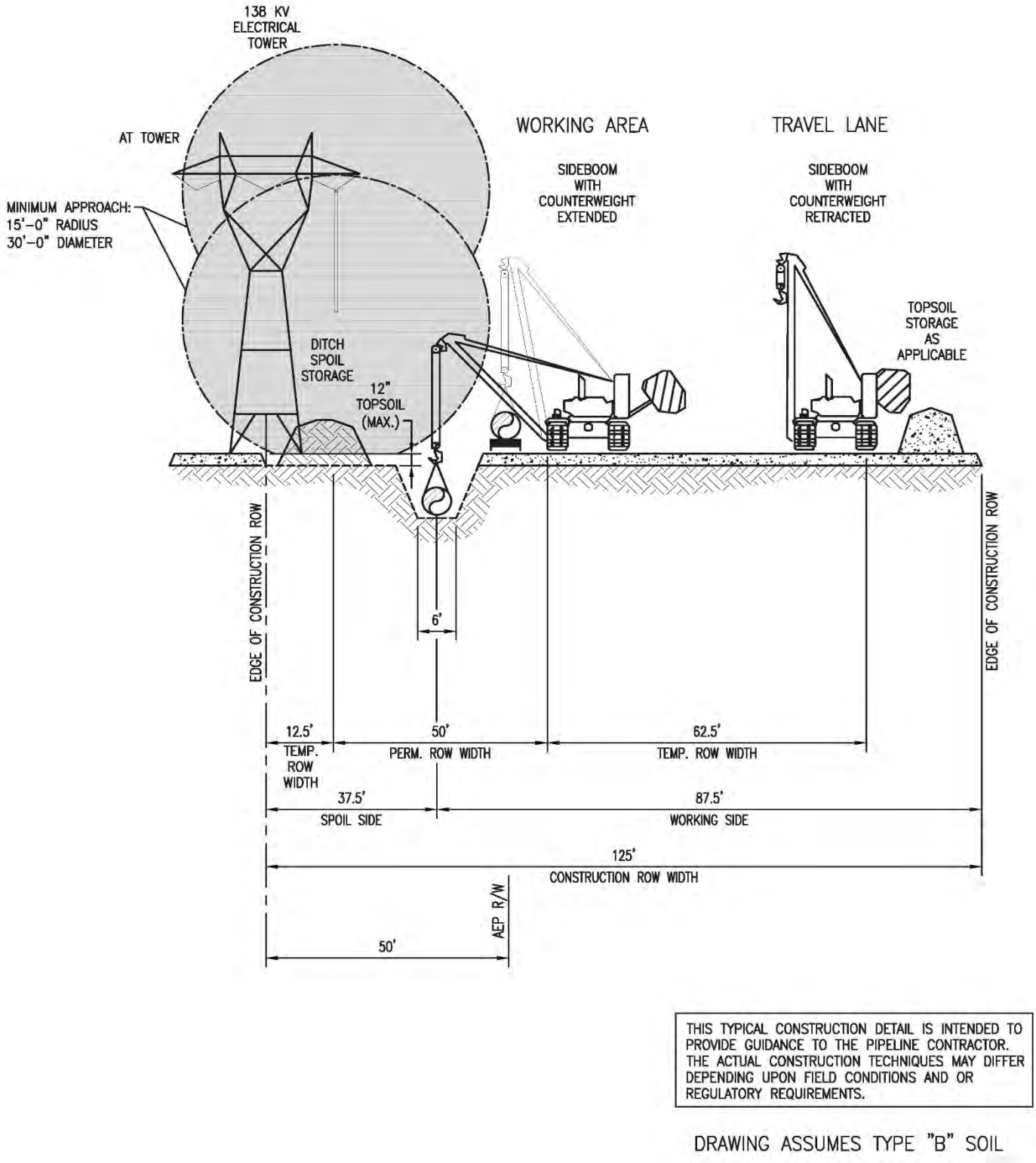


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

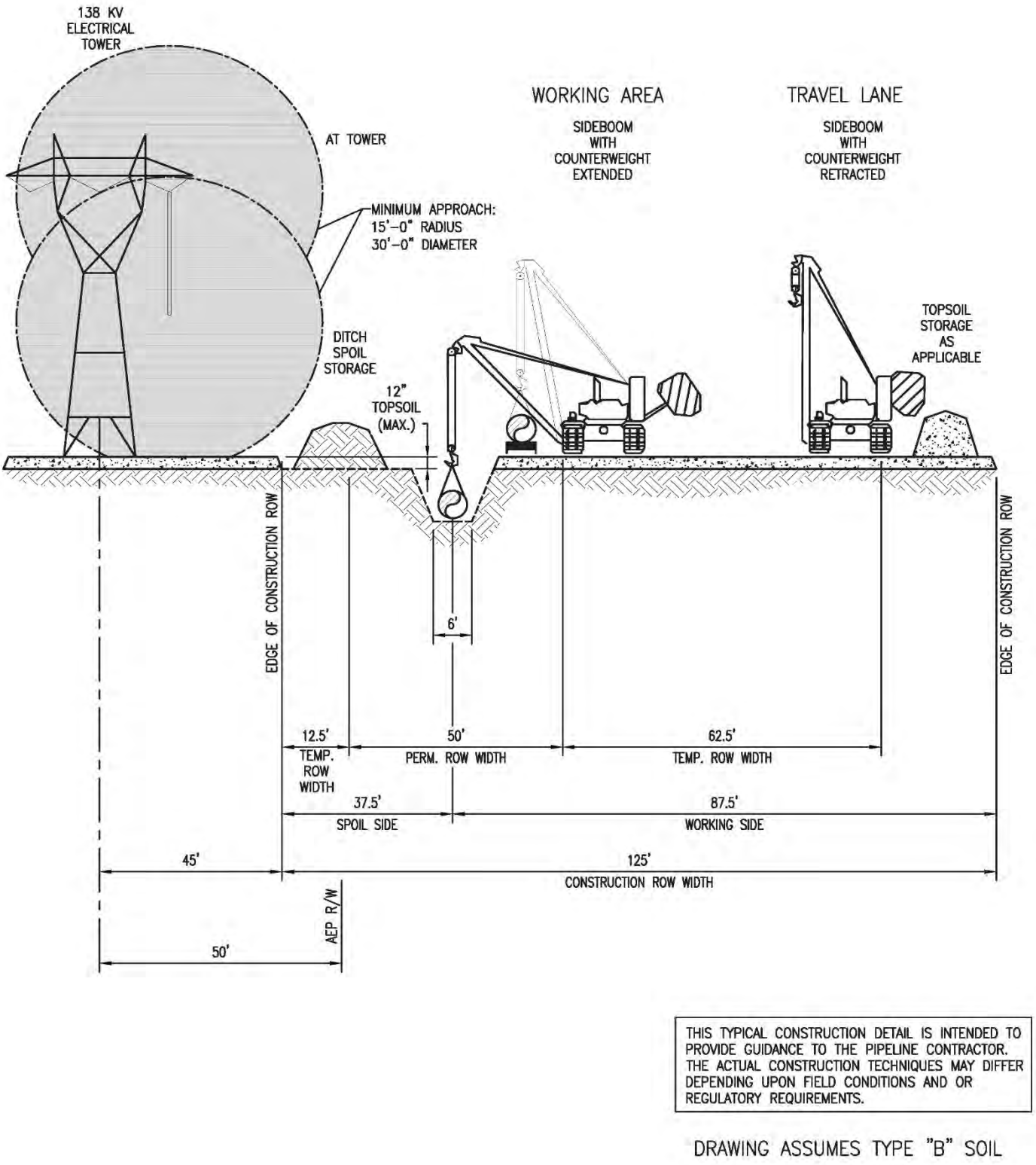
Source: Mountain Valley's FERC Application

C1-25
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way



Source: Mountain Valley's FERC Application

C1-26
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way

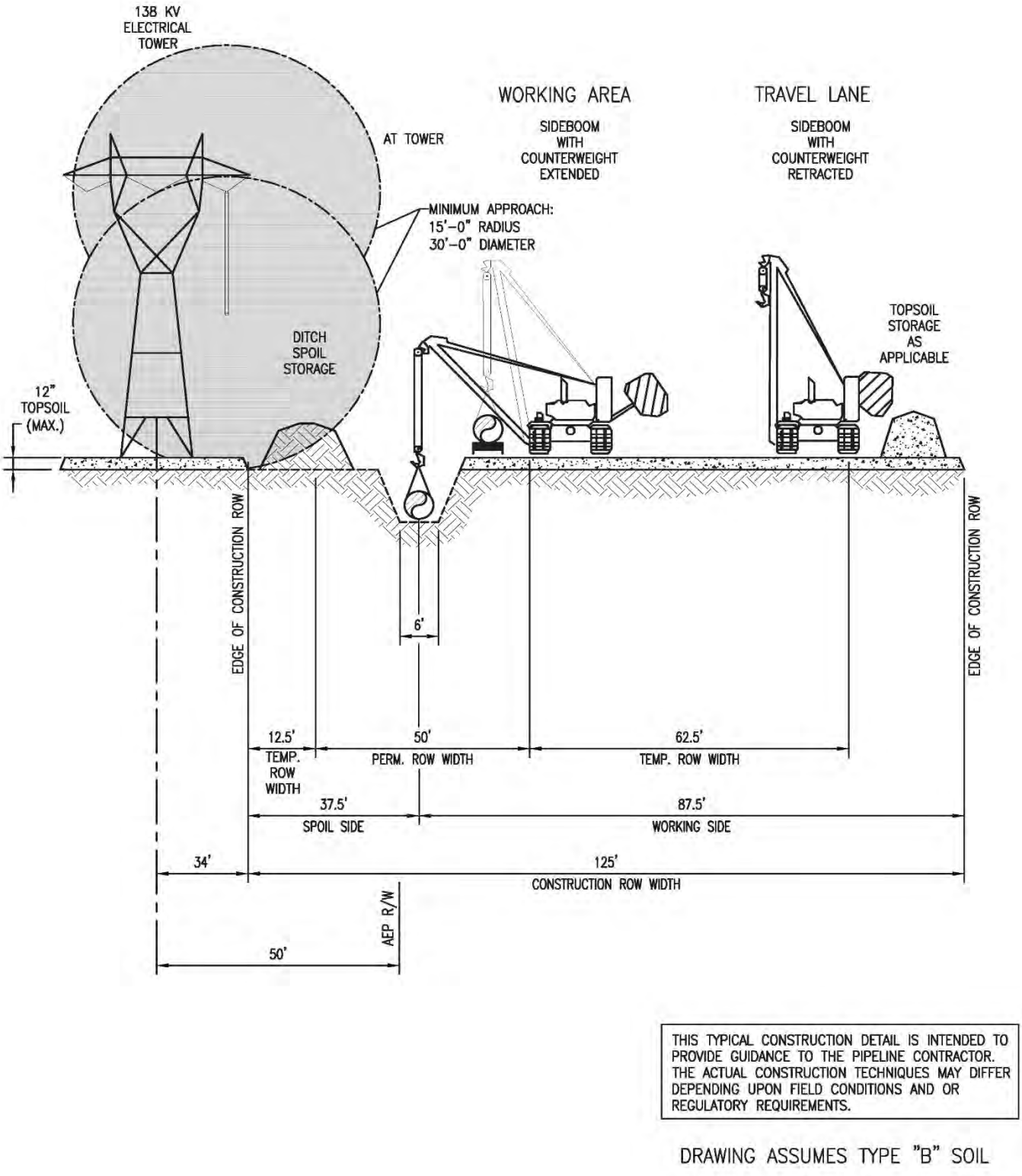


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-27
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way

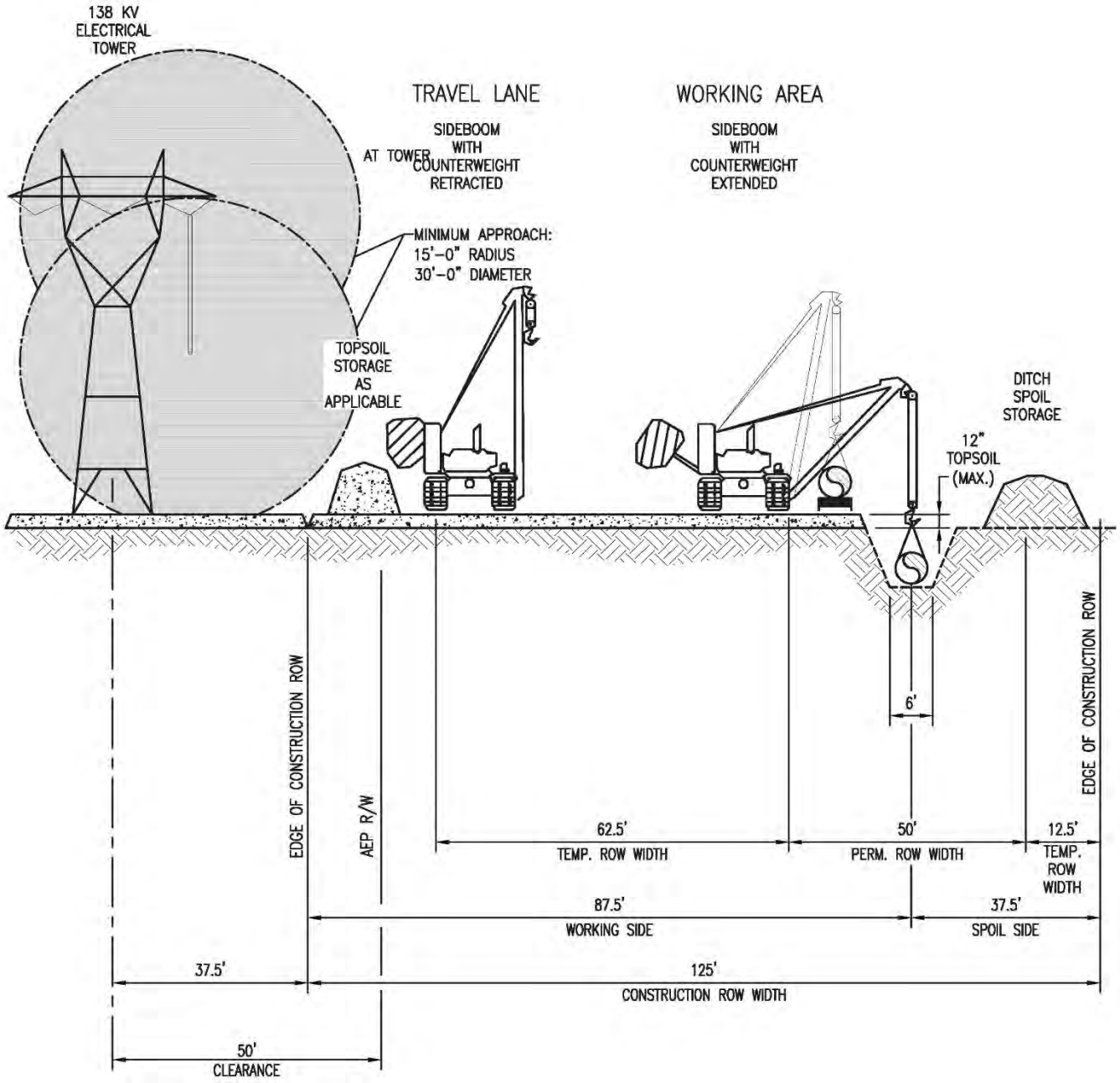


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-28
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way

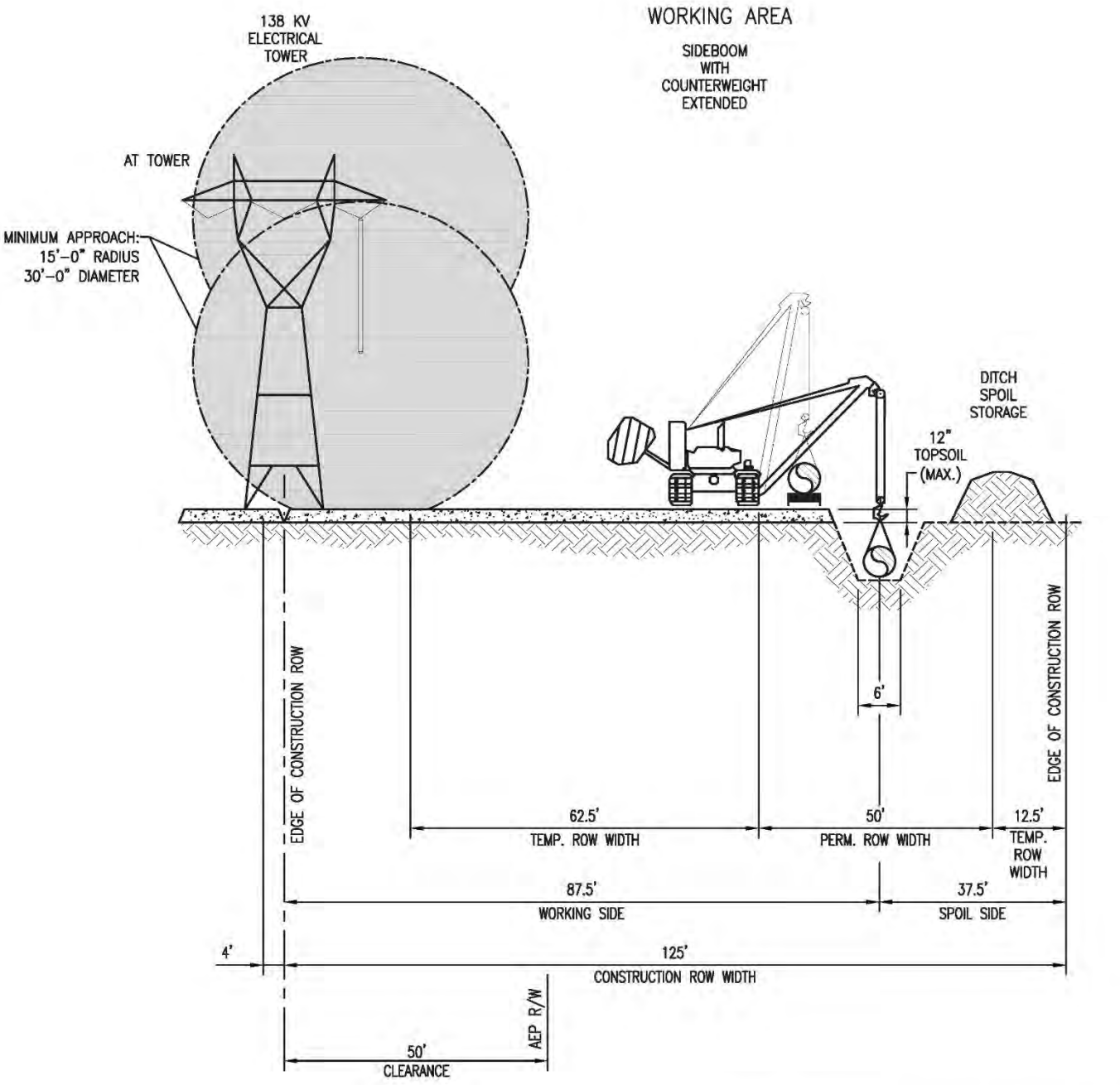


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-29
Mountain Valley Project
Mainline Construction
Parallel to Power Lines
Right-of-Way

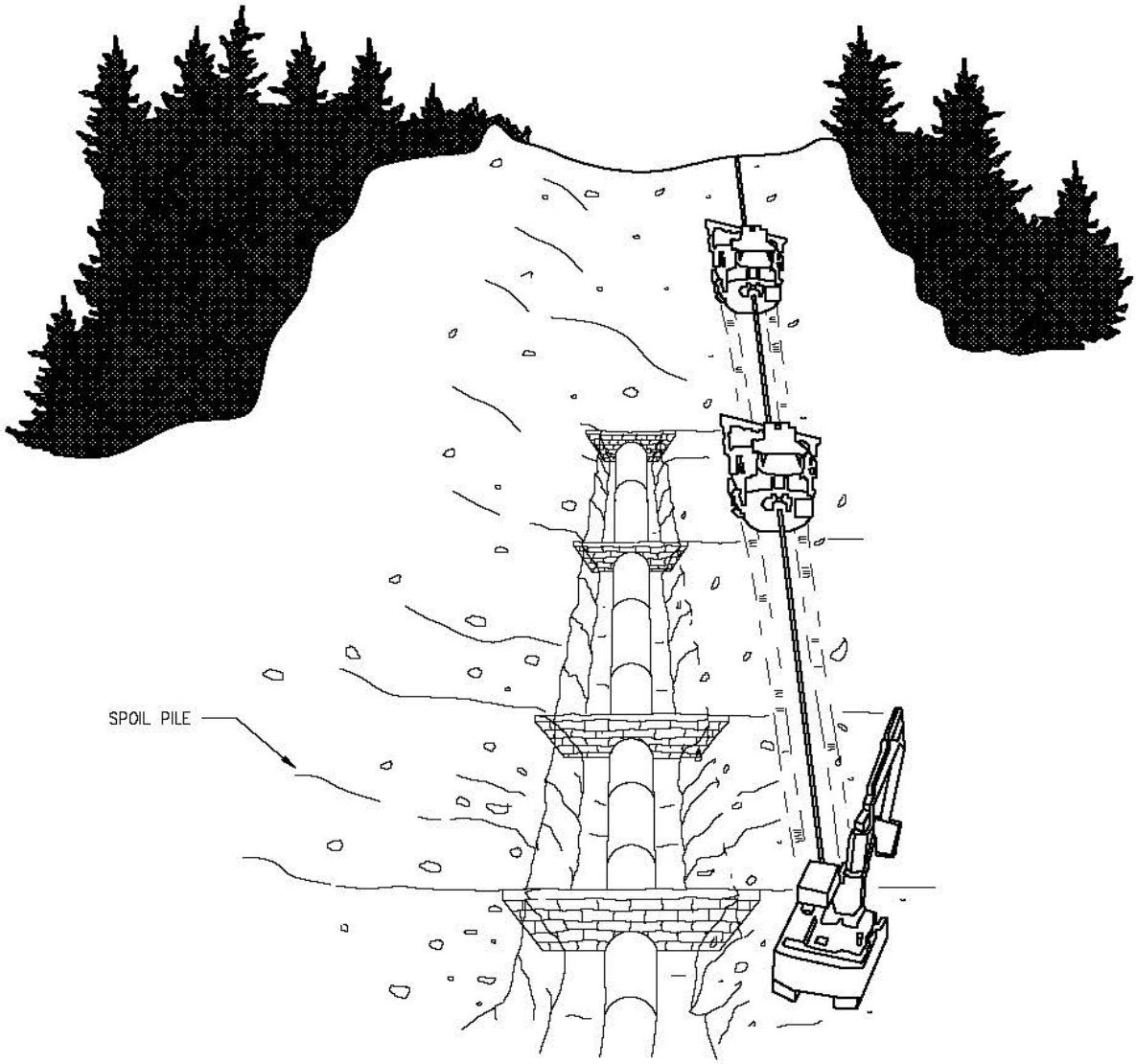


THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

Source: Mountain Valley's FERC Application

C1-30
Mountain Valley Project
Mainline Construction
Parallel to Power lines
Right-of-Way



NOTES:

1. WINCHES MAY BE REQUIRED FOR MOVING EQUIPMENT AND MATERIAL, AND DURING CONSTRUCTION ON STEEP LONGITUDINAL SLOPES.
2. WINCHES WILL EITHER BE FIXED WINCHES OR TRACKED EQUIPMENT WITH WINCHES.
3. WINCHES WILL TYPICALLY BE REQUIRED FOR SLOPES OF 30% (17°) AND UP.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRAWING ASSUMES TYPE "B" SOIL

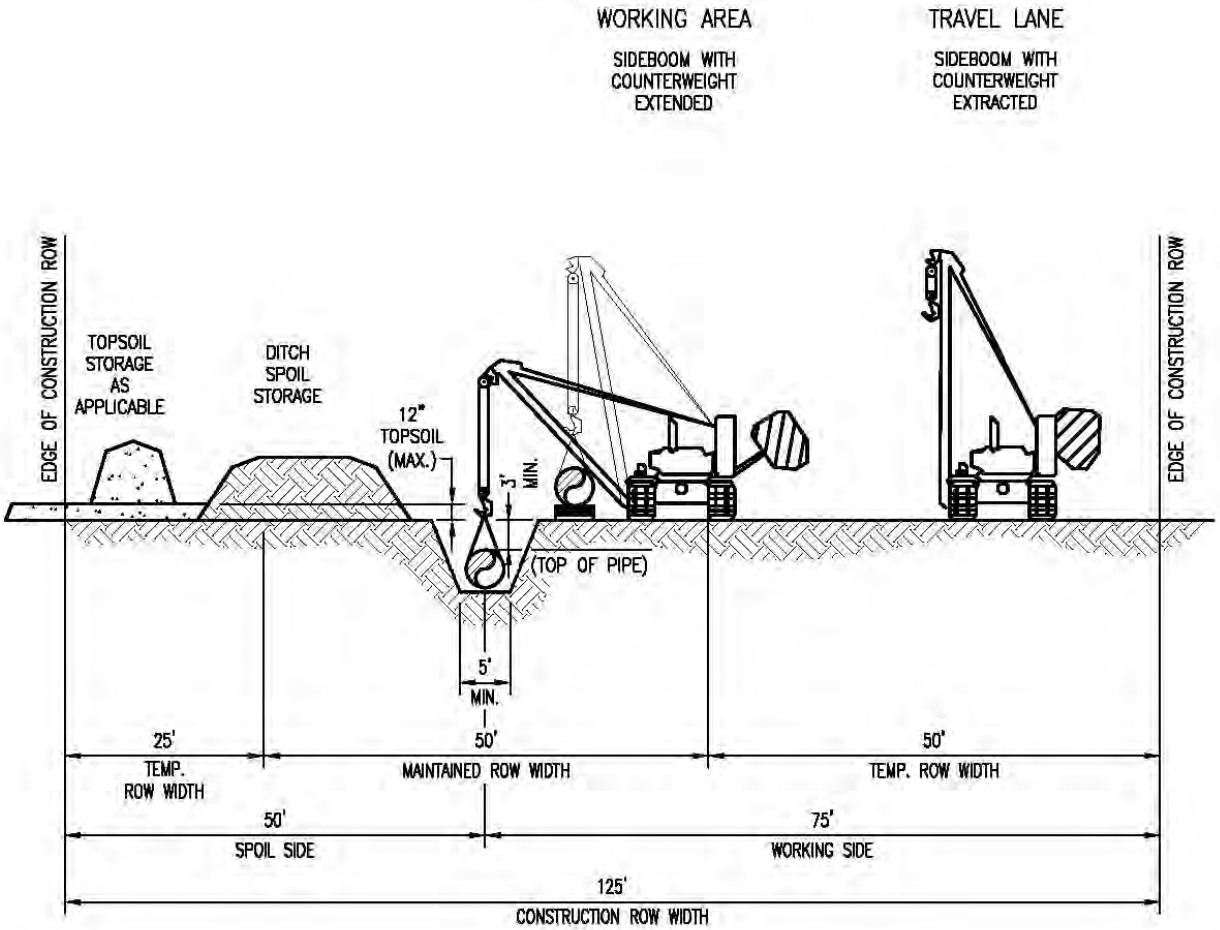
Source: Mountain Valley's FERC Application

C1-31
Mountain Valley Project
Mainline Construction
Steep Hill Parallel Construction
No Topsoil Segregation

APPENDIX C-2

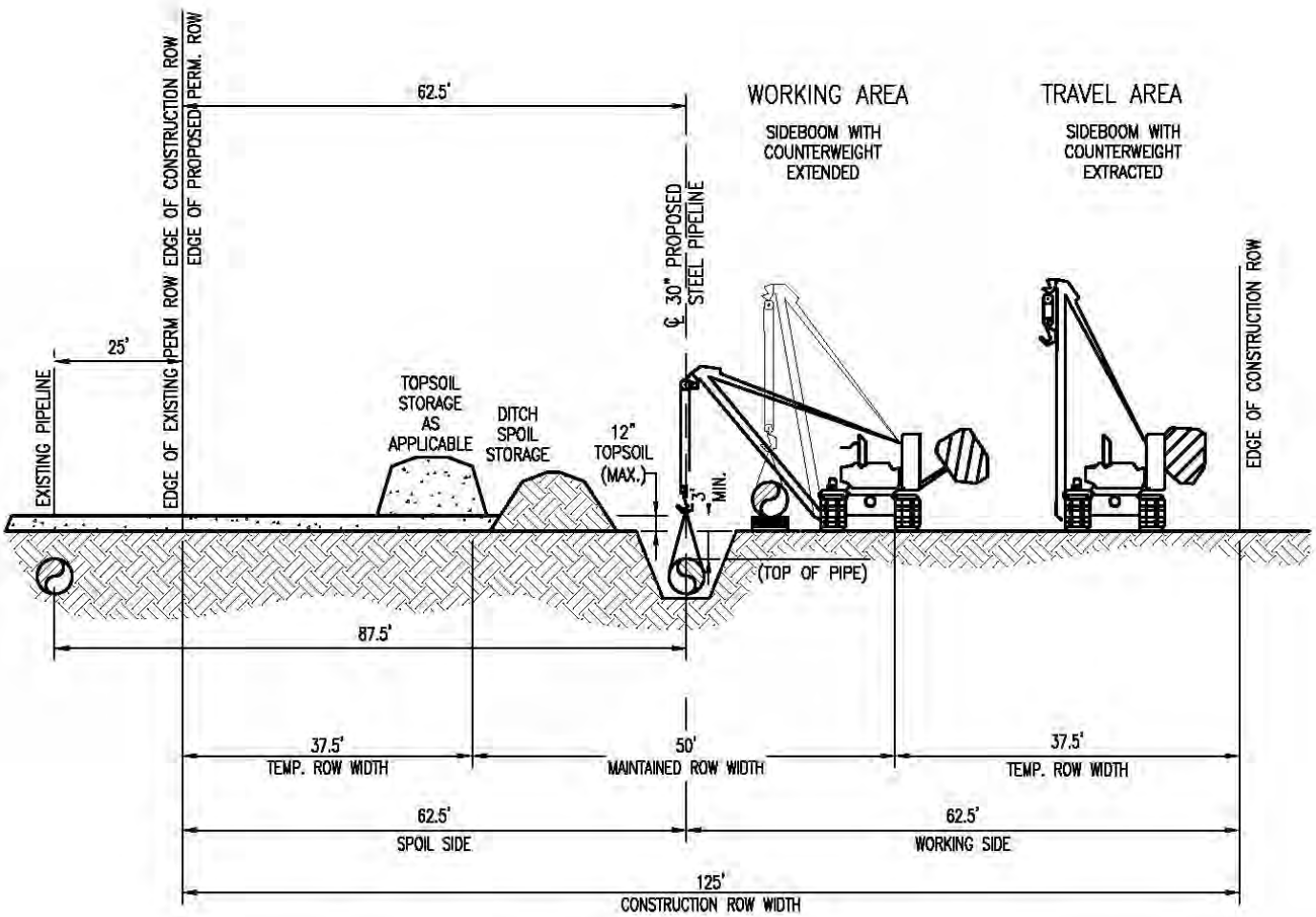
Typical Right-of-Way Configurations

Equitrans Expansion Project



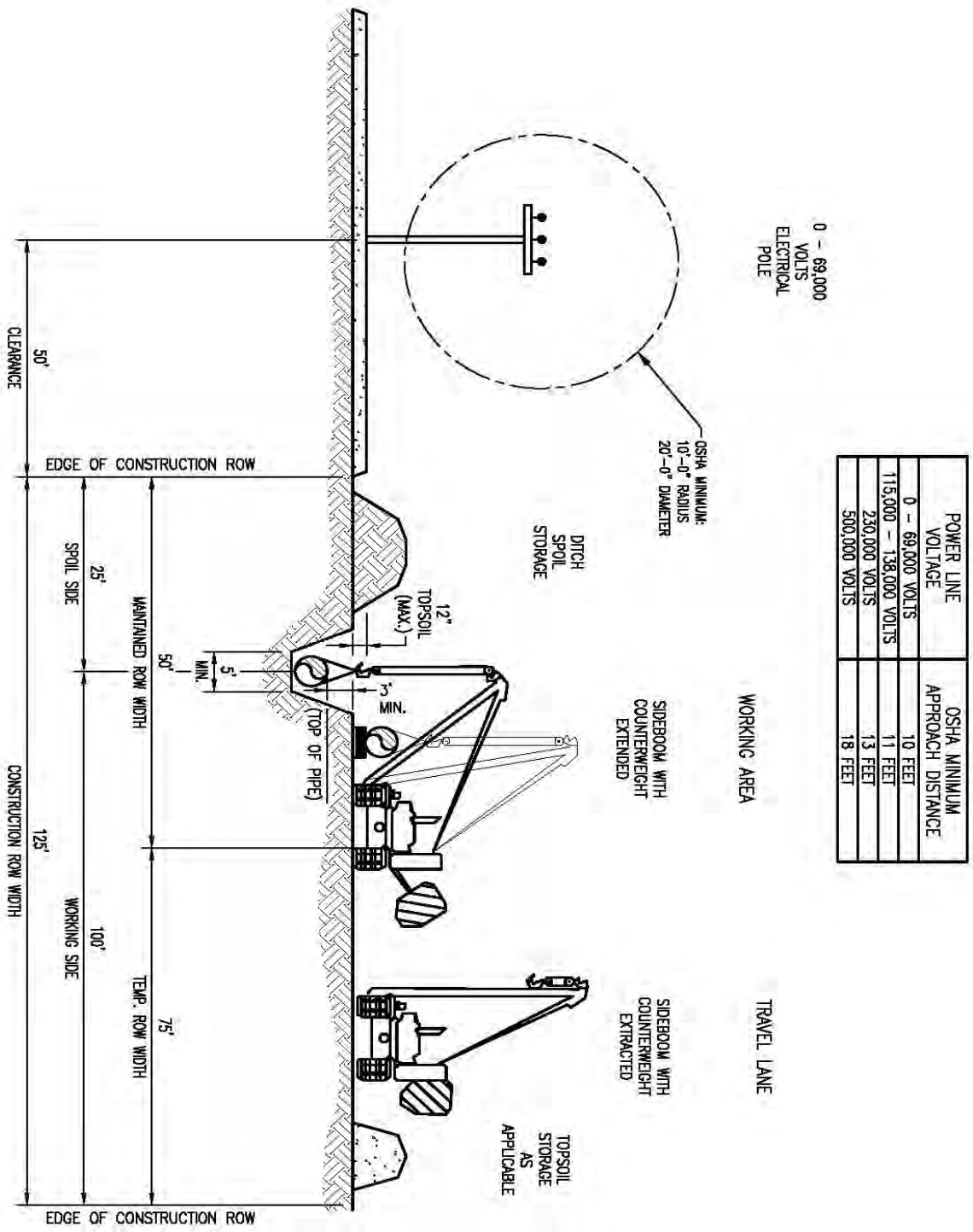
Source: Equitrans' FERC Application

C2-1
Equitrans Expansion Project
30" H-316 Non-Parallel Construction
With Topsoil Segregation
Right-of-Way



Source: Equitrans' FERC Application

C2-2
Equitrans Expansion Project
30" H-316
Parallel Construction
Right-of-Way

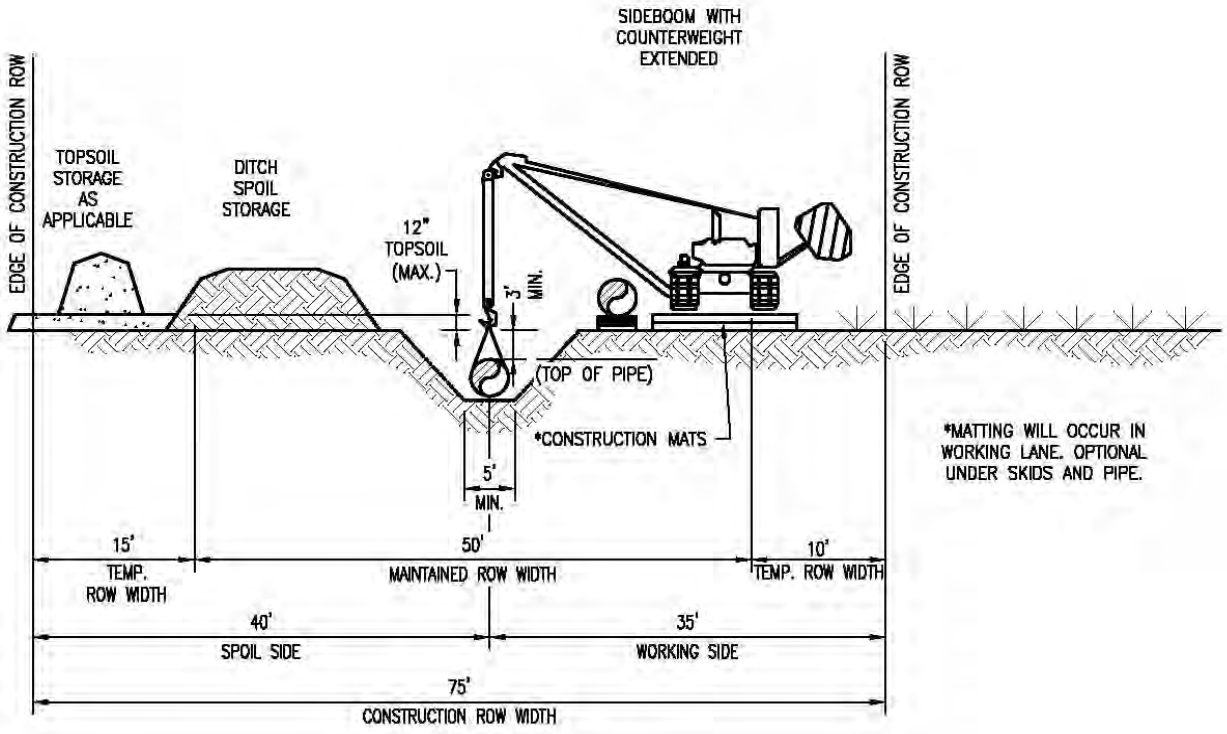


GENERAL NOTES:

1. DRAWING ASSUMES TYPE "B" SOIL

Source: Equitrans' FERC Application

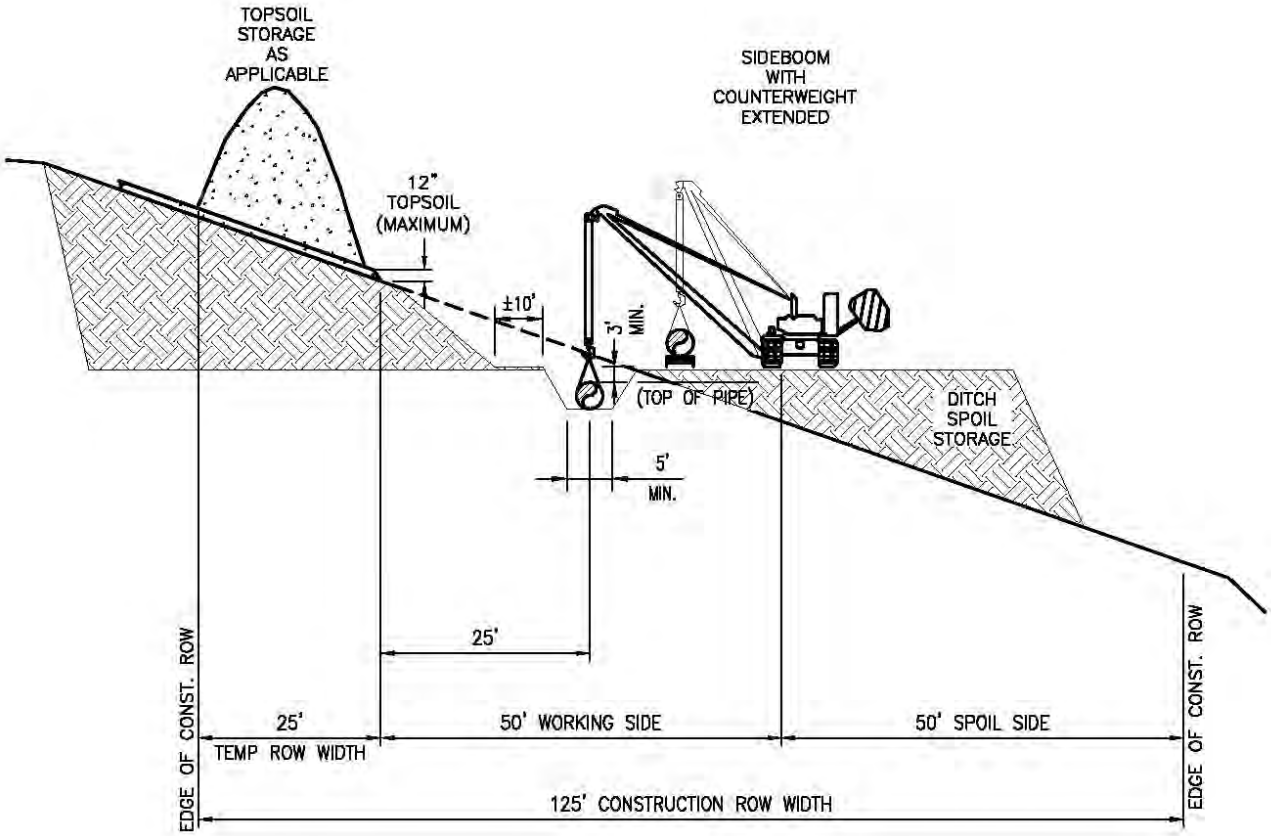
C2-3
Equitrans Expansion Project
30" H-316
Parallel to Power Lines
Right-of-Way



GENERAL NOTES:
1. EXTRA DEPTH MAY BE REQUIRED FOR CONCRETE COATED PIPE OR WEIGHTS.

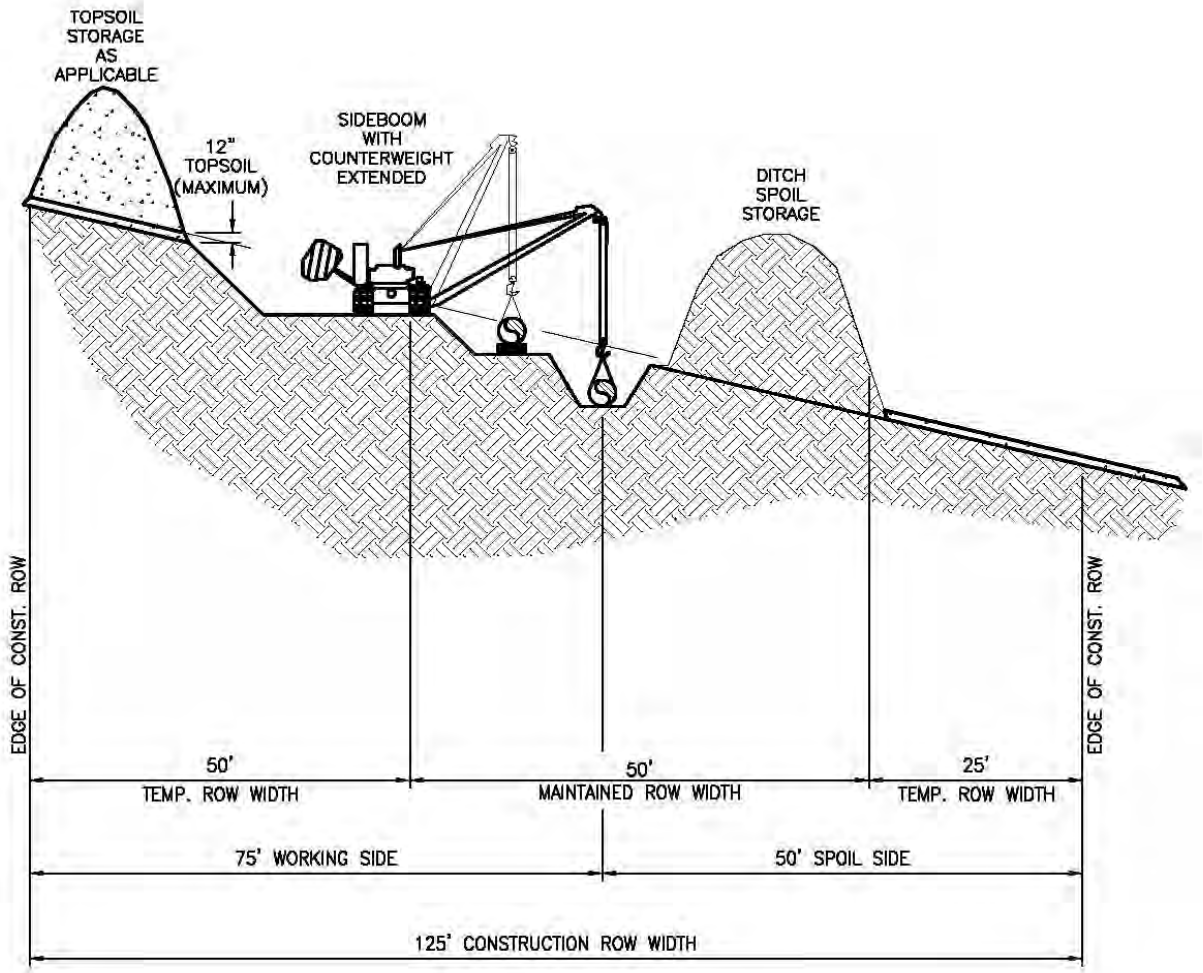
Source: Equitrans' FERC Application

C2-4
Equitrans Expansion Project
30" H-316 Wetland Construction
Working Area Non-Saturated
Right-of-Way



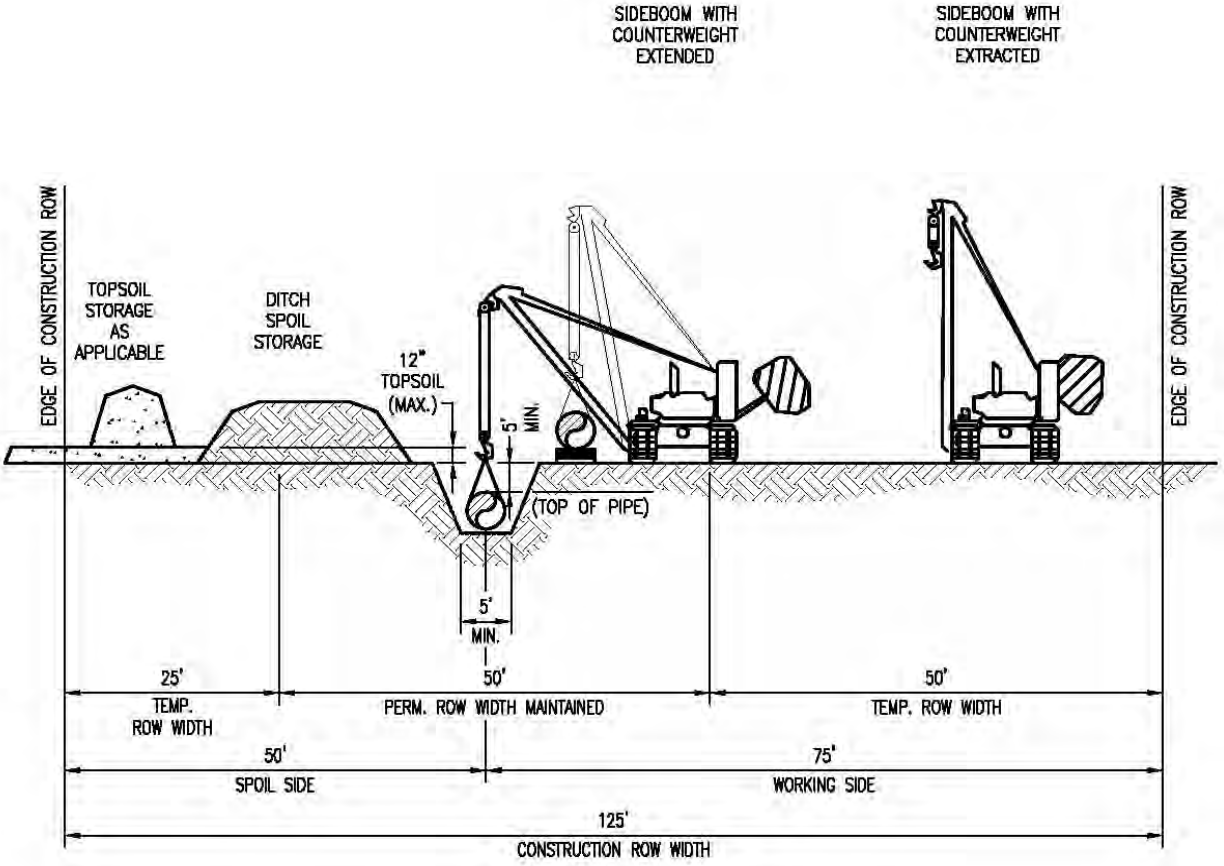
Source: Equitrans' FERC Application

C2-5
Equitrans Expansion Project
30" H-316
Side Hill Construction
Right-of-Way



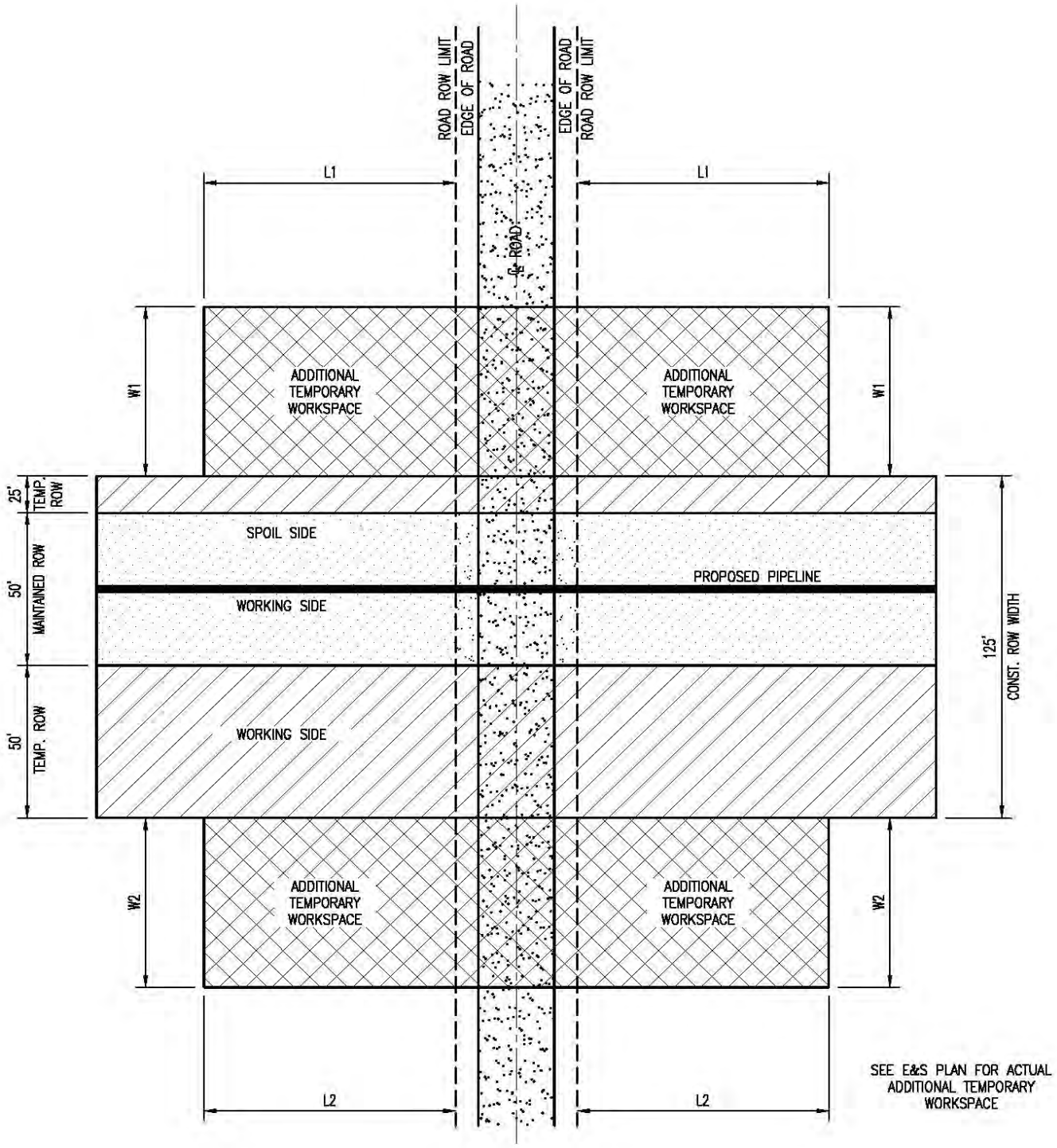
Source: Equitrans' FERC Application

C2-6
Equitrans Expansion Project
30" H-316
Two Tone Method
Right-of-Way



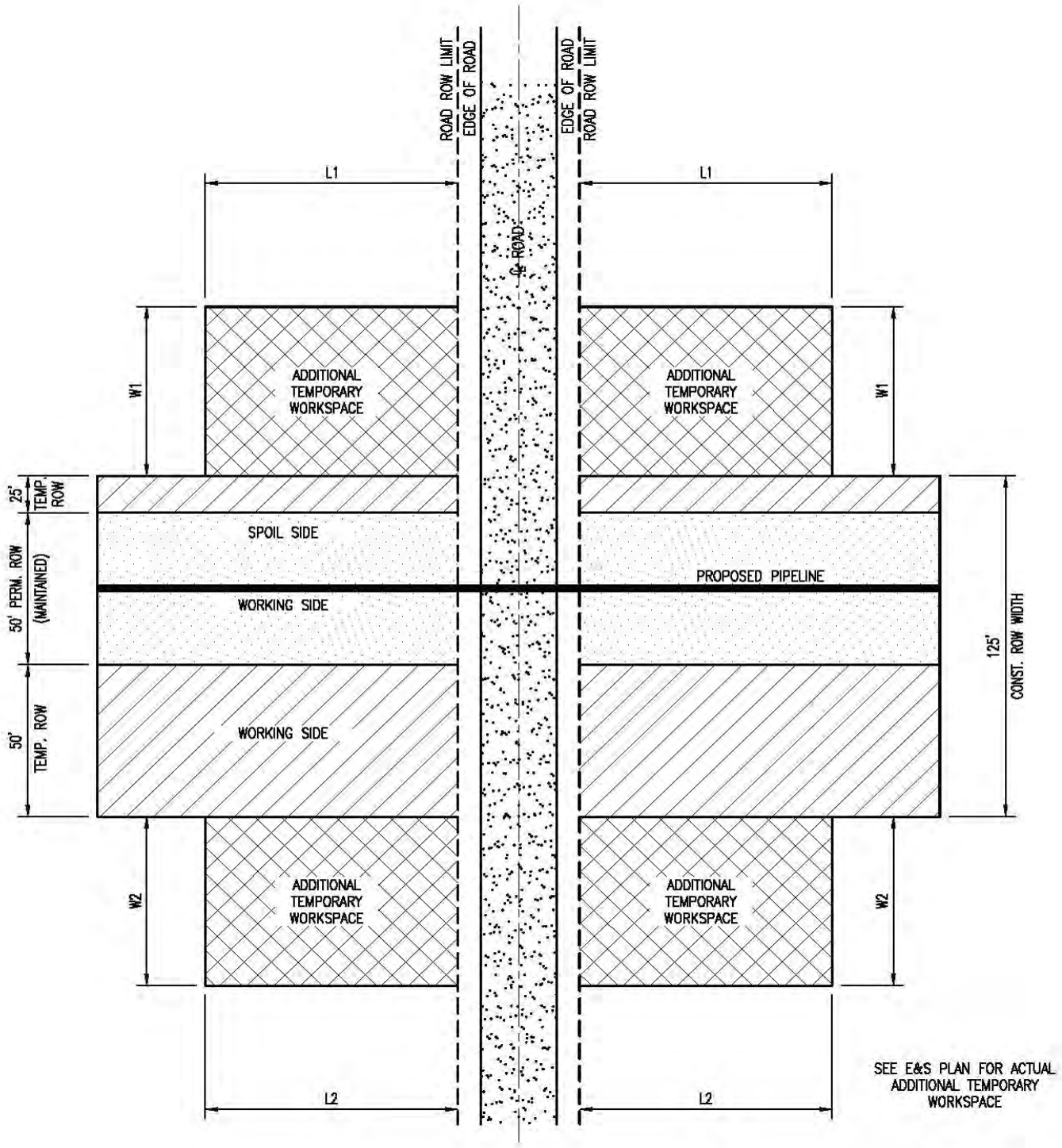
Source: Equitrans' FERC Application

C2-7
Equitrans Expansion Project
30" H-316 Non-Parallel Construction
Extra Depth Ditch (5' Cover)
Right-of-Way



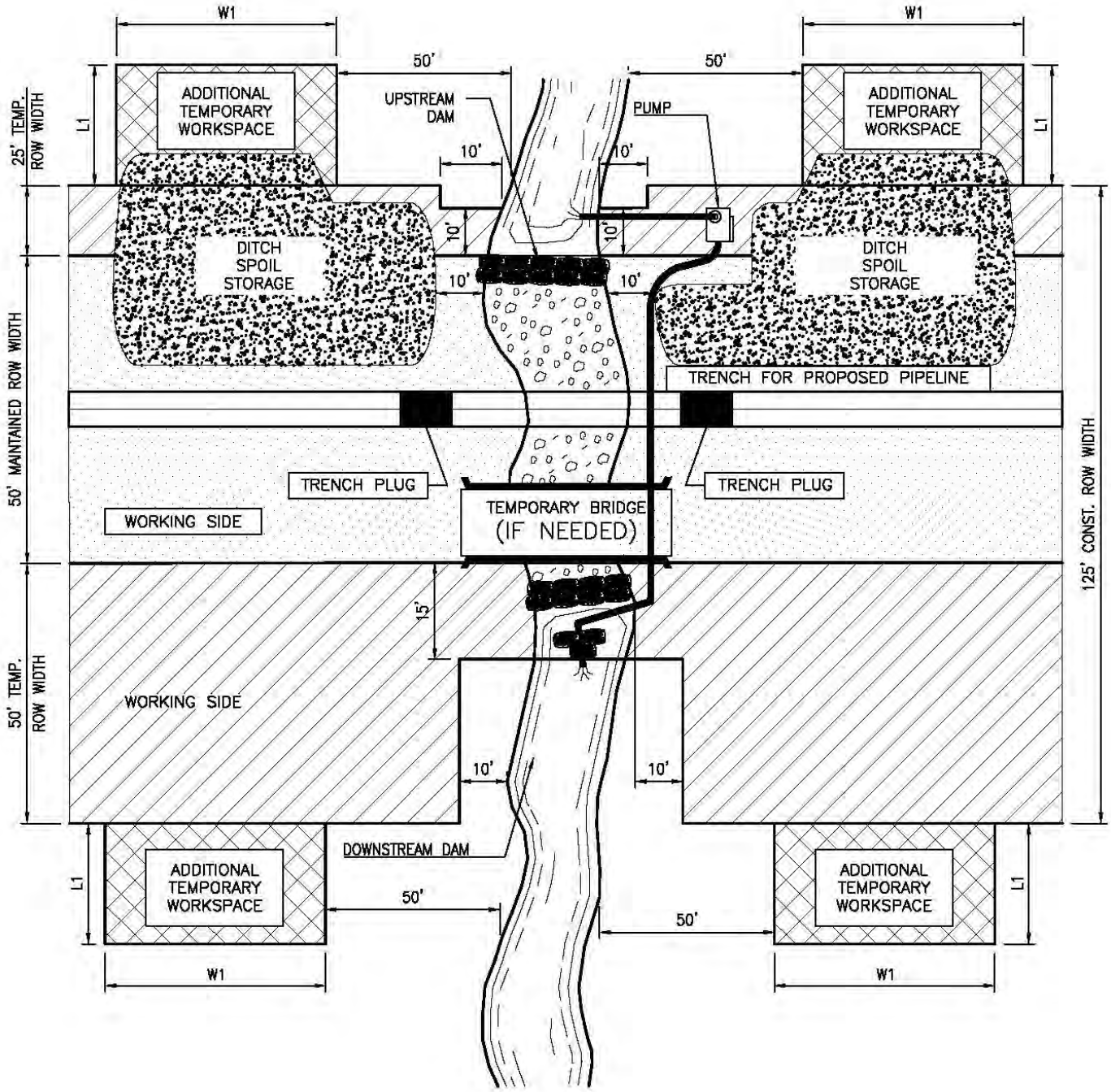
Source: Equitrans' FERC Application

C2-8
Equitrans Expansion Project
30" H-316
Open Cut Road Crossing
Right-of-Way



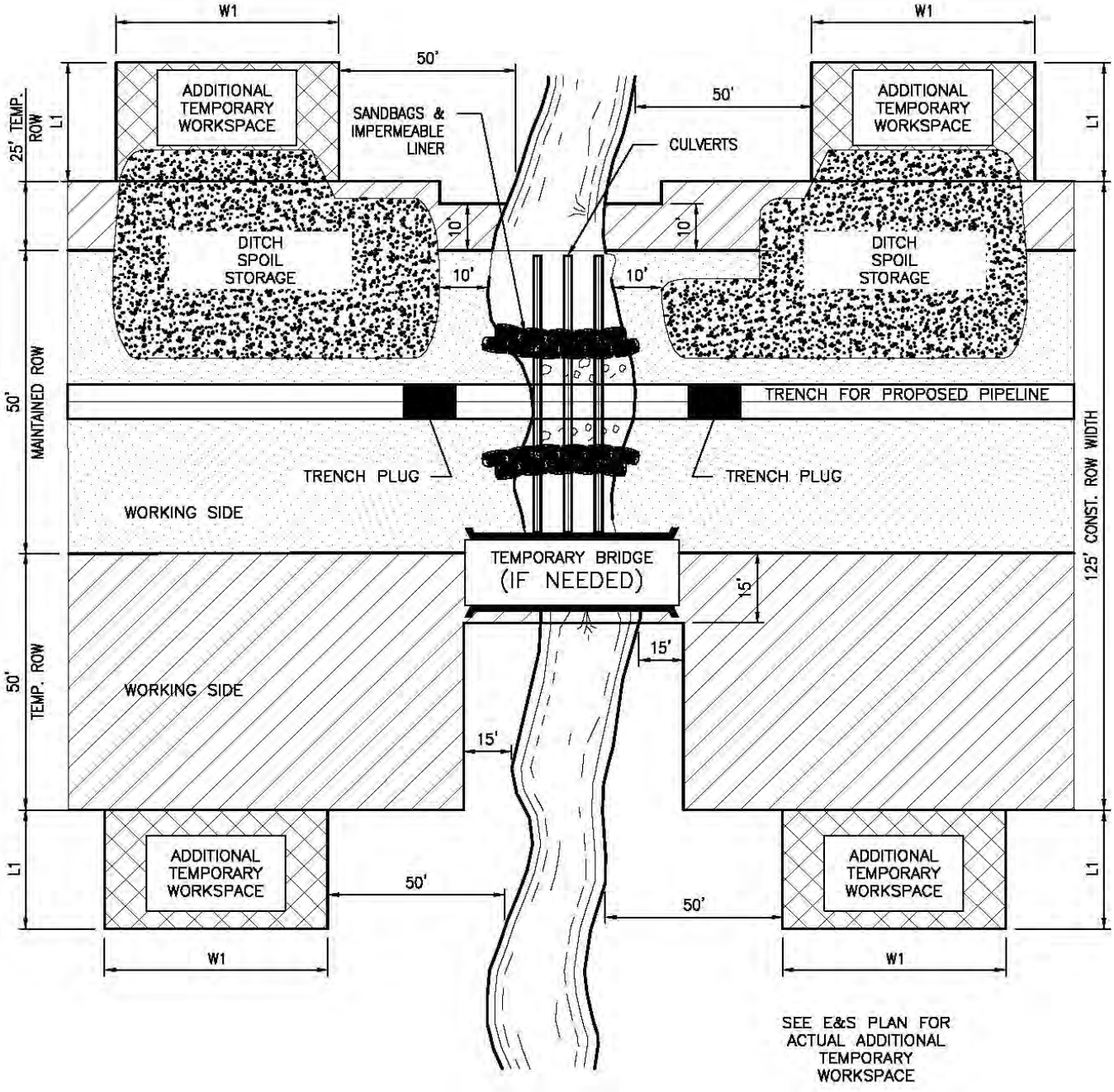
Source: Equitrans' FERC Application

C2-9
Equitrans Expansion Project
30" H-316
Bored Road Crossing
Right-of-Way



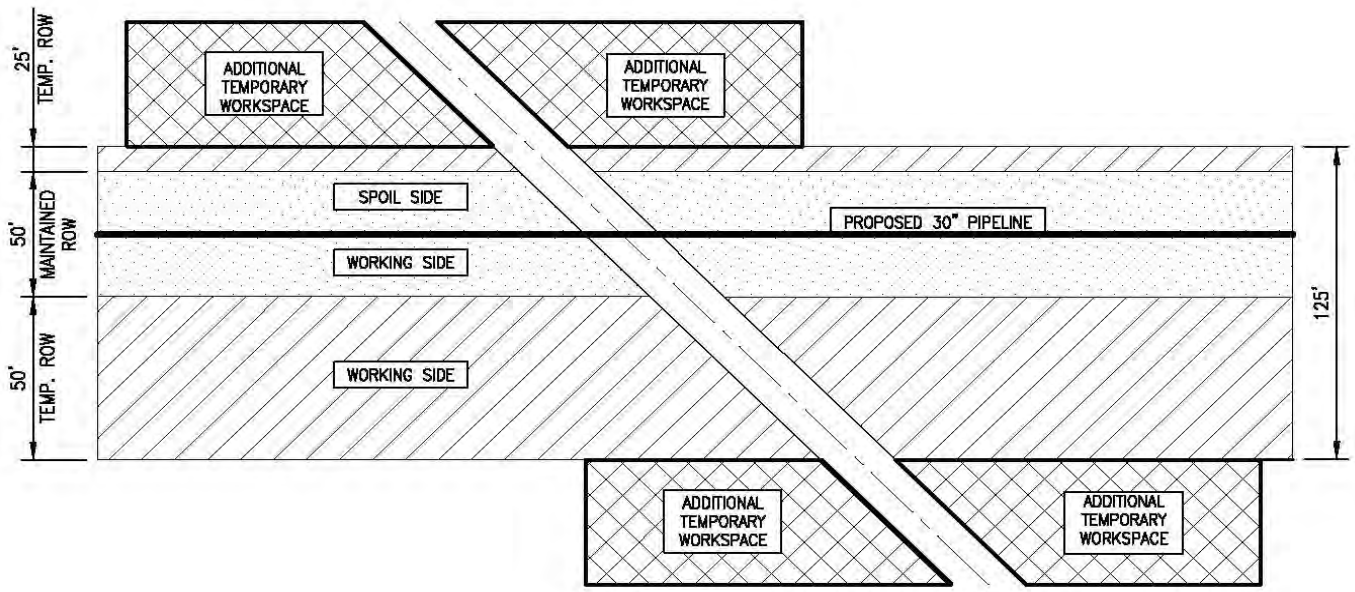
Source: Equitrans' FERC Application

C2-10A
Equitrans Expansion Project
30" H-316
Open Cut – Dam and Pump
Right-of-Way



Source: Equitrans' FERC Application

C2-10B
Equitrans Expansion Project
30" H-316
Open Cut – Flume
Right-of-Way

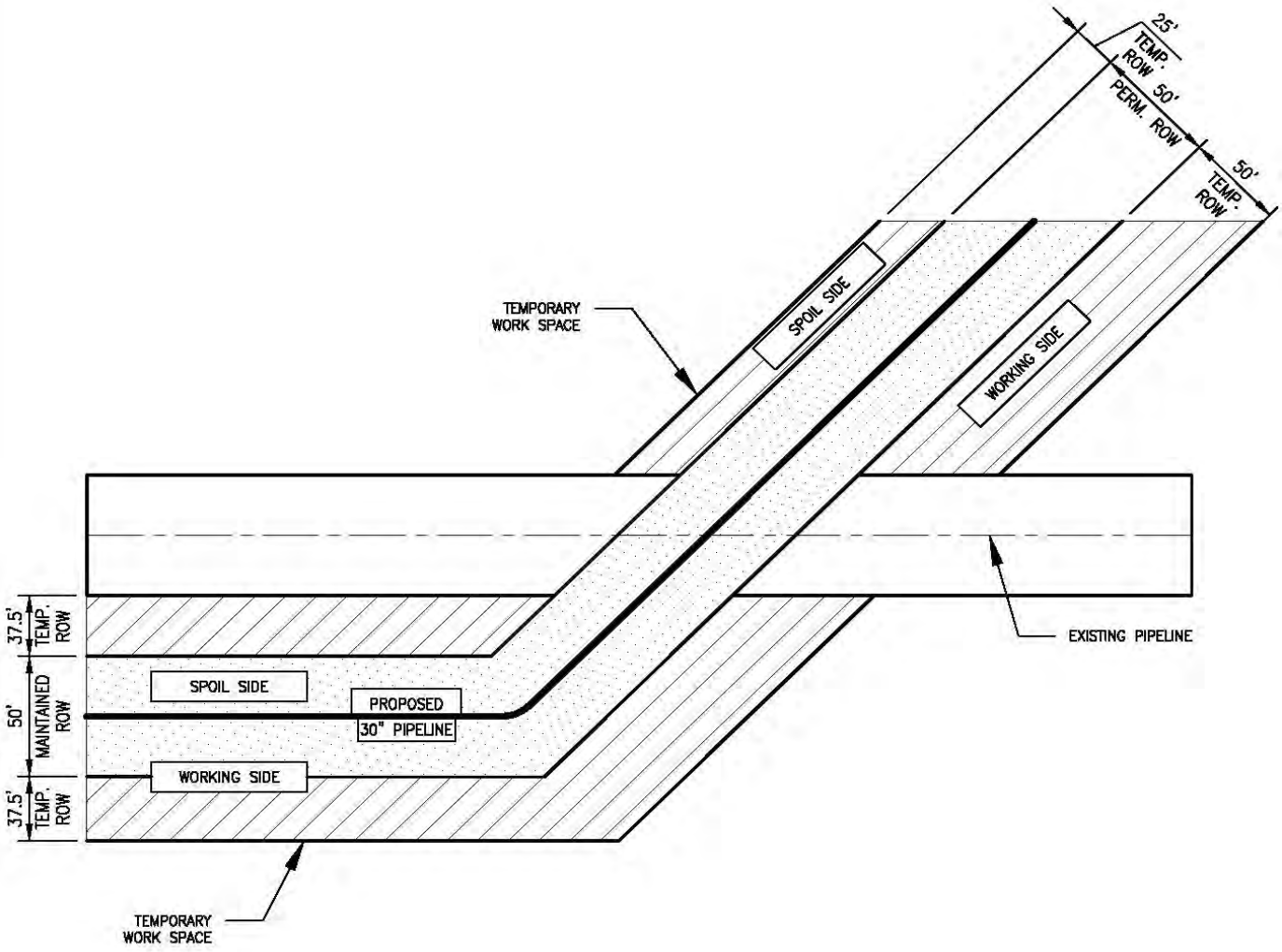


NOTE:

1. DIMENSIONS DEPENDENT ON PROPOSED AND EXISTING PIPELINE DIAMETERS, BURIAL DEPTHS AND LOCAL SITE SPECIFIC CONDITIONS.
2. TRAVEL LANE ON WORKING SIDE TO BE MATTED AS REQUIRED BY EXISTING PIPELINE COMPANY REQUIREMENTS AND LOCAL CONDITIONS.
3. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.

Source: Equitrans' FERC Application

C2-11
Equitrans Expansion Project
30" H-316
Pipeline Crossing
Right-of-Way

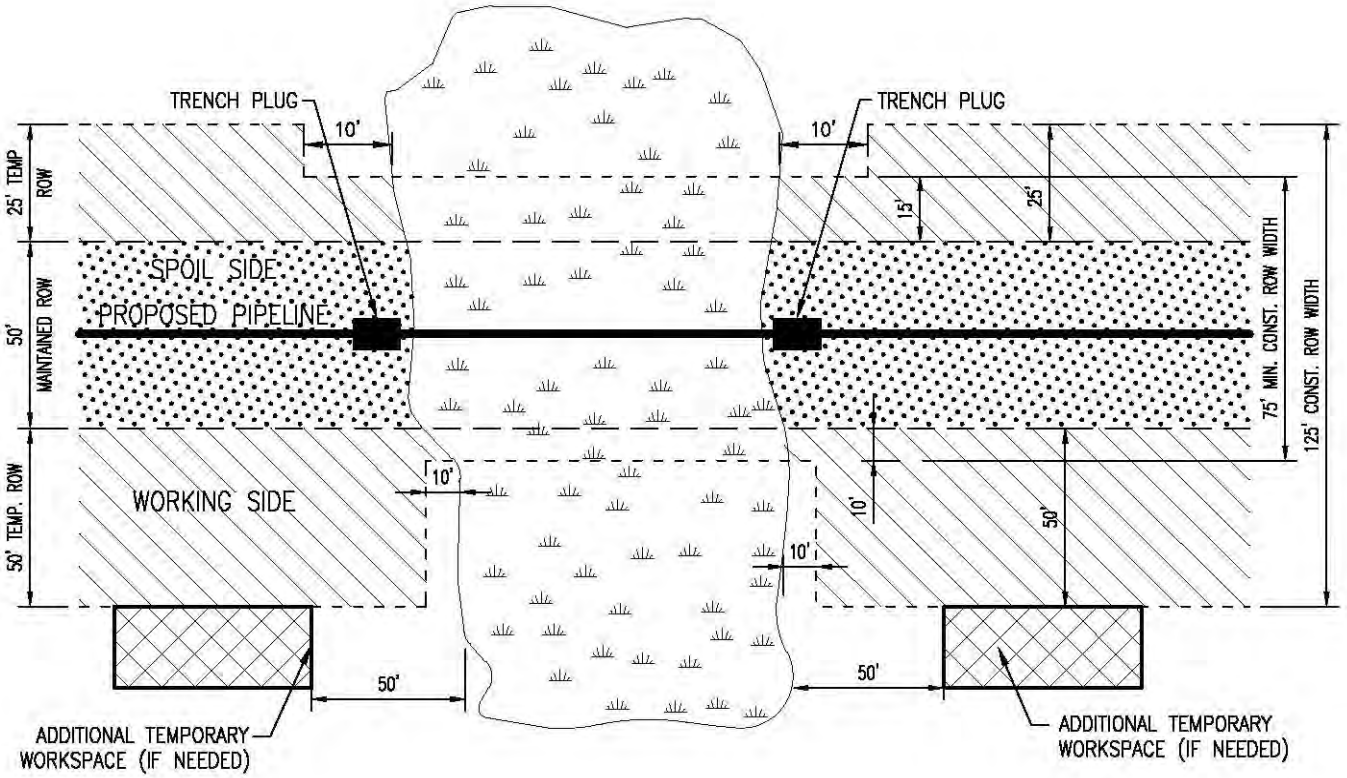


GENERAL NOTES:

1. IF ATWS IS EXTENDED ONTO EXISTING R.O.W. OR WHERE EQUIPMENT IS TO CROSS, MATTING MAY BE REQUIRED.

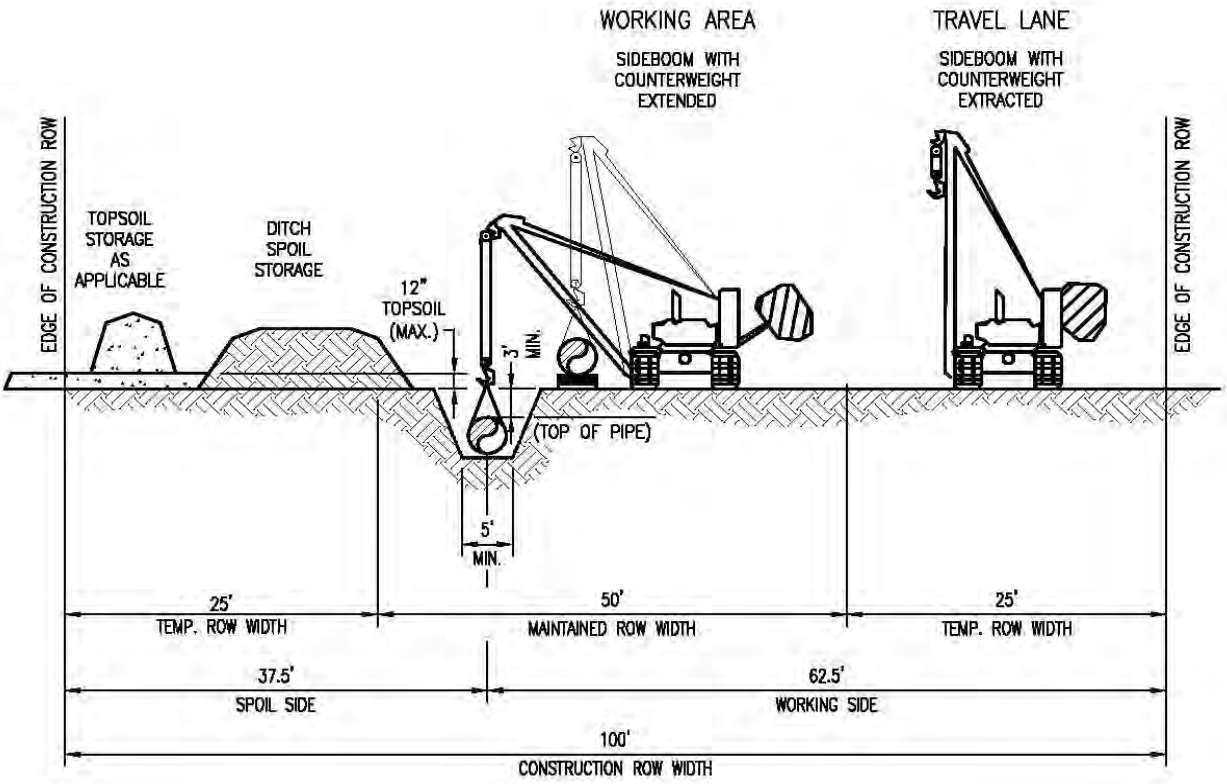
Source: Equitrans' FERC Application

C2-12
Equitrans Expansion Project
30" H-316
Pipeline Crossing From Parallel
Right-of-Way



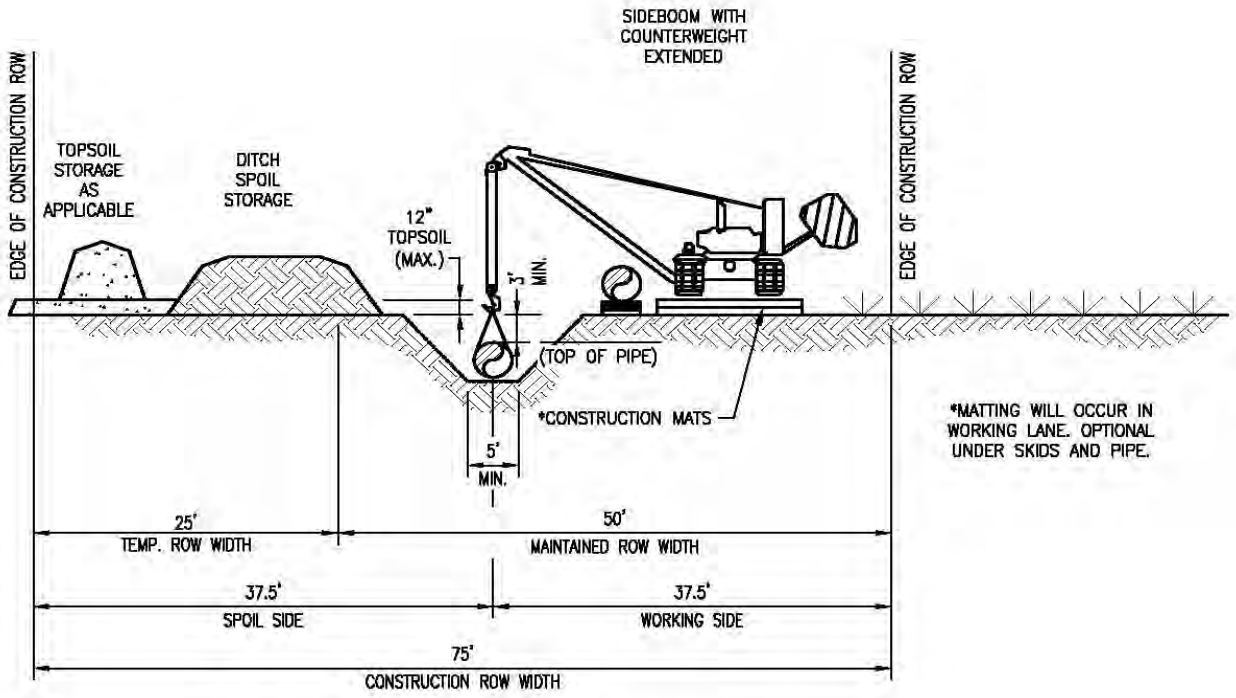
Source: Equitrans' FERC Application

C2-13
Equitrans Expansion Project
30" H-316
Wetland Crossing
Right-of-Way



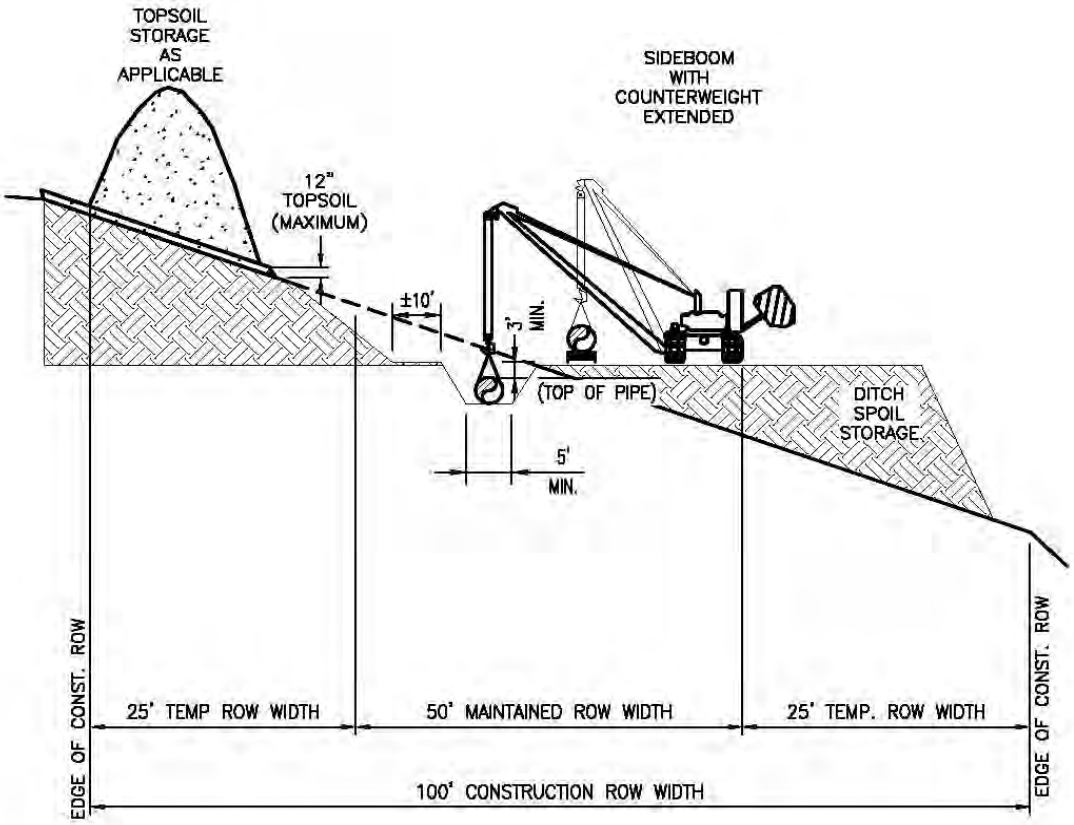
Source: Equitrans' FERC Application

C2-14
Equitrans Expansion Project
20" H-318 Non-Parallel Construction
With Topsoil Segregation
Right-of-Way



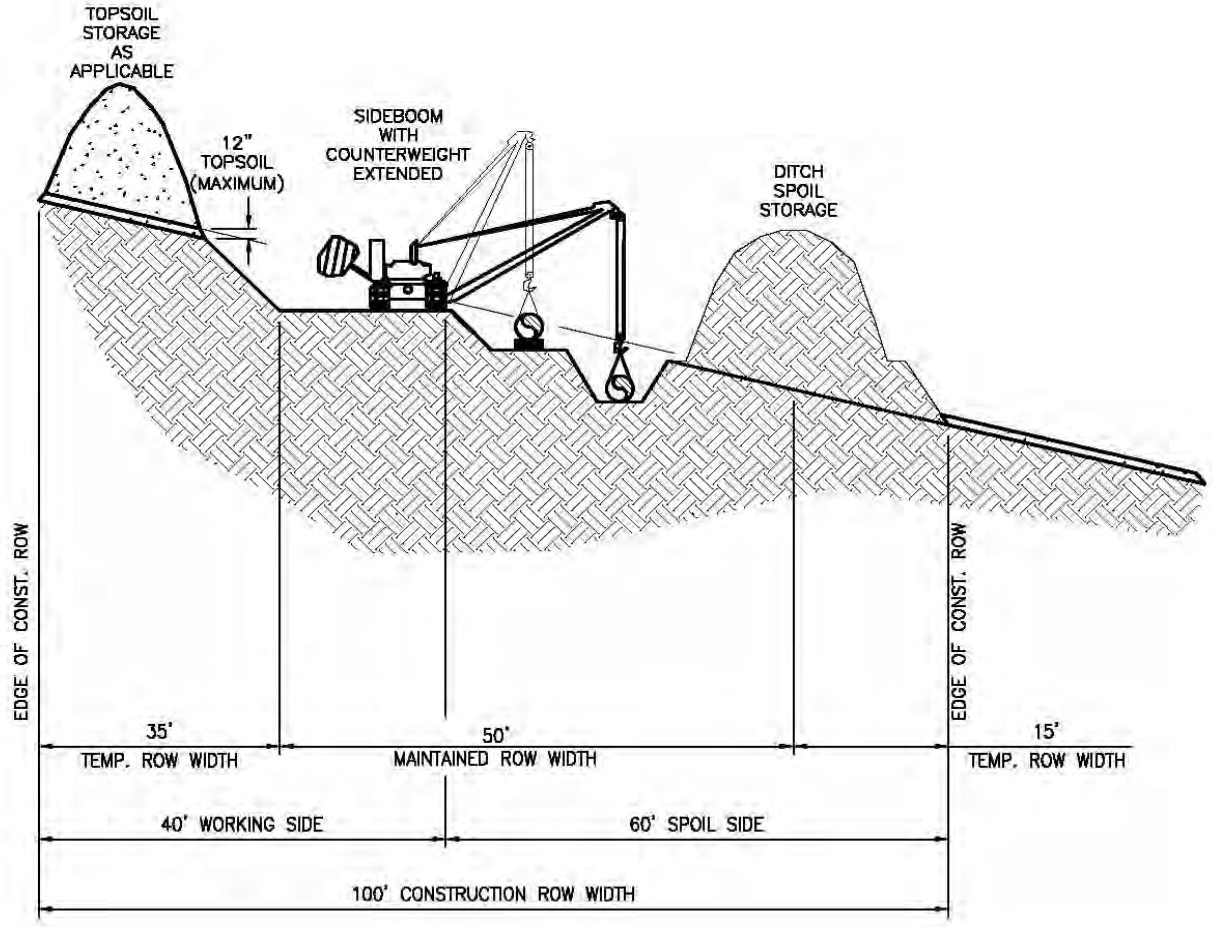
Source: Equitrans' FERC Application

C2-15
Equitrans Expansion Project
20" H-318 Non-Parallel Construction
Working Area Non-Saturated
Right-of-Way



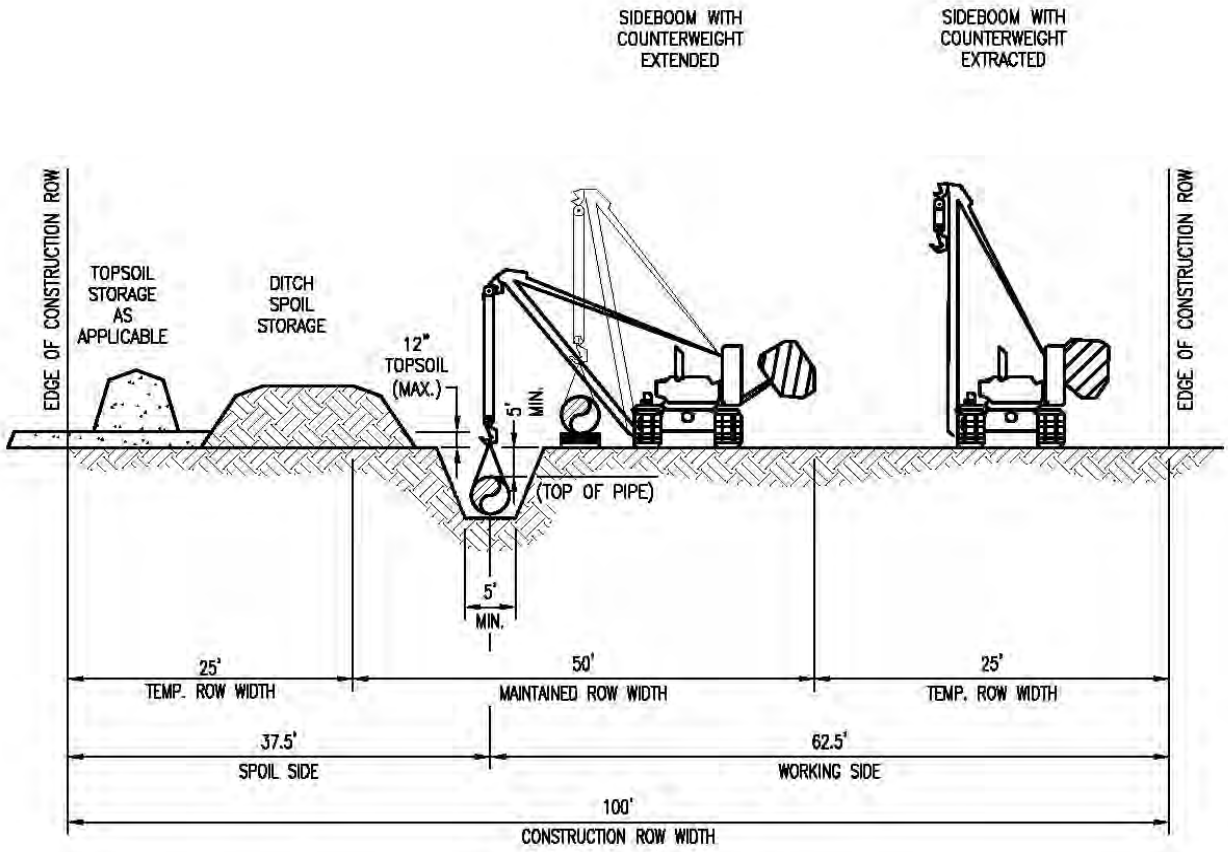
Source: Equitrans' FERC Application

C2-16
Equitrans Expansion Project
20" H-318
Side Hill Construction
Right-of-Way



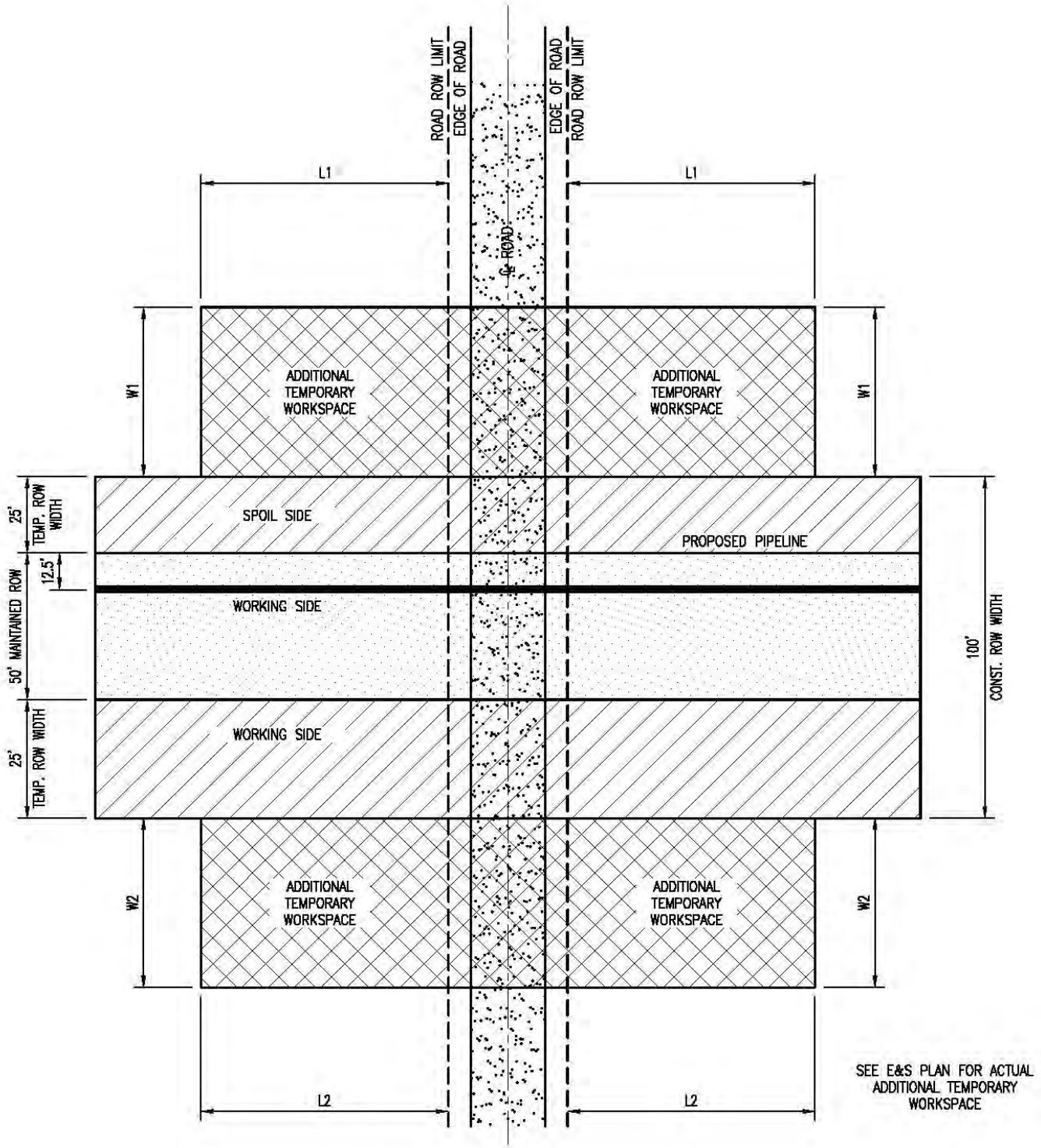
Source: Equitrans' FERC Application

C2-17
Equitrans Expansion Project
20" H-318 Side Hill
Two Tone Method
Right-of-Way



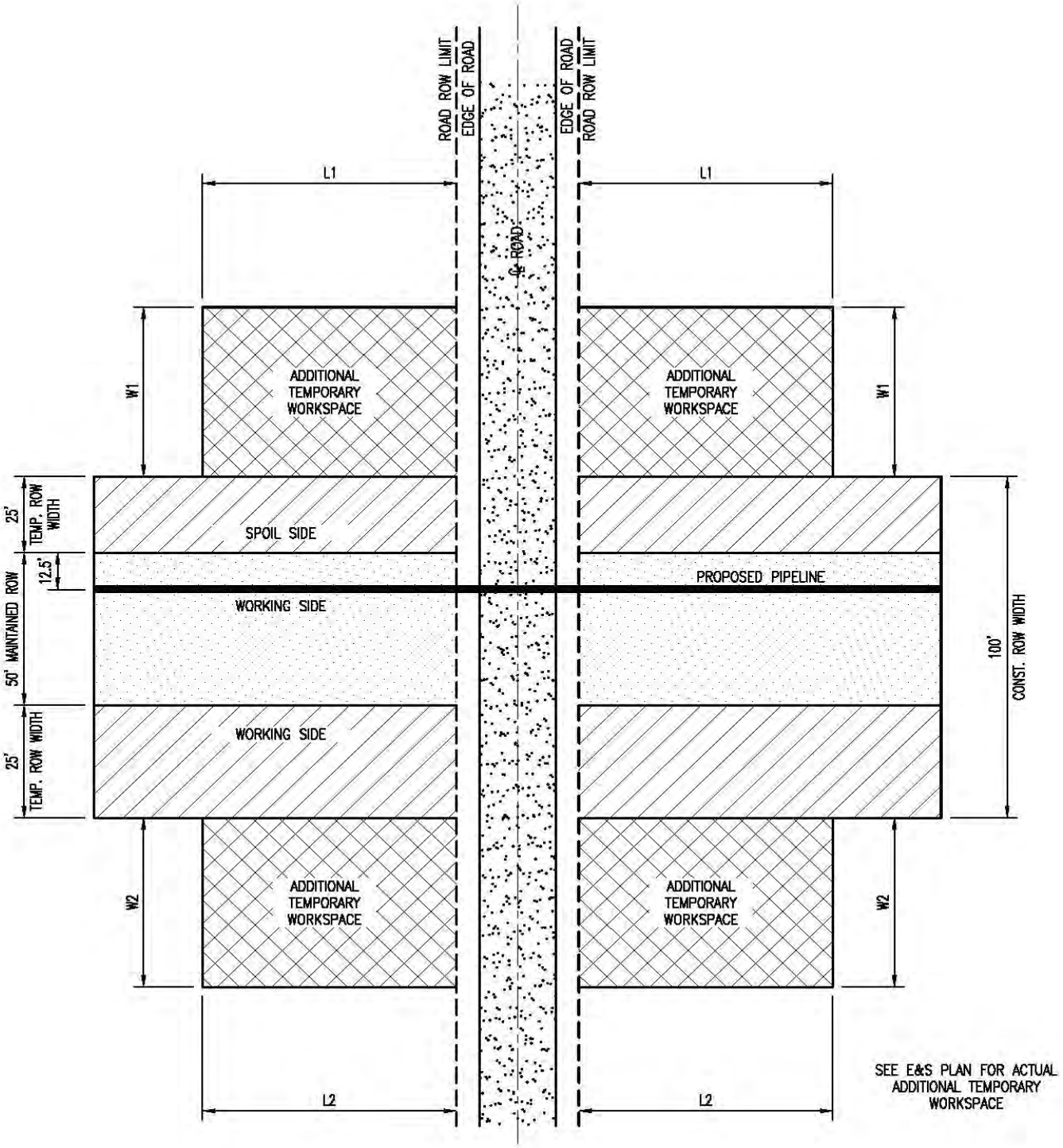
Source: Equitrans' FERC Application

C2-18
Equitrans Expansion Project
20" H-318 Non-Parallel Construction
Extra Depth Ditch (5' Cover)
Right-of-Way



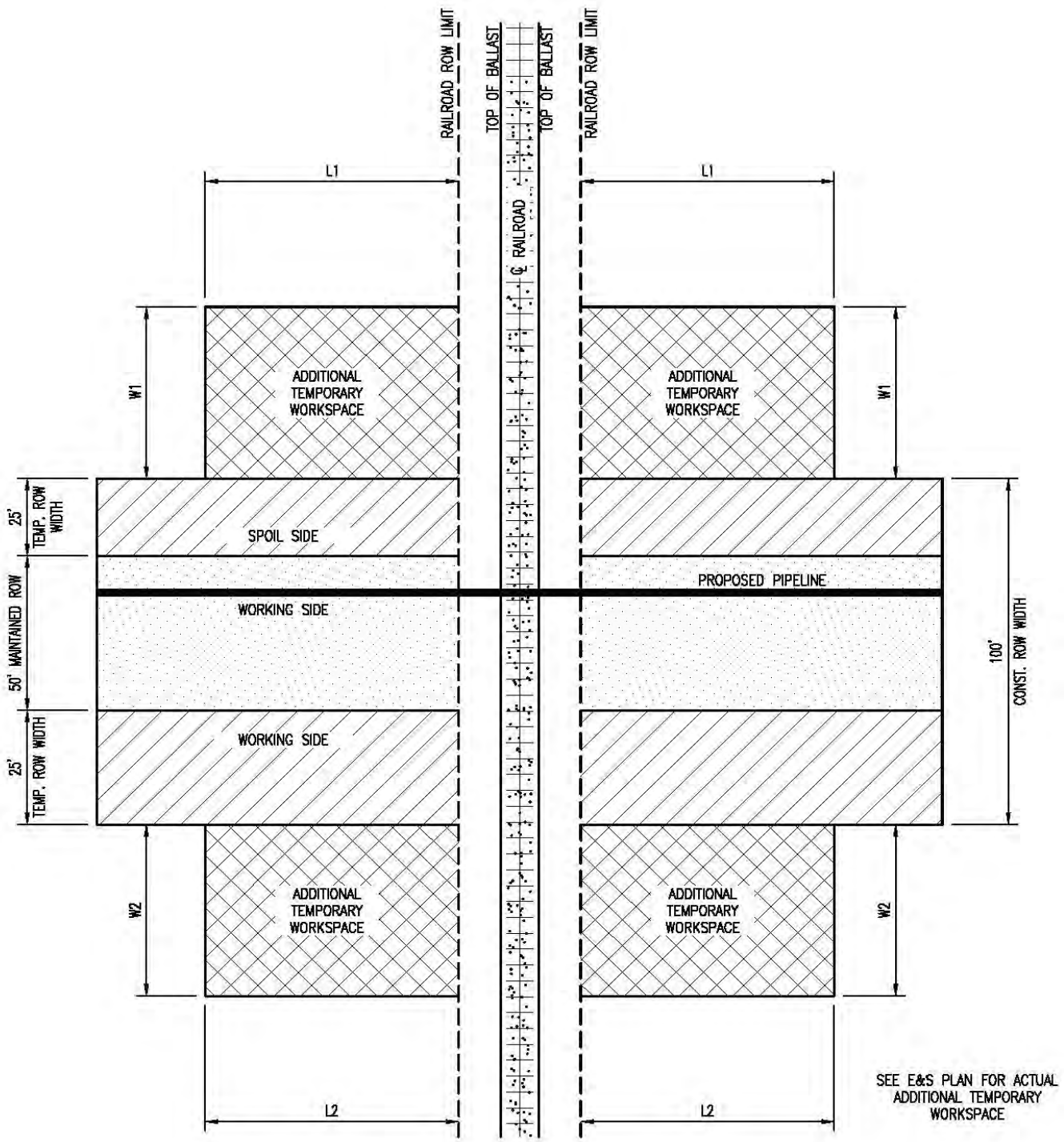
Source: Equitrans' FERC Application

C2-19
Equitrans Expansion Project
20" H-318
Open Cut Road Crossing
Right-of-Way



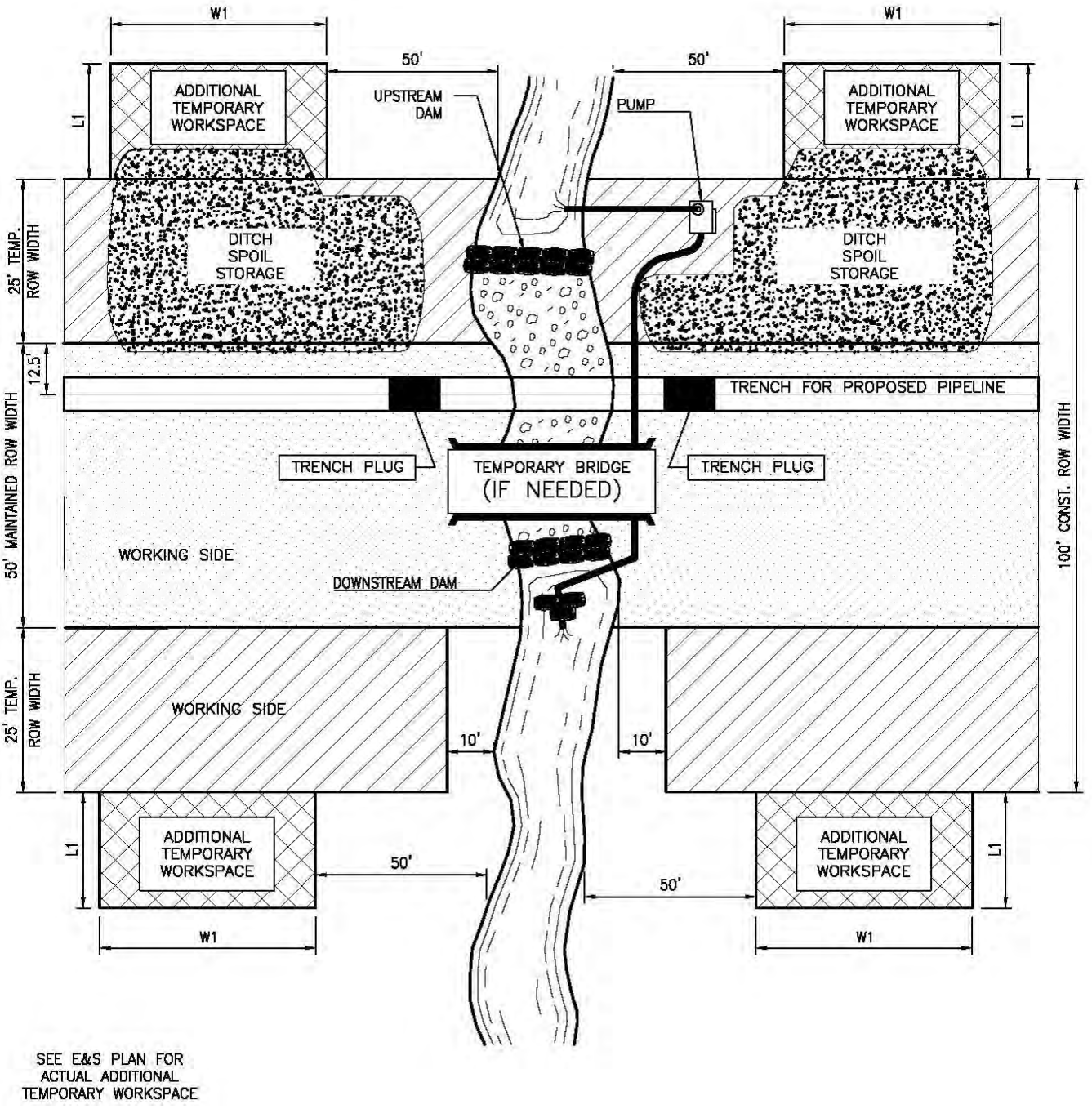
Source: Equitrans' FERC Application

C2-20
Equitrans Expansion Project
20" H-318
Bored Road Crossing
Right-of-Way



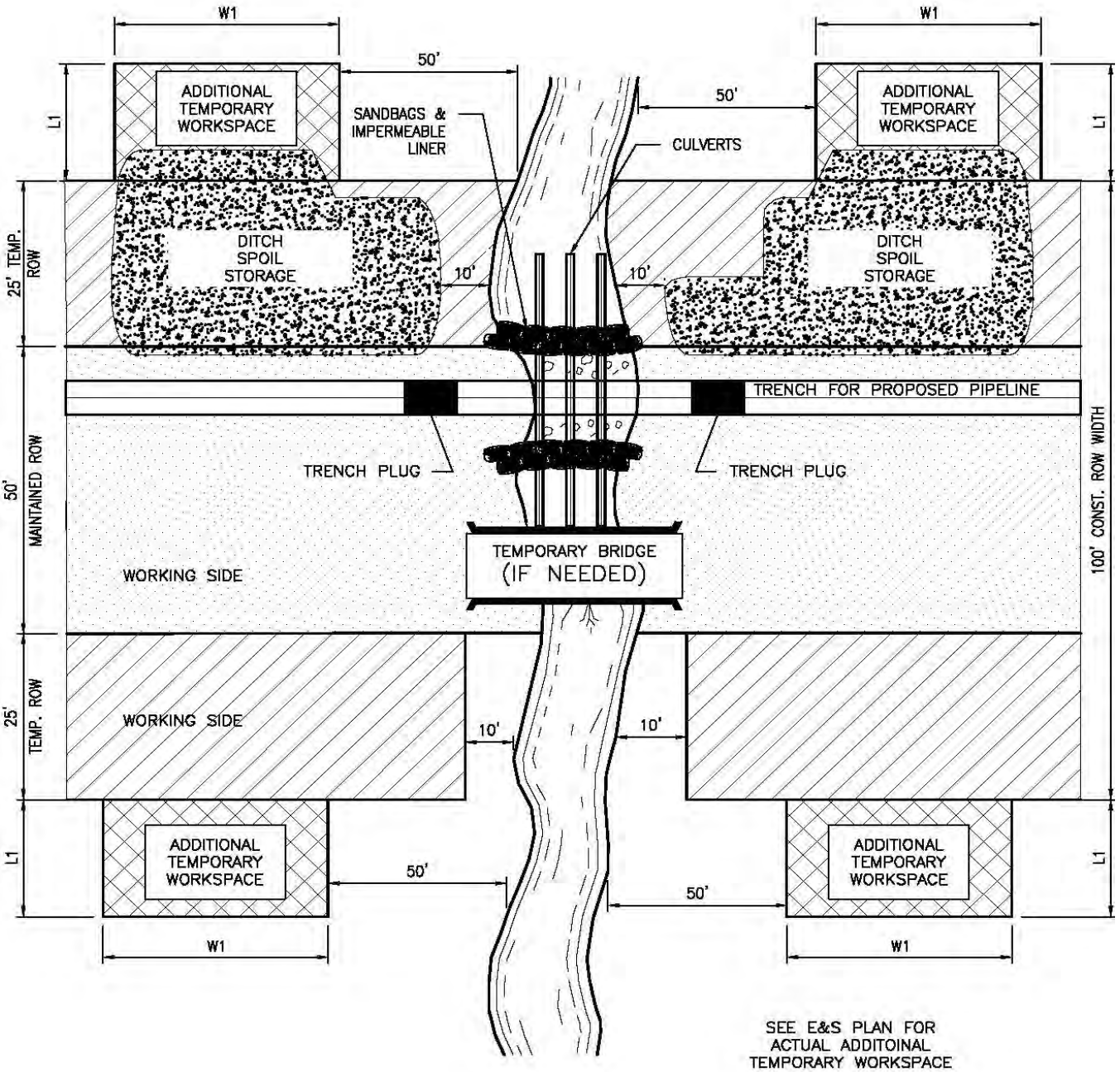
Source: Equitrans' FERC Application

C2-21
Equitrans Expansion Project
20" H-318
Bored Rail Road Crossing
Right-of-Way



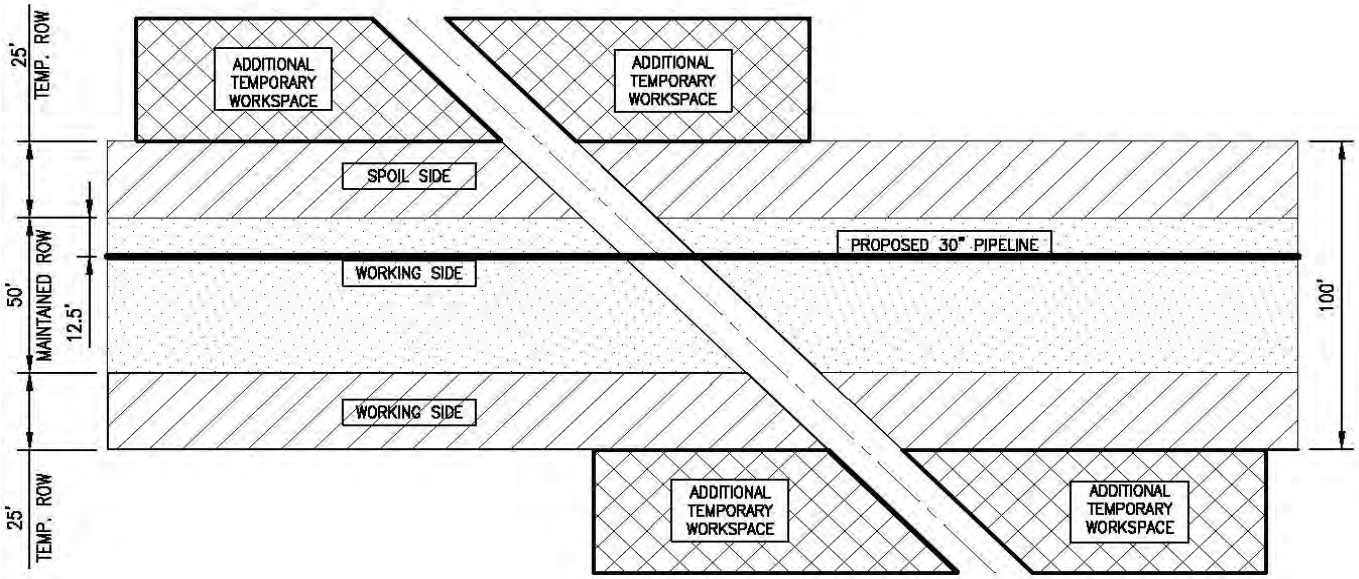
Source: Equitrans' FERC Application

C2-22A
Equitrans Expansion Project
20" H-318
Open Cut – Dam and Pump
Right-of-Way



Source: Equitrans' FERC Application

C2-22B
Equitrans Expansion Project
20" H-318
Open Cut – Flume
Right-of-Way

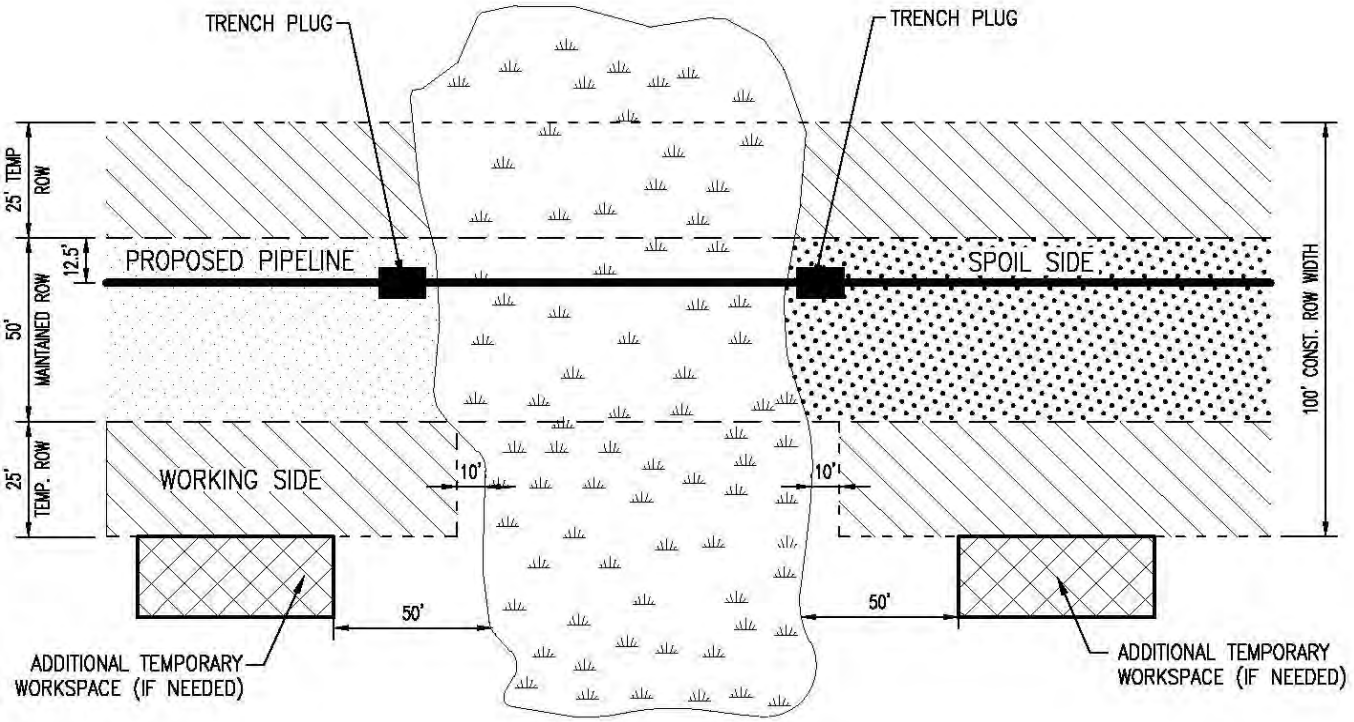


NOTE:

1. DIMENSIONS DEPENDENT ON PROPOSED AND EXISTING PIPELINE DIAMETERS, BURIAL DEPTHS AND LOCAL SITE SPECIFIC CONDITIONS.
2. TRAVEL LANE ON WORKING SIDE TO BE MATTED AS REQUIRED BY EXISTING PIPELINE COMPANY REQUIREMENTS AND LOCAL CONDITIONS.
3. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.

Source: Equitrans' FERC Application

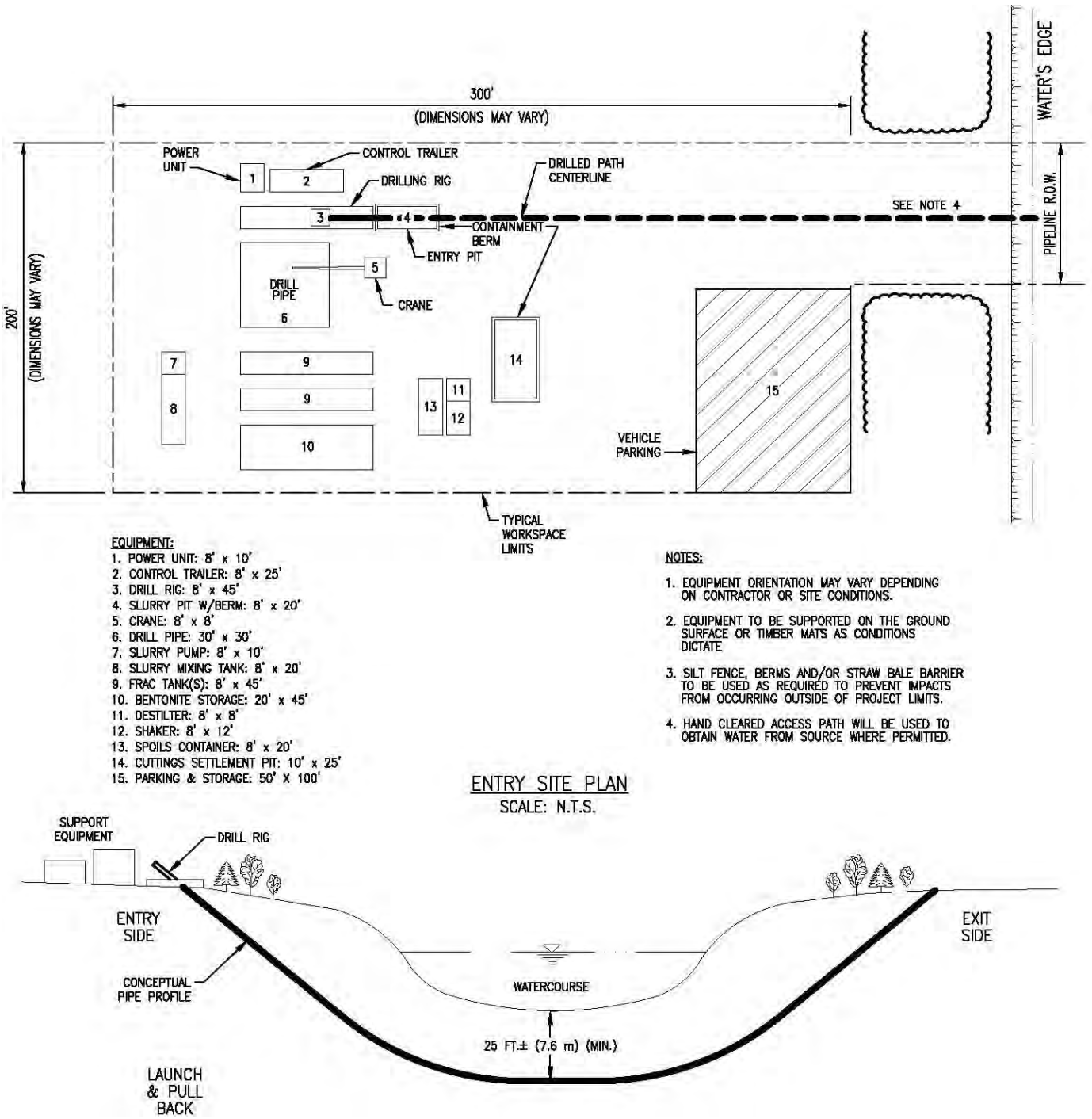
C2-23
Equitrans Expansion Project
20" H-318
Pipeline Crossing
Right-of-Way



SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.

Source: Equitrans' FERC Application

C2-24
Equitrans Expansion Project
20" H-318
Wetland Crossing
Right-of-Way



EQUIPMENT:
1. POWER UNIT: 8' x 10'
2. CONTROL TRAILER: 8' x 25'
3. DRILL RIG: 8' x 45'
4. SLURRY PIT W/BERM: 8' x 20'
5. CRANE: 8' x 8'
6. DRILL PIPE: 30' x 30'
7. SLURRY PUMP: 8' x 10'
8. SLURRY MIXING TANK: 8' x 20'
9. FRAC TANK(S): 8' x 45'
10. BENTONITE STORAGE: 20' x 45'
11. DESTILTER: 8' x 8'
12. SHAKER: 8' x 12'
13. SPOILS CONTAINER: 8' x 20'
14. CUTTINGS SETTLEMENT PIT: 10' x 25'
15. PARKING & STORAGE: 50' X 100'

NOTES:

1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE
3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

ENTRY SITE PLAN
SCALE: N.T.S.

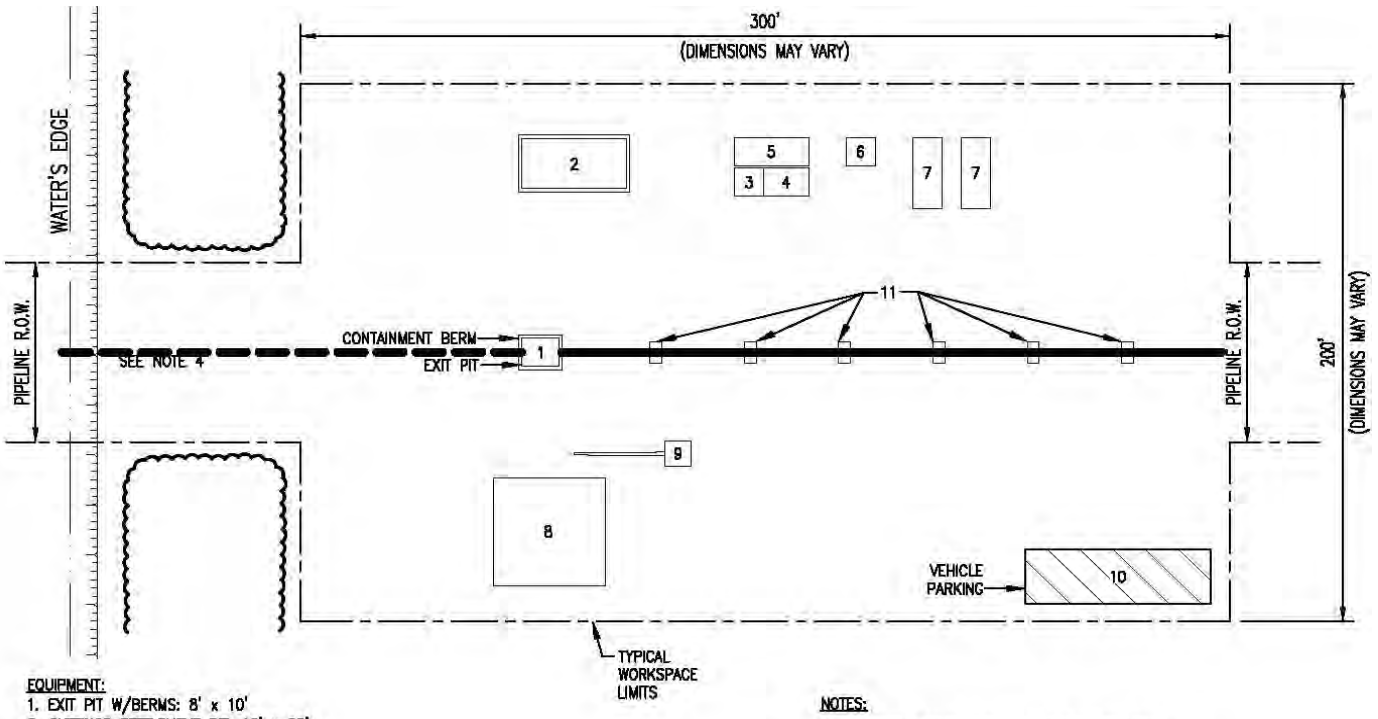
PROFILE
SCALE: N.T.S.

GENERAL NOTES:

1. PIPE DEPTHS MAY VARY

Source: Equitrans' FERC Application

C2-25
Equitrans Expansion Project
30" H-316 / 20" H-318
Typical Directional Drill
Entry Site Plan & Profile

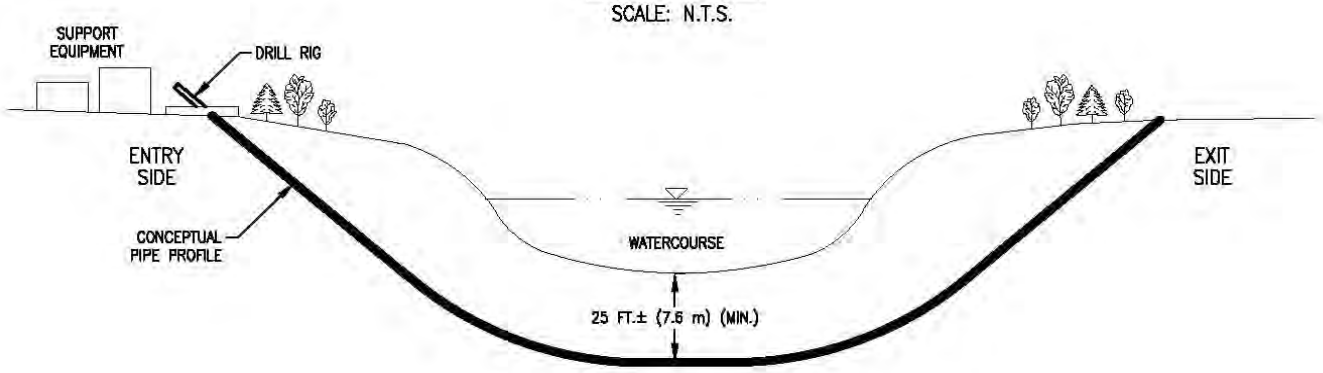


EQUIPMENT:
1. EXIT PIT W/BERMS: 8' x 10'
2. CUTTINGS SETTLEMENT PIT: 10' x 25'
3. DESILTER: 8' x 8'
4. SHAKER: 8' x 12'
5. SPOILS CONTAINER: 8' x 20'
6. POWER UNIT: 8' x 10'
7. FRAC TANK(S): 8' x 45'
8. DRILL PIPE: 30' x 30'
9. CONSTRUCTION EQUIPMENT: 8' x 8'
10. PARKING & STORAGE: 15' x 50'
11. PIPE ROLLERS

NOTES:

1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE
3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

EXIT SITE PLAN
SCALE: N.T.S.



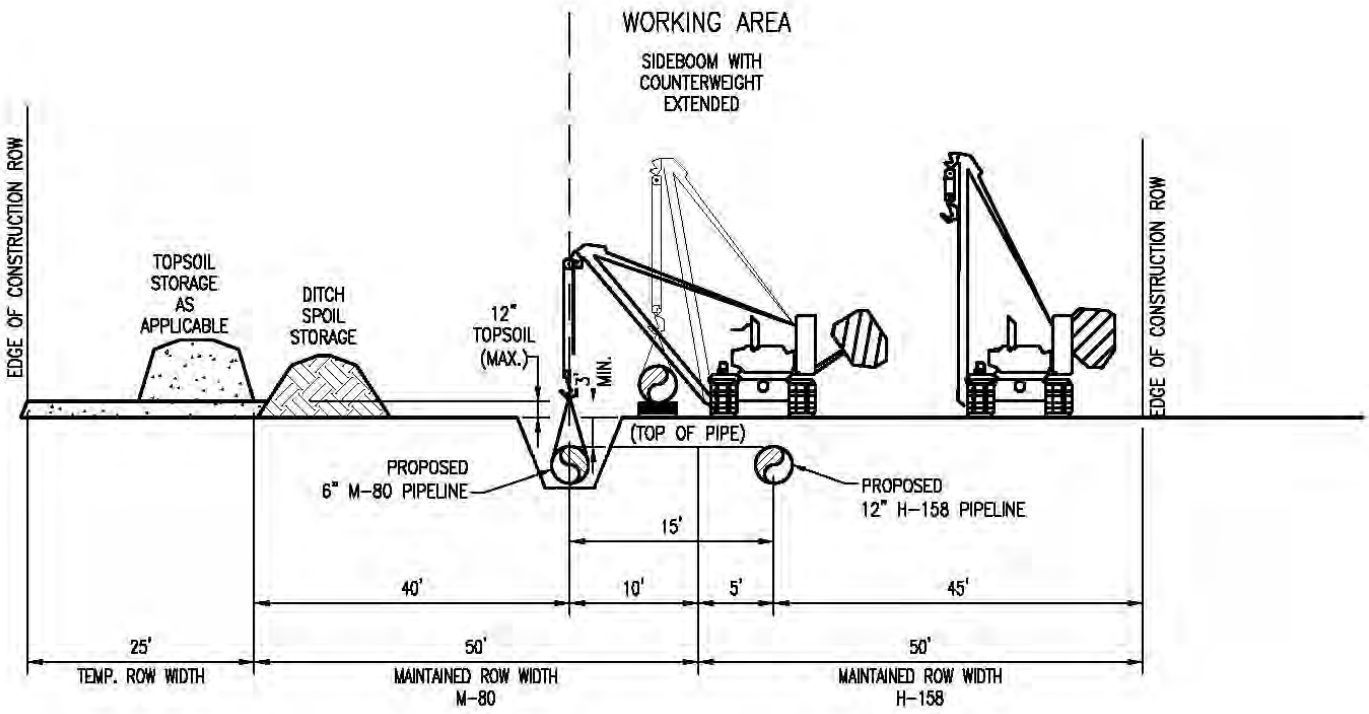
PROFILE
SCALE: N.T.S.

GENERAL NOTES:

1. PIPE DEPTHS MAY VARY

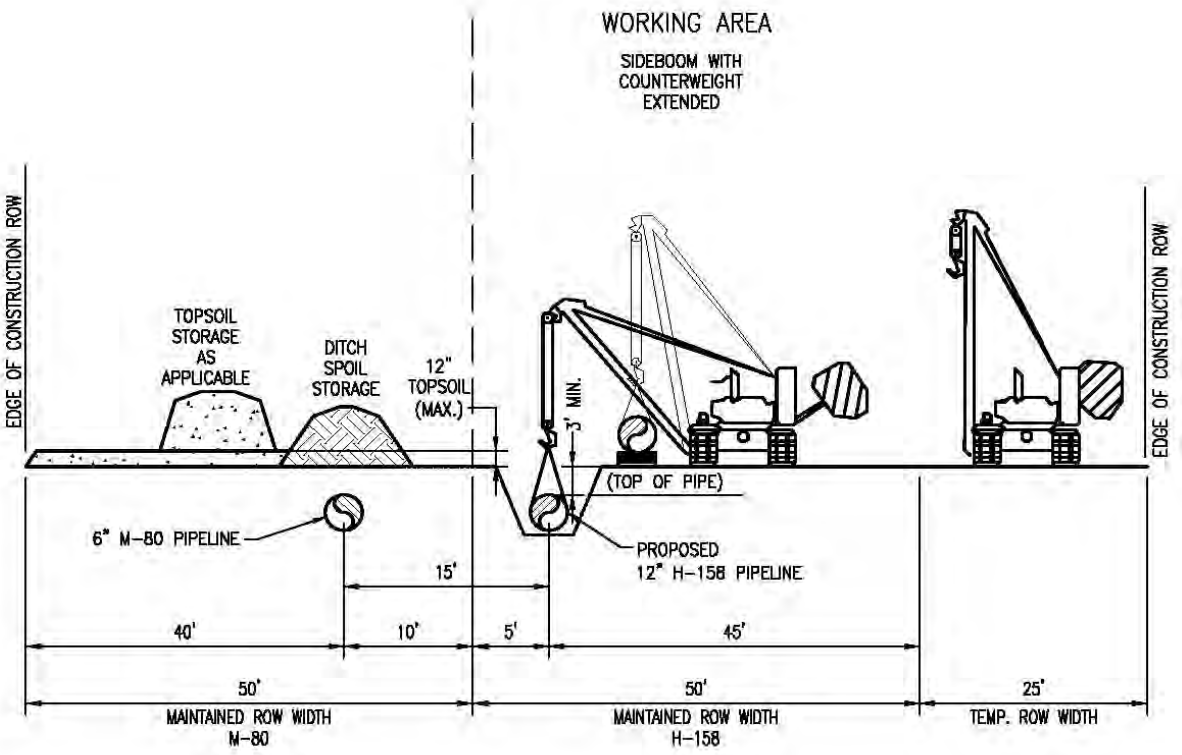
Source: Equitrans' FERC Application

C2-26
Equitrans Expansion Project
30" H-316 / 20" H-318
Typical Directional Drill
Exit Site Plan & Profile



Source: Equitrans' FERC Application

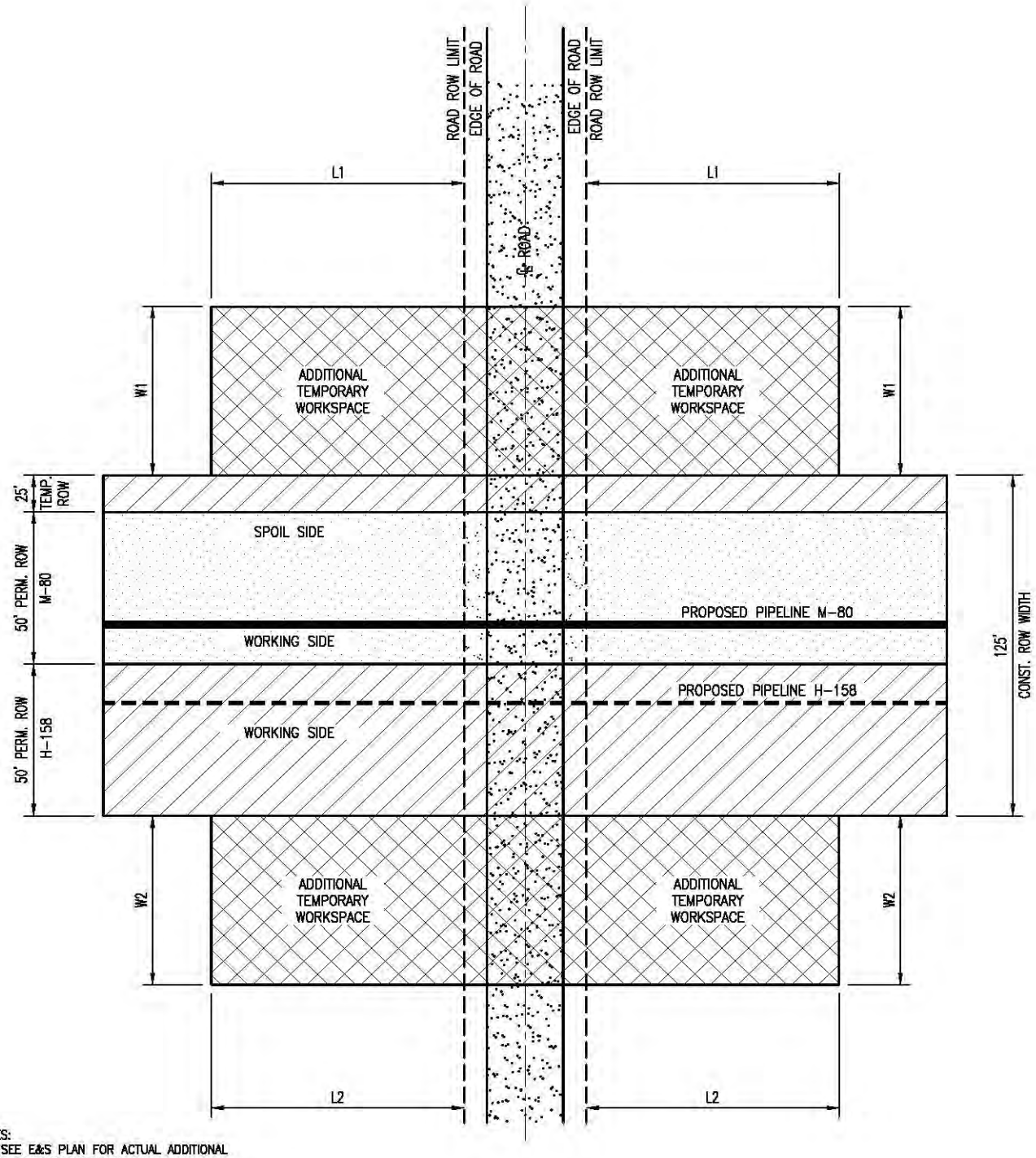
C2-27
Equitrans Expansion Project
6" M-80
Parallel Construction
Right-of-Way



NOTES:
1. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

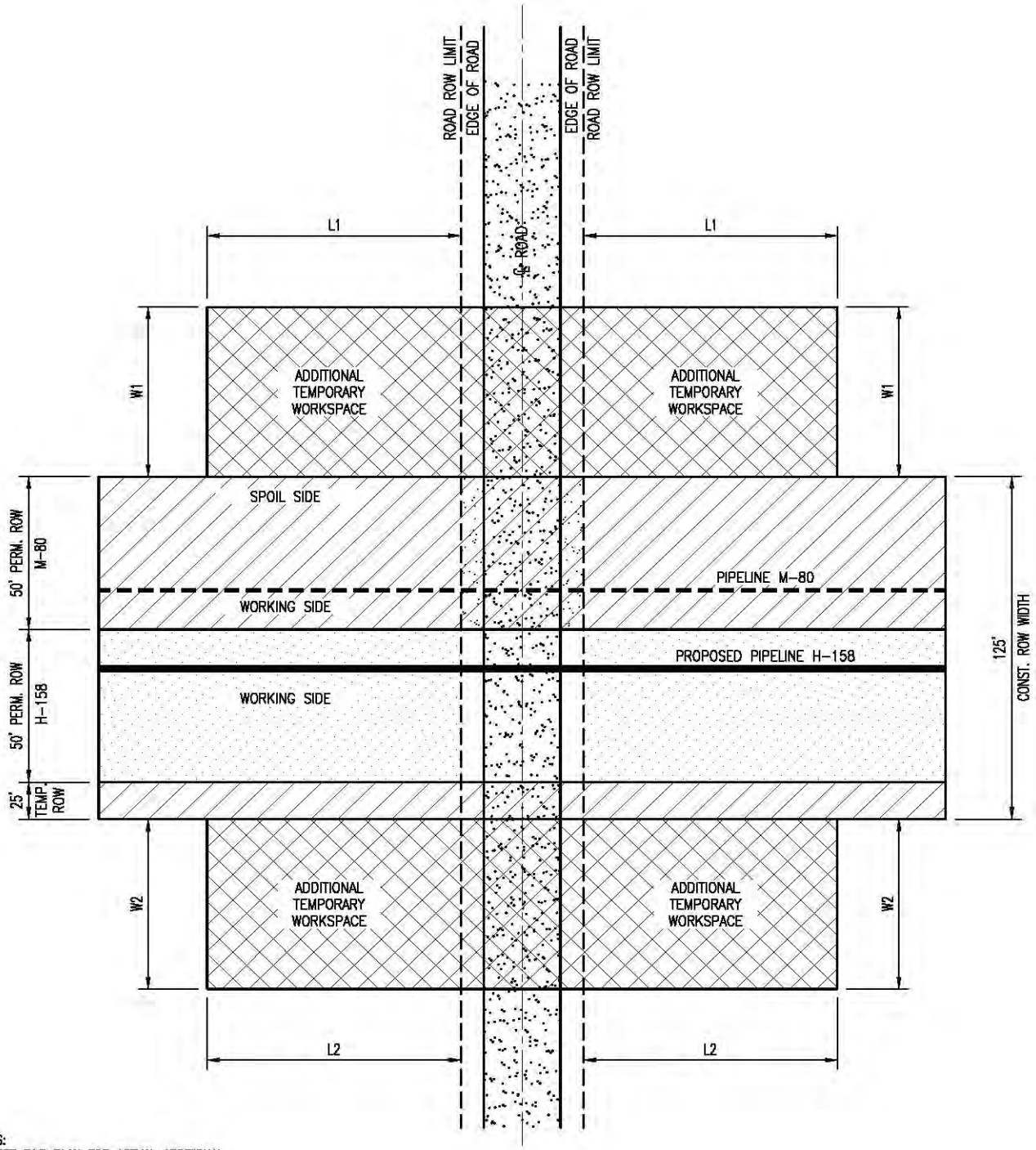
C2-28
Equitrans Expansion Project
12" H-158
Parallel Construction
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

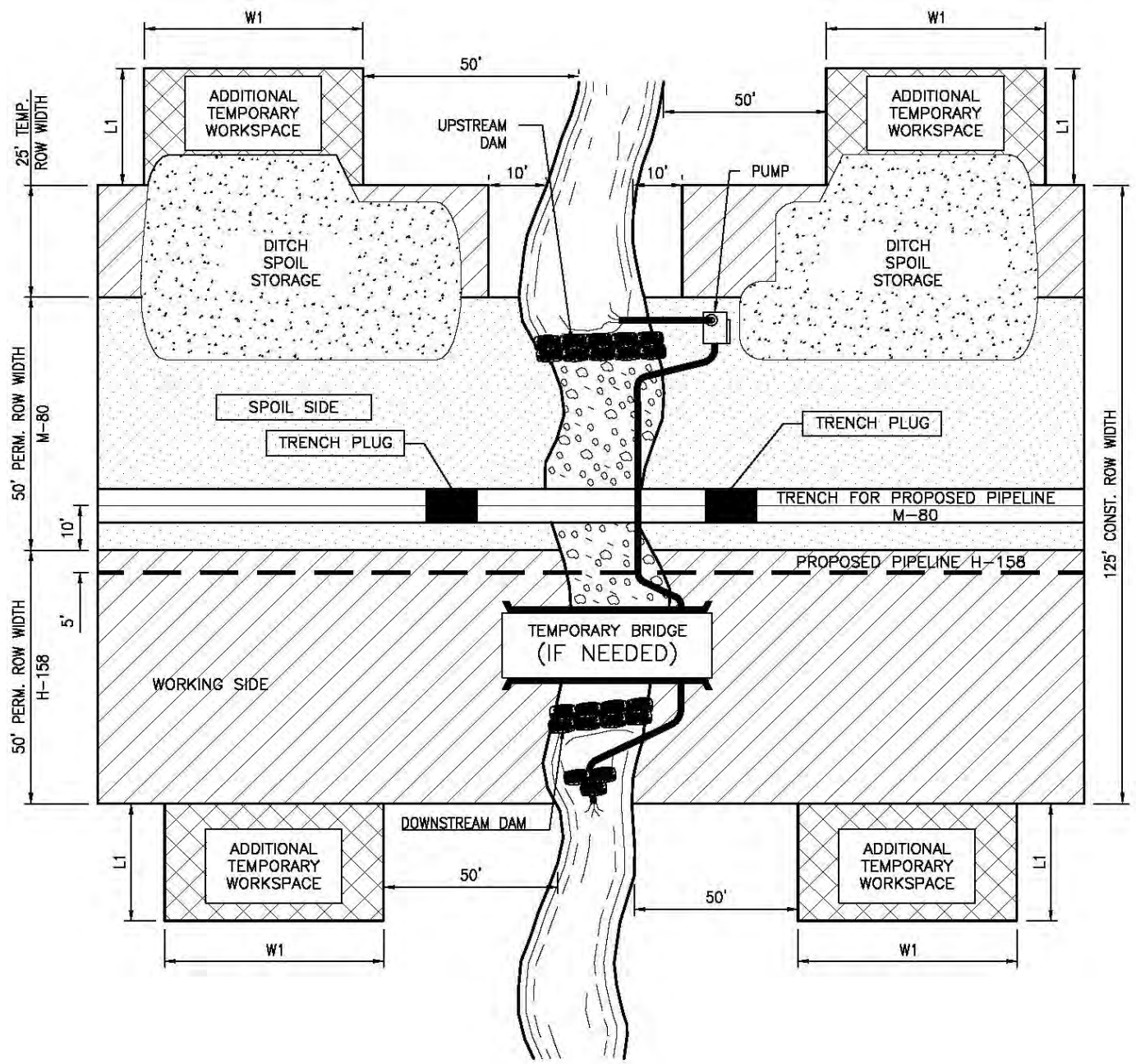
C2-29
Equitrans Expansion Project
6" M-80
Open Cut Road Crossing
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

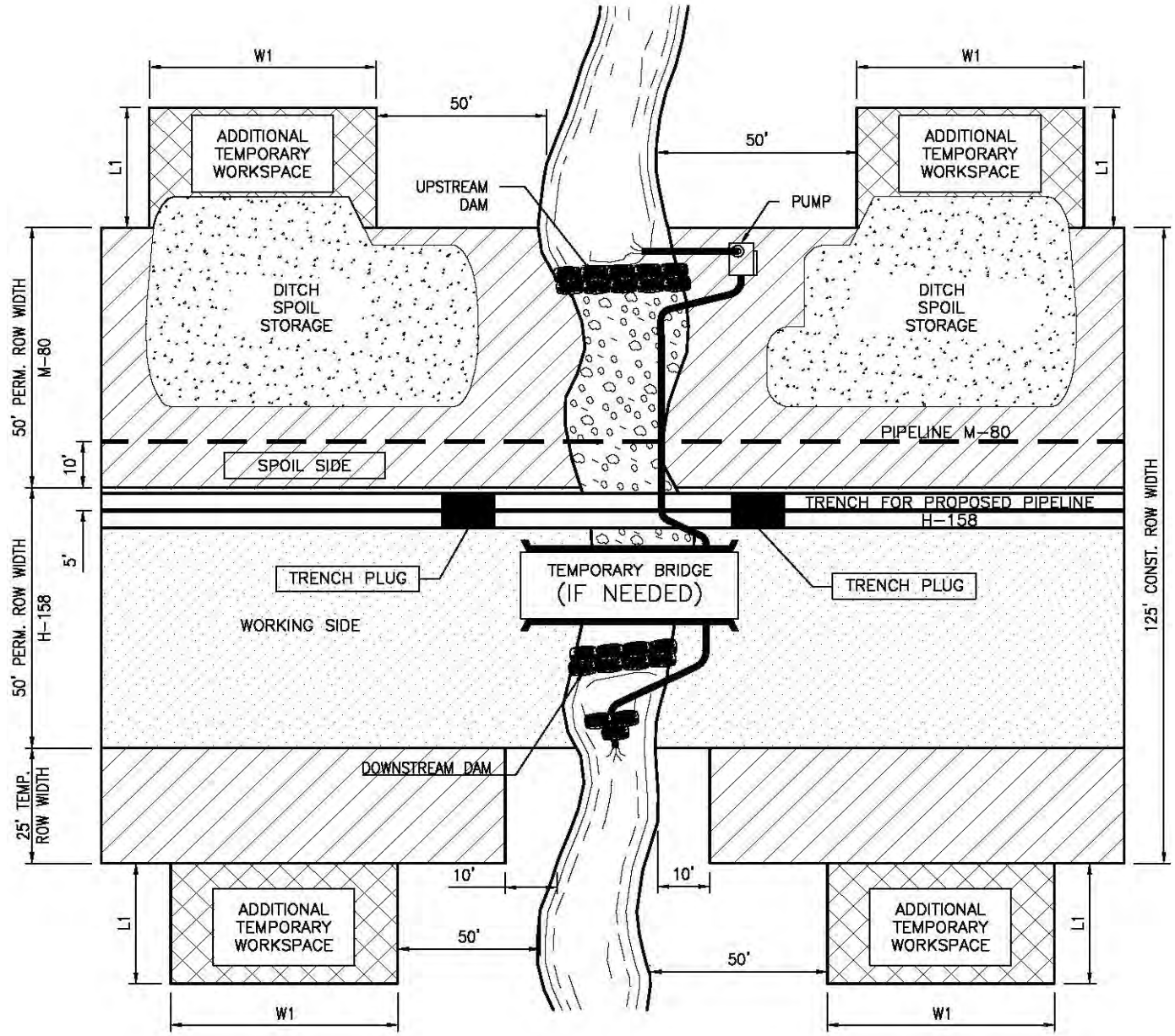
C2-30
Equitrans Expansion Project
12" H-158
Open Cut Road Crossing
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.
3. DAM AND PUMP TO REMAIN IN OPERATION UNTIL COMPLETION OF BOTH PIPELINES.

Source: Equitrans' FERC Application

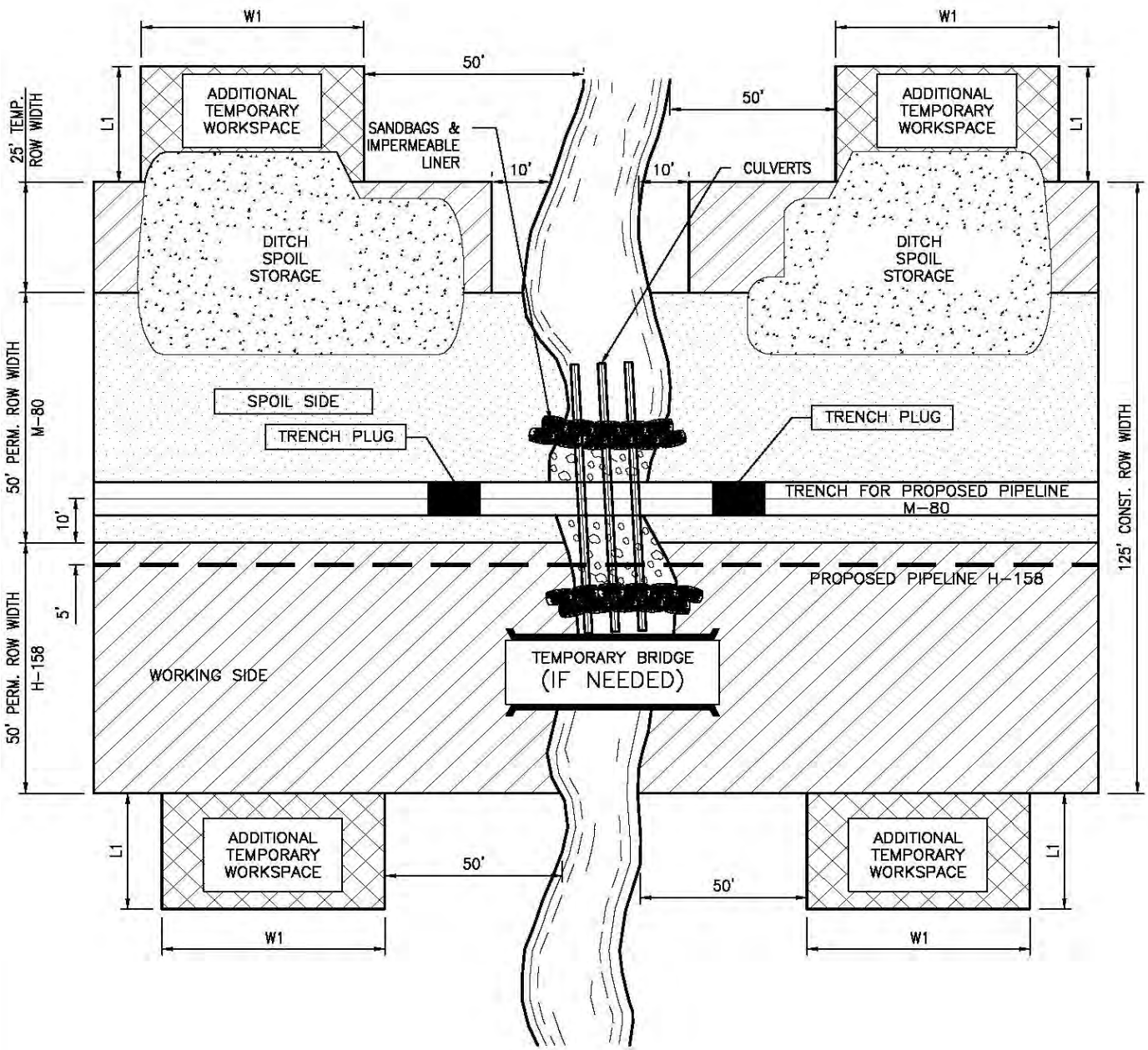
C2-31
Equitrans Expansion Project
6" M-80
Open Cut – Dam and Pump
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.
3. DAM AND PUMP TO REMAIN IN OPERATION UNTIL COMPLETION OF BOTH PIPELINES.

Source: Equitrans' FERC Application

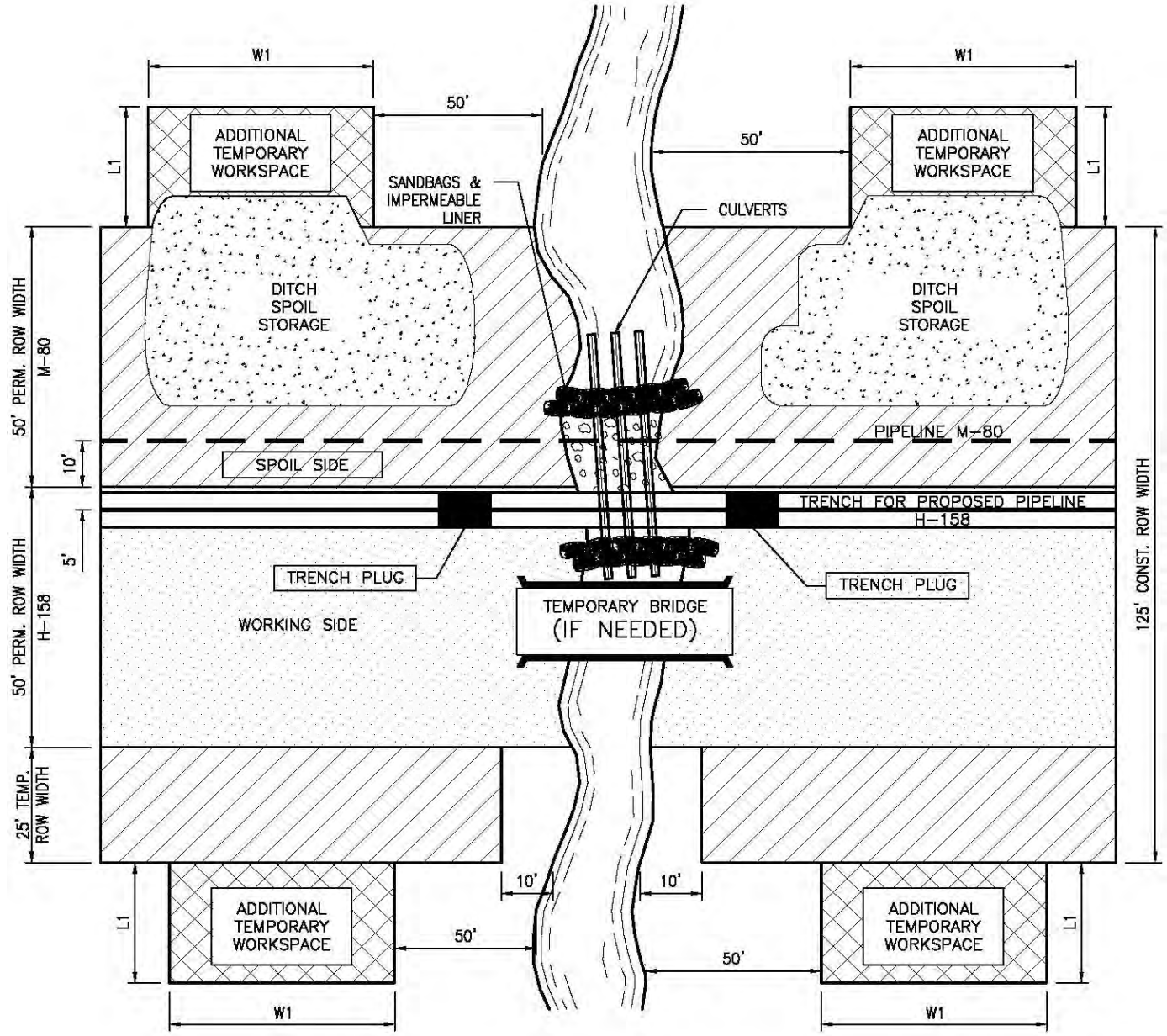
C2-32
Equitrans Expansion Project
12" H-158
Open Cut – Dam and Pump
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.
3. FLUMES TO REMAIN IN OPERATION UNTIL COMPLETION OF BOTH PIPELINES.

Source: Equitrans' FERC Application

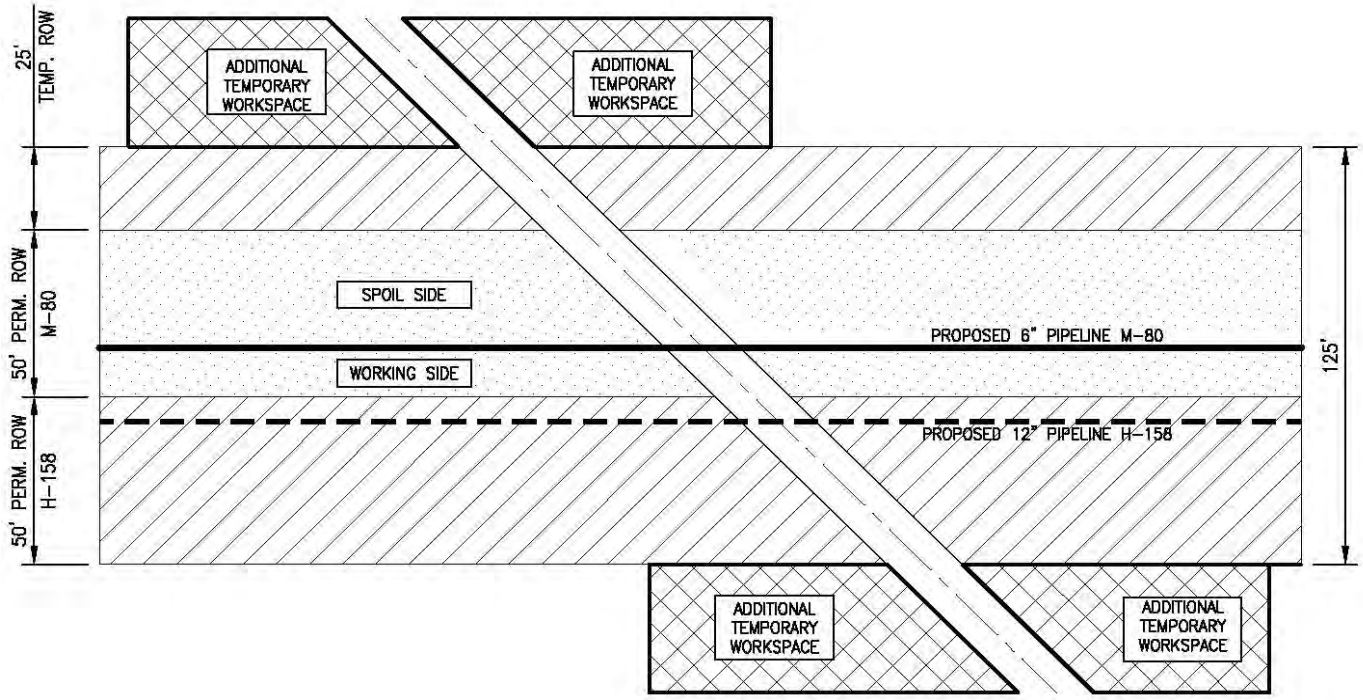
C2-33
Equitrans Expansion Project
6" M-80
Open Cut – Flume
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.
3. FLUMES TO REMAIN IN OPERATION UNTIL COMPLETION OF BOTH PIPELINES.

Source: Equitrans' FERC Application

C2-34
Equitrans Expansion Project
12" H-158
Open Cut – Flume
Right-of-Way

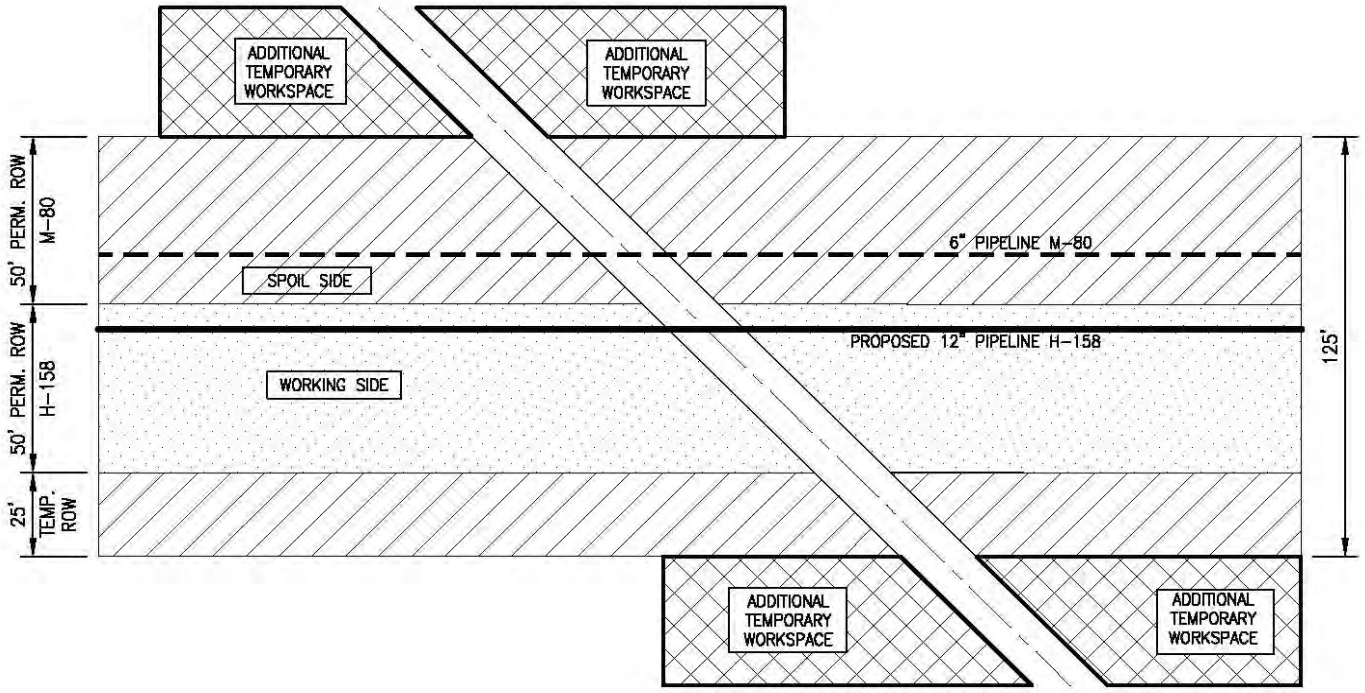


NOTE:

1. DIMENSIONS DEPENDENT ON PROPOSED AND EXISTING PIPELINE DIAMETERS, BURIAL DEPTHS AND LOCAL SITE SPECIFIC CONDITIONS.
2. TRAVEL LANE ON WORKING SIDE TO BE MATTED AS REQUIRED BY EXISTING PIPELINE COMPANY REQUIREMENTS AND LOCAL CONDITIONS.
3. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
4. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

C2-35
Equitrans Expansion Project
6" M-80
Pipeline Crossing
Right-of-Way

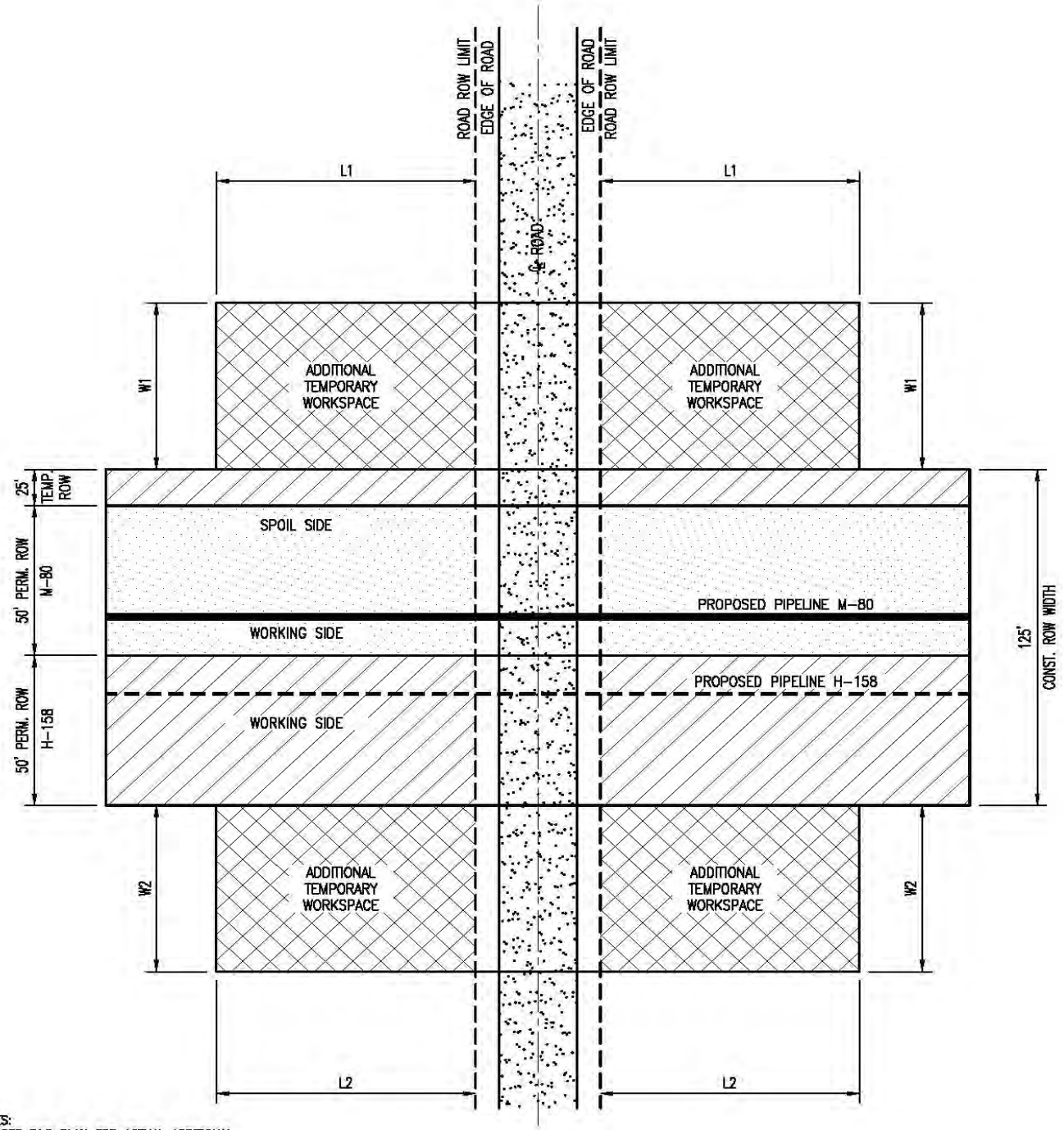


NOTE:

1. DIMENSIONS DEPENDENT ON PROPOSED AND EXISTING PIPELINE DIAMETERS, BURIAL DEPTHS AND LOCAL SITE SPECIFIC CONDITIONS.
2. TRAVEL LANE ON WORKING SIDE TO BE MATTED AS REQUIRED BY EXISTING PIPELINE COMPANY REQUIREMENTS AND LOCAL CONDITIONS.
3. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
4. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

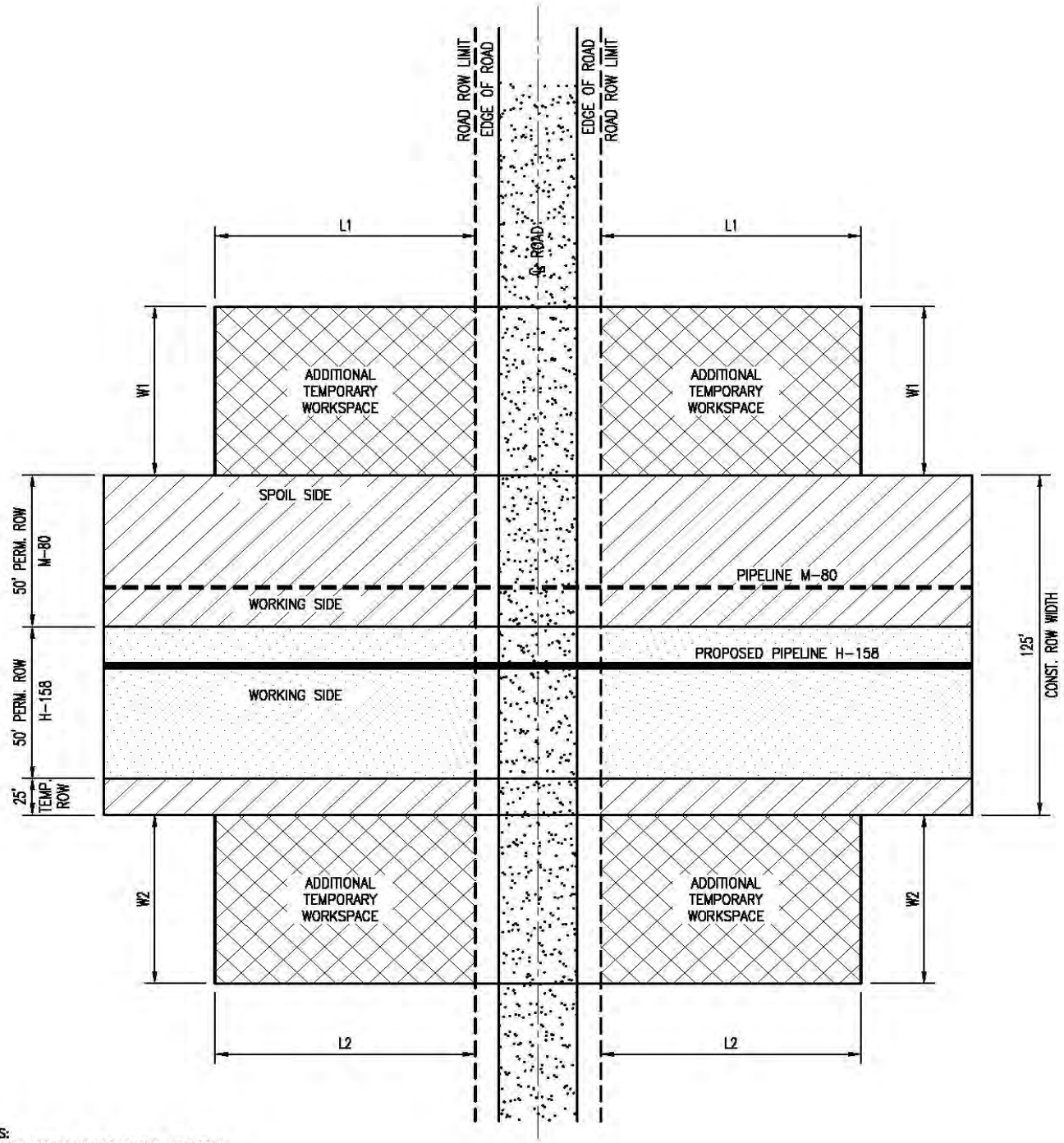
C2-36
Equitrans Expansion Project
12" H-158
Pipeline Crossing
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

Source: Equitrans' FERC Application

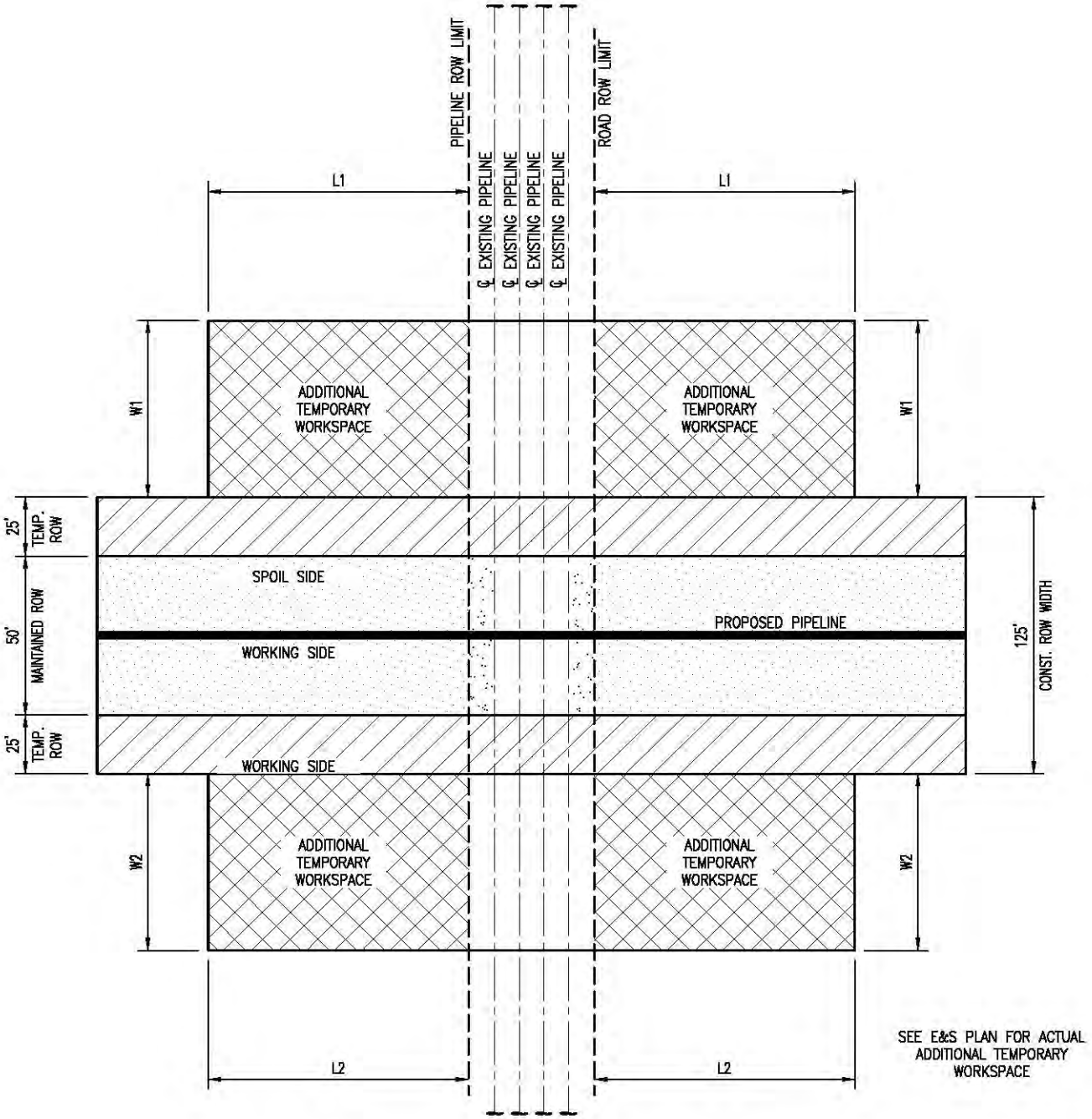
C2-37
Equitrans Expansion Project
6" M-80
Bored Road Crossing
Right-of-Way



NOTES:
1. SEE E&S PLAN FOR ACTUAL ADDITIONAL TEMPORARY WORKSPACE.
2. PROPOSED PIPELINE M-80 TO BE CONSTRUCTED FIRST WITH H-158 FOLLOWING IN SUCCESSION.

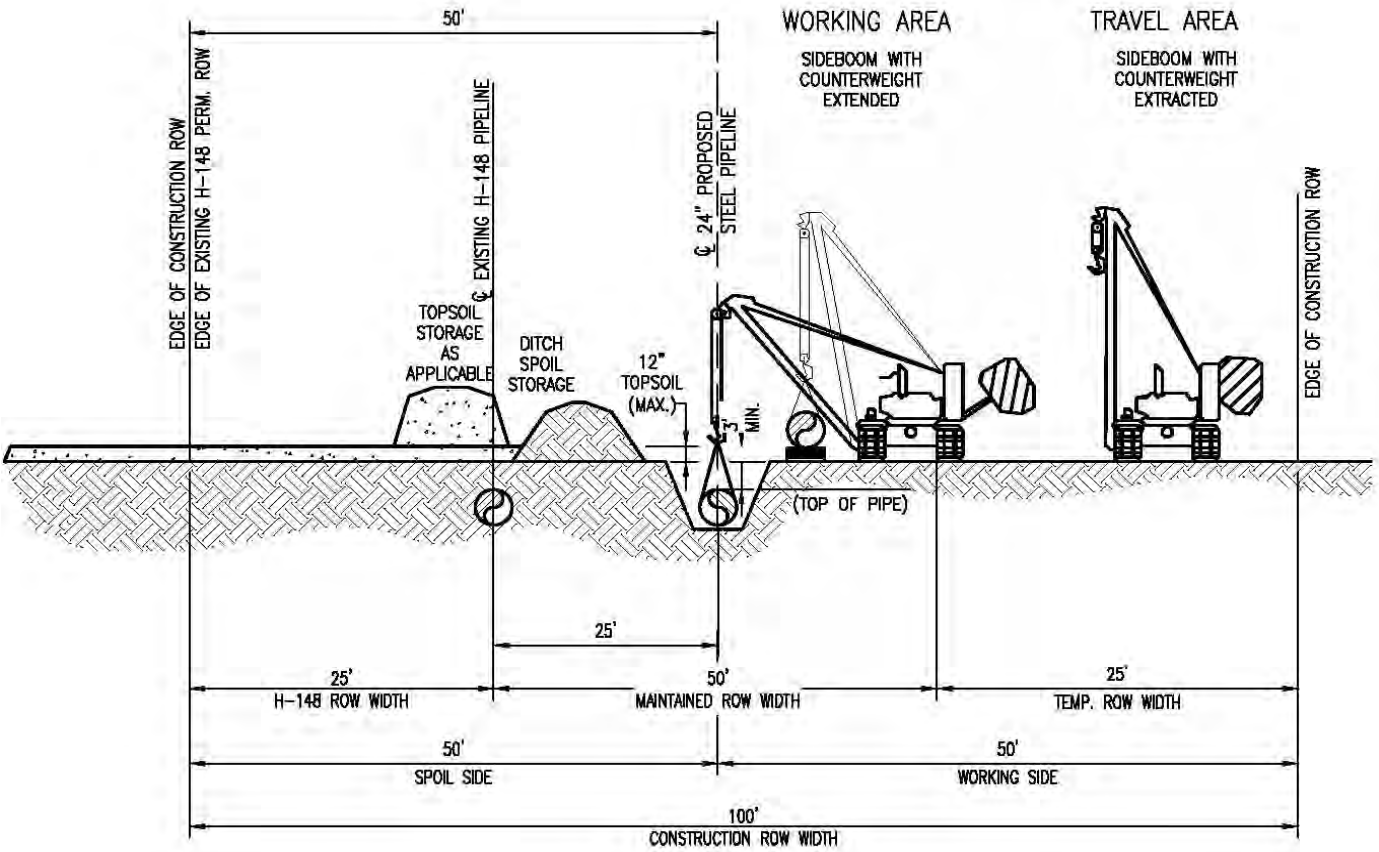
Source: Equitrans' FERC Application

C2-38
Equitrans Expansion Project
12" H-158
Bored Road Crossing
Right-of-Way



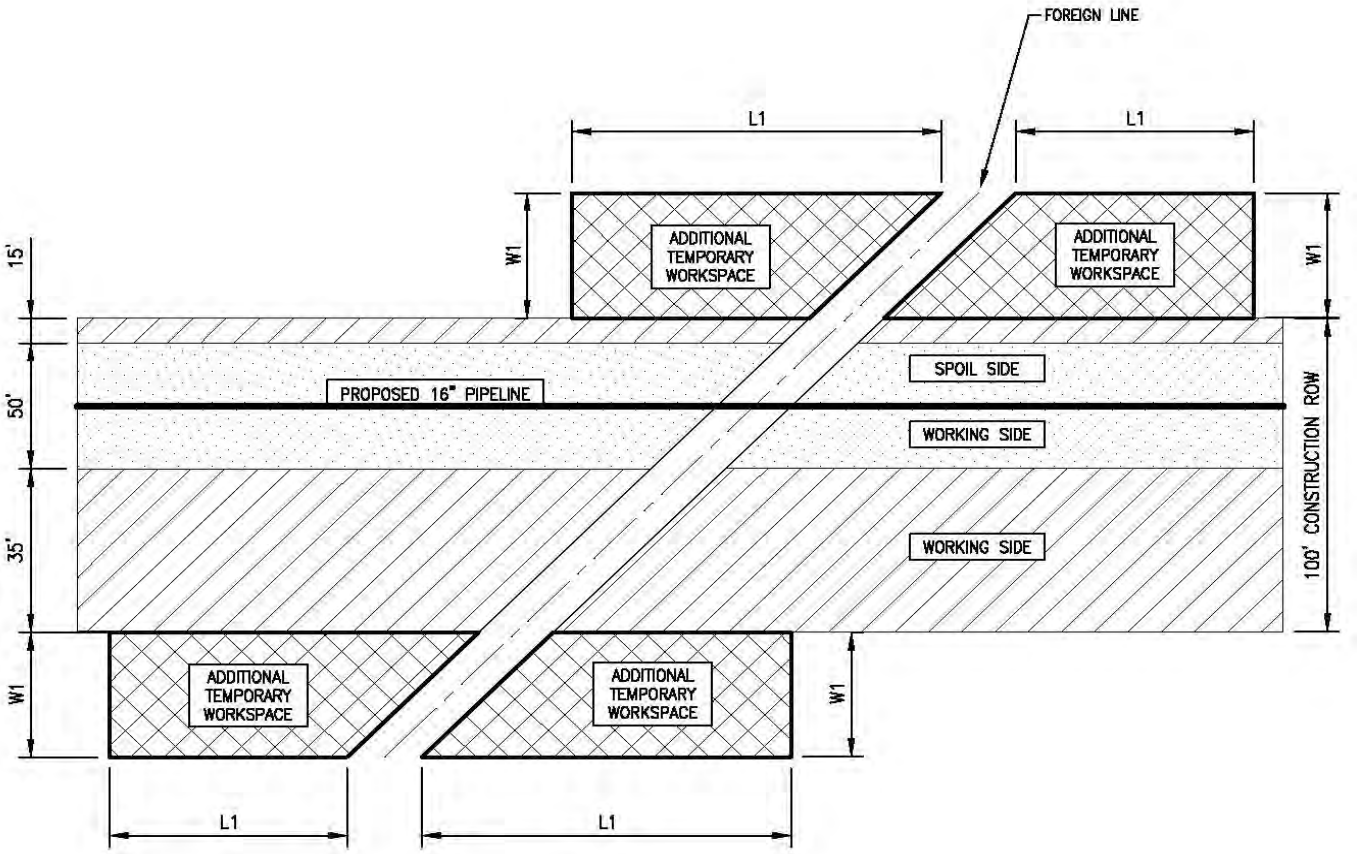
Source: Equitrans' FERC Application

C2-39
Equitrans Expansion Project
24" H-305
Open Cut Pipeline Crossing
Right-of-Way



Source: Equitrans' FERC Application

C2-40
Equitrans Expansion Project
24" H-305
Parallel Construction
Right-of-Way

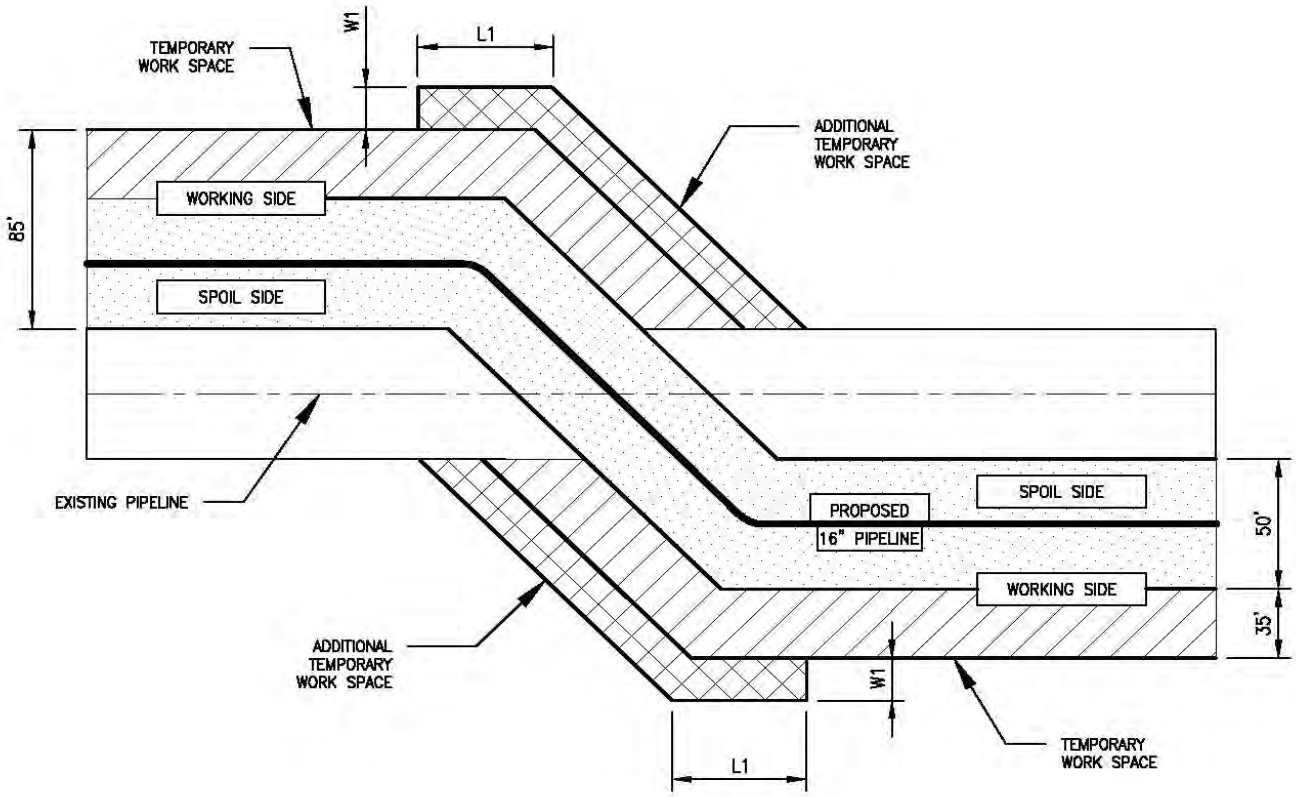


NOTE:

1. PROPOSED EQUITRANS 30" CONSTRUCTED AS CLOSE TO 90° TO FOREIGN LINE AS POSSIBLE

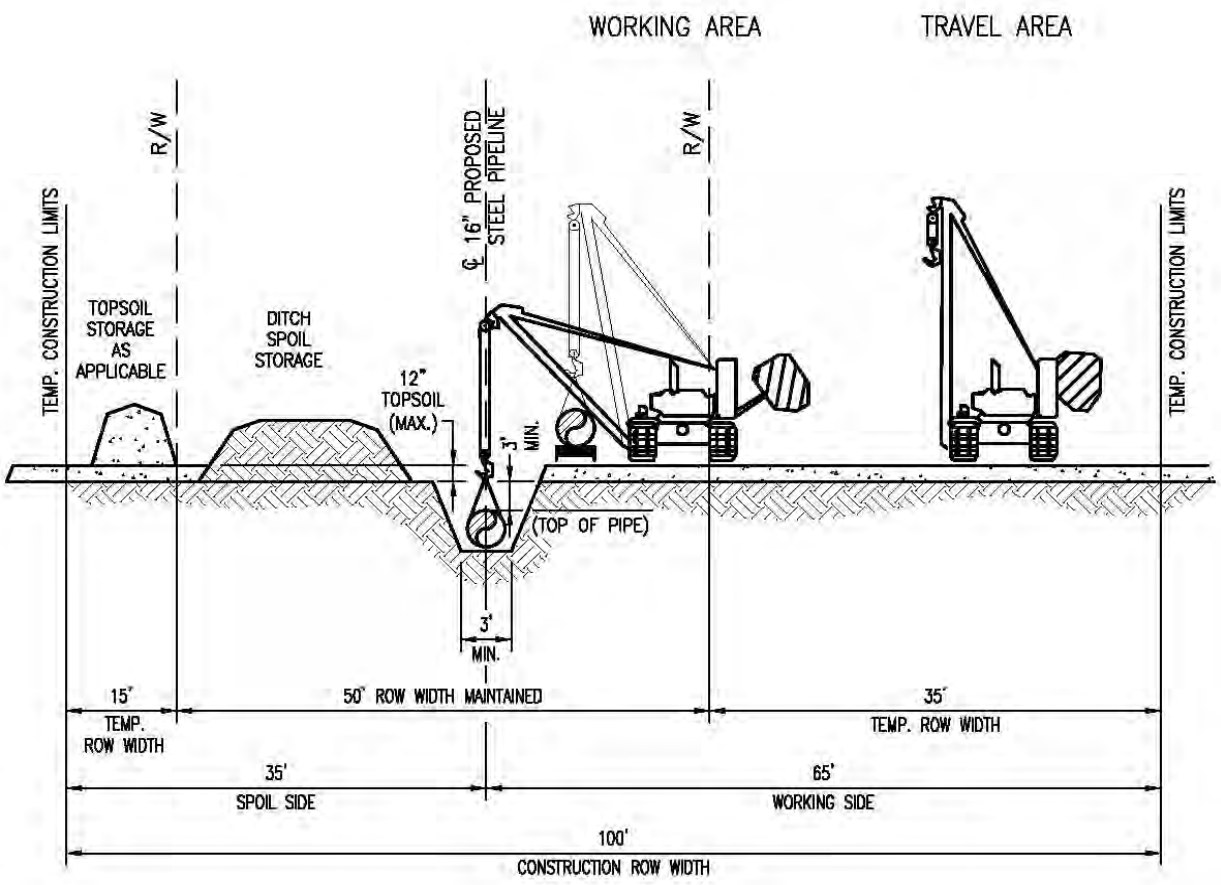
Source: Equitrans' FERC Application

C2-41A
Equitrans Expansion Project
16" H-319
Foreign Line Crossing



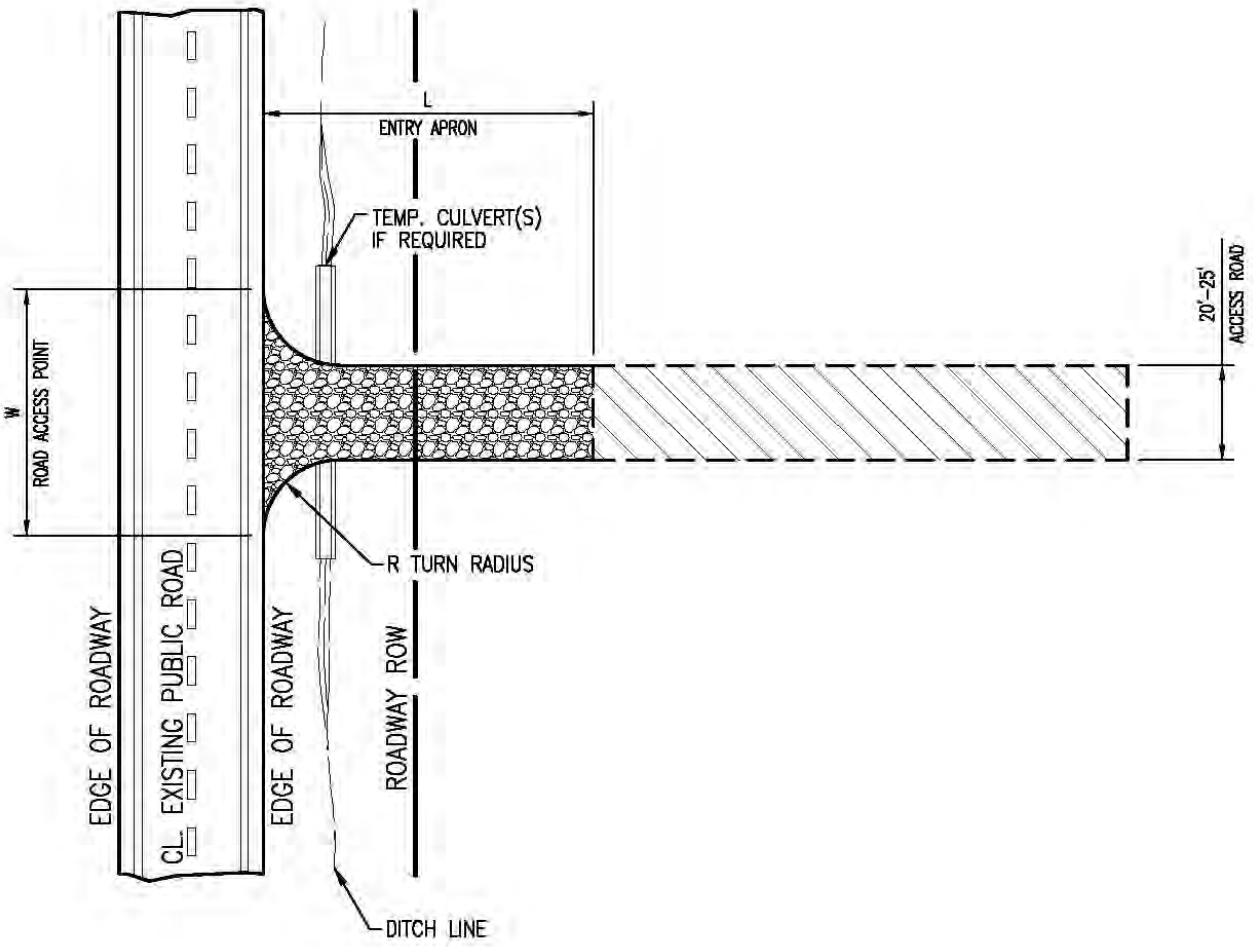
Source: Equitrans' FERC Application

C2-41B
Equitrans Expansion Project
16" H-319
Foreign Line Crossing



Source: Equitrans' FERC Application

C2-42
Equitrans Expansion Project
16" H-319
50 Foot R/W Limits
Typical 100' Const. R/W

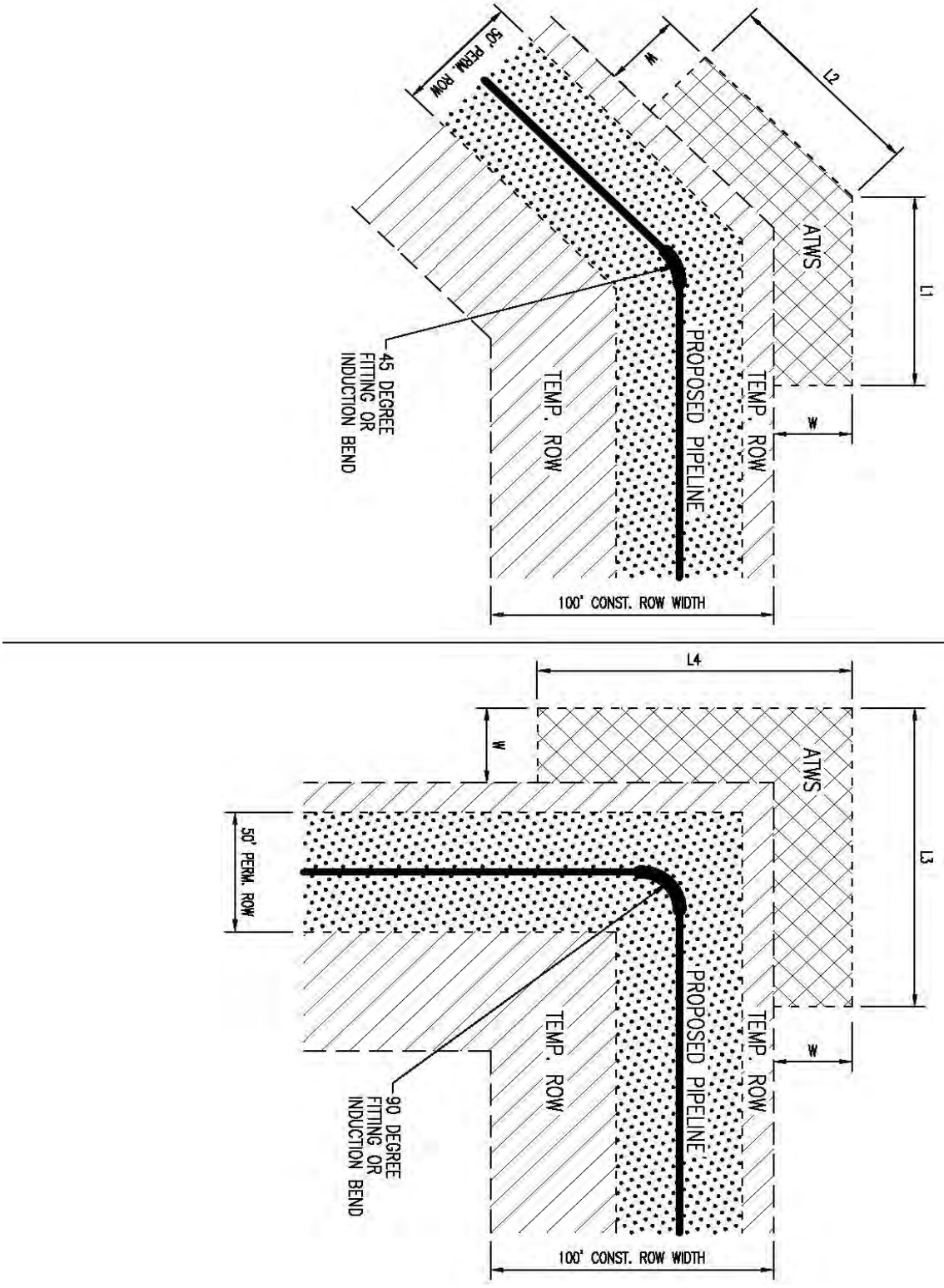


GENERAL NOTES:

1. DIMENSIONS FOR L, R AND W ARE AS REQUIRED BY LOCAL PERMITS

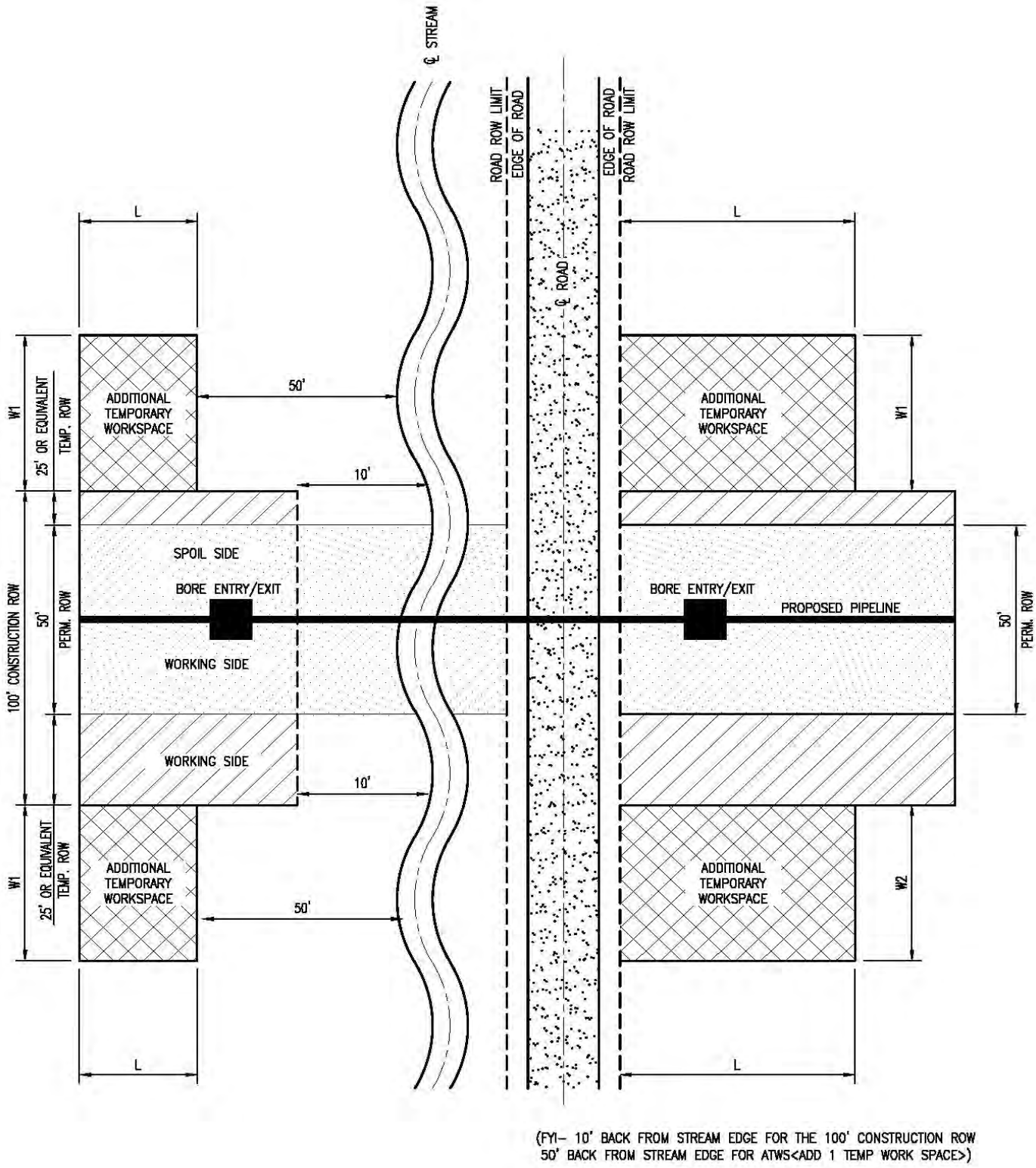
Source: Equitrans' FERC Application

C2-43
Equitrans Expansion Project
16" H-319
16" Typical Access Road
Right-of-Way



Source: Equitrans' FERC Application

C2-44
Equitrans Expansion Project
16" H-319
16" Fitting or Induction Bends
Right-of-Way



Source: Equitrans' FERC Application

C2-45
Equitrans Expansion Project
16" H-319
16" Road Crossing & Stream Crossing – Bored
Right-of-Way

APPENDIX D

Extra Workspaces

APPENDIX D-1

Extra Workspaces

Mountain Valley Project

APPENDIX D-1

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
0.2	MVP-ATWS-410	Odd-shaped	6,287	0.1	Forest	Wetzel	West Virginia	MVP-WE-001	Tractor trailer turn radius
0.2	MVP-ATWS-732	Odd-shaped	22,427	0.5	Forest	Wetzel	West Virginia	MVP-WE-001	Tractor trailer turn radius
0.2	MVP-ATWS-732A	Odd-shaped	1,482	0.0	Forest	Wetzel	West Virginia	MVP-WE-001	Tractor trailer turn radius
0.2	MVP-ATWS-733	Odd-shaped	4,398	0.1	Forest	Wetzel	West Virginia	MVP-WE-001	Tractor trailer turn radius
0.2	MVP-ATWS-733A	Odd-shaped	5,784	0.1	Forest	Wetzel	West Virginia	MVP-WE-001-002	Tractor trailer turn radius
0.2	MVP-ATWS-733B	Odd-shaped	2,107	0.1	Forest	Wetzel	West Virginia	MVP-WE-001-002	Tractor trailer turn radius
0.2	MVP-ATWS-734	Odd-shaped	2,353	0.1	Forest	Wetzel	West Virginia	MVP-WE-002	Tractor trailer turn radius, parking
0.2	MVP-ATWS-734A	Odd-shaped	8,069	0.2	Forest	Wetzel	West Virginia	MVP-WE-002	Tractor trailer turn radius, parking
0.6	MVP-ATWS-002	137 X 140	18,640	0.4	Forest	Wetzel	West Virginia	Mainline	Tractor trailer turn radius
0.7	MVP-ATWS-003A	Odd-shaped	35,312	0.8	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, parking
0.7	MVP-ATWS-735	Odd-shaped	3,801	0.1	Field	Wetzel	West Virginia	MVP-WE-003	Storage of excess spoil at crossings, parking
0.7	MVP-ATWS-735A	Odd-shaped	1,733	0.0	Field	Wetzel	West Virginia	MVP-WE-003	Storage of excess spoil at crossings, parking
1.1	MVP-ATWS-412	Odd-shaped	2,781	0.1	Forest	Wetzel	West Virginia	MVP-WE-005	Tractor trailer turn radius, parking
1.1	MVP-ATWS-736	Odd-shaped	13,919	0.3	Forest	Wetzel	West Virginia	MVP-WE-005	Tractor trailer turn radius, parking
1.1	MVP-ATWS-736A	Odd-shaped	13,194	0.3	ROW	Wetzel	West Virginia	MVP-WE-005	Tractor trailer turn radius, parking

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
1.1	MVP-ATWS-742	Odd-shaped	37,612	0.9	Field	Wetzel	West Virginia	MVP-WE-005	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
1.1	MVP-ATWS-743	Odd-shaped	3,208	0.1	Forest	Wetzel	West Virginia	MVP-WE-005	Tractor trailer turn radius, parking
1.1	MVP-ATWS-743A	Odd-shaped	1,639	0.0	Forest	Wetzel	West Virginia	MVP-WE-005	Tractor trailer turn radius, parking
1.3	MVP-ATWS-738	Odd-shaped	4,394	0.1	Forest	Wetzel	West Virginia	MVP-WE-007	Tractor trailer turn radius, parking
1.4	MVP-ATWS-737	Odd-shaped	7,742	0.2	Field	Wetzel	West Virginia	MVP-WE-007	Tractor trailer turn radius, parking
1.4	MVP-ATWS-737A	Odd-shaped	6,406	0.2	Field	Wetzel	West Virginia	MVP-WE-007	Tractor trailer turn radius, parking
1.4	MVP-ATWS-738B	Odd-shaped	3,058	0.1	Forest	Wetzel	West Virginia	MVP-WE-007	Tractor trailer turn radius, parking
1.4	MVP-ATWS-739	Odd-shaped	11,466	0.3	Forest	Wetzel	West Virginia	WE-AR-1.4	Storage of excess spoil at crossings, parking
1.5	MVP-ATWS-740	Odd-shaped	8,434	0.2	Forest	Wetzel	West Virginia	MVP-WE-008.1	Tractor trailer turn radius, parking
1.5	MVP-ATWS-740A	Odd-shaped	8,941	0.2	Forest	Wetzel	West Virginia	MVP-WE-008.1	Tractor trailer turn radius, parking
1.5	MVP-ATWS-741	Odd-shaped	3,694	0.1	Field	Wetzel	West Virginia	MVP-WE-008.1	Tractor trailer turn radius, parking
1.8	MVP-ATWS-004	140 X 446	61,537	1.4	Forest	Wetzel	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
2.3	MVP-ATWS-005	112 X 231	27,150	0.6	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, however not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
2.7	MVP-ATWS-1356	Odd-shaped	6,899	0.2	Forest	Wetzel	West Virginia	Mainline	Tractor trailer turn radius
2.7	MVP-ATWS-808	Odd-shaped	14,551	0.3	Forest	Wetzel	West Virginia	MVP-WE-009	Tractor trailer turn radius, parking
2.7	MVP-ATWS-809	Odd-shaped	17,050	0.4	Forest	Wetzel	West Virginia	MVP-WE-008	Tractor trailer turn radius, parking
4.5	MVP-ATWS-744	Odd-shaped	24,012	0.6	Forest	Wetzel	West Virginia	MVP-WE-011	Tractor trailer turn radius, parking
4.5	MVP-ATWS-745	Odd-shaped	16,790	0.4	Forest	Wetzel	West Virginia	MVP-WE-011	Tractor trailer turn radius, parking
4.5	MVP-ATWS-745A	Odd-shaped	26,836	0.6	Forest	Wetzel	West Virginia	MVP-WE-011	Tractor trailer turn radius, parking
4.9	MVP-ATWS-746	Odd-shaped	13,205	0.3	Forest	Wetzel	West Virginia	MVP-WE-012	Tractor trailer turn radius, parking
4.9	MVP-ATWS-747	Odd-shaped	48,961	1.1	Forest	Wetzel	West Virginia	MVP-WE-012	Material staging, which is anticipated to include, however not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
5.0	MVP-ATWS-006	Odd-shaped	33,209	0.8	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
5.0	MVP-ATWS-006A	Odd-shaped	15,351	0.4	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
5.3	MVP-ATWS-007	Odd-shaped	13,039	0.3	Forest	Wetzel	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
5.3	MVP-ATWS-008	51 X 119	6,011	0.1	Forest	Wetzel	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
5.6	MVP-ATWS-009	Odd-shaped	39,283	0.9	Field	Wetzel	West Virginia	MVP-WE-013	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
6.6	MVP-ATWS-010	136 X 200	27,092	0.6	Forest	Wetzel	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
6.9	MVP-ATWS-011	Odd-shaped	17,667	0.4	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-011A	Odd-shaped	33,816	0.8	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
6.9	MVP-ATWS-782	Odd-shaped	12,204	0.3	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-783	Odd-shaped	12,503	0.3	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-783A	Odd-shaped	2,740	0.1	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-784	Odd-shaped	4,707	0.1	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-785	Odd-shaped	50,714	1.2	Forest	Wetzel	West Virginia	MVP-WE-014	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
6.9	MVP-ATWS-786	Odd-shaped	19,797	0.5	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
6.9	MVP-ATWS-786A	Odd-shaped	11,427	0.3	Forest	Wetzel	West Virginia	MVP-WE-014	Tractor trailer turn radius
7.4	MVP-ATWS-748	Odd-shaped	41,014	0.9	Field	Wetzel	West Virginia	MVP-WE-015	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
7.4	MVP-ATWS-749	Odd-shaped	22,255	0.5	Field	Wetzel	West Virginia	MVP-WE-015	Tractor trailer turn radius
7.4	MVP-ATWS-750	Odd-shaped	36,898	0.9	Field	Wetzel	West Virginia	MVP-WE-015	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
8.0	MVP-ATWS-012	73 X 104	7,454	0.2	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
8.0	MVP-ATWS-012A	71 X 103	7,111	0.2	Field	Wetzel	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
8.7	MVP-ATWS-754	Odd-shaped	7,066	0.2	Forest	Wetzel	West Virginia	MVP-WE-016	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
8.9	MVP-ATWS-013	Odd-shaped	30,959	0.7	Field	Wetzel	West Virginia	MVP-WE-016.1	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
9.3	MVP-ATWS-690	Odd-shaped	32,498	0.8	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
9.7	MVP-ATWS-014	Odd-shaped	10,856	0.3	Forest	Harrison	West Virginia	MVP-HA-018	Tractor trailer turn radius
9.7	MVP-ATWS-404	Odd-shaped	12,136	0.3	Forest	Harrison	West Virginia	MVP-HA-018	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
9.7	MVP-ATWS-404A	Odd-shaped	7,628	0.2	Forest	Harrison	West Virginia	MVP-HA-018	Tractor trailer turn radius
11.2	MVP-ATWS-015	Odd-shaped	13,016	0.3	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
11.3	MVP-ATWS-016	Odd-shaped	7,632	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
11.3	MVP-ATWS-916	Odd-shaped	14,006	0.3	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
11.9	MVP-ATWS-017	25 x 200	4,000	0.1	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
12.1	MVP-ATWS-403	Odd-shaped	12,359	0.3	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
12.2	MVP-ATWS-403A	Odd-shaped	17,336	0.4	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
12.9	MVP-ATWS-018	Odd-shaped	32,010	0.7	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
13.1	MVP-ATWS-405	Odd-shaped	10,379	0.2	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
13.4	MVP-ATWS-751	Odd-shaped	20,604	0.5	Forest	Harrison	West Virginia	MVP-HA-020	Tractor trailer turn radius
13.4	MVP-ATWS-788	Odd-shaped	18,507	0.4	Field	Harrison	West Virginia	MVP-HA-020	Tractor trailer turn radius, parking

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
14.4	MVP-ATWS-019	Odd-shaped	19,329	0.4	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.0	MVP-ATWS-020	Odd-shaped	41,403	1.0	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.0	MVP-ATWS-020A	Odd-shaped	10,704	0.3	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.4	MVP-ATWS-021	38 X 127	4,689	0.1	Field	Harrison	West Virginia	MVP-HA-022	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.4	MVP-ATWS-021A	Odd-shaped	7,072	0.2	Field	Harrison	West Virginia	MVP-HA-022	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
15.4	MVP-ATWS-021C	Odd-shaped	6,379	0.2	Field	Harrison	West Virginia	MVP-HA-022	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.4	MVP-ATWS-406	Odd-shaped	36,610	0.8	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.4	MVP-ATWS-458	Odd-shaped	58,197	1.3	Field	Harrison	West Virginia	MVP-HA-022	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.5	MVP-ATWS-022	Odd-shaped	7,991	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
15.5	MVP-ATWS-022A	Odd-shaped	94,787	2.2	Field	Harrison	West Virginia	MVP-HA-023	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
15.5	MVP-ATWS-022B	Odd-shaped	106,744	2.5	Field	Harrison	West Virginia	MVP-MLV-AR-04	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
16.0	MVP-ATWS-752	Odd-shaped	17,930	0.4	Forest	Harrison	West Virginia	MVP-HA-024	Tractor trailer turn radius
16.0	MVP-ATWS-752A	Odd-shaped	8,833	0.2	Forest	Harrison	West Virginia	MVP-HA-024	Tractor trailer turn radius
16.0	MVP-ATWS-753	Odd-shaped	7,667	0.2	Forest	Harrison	West Virginia	MVP-HA-024	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
16.0	MVP-ATWS-753A	Odd-shaped	22,423	0.5	Forest	Harrison	West Virginia	MVP-HA-024	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
16.0	MVP-ATWS-753B	Odd-shaped	6,134	0.1	Forest	Harrison	West Virginia	MVP-HA-024	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
16.0	MVP-ATWS-753C	Odd-shaped	21,322	0.5	Forest	Harrison	West Virginia	MVP-HA-024	Tractor trailer turn radius
16.0	MVP-ATWS-756	Odd-shaped	85,741	2.0	Field	Harrison	West Virginia	MVP-HA-024	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
16.0	MVP-ATWS-757	Odd-shaped	7,731	0.2	Forest	Harrison	West Virginia	MVP-HA-024	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
16.4	MVP-ATWS-755	Odd-shaped	16,946	0.4	Forest	Harrison	West Virginia	MVP-HA-024	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
17.3	MVP-ATWS-023	30 X 214	6,449	0.2	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
17.8	MVP-ATWS-024	Odd-shaped	23,347	0.5	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
17.8	MVP-ATWS-025	Odd-shaped	8,050	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
17.8	MVP-ATWS-025A	31 X 179	5,592	0.1	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
17.9	MVP-ATWS-025B	Odd-shaped	4,696	0.1	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
17.9	MVP-ATWS-025C	Odd-shaped	11,127	0.3	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
18.6	MVP-ATWS-026	Odd-shaped	7,212	0.2	Forest	Harrison	West Virginia	MVP-HA-025	Tractor trailer turn radius
18.6	MVP-ATWS-026A	Odd-shaped	1,999	0.1	Forest	Harrison	West Virginia	MVP-HA-025	Tractor trailer turn radius
18.6	MVP-ATWS-758	Odd-shaped	38,147	0.9	Forest	Harrison	West Virginia	MVP-HA-025	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
18.8	MVP-ATWS-028	Odd-shaped	10,625	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
18.9	MVP-ATWS-029	75 X 77	5,832	0.1	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings
19.0	MVP-ATWS-407	Odd-shaped	5,048	0.1	Forest	Harrison	West Virginia	MVP-HA-026	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
19.0	MVP-ATWS-407A	Odd-shaped	3,696	0.1	Forest	Harrison	West Virginia	MVP-HA-026	Tractor trailer turn radius
19.0	MVP-ATWS-759	Odd-shaped	19,689	0.5	Field	Harrison	West Virginia	MVP-HA-026	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
19.0	MVP-ATWS-759A	Odd-shaped	9,307	0.2	Field	Harrison	West Virginia	MVP-HA-026	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
19.0	MVP-ATWS-760	Odd-shaped	86,844	2.0	Field	Harrison	West Virginia	MVP-HA-026	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
20.7	MVP-ATWS-030	50 X 221	10,445	0.2	Field	Harrison	West Virginia	MVP-HA-027	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
20.7	MVP-ATWS-030A	140 X 160	22,109	0.5	Field	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
20.8	MVP-ATWS-031	Odd-shaped	30,100	0.7	Field	Harrison	West Virginia	MVP-HA-027	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
20.8	MVP-ATWS-032	128 X 139	17,419	0.4	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
20.8	MVP-ATWS-032A	Odd-shaped	21,491	0.5	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
20.9	MVP-ATWS-033	128 X 260	33,163	0.8	Forest	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
20.9	MVP-ATWS-033A	142 X 214	30,371	0.7	Forest	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
21.6	MVP-ATWS-034	111 X 277	30,395	0.7	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
21.6	MVP-ATWS-034A	155 X 271	37,387	0.9	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
23.0	MVP-ATWS-035	131 X 138	18,000	0.4	Field	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
23.1	MVP-ATWS-036	55 X 80	4,376	0.1	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
23.1	MVP-ATWS-036A	70 X 73	4,966	0.1	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
23.1	MVP-ATWS-037	54 X 154	7,063	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
23.1	MVP-ATWS-037A	Odd-shaped	3,804	0.1	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
23.7	MVP-ATWS-1355	Odd-shaped	26,993	0.6	Forest	Harrison	West Virginia	MVP-HA-031.01	Tractor trailer turn radius
23.7	MVP-ATWS-762	Odd-shaped	1,087	0.0	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
23.7	MVP-ATWS-763	Odd-shaped	734	0.0	Forest	Harrison	West Virginia	MVP-HA-031	Tractor trailer turn radius
23.9	MVP-ATWS-810	Odd-shaped	27,098	0.6	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
24.5	MVP-ATWS-038	Odd-shaped	8,448	0.2	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
24.5	MVP-ATWS-038A	Odd-shaped	3,839	0.1	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
24.6	MVP-ATWS-039	Odd-shaped	3,118	0.1	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
24.6	MVP-ATWS-039A	Odd-shaped	5,518	0.1	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
25.0	MVP-ATWS-040	Odd-shaped	32,339	0.7	Forest	Harrison	West Virginia	MVP-HA-032	Tractor trailer turn radius
25.0	MVP-ATWS-040A	Odd-shaped	20,211	0.5	Forest	Harrison	West Virginia	MVP-HA-032	Tractor trailer turn radius
25.0	MVP-ATWS-789	Odd-shaped	4,071	0.1	Forest	Harrison	West Virginia	MVP-HA-032	Tractor trailer turn radius
25.0	MVP-ATWS-789A	Odd-shaped	6,602	0.2	Forest	Harrison	West Virginia	MVP-HA-032	Tractor trailer turn radius
25.3	MVP-ATWS-041	50 X 585	29,373	0.7	Forest	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
25.3	MVP-ATWS-041A	100 X 368	36,666	0.8	Forest	Harrison	West Virginia	Mainline	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
25.8	MVP-ATWS-409	Odd-shaped	15,023	0.3	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
25.9	MVP-ATWS-042	96 X 287	27,273	0.6	PARKING	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
26.9	MVP-ATWS-043	Odd-shaped	13,879	0.3	Forest	Harrison	West Virginia	MVP-HA-033	Tractor trailer turn radius
26.9	MVP-ATWS-043A	Odd-shaped	15,548	0.4	Forest	Harrison	West Virginia	MVP-HA-033	Tractor trailer turn radius
26.9	MVP-ATWS-764	Odd-shaped	3,457	0.1	Forest	Harrison	West Virginia	MVP-HA-033	Tractor trailer turn radius
26.9	MVP-ATWS-764A	Odd-shaped	9,493	0.2	Forest	Harrison	West Virginia	MVP-HA-033	Tractor trailer turn radius
26.9	MVP-ATWS-765	Odd-shaped	77,593	1.8	Field	Harrison	West Virginia	MVP-HA-033	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
28.4	MVP-ATWS-413	Odd-shaped	18,137	0.4	Forest	Harrison	West Virginia	MVP-HA-034	Tractor trailer turn radius
28.4	MVP-ATWS-413A	Odd-shaped	20,587	0.5	Forest	Harrison	West Virginia	MVP-HA-034	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
29.2	MVP-ATWS-414	Odd-shaped	13,958	0.3	Forest	Harrison	West Virginia	MVP-HA-035	Tractor trailer turn radius
29.2	MVP-ATWS-414A	Odd-shaped	36,198	0.8	Forest	Harrison	West Virginia	MVP-HA-035	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
29.5	MVP-ATWS-415	Odd-shaped	6,743	0.2	Forest	Harrison	West Virginia	MVP-HA-036	Tractor trailer turn radius
29.5	MVP-ATWS-415A	Odd-shaped	9,113	0.2	Forest	Harrison	West Virginia	MVP-HA-036	Tractor trailer turn radius
29.5	MVP-ATWS-766	Odd-shaped	4,566	0.1	Forest	Harrison	West Virginia	MVP-HA-036	Tractor trailer turn radius
30.1	MVP-ATWS-827	65 X 113	7,043	0.2	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
30.2	MVP-ATWS-824	62 X 114	7,047	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
30.2	MVP-ATWS-826	68 X 122	8,050	0.2	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
30.5	MVP-ATWS-825	Odd-shaped	7,782	0.2	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
30.6	MVP-ATWS-417	50 X 337	16,851	0.4	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
30.9	MVP-ATWS-418	Odd-shaped	19,090	0.4	Forest	Harrison	West Virginia	MVP-HA-040	Tractor trailer turn radius
31.3	MVP-ATWS-046	50 X 225	11,345	0.3	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
31.3	MVP-ATWS-046A	Odd-shaped	15,777	0.4	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
31.4	MVP-ATWS-047	Odd-shaped	2,730	0.1	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
31.9	MVP-ATWS-048	Odd-shaped	10,694	0.3	Field	Doddridge	West Virginia	MVP-DO-041	Tractor trailer turn radius
31.9	MVP-ATWS-048A	Odd-shaped	15,524	0.4	Field	Doddridge	West Virginia	MVP-DO-041	Tractor trailer turn radius
31.9	MVP-ATWS-769	Odd-shaped	20,402	0.5	Field	Doddridge	West Virginia	MVP-DO-041	Tractor trailer turn radius
31.9	MVP-ATWS-769A	Odd-shaped	2,802	0.1	Field	Doddridge	West Virginia	MVP-DO-041	Tractor trailer turn radius
31.9	MVP-ATWS-770	Odd-shaped	33,957	0.8	Field	Doddridge	West Virginia	MVP-DO-041	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
32.1	MVP-ATWS-049	41 X 127	17,063	0.4	Field	Doddridge	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
32.8	MVP-ATWS-051	Odd-shaped	44,693	1.0	Field	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
32.8	MVP-ATWS-1338	69 X 109	8,217	0.2	Field	Harrison	West Virginia	MVP-HA-041.01	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
33.2	MVP-ATWS-052	Odd-shaped	22,913	0.5	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
33.5	MVP-ATWS-688	Odd-shaped	18,512	0.4	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
33.7	MVP-ATWS-689	Odd-shaped	25,953	0.6	Forest	Doddridge	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
34.1	MVP-ATWS-771	Odd-shaped	19,555	0.5	Forest	Doddridge	West Virginia	MVP-DO-044	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
34.1	MVP-ATWS-771A	Odd-shaped	14,330	0.3	Field	Doddridge	West Virginia	MVP-DO-044	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
34.1	MVP-ATWS-772	Odd-shaped	19,858	0.5	Forest	Doddridge	West Virginia	MVP-DO-044	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
34.1	MVP-ATWS-773	Odd-shaped	23,944	0.6	Field	Doddridge	West Virginia	MVP-DO-044	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
34.4	MVP-ATWS-774	Odd-shaped	32,287	0.7	Forest	Doddridge	West Virginia	MVP-DO-046	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
34.7	MVP-ATWS-776	154 x 193	29,478	0.7	Field	Doddridge	West Virginia	MVP-DO-047	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
34.7	MVP-ATWS-777	Odd-shaped	14,436	0.3	Field	Doddridge	West Virginia	MVP-DO-047	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
34.9	MVP-ATWS-053	212 X 708	143,661	3.3	Field	Doddridge	West Virginia	MVP-DO-048	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
35.9	MVP-ATWS-419A	Odd-shaped	6,077	0.1	Forest	Doddridge	West Virginia	MVP-DO-049	Tractor trailer turn radius
35.9	MVP-ATWS-778	Odd-shaped	18,790	0.4	Forest	Doddridge	West Virginia	MVP-DO-049	Tractor trailer turn radius
35.9	MVP-ATWS-778A	Odd-shaped	12,205	0.3	Forest	Doddridge	West Virginia	MVP-DO-049	Tractor trailer turn radius
35.9	MVP-ATWS-779	Odd-shaped	37,391	0.9	Forest	Doddridge	West Virginia	MVP-DO-049	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
36.0	MVP-ATWS-419	59 X 423	24,161	0.6	Forest	Doddridge	West Virginia	MVP-DO-049	Tractor trailer turn radius
36.1	MVP-ATWS-420	Odd-shaped	25,699	0.6	Field	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
36.7	MVP-ATWS-685	Odd-shaped	16,594	0.4	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
37.3	MVP-ATWS-1063	65 x 106	6,314	0.1	Forest	Harrison	West Virginia	MVP-HA-050 -	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
37.3	MVP-ATWS-1064	Odd-shaped	1,263	0.0	Forest	Harrison	West Virginia	MVP-HA-050.01	Tractor trailer turn radius
37.3	MVP-ATWS-1065	Odd-shaped	1,087	0.0	Forest	Harrison	West Virginia	MVP-HA-050.01	Tractor trailer turn radius
37.3	MVP-ATWS-781	87 x 263	2,289	0.1	Field	Harrison	West Virginia	MVP-HA-050	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
37.3	MVP-ATWS-781A	Odd-shaped	3,982	0.1	Field	Harrison	West Virginia	MVP-HA-050	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
37.9	MVP-ATWS-818	117 X 163	18,995	0.4	Forest	Harrison	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
38.1	MVP-ATWS-056	128 X 131	16,606	0.4	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
38.1	MVP-ATWS-056A	93 X 134	12,242	0.3	Field	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
38.1	MVP-ATWS-057	Odd-shaped	3,850	0.1	Forest	Harrison	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
39.5	MVP-ATWS-829	Odd-shaped	6,551	0.2	Forest	Lewis	West Virginia	MVP-LE-052	Tractor trailer turn radius
39.5	MVP-ATWS-830	40 X 208	7,644	0.2	Forest	Lewis	West Virginia	MVP-LE-052	Tractor trailer turn radius
40.0	MVP-ATWS-421	Odd-shaped	7,739	0.2	Forest	Lewis	West Virginia	MVP-LE-054	Tractor trailer turn radius
40.0	MVP-ATWS-421A	Odd-shaped	25,718	0.6	Forest	Lewis	West Virginia	MVP-LE-054	Tractor trailer turn radius
40.0	MVP-ATWS-831	Odd-shaped	12,320	0.3	Forest	Lewis	West Virginia	MVP-LE-054	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
40.0	MVP-ATWS-832	Odd-shaped	22,623	0.5	Forest	Lewis	West Virginia	MVP-LE-054	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
40.5	MVP-ATWS-058	50 X 258	13,000	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
41.3	MVP-ATWS-059	Odd-shaped	39,348	0.9	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
41.3	MVP-ATWS-059A	Odd-shaped	17,170	0.4	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
42.0	MVP-ATWS-060	77 x 178	12,147	0.3	Field	Lewis	West Virginia	MVP-LE-055	Tractor trailer turn radius
42.0	MVP-ATWS-060A	54 x 96	3,897	0.1	Field	Lewis	West Virginia	MVP-LE-055	Tractor trailer turn radius
42.0	MVP-ATWS-422	Odd-shaped	4,735	0.1	Forest	Lewis	West Virginia	MVP-LE-055	Tractor trailer turn radius
42.0	MVP-ATWS-422A	Odd-shaped	3,291	0.1	Forest	Lewis	West Virginia	MVP-LE-055	Tractor trailer turn radius
42.0	MVP-ATWS-835	Odd-shaped	10,970	0.3	Field	Lewis	West Virginia	MVP-LE-055	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
42.0	MVP-ATWS-836	Odd-shaped	8,622	0.2	Field	Lewis	West Virginia	MVP-LE-055	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
42.0	MVP-ATWS-837	Odd-shaped	22,489	0.5	Field	Lewis	West Virginia	MVP-LE-055	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
42.6	MVP-ATWS-686	Odd-shaped	3,494	0.1	Forest	Lewis	West Virginia	MVP-LE-056	Tractor trailer turn radius
42.6	MVP-ATWS-686A	Odd-shaped	2,604	0.1	Forest	Lewis	West Virginia	MVP-LE-056	Tractor trailer turn radius
42.7	MVP-ATWS-061	88 X 130	11,476	0.3	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
42.7	MVP-ATWS-061A	Odd-shaped	2,865	0.1	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
42.7	MVP-ATWS-062	40 X 65	2,540	0.1	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
42.7	MVP-ATWS-062A	92 X 98	8,946	0.2	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
43.1	MVP-ATWS-845	Odd-shaped	3,516	0.1	Forest	Lewis	West Virginia	MVP-LE-057	Tractor trailer turn radius
43.3	MVP-ATWS-838	Odd-shaped	2,880	0.1	Forest	Lewis	West Virginia	MVP-LE-057	Tractor trailer turn radius
43.3	MVP-ATWS-839	Odd-shaped	8,750	0.2	Forest	Lewis	West Virginia	MVP-LE-057	Tractor trailer turn radius
43.3	MVP-ATWS-840	Odd-shaped	7,042	0.2	Forest	Lewis	West Virginia	MVP-LE-057.1	Tractor trailer turn radius
43.3	MVP-ATWS-841	Odd-shaped	8,398	0.2	Forest	Lewis	West Virginia	MVP-LE-057	Tractor trailer turn radius
43.4	MVP-ATWS-842	Odd-shaped	8,134	0.2	Forest	Lewis	West Virginia	MVP-LE-057.2	Tractor trailer turn radius
43.4	MVP-ATWS-843	Odd-shaped	5,140	0.1	Forest	Lewis	West Virginia	MVP-LE-057.2	Tractor trailer turn radius
44.1	MVP-ATWS-460	Odd-shaped	5,567	0.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
44.2	MVP-ATWS-691	Odd-shaped	8,338	0.2	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
44.6	MVP-ATWS-063	Odd-shaped	20,964	0.5	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
44.6	MVP-ATWS-063A	Odd-shaped	105,991	2.4	Field	Lewis	West Virginia	MVP-LE-060	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
44.6	MVP-ATWS-851	Odd-shaped	8,223	0.2	Field	Lewis	West Virginia	MVP-LE-060	Tractor trailer turn radius
44.6	MVP-ATWS-852	Odd-shaped	4,597	0.1	Field	Lewis	West Virginia	MVP-LE-060	Tractor trailer turn radius
44.6	MVP-ATWS-853	Odd-shaped	1,296	0.0	Field	Lewis	West Virginia	MVP-LE-060	Tractor trailer turn radius
44.8	MVP-ATWS-064	Odd-shaped	65,992	1.5	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
44.9	MVP-ATWS-065	Odd-shaped	3,929	0.1	Field	Lewis	West Virginia	MVP-LE-061	Tractor trailer turn radius
44.9	MVP-ATWS-065A	Odd-shaped	1,325	0.0	Field	Lewis	West Virginia	MVP-LE-061	Tractor trailer turn radius
45.3	MVP-ATWS-423	Odd-shaped	2,852	0.1	Field	Lewis	West Virginia	MVP-LE-062	Tractor trailer turn radius
45.3	MVP-ATWS-423A	Odd-shaped	10,498	0.2	Field	Lewis	West Virginia	MVP-LE-062	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
45.3	MVP-ATWS-461	Odd-shaped	27,294	0.6	Field	Lewis	West Virginia	MVP-LE-062	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
45.5	MVP-ATWS-066	Odd-shaped	6,014	0.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
45.5	MVP-ATWS-066A	Odd-shaped	6,634	0.2	Field	Lewis	West Virginia	MVP-LE-063	Tractor trailer turn radius
45.5	MVP-ATWS-066B	Odd-shaped	3,094	0.1	Field	Lewis	West Virginia	MVP-LE-063	Tractor trailer turn radius
45.5	MVP-ATWS-068	Odd-shaped	2,942	0.1	Field	Lewis	West Virginia	MVP-LE-063	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
45.6	MVP-ATWS-067	Odd-shaped	14,509	0.3	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
45.6	MVP-ATWS-067A	Odd-shaped	76,106	1.8	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
45.8	MVP-ATWS-069	170 X 473	80,495	1.9	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
45.9	MVP-ATWS-070A	Odd-shaped	13,316	0.3	Field	Lewis	West Virginia	MVP-LE-064	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
45.9	MVP-ATWS-1341	Odd-shaped	15,674	0.4	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
46.0	MVP-ATWS-071	Odd-shaped	980	0.0	Field	Lewis	West Virginia	MVP-LE-065	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
46.0	MVP-ATWS-071A	63 X 72	4,903	0.1	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
46.1	MVP-ATWS-072	Odd-shaped	47,750	1.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
46.1	MVP-ATWS-072A	Odd-shaped	4,814	0.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
46.1	MVP-ATWS-072B	152 X 231	35,121	0.8	Field	Lewis	West Virginia	MVP-LE-065	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
46.1	MVP-ATWS-072C	40 X 198	6,172	0.1	Field	Lewis	West Virginia	MVP-LE-065	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
46.3	MVP-ATWS-073	Odd-shaped	4,854	0.1	Field	Lewis	West Virginia	MVP-LE-066	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
46.3	MVP-ATWS-823	Odd-shaped	6,929	0.2	Field	Lewis	West Virginia	MVP-LE-066	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
47.5	MVP-ATWS-476	Odd-shaped	47,949	1.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
48.0	MVP-ATWS-074	Odd-shaped	2,282	0.1	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
48.0	MVP-ATWS-074A	Odd-shaped	6,528	0.2	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
48.0	MVP-ATWS-477	Odd-shaped	9,137	0.2	Forest	Lewis	West Virginia	MVP-LE-067	Tractor trailer turn radius
48.0	MVP-ATWS-477A	Odd-shaped	8,901	0.2	Forest	Lewis	West Virginia	MVP-LE-067	Tractor trailer turn radius
48.1	MVP-ATWS-075	Odd-shaped	6,510	0.2	Field	Lewis	West Virginia	MVP-LE-068	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
48.1	MVP-ATWS-075A	94 X 128	12,436	0.3	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
48.1	MVP-ATWS-075B	Odd-shaped	3,800	0.1	Field	Lewis	West Virginia	MVP-LE-068	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrotest equipment
48.5	MVP-ATWS-076	Odd-shaped	24,026	0.6	Forest	Lewis	West Virginia	MVP-LE-068	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
48.5	MVP-ATWS-076A	Odd-shaped	7,577	0.2	Forest	Lewis	West Virginia	MVP-LE-068	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
50.9	MVP-ATWS-804	50 X 148	7,379	0.2	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
50.9	MVP-ATWS-806	Odd-shaped	1,761	0.0	Forest	Lewis	West Virginia	MVP-LE-069	Tractor trailer turn radius
51.0	MVP-ATWS-805	50 X 204	10,183	0.2	Forest	Lewis	West Virginia	MVP-LE-069	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
51.5	MVP-ATWS-801	50 X 322	16,107	0.4	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
51.8	MVP-ATWS-078	Odd-shaped	3,463	0.1	Field	Lewis	West Virginia	MVP-LE-070	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
51.8	MVP-ATWS-078A	Odd-shaped	28,968	0.7	Field	Lewis	West Virginia	MVP-LE-070	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
52.4	MVP-ATWS-079	Odd-shaped	67,321	1.6	Field	Lewis	West Virginia	MVP-LE-070	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
52.4	MVP-ATWS-856	Odd-shaped	18,738	0.4	Forest	Lewis	West Virginia	MVP-LE-070	Tractor trailer turn radius
52.4	MVP-ATWS-857	Odd-shaped	28,394	0.7	Forest	Lewis	West Virginia	MVP-LE-070	Tractor trailer turn radius
52.9	MVP-ATWS-080	Odd-shaped	10,441	0.2	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
52.9	MVP-ATWS-478	Odd-shaped	9,135	0.2	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
53.2	MVP-ATWS-425A	Odd-shaped	1,773	0.0	Field	Lewis	West Virginia	MVP-LE-071	Tractor trailer turn radius
53.8	MVP-ATWS-858	Odd-shaped	21,600	0.5	Forest	Lewis	West Virginia	MVP-LE-072	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
53.8	MVP-ATWS-917	Odd-shaped	39,902	0.9	Forest	Lewis	West Virginia	MVP-LE-072	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
53.9	MVP-ATWS-462	Odd-shaped	2,557	0.1	Field	Lewis	West Virginia	MVP-LE-072	Tractor trailer turn radius
54.2	MVP-ATWS-426	Odd-shaped	6,233	0.1	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
55.1	MVP-ATWS-081	Odd-shaped	10,465	0.2	Forest	Lewis	West Virginia	MVP-LE-073	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
55.1	MVP-ATWS-859	Odd-shaped	6,235	0.1	Forest	Lewis	West Virginia	MVP-LE-073	Tractor trailer turn radius
55.1	MVP-ATWS-860	Odd-shaped	4,079	0.1	Forest	Lewis	West Virginia	MVP-LE-073	Tractor trailer turn radius
55.1	MVP-ATWS-861	Odd-shaped	1,065	0.0	Field	Lewis	West Virginia	MVP-LE-073	Tractor trailer turn radius
55.2	MVP-ATWS-862	54 X 111	5,833	0.1	Field	Lewis	West Virginia	MVP-LE-073.1	Storage of excess spoil at crossings
55.2	MVP-ATWS-863	44 X 114	5,048	0.1	Field	Lewis	West Virginia	MVP-LE-073.1	Storage of excess spoil at crossings
55.3	MVP-ATWS-864	Odd-shaped	9,204	0.2	Forest	Lewis	West Virginia	MVP-LE-073.1	Tractor trailer turn radius
55.3	MVP-ATWS-865	Odd-shaped	9,817	0.2	Forest	Lewis	West Virginia	MVP-LE-073.1	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
56.8	MVP-ATWS-083	52 X 220	11,798	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
58.3	MVP-ATWS-084	Odd-shaped	43,739	1.0	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
58.6	MVP-ATWS-085	Odd-shaped	14,607	0.3	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
58.6	MVP-ATWS-085A	Odd-shaped	5,774	0.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
58.7	MVP-ATWS-086A	89 X 241	21,175	0.5	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
58.9	MVP-ATWS-475	Odd-shaped	15,959	0.4	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
59.0	MVP-ATWS-692	Odd-shaped	11,147	0.3	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
59.3	MVP-ATWS-087	Odd-shaped	15,557	0.4	Field	Lewis	West Virginia	MVP-LE-074	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
59.3	MVP-ATWS-088	Odd-shaped	26,490	0.6	Field	Lewis	West Virginia	MVP-LE-074	Tractor trailer turn radius
59.3	MVP-ATWS-427	Odd-shaped	17,340	0.4	Field	Lewis	West Virginia	MVP-LE-074	Tractor trailer turn radius
59.3	MVP-ATWS-866	Odd-shaped	13,324	0.3	Field	Lewis	West Virginia	MVP-LE-074	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
59.3	MVP-ATWS-918	Odd-shaped	6,139	0.1	Field	Lewis	West Virginia	MVP-LE-074	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
59.6	MVP-ATWS-089	99 X 266	25,623	0.6	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
59.6	MVP-ATWS-428	Odd-shaped	25,953	0.6	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
59.7	MVP-ATWS-867	Odd-shaped	7,806	0.2	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-868	Odd-shaped	7,296	0.2	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-869	Odd-shaped	10,998	0.3	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-870	Odd-shaped	3,112	0.1	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-871	Odd-shaped	9,103	0.2	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-872	Odd-shaped	4,622	0.1	Forest	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.7	MVP-ATWS-873	Odd-shaped	8,861	0.2	Field	Lewis	West Virginia	MVP-LE-075	Tractor trailer turn radius
59.8	MVP-ATWS-429	Odd-shaped	10,825	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
59.8	MVP-ATWS-874	Odd-shaped	8,546	0.2	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
59.8	MVP-ATWS-875	Odd-shaped	4,545	0.1	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.0	MVP-ATWS-430	Odd-shaped	3,834	0.1	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
60.0	MVP-ATWS-430A	Odd-shaped	1,797	0.0	Field	Lewis	West Virginia	MVP-LE-076	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
60.0	MVP-ATWS-430B	Odd-shaped	6,701	0.2	Field	Lewis	West Virginia	MVP-LE-076	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
60.0	MVP-ATWS-878	Odd-shaped	2,133	0.1	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.0	MVP-ATWS-879	Odd-shaped	1,639	0.0	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.0	MVP-ATWS-880	Odd-shaped	12,058	0.3	Field	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.0	MVP-ATWS-881	64 x 79	4,635	0.1	Field	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.1	MVP-ATWS-431	83 X 206	16,676	0.4	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
60.2	MVP-ATWS-432	86 X 181	12,782	0.3	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, parking

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
60.2	MVP-ATWS-463	Odd-shaped	8,976	0.2	Forest	Lewis	West Virginia	MVP-LE-077	Tractor trailer turn radius
60.2	MVP-ATWS-463A	Odd-shaped	2,525	0.1	Forest	Lewis	West Virginia	MVP-LE-077	Tractor trailer turn radius
60.2	MVP-ATWS-876	Odd-shaped	8,157	0.2	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.2	MVP-ATWS-877	Odd-shaped	7,420	0.2	Forest	Lewis	West Virginia	MVP-LE-076	Tractor trailer turn radius
60.3	MVP-ATWS-433	Odd-shaped	11,738	0.3	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
60.3	MVP-ATWS-433A	Odd-shaped	18,178	0.4	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
60.4	MVP-ATWS-479	Odd-shaped	15,054	0.4	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
60.8	MVP-ATWS-480	Odd-shaped	20,453	0.5	Field	Lewis	West Virginia	MVP-LE-077.01	Tractor trailer turn radius
61.3	MVP-ATWS-795	60 X 95	5,701	0.1	Field	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
61.4	MVP-ATWS-796	50 X 69	3,425	0.1	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
62.1	MVP-ATWS-797	60 X 265	15,939	0.4	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
62.5	MVP-ATWS-793	Odd-shaped	32,951	0.8	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
63.9	MVP-ATWS-093	Odd-shaped	13,303	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
63.9	MVP-ATWS-093A	Odd-shaped	10,866	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
64.4	MVP-ATWS-095	50 X 234	11,699	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
64.7	MVP-ATWS-096	Odd-shaped	32,940	0.8	Field	Lewis	West Virginia	Mainline	Tractor trailer turn radius
64.7	MVP-ATWS-096A	Odd-shaped	15,641	0.4	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, parking
65.3	MVP-ATWS-817	Odd-shaped	13,945	0.3	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
65.5	MVP-ATWS-435	Odd-shaped	18,176	0.4	Forest	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
65.5	MVP-ATWS-436	Odd-shaped	43,647	1.0	Field	Lewis	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
65.6	MVP-ATWS-438	80 X 95	7,522	0.2	Forest	Lewis	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
67.5	MVP-ATWS-100	Odd-shaped	11,229	0.3	Field	Braxton	West Virginia	MVP-BR-086	Tractor trailer turn radius
67.5	MVP-ATWS-100A	Odd-shaped	5,166	0.1	Field	Braxton	West Virginia	MVP-BR-086	Tractor trailer turn radius
67.5	MVP-ATWS-101	Odd-shaped	29,024	0.7	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
67.5	MVP-ATWS-883	Odd-shaped	9,377	0.2	Forest	Braxton	West Virginia	MVP-BR-085	Tractor trailer turn radius
67.8	MVP-ATWS-102	Odd-shaped	78,362	1.8	Forest	Braxton	West Virginia	MVP-BR-087	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
67.8	MVP-ATWS-103	Odd-shaped	29,455	0.7	Field	Braxton	West Virginia	MVP-BR-087	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
67.8	MVP-ATWS-103A	Odd-shaped	13,029	0.3	Field	Braxton	West Virginia	MVP-BR-087	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
67.8	MVP-ATWS-884	Odd-shaped	4,709	0.1	Field	Braxton	West Virginia	MVP-BR-087	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
68.6	MVP-ATWS-105	Odd-shaped	11,251	0.3	Forest	Braxton	West Virginia	MVP-BR-088	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
68.6	MVP-ATWS-885	Odd-shaped	3,826	0.1	Forest	Braxton	West Virginia	MVP-BR-088	Tractor trailer turn radius
68.6	MVP-ATWS-886	Odd-shaped	18,251	0.4	Forest	Braxton	West Virginia	MVP-BR-088	Tractor trailer turn radius
68.6	MVP-ATWS-887	Odd-shaped	6,907	0.2	Forest	Braxton	West Virginia	MVP-BR-088	Tractor trailer turn radius
68.6	MVP-ATWS-888	Odd-shaped	1,082	0.0	Forest	Braxton	West Virginia	MVP-BR-088	Tractor trailer turn radius
68.8	MVP-ATWS-106	Odd-shaped	26,908	0.6	Field	Braxton	West Virginia	MVP-BR-089.01	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
68.8	MVP-ATWS-439	Odd-shaped	3,328	0.1	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
70.5	MVP-ATWS-822	50 X 150	7,576	0.2	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.0	MVP-ATWS-889	Odd-shaped	14,047	0.3	Forest	Braxton	West Virginia	MVP-BR-093	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
72.0	MVP-ATWS-890	Odd-shaped	2,303	0.1	Forest	Braxton	West Virginia	MVP-BR-093	Tractor trailer turn radius
72.1	MVP-ATWS-109A	Odd-shaped	327,000	7.5	Field	Braxton	West Virginia	MVP-BR-093 -094	Tractor trailer turn radius
72.2	MVP-ATWS-891	Odd-shaped	10,439	0.2	Forest	Braxton	West Virginia	MVP-BR-093	Tractor trailer turn radius
72.2	MVP-ATWS-892	Odd-shaped	5,637	0.1	Forest	Braxton	West Virginia	MVP-BR-093	Tractor trailer turn radius
72.2	MVP-ATWS-893	Odd-shaped	25,935	0.6	Forest	Braxton	West Virginia	MVP-BR-094	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.3	MVP-ATWS-894	Odd-shaped	9,783	0.2	Forest	Braxton	West Virginia	MVP-BR-093 -094	Tractor trailer turn radius
72.3	MVP-ATWS-896	Odd-shaped	2,885	0.1	Forest	Braxton	West Virginia	MVP-BR-095	Tractor trailer turn radius
72.3	MVP-ATWS-897	Odd-shaped	828	0.0	Forest	Braxton	West Virginia	MVP-BR-095	Tractor trailer turn radius
72.4	MVP-ATWS-110	Odd-shaped	34,004	0.8	Forest	Braxton	West Virginia	MVP-BR-095	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.5	MVP-ATWS-111	47 x 146	6,935	0.2	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
72.5	MVP-ATWS-111A	17 x 85	1,402	0.0	Forest	Braxton	West Virginia	MVP-BR-096	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.5	MVP-ATWS-440	Odd-shaped	7,131	0.2	Forest	Braxton	West Virginia	MVP-BR-095	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.5	MVP-ATWS-440A	Odd-shaped	17,461	0.4	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
72.5	MVP-ATWS-898	Odd-shaped	1,172	0.0	Field	Braxton	West Virginia	MVP-BR-096	Tractor trailer turn radius
72.5	MVP-ATWS-899	Odd-shaped	4,571	0.1	Field	Braxton	West Virginia	MVP-BR-096 -097	Tractor trailer turn radius
72.6	MVP-ATWS-900	Odd-shaped	3,869	0.1	Forest	Braxton	West Virginia	MVP-BR-097	Tractor trailer turn radius
72.6	MVP-ATWS-901	Odd-shaped	5,090	0.1	Forest	Braxton	West Virginia	MVP-BR-097	Tractor trailer turn radius
72.7	MVP-ATWS-112	Odd-shaped	24,918	0.6	Forest	Braxton	West Virginia	MVP-BR-097	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
72.7	MVP-ATWS-112A	Odd-shaped	51,801	1.2	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.4	MVP-ATWS-114	Odd-shaped	126,800	2.9	Field	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
73.4	MVP-ATWS-114A	Odd-shaped	7,498	0.2	Forest	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
73.4	MVP-ATWS-800	65 x 185	9,393	0.2	Field	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
73.4	MVP-ATWS-902	Odd-shaped	7,876	0.2	Forest	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius
73.4	MVP-ATWS-903	Odd-shaped	6,471	0.2	Forest	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius
73.4	MVP-ATWS-904	Odd-shaped	4,885	0.1	Forest	Braxton	West Virginia	MVP-BR-098	Tractor trailer turn radius
73.6	MVP-ATWS-115	Odd-shaped	6,281	0.1	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
73.7	MVP-ATWS-116	Odd-shaped	40,055	0.9	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.7	MVP-ATWS-116A	Odd-shaped	15,842	0.4	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.8	MVP-ATWS-441	33 X 87	2,556	0.1	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.8	MVP-ATWS-441A	33 x 88	2,874	0.1	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.8	MVP-ATWS-608	Odd-shaped	21,590	0.5	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
73.8	MVP-ATWS-608A	Odd-shaped	29,929	0.7	Forest	Braxton	West Virginia	MVP-BR-099	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
73.9	MVP-ATWS-608B	Odd-shaped	12,765	0.3	Field	Braxton	West Virginia	MVP-BR-099	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
74.1	MVP-ATWS-905	Odd-shaped	7,955	0.2	Forest	Braxton	West Virginia	MVP-BR-100	Tractor trailer turn radius
74.1	MVP-ATWS-906	Odd-shaped	6,839	0.2	Forest	Braxton	West Virginia	MVP-BR-100	Tractor trailer turn radius
74.1	MVP-ATWS-907	Odd-shaped	23,455	0.5	Forest	Braxton	West Virginia	MVP-BR-100	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
74.5	MVP-ATWS-117	Odd-shaped	29,059	0.7	Forest	Braxton	West Virginia	MVP-BR-101	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
74.5	MVP-ATWS-117A	Odd-shaped	13,590	0.3	Forest	Braxton	West Virginia	MVP-BR-101	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
74.8	MVP-ATWS-118	Odd-shaped	4,726	0.1	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
74.8	MVP-ATWS-118A	Odd-shaped	1,003	0.0	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
74.8	MVP-ATWS-908	Odd-shaped	8,782	0.2	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
74.8	MVP-ATWS-909	Odd-shaped	1,808	0.0	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
74.8	MVP-ATWS-910	Odd-shaped	4,715	0.1	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
74.8	MVP-ATWS-911	Odd-shaped	3,260	0.1	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
74.9	MVP-ATWS-912	Odd-shaped	3,973	0.1	Forest	Braxton	West Virginia	MVP-BR-103	Tractor trailer turn radius
75.0	MVP-ATWS-119	Odd-shaped	119,417	2.7	Field	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required, and hydrotest equipment and water storage.
75.3	MVP-ATWS-120	Odd-shaped	29,030	0.7	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
76.3	MVP-ATWS-122	Odd-shaped	50,385	1.2	Field	Braxton	West Virginia	MVP-BR-104	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
76.3	MVP-ATWS-122A	Odd-shaped	270,978	6.2	Field	Braxton	West Virginia	MVP-BR-104	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
76.6	MVP-ATWS-123	Odd-shaped	48,410	1.1	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
76.9	MVP-ATWS-124	Odd-shaped	42,906	1.0	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
77.3	MVP-ATWS-126	Odd-shaped	1,949	0.0	Field	Braxton	West Virginia	MVP-BR-105	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
77.7	MVP-ATWS-128	Odd-shaped	9,525	0.2	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
77.8	MVP-ATWS-129	Odd-shaped	31,689	0.7	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
78.0	MVP-ATWS-130	Odd-shaped	43,723	1.0	Field	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
78.0	MVP-ATWS-130A	Odd-shaped	22,649	0.5	Field	Braxton	West Virginia	MVP-BR-106	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
78.0	MVP-ATWS-130B	Odd-shaped	41,535	1.0	Field	Braxton	West Virginia	MVP-BR-106	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
78.0	MVP-ATWS-913	91 x 177	13,215	0.3	Field	Braxton	West Virginia	MVP-BR-106	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
78.0	MVP-ATWS-914	Odd-shaped	14,994	0.3	Field	Braxton	West Virginia	MVP-BR-106	Tractor trailer turn radius
78.0	MVP-ATWS-915	Odd-shaped	9,003	0.2	Field	Braxton	West Virginia	MVP-BR-106	Tractor trailer turn radius
78.2	MVP-ATWS-131	Odd-shaped	36,115	0.8	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
78.2	MVP-ATWS-131A	Odd-shaped	22,124	0.5	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
78.2	MVP-ATWS-132A	Odd-shaped	21,607	0.5	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
78.4	MVP-ATWS-133	Odd-shaped	39,170	0.9	Forest	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
78.5	MVP-ATWS-134	Odd-shaped	19,473	0.5	Field	Braxton	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
79.5	MVP-ATWS-442	Odd-shaped	51,696	1.2	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
79.9	MVP-ATWS-137	Odd-shaped	46,533	1.1	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
80.1	MVP-ATWS-138	50 X 250	12,595	0.3	Forest	Braxton	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
80.4	MVP-ATWS-139	Odd-shaped	14,668	0.3	Forest	Webster	West Virginia	MVP-WB-107	Tractor trailer turn radius
80.4	MVP-ATWS-730	Odd-shaped	11,657	0.3	Forest	Webster	West Virginia	MVP-WB-107	Tractor trailer turn radius
80.4	MVP-ATWS-919	Odd-shaped	7,826	0.2	Forest	Webster	West Virginia	MVP-WB-107	Tractor trailer turn radius
80.6	MVP-ATWS-731	50 X 242	12,112	0.3	Forest	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
81.6	MVP-ATWS-792	52 X 92	4,639	0.1	Forest	Webster	West Virginia	Mainline	Storage of excess spoil at crossings
81.8	MVP-ATWS-716	Odd-shaped	54,100	1.2	Field	Webster	West Virginia	MVP-WB-111	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
81.8	MVP-ATWS-716A	Odd-shaped	39,012	0.9	Field	Webster	West Virginia	MVP-WB-111	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
82.4	MVP-ATWS-717A	100 X 178	17,761	0.4	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
83.2	MVP-ATWS-1035	Odd-shaped	589	0.0	Forest	Webster	West Virginia	MVP-WB-116	Tractor trailer turn radius
83.2	MVP-ATWS-1036	Odd-shaped	4,633	0.1	Forest	Webster	West Virginia	MVP-WB-116	Tractor trailer turn radius
83.2	MVP-ATWS-141	Odd-shaped	34,559	0.8	Forest	Webster	West Virginia	MVP-WB-116	Tractor trailer turn radius
83.2	MVP-ATWS-141A	Odd-shaped	77,814	1.8	Forest	Webster	West Virginia	MVP-WB-116	Tractor trailer turn radius
83.7	MVP-ATWS-926	Odd-shaped	1,516	0.0	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-142	Odd-shaped	11,285	0.3	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-443	Odd-shaped	5,400	0.1	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-443A	Odd-shaped	4,807	0.1	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-920	Odd-shaped	10,251	0.2	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-921	Odd-shaped	4,623	0.1	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-922	Odd-shaped	24,029	0.6	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
83.8	MVP-ATWS-923	Odd-shaped	11,349	0.3	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-924	Odd-shaped	3,748	0.1	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
83.8	MVP-ATWS-925	Odd-shaped	14,142	0.3	Forest	Webster	West Virginia	MVP-WB-117	Tractor trailer turn radius
84.0	MVP-ATWS-972	Odd-shaped	1,940	0.0	Field	Webster	West Virginia	MVP-WB-117.01	Tractor trailer turn radius
84.0	MVP-ATWS-973	Odd-shaped	2,570	0.1	Field	Webster	West Virginia	MVP-WB-117.01	Tractor trailer turn radius
84.1	MVP-ATWS-445	Odd-shaped	10,253	0.2	Forest	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
84.8	MVP-ATWS-143	Odd-shaped	8,301	0.2	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
85.3	MVP-ATWS-144	Odd-shaped	55,578	1.3	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
85.7	MVP-ATWS-145	Odd-shaped	14,416	0.3	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
85.8	MVP-ATWS-706	Odd-shaped	60,211	1.4	Forest	Webster	West Virginia	MVP-WB-119	Tractor trailer turn radius
86.2	MVP-ATWS-927	Odd-shaped	7,798	0.2	Forest	Webster	West Virginia	MVP-WB-119	Tractor trailer turn radius
86.3	MVP-ATWS-705	Odd-shaped	4,693	0.1	Forest	Webster	West Virginia	MVP-WB-119	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
86.3	MVP-ATWS-705A	Odd-shaped	27,708	0.6	Forest	Webster	West Virginia	MVP-WB-119	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
86.3	MVP-ATWS-928	Odd-shaped	9,422	0.2	Forest	Webster	West Virginia	MVP-WB-119	Tractor trailer turn radius
86.3	MVP-ATWS-929	Odd-shaped	53,060	1.2	Forest	Webster	West Virginia	MVP-WB-119	Tractor trailer turn radius
86.3	MVP-ATWS-930	Odd-shaped	29,109	0.7	Forest	Webster	West Virginia	MVP-WB-119	Tractor trailer turn radius
86.6	MVP-ATWS-447	Odd-shaped	14,395	0.3	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
87.4	MVP-ATWS-146	Odd-shaped	68,550	1.6	Forest	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic test water storage, and additional vehicle/equipment parking if required.
88.5	MVP-ATWS-931	Odd-shaped	70,475	1.6	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
88.5	MVP-ATWS-932	Odd-shaped	44,608	1.0	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
88.8	MVP-ATWS-933	Odd-shaped	99,500	2.3	Forest	Webster	West Virginia	MVP-WB-120	Tractor trailer turn radius
88.8	MVP-ATWS-934	Odd-shaped	38,429	0.9	Forest	Webster	West Virginia	MVP-WB-120	Tractor trailer turn radius
88.8	MVP-ATWS-935	Odd-shaped	25,354	0.6	Forest	Webster	West Virginia	MVP-WB-120	Tractor trailer turn radius
89.1	MVP-ATWS-729	50 x 100	5,000	0.1	Forest	Webster	West Virginia	MVP-WB-120.01	Tractor trailer turn radius
89.6	MVP-ATWS-149	47 x 177	7,989	0.2	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
90.0	MVP-ATWS-936	Odd-shaped	30,957	0.7	Forest	Webster	West Virginia	MVP-WB-120.1	Tractor trailer turn radius
90.1	MVP-ATWS-150	Odd-shaped	56,446	1.3	Forest	Webster	West Virginia	MVP-WB-120.01	Tractor trailer turn radius
90.1	MVP-ATWS-940	Odd-shaped	13,829	0.3	Forest	Webster	West Virginia	MVP-WB-120.1	Tractor trailer turn radius
90.3	MVP-ATWS-941	Odd-shaped	14,060	0.3	Forest	Webster	West Virginia	MVP-WB-120.1 -	Tractor trailer turn radius
90.3	MVP-ATWS-942	Odd-shaped	23,205	0.5	Forest	Webster	West Virginia	MVP-WB-121	Tractor trailer turn radius
90.3	MVP-ATWS-943	Odd-shaped	11,174	0.3	Forest	Webster	West Virginia	MVP-WB-121 -122	Tractor trailer turn radius
90.6	MVP-ATWS-937	Odd-shaped	12,276	0.3	Forest	Webster	West Virginia	MVP-WB-121	Tractor trailer turn radius
90.7	MVP-ATWS-151	Odd-shaped	13,281	0.3	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
90.7	MVP-ATWS-151A	37 X 114	4,233	0.1	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
90.8	MVP-ATWS-482	Odd-shaped	9,701	0.2	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
90.8	MVP-ATWS-938	Odd-shaped	6,152	0.1	Forest	Webster	West Virginia	MVP-WB-122	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
90.8	MVP-ATWS-939	Odd-shaped	6,639	0.2	Forest	Webster	West Virginia	MVP-WB-122	Tractor trailer turn radius
91.2	MVP-ATWS-449	121 X 200	23,946	0.6	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
91.9	MVP-ATWS-483	Odd-shaped	652	0.0	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-483A	Odd-shaped	3,108	0.1	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-945	Odd-shaped	39,680	0.9	Field	Webster	West Virginia	MVP-WB-123 -125	Tractor trailer turn radius
91.9	MVP-ATWS-946	Odd-shaped	31,639	0.7	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-947	Odd-shaped	48,205	1.1	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-948	Odd-shaped	12,217	0.3	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-949	Odd-shaped	19,522	0.5	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-950	Odd-shaped	4,314	0.1	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-951	Odd-shaped	14,592	0.3	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-952	Odd-shaped	10,757	0.3	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
91.9	MVP-ATWS-953	Odd-shaped	5,939	0.1	Forest	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
92.0	MVP-ATWS-156	Odd-shaped	16,639	0.4	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
92.5	MVP-ATWS-157	61 X 90	5,459	0.1	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
92.5	MVP-ATWS-157A	50 X 160	8,009	0.2	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
92.7	MVP-ATWS-450	Odd-shaped	17,500	0.4	Forest	Webster	West Virginia	MVP-WB-125	Tractor trailer turn radius
92.7	MVP-ATWS-944	Odd-shaped	18,946	0.4	Forest	Webster	West Virginia	MVP-WB-125	Tractor trailer turn radius
93.1	MVP-ATWS-678	Odd-shaped	2,234	0.1	Forest	Webster	West Virginia	MVP-WB-126	Tractor trailer turn radius
93.2	MVP-ATWS-1344	Odd-shaped	5,280	0.1	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
93.2	MVP-ATWS-161	Odd-shaped	8,150	0.2	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
93.7	MVP-ATWS-162	85 X 203	16,846	0.4	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
94.1	MVP-ATWS-163	80 X 242	16,854	0.4	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
95.4	MVP-ATWS-164	Odd-shaped	13,761	0.3	Forest	Webster	West Virginia	MVP-WB-126.01	Tractor trailer turn radius
95.4	MVP-ATWS-165	Odd-shaped	2,587	0.1	ROAD	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
95.4	MVP-ATWS-165A	Odd-shaped	4,531	0.1	ROAD	Webster	West Virginia	MVP-WB-123	Tractor trailer turn radius
95.4	MVP-ATWS-167	Odd-shaped	1,645	0.0	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
95.4	MVP-ATWS-168	Odd-shaped	52,398	1.2	Forest	Webster	West Virginia	MVP-WB-126.01	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
96.8	MVP-ATWS-170	174 X 375	56,932	1.3	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
97.7	MVP-ATWS-171	138 X 310	39,956	0.9	Forest	Webster	West Virginia	MVP-WB-127	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
97.7	MVP-ATWS-171A	189 X 221	39,328	0.9	Forest	Webster	West Virginia	MVP-WB-127	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
97.7	MVP-ATWS-171B	78 X 585	44,868	1.0	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
97.7	MVP-ATWS-171C	56 X 439	24,126	0.6	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
98.1	MVP-ATWS-451	Odd-shaped	28,167	0.7	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
98.2	MVP-ATWS-485	Odd-shaped	673	0.0	Forest	Webster	West Virginia	MVP-WB-128	Tractor trailer turn radius
98.2	MVP-ATWS-485A	81 X 308	22,188	0.5	Forest	Webster	West Virginia	MVP-WB-128	Tractor trailer turn radius
98.2	MVP-ATWS-956	Odd-shaped	10,532	0.2	Field	Webster	West Virginia	MVP-WB-128	Tractor trailer turn radius
98.2	MVP-ATWS-957	Odd-shaped	3,704	0.1	Field	Webster	West Virginia	MVP-WB-128	Tractor trailer turn radius
98.7	MVP-ATWS-452	91 X 263	23,886	0.6	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
98.9	MVP-ATWS-453	74 X 84	6,175	0.1	Forest	Webster	West Virginia	MVP-WB-129	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
98.9	MVP-ATWS-454	Odd-shaped	2,555	0.1	Forest	Webster	West Virginia	MVP-WB-129	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
98.9	MVP-ATWS-454A	Odd-shaped	3,183	0.1	Forest	Webster	West Virginia	MVP-WB-129	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
101.7	MVP-ATWS-173	Odd-shaped	24,882	0.6	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
102.9	MVP-ATWS-175	Odd-shaped	16,515	0.4	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
103.2	MVP-ATWS-176	Odd-shaped	3,458	0.1	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
103.2	MVP-ATWS-176A	Odd-shaped	11,739	0.3	Forest	Webster	West Virginia	MVP-WB-131	Tractor trailer turn radius
103.3	MVP-ATWS-455	Odd-shaped	31,694	0.7	Forest	Webster	West Virginia	MVP-WB-131	Tractor trailer turn radius
104.1	MVP-ATWS-178	Odd-shaped	29,854	0.7	Forest	Webster	West Virginia	MVP-WB-132	Tractor trailer turn radius
104.1	MVP-ATWS-178A	Odd-shaped	5,067	0.1	Forest	Webster	West Virginia	MVP-WB-132	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
104.1	MVP-ATWS-178B	63 X 285	17,840	0.4	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
104.2	MVP-ATWS-179	Odd-shaped	31,810	0.7	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
104.2	MVP-ATWS-179A	Odd-shaped	97,203	2.2	Field	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
104.6	MVP-ATWS-180A	Odd-shaped	419,837	9.6	Field	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
104.8	MVP-ATWS-181	Odd-shaped	105,064	2.4	Field	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
105.1	MVP-ATWS-182	Odd-shaped	33,848	0.8	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
105.8	MVP-ATWS-184	Odd-shaped	2,989	0.1	Forest	Webster	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
105.9	MVP-ATWS-185	89 X 219	18,170	0.4	Field	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
106.1	MVP-ATWS-186	Odd-shaped	31,239	0.7	Field	Webster	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
107.3	MVP-ATWS-958	Odd-shaped	17,265	0.4	Forest	Webster	West Virginia	Mainline	Tractor trailer turn radius
107.3	MVP-ATWS-959	Odd-shaped	6,345	0.2	Forest	Webster	West Virginia	Mainline	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
107.3	MVP-ATWS-960	Odd-shaped	14,813	0.3	Forest	Webster	West Virginia	MVP-WB-133	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
107.3	MVP-ATWS-961	Odd-shaped	13,231	0.3	Forest	Webster	West Virginia	MVP-WB-133	Tractor trailer turn radius
107.3	MVP-ATWS-962	Odd-shaped	9,071	0.2	Forest	Webster	West Virginia	MVP-WB-133	Tractor trailer turn radius
109.4	MVP-ATWS-188	Odd-shaped	25,031	0.6	Field	Webster	West Virginia	MVP-WB-134	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
109.4	MVP-ATWS-967	Odd-shaped	7,325	0.2	Field	Webster	West Virginia	MVP-WB-134	Tractor trailer turn radius
109.7	MVP-ATWS-456	50 X 178	8,896	0.2	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
109.7	MVP-ATWS-457	Odd-shaped	6,828	0.2	Forest	Nicholas	West Virginia	MVP-NI-136	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
109.7	MVP-ATWS-964	Odd-shaped	392	0.0	Forest	Nicholas	West Virginia	MVP-NI-136	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
109.8	MVP-ATWS-190	Odd-shaped	5,357	0.1	Forest	Nicholas	West Virginia	MVP-NI-136	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
109.8	MVP-ATWS-965	Odd-shaped	1,499	0.0	Forest	Nicholas	West Virginia	MVP-NI-136	Tractor trailer turn radius
109.9	MVP-ATWS-966	83 X 154	12,079	0.3	Forest	Nicholas	West Virginia	MVP-NI-136	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
111.0	MVP-ATWS-193A	Odd-shaped	94,312	2.2	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
111.1	MVP-ATWS-194	127 x 168	20,644	0.5	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
111.1	MVP-ATWS-195	Odd-shaped	33,553	0.8	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
111.4	MVP-ATWS-976	Odd-shaped	6,109	0.1	Forest	Nicholas	West Virginia	MVP-NI-137	Tractor trailer turn radius
111.4	MVP-ATWS-977	Odd-shaped	4,935	0.1	Forest	Nicholas	West Virginia	MVP-NI-137	Tractor trailer turn radius
111.9	MVP-ATWS-1046	Odd-shaped	2,840	0.1	Field	Nicholas	West Virginia	MVP-NI-139	Tractor trailer turn radius
111.9	MVP-ATWS-1047	Odd-shaped	3,183	0.1	Field	Nicholas	West Virginia	MVP-NI-139	Tractor trailer turn radius
111.9	MVP-ATWS-1048	Odd-shaped	1,504	0.0	Field	Nicholas	West Virginia	MVP-NI-139	Tractor trailer turn radius
111.9	MVP-ATWS-1049	Odd-shaped	3,583	0.1	Forest	Nicholas	West Virginia	MVP-NI-139	Tractor trailer turn radius
112.2	MVP-ATWS-982	Odd-shaped	8,795	0.2	Forest	Nicholas	West Virginia	MVP-NI-140	Tractor trailer turn radius
112.3	MVP-ATWS-981	Odd-shaped	9,503	0.2	Field	Nicholas	West Virginia	MVP-NI-140	Tractor trailer turn radius
112.3	MVP-ATWS-983	Odd-shaped	9,720	0.2	Forest	Nicholas	West Virginia	MVP-NI-140	Tractor trailer turn radius
112.7	MVP-ATWS-196	58 x 858	36,611	0.8	Field	Nicholas	West Virginia	MVP-NI-141	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
112.7	MVP-ATWS-984	Odd-shaped	7,037	0.2	Forest	Nicholas	West Virginia	MVP-NI-141	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
112.9	MVP-ATWS-197	Odd-shaped	36,900	0.9	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
113.4	MVP-ATWS-970	180 X 180	32,197	0.7	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
113.5	MVP-ATWS-971	113 X 160	18,346	0.4	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
114.3	MVP-ATWS-550	199 x 227	44,273	1.0	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
114.4	MVP-ATWS-200	143 x 147	35,201	0.8	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
114.7	MVP-ATWS-201	Odd-shaped	104,633	2.4	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
114.8	MVP-ATWS-1314	50 x 191	9,539	0.2	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
114.9	MVP-ATWS-202	302 X 537	159,114	3.7	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
115.3	MVP-ATWS-985	Odd-shaped	10,898	0.3	Forest	Nicholas	West Virginia	MVP-NI-145	Tractor trailer turn radius
115.3	MVP-ATWS-986	Odd-shaped	7,028	0.2	Field	Nicholas	West Virginia	MVP-NI-145	Tractor trailer turn radius
115.3	MVP-ATWS-987	Odd-shaped	5,139	0.1	Field	Nicholas	West Virginia	MVP-NI-145	Tractor trailer turn radius
115.6	MVP-ATWS-203	Odd-shaped	15,758	0.4	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
115.7	MVP-ATWS-992	Odd-shaped	3,671	0.1	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-ATWS-993	Odd-shaped	641	0.0	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
115.7	MVP-ATWS-994	Odd-shaped	2,209	0.1	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-ATWS-995	Odd-shaped	1,386	0.0	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-AWTS-988	Odd-shaped	12,726	0.3	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-AWTS-989	Odd-shaped	3,219	0.1	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-AWTS-990	Odd-shaped	3,333	0.1	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.7	MVP-AWTS-991	Odd-shaped	4,213	0.1	Forest	Nicholas	West Virginia	MVP-NI-146	Tractor trailer turn radius
115.8	MVP-ATWS-585	Odd-shaped	20,749	0.5	Forest	Nicholas	West Virginia	MVP-NI-146	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
115.8	MVP-ATWS-585A	Odd-shaped	25,454	0.6	Forest	Nicholas	West Virginia	MVP-NI-146	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
115.8	MVP-ATWS-585B	Odd-shaped	9,217	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
116.0	MVP-ATWS-204	Odd-shaped	25,019	0.6	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
116.2	MVP-ATWS-1050	Odd-shaped	9,774	0.2	Field	Nicholas	West Virginia	MVP-NI-147	Tractor trailer turn radius
116.2	MVP-ATWS-206	Odd-shaped	57,245	1.3	Field	Nicholas	West Virginia	MVP-NI-147	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
116.3	MVP-ATWS-206A	123 X 201	24,407	0.6	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
116.4	MVP-ATWS-1052	Odd-shaped	4,112	0.1	Field	Nicholas	West Virginia	MVP-NI-148	Tractor trailer turn radius
116.4	MVP-ATWS-207	95 x 129	10,873	0.3	Forest	Nicholas	West Virginia	MVP-NI-148	Tractor trailer turn radius
116.5	MVP-ATWS-1051	Odd-shaped	1,006	0.0	Field	Nicholas	West Virginia	MVP-NI-148	Tractor trailer turn radius
116.6	MVP-ATWS-208	123 x 221	26,992	0.6	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
116.9	MVP-ATWS-209	Odd-shaped	75,484	1.7	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
116.9	MVP-ATWS-210	199 x 239	47,603	1.1	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
116.9	MVP-ATWS-210A	217 x 267	57,541	1.3	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.1	MVP-ATWS-211	139 x 157	23,001	0.5	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.1	MVP-ATWS-211A	Odd-shaped	8,732	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.2	MVP-ATWS-212	140 x 154	22,054	0.5	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
117.2	MVP-ATWS-212A	64 x 167	10,719	0.3	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.3	MVP-ATWS-588	Odd-shaped	4,900	0.1	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.3	MVP-ATWS-590	Odd-shaped	4,585	0.1	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.3	MVP-ATWS-591	Odd-shaped	10,746	0.3	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
117.9	MVP-ATWS-214	Odd-shaped	25,145	0.6	Forest	Nicholas	West Virginia	MVP-NI-149	Tractor trailer turn radius
117.9	MVP-ATWS-996	Odd-shaped	8,242	0.2	Forest	Nicholas	West Virginia	MVP-NI-149	Tractor trailer turn radius
117.9	MVP-ATWS-997	Odd-shaped	5,103	0.1	Forest	Nicholas	West Virginia	MVP-NI-149	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
118.1	MVP-ATWS-215	Odd-shaped	1,580	0.0	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
118.2	MVP-ATWS-216	59 x 302	36,288	0.8	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
118.2	MVP-ATWS-216A	100 x 383	15,646	0.4	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
118.6	MVP-ATWS-217	Odd-shaped	140,674	3.2	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.
118.6	MVP-ATWS-217A	Odd-shaped	256,914	5.9	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
118.7	MVP-ATWS-218	Odd-shaped	27,163	0.6	Forest	Nicholas	West Virginia	MVP-NI-151	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
118.7	MVP-ATWS-218A	Odd-shaped	39,330	0.9	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
118.7	MVP-ATWS-998	Odd-shaped	4,609	0.1	Forest	Nicholas	West Virginia	MVP-NI-151	Tractor trailer turn radius
119.0	MVP-ATWS-219	Odd-shaped	91,801	2.1	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
119.1	MVP-ATWS-220	Odd-shaped	76,836	1.8	Forest	Nicholas	West Virginia	MVP-NI-152	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
119.1	MVP-ATWS-221	Odd-shaped	3,816	0.1	Field	Nicholas	West Virginia	MVP-NI-152	Tractor trailer turn radius
119.1	MVP-ATWS-221A	Odd-shaped	10,439	0.2	Field	Nicholas	West Virginia	MVP-NI-152	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
119.2	MVP-ATWS-220A	Odd-shaped	24,320	0.6	Forest	Nicholas	West Virginia	MVP-NI-152	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
119.4	MVP-ATWS-1000	Odd-shaped	5,871	0.1	Field	Nicholas	West Virginia	MVP-NI-153	Tractor trailer turn radius
119.4	MVP-ATWS-1001	Odd-shaped	5,297	0.1	Field	Nicholas	West Virginia	MVP-NI-153	Tractor trailer turn radius
119.4	MVP-ATWS-222	62 x 244	12,812	0.3	Field	Nicholas	West Virginia	MVP-NI-153	Tractor trailer turn radius
119.8	MVP-ATWS-223A	149 X 596	88,319	2.0	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
119.9	MVP-ATWS-1002	Odd-shaped	40,851	0.9	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1004	Odd-shaped	16,141	0.4	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1005	Odd-shaped	6,919	0.2	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1006	Odd-shaped	5,889	0.1	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1007	Odd-shaped	2,926	0.1	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1345	Odd-shaped	620	0.0	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
119.9	MVP-ATWS-1358	Odd-shaped	73,501	1.7	Field	Nicholas	West Virginia	MVP-NI-153	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
119.9	MVP-ATWS-223	Odd-shaped	106,503	2.4	Field	Nicholas	West Virginia	MVP-NI-153	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
120.0	MVP-ATWS-1003	Odd-shaped	4,433	0.1	Forest	Nicholas	West Virginia	MVP-NI-154 -154.1	Tractor trailer turn radius
120.0	MVP-ATWS-1359	Odd-shaped	61,512	1.4	Forest	Nicholas	West Virginia	MVP-MLV-AR-14	Tractor trailer turn radius
120.3	MVP-ATWS-224	63 X 107	6,986	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
120.7	MVP-ATWS-225	Odd-shaped	12,788	0.3	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
122.1	MVP-ATWS-598	Odd-shaped	21,834	0.5	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
122.1	MVP-ATWS-599	Odd-shaped	77,892	1.8	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
122.1	MVP-ATWS-600	Odd-shaped	31,911	0.7	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
122.7	MVP-ATWS-226	Odd-shaped	1,518	0.0	Forest	Nicholas	West Virginia	MVP-NI-155A	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
122.7	MVP-ATWS-226A	Odd-shaped	30,232	0.7	Forest	Nicholas	West Virginia	MVP-NI-155	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
122.8	MVP-ATWS-1012	Odd-shaped	4,364	0.1	Field	Nicholas	West Virginia	MVP-NI-155	Tractor trailer turn radius
122.8	MVP-ATWS-1013	Odd-shaped	3,787	0.1	Field	Nicholas	West Virginia	MVP-NI-155	Tractor trailer turn radius
122.8	MVP-ATWS-227	Odd-shaped	28,511	0.7	Field	Nicholas	West Virginia	MVP-NI-155	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
122.8	MVP-ATWS-227A	Odd-shaped	10,115	0.2	Field	Nicholas	West Virginia	MVP-NI-155	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
123.0	MVP-ATWS-1008	Odd-shaped	10,318	0.2	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.0	MVP-ATWS-1009	Odd-shaped	5,503	0.1	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.0	MVP-ATWS-1010	Odd-shaped	45,870	1.1	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.0	MVP-ATWS-1011	Odd-shaped	39,510	0.9	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.0	MVP-ATWS-1014	Odd-shaped	2,994	0.1	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.0	MVP-ATWS-1015	Odd-shaped	3,705	0.1	Forest	Nicholas	West Virginia	MVP-NI-156	Tractor trailer turn radius
123.7	MVP-ATWS-1045	Odd-shaped	4,126	0.1	Field	Nicholas	West Virginia	MVP-NI-157	Tractor trailer turn radius
123.7	MVP-ATWS-1053	Odd-shaped	7,298	0.2	Field	Nicholas	West Virginia	MVP-NI-157	Tractor trailer turn radius
124.3	MVP-ATWS-1016	Odd-shaped	3,102	0.1	Forest	Nicholas	West Virginia	MVP-NI-158	Tractor trailer turn radius
124.3	MVP-ATWS-1017	Odd-shaped	3,624	0.1	Forest	Nicholas	West Virginia	MVP-NI-158	Tractor trailer turn radius
124.3	MVP-ATWS-592	284 X 578	163,962	3.8	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
124.6	MVP-ATWS-229	70 X 100	6,978	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
124.6	MVP-ATWS-230	Odd-shaped	10,454	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
124.7	MVP-ATWS-231	94 X 138	12,824	0.3	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
124.7	MVP-ATWS-231A	Odd-shaped	46,914	1.1	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
124.7	MVP-ATWS-232	81 X 101	7,416	0.2	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
124.7	MVP-ATWS-232A	Odd-shaped	16,654	0.4	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
125.0	MVP-ATWS-1018	Odd-shaped	4,118	0.1	Field	Nicholas	West Virginia	MVP-NI-158.1	Tractor trailer turn radius
125.0	MVP-ATWS-1019	Odd-shaped	2,911	0.1	Field	Nicholas	West Virginia	MVP-NI-158.1	Tractor trailer turn radius
125.0	MVP-ATWS-699	Odd-shaped	59,702	1.4	Field	Nicholas	West Virginia	MVP-NI-158.1	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
125.0	MVP-ATWS-699A	Odd-shaped	9,169	0.2	Field	Nicholas	West Virginia	MVP-NI-158.1	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
125.1	MVP-ATWS-233	83 X 118	9,048	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.1	MVP-ATWS-233A	50 X 157	7,854	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.2	MVP-ATWS-234	65 X 123	7,735	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
125.2	MVP-ATWS-234A	50 X 147	7,347	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.5	MVP-ATWS-235	Odd-shaped	17,106	0.4	Forest	Nicholas	West Virginia	MVP-NI-159	Tractor trailer turn radius
125.5	MVP-ATWS-235A	Odd-shaped	57,273	1.3	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.7	MVP-ATWS-236	Odd-shaped	24,813	0.6	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.7	MVP-ATWS-236A	137 X 237	30,318	0.7	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
125.8	MVP-ATWS-237	Odd-shaped	28,621	0.7	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
125.8	MVP-ATWS-237A	34 X 240	7,669	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
126.3	MVP-ATWS-238	Odd-shaped	10,955	0.3	Field	Nicholas	West Virginia	MVP-NI-160	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
126.3	MVP-ATWS-239	Odd-shaped	40,985	0.9	Forest	Nicholas	West Virginia	MVP-NI-160	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
126.3	MVP-ATWS-239A	Odd-shaped	16,412	0.4	Forest	Nicholas	West Virginia	MVP-NI-160	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
126.5	MVP-ATWS-240	Odd-shaped	8,350	0.2	Field	Nicholas	West Virginia	MVP-NI-160.01	Tractor trailer turn radius
126.5	MVP-ATWS-240B	114 X 170	22,587	0.5	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
126.6	MVP-ATWS-241	121 X 124	15,266	0.4	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
126.6	MVP-ATWS-241A	123 X 157	18,832	0.4	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
126.7	MVP-ATWS-242	47 x 143	6,351	0.2	Field	Nicholas	West Virginia	MVP-NI-161	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
127.3	MVP-ATWS-243	Odd-shaped	69,036	1.6	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
127.9	MVP-ATWS-593	190 X 403	87,372	2.0	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
127.9	MVP-ATWS-593A	334 X 408	134,748	3.1	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
128.0	MVP-ATWS-594	Odd-shaped	197,194	4.5	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
128.1	MVP-ATWS-244	Odd-shaped	2,971	0.1	Forest	Nicholas	West Virginia	MVP-NI-163	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
128.1	MVP-ATWS-244A	Odd-shaped	28,529	0.7	Forest	Nicholas	West Virginia	MVP-NI-163	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
128.2	MVP-ATWS-244B	Odd-shaped	21,379	0.5	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
129.3	MVP-ATWS-595	Odd-shaped	4,406	0.1	Field	Nicholas	West Virginia	MVP-NI-164	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
129.4	MVP-ATWS-596	Odd-shaped	29,104	0.7	Forest	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
129.5	MVP-ATWS-246	98 X 193	18,822	0.4	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
129.7	MVP-ATWS-707	Odd-shaped	33,727	0.8	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
130.1	MVP-ATWS-247	115 X 175	20,268	0.5	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
130.1	MVP-ATWS-247B	99 X 193	18,831	0.4	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
130.1	MVP-AWTS-1020	Odd-shaped	3,099	0.1	Field	Nicholas	West Virginia	MVP-NI-166	Tractor trailer turn radius
130.1	MVP-AWTS-1021	Odd-shaped	4,781	0.1	Field	Nicholas	West Virginia	MVP-NI-166	Tractor trailer turn radius
130.6	MVP-ATWS-1022	Odd-shaped	6,491	0.2	Forest	Nicholas	West Virginia	MVP-NI-167	Tractor trailer turn radius
130.6	MVP-ATWS-248	121 X 246	29,826	0.7	Forest	Nicholas	West Virginia	MVP-NI-167	Tractor trailer turn radius
131.0	MVP-ATWS-1023	Odd-shaped	4,182	0.1	Forest	Nicholas	West Virginia	MVP-NI-167 -168	Tractor trailer turn radius
131.0	MVP-ATWS-1024	Odd-shaped	3,523	0.1	Forest	Nicholas	West Virginia	MVP-NI-167 -168	Tractor trailer turn radius
131.0	MVP-ATWS-1025	Odd-shaped	1,334	0.0	Forest	Nicholas	West Virginia	MVP-NI-168	Tractor trailer turn radius
131.0	MVP-ATWS-1026	Odd-shaped	9,636	0.2	Forest	Nicholas	West Virginia	MVP-NI-168	Tractor trailer turn radius
131.1	MVP-ATWS-249	Odd-shaped	14,208	0.3	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
131.1	MVP-ATWS-249A	Odd-shaped	11,933	0.3	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
131.3	MVP-ATWS-250	34 X 263	8,693	0.2	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
131.3	MVP-ATWS-250A	Odd-shaped	33,649	0.8	Forest	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
131.6	MVP-ATWS-251	203 X 206	40,735	0.9	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
131.7	MVP-ATWS-1027	Odd-shaped	5,538	0.1	Forest	Nicholas	West Virginia	MVP-NI-170	Tractor trailer turn radius
131.7	MVP-ATWS-1028	Odd-shaped	6,747	0.2	Forest	Nicholas	West Virginia	MVP-NI-170	Tractor trailer turn radius
131.7	MVP-ATWS-1029	Odd-shaped	5,209	0.1	Forest	Nicholas	West Virginia	MVP-NI-170	Tractor trailer turn radius
131.7	MVP-ATWS-1030	Odd-shaped	2,334	0.1	Forest	Nicholas	West Virginia	MVP-NI-170	Tractor trailer turn radius
132.0	MVP-ATWS-252	Odd-shaped	25,557	0.6	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
132.1	MVP-ATWS-253	147 X 253	31,279	0.7	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
132.5	MVP-ATWS-254	97 X 136	12,404	0.3	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
132.6	MVP-ATWS-255A	Odd-shaped	5,244	0.1	Field	Nicholas	West Virginia	MVP-NI-171	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
132.6	MVP-ATWS-255B	Odd-shaped	14,741	0.3	Field	Nicholas	West Virginia	MVP-NI-171	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
132.6	MVP-ATWS-255C	Odd-shaped	295,264	6.8	Field	Nicholas	West Virginia	MVP-NI-171	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
132.7	MVP-ATWS-255	Odd-shaped	49,656	1.1	Field	Nicholas	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
133.1	MVP-ATWS-1339	Odd-shaped	40,640	0.9	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
133.1	MVP-ATWS-257	Odd-shaped	3,215	0.1	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
133.1	MVP-ATWS-257A	Odd-shaped	4,618	0.1	Field	Nicholas	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
136.0	MVP-ATWS-672	Odd-shaped	14,188	0.3	Forest	Greenbrier	West Virginia	MVP-GB-174.01	Tractor trailer turn radius
136.4	MVP-ATWS-258	Odd-shaped	51,759	1.2	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
136.4	MVP-ATWS-258A	Odd-shaped	6,690	0.2	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
136.8	MVP-ATWS-259	Odd-shaped	29,835	0.7	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
136.8	MVP-ATWS-259A	Odd-shaped	327	0.0	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
137.2	MVP-ATWS-260	Odd-shaped	14,335	0.3	Forest	Greenbrier	West Virginia	MVP-GB-176	Tractor trailer turn radius
137.2	MVP-ATWS-260A	Odd-shaped	7,646	0.2	Forest	Greenbrier	West Virginia	MVP-GB-176	Tractor trailer turn radius
137.4	MVP-ATWS-1031	Odd-shaped	5,165	0.1	Forest	Greenbrier	West Virginia	MVP-GB-176	Tractor trailer turn radius
137.4	MVP-ATWS-1032	Odd-shaped	6,780	0.2	Forest	Greenbrier	West Virginia	MVP-GB-176	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
137.5	MVP-ATWS-261	Odd-shaped	19,828	0.5	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
138.3	MVP-ATWS-1180	Odd-shaped	2,808	0.1	Forest	Greenbrier	West Virginia	MVP-GB-177	Tractor trailer turn radius
138.3	MVP-ATWS-1181	Odd-shaped	3,899	0.1	Forest	Greenbrier	West Virginia	MVP-GB-177	Tractor trailer turn radius
138.3	MVP-ATWS-1182	Odd-shaped	5,697	0.1	Forest	Greenbrier	West Virginia	MVP-GB-177	Tractor trailer turn radius
138.3	MVP-ATWS-1183	Odd-shaped	8,693	0.2	Forest	Greenbrier	West Virginia	MVP-GB-177	Tractor trailer turn radius
138.3	MVP-ATWS-1184	Odd-shaped	12,554	0.3	Forest	Greenbrier	West Virginia	MVP-GB-178	Tractor trailer turn radius
138.3	MVP-ATWS-1185	Odd-shaped	3,780	0.1	Forest	Greenbrier	West Virginia	MVP-GB-178	Tractor trailer turn radius
138.3	MVP-ATWS-1186	Odd-shaped	8,076	0.2	Forest	Greenbrier	West Virginia	MVP-GB-178	Tractor trailer turn radius
138.3	MVP-ATWS-264	Odd-shaped	17,762	0.4	Forest	Greenbrier	West Virginia	MVP-GB-177	Tractor trailer turn radius
139.5	MVP-ATWS-1187	Odd-shaped	10,056	0.2	Forest	Greenbrier	West Virginia	MVP-GB-178	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
139.5	MVP-ATWS-1188	Odd-shaped	810	0.0	Forest	Greenbrier	West Virginia	MVP-GB-178 -179	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
139.5	MVP-ATWS-1189	Odd-shaped	11,002	0.3	Forest	Greenbrier	West Virginia	MVP-GB-178 -179	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
139.5	MVP-ATWS-267	126 X 290	36,321	0.8	Field	Greenbrier	West Virginia	MVP-GB-178	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
139.9	MVP-ATWS-268	Odd-shaped	29,445	0.7	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
140.1	MVP-ATWS-269	Odd-shaped	12,219	0.3	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
140.1	MVP-ATWS-601	Odd-shaped	7,754	0.2	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
140.4	MVP-ATWS-270	111 X 188	20,698	0.5	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
140.5	MVP-ATWS-1354	Odd-shaped	5,372	0.1	Forest	Greenbrier	West Virginia	MVP-MLV-AR-16	Tractor trailer turn radius
142.8	MVP-ATWS-1190	Odd-shaped	14,158	0.3	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
142.9	MVP-ATWS-1191	Odd-shaped	10,013	0.2	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.0	MVP-ATWS-642	Odd-shaped	31,153	0.7	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
143.0	MVP-ATWS-674	Odd-shaped	10,289	0.2	Field	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.3	MVP-ATWS-1192	Odd-shaped	1,777	0.0	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.3	MVP-ATWS-1193	Odd-shaped	11,618	0.3	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.3	MVP-ATWS-1194	Odd-shaped	2,968	0.1	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
143.3	MVP-ATWS-1195	Odd-shaped	3,595	0.1	Forest	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.3	MVP-ATWS-1311	Odd-shaped	7,660	0.2	Field	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.3	MVP-ATWS-643	Odd-shaped	17,409	0.4	Field	Greenbrier	West Virginia	MVP-GB-182	Tractor trailer turn radius
143.5	MVP-ATWS-271	Odd-shaped	5,383	0.1	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
143.5	MVP-ATWS-271A	96 X 166	15,085	0.4	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
143.5	MVP-ATWS-272	94 X 124	11,736	0.3	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
143.5	MVP-ATWS-272A	59 X 142	8,285	0.2	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
143.7	MVP-ATWS-273A	Odd-shaped	78,394	1.8	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.
143.8	MVP-ATWS-274	Odd-shaped	27,250	0.6	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
143.8	MVP-ATWS-274A	105 X 130	13,699	0.3	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
145.7	MVP-ATWS-603	91 X 171	15,604	0.4	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
145.7	MVP-ATWS-603A	Odd-shaped	7,577	0.2	Forest	Greenbrier	West Virginia	Mainline	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
145.8	MVP-ATWS-275	Odd-shaped	86,330	2.0	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.3	MVP-ATWS-277	Odd-shaped	17,347	0.4	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.7	MVP-ATWS-1350	Odd-shaped	20,066	0.5	Forest	Greenbrier	West Virginia	MVP-GB-185	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.7	MVP-ATWS-278A	Odd-shaped	45,552	1.1	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.8	MVP-ATWS-280	94 X 135	12,601	0.3	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
146.8	MVP-ATWS-280A	Odd-shaped	4,691	0.1	Forest	Greenbrier	West Virginia	MVP-GB-186	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.8	MVP-ATWS-280B	Odd-shaped	3,660	0.1	Field	Greenbrier	West Virginia	MVP-GB-186	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
146.8	MVP-ATWS-673	Odd-shaped	3,661	0.1	ROAD	Greenbrier	West Virginia	MVP-GB-186	Tractor trailer turn radius
147.3	MVP-ATWS-281A	128 X 402	49,791	1.1	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
147.8	MVP-ATWS-1336	Odd-shaped	10,018	0.2	Field	Greenbrier	West Virginia	MVP-GB-187.01 &.02	Tractor trailer turn radius
147.8	MVP-ATWS-1337	Odd-shaped	10,348	0.2	Field	Greenbrier	West Virginia	MVP-GB-187.01 &.03	Tractor trailer turn radius
147.8	MVP-ATWS-282A	Odd-shaped	35,935	0.8	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
147.9	MVP-ATWS-283	Odd-shaped	4,336	0.1	Field	Greenbrier	West Virginia	MVP-GB-187.03	Tractor trailer turn radius
147.9	MVP-ATWS-283A	Odd-shaped	3,573	0.1	Field	Greenbrier	West Virginia	MVP-GB-187.03	Tractor trailer turn radius
147.9	MVP-ATWS-283B	Odd-shaped	20,837	0.5	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
148.5	MVP-ATWS-1196	Odd-shaped	38,084	0.9	Field	Greenbrier	West Virginia	MVP-GB-187 -188	Tractor trailer turn radius
149.0	MVP-ATWS-680	Odd-shaped	16,500	0.4	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
149.1	MVP-ATWS-1033	Odd-shaped	9,506	0.2	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
149.1	MVP-ATWS-1034	167 X 190	14,446	0.3	Forest	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
149.3	MVP-ATWS-285	Odd-shaped	31,648	0.7	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
149.6	MVP-ATWS-286	Odd-shaped	16,178	0.4	Forest	Greenbrier	West Virginia	MVP-GB-189	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
149.6	MVP-ATWS-286A	Odd-shaped	1,318	0.0	Forest	Greenbrier	West Virginia	MVP-GB-189	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
150.3	MVP-ATWS-1197	Odd-shaped	8,476	0.2	Forest	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-1198	Odd-shaped	3,785	0.1	Forest	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-1199	Odd-shaped	9,065	0.2	Forest	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-1200	Odd-shaped	3,342	0.1	Field	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-1201	Odd-shaped	6,009	0.1	Field	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-682	Odd-shaped	5,146	0.1	Forest	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.3	MVP-ATWS-684	Odd-shaped	16,079	0.4	Field	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
150.3	MVP-ATWS-684A	Odd-shaped	30,780	0.7	Field	Greenbrier	West Virginia	MVP-GB-190	Tractor trailer turn radius
150.8	MVP-ATWS-681	Odd-shaped	49,141	1.1	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
151.1	MVP-ATWS-287	152 X 251	37,210	0.9	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
151.1	MVP-ATWS-287A	35 X 273	9,591	0.2	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
153.1	MVP-ATWS-604	202 X 379	78,496	1.8	Field	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
154.1	MVP-ATWS-1054	50 x 50	2,038	0.1	Field	Fayette	West Virginia	MVP-GB-190.01	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
154.5	MVP-ATWS-291A	Odd-shaped	21,411	0.5	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
154.5	MVP-ATWS-605	Odd-shaped	311,214	7.1	Field	Greenbrier	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
155.2	MVP-ATWS-1202	Odd-shaped	2,822	0.1	Field	Greenbrier	West Virginia	MVP-GB-193	Tractor trailer turn radius
155.2	MVP-ATWS-1203	Odd-shaped	3,429	0.1	Field	Greenbrier	West Virginia	MVP-GB-193	Tractor trailer turn radius
156.1	MVP-ATWS-1204	Odd-shaped	4,972	0.1	Field	Greenbrier	West Virginia	MVP-GB-194	Tractor trailer turn radius
156.2	MVP-ATWS-606	Odd-shaped	27,419	0.6	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
156.2	MVP-ATWS-606A	77 X 319	24,491	0.6	Forest	Greenbrier	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
156.6	MVP-ATWS-1205	Odd-shaped	3,364	0.1	Forest	Greenbrier	West Virginia	MVP-SU-195 -196	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
156.6	MVP-ATWS-292	68 x 117	7,002	0.2	Forest	Greenbrier	West Virginia	MVP-GB-196	Tractor trailer turn radius
156.6	MVP-ATWS-292A	40 x 110	3,434	0.1	Forest	Greenbrier	West Virginia	MVP-GB-196	Tractor trailer turn radius
158.4	MVP-ATWS-676	68 x 245	13,791	0.3	Forest	Summers	West Virginia	MVP-SU-197	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
158.9	MVP-ATWS-293	Odd-shaped	50,061	1.2	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
158.9	MVP-ATWS-293A	Odd-shaped	9,531	0.2	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
159.1	MVP-ATWS-294	83 X 193	15,969	0.4	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
159.1	MVP-ATWS-294A	139 X 206	26,247	0.6	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
160.0	MVP-ATWS-296	Odd-shaped	70,446	1.6	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
160.2	MVP-ATWS-297	Odd-shaped	15,986	0.4	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
160.4	MVP-ATWS-298	Odd-shaped	23,963	0.6	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
160.8	MVP-ATWS-1206	Odd-shaped	12,616	0.3	Forest	Summers	West Virginia	MVP-SU-198	Tractor trailer turn radius
160.8	MVP-ATWS-1207	Odd-shaped	4,645	0.1	Forest	Summers	West Virginia	MVP-SU-198	Tractor trailer turn radius
160.8	MVP-ATWS-1208	Odd-shaped	8,295	0.2	Forest	Summers	West Virginia	MVP-SU-198	Tractor trailer turn radius
160.8	MVP-ATWS-1209	Odd-shaped	8,812	0.2	Forest	Summers	West Virginia	MVP-SU-198	Tractor trailer turn radius
160.8	MVP-ATWS-1210	Odd-shaped	7,784	0.2	Forest	Summers	West Virginia	MVP-SU-198	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
160.8	MVP-ATWS-712	50 X 229	11,557	0.3	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
161.3	MVP-ATWS-1211	Odd-shaped	12,841	0.3	Forest	Summers	West Virginia	MVP-SU-199	Tractor trailer turn radius
161.3	MVP-ATWS-1212	Odd-shaped	3,865	0.1	Forest	Summers	West Virginia	MVP-SU-199	Tractor trailer turn radius
161.3	MVP-ATWS-713	Odd-shaped	96,592	2.2	Forest	Summers	West Virginia	MVP-SU-199	Tractor trailer turn radius
161.8	MVP-ATWS-299	Odd-shaped	86,030	2.0	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
162.3	MVP-ATWS-300	Odd-shaped	40,829	0.9	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
162.5	MVP-ATWS-301	Odd-shaped	3,624	0.1	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
163.5	MVP-ATWS-302	115 x 366	42,379	1.0	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
165.0	MVP-ATWS-1175	Odd-shaped	12,841	0.3	Forest	Summers	West Virginia	MVP-SU-201	Tractor trailer turn radius
165.0	MVP-ATWS-1176	Odd-shaped	19,668	0.5	Forest	Summers	West Virginia	MVP-SU-201	Tractor trailer turn radius
165.0	MVP-ATWS-1177	Odd-shaped	5,134	0.1	Forest	Summers	West Virginia	MVP-SU-201	Tractor trailer turn radius
165.0	MVP-ATWS-1178	Odd-shaped	4,260	0.1	Forest	Summers	West Virginia	MVP-SU-201	Tractor trailer turn radius
165.0	MVP-ATWS-1179	Odd-shaped	8,495	0.2	Forest	Summers	West Virginia	MVP-SU-201	Tractor trailer turn radius
165.0	MVP-ATWS-711	Odd-shaped	155,798	3.6	Forest	Summers	West Virginia	MVP-SU-201	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
165.6	MVP-ATWS-1172	Odd-shaped	9,938	0.2	Field	Summers	West Virginia	MVP-SU-202	Tractor trailer turn radius
165.6	MVP-ATWS-1173	Odd-shaped	7,462	0.2	Forest	Summers	West Virginia	MVP-SU-202	Tractor trailer turn radius
165.6	MVP-ATWS-1174	Odd-shaped	7,914	0.2	Forest	Summers	West Virginia	MVP-SU-202	Tractor trailer turn radius
165.6	MVP-ATWS-304A	Odd-shaped	57,464	1.3	Field	Summers	West Virginia	MVP-SU-202	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
166.5	MVP-ATWS-306	Odd-shaped	17,977	0.4	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
166.5	MVP-ATWS-307	91 X 277	25,349	0.6	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
166.7	MVP-ATWS-308	195 X 416	80,506	1.9	Forest	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
166.7	MVP-ATWS-309	Odd-shaped	32,701	0.8	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
166.7	MVP-ATWS-554	Odd-shaped	7,213	0.2	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
169.3	MVP-ATWS-551	Odd-shaped	44,032	1.0	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
169.3	MVP-ATWS-552	Odd-shaped	16,302	0.4	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
169.8	MVP-ATWS-310	Odd-shaped	327,790	7.5	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
169.8	MVP-ATWS-310A	232 x 473	92,633	2.1	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
169.9	MVP-ATWS-555	53 X 127	7,243	0.2	Forest	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
170.0	MVP-ATWS-556	Odd-shaped	5,934	0.1	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
170.3	MVP-ATWS-557	Odd-shaped	32,981	0.8	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, equipment cleaning area, and additional vehicle/equipment parking if required.
170.3	MVP-ATWS-557A	Odd-shaped	17,723	0.4	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
170.5	MVP-ATWS-558	Odd-shaped	137,921	3.2	Forest	Summers	West Virginia	MVP-SU-205	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
170.5	MVP-ATWS-558A	Odd-shaped	19,047	0.4	Field	Summers	West Virginia	MVP-SU-205	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
170.6	MVP-ATWS-559	Odd-shaped	201,481	4.6	Field	Summers	West Virginia	MVP-SU-207	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.
170.6	MVP-ATWS-559A	Odd-shaped	324,539	7.5	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.
170.9	MVP-ATWS-559B	Odd-shaped	3,900	0.1	Field	Summers	West Virginia	MVP-SU-207	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
171.0	MVP-ATWS-312	175 x 547	87,773	2.0	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
171.0	MVP-ATWS-312A	Odd-shaped	275,925	6.3	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
171.1	MVP-ATWS-313	Odd-shaped	90,612	2.1	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
171.2	MVP-ATWS-314A	157 X 216	33,685	0.8	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
171.3	MVP-ATWS-1169	Odd-shaped	11,084	0.3	Field	Summers	West Virginia	MVP-SU-208	Tractor trailer turn radius
171.3	MVP-ATWS-1170	Odd-shaped	3,992	0.1	Field	Summers	West Virginia	MVP-SU-208	Tractor trailer turn radius
171.3	MVP-ATWS-1171	Odd-shaped	3,382	0.1	Field	Summers	West Virginia	MVP-SU-208	Tractor trailer turn radius
171.8	MVP-ATWS-315A	Odd-shaped	7,428	0.2	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, parking
171.9	MVP-ATWS-316	Odd-shaped	47,593	1.1	Forest	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
172.4	MVP-ATWS-317	254 X 477	121,603	2.8	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
172.8	MVP-ATWS-318	165 x 200	33,084	0.8	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
172.8	MVP-ATWS-318A	101 x 296	29,559	0.7	Field	Summers	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
173.2	MVP-ATWS-319	231 x 399	89,701	2.1	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
173.2	MVP-ATWS-319A	52 x 304	15,253	0.4	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
173.3	MVP-ATWS-1070	Odd-shaped	11,376	0.3	Field	Summers	West Virginia	MVP-MO-210	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
173.3	MVP-ATWS-1071	Odd-shaped	15,837	0.4	Forest	Summers	West Virginia	MVP-MO-210	Tractor trailer turn radius
173.3	MVP-ATWS-320	111 x 228	24,629	0.6	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
173.3	MVP-ATWS-320A	56 x 248	13,598	0.3	Field	Summers	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
173.7	MVP-ATWS-1072	Odd-shaped	7,312	0.2	Forest	Monroe	West Virginia	MVP-MO-210	Tractor trailer turn radius
173.7	MVP-ATWS-1073	Odd-shaped	5,780	0.1	Field	Monroe	West Virginia	MVP-MO-210	Tractor trailer turn radius
173.8	MVP-ATWS-321	50 x 170	8,500	0.2	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.0	MVP-ATWS-322	Odd-shaped	18,877	0.4	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
175.2	MVP-ATWS-1074	Odd-shaped	2,751	0.1	Field	Monroe	West Virginia	MVP-MO-211	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.2	MVP-ATWS-ALT- 001	Odd-shaped	202,561	4.7	Field	Monroe	West Virginia	MVP-MO-211	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.5	MVP-ATWS-323	75 x 256	19,148	0.4	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.5	MVP-ATWS-323A	62 x 267	15,745	0.4	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.9	MVP-ATWS-1080	100 x 100	10,000	0.2	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
175.9	MVP-ATWS-1081	Odd-shaped	7,659	0.2	Forest	Monroe	West Virginia	MVP-MO-212	Tractor trailer turn radius
175.9	MVP-ATWS-1082	Odd-shaped	722	0.0	Forest	Monroe	West Virginia	MVP-MO-212	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
175.9	MVP-ATWS-1083	Odd-shaped	6,893	0.2	Forest	Monroe	West Virginia	MVP-MO-212	Tractor trailer turn radius
175.9	MVP-ATWS-1084	Odd-shaped	8,024	0.2	Forest	Monroe	West Virginia	MVP-MO-212	Tractor trailer turn radius
175.9	MVP-ATWS-324	Odd-shaped	9,399	0.2	Forest	Monroe	West Virginia	MVP-MO-212	Tractor trailer turn radius
176.1	MVP-ATWS-325	100 x 372	41,149	0.9	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
176.2	MVP-ATWS-1079A	Odd-shaped	1,126	0.0	Field	Monroe	West Virginia	MVP-MO-213	Tractor trailer turn radius
176.2	MVP-ATWS-1075	Odd-shaped	5,721	0.1	Field	Monroe	West Virginia	MVP-MO-213	Tractor trailer turn radius
176.2	MVP-ATWS-1078	Odd-shaped	4,738	0.1	Field	Monroe	West Virginia	MVP-MO-213	Tractor trailer turn radius
176.2	MVP-ATWS-1079	Odd-shaped	4,606	0.1	Field	Monroe	West Virginia	MVP-MO-213	Tractor trailer turn radius
176.2	MVP-ATWS-325A	76 x 460	34,678	0.8	Field	Monroe	West Virginia	MVP-MO-213	Tractor trailer turn radius
176.4	MVP-ATWS-326	117 x 199	23,277	0.5	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
176.5	MVP-ATWS-1087	Odd-shaped	10,477	0.2	Forest	Monroe	West Virginia	MVP-MO-214	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
176.5	MVP-ATWS-327	102 x 150	15,103	0.4	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
176.5	MVP-ATWS-327A	74 x 130	11,122	0.3	Forest	Monroe	West Virginia	MVP-MO-214	Tractor trailer turn radius
176.6	MVP-ATWS-1088	50 x 50	2,441	0.1	Forest	Monroe	West Virginia	MVP-MO-214	Tractor trailer turn radius
176.9	MVP-ATWS-1089	Odd-shaped	11,085	0.3	Forest	Monroe	West Virginia	MVP-MO-215	Tractor trailer turn radius
176.9	MVP-ATWS-1090	Odd-shaped	5,246	0.1	Forest	Monroe	West Virginia	MVP-MO-215	Tractor trailer turn radius
176.9	MVP-ATWS-1091	Odd-shaped	9,560	0.2	Forest	Monroe	West Virginia	MVP-MO-215	Tractor trailer turn radius
177.3	MVP-ATWS-328	Odd-shaped	53,724	1.2	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
177.3	MVP-ATWS-328A	176 x 752	151,322	3.5	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
178.8	MVP-ATWS-700	60 x 131	7,852	0.2	Forest	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
178.9	MVP-ATWS-330	76 x 94	7,005	0.2	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
181.7	MVP-ATWS-331	Odd-shaped	68,940	1.6	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
181.9	MVP-ATWS-332	95 x 215	20,170	0.5	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required, hydrotest equipment and water storage.
182.1	MVP-ATWS-1092	Odd-shaped	7,023	0.2	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1093	Odd-shaped	7,879	0.2	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1094	Odd-shaped	1,524	0.0	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
182.1	MVP-ATWS-1095	Odd-shaped	5,469	0.1	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1096	Odd-shaped	3,550	0.1	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1097	Odd-shaped	10,055	0.2	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1098	93 x 118	10,322	0.2	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
182.1	MVP-ATWS-1099	101 x 112	10,946	0.3	Forest	Monroe	West Virginia	MVP-MO-219	Tractor trailer turn radius
183.2	MVP-ATWS-1315	Odd-shaped	62,219	1.4	Field	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
183.3	MVP-ATWS-1101	Odd-shaped	8,136	0.2	Field	Monroe	West Virginia	MVP-MO-220	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
183.7	MVP-ATWS-334	88 x 113	10,229	0.2	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
183.8	MVP-ATWS-1100	Odd-shaped	20,499	0.5	Field	Monroe	West Virginia	MVP-MO-220	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
184.3	MVP-ATWS-1102	Odd-shaped	4,053	0.1	Forest	Monroe	West Virginia	MVP-MO-221	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
184.3	MVP-ATWS-1103	Odd-shaped	5,893	0.1	Forest	Monroe	West Virginia	MVP-MO-221	Tractor trailer turn radius
184.3	MVP-ATWS-1104	Odd-shaped	5,061	0.1	Forest	Monroe	West Virginia	MVP-MO-221	Tractor trailer turn radius
184.4	MVP-ATWS-336	101 x 243	23,322	0.5	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
184.6	MVP-ATWS-1105	Odd-shaped	5,050	0.1	Field	Monroe	West Virginia	MVP-MO-222	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
184.6	MVP-ATWS-1106	Odd-shaped	8,255	0.2	Field	Monroe	West Virginia	MVP-MO-222	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
184.6	MVP-ATWS-1108	Odd-shaped	4,251	0.1	Field	Monroe	West Virginia	MVP-MO-222	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
184.6	MVP-ATWS-1109	Odd-shaped	24,660	0.6	Field	Monroe	West Virginia	MVP-MO-222 -223	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
184.8	MVP-ATWS-1109A	Odd-shaped	1,752	0.0	Field	Monroe	West Virginia	MVP-MO-222 -223	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
184.8	MVP-ATWS-1107	Odd-shaped	23,910	0.6	Field	Monroe	West Virginia	MVP-MO-223	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
185.2	MVP-ATWS-337	67 x 109	7,026	0.2	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
185.5	MVP-ATWS-1110	Odd-shaped	43,742	1.0	Field	Monroe	West Virginia	MVP-MO-224	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
185.5	MVP-ATWS-338	Odd-shaped	31,891	0.7	Field	Monroe	West Virginia	MVP-MO-224	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
185.5	MVP-ATWS-338A	Odd-shaped	10,988	0.3	Field	Monroe	West Virginia	MVP-MO-224	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
186.2	MVP-ATWS-1111	Odd-shaped	5,381	0.1	Forest	Monroe	West Virginia	MVP-MO-225	Tractor trailer turn radius
186.2	MVP-ATWS-1112	Odd-shaped	4,416	0.1	Forest	Monroe	West Virginia	MVP-MO-225	Tractor trailer turn radius
186.7	MVP-ATWS-1113	Odd-shaped	10,748	0.3	Field	Monroe	West Virginia	MVP-MO-226	Tractor trailer turn radius
187.4	MVP-ATWS-1114	Odd-shaped	5,255	0.1	Forest	Monroe	West Virginia	MVP-MO-227	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
190.5	MVP-ATWS-647	107 x 295	31,717	0.7	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
190.5	MVP-ATWS-647A	Odd-shaped	14,122	0.3	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
191.0	MVP-ATWS-648	Odd-shaped	6,725	0.2	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
191.0	MVP-ATWS-648A	Odd-shaped	2,290	0.1	Field	Monroe	West Virginia	MVP-MO-230	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
191.0	MVP-ATWS-710	65 x 220	13,929	0.3	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
191.0	MVP-ATWS-710A	38 x 287	11,944	0.3	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
193.2	MVP-ATWS-657	50 x 545	27,236	0.6	Forest	Monroe	West Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
193.5	MVP-ATWS-658	Odd-shaped	22,587	0.5	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
193.5	MVP-ATWS-658A	Odd-shaped	5,197	0.1	Forest	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
193.8	MVP-ATWS-1068	Odd-shaped	3,186	0.1	Field	Monroe	West Virginia	WV-MO-231.01	Tractor trailer turn radius
193.8	MVP-ATWS-1069	Odd-shaped	1,608	0.0	Field	Monroe	West Virginia	WV-MO-231.01	Tractor trailer turn radius and equipment cleaning

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
194.1	MVP-ATWS-1059	171 x 187	31,838	0.7	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
194.2	MVP-ATWS-1060	192 x 193	37,009	0.9	Field	Monroe	West Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
196.9	MVP-ATWS-1115	Odd-shaped	3,936	0.1	Forest	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius
196.9	MVP-ATWS-1116	Odd-shaped	6,155	0.1	Forest	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius
196.9	MVP-ATWS-1117	Odd-shaped	4,133	0.1	Forest	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius
196.9	MVP-ATWS-1118	Odd-shaped	6,714	0.2	Forest	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius
196.9	MVP-ATWS-1119	Odd-shaped	11,361	0.3	Field	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius and equipment cleaning
196.9	MVP-ATWS-1120	Odd-shaped	14,119	0.3	Field	Giles	Virginia	MVP-GI-232	Tractor trailer turn radius
197.5	MVP-ATWS-1121	Odd-shaped	42,256	1.0	Forest	Giles	Virginia	MVP-GI-233	Tractor trailer turn radius
197.5	MVP-ATWS-1122	Odd-shaped	12,094	0.3	Forest	Giles	Virginia	MVP-GI-233	Tractor trailer turn radius
197.5	MVP-ATWS-1123	Odd-shaped	8,947	0.2	Forest	Giles	Virginia	MVP-GI-233	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
197.8	MVP-ATWS-610	Odd-shaped	158,139	3.6	Field	Giles	Virginia	MVP-GI-234	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
197.9	MVP-ATWS-610A	Odd-shaped	15,873	0.4	Field	Giles	Virginia	MVP-GI-234	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
198.2	MVP-ATWS-1124	78 x 180	11,680	0.3	Field	Giles	Virginia	MVP-GI-235	Tractor trailer turn radius
198.2	MVP-ATWS-1125	Odd-shaped	15,584	0.4	Field	Giles	Virginia	MVP-GI-235	Tractor trailer turn radius
198.2	MVP-ATWS-814	61 x 196	10,732	0.3	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
198.3	MVP-ATWS-1126	68 x 122	6,808	0.2	Field	Giles	Virginia	MVP-GI-235 -236	Tractor trailer turn radius
198.3	MVP-ATWS-1127	50 x 105	3,886	0.1	Field	Giles	Virginia	MVP-GI-235	Tractor trailer turn radius
198.3	MVP-ATWS-1128	48 x 145	6,157	0.1	Field	Giles	Virginia	MVP-GI-235 -236	Tractor trailer turn radius
198.3	MVP-ATWS-1129	Odd-shaped	7,823	0.2	Field	Giles	Virginia	MVP-GI-235	Tractor trailer turn radius
198.3	MVP-ATWS-1130	Odd-shaped	10,067	0.2	Field	Giles	Virginia	MVP-GI-236	Tractor trailer turn radius
198.3	MVP-ATWS-815	79 X 187	13,477	0.3	Field	Giles	Virginia	MVP-GI-236	Tractor trailer turn radius
198.8	MVP-ATWS-1131	Odd-shaped	6,858	0.2	Field	Giles	Virginia	MVP-GI-237	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
198.8	MVP-ATWS-1132	Odd-shaped	933	0.0	Field	Giles	Virginia	MVP-GI-237	Tractor trailer turn radius
199.6	MVP-ATWS-339A	Odd-shaped	13,419	0.3	Field	Giles	Virginia	MVP-GI-238	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
199.6	MVP-ATWS-340	75 x 461	33,458	0.8	Field	Giles	Virginia	MVP-GI-238	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
200.5	MVP-ATWS-1133	Odd-shaped	9,196	0.2	Field	Giles	Virginia	MVP-MLV-AR-24	Tractor trailer turn radius
200.5	MVP-ATWS-1134	Odd-shaped	7,857	0.2	Field	Giles	Virginia	MVP-MLV-AR-24	Tractor trailer turn radius
200.5	MVP-ATWS-1135	Odd-shaped	8,377	0.2	Field	Giles	Virginia	MVP-MLV-AR-24	Tractor trailer turn radius
200.5	MVP-ATWS-1136	Odd-shaped	8,677	0.2	Field	Giles	Virginia	MVP-MLV-AR-24	Tractor trailer turn radius
201.0	MVP-ATWS-1335	Odd-shaped	10,304	0.2	Forest	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
201.3	MVP-ATWS-816	77 X 124	8,135	0.2	Field	Giles	Virginia	MVP-GI-241	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
201.9	MVP-ATWS-341	Odd-shaped	33,191	0.8	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
202.6	MVP-ATWS-1056	75 x 228	17,142	0.4	Forest	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
203.3	MVP-ATWS-1334	Odd-shaped	17,951	0.4	Field	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
203.3	MVP-ATWS-469	Odd-shaped	11,074	0.3	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
203.4	MVP-ATWS-464	133 X 290	38,535	0.9	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
203.9	MVP-ATWS-465	Odd-shaped	32,844	0.8	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
204.4	MVP-ATWS-466	Odd-shaped	40,554	0.9	Forest	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
204.7	MVP-ATWS-1332	51 X 103	5,208	0.1	POWERLINE ROW	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
204.7	MVP-ATWS-1360	Odd-shaped	54,409	1.3	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
204.8	MVP-ATWS-1333	48 x 104	4,968	0.1	POWERLINE ROW	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
205.3	MVP-ATWS-470	149 x 850	123,932	2.9	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
205.6	MVP-ATWS-471	62 x 405	24,742	0.6	Forest	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
205.7	MVP-ATWS-1331	Odd-shaped	27,434	0.6	Field	Giles	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
206.0	MVP-ATWS-467	Odd-shaped	20,377	0.5	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
206.8	MVP-ATWS-1137	Odd-shaped	2,580	0.1	Forest	Giles	Virginia	MVP-GI-242	Tractor trailer turn radius
206.8	MVP-ATWS-1138	Odd-shaped	6,182	0.1	Forest	Giles	Virginia	MVP-GI-242	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
207.0	MVP-ATWS-1139	Odd-shaped	14,791	0.3	Forest	Giles	Virginia	MVP-GI-243	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
207.0	MVP-ATWS-1140	Odd-shaped	19,239	0.4	Forest	Giles	Virginia	MVP-GI-243	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
207.0	MVP-ATWS-1141	Odd-shaped	8,265	0.2	Field	Giles	Virginia	MVP-GI-243	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
207.0	MVP-ATWS-1142	Odd-shaped	2,098	0.1	Field	Giles	Virginia	MVP-GI-243	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
207.2	MVP-ATWS-974	99 x 152	15,260	0.4	Forest	Giles	Virginia	MVP-GI-243.01	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
207.5	MVP-ATWS-1143	Odd-shaped	8,639	0.2	Field	Giles	Virginia	MVP-GI-244	Tractor trailer turn radius
207.5	MVP-ATWS-1144	Odd-shaped	3,796	0.1	Field	Giles	Virginia	MVP-GI-244	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
207.5	MVP-ATWS-1145	Odd-shaped	9,361	0.2	ROW	Giles	Virginia	MVP-GI-244	Tractor trailer turn radius
207.5	MVP-ATWS-1146	Odd-shaped	12,019	0.3	ROW	Giles	Virginia	MVP-GI-244	Tractor trailer turn radius
211.1	MVP-ATWS-1347	Odd-shaped	44,417	1.0	Field	Giles	Virginia	MVP-MLV-AR-25	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock- Shield, Timber Mats, Flume Pipe and Fittings
213.1	MVP-ATWS-633	Odd-shaped	125,840	2.9	Field	Giles	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
213.1	MVP-ATWS-633A	Odd-shaped	87,756	2.0	Field	Giles	Virginia	MVP-GI-256	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
213.5	MVP-ATWS-1147	50 x 102	4,381	0.1	Field	Giles	Virginia	MVP-GI-256	Tractor trailer turn radius
218.3	MVP-ATWS-1057	Odd-shaped	22,725	0.5	Field	Montgomery	Virginia	MVP-MN-258.04 -.05	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrostatic test equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
221.7	MVP-ATWS-1148	Odd-shaped	9,338	0.2	Field	Montgomery	Virginia	MVP-MLV-AR-26	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
221.7	MVP-ATWS-1149	78 x 170	13,659	0.3	Field	Montgomery	Virginia	MVP-MN-261	Tractor trailer turn radius
222.1	MVP-ATWS-1150	46 x 50	2,350	0.1	Field	Montgomery	Virginia	MVP-MLV-AR-26	Tractor trailer turn radius
222.1	MVP-ATWS-1151	38 x 50	1,888	0.0	Field	Montgomery	Virginia	MVP-MLV-AR-26	Tractor trailer turn radius
223.4	MVP-ATWS-1152	Odd-shaped	10,163	0.2	Forest	Montgomery	Virginia	MVP-MN-263	Tractor trailer turn radius
223.4	MVP-ATWS-1153	Odd-shaped	3,074	0.1	Forest	Montgomery	Virginia	MVP-MN-263	Tractor trailer turn radius
223.4	MVP-ATWS-1154	Odd-shaped	9,799	0.2	Forest	Montgomery	Virginia	MVP-MN-263	Tractor trailer turn radius
223.8	MVP-ATWS-1155	Odd-shaped	3,709	0.1	Forest	Montgomery	Virginia	MVP-MN-264	Tractor trailer turn radius
223.8	MVP-ATWS-669	Odd-shaped	53,937	1.2	Field	Montgomery	Virginia	MVP-MN-264	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
223.9	MVP-ATWS-670	Odd-shaped	19,682	0.5	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
223.9	MVP-ATWS-670A	Odd-shaped	48,753	1.1	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
224.3	MVP-ATWS-1156	42 x 70	3,008	0.1	Forest	Montgomery	Virginia	MVP-MN-266	Tractor trailer turn radius
224.3	MVP-ATWS-671	115 x 259	30,114	0.7	Forest	Montgomery	Virginia	MVP-MN-266	Tractor trailer turn radius
225.2	MVP-ATWS-1353A	Odd-shaped	657	0.0	Field	Montgomery	Virginia	MVP-MN-266.01	Tractor trailer turn radius
225.2	MVP-ATWS-1330	Odd-shaped	3,103	0.1	Forest	Montgomery	Virginia	MVP-MN-267	Tractor trailer turn radius
225.2	MVP-ATWS-1353	Odd-shaped	1,768	0.0	Field	Montgomery	Virginia	MVP-MN-266.01	Tractor trailer turn radius
225.2	MVP-ATWS-472A	30 x 775	20,788	0.5	Field	Montgomery	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
225.3	MVP-ATWS-1157	Odd-shaped	9,547	0.2	Field	Montgomery	Virginia	MVP-MN-266	Tractor trailer turn radius
225.3	MVP-ATWS-1158	Odd-shaped	7,585	0.2	Field	Montgomery	Virginia	MVP-MN-266	Tractor trailer turn radius
225.3	MVP-ATWS-472	Odd-shaped	25,738	0.6	Field	Montgomery	Virginia	MVP-MN-267	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
225.7	MVP-ATWS-473	Odd-shaped	190,729	4.4	Field	Montgomery	Virginia	MVP-MN-268	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
225.7	MVP-ATWS-473A	Odd-shaped	26,389	0.6	Field	Montgomery	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
225.9	MVP-ATWS-1159	Odd-shaped	8,869	0.2	Field	Montgomery	Virginia	MVP-MN-268	Tractor trailer turn radius
225.9	MVP-ATWS-1160	Odd-shaped	7,309	0.2	Field	Montgomery	Virginia	MVP-MN-268	Tractor trailer turn radius
225.9	MVP-ATWS-474	Odd-shaped	59,378	1.4	Field	Montgomery	Virginia	MVP-MN-268	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
226.2	MVP-ATWS-1161	Odd-shaped	15,189	0.4	Forest	Montgomery	Virginia	MVP-MN-269	Tractor trailer turn radius
227.0	MVP-ATWS-1162	Odd-shaped	2,220	0.1	Forest	Montgomery	Virginia	MVP-MN-270	Tractor trailer turn radius
227.0	MVP-ATWS-1163	Odd-shaped	2,198	0.1	Forest	Montgomery	Virginia	MVP-MN-270	Tractor trailer turn radius
227.0	MVP-ATWS-1164	Odd-shaped	2,308	0.1	Forest	Montgomery	Virginia	MVP-MN-270	Tractor trailer turn radius
227.0	MVP-ATWS-1165	95 x 110	10,219	0.2	Forest	Montgomery	Virginia	MVP-MN-270	Tractor trailer turn radius
228.2	MVP-ATWS-701	Odd-shaped	55,981	1.3	Field	Montgomery	Virginia	MVP-MN-272	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
228.3	MVP-ATWS-1166	60 x 100	5,408	0.1	Field	Montgomery	Virginia	MVP-MN-272	Tractor trailer turn radius
228.5	MVP-ATWS-1167	Odd-shaped	3,506	0.1	ROW	Montgomery	Virginia	MVP-MN-273	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
228.5	MVP-ATWS-1168	Odd-shaped	4,214	0.1	ROW	Montgomery	Virginia	MVP-MN-273	Tractor trailer turn radius
229.2	MVP-ATWS-1061	Odd-shaped	2,559	0.1	Field	Montgomery	Virginia	MVP-MN-275	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
229.2	MVP-ATWS-1213	Odd-shaped	25,167	0.6	Field	Montgomery	Virginia	MVP-MN-274 - 274.01	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
229.2	MVP-ATWS-703	Odd-shaped	21,705	0.5	Field	Montgomery	Virginia	MVP-MN-274	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
229.2	MVP-ATWS-704	Odd-shaped	21,591	0.5	Field	Montgomery	Virginia	MVP-MN-275	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, equipment cleaning, and additional vehicle/equipment parking if required.
229.2	MVP-ATWS-704A	Odd-shaped	226	0.0	Field	Montgomery	Virginia	MVP-MN-275	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
229.3	MVP-ATWS-1062	Odd-shaped	11,104	0.3	Field	Montgomery	Virginia	MVP-MN-275	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
230.0	MVP-ATWS-1216	Odd-shaped	6,920	0.2	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
230.0	MVP-ATWS-1217	Odd-shaped	4,434	0.1	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
230.0	MVP-ATWS-1218	Odd-shaped	1,932	0.0	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
230.0	MVP-ATWS-1219	Odd-shaped	7,773	0.2	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
230.0	MVP-ATWS-1220	75 x 165	12,317	0.3	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
230.0	MVP-ATWS-1221	80 x 121	9,392	0.2	Forest	Montgomery	Virginia	MVP-MN-276	Tractor trailer turn radius
233.3	MVP-ATWS-1222	Odd-shaped	12,325	0.3	Field	Montgomery	Virginia	MVP-MN-278 -279	Tractor trailer turn radius
233.3	MVP-ATWS-1223	Odd-shaped	3,440	0.1	Field	Montgomery	Virginia	MVP-MN-279	Tractor trailer turn radius
233.3	MVP-ATWS-724	Odd-shaped	6,284	0.1	Field	Montgomery	Virginia	MVP-MN-279	Tractor trailer turn radius
233.3	MVP-ATWS-724A	Odd-shaped	15,568	0.4	Field	Montgomery	Virginia	MVP-MN-279	Tractor trailer turn radius
233.8	MVP-ATWS-725	Odd-shaped	221,310	5.1	Field	Montgomery	Virginia	MVP-MLV-AR-27	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, hydrostatic testing equipment and water storage, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
233.8	MVP-ATWS-726	Odd-shaped	29,212	0.7	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required, hydrotest equipment and water storage.
233.9	MVP-ATWS-727	Odd-shaped	132,481	3.0	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
234.0	MVP-ATWS-645	222 x 391	87,569	2.0	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
234.0	MVP-ATWS-645A	Odd-shaped	33,208	0.8	Field	Montgomery	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
237.3	MVP-ATWS-1329	Odd-shaped	14,259	0.3	Forest	Roanoke	Virginia	MVP-RO-279.01	Tractor trailer turn radius
237.3	MVP-ATWS-968	Odd-shaped	24,708	0.6	Forest	Roanoke	Virginia	MVP-RO-279.01	Tractor trailer turn radius

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
237.6	MVP-ATWS-1328	Odd-shaped	35,118	0.8	Field	Roanoke	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
238.5	MVP-ATWS-1224	Odd-shaped	17,230	0.4	Forest	Roanoke	Virginia	MVP-RO-280	Tractor trailer turn radius
238.5	MVP-ATWS-1225	Odd-shaped	14,364	0.3	Forest	Roanoke	Virginia	MVP-RO-280	Tractor trailer turn radius
238.5	MVP-ATWS-955	50 x 120	5,928	0.1	Field	Roanoke	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
238.5	MVP-ATWS-955A	50 x 172	8,819	0.2	Forest	Roanoke	Virginia	MVP-RO-280	Tractor trailer turn radius
239.2	MVP-ATWS-1226	Odd-shaped	6,906	0.2	Forest	Roanoke	Virginia	MVP-RO-281	Tractor trailer turn radius
239.2	MVP-ATWS-1227	Odd-shaped	7,774	0.2	Forest	Roanoke	Virginia	MVP-RO-281	Tractor trailer turn radius
239.6	MVP-ATWS-1228	41 x 82	3,390	0.1	Forest	Roanoke	Virginia	MVP-RO-281	Tractor trailer turn radius
239.6	MVP-ATWS-1229	68 x 54	3,644	0.1	Forest	Roanoke	Virginia	MVP-RO-281	Tractor trailer turn radius
240.5	MVP-ATWS-1302	96 x 100	9,273	0.2	Field	Roanoke	Virginia	MVP-RO-283	Tractor trailer turn radius
240.5	MVP-ATWS-1303	114 x 142	15,822	0.4	Field	Roanoke	Virginia	MVP-RO-283	Tractor trailer turn radius
240.5	MVP-ATWS-1304	103 x 145	14,970	0.3	Field	Roanoke	Virginia	MVP-RO-283	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
241.6	MVP-ATWS-1326	Odd-shaped	20,168	0.5	Field	Roanoke	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
242.2	MVP-ATWS-1236	75 x 185	13,923	0.3	Field	Roanoke	Virginia	MVP-RO-285	Tractor trailer turn radius
242.2	MVP-ATWS-1237	55 x 176	9,365	0.2	Field	Roanoke	Virginia	MVP-RO-285	Tractor trailer turn radius
242.4	MVP-ATWS-1238	Odd-shaped	3,840	0.1	Field	Roanoke	Virginia	MVP-RO-286	Tractor trailer turn radius
242.4	MVP-ATWS-1239	Odd-shaped	4,007	0.1	Field	Roanoke	Virginia	MVP-RO-286	Tractor trailer turn radius
243.3	MVP-ATWS-1305	Odd-shaped	7,485	0.2	Forest	Roanoke	Virginia	MVP-RO-287	Tractor trailer turn radius
243.3	MVP-ATWS-1306	Odd-shaped	6,509	0.2	Forest	Roanoke	Virginia	MVP-RO-287	Tractor trailer turn radius
243.6	MVP-ATWS-1307	95 x 136	12,951	0.3	Field	Roanoke	Virginia	MVP-RO-288	Tractor trailer turn radius
243.6	MVP-ATWS-1308	Odd-shaped	9,863	0.2	Field	Roanoke	Virginia	MVP-RO-288	Tractor trailer turn radius
243.6	MVP-ATWS-1309	Odd-shaped	9,062	0.2	Field	Roanoke	Virginia	MVP-RO-288	Tractor trailer turn radius
243.6	MVP-ATWS-1310	Odd-shaped	14,997	0.3	Forest	Roanoke	Virginia	MVP-RO-288	Tractor trailer turn radius
244.0	MVP-ATWS-954	Odd-shaped	42,232	1.0	Field	Roanoke	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
244.4	MVP-ATWS-507	105 x 230	23,902	0.6	Field	Roanoke	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
244.4	MVP-ATWS-507A	70 x 268	17,317	0.4	Field	Roanoke	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
244.7	MVP-ATWS-1037	Odd-shaped	16,001	0.4	Field	Franklin	Virginia	MVP-FR-289	Tractor trailer turn radius
244.7	MVP-ATWS-1246	Odd-shaped	905	0.0	Field	Franklin	Virginia	MVP-FR-289 -290	Tractor trailer turn radius
244.7	MVP-ATWS-1247	Odd-shaped	1,460	0.0	Field	Franklin	Virginia	MVP-FR-290	Tractor trailer turn radius
244.8	MVP-ATWS-343	52 x 156	7,834	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
245.1	MVP-ATWS-1038	Odd-shaped	22,686	0.5	Field	Franklin	Virginia	MVP-FR-290	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
245.1	MVP-ATWS-1039	Odd-shaped	4,697	0.1	Field	Franklin	Virginia	MVP-FR-290	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
245.2	MVP-ATWS-344	Odd-shaped	37,518	0.9	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
246.2	MVP-ATWS-1248	Odd-shaped	6,561	0.2	Forest	Franklin	Virginia	MVP-FR-291	Tractor trailer turn radius
246.2	MVP-ATWS-1249	Odd-shaped	7,772	0.2	Forest	Franklin	Virginia	MVP-FR-291	Tractor trailer turn radius
246.2	MVP-ATWS-1250	Odd-shaped	20,310	0.5	Forest	Franklin	Virginia	MVP-FR-291	Tractor trailer turn radius
246.7	MVP-ATWS-1251	Odd-shaped	6,429	0.2	Field	Franklin	Virginia	MVP-FR-292	Tractor trailer turn radius
247.1	MVP-ATWS-1340A	Odd-shaped	8,465	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
247.1	MVP-ATWS-345	Odd-shaped	113,611	2.6	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
247.1	MVP-ATWS-345A	Odd-shaped	37,268	0.9	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
247.4	MVP-ATWS-1317	Odd-shaped	6,577	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
247.4	MVP-ATWS-1318	Odd-shaped	7,453	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
248.6	MVP-ATWS-1055	120 x 186	20,136	0.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
251.4	MVP-ATWS-1352	Odd-shaped	5,000	0.1	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
251.5	MVP-ATWS-1351	Odd-shaped	192,267	4.4	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
251.8	MVP-ATWS-1342	68 X 550	36,906	0.9	Forest	Franklin	Virginia	MVP-FR-293.02	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
251.8	MVP-ATWS-1343	57 x 500	27,968	0.6	Forest	Franklin	Virginia	MVP-FR-293.02	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
253.5	MVP-ATWS-1252	56 x 158	7,746	0.2	Field	Franklin	Virginia	MVP-FR-294	Tractor trailer turn radius
253.5	MVP-ATWS-1253	71 x 176	10,344	0.2	Field	Franklin	Virginia	MVP-FR-294	Tractor trailer turn radius
253.5	MVP-ATWS-1254	62 x 128	7,184	0.2	Field	Franklin	Virginia	MVP-FR-294	Tractor trailer turn radius
253.5	MVP-ATWS-1255	72 x 112	7,157	0.2	Field	Franklin	Virginia	MVP-FR-294	Tractor trailer turn radius
253.8	MVP-ATWS-1066	61 x 168	10,337	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
255.3	MVP-ATWS-1256	Odd-shaped	2,454	0.1	Field	Franklin	Virginia	MVP-FR-295	Tractor trailer turn radius
255.3	MVP-ATWS-1257	Odd-shaped	1,831	0.0	Field	Franklin	Virginia	MVP-FR-295	Tractor trailer turn radius
255.3	MVP-ATWS-1258	Odd-shaped	6,913	0.2	Field	Franklin	Virginia	MVP-FR-295	Tractor trailer turn radius
255.8	MVP-ATWS-1067	Odd-shaped	17,075	0.4	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
256.3	MVP-ATWS-613	Odd-shaped	12,759	0.3	Field	Franklin	Virginia	MVP-FR-296	Tractor trailer turn radius
256.4	MVP-ATWS-613B	Odd-shaped	2,767	0.1	Field	Franklin	Virginia	MVP-FR-296	Tractor trailer turn radius
256.4	MVP-ATWS-614	164 x 192	31,652	0.7	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
256.6	MVP-ATWS-562	Odd-shaped	19,673	0.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
256.7	MVP-ATWS-616	Odd-shaped	17,600	0.4	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
256.9	MVP-ATWS-1259	Odd-shaped	6,092	0.1	Field	Franklin	Virginia	MVP-FR-297	Tractor trailer turn radius
256.9	MVP-ATWS-1260	Odd-shaped	6,234	0.1	Field	Franklin	Virginia	MVP-FR-297	Tractor trailer turn radius
256.9	MVP-ATWS-564	Odd-shaped	10,937	0.3	Field	Franklin	Virginia	MVP-FR-297	Tractor trailer turn radius
256.9	MVP-ATWS-564A	Odd-shaped	1,443	0.0	Field	Franklin	Virginia	MVP-FR-297	Tractor trailer turn radius
257.0	MVP-ATWS-1362	Odd-shaped	57,572	1.3	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
257.7	MVP-ATWS-566	Odd-shaped	8,997	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
257.9	MVP-ATWS-568	Odd-shaped	77,134	1.8	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
258.4	MVP-ATWS-1261	Odd-shaped	6,377	0.2	Field	Franklin	Virginia	MVP-FR-300	Tractor trailer turn radius
258.4	MVP-ATWS-1262	Odd-shaped	2,374	0.1	Field	Franklin	Virginia	MVP-FR-300	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
258.4	MVP-ATWS-569A	Odd-shaped	132,723	3.1	Field	Franklin	Virginia	MVP-FR-300	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
258.9	MVP-ATWS-515	Odd-shaped	20,200	0.5	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
258.9	MVP-ATWS-515A	Odd-shaped	18,074	0.4	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
258.9	MVP-ATWS-516	Odd-shaped	9,613	0.2	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
258.9	MVP-ATWS-516A	Odd-shaped	3,739	0.1	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
259.1	MVP-ATWS-346	Odd-shaped	40,204	0.9	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
259.4	MVP-ATWS-347	Odd-shaped	30,927	0.7	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
259.7	MVP-ATWS-1040	Odd-shaped	42,697	1.0	Field	Franklin	Virginia	MVP-FR-303.01	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
259.7	MVP-ATWS-1041	Odd-shaped	21,263	0.5	Field	Franklin	Virginia	MVP-FR-303.01	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
259.8	MVP-ATWS-518	48 x 212	10,482	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
259.9	MVP-ATWS-519	60 x 123	7,500	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
260.4	MVP-ATWS-696	Odd-shaped	17,305	0.4	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
260.5	MVP-ATWS-697	Odd-shaped	148,208	3.4	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
260.8	MVP-ATWS-571	Odd-shaped	40,745	0.9	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
260.8	MVP-ATWS-698A	Odd-shaped	44,763	1.0	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
261.2	MVP-ATWS-1263	Odd-shaped	30,658	0.7	Field	Franklin	Virginia	MVP-FR-305	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
261.2	MVP-ATWS-1264	Odd-shaped	25,751	0.6	Field	Franklin	Virginia	MVP-FR-305	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
261.6	MVP-ATWS-1299	50 x 211	10,547	0.2	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
262.4	MVP-ATWS-1348	98 x 99	8,981	0.2	Field	Franklin	Virginia	MVP-MLV-AR-31	Tractor trailer turn radius
262.4	MVP-ATWS-1349	25 x 100	1,753	0.0	Field	Franklin	Virginia	MVP-MLV-AR-31	Tractor trailer turn radius
262.8	MVP-ATWS-1363	Odd-shaped	143,918	3.3	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required, hydrotest equipment and water storage.
262.8	MVP-ATWS-1365	Odd-shaped	20,056	0.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required, hydrotest equipment and water storage.
262.8	MVP-ATWS-1362	700 x 325	163,974	3.8	Pasture/Hay	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
263.0	MVP-ATWS-1316	Odd-shaped	12,289	0.3	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.3	MVP-ATWS-574	Odd-shaped	13,608	0.3	Field	Franklin	Virginia	MVP-FR-307	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
263.3	MVP-ATWS-575	Odd-shaped	15,405	0.4	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.3	MVP-ATWS-576	Odd-shaped	15,537	0.4	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.3	MVP-ATWS-576A	Odd-shaped	15,375	0.4	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
263.4	MVP-ATWS-577	Odd-shaped	30,473	0.7	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.4	MVP-ATWS-577A	Odd-shaped	189,614	4.4	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.8	MVP-ATWS-578	60 x 152	9,172	0.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
263.9	MVP-ATWS-617	Odd-shaped	7,397	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
264.5	MVP-ATWS-1042	Odd-shaped	13,910	0.3	Field	Franklin	Virginia	MVP-FR-308	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
264.8	MVP-ATWS-714	Odd-shaped	43,970	1.0	Forest	Franklin	Virginia	MVP-FR-309	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
265.2	MVP-ATWS-348	Odd-shaped	39,898	0.9	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
265.3	MVP-ATWS-583	Odd-shaped	132,471	3.0	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
265.7	MVP-ATWS-349	Odd-shaped	106,624	2.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
265.9	MVP-ATWS-1265	Odd-shaped	9,278	0.2	Forest	Franklin	Virginia	MVP-FR-310	Tractor trailer turn radius
265.9	MVP-ATWS-1266	Odd-shaped	15,106	0.4	Forest	Franklin	Virginia	MVP-FR-310	Tractor trailer turn radius
265.9	MVP-ATWS-521	Odd-shaped	4,973	0.1	Field	Franklin	Virginia	MVP-FR-310	Tractor trailer turn radius
265.9	MVP-ATWS-521A	Odd-shaped	843	0.0	Field	Franklin	Virginia	MVP-FR-310	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
266.2	MVP-ATWS-523	Odd-shaped	14,680	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
266.3	MVP-ATWS-1267	Odd-shaped	6,492	0.2	Forest	Franklin	Virginia	MVP-FR-311	Tractor trailer turn radius
266.3	MVP-ATWS-1268	Odd-shaped	4,279	0.1	Forest	Franklin	Virginia	MVP-FR-311	Tractor trailer turn radius
266.3	MVP-ATWS-524	Odd-shaped	5,427	0.1	Forest	Franklin	Virginia	MVP-FR-311	Tractor trailer turn radius
266.3	MVP-ATWS-524A	Odd-shaped	3,983	0.1	Forest	Franklin	Virginia	MVP-FR-311	Tractor trailer turn radius
266.6	MVP-ATWS-350	Odd-shaped	1,540	0.0	Field	Franklin	Virginia	MVP-FR-312 MVP-MVL-AR-32	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
266.6	MVP-ATWS-693	Odd-shaped	46,005	1.1	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
266.8	MVP-ATWS-351	Odd-shaped	26,034	0.6	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
266.8	MVP-ATWS-351A	Odd-shaped	29,415	0.7	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
267.3	MVP-ATWS-1269	Odd-shaped	10,733	0.3	Field	Franklin	Virginia	MVP-FR-313	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
267.3	MVP-ATWS-1270	Odd-shaped	12,593	0.3	Field	Franklin	Virginia	MVP-FR-313	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
267.3	MVP-ATWS-525	Odd-shaped	22,597	0.5	Field	Franklin	Virginia	MVP-FR-313	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
267.4	MVP-ATWS-352	Odd-shaped	22,984	0.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
268.1	MVP-ATWS-353	Odd-shaped	11,500	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
268.1	MVP-ATWS-354	Odd-shaped	29,030	0.7	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.1	MVP-ATWS-1271	80 x 120	8,884	0.2	Field	Franklin	Virginia	MVP-FR-314	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.1	MVP-ATWS-1272	134 x 167	21,119	0.5	Field	Franklin	Virginia	MVP-FR-314	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.1	MVP-ATWS-526	Odd-shaped	12,520	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
269.1	MVP-ATWS-526A	Odd-shaped	27,255	0.6	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.1	MVP-ATWS-526B	Odd-shaped	7,445	0.2	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.5	MVP-ATWS-622	59 x 237	13,859	0.3	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.6	MVP-ATWS-623	Odd-shaped	10,472	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
269.9	MVP-ATWS-1273	Odd-shaped	24,489	0.6	Field	Franklin	Virginia	MVP-FR-315	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
269.9	MVP-ATWS-356	Odd-shaped	46,433	1.1	Field	Franklin	Virginia	MVP-FR-315	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
270.4	MVP-ATWS-545	65 x 100	6,488	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
270.7	MVP-ATWS-358	72 x 290	18,049	0.4	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
270.7	MVP-ATWS-358A	106 x 340	34,271	0.8	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
270.8	MVP-ATWS-527	50 x 227	11,171	0.3	Forest	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
270.8	MVP-ATWS-659	Odd-shaped	11,903	0.3	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
271.2	MVP-ATWS-359	93 x 465	40,238	0.9	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
271.5	MVP-ATWS-1340	Odd-shaped	53,870	1.2	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
271.7	MVP-ATWS-360	210 x 236	41,283	1.0	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
272.0	MVP-ATWS-528	Odd-shaped	8,098	0.2	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
272.1	MVP-ATWS-361	Odd-shaped	23,571	0.5	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
272.1	MVP-ATWS-529	Odd-shaped	21,824	0.5	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
272.5	MVP-ATWS-362	178 x 235	41,409	1.0	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
272.9	MVP-ATWS-363	Odd-shaped	13,508	0.3	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
273.2	MVP-ATWS-1043	Odd-shaped	25,187	0.6	Field	Franklin	Virginia	MVP-FR-318	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
273.2	MVP-ATWS-1044	Odd-shaped	1,144	0.0	Field	Franklin	Virginia	MVP-FR-318	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
273.2	MVP-ATWS-530	100 x 178	17,181	0.4	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
273.5	MVP-ATWS-531	Odd-shaped	54,316	1.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
273.5	MVP-ATWS-531A	Odd-shaped	32,588	0.8	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
273.7	MVP-ATWS-532	Odd-shaped	13,795	0.3	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
274.1	MVP-ATWS-661	Odd-shaped	4,637	0.1	Forest	Franklin	Virginia	MVP-FR-319.01	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
274.4	MVP-ATWS-365	Odd-shaped	22,460	0.5	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
274.4	MVP-ATWS-366	Odd-shaped	5,513	0.1	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
274.5	MVP-ATWS-367	85 x 175	14,669	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
274.6	MVP-ATWS-533	Odd-shaped	5,735	0.1	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
275.0	MVP-ATWS-1274	Odd-shaped	16,560	0.4	Forest	Franklin	Virginia	MVP-FR-320	Tractor trailer turn radius
275.0	MVP-ATWS-1275	Odd-shaped	10,963	0.3	Forest	Franklin	Virginia	MVP-FR-320	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
275.0	MVP-ATWS-1301	Odd-shaped	18,437	0.4	Field	Franklin	Virginia	MVP-FR-320	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
275.0	MVP-ATWS-368	100 x 256	24,233	0.6	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
275.0	MVP-ATWS-534	109 x 212	22,844	0.5	Field	Franklin	Virginia	MVP-FR-320	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
275.3	MVP-ATWS-536	86 x 134	11,354	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
275.3	MVP-ATWS-536A	Odd-shaped	13,252	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
275.4	MVP-ATWS-369	Odd-shaped	29,312	0.7	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
275.7	MVP-ATWS-370	Odd-shaped	40,772	0.9	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
275.8	MVP-ATWS-1276	Odd-shaped	3,232	0.1	Forest	Franklin	Virginia	MVP-FR-321	Tractor trailer turn radius
275.8	MVP-ATWS-1277	68 x 115	6,819	0.2	Forest	Franklin	Virginia	MVP-FR-321	Tractor trailer turn radius
275.8	MVP-ATWS-1278	Odd-shaped	6,188	0.1	Forest	Franklin	Virginia	MVP-FR-321	Tractor trailer turn radius
275.8	MVP-ATWS-1279	Odd-shaped	7,389	0.2	Forest	Franklin	Virginia	MVP-FR-321	Tractor trailer turn radius
275.9	MVP-ATWS-371	75 x 174	12,331	0.3	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
276.5	MVP-ATWS-372	147 x 150	22,074	0.5	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
276.6	MVP-ATWS-373	208 x 221	46,583	1.1	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
276.8	MVP-ATWS-1280	Odd-shaped	41,304	1.0	Field	Franklin	Virginia	MVP-FR-322	Tractor trailer turn radius
276.8	MVP-ATWS-715	Odd-shaped	27,207	0.6	Field	Franklin	Virginia	MVP-FR-322	Tractor trailer turn radius
276.8	MVP-ATWS-715A	Odd-shaped	34,633	0.8	Field	Franklin	Virginia	MVP-FR-322	Tractor trailer turn radius
277.3	MVP-ATWS-1281	Odd-shaped	10,280	0.2	Field	Franklin	Virginia	MVP-FR-323	Tractor trailer turn radius
277.3	MVP-ATWS-1282	Odd-shaped	116,391	2.7	Field	Franklin	Virginia	MVP-FR-323	Tractor trailer turn radius
277.7	MVP-ATWS-374	50 x 100	5,000	0.1	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
278.1	MVP-ATWS-539	46 x 247	12,336	0.3	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
278.2	MVP-ATWS-375	Odd-shaped	26,219	0.6	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
278.5	MVP-ATWS-376	40 x 208	7,651	0.2	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
279.3	MVP-ATWS-540	Odd-shaped	8,830	0.2	ROW	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
279.3	MVP-ATWS-541	Odd-shaped	12,534	0.3	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
279.5	MVP-ATWS-377	Odd-shaped	12,493	0.3	Forest	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
279.8	MVP-ATWS-378	146 x 183	25,940	0.6	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
279.9	MVP-ATWS-1364	Odd-shaped	89,995	2.1	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
280.1	MVP-ATWS-379	Odd-shaped	4,526	0.1	Field	Franklin	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
280.7	MVP-ATWS-380	Odd-shaped	17,897	0.4	Field	Franklin	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
281.0	MVP-ATWS-1283	Odd-shaped	13,212	0.3	Field	Franklin	Virginia	MVP-PI-324	Tractor trailer turn radius
281.0	MVP-ATWS-1284	Odd-shaped	11,406	0.3	Forest	Franklin	Virginia	MVP-PI-324	Tractor trailer turn radius
281.0	MVP-ATWS-650	Odd-shaped	9,022	0.2	Forest	Franklin	Virginia	MVP-PI-324	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
281.6	MVP-ATWS-486	Odd-shaped	32,812	0.8	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
281.9	MVP-ATWS-487	Odd-shaped	44,448	1.0	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
282.3	MVP-ATWS-382A	108 x 225	23,787	0.6	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
282.4	MVP-ATWS-382	123 x 520	63,530	1.5	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
282.6	MVP-ATWS-1285	117 x 228	25,894	0.6	Field	Pittsylvania	Virginia	MVP-PI-325	Tractor trailer turn radius
282.6	MVP-ATWS-1286	101 x 220	22,792	0.5	Field	Pittsylvania	Virginia	MVP-PI-325	Tractor trailer turn radius
282.6	MVP-ATWS-1287	83 x 210	17,506	0.4	Field	Pittsylvania	Virginia	MVP-PI-325	Tractor trailer turn radius
282.6	MVP-ATWS-1288	94 x 183	17,202	0.4	Field	Pittsylvania	Virginia	MVP-PI-325	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
283.2	MVP-ATWS-383	150 x 376	55,667	1.3	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
283.2	MVP-ATWS-383A	113 x 363	40,498	0.9	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
283.3	MVP-ATWS-384	250 x 250	63,263	1.5	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
283.3	MVP-ATWS-384A	118 x 287	34,454	0.8	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
283.8	MVP-ATWS-546	100 x 250	24,889	0.6	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
283.9	MVP-ATWS-651	Odd-shaped	2,958	0.1	Forest	Pittsylvania	Virginia	MVP-PI-326	Tractor trailer turn radius
283.9	MVP-ATWS-651A	Odd-shaped	2,691	0.1	Field	Pittsylvania	Virginia	MVP-PI-326	Tractor trailer turn radius
283.9	MVP-ATWS-652	Odd-shaped	7,148	0.2	Field	Pittsylvania	Virginia	MVP-PI-326	Tractor trailer turn radius
284.3	MVP-ATWS-385	65 x 95	6,147	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
284.7	MVP-ATWS-386	252 x 292	72,588	1.7	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
285.1	MVP-ATWS-488	Odd-shaped	7,261	0.2	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
286.3	MVP-ATWS-653	Odd-shaped	118,516	2.7	Field	Pittsylvania	Virginia	MVP-PI-328	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and hydrostatic testing equipment and water storage.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
286.4	MVP-ATWS-388A	118 x 390	46,349	1.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
286.5	MVP-ATWS-1289	Odd-shaped	8,844	0.2	Forest	Pittsylvania	Virginia	MVP-PI-330	Tractor trailer turn radius
286.5	MVP-ATWS-1290	Odd-shaped	89	0.0	Forest	Pittsylvania	Virginia	MVP-PI-330	Tractor trailer turn radius
286.5	MVP-ATWS-1291	77 x 128	9,853	0.2	Forest	Pittsylvania	Virginia	MVP-PI-330	Tractor trailer turn radius
286.6	MVP-ATWS-1292	Odd-shaped	2,084	0.1	Forest	Pittsylvania	Virginia	MVP-PI-331	Tractor trailer turn radius
286.6	MVP-ATWS-1293	Odd-shaped	2,849	0.1	Forest	Pittsylvania	Virginia	MVP-PI-331	Tractor trailer turn radius
286.6	MVP-ATWS-1294	Odd-shaped	5,300	0.1	Forest	Pittsylvania	Virginia	MVP-PI-329 -331	Tractor trailer turn radius
286.6	MVP-ATWS-1295	58 x 83	4,802	0.1	Forest	Pittsylvania	Virginia	MVP-PI-329 -331	Tractor trailer turn radius
286.6	MVP-ATWS-1296	Odd-shaped	3,281	0.1	Forest	Pittsylvania	Virginia	MVP-PI-330 -331	Tractor trailer turn radius
286.6	MVP-ATWS-1297	32 x 249	6,990	0.2	Forest	Pittsylvania	Virginia	MVP-PI-330	Tractor trailer turn radius
286.6	MVP-ATWS-654	Odd-shaped	9,315	0.2	Forest	Pittsylvania	Virginia	MVP-PI-330	Tractor trailer turn radius
286.7	MVP-ATWS-489A	70 x 287	20,218	0.5	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
286.7	MVP-ATWS-969	50 x 100	4,955	0.1	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
286.8	MVP-ATWS-389	Odd-shaped	60,701	1.4	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
286.8	MVP-ATWS-389A	Odd-shaped	23,574	0.5	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
287.2	MVP-ATWS-391	Odd-shaped	15,277	0.4	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
287.3	MVP-ATWS-392	Odd-shaped	17,048	0.4	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
287.8	MVP-ATWS-547	Odd-shaped	924	0.0	Forest	Pittsylvania	Virginia	MVP-PI-332	Tractor trailer turn radius
287.8	MVP-ATWS-547A	Odd-shaped	1,003	0.0	Forest	Pittsylvania	Virginia	MVP-PI-332	Tractor trailer turn radius
287.8	MVP-ATWS-655	58 x 73	3,232	0.1	Forest	Pittsylvania	Virginia	MVP-PI-332	Tractor trailer turn radius
287.8	MVP-ATWS-655A	54 x 78	3,277	0.1	Forest	Pittsylvania	Virginia	MVP-PI-332	Tractor trailer turn radius
287.9	MVP-ATWS-547B	Odd-shaped	11,305	0.3	Field	Pittsylvania	Virginia	MVP-PI-332	Tractor trailer turn radius
288.1	MVP-ATWS-492	Odd-shaped	17,400	0.4	Forest	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
288.1	MVP-ATWS-492A	53 x 134	6,751	0.2	Forest	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
288.4	MVP-ATWS-493	Odd-shaped	20,415	0.5	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
289.1	MVP-ATWS-548	Odd-shaped	33,184	0.8	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
289.2	MVP-ATWS-549	Odd-shaped	9,857	0.2	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
289.4	MVP-ATWS-494	Odd-shaped	20,414	0.5	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
290.6	MVP-ATWS-819	100 x 100	12,295	0.3	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
290.6	MVP-ATWS-820	97 x 100	11,831	0.3	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
292.2	MVP-ATWS-813	87 x 117	10,013	0.2	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
293.7	MVP-ATWS-634	50 x 141	7,030	0.2	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
293.8	MVP-ATWS-635	Odd-shaped	27,307	0.6	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
293.8	MVP-ATWS-821	Odd-shaped	85,353	2.0	Field	Pittsylvania	Virginia	MVP-PI-336	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
294.2	MVP-ATWS-497	191 x 370	66,465	1.5	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
294.3	MVP-ATWS-498	200 x 218	42,319	1.0	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
294.3	MVP-ATWS-625	166 x 238	37,534	0.9	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
294.4	MVP-ATWS-626	50 x 68	3,381	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
294.4	MVP-ATWS-627	50 x 85	4,231	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
294.5	MVP-ATWS-628	50 x 86	4,296	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
294.6	MVP-ATWS-629	50 x 83	4,145	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
294.6	MVP-ATWS-630	Odd-shaped	1,976	0.1	Forest	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
295.1	MVP-ATWS-499A	Odd-shaped	134,253	3.1	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
295.1	MVP-ATWS-631	Odd-shaped	57,457	1.3	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
295.2	MVP-ATWS-500	Odd-shaped	24,284	0.6	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
295.2	MVP-ATWS-500A	Odd-shaped	10,109	0.2	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
295.5	MVP-ATWS-794	Odd-shaped	38,788	0.9	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
295.8	MVP-ATWS-504	Odd-shaped	58,666	1.4	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
296.1	MVP-ATWS-398	Odd-shaped	365,633	8.4	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
296.7	MVP-ATWS-399	Odd-shaped	91,020	2.1	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
296.7	MVP-ATWS-399A	Odd-shaped	114,247	2.6	Forest	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
296.8	MVP-ATWS-400	112 x 127	13,416	0.3	Forest	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
296.8	MVP-ATWS-400A	65 x 122	7,835	0.2	Forest	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
296.9	MVP-ATWS-1312	39 x 98	3,895	0.1	Field	Pittsylvania	Virginia	MVP-PI-339	Tractor trailer turn radius
296.9	MVP-ATWS-1313	47 x 73	3,673	0.1	Field	Pittsylvania	Virginia	MVP-PI-339	Tractor trailer turn radius
296.9	MVP-ATWS-505	Odd-shaped	19,121	0.4	Field	Pittsylvania	Virginia	MVP-PI-339	Tractor trailer turn radius
296.9	MVP-ATWS-505A	Odd-shaped	7,950	0.2	Field	Pittsylvania	Virginia	MVP-PI-339	Tractor trailer turn radius

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
297.2	MVP-ATWS-1319	Odd-shaped	16,834	0.4	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
297.3	MVP-ATWS-1298	Odd-shaped	10,295	0.2	Forest	Pittsylvania	Virginia	MVP-PI-340	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
297.3	MVP-ATWS-1320	Odd-shaped	11,808	0.3	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
297.3	MVP-ATWS-1321	Odd-shaped	6,926	0.2	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
297.3	MVP-ATWS-506	Odd-shaped	20,649	0.5	Forest	Pittsylvania	Virginia	MVP-PI-340	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
298.6	MVP-ATWS-1322	Odd-shaped	4,308	0.1	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
298.7	MVP-ATWS-1323	62 x 200	9,639	0.2	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
298.7	MVP-ATWS-611	166 x 923	154,403	3.5	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
299.0	MVP-ATWS-612	50 x 470	22,339	0.5	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
299.1	MVP-ATWS-401	Odd-shaped	39,324	0.9	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
299.1	MVP-ATWS-401A	138 x 359	50,531	1.2	Field	Pittsylvania	Virginia	Mainline	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-1 (continued)

Proposed Additional Temporary Workspaces for the Mountain Valley Project a/

MP	Name	Length and Width (Feet)	Area (Sq. Feet)	Area (Acres)	Current Land Use	County	State	Associated Access Road	Purpose
299.6	MVP-ATWS-1324	50 x 100	5,000	0.1	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
299.7	MVP-ATWS-1325	50 x 94	4,878	0.1	Field	Pittsylvania	Virginia	Mainline	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

a/ All proposed additional temporary workspaces are privately owned.

APPENDIX D-2

Extra Workspaces

Equitrans Expansion Project

APPENDIX D-2

Proposed Additional Temporary Workspaces for the Equitrans Expansion Project

County / State	Pipeline Facility	ATWS Name	ATWS Acreage	ATWS Dimension/ Shape	ATWS Milepost	Land Use Type	Land Use Acres	Purpose
Greene, PA	H-158/M80	H158 M80 ATWS 01	3.3	Irregular Shape	0.00	Pasture/Hay	2.4	Yard - Temporary Storage Area
						Deciduous Forest	0.1	
						Developed, Open Space	0.9	
		H158 M80 ATWS 02	0.5	Irregular Shape	0.05	Deciduous Forest	0.2	ATWS - Laydown Area
						Developed, Open Space	0.4	
	H-305	H305 ATWS 01	1.0	Irregular Shape	0.07	Deciduous Forest	0.7	ATWS - Laydown Area
						Pasture/Hay	0.3	
	H-316	H316 ATWS 01a	0.1	Irregular Shape	0.10	Developed, Open Space	0.0	ATWS - Proposed Construction Entrance
						Pasture/Hay	0.1	
		H316 ATWS 01b	0.1	132' x 60'	0.10	Developed, Open Space	0.1	ATWS - Proposed Construction Entrance
						Pasture/Hay	0.0	
		H316 ATWS 01c	0.1	Irregular Shape	0.10	Developed, Open Space	0.1	ATWS - Proposed Construction Entrance
		H316 ATWS 02	0.3	Irregular Shape	0.65	Cultivated Crops	0.2	ATWS - Laydown Area
						Pasture/Hay	0.1	
		H316 ATWS 03a	0.0	Irregular Shape	0.80	Pasture/Hay	0.0	ATWS - Construction Entrance
		H316 ATWS 03b	0.1	Irregular Shape	0.80	Pasture/Hay	0.1	ATWS - Construction Entrance
		H316 ATWS 03c	0.1	110' x 30'	0.80	Developed, Open Space	0.1	ATWS - Additional Workspace
		H316 ATWS 03d	0.2	114' x 66'	0.80	Developed, Open Space	0.0	ATWS - Construction Entrance
						Pasture/Hay	0.1	
		H316 ATWS 04	0.3	Irregular Shape	0.90	Developed, Low Intensity	0.2	ATWS - Laydown Area
						Pasture/Hay	0.1	

APPENDIX D-2 (continued)

Proposed Additional Temporary Workspaces for the Equitrans Expansion Project

County / State	Pipeline Facility	ATWS Name	ATWS Acreage	ATWS Dimension/ Shape	ATWS Milepost	Land Use Type	Land Use Acres	Purpose
	H-316	H316 ATWS 05	1.0	Irregular Shape	1.50	Deciduous Forest	0.3	ATWS - Laydown Area
						Grassland/Herbaceous	0.0	
						Pasture/Hay	0.7	
		H316 ATWS 06	3.0	825' x 210'	2.09	Deciduous Forest	3.0	ATWS - HDD Pullback
		H316 ATWS 07	13.3	Irregular Shape	2.83	Cultivated Crops	0.1	ATWS - H-316 HDD Entrance Location/H-302 Hot Tap Location
						Deciduous Forest	4.5	
						Pasture/Hay	8.7	
		H316 ATWS 08	1.8	350' x 250'	0.00	Cultivated Crops	0.2	Yard - Temporary Storage Area
						Deciduous Forest	0.1	
						Pasture/Hay	1.6	
	Redhook	REDHOOK ATWS 01	1.5	Irregular Shape	N/A	Deciduous Forest	0.5	ATWS - Laydown Area
						Developed, Open Space	1.0	
Allegheny, PA	H-318	H318 ATWS 01a	9.3	1600' x 220'	0.45	Developed, Open Space	0.4	ATWS - Laydown Area
						Pasture/Hay	8.9	
		H318 ATWS 01b	2.2	1323' x 121'	0.45	Cultivated Crops	0.0	ATWS - Laydown Area
						Developed, Open Space	0.0	
						Pasture/Hay	2.2	
		H318 ATWS 01c	0.5	250' x 135'	0.73	Developed, Open Space	0.5	ATWS - Laydown Area
		H318 ATWS 01d	0.2	250' x 55'	0.73	Developed, Open Space	0.2	ATWS - Laydown Area
		H318 ATWS 02a	1.0	Irregular Shape	1.62	Deciduous Forest	0.7	ATWS - Additional Workspace
						Developed, Open Space	0.3	
		H318 ATWS 02c	0.1	130' x 50'	1.70	Deciduous Forest	0.1	ATWS - Additional Workspace
						Developed, Open Space	0.0	
		H318 ATWS 02d	0.1	50' x 50'	1.70	Deciduous Forest	0.1	ATWS - Additional Workspace
						Developed, Open Space	0.0	

APPENDIX D-2 (continued)

Proposed Additional Temporary Workspaces for the Equitrans Expansion Project

County / State	Pipeline Facility	ATWS Name	ATWS Acreage	ATWS Dimension/ Shape	ATWS Milepost	Land Use Type	Land Use Acres	Purpose
Allegheny, PA	H-318	H318 ATWS 02e	0.7	Irregular Shape	1.74	Cultivated Crops	0.4	ATWS - Additional Workspace
						Deciduous Forest	0.2	
						Developed, Open Space	0.2	
		H318 ATWS 03	0.4	180' x 115'	1.90	Deciduous Forest	0.0	ATWS - Additional Workspace
						Developed, Open Space	0.4	
						Pasture/Hay	0.1	
		H318 ATWS 04a	7.3	Irregular Shape	2.00	Cultivated Crops	0.5	ATWS - Additional Workspace
						Deciduous Forest	3.2	
						Pasture/Hay	3.6	
		H318 ATWS 04b	4.9	Irregular Shape	2.00	Deciduous Forest	2.1	ATWS - Additional Workspace
						Pasture/Hay	2.8	
		H318 ATWS 05a	0.3	230' x 58'	2.75	Deciduous Forest	0.3	ATWS - Laydown Area
						Developed, Low Intensity	0.0	
		H318 ATWS 05b	0.1	Irregular Shape	2.80	Developed, Low Intensity	0.0	ATWS - Laydown Area
						Developed, Open Space	0.1	
		H318 ATWS 05c	3.1	Irregular Shape	2.80	Deciduous Forest	1.1	ATWS - H-318 HDD Entrance Location
						Developed, Open Space	2.0	
Washington, PA	H-318	H318 ATWS 06b	3.5	Irregular Shape	3.46	Deciduous Forest	2.5	ATWS - HDD Pullback
						Developed, Open Space	0.8	
						Pasture/Hay	0.1	
		H318 ATWS 06c	1.1	450' x 115'	3.74	Cultivated Crops	0.2	ATWS - HDD Pullback
						Deciduous Forest	0.9	
		H318 ATWS 06d	3.0	950' x 150'	3.83	Cultivated Crops	2.3	ATWS - HDD Pullback
						Deciduous Forest	0.7	

APPENDIX D-2 (continued)

Proposed Additional Temporary Workspaces for the Equitrans Expansion Project

County / State	Pipeline Facility	ATWS Name	ATWS Acreage	ATWS Dimension/ Shape	ATWS Milepost	Land Use Type	Land Use Acres	Purpose
		H318 ATWS 07	0.3	Irregular Shape	4.25	Cultivated Crops	0.1	ATWS - Additional Workspace
						Deciduous Forest	0.0	
						Pasture/Hay	0.2	
		H318 ATWS 08	2.5	Irregular Shape	4.25	Developed, Low Intensity	0.3	Yard - Temporary Storage Area
						Developed, Medium Intensity	2.0	
						Developed, Open Space	0.2	
						Grassland/Herbaceous	0.1	
		H318 ATWS 09	1.4	277' x 231'	0.00	Deciduous Forest	1.3	Yard - Temporary Storage Area
						Developed, Open Space	0.1	
		H318 ATWS 10	2.3	514' x 214'	0.00	Developed, Low Intensity	1.2	Yard - Temporary Storage Area
						Developed, Medium Intensity	0.4	
						Developed, Open Space	0.7	
Wetzel, WV	H-319	H-319 ATWS 01	0.1	Irregular Shape	0.02	Deciduous Forest	0.1	ATWS - Hot Tap Workspace
		H-319 ATWS 02	0.3	Irregular Shape	0.00	Deciduous Forest	0.0	Yard - Temporary Storage Area
						Developed, Open Space	0.2	
	Mobley	Mobley ATWS 01	0.1	Irregular Shape	N/A	Deciduous Forest	0.0	ATWS - Additional Workspace
						Developed, Open Space	0.1	
	Webster	Webster ATWS 01	1.4	625' x 130'	N/A	Deciduous Forest	0.5	ATWS - Additional Workspace
						Developed, Open Space	0.9	

APPENDIX D-3

Extra Workspaces Within 50 Feet of a Waterbody or Wetland

Mountain Valley Project

APPENDIX D-3

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-734	0.2	Wetzel	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-734A	0.2	Wetzel	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-002	0.6	Wetzel	West Virginia	Tractor trailer turn radius
MVP-ATWS-735	0.7	Wetzel	West Virginia	Storage of excess spoil at crossings, parking
MVP-ATWS-003A	0.7	Wetzel	West Virginia	Storage of excess spoil at crossings, parking
MVP-ATWS-738	1.3	Wetzel	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-737	1.4	Wetzel	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-737A	1.4	Wetzel	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-005	2.3	Wetzel	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, however not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-747	4.9	Wetzel	West Virginia	Material staging, which is anticipated to include, however not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-006	5.0	Wetzel	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-006A	5.0	Wetzel	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-007	5.3	Wetzel	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-009	5.6	Wetzel	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-010	6.6	Wetzel	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-786A	6.9	Wetzel	West Virginia	Tractor trailer turn radius
MVP-ATWS-786	6.9	Wetzel	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-785	6.9	Wetzel	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-750	7.4	Wetzel	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-012	8.0	Wetzel	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-012A	8.0	Wetzel	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-013	8.9	Wetzel	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-015	11.2	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-016	11.3	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-403	12.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-403A	12.2	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-788	13.4	Harrison	West Virginia	Tractor trailer turn radius, parking
MVP-ATWS-021	15.4	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-406	15.4	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-458	15.4	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-021C	15.4	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-022	15.5	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-022A	15.5	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-022B	15.5	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-757	16.0	Harrison	West Virginia	Tractor trailer turn radius
MVP-ATWS-756	16.0	Harrison	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-025	17.8	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-025A	17.8	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-025B	17.9	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-025C	17.9	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-758	18.6	Harrison	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-028	18.8	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-029	18.9	Harrison	West Virginia	Storage of excess spoil at crossings
MVP-ATWS-759	19.0	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-760	19.0	Harrison	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-759A	19.0	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-032	20.8	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-032A	20.8	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-033	20.9	Harrison	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-033A	20.9	Harrison	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-037A	23.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-037	23.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-039	24.6	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-039A	24.6	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-789A	25.0	Harrison	West Virginia	Tractor trailer turn radius
MVP-ATWS-789	25.0	Harrison	West Virginia	Tractor trailer turn radius
MVP-ATWS-042	25.9	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-765	26.9	Harrison	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-824	30.2	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-826	30.2	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-418	30.9	Harrison	West Virginia	Tractor trailer turn radius
MVP-ATWS-047	31.4	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-049	32.1	Doddridge	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1338	32.8	Harrison	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-051	32.8	Harrison	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-771A	34.1	Doddridge	West Virginia	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-772	34.1	Doddridge	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-774	34.4	Doddridge	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-777	34.7	Doddridge	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-776	34.7	Doddridge	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-053	34.9	Doddridge	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-781	37.3	Harrison	West Virginia	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1063	37.3	Harrison	West Virginia	Tractor trailer turn radius
MVP-ATWS-781A	37.3	Harrison	West Virginia	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-057	38.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-056	38.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-056A	38.1	Harrison	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-833	39.5	Lewis	West Virginia	
MVP-ATWS-832	40.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-059	41.3	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-059A	41.3	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-060	42.0	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-060A	42.0	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-835	42.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-836	42.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-062A	42.7	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-845	43.1	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-838	43.3	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-839	43.3	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-851	44.6	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-852	44.6	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-064	44.8	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-1341	45.9	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-070A	45.9	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-071A	46.0	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-071	46.0	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-072A	46.1	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-072	46.1	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-072C	46.1	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-072B	46.1	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-074	48.0	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-074A	48.0	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-075	48.1	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-075A	48.1	Lewis	West Virginia	Storage of excess spoil at crossings, hydrotest equipment
MVP-ATWS-805	51.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-078	51.8	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-078A	51.8	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-079	52.4	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-917	53.8	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-863	55.2	Lewis	West Virginia	Storage of excess spoil at crossings
MVP-ATWS-085A	58.6	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-085	58.6	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-086A	58.7	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-918	59.3	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-427	59.3	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-088	59.3	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-087	59.3	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-428	59.6	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-429	59.8	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-430A	60.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-430B	60.0	Lewis	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-879	60.0	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-878	60.0	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-881	60.0	Lewis	West Virginia	Tractor trailer turn radius
MVP-ATWS-880	60.0	Lewis	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-432	60.2	Lewis	West Virginia	Storage of excess spoil at crossings, parking
MVP-ATWS-433A	60.3	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-795	61.3	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-796	61.4	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-093A	63.9	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-436	65.5	Lewis	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-438	65.6	Lewis	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-100	67.5	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-101	67.5	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-100A	67.5	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-888	68.6	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-885	68.6	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-887	68.6	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-886	68.6	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-439	68.8	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-106	68.8	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-896	72.3	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-897	72.3	Braxton	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-110	72.4	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-111	72.5	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-111A	72.5	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-440	72.5	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-898	72.5	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-112A	72.7	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-800	73.4	Braxton	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-116	73.7	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-116A	73.7	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-441A	73.8	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-907	74.1	Braxton	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-909	74.8	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-118A	74.8	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-908	74.8	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-118	74.8	Braxton	West Virginia	Tractor trailer turn radius
MVP-ATWS-119	75.0	Braxton	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment and water storage

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-122A	76.3	Braxton	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-129	77.8	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-131A	78.2	Braxton	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-716A	81.8	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-716	81.8	Webster	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1035	83.2	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-922	83.8	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-930	86.3	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-933	88.8	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-935	88.8	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-934	88.8	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-941	90.3	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-942	90.3	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-151	90.7	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-151A	90.7	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-938	90.8	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-949	91.9	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-945	91.9	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-157	92.5	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-678	93.1	Webster	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-161	93.2	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1344	93.2	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-171C	97.7	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-171B	97.7	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-171A	97.7	Webster	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-452	98.7	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-454	98.9	Webster	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-454A	98.9	Webster	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-178A	104.1	Webster	West Virginia	Tractor trailer turn radius
MVP-ATWS-178B	104.1	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-179A	104.2	Webster	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-456	109.7	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-190	109.8	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-965	109.8	Nicholas	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-966	109.9	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-193A	111.0	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-195	111.1	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-194	111.1	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-196	112.7	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-197	112.9	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-550	114.3	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-201	114.7	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1314	114.8	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-585B	115.8	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-585A	115.8	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1050	116.2	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-208	116.6	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-210	116.9	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-211A	117.1	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-212	117.2	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-588	117.3	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-591	117.3	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-590	117.3	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-997	117.9	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-217	118.6	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, additional vehicle/equipment parking if required, hydrostatic equipment and water storage.
MVP-ATWS-217A	118.6	Nicholas	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, additional vehicle/equipment parking if required, hydrostatic equipment and water storage.
MVP-ATWS-998	118.7	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1345	119.9	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1007	119.9	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1005	119.9	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1002	119.9	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-223	119.9	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1358	119.9	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1359	120.0	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1009	123.0	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-1008	123.0	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-699	125.0	Nicholas	West Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-236	125.7	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-240B	126.5	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-241	126.6	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-247	130.1	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1023	131.0	Nicholas	West Virginia	Tractor trailer turn radius
MVP-ATWS-249	131.1	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-249A	131.1	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-252	132.0	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-253	132.1	Nicholas	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-258	136.4	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1186	138.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-674	143.0	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1192	143.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1195	143.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1194	143.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1193	143.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-273A	143.7	Greenbrier	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, additional vehicle/equipment parking if required, hydrostatic equipment and water storage.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-274A	143.8	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-275	145.8	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1350	146.7	Greenbrier	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-278A	146.7	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-283A	147.9	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-283	147.9	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-283B	147.9	Greenbrier	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-286A	149.6	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1200	150.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1198	150.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-682	150.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1199	150.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-1197	150.3	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-291A	154.5	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-605	154.5	Greenbrier	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-292A	156.6	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-292	156.6	Greenbrier	West Virginia	Tractor trailer turn radius
MVP-ATWS-713	161.3	Summers	West Virginia	Tractor trailer turn radius

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-301	162.5	Summers	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1178	165	Summers	West Virginia	Tractor trailer turn radius
MVP-ATWS-1179	165	Summers	West Virginia	Tractor trailer turn radius
MVP-ATWS-1176	165	Summers	West Virginia	Tractor trailer turn radius
MVP-ATWS-558	170.5	Summers	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-558A	170.5	Summers	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-559A	170.6	Summers	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, additional vehicle/equipment parking if required, hydrostatic equipment and water storage.
MVP-ATWS-312	171.0	Summers	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-312A	171.0	Summers	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-313	171.1	Summers	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-315A	171.8	Summers	West Virginia	Storage of excess spoil at crossings, parking
MVP-ATWS-317	172.4	Summers	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1082	175.9	Monroe	West Virginia	Tractor trailer turn radius
MVP-ATWS-1081	175.9	Monroe	West Virginia	Tractor trailer turn radius
MVP-ATWS-327A	176.5	Monroe	West Virginia	Tractor trailer turn radius
MVP-ATWS-331	181.7	Monroe	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-332	181.9	Monroe	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment and water storage.
MVP-ATWS-1315	183.2	Monroe	West Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1101	183.3	Monroe	West Virginia	Tractor trailer turn radius, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-336	184.4	Monroe	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-648	191	Monroe	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-648A	191.0	Monroe	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-658	193.5	Monroe	West Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1069	193.8	Monroe	West Virginia	Tractor trailer turn radius
MVP-ATWS-1068	193.8	Monroe	West Virginia	Tractor trailer turn radius
MVP-ATWS-1115	196.9	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1116	196.9	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1120	196.9	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1121	197.5	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1123	197.5	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1122	197.5	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-1129	198.3	Giles	Virginia	Tractor trailer turn radius
MVP-ATWS-339A	199.6	Giles	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1335	201.0	Giles	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-464	203.4	Giles	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1332	204.7	Giles	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-471	205.6	Giles	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1331	205.7	Giles	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1057	218.3	Montgomery	Virginia	Tractor trailer turn radius, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrostatic test equipment
MVP-ATWS-1154	223.4	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-1153	223.4	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-1155	223.8	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-669	223.8	Montgomery	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-670	223.9	Montgomery	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-670A	223.9	Montgomery	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1330	225.2	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-472A	225.2	Montgomery	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-473A	225.7	Montgomery	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-473	225.7	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-1160	225.9	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-1159	225.9	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-474	225.9	Montgomery	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1161	226.2	Montgomery	Virginia	Tractor trailer turn radius
MVP-ATWS-701	228.2	Montgomery	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-645	234.0	Montgomery	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-645A	234.0	Montgomery	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-1305	243.3	Roanoke	Virginia	Tractor trailer turn radius
MVP-ATWS-1306	243.3	Roanoke	Virginia	Tractor trailer turn radius
MVP-ATWS-1308	243.6	Roanoke	Virginia	Tractor trailer turn radius
MVP-ATWS-1307	243.6	Roanoke	Virginia	Tractor trailer turn radius
MVP-ATWS-954	244.0	Roanoke	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1039	245.1	Franklin	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1317	247.4	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1066	253.8	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-616	256.7	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-564	256.9	Franklin	Virginia	Tractor trailer turn radius
MVP-ATWS-568	257.9	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-516	258.9	Franklin	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-347	259.4	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-698A	260.8	Franklin	Virginia	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-571	260.8	Franklin	Virginia	Storage of excess spoil at crossings, Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-1362	262.8	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-1042	264.5	Franklin	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-714	264.8	Franklin	Virginia	Tractor trailer turn radius
MVP-ATWS-349	265.7	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-524A	266.3	Franklin	Virginia	Tractor trailer turn radius
MVP-ATWS-350	266.6	Franklin	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-693	266.6	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-354	268.1	Franklin	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-622	269.5	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-623	269.6	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1340	271.5	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1043	273.2	Franklin	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-530	273.2	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-533	274.6	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-374	277.7	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-540	279.3	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1364	279.9	Franklin	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required., hydrotest equipment
MVP-ATWS-486	281.6	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-388A	286.4	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-493	288.4	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-494	289.4	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-635	293.8	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-3 (continued)

Additional Temporary Workspaces within 50 Feet of Wetlands and Waterbodies for the Mountain Valley Project

Name	MP	County	State	Justification
MVP-ATWS-821	293.8	Pittsylvania	Virginia	Material staging to include but not limited to Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings
MVP-ATWS-626	294.4	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-628	294.5	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-630	294.6	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-629	294.6	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1321	297.3	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1320	297.3	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1322	298.6	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-1323	298.7	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-611	298.7	Pittsylvania	Virginia	Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-401A	299.1	Pittsylvania	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.
MVP-ATWS-401	299.1	Pittsylvania	Virginia	Storage of excess spoil at crossings, Material staging, which is anticipated to include, but not limited to, Sand Sacks, Sack Crete, Lumber Skids, Pipe Segments, Water Pumps, Rock-Shield, Timber Mats, Flume Pipe and Fittings, and additional vehicle/equipment parking if required.

APPENDIX D-4

Extra Workspaces Within 50 Feet of a Waterbody or Wetland

Equitrans Expansion Project

APPENDIX D-4

Additional Temporary Workspace within 50 Feet of Wetlands and Waterbodies for the Equitrans Expansion Project

Project Feature	MP	County	State	ATWS	ATWS Use	ATWS Length x Width a/	Wetland or Waterbody ID	Offset (feet)	Justification
Wetlands									
H-316	1.5	Greene	Pennsylvania	H316 ATWS 05	Laydown Area	2376' x 228'	W-AA8	0	ATWS is located in open field. Work Space to stage the pipe bending crew. Work will be done over timber mats to prevent compaction and rutting.
H-316	2.0	Greene	Pennsylvania	H316 ATWS 06	HDD Pullback	825' x 211'	W-AA9	0	Workspace needed for pipe stringing and pullback of the HDD section. Work will be done over timber mats to prevent compaction and rutting.
H-316	2.8-3.0	Greene	Pennsylvania	H316 ATWS 07	H-316 HDD Entrance Location/H-302 Hot Tap Location	Irregular Shape	W-M2,W-M3, W-M4, W-M5, W-M6	0 - 5	To allow adequate work space to construct the HDD activities, stage and conduct H-302 Hot Tap, and Launcher/Receiver. No impacts to wetlands are anticipated. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
H-318	2.8	Allegheny	Pennsylvania	H318 ATWS 05c	H-318 HDD Entrance Location	Irregular Shape	W-BB13	10	HDD Entrance Area. To allow adequate work space to construct the HDD activities and groundbed installation. No impacts to wetlands are anticipated. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.

APPENDIX D-4 (continued)

Additional Temporary Workspace within 50 Feet of Wetlands and Waterbodies for the Equitrans Expansion Project

Project Feature	MP	County	State	ATWS	ATWS Use	ATWS Length x Width a/	Wetland or Waterbody ID	Offset (feet)	Justification
H-319	0.0	Wetzel	West Virginia	H319 ATWS 01	Laydown Area	Irregular Shape	W-Z3A	11	To allow adequate space to stage materials and equipment for pipeline construction as well as maintain a buffer to S-A2A. The workspace is located in open field and limits tree disturbance. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
H-319	0.0	Wetzel	West Virginia	H319 ATWS 02	Hot Tap Workspace	Irregular Shape	W-Z3B	0	To allow adequate work space to construct the Hot Tap as well as maintain a buffer to S-A2A. Work will be done over timber mats to prevent compaction and rutting.
Redhook	N/A	Greene	Pennsylvania	Redhook ATWS 01	Laydown Area	Irregular Shape	W-AA1	5	To allow adequate space to stage materials and equipment for compressor station construction. Equitrans owns this workspace, previously used as yard in other Equitrans projects. No impact to the wetland will occur. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
Webster	N/A	Wetzel	West Virginia	Webster ATWS 01	Additional Workspace	625' x 82'	W-Z2	0	To allow adequate space to stage materials and equipment for work at the Webster Interconnect. Workspace is limited to the open area to avoid impacts on trees. Work will be done over timber mats to prevent compaction and rutting.

APPENDIX D-4 (continued)

Additional Temporary Workspace within 50 Feet of Wetlands and Waterbodies for the Equitrans Expansion Project

Project Feature	MP	County	State	ATWS	ATWS Use	ATWS Length x Width a/	Wetland or Waterbody ID	Offset (feet)	Justification
Waterbodies									
H-158/M-80	0.1	Greene	Pennsylvania	H-158/M-80 ATWS 01	Temporary Storage Area	Irregular Shape	S-AA1	0	Workspace is needed to allow adequate turning radius for equipment and material delivery. Stream impacts will be avoided by construction. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter; and any crossing of the stream will be done by timberman bridge.
H-158/M-80	0.1	Greene	Pennsylvania	H-158/M-80ATWS 02	Temporary Storage Area	Irregular Shape	S-AA1	10	Workspace is needed for pipe bending and staging area. Equitrans owns this workspace, previously used in other Equitrans projects. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
H-305	0.1	Greene	Pennsylvania	H305 ATWS 01	Laydown Area	Irregular Shape	SN-1	0	Work Space to tie into existing station. Stream impacts will be avoided by construction. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
H-316	2.8-3.0	Greene	Pennsylvania	H316 ATWS 07	H-316 HDD Entrance Location/H-302 Hot Tap Location	Irregular Shape	S-M1	2.4	To allow adequate work space to construct the HDD activities, stage and conduct H-302 Hot Tap, and Launcher/Receiver. Stream impacts will be avoided by construction. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.

APPENDIX D-4 (continued)

Additional Temporary Workspace within 50 Feet of Wetlands and Waterbodies for the Equitrans Expansion Project

Project Feature	MP	County	State	ATWS	ATWS Use	ATWS Length x Width a/	Wetland or Waterbody ID	Offset (feet)	Justification
H-318	1.7	Allegheny	Pennsylvania	H318 ATWS 02a, c, d	Additional Workspace	2a: 530' x 120' 2c: 130' x 50' 2d: 50' x 50'	S-BB3	10	Work Space to install the pipeline, and mitigate any slide issues if they would arise. Adequate workspace to conduct the dam and pump is limited by topography and adjacent roadways. Stream impacts within the ATWS will be avoided by construction. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
H-318	2.7	Allegheny	Pennsylvania	H318 ATWS 05a	Laydown Area	Irregular Shape	S-BB4	0	Workspace needed to conduct conventional road bore of Bunola River Road and sufficient workspace to conduct the dam and pump. Sediment barriers such as silt fence or compost filter sock will be installed around its south perimeter.
H-318	2.8	Allegheny	Pennsylvania	H318 ATWS 05c	H-318 HDD Entrance Location	Irregular Shape	S-BB4, S-BB6	0	HDD Entrance Area. To allow adequate work space to construct the HDD activities and groundbed installation. ATWS placement is constrained by Bunola River Road, adjacent Railroad, and topography to the south. No impacts to streams are anticipated with the exception of installation of the groundbed. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter, and any crossing will be made with a timber mat bridge.

APPENDIX D-4 (continued)

Additional Temporary Workspace within 50 Feet of Wetlands and Waterbodies for the Equitrans Expansion Project

Project Feature	MP	County	State	ATWS	ATWS Use	ATWS Length x Width a/	Wetland or Waterbody ID	Offset (feet)	Justification
Redhook	N/A	Greene	Pennsylvania	Redhook ATWS 01	Laydown Area	Irregular Shape	S-AA1	10	To allow adequate space to stage materials and equipment for compressor station construction. Equitrans owns this workspace, previously used as yard in other Equitrans projects.No impact to the stream will occur. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.
Webster	N/A	Wetzel	West Virginia	Webster ATWS 01	Additional Workspace	625' x 82'	S-A2A, S-A3A	0	To allow adequate space to stage materials and equipment for work at the Webster Interconnect. Workspace is limited to the open area to avoid impacts on trees. Work will be done over timber mats to prevent compaction and rutting. Sediment barriers such as silt fence or compost filter sock will be installed around its perimeter.

a/ Length and width estimates are approximate; no dimensions are provided if ATWS would be irregularly shaped.

APPENDIX E

Access Roads

APPENDIX E-1

Access Roads

Mountain Valley Project

APPENDIX E-1

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship a/	Type b/	Status c/	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
WEST VIRGINIA															
Wetzel County															
MVP-WE-001	0	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	25	25	40	15	Operations maintenance	N/A	89%	3.07
MVP-WE-002	0.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel to peak of steep slope.	N/A	100%	2.02
MVP-WE-003	0.7	P	Temp	N	Dirt	TBD	0.0	0	25	40	40	Access from county route to ATWS and road crossing	TBD	N/A	N/A
MVP-WE-004	0.8	P	Temp	N	Dirt	TBD	0.0	0	25	40	40	Access from county route to stream crossing at toe of slope	TBD	N/A	N/A
MVP-WE-005	1.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	25	25	40	15	Operations maintenance	N/A	75%	2.43

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WE-006	1.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Access to north side of stream crossings as well as toe of steep slope	N/A	75%	0.36
MVP-WE-007	1.4	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.1	0	25	40	40	Access to south side of stream crossing	N/A	N/A	N/A
MVP-WE-008	1.4	P	Perm	N	Dirt	New Construction	0.1	0	25	40	40	Operations maintenance	TBD	N/A	N/A
MVP-WE-008.01	1.5	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-WE-008.02	2.7	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	8	25	40	32	MLV2 Bradshaw CS	N/A	100%	3.85
MVP-WE-011	4.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	75%	1.75

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WE-012	4.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel. Access to mid-point of hill.	N/A	75%	1.00
MVP-WE-013	5.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	75%	1.43
MVP-WE-014	6.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	2.0	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	70%	6.85
MVP-WE-015	7.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	4.40
MVP-WE-016	8.7	P	Perm	E	Dirt/ Gravel	Roadway Widening, Grading, Stabilization	0.9	8	25	40	32	Operations maintenance	N/A	75%	3.22
Harrison County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-018	9.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	25	25	40	15	Operations maintenance	N/A	100%	4.36
MVP-HA-019	12.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.38
MVP-HA-020	13.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	100%	2.25
MVP-MLV-AR-03.01	15.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	8	25	40	32	MLV 3	permanent access to MLV 3	100%	0.08
MVP-HA-022	15.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	30%	0.44
WV-HA-023	15.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0		25	40	40	Mobilization of construction material. Safely ingress and egress of construction personnel		100%	0.06

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-04	15.5	P	Perm	N	Dirt	New Construction	0.2	0	25	40	40	MLV4	MLV4	N/A	N/A
MVP-HA-024	16	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.2	12	25	40	28	Operations maintenance	N/A	50%	2.86
MVP-HA-025	18.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.66
MVP-HA-026	19	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	N/A	78%	1.54
MVP-HA-027	20.7	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.1	0	25	40	40	N/a	N/A	N/A	N/A
MVP-HA-028	21.3	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-HA-029	22.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	40	25	40	0	Operations maintenance	N/A	100%	2.23

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-029.01	22.6	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.67
MVP-HA-031.01	23.7	P	Perm	N	Dirt	New Construction	0.2	0	25	40	40	Sherwood Int.	Sherwood Int.	N/A	N/A
MVP-HA-032	25	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Access road provides ridgetop access to the north side of US RT 50	N/A	50%	2.35

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-033	26.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel. Access road provides ridgetop access to south side of US RT 50	N/A	100%	2.03
MVP-HA-034	28.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-HA-035	29.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.51

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-036	29.5	P	Temp	N	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	N/A	N/A
MVP-HA-040	30.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-DO-041	31.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	N/A	40%	0.69
MVP-HA-041.01	32.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.17
MVP-HA-042	33	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-043	33.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Operations maintenance	N/A	50%	0.33
MVP-DO-044	34.1	P	Temp	N	Gravel	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A
Doddridge County															
MVP-DO-046	34.4	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-MLV-AR-05	34.51	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV5	permanent access to MLV 5	N/A	N/A
MVP-DO-047	34.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-DO-048	34.9	P	Perm	N	Dirt	New Construction	0.1	25	25	40	15	Entry of construction personnel, equipment, and material. Allows for access to public areas for emergency response if necessary. Improved work area safety		N/A	N/A
MVP-DO-049	35.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Operations maintenance	N/A	50%	0.34
MVP-HA-050	37.3	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.9	0	25	40	40	N/a	N/A	N/A	N/A
MVP-HA-051	38.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.34
Lewis County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-052	39.5	P	Temp	E		Roadway Widening, Grading, Stabilization	1.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel		90%	4.51
MVP-LE-054	40	P	Perm	N	Dirt	New Construction	0.5	0	25	40	40	Operations maintenance	N/A	N/A	N/A
MVP-LE-055	42	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides secluded ridgetop access	N/A	10%	0.29
MVP-LE-056	42.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel to north side of road crossing (9/5)	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-057	43.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	12	25	40	28	Operations maintenance	N/A	0%	0.00
MVP-LE-057.01	43.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.87
MVP-LE-057.02	43.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.73
MVP-LE-060	44.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Operations maintenance	N/A	0%	0.00
MVP-LE-061	44.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides access to top of steep slope.	N/A	10%	0.08

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-062	45.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.9	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	11%	0.48
MVP-LE-063	45.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	0.61
MVP-LE-064	45.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-LE-065	46	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.36
MVP-LE-066	46.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	25	25	40	15	Operations maintenance	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-066.01	46.7	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	2.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides ridgetop access	N/A	0%	0.00
MVP-LE-067	48	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.19
MVP-LE-068	48.1	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	8	25	40	32	Operations maintenance	N/A	50%	1.49
MVP-LE-069	50.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.18

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-069.01	50.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.07
MVP-LE-070	51.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.26
MVP-MLV-AR-006	53.06	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 6	TBD	TBD	TBD
MVP-LE-071	53.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Operations maintenance	N/A	25%	0.04
MVP-LE-072	53.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-073	55.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides necessary access to north side of road crossing	N/A	0%	0.00
MVP-LE-073.01	55.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Operations maintenance	N/A	50%	0.78
MVP-LE-073.02	55.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Operations maintenance	N/A	50%	0.25
MVP-LE-074	59.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	50%	1.23
MVP-LE-075	59.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	2.68

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-076	59.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides necessary access to the north side of interstate 79	N/A	30%	1.23
MVP-LE-077	60.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides necessary access to the north side of interstate 79	N/A	100%	0.74
MVP-LE-077.01	60.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	40%	3.29

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-077.02	61.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	4.82
MVP-LE-077.03	62.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	3.05
MVP-LE-083	63	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	100%	1.69
MVP-LE-084	65.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.78
MVP-MLV-AR-07	64.68	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 7	TBD	TBD	TBD
Braxton County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-08	65.7	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 8	TBD	TBD	TBD
MVP-BR-086	67.45	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	8	25	40	32	Operations maintenance	N/A	0%	0.00
MVP-BR-087	67.8	S	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.32
MVP-BR-088	68.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	2.20
MVP-BR-089.01	68.8	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-092.01	71.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.14
MVP-BR-095	72.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	15	25	40	25	Operations maintenance	N/A	10%	0.22
MVP-BR-094	72.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.35
MVP-BR-093	72	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.54
MVP-BR-097	72.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.90

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-096	72.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.51
MVP-BR-098	73.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.91
MVP-BR-099	73.9	P	Perm	N	TBD	TBD	0.1	18	25	40	22	Operations maintenance	TBD	N/A	N/A
MVP-BR-100	74.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.69
MVP-BR-101	74.5	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	50%	0.39

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-103	74.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.55
MVP-BR-104	76.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	50%	1.00
MVP-BR-104.01	76.8	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A
MVP-BR-105	77.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	10%	0.05
MVP-BR-105.01	77.5	P	Perm	N	Dirt	New Construction	0.3	0	25	40	40	MLV9 Harris CS	Permanent access to MLV9 Harris CS	N/A	N/A
MVP-BR-106	78	P	Perm	E	TBD	TBD	0.5	9	25	40	31	Operations maintenance	TBD		

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-ANC-001	79	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel into ancillary site	TBD	TBD	TBD
Webster County															
MVP-WB-107	80.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	6	25	40	34	Operations maintenance	N/A	50%	0.83
MVP-WB-111	81.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel to south side of wetland and stream crossings	N/A	50%	0.51
MVP-WB-113	82.1	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	Operations maintenance	N/A	N/A	N/A

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-114	82.4	P	Temp	E	Rock/ Dirt	Roadway Widening, Grading, Stabilization	0.8	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.92
MVP-WB-114.01	82.3	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	TBD	TBD
MVP-WB-116	83.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	2.46
MVP-WB-117	83.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.6	8	25	40	32	Operations maintenance	N/A	50%	3.91
MVP-WB-117.01	84	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.17

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-119	85.8	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	3.8	16	25	40	24	Operations maintenance	N/A	10%	1.83
MVP-WB-120	88.7	P	Perm	TBD	TBD	TBD	2.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-WB-121	90.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	3.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	1.45
MVP-WB-120.01	89.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	2.9	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	3.46
MVP-WB-122	90.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.39
MVP-WB-123	91.9	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	6.5	15	25	40	25	Operations maintenance	N/A	15%	4.69

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-125	92.7	S/P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	1.0	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	90%	4.23
MVP-WB-126	93.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel		10%	0.00
MVP-MLV-AR-010	93.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	MLV10	N/A		0.00
MVP-WB-126.01	95.4	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-WB-127	97.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.14

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-128	98.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	5	25	40	35	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.35
MVP-MLV-AR-11	98.3	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV 11	N/A	N/A	N/A
MVP-WB-129	98.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.39
MVP-MLV-AR-12	101.78	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 12	TBD	TBD	TBD
MVP-WB-130	101.8	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	70%	1.71
MVP-WB-131	103.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.24

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-131.01	103.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.31
MVP-WB-132	104.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides access to several miles of ridgetop.	N/A	25%	0.87
MVP-WB-133	107.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	6	25	40	34	Operations maintenance	N/A	50%	1.14
MVP-WB-134	109.4	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.49
Nicholas County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-136	109.8	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	20%	0.22
MVP-MLV-AR-13	111.1	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 13	TBD	TBD	TBD
MVP-NI-137	111.4	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-139	111.9	P	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-NI-140	112.2	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-141	112.7	P	Temp	E	Asphalt/ Gravel	Roadway Widening, Grading, Stabilization	0.8	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.81
MVP-NI-145	115.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	TBD		
MVP-NI-146	115.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	4.25
MVP-NI-147	116.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.44
MVP-NI-148	116.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.37

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-149	117.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	30	25	40	10	Operations maintenance	N/A	50%	1.32
MVP-NI-150	118.5	S	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.76
MVP-NI-151	118.7	P	Temp	TBD	TBD	TBD	1.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-152	119.1	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.2	0	25	40	40	N/a	N/A	N/A	N/A
MVP-NI-153	119.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.95
MVP-NI-154	119.9	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.0	15	25	40	25	MLV14	N/A	10%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-14	119.9	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	MLV14	N/A		0.00
MVP-NI-154.01	120	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel		10%	0.13
MVP-MLV-AR-14	119.9	P	Perm	TBD	TBD	TBD	2.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-155	122.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	75%	0.85
MVP-NI-156	123	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	5.7	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	27.76
MVP-NI-157	123.7	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Operations maintenance	N/A	60%	2.41

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-158	124.3	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.35
MVP-NI-158.01	125	P	Temp	E	Rock/ Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	40%	0.36
MVP-NI-160	126.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	30	25	40	10	Operations maintenance	N/A	100%	2.03
MVP-NI-159	126.3	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	3.5	30	25	40	10	Operations maintenance	N/A	100%	17.01
MVP-NI-159.01	125.5	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	1.1	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	4.02

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-160.01	126.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	40	25	40	0	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.34
MVP-NI-161	126.7	P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	1.6	30	25	40	10	Operations maintenance	N/A	50%	3.77
MVP-NI-163	128.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.14
MVP-NI-164	128.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.82
MVP-NI-166	130.1	S/P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.5	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-167	130.6	P	Temp	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-168	131	P	Perm	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Operations maintenance	N/A	TBD	TBD
MVP-NI-170	131.7	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	90%	1.73
MVP-NI-171	132.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.59
MVP-NI-172	133.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	25%	0.06
Greenbrier County															
MVP-GB-174	135.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.01

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-174.01	136	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.08
MVP-GB-176	137.2	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.35
MVP-GB-177	138.3	P	Temp	E	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.26
MVP-MLV-AR-15	138.35	S/P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	MLV15	N/A		0.00
MVP-GB-178	139.5	P	Temp	TBD	TBD	TBD	3.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-179	140	P	Temp	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MLV-AR-16	140.5	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 16	TBD	TBD	TBD
MVP-GB-182	142.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	30%	2.46
MVP-GB-183	143.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel to north side of highway 60 crossing and river crossing			
MVP-MLV-AR-17	143.61	P	Perm	TBD	TBD	TBD	0.2	TBD	25	40	TBD	MLV17	N/A	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-18	143.82	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	20	25	40	20	MLV 18	N/A		0.00
MVP-GB-184	145	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.86
MVP-GB-185	146.7	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.07
MVP-GB-186	146.8	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	50%	0.22
MVP-GB-187	148.2	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	25%	0.27
MVP-GB-187.01	147.8	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.83

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-187.02	147.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A		
MVP-GB-187.03	147.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A		
MVP-GB-188	148.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	50%	0.92
MVP-GB-189	149.6	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-GB-190	150.3	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Operations maintenance	N/A	90%	2.70
MVP-GB-190.01	154.1	P	Perm	N	Dirt	New Construction	0.4	0	25	40	40	MLV19 / Stallworth CS	Permanent access for MLV 19 and Stallworth Compressor Station	N/A	N/A

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-193	155.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD		
MVP-GB-194	156.1	S/P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-GB-196	156.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.21
Summers County															
MVP-SU-195	156.9	S/P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	10%	0.23
MVP-SU-197	158.4	P	Perm	N	Dirt	New Construction	0.1	0	25	40	40	Operations maintenance	N/A	N/A	N/A
MVP-SU-198	160.8	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	1.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	7.30

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-SU-199	161.3	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	2.0	20	25	40	20	Operations maintenance	N/A	50%	4.74
MVP-SU-200	162.5	P	Temp	TBD	TBD	TBD	1.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-SU-201	165	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	5.94
MVP-SU-202	165.6	P	Perm	TBD	TBD	TBD	0.8	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-SU-203	169.9	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.09
MVP-SU-205	170.5	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-20	170.9	P	Perm	N	TBD	New Construction	0.0	TBD	25	40	TBD	MLV20	Permanent access to MLV20		
MVP-MLV-AR-21	171.1	P	Perm	N	TBD	New Construction	0.0	TBD	25	40	TBD	MLV 21	Permanent access to MLV21		
MVP-SU-207	170.25		Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-SU-208	171.3	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-SU-208.01	171.5	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
Monroe County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-210	173.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.4	10	25	40	30	Operations maintenance	N/A	50%	3.
MVP-MO-211	175.2	S	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-212	175.9	P	Temp	TBD	TBD	TBD	1.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-213	176.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.4	10	25	40	30	Operations maintenance	N/A	70%	4.61
MVP-MO-214	176.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.76
MVP-MO-215	176.9	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-216	178.3	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-217	179.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	25%	0.44
MVP-MO-218	181.5	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-219		P	Temp	TBD	TBD	TBD			25	40					
MVP-MO-220	183.3	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-221	184.3	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-222	184.6	P	Perm	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-223	184.8	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MLV-AR-22	185.2	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV-22	TBD	TBD	TBD
MVP-MO-224	185.4	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-225	186.2	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-226	186.7	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-227	187.4	S	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-228	189.7	P	Perm	TBD	TBD	TBD	0.9	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-230	191.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.47
MVP-MO-231.01	193.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.50
VIRGINIA															
Giles County															
MVP-GI-232	196.9	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	6.3	12	25	40	28	Operations maintenance	N/A	10%	3.03

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-233	197.5	P	Temp	E	Rock	Roadway Widening, Grading, Stabilization	0.8	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides required access to south side of the Appalachian Trail Crossing	N/A	25%	0.91
MVP-GI-234	197.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	11	25	40	29	Operations maintenance	N/A	60%	1.40
MVP-GI-235	198.2	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.4	11	25	40	29	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	1.29
MVP-GI-236	198.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	11	25	40	29	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.56

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-23	198.46	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV-23	TBD	TBD	TBD
MVP-GI-237	198.8	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	70%	1.87
MVP-GI-238	199.6	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Operations maintenance	N/A	10%	0.39
MVP-MLV-AR-24	200.5	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	MLV-24	TBD	TBD	TBD
MVP-GI-239	200.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.05
MVP-GI-240	200.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	18	25	40	22	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.21

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-241	201.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.23
MVP-GI-242	206.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.02
MVP-GI-243	207	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-243.01	207.2	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	75%	2.26
MVP-GI-244	207.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.11

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-245.01	208.2	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-GI-245.02	208.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	1.40
MVP-GI-245.03	209	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-GI-249	209.9	P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Operations maintenance	TBD	10%	0.03
MVP-GI-249.01	210	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-249.02	210.3	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MLV-AR-25	211.11	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV25	N/A	TBD	TBD
MVP-GI-253.01	211.7	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.77
MVP-GI-253.02	212.4	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-GI-256	213.1	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.9	9	25	40	31	Operations maintenance	TBD	25%	1.14
Craig County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-CR-258.01	215.6	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-CR-258.02	216.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.88
Montgomery County															
MVP-MN-258.03	218.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.13
MVP-MN-258.04	218.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.25

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-258.05	218.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.12
MVP-MN-260	221.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.06
MVP-MN-261	221.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.32
MVP-MN-262	221.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel		25%	0.01
MVP-MLV-AR-26	222.11	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	MLV26	Permanent access to MLV26	25%	0.81

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-263	223.4	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MN-264	223.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	1.00
MVP-MN-265	224	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.20
MVP-MN-266	224.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	2.14
MVP-MN-266.01	225.2	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-267	225.2	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Operations maintenance	TBD	10%	0.02
MVP-MN-268	225.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	TBD	100%	1.87
MVP-MN-269	226.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.82
MVP-MN-270	227	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-271	227.7	P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	0.1	6.5	25	40	34	Operations maintenance	TBD	10%	0.07
MVP-MN-272	228.3	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-273	228.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Operations maintenance	TBD	75%	1.12
MVP-MN-274	229.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.11
MVP-MN-274.01	229.1	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-275	229.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Operations maintenance	TBD	25%	0.14
MVP-MN-276	230	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	2.3	12	25	40	28	Operations maintenance	TBD	15%	1.67
MVP-MN-276.01	230	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	2.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	2.57

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-ANC-002	231.3	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-277	232.4	P	Perm	TBD	TBD	TBD	1.0	TBD	25	40	TBD	Operations maintenance and access to north side of i-81 crossing	TBD	TBD	TBD
MVP-MN-278	233.5		Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-279	233.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	TBD	15%	0.37
MVP-MLV-AR-27	233.55	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	MLV27	N/A	TBD	TBD
MVP-MLV-AR-028	234.5	P	Perm	TBD	TBD	TBD	1.0	TBD	25	40	TBD	MLV-28	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-278.01	235.5	P	Temp	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
Roanoke County															
MVP-RO-279.01	237.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	100%	1.99
MVP-RO-280	238.5	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.7	18	25	40	22	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.76
MVP-RO-281	239.1	P	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-RO-282	239.6	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-RO-283	240.5	P	Perm	TBD	TBD	TBD	0.9	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-285	242.2	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-RO-286	242.4	P	Perm	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-287	243.3	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-288	243.6	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
Franklin County															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-289	244.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.91
MVP-FR-290	245.1	P	Perm	N	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Operations maintenance	N/A	N/A	N/A
MVP-FR-291	246.2	P	Temp	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-292	246.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.50
MVP-FR-293	247.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.03

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-29	247.13	P	Perm	E/N	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.0	15	25	40	25	MLV29	Permanent access to MLV29	50%	0.08
MVP-FR-293.01	248.6	S	Perm	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-293.02	251.8	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-294	253.5	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-295	255.3	S/P	Temp	TBD	TBD	TBD	1.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-296	256.4	P	Perm	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MLV-AR-30	256.7	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 30	TBD	TBD	TBD
MVP-FR-297	256.9	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-299	257.9	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-300	258.4	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	40	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.74

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-301	258.9	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-302	259.2	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	Operations maintenance	TBD	N/A	N/A
MVP-FR-303	259.4	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-303.01	259.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.55
MVP-FR-305	261.2	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-306	261.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.07
MVP-MLV-AR-31	262.4	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	MLV 31	TBD	TBD	TBD
MVP-FR-307	263.3	P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	50%	0.45
MVP-FR-308	264.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.12
MVP-FR-308.01	264.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.22

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-309A (same as 309.02)	264.5	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.19
MVP-FR-309	264.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.16
MVP-FR-309.01	264.6	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.29
MVP-FR-310	265.9	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	80%	1.23
MVP-FR-311	266.3	P	Temp	E	Asphalt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-312	266.6	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.0	13	25	40	27	N/a	N/A	N/A	N/A
MVP-MLV-AR-32	266.62	P	Perm	N	Dirt	New Construction	0.1	12	25	40	28	MLV32	Permanent access to MLV32	N/A	N/A
MVP-FR-313	267.3	S/P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Operations maintenance	N/A	20%	0.69
MVP-FR-314	269.1	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.34
MVP-FR-315	269.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	25%	0.30
MVP-FR-316	270.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.20

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-317	272	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.06
MVP-FR-318	273.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.41
MVP-FR-319	274.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.09
MVP-AR-319.01	273.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.14

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-320	275	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.20
MVP-FR-321	275.8	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	10%	0.16
MVP-FR-322	276.8	S	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24
MVP-FR-323	277.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24
MVP-MLV-AR-33	280.8	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 33	TBD	TBD	TBD
MVP-FR-324	281	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	25%	0.22

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
Pittsylvania County															
MVP-PI-325	282.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	14	25	40	26	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.14
MVP-PI-326	283.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	50%	0.28
MVP-PI-328	285.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.11
MVP-PI-331	286.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.19

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-PI-330	286.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.78
MVP-PI-329	286.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.39
MVP-PI-332	287.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.07
MVP-MLV-AR-34	293.4	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV34	N/A	TBD	TBD
MVP-PI-336	293.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	25%	0.24
MVP-PI-337	295	P	Perm	E	Asphalt/ Gravel	Roadway Widening, Grading, Stabilization	0.1	14	25	40	26	Operations maintenance	N/A	10%	0.07
MVP-PI-338	295.4	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	8	25	40	32	Operations maintenance	N/A	50%	0.79

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-35		P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV35	TBD	TBD	TBD
MVP-PI-339	296.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	14	25	40	26	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.45
MVP-PI-340	297.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	14	25	40	26	Operations maintenance	N/A	25%	0.21
MVP-PI-342	300.8	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	18	25	40	22	Transco Interconnect	TBD	10%	0.16
MVP-PI-342.01	301	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Transco Interconnect/ MLV 36	TBD	100%	0.27

Note: Roads identified with a status of "TBD" have been identified for potential use; however, surveys have not been able to be performed due to landowner access restrictions. Information on these roads will be provided when available.

a/ P = Private, S = State, S/P = State/Private

b/ Perm = Permanent, Temp = Temporary

c/ E = Existing, N = New, E/N = Existing/New

APPENDIX E-2

Access Roads

Equitrans Expansion Project

APPENDIX E-2

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Owner-ship a/	Type b/	Status c/	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
PENNSYLVANIA																
Greene County																
H158	H158 M80 AR 01	0.0	P	Temp	E	Gravel	Add stone and widen	413	15	25	25	-	None	0.2	Pasture/Hay	-
H158/M80	H158 M80 AR 02	0.1	P	Temp	N	Gravel	Add stone and widen	559	10	25	25	-	None	0.0	Deciduous Forest	-
														0.2	Developed, Open Space	
														0.1	Pasture/Hay	
H305	H305 AR 01	0.1	P	Perm	E	Gravel	Add stone and widen	907	20	25	25	-	None	0.3	Deciduous Forest	Permanent road to H305 Receiver Site
														0.2	Pasture/Hay	
H316	H316 AR 01	0.1	P	Temp	N	Grass / Gravel	Add stone for construction entrance	313	0	20	25	-	None	0.1	Developed, Open Space	-
														0.1	Pasture/Hay	
H316	H316 AR 02	0.2	P	Temp	N	Gravel	Add stone when needed	159	10	20	25	-	None	0.0	Developed, Open Space	-
H316	H316 AR 03	0.7	P	Perm	E	Grass / Gravel	Add stone and widen	783	15	25	25	-	10' of stone	0.2	Cultivated Crops	Permanent road to rectifier site.
														0.0	Developed, Low Intensity	
														0.1	Developed, Open Space	
														0.2	Pasture/Hay	
H316	H316 AR 04	0.9	P	Temp	E	Paved / Gravel/ Grass	ROW will be built for pipe installation.	522	15	20	25	None	None	0.3	Developed, Low Intensity	-
														0.0	Developed, Open Space	
H316	H316 AR 05a	1.5	P	Temp	E	Grass / Dirt	ROW will be built for pipe installation.	782	10	25	20	None	None	0.2	Developed, Open Space	-
														0.2	Pasture/Hay	

APPENDIX E-2 (continued)

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Owner-ship a/	Type b/	Status c/	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
H316	H316 AR 05b	1.5	P	Temp	N	Grass / Dirt	ROW will be built for pipe installation.	1,066	0	25	20	None	None	0.5	Deciduous Forest	-
														0.0	Grassland/Herbaceous	
														0.0	Pasture/Hay	
H316	H316 AR 06a	2.0	P	Temp	E	Grass / Gravel /Dirt	Add stone and widen	242	10	25	25	None	None	0.0	Deciduous Forest	-
														0.1	Developed, Open Space	
														0.1	Pasture/Hay	
H316	H316 AR 06b	2.0	P	Temp	N	Grass / Gravel /Dirt	Add stone and widen	281	0	25	25	None	None	0.1	Deciduous Forest	-
														0.0	Developed, Open Space	
														0.1	Pasture/Hay	
H316	H316 AR 07a	2.8	P	Perm	E	Grass / Gravel	Add stone and widen	2,579	15	25	20	None	10' of stone	0.4	Deciduous Forest	Permanent road to receiver Site.
														0.0	Developed, Open Space	
														0.6	Pasture/Hay	
H316	H316 AR 07b	2.8	P	Temp	N	Grass / Gravel	Add stone and widen	607	15	25	20	None	10' of stone	0.1	Deciduous Forest	
														0.2	Pasture/Hay	
H316	H316 AR 08	N/A	P	Temp	N	Gravel	Add stone when needed	322	0	25	25	None	None	0.1	Cultivated Crops	-
														0.1	Pasture/Hay	
Allegheny County																
H318	H318 AR 01	0.0	P	Temp	E	Gravel	Add stone when needed	2,785	15	25	25	None	None	1.6	Deciduous Forest	-
														0.0	Developed, Open Space	
H318	H318 AR 02a	0.7	P	Temp	N	Grass / Gravel	Add stone when needed	92	0	25	25	None	None	0.0	Developed, Open Space	-
														0.0	Pasture/Hay	

APPENDIX E-2 (continued)

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Owner-ship a/	Type b/	Status c/	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
H318	H318 AR 02b	0.7	P	Temp	N	Grass / Gravel	Add stone when needed	69	0	25	25	None	None	0.0	Developed, Open Space	-
H318	H318 AR 03	1, 1.1	P	Temp	E	Paved	Add stone when needed	1,019	15	25	25	None	None	0.3	Deciduous Forest	-
														0.2	Developed, Open Space	
Washington County																
H318	H318 AR 04a	1.9	P	Temp	N	Wooded / Grass	None	780	0	25	25	None	None	0.3	Deciduous Forest	-
														0.2	Pasture/Hay	
H318	H318 AR 04b b/	1.9	T	Temp	E	Wooded / Grass	Pending	1,238	15	25	0	None	None	N/A	N/A	-
H318	H318 AR 05	3.5	P	Temp	E	Paved	None	414	10	15	15	None	None	0.1	Deciduous Forest	-
														0.0	Developed, Open Space	
H318	H318 AR 06	3.6	P	Temp	E	Gravel, Grass	None	857	10	25	25	None	None	0.0	Deciduous Forest	-
														0.2	Developed, Open Space	
														0.1	Grassland/Herbaceous	
														0.2	Pasture/Hay	
H318	H318 AR 07	4.3	P	Temp	E	Gravel	Add stone when needed	426	15	25	25	None	None	0.1	Cultivated Crops	-
														0.0	Pasture/Hay	
H318	H318 AR08	4.3	P	Temp	E	Paved	Add stone when needed	890	0	25	0	None	None	0.1	Developed, Low Intensity	-
														0.4	Developed, Open Space	

APPENDIX E-2 (continued)

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Owner-ship a/	Type b/	Status c/	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
WEST VIRGINIA																
Wetzel County																
H319	H319 AR 01	0.0	P	Perm	E	Gravel	Add stone and widen	129	10	25	25	None	None	0.0	Deciduous Forest	Access to tap valve set
Webster Interconnect	Webster AR 01	N/A	P	Perm	E	Gravel	Add stone and widen	50	10	25	20	None	None	0.0	Developed, Open Space	Entrance to Webster Interconnect site
Webster Interconnect	Webster AR 02	N/A	P	Perm	E	Gravel	Add stone and widen	60	0	25	20	None	None	0.0	Deciduous Forest	Exit from Webster Interconnect site
														0.0	Developed, Open Space	
Webster Interconnect	Webster AR 03	N/A	P	Temp	N	Grass	Build Complete Road	204	0	25	20	None	None	0.0	Deciduous Forest	-
														0.1	Developed, Open Space	

ROW = right-of-way
N/A = Not Applicable
a/ P = Private, T = Township
b/ Perm = Permanent, Temp = Temporary
c/ E = Existing, N = New

APPENDIX F

Waterbodies Crossed by the Projects

APPENDIX F-1

Waterbodies Crossed by the Projects

Mountain Valley Project

APPENDIX F-1

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
WEST VIRGINIA																	
Wetzel																	
S-J64	UNT to North Fork Fishing Creek	0.5	Int	RPW	4.0		0.0		ATWS	MVP-ATWS-734A	MVP-WE-002	OCDD	Minor	-	-	-	-
S-A1a	North Fork Fishing Creek	0.7	Per	RPW	35.0	37.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A	WW M	-	April 1 - June 30
S-A1a	North Fork Fishing Creek	0.7	Per	RPW	35.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A	WW M	-	April 1 - June 30
S-A3a	UNT to North Fork Fishing Creek	0.8	Int	RPW	9.0		<0.1		Access Roads Work Space Temp.	MVP-WE-004	WE-AR-0.6	OCDD	Minor	-	-	-	-
S-A3a	UNT to North Fork Fishing Creek	0.8	Int	RPW	9.0	9.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A3a	UNT to North Fork Fishing Creek	0.8	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J66	UNT to North Fork Fishing Creek	1.3	Int	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-WE-006	WE-AR-1.1	OCDD	Minor	-	-	-	-
S-J66	UNT to North Fork Fishing Creek	1.3	Int	RPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J66	UNT to North Fork Fishing Creek	1.3	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J65	UNT to North Fork Fishing Creek	1.4	Per	RPW	7.0		<0.1		Access Roads Work Space Temp.	MVP-WE-007	WE-AR-1.3	OCDD	Minor	-	-	-	-
S-J65	UNT to North Fork Fishing Creek	1.4	Per	RPW	7.0		<0.1		Access Roads Work Space Temp.	MVP-WE-006	WE-AR-1.1	OCDD	Minor	-	-	-	-
S-J65	UNT to North Fork Fishing Creek	1.4	Per	RPW	7.0		<0.1		ATWS	MVP-ATWS-737	MVP-WE-007	OCDD	Minor	-	-	-	-
S-J65	UNT to North Fork Fishing Creek	1.4	Per	RPW	7.0		<0.1		ATWS	MVP-ATWS-737A	MVP-WE-007	OCDD	Minor	-	-	-	-
S-A5a	UNT to Fallen Timber Run	2.3	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A5a	UNT to Fallen Timber Run	2.3	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A6a	Fallen Timber Run	2.4	Per	RPW	20.0	20.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A6a	Fallen Timber Run	2.4	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-BB11	UNT to Fallen Timber Run	2.8	Per	RPW	15.0			<0.1	CS Temp.	Bradshaw CS Fence	CS	OCDD	Inter-mediate	-	-	-	-
S-BB2	UNT to Fallen Timber Run	2.8	Per	RPW	15.0			<0.1	CS Temp.	Bradshaw CS Fence	CS	OCDD	Inter-mediate	-	-	-	-
S-AA3	UNT to Fallen Timber Run	2.8	Per	RPW	8.0			0.0	CS Temp.	Bradshaw CS Fence	CS	OCDD	Minor	-	-	-	-
S-BB6	UNT to Fallen Timber Run	2.8	Per	RPW	5.0			<0.1	CS Temp.	Bradshaw CS Fence	CS	OCDD	Minor	-	-	-	-
S-BB10	UNT to Fallen Timber Run	2.8	Per	RPW	4.0			<0.1	CS Temp.	Bradshaw CS Fence	CS	OCDD	Minor	-	-	-	-
S-BB8	UNT to Fallen Timber Run	2.8	Per	RPW	4.0			<0.1	CS Temp.	Bradshaw CS Fence	CS	OCDD	Minor	-	-	-	-
S-BB9	UNT to Fallen Timber Run	2.8	Per	RPW	4.0			0.0	CS Temp.	Bradshaw CS Fence	CS	OCDD	Minor	-	-	-	-
S-A126	UNT to Price Run	5.0	Eph	NRPW	3.0		<0.1		ATWS	MVP-ATWS-006	N/A	OCDD	Minor	-	-	-	-
S-A125	Price Run	5.1	Per	RPW	35.0	36.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A125	Price Run	5.1	Per	RPW	35.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A124	UNT to Price Run	5.1	Int	RPW	12.0	13.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A124	UNT to Price Run	5.1	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-A115	Price Run	5.5	Per	RPW	30.0			<0.1	Access Road Perm.	MVP-WE-013	WE-AR-5.1	OCDD	Inter-mediate	-	-	-	-
S-A116	UNT to Price Run	5.5	Int	RPW	8.0			<0.1	Access Road Perm.	MVP-WE-013	WE-AR-5.1	OCDD	Minor	-	-	-	-
S-A117	UNT to Price Run	5.6	Int	RPW	8.0			<0.1	Access Road Perm.	MVP-WE-013	WE-AR-5.1	OCDD	Minor	-	-	-	-
S-A118	UNT to Price Run	5.6	Int	RPW	6.0	6.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A118	UNT to Price Run	5.6	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A120	UNT to Stout Run	6.6	Int	RPW	6.0	8.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A120	UNT to Stout Run	6.6	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A119	UNT to Stout Run	6.7	Int	RPW	5.0	8.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A119	UNT to Stout Run	6.7	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A114	UNT to Sams Run	7.3	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WE-015	WE-AR-6.8	OCDD	Minor	-	-	-	-
S-A113	UNT to South Fork Fishing Creek	7.7	Int	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-WE-015	WE-AR-6.8	OCDD	Minor	-	-	-	-
S-A113	UNT to South Fork Fishing Creek	7.7	Int	RPW	6.0		<0.1		ATWS	MVP-ATWS-750	MVP-WE-015	OCDD	Minor	-	-	-	-
S-J60	Sams Run	8.0	Per	RPW	14.0	14.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-J60	Sams Run	8.0	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-J58	UNT to Manion Run	8.8	Per	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-WE-016.02	WE-AR-8.5/ MVP-WE-017	OCDD	Minor	-	-	-	-
S-J59	UNT to Manion Run	8.8	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WE-016.02	WE-AR-8.5/ MVP-WE-017	OCDD	Minor	-	-	-	-
S-J56	Manion Run	8.9	Per	RPW	10.0		0.1		Access Roads Work Space Temp.	MVP-WE-016	MVP-WE-016.01/ WE-AR-8.6A	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J56	Manion Run	8.9	Per	RPW	10.0	10.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J56	Manion Run	8.9	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J61	UNT to Manion Run	8.9	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-WE-016.02	WE-AR-8.5/ MVP-WE-017	OCDD	Minor	-	-	-	-
Harrison																	
S-J62	Right Fork Big Elk Creek	11.3	Per	RPW	8.0	8.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J62	Right Fork Big Elk Creek	11.3	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F49/ S-B75	UNT to Goose Run	12.1	Int	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-HA-019	HA-AR-10.7	OCDD	Minor	-	-	-	-
S-F49/ S-B75	UNT to Goose Run	12.2	Int	RPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B74	Goose Run	12.2	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B74	Goose Run	12.2	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F49/ S-B75	UNT to Goose Run	12.2	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B79	UNT to Big Elk Creek	13.4	Eph	NRPW	1.5			0.0	Access Road Perm.	MVP-HA-020	HA-AR-12.8	OCDD	Minor	-	-	-	-
S-B78	UNT to Big Elk Creek	13.8	Eph	NRPW	1.5			0.0	Access Road Perm.	MVP-HA-020	HA-AR-12.8	OCDD	Minor	-	-	-	-
S-J54	UNT to Little Tenmile Creek	15.3	Int	RPW	8.0			<0.1	Access Road Perm.	MVP-MLV-AR-04	HA-AR-14.9/MVP-HA-023	OCDD	Minor	-	-	-	-
S-PP8	UNT to Jones Creek	15.4	Per	RPW	5.0		0.1		Ancillary Sites Temp.	MVP-LY-002	Pipe Yard / Proposed Laydown Yard	OCDD	Minor	-	-	-	-
S-B80/ S-J50	UNT to Little Tenmile Creek	15.4	Eph	NRPW	3.0			0.0	Access Road Perm.	MVP-HA-022	HA-AR-14.7	OCDD	Minor	-	-	-	-
S-J51	Little Tenmile Creek	15.5	Per	RPW	30.0	30.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-J51	Little Tenmile Creek	15.5	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-RR21	UNT to Jake Run	15.6	Int	RPW	6.0			<0.1	Access Road Perm.	MVP-HA-024	HA-AR-15.9	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A10a	Little Rockcamp Run	17.8	Per	RPW	12.0	12.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A10a	Little Rockcamp Run	17.8	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-B3a	Rockcamp Run	18.8	Per	RPW	20.0	26.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-B3a	Rockcamp Run	18.8	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-B2a	UNT to Rockcamp Run	18.8	Eph	NRPW	8.0	8.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B2a	UNT to Rockcamp Run	18.8	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A128	Rockcamp Run	18.9	Int	RPW	48.0			<0.1	Access Road Perm.	MVP-HA-026	HA-AR-18.3	OCDD	Inter-mediate	-	-	-	-
S-A129	UNT to Rockcamp Run	18.9	Int	RPW	14.0			<0.1	Access Road Perm.	MVP-HA-026	HA-AR-18.3	OCDD	Inter-mediate	-	-	-	-
S-RR22	Grass Run	20.9	Per	RPW	12.0	12.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-RR22	Grass Run	20.9	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A11a	UNT to Grass Run	21.7	Per	RPW	12.0	13.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A11a	UNT to Grass Run	21.7	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-A11a Braid 1	UNT to Grass Run	21.7	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A11a Braid 2	UNT to Grass Run	21.7	Int	RPW	5.0	12.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A11a Braid 2	UNT to Grass Run	21.7	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F55	UNT to Indian Run	22.4	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-HA-029	HA-AR-21.5	OCDD	Minor	-	-	-	-
S-F52	UNT to Indian Run	22.5	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-HA-029	HA-AR-21.5	OCDD	Minor	-	-	-	-
S-F53	UNT to Indian Run	22.5	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-HA-029	HA-AR-21.5	OCDD	Minor	-	-	-	-
S-F54	UNT to Indian Run	22.5	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-HA-029	HA-AR-21.5	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F51	UNT to Indian Run	22.6	Eph	NRPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-HA-029	HA-AR-21.5	OCDD	Minor	-	-	-	-
S-B6a	Indian Run	23.1	Per	RPW	30.0	34.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-B6a	Indian Run	23.1	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-B7a	UNT to Indian Run	23.1	Int	RPW	4.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B7a	UNT to Indian Run	23.1	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-UU3	Salem Fork	26.0	Per	RPW	60.0	60.9 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-UU3	Salem Fork	26.0	Per	RPW	60.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-UU5	UNT to Raccoon Run	30.2	Per	RPW	4.0	4.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-UU5	UNT to Raccoon Run	30.2	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F48	UNT to Halls Run	30.9	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-HA-040	HA-AR-29.7	OCDD	Minor	-	-	-	-
S-K73	Coburn Fork	31.4	Per	RPW	5.0	6.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K73	Coburn Fork	31.4	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K75	UNT to Coben Fork	31.4	Int	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K75	UNT to Coben Fork	31.4	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K74	UNT to Coben Fork	31.4	Eph	NRPW	2.5			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K74	UNT to Coben Fork	31.4	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Doddridge																	
S-K77	Tenmile Creek	32.5	Int	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K77	Tenmile Creek	32.6	Int	RPW	4.0	4.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K78	UNT to Tenmile Creek	32.7	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K78	UNT to Tenmile Creek	32.7	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Harrison																	
S-K80	UNT to Tenmile Creek	32.8	Int	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K80	UNT to Tenmile Creek	32.8	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K81	UNT to Tenmile Creek	32.9	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-2	UNT to Turtletree Fork	33.0	Eph	NRPW	7.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-2	UNT to Turtletree Fork	33.0	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-3	UNT to Turtletree Fork	33.0	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-K81	Turtletree Fork	33.1	Per	RPW	4.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-K81	Turtletree Fork	33.1	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-4	UNT to Turtletree Fork	33.1	Int	RPW	3.0		0.0		ATWS	MVP-ATWS-052	N/A	OCDD	Minor	-	-	-	-
TTWV-S-4	UNT to Turtletree Fork	33.1	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-4	UNT to Turtletree Fork	33.1	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Doddridge																	
S-UU6	UNT to Big Isaac Creek	34.1	Eph	NRPW	8.0		<0.1		ATWS	MVP-ATWS-771A	MVP-DO-044	OCDD	Minor	-	-	-	-
S-K69/ S-K70	UNT to Big Isaac Creek	34.1	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-DO-044	DO-AR-32.8	OCDD	Minor	-	-	-	-
S-K69/ S-K70	UNT to Big Isaac Creek	34.1	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-DO-044	DO-AR-32.8	OCDD	Minor	-	-	-	-
S-K67	UNT to Big Isaac Creek	34.3	Int	RPW	10.0	10.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K67	UNT to Big Isaac Creek	34.3	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K65	UNT to Big Isaac Creek	34.3	Int	RPW	8.0	8.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K65	UNT to Big Isaac Creek	34.3	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K63	UNT to Big Isaac Creek	34.4	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K63	UNT to Big Isaac Creek	34.4	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K71	UNT to Big Isaac Creek	34.5	Int	RPW	9.0		<0.1		Access Roads Work Space Temp.	MVP-DO-046	DO-AR-33.4	OCDD	Minor	-	-	-	-
S-K54	UNT to Big Isaac Creek	34.5	Int	RPW	7.0	7.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K54	UNT to Big Isaac Creek	34.5	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K55	UNT to Big Isaac Creek	34.5	Eph	NRPW	5.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K55	UNT to Big Isaac Creek	34.5	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K58	UNT to Big Isaac Creek	34.6	Eph	NRPW	2.5	2.5		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K58	UNT to Big Isaac Creek	34.6	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K72	UNT to Big Isaac Creek	34.7	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-DO-047	DO-AR-34.5(ALT)	OCDD	Minor	-	-	-	-
S-K72	UNT to Big Isaac Creek	34.7	Int	RPW	5.0		0.0		ATWS	MVP-ATWS-776	MVP-DO-047	OCDD	Minor	-	-	-	-
S-K59	UNT to Big Isaac Creek	34.7	Eph	NRPW	2.5		0.0		Access Roads Work Space Temp.	MVP-DO-047	DO-AR-34.5(ALT)	OCDD	Minor	-	-	-	-
S-K59	UNT to Big Isaac Creek	34.7	Eph	NRPW	2.5	2.6 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K59	UNT to Big Isaac Creek	34.7	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K60	UNT to Big Isaac Creek	34.8	Eph	NRPW	4.0	4.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K60	UNT to Big Isaac Creek	34.8	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A109	UNT to Laural Run	34.9	Int	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K62/ S-A110	UNT to Laural Run	34.9	Int	RPW	7.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K62/ S-A110	UNT to Laural Run	34.9	Int	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K62/ S-A110	UNT to Laural Run	34.9	Eph	RPW	1.0			0.0	Access Road Perm.	MVP-MLV-AR-05	MVP-MLV-AR-05	OCDD	Minor	-	-	-	-
S-K62/ S-A110	UNT to Laural Run	34.9	Eph	RPW	1.0		0.0		ATWS	MVP-ATWS-053	MVP-DO-048	OCDD	Minor	-	-	-	-
S-K62/ S-A110	UNT to Laural Run	34.9	Eph	RPW	1.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A111	Laural Run	35.0	Per	RPW	14.0	14.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A111	Laural Run	35.0	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
Harrison																	
S-A108	UNT to Kinch eloe Creek	37.9	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-HA-050	DO-AR-36.3/MVP-DO-050	OCDD	Minor	-	-	-	-
S-A108	UNT to Kinch eloe Creek	37.9	Eph	NRPW	2.0		0.0		ATWS	MVP-ATWS-1063	MVP-HA-050 -050.01	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A105	UNT to Kincheloe Creek	38.1	Eph	NRPW	4.0	4.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A105	UNT to Kincheloe Creek	38.1	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A106	UNT to Kincheloe Creek	38.1	Eph	NRPW	2.5		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Lewis																	
S-K94	UNT to Kincheloe Creek	38.2	Per	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-HA-051	DO-AR-37.9/MVP-DO-051	OCDD	Minor	-	-	-	-
S-K94	UNT to Kincheloe Creek	38.2	Per	RPW	3.0	4.7 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K94	UNT to Kincheloe Creek	38.2	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Harrison																	
S-B18a	UNT to Kincheloe Creek	38.2	Eph	NRPW	2.0	24.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B18a	UNT to Kincheloe Creek	38.2	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Lewis																	
S-K95	UNT to Kincheloe Creek	38.2	Int	RPW	1.5		0.0		Access Roads Work Space Temp.	MVP-HA-051	DO-AR-37.9/MVP-DO-051	OCDD	Minor	-	-	-	-
S-J67/K84	UNT to Sand Fork	39.5	Per	RPW	3.0		0.1		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K86	UNT to Sand Fork	39.5	Eph	NRPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K87	UNT to Sand Fork	39.5	Int	RPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K83	UNT to Sand Fork	39.5	Eph	NRPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K89	UNT to Sand Fork	39.5	Int	RPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K90	UNT to Sand Fork	39.5	Int	RPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J69	UNT to Sand Fork	39.5	Int	RPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-052	LE-AR-38.2	OCDD	Minor	-	-	-	-
S-K91	UNT to Smoke Camp Run	39.9	Int	RPW	4.0			0.0	Access Road Perm.	MVP-LE-054	LE-AR-38.6	OCDD	Minor	-	-	-	-
S-K92	UNT to Smoke Camp Run	39.9	Int	RPW	4.0		0.0		Access Road Perm.	MVP-LE-054	LE-AR-38.6	OCDD	Minor	-	-	-	-
S-VV8	Smoke Camp Run	40.0	Per	RPW	12.0		<0.1		ATWS	MVP-ATWS-832	MVP-LE-054	OCDD	Inter-mediate	-	-	-	-
S-K93	UNT to Smoke Camp Run	40.0	Int	RPW	4.0		<0.1		ATWS	MVP-ATWS-832	MVP-LE-054	OCDD	Minor	-	-	-	-
S-I67	Smoke Camp Run	41.4	Per	RPW	8.0	8.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-I67	Smoke Camp Run	41.4	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-VV25	UNT Smoke Camp Run	41.8	Eph	NRPW	6.0		0.0		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-VV25	UNT Smoke Camp Run	41.9	Eph	NRPW	6.0		0.0		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-
S-LL2	UNT to Smoke Camp Run	41.9	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-
S-LL2	UNT to Smoke Camp Run	41.9	Int	RPW	4.0		0.0		ATWS	MVP-ATWS-836	MVP-LE-055	OCDD	Minor	-	-	-	-
S-I69	Smoke Camp Run	42.0	Per	RPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-
S-I68	UNT to Smoke Camp Run	42.0	Per	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-
S-LL3	UNT to Smoke Camp Run	42.0	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-LE-055	LE-AR-40.6	OCDD	Minor	-	-	-	-
S-J43	Right Fork Freemans Creek	42.7	Per	RPW	25.0	25.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J43	Right Fork Freemans Creek	42.7	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Intermediate	-	WW, M	-	April 1 - June 30
S-J44	UNT to Right Fork Freemans Creek	43.2	Per	RPW	4.0	5.2 j/		<0.1	ROW Perm. Easement	-	-	OCDD	Minor	-	-	-	-
S-J44	UNT to Right Fork Freemans Creek	43.2	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-PP7	UNT to Fink Creek	44.5	Eph	NRPW	2.0		<0.1		ATWS	MVP-ATWS-851	MVP-LE-060	OCDD	Minor	-	-	-	-
S-J46	Fink Creek	44.8	Per	RPW	15.0	15.0		<0.1	ROW Perm. Easement	-	-	OCDD	Intermediate	-	WW, M	-	April 1 - June 30
S-J46	Fink Creek	44.8	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Intermediate	-	WW, M	-	April 1 - June 30
S-K51	Fink Creek	44.8	Per	RPW	10.0		<0.1		Access Roads Work Space Temp.	MVP-LE-062	LE-AR-43.9	OCDD	Minor	-	WW, M	-	April 1 - June 30
S-J47b	UNT to Fink Creek	44.9	Int	RPW	3.0	4.1 j/		0.0	ROW Perm. Easement	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J47b	UNT to Fink Creek	44.9	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K53	UNT to Fink Creek	45.0	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-LE-061	LE-AR-43.7	OCDD	Inter-mediate	-	-	-	-
S-K52	UNT to Fink Creek	45.0	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-061	LE-AR-43.7	OCDD	Minor	-	-	-	-
S-K46	UNT to Left Fork Freemans Creek	45.9	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K46	UNT to Left Fork Freemans Creek	45.9	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B67	Left Fork Freemans Creek	46.0	Per	RPW	12.0		<0.1		Access Roads Work Space Temp.	MVP-LE-065	LE-AR-44.6	OCDD	Inter-mediate	-	-	-	-
S-B67	Left Fork Freemans Creek	46.0	Per	RPW	12.0	12.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-B67	Left Fork Freemans Creek	46.0	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B70	UNT to Left Fork Freemans Creek	46.1	Eph	NRPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-LE-065	LE-AR-44.6	OCDD	Minor	-	-	-	-
S-B71	UNT to Left Fork Freemans Creek	46.1	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-LE-065	LE-AR-44.6	OCDD	Minor	-	-	-	-
S-B69	UNT to Left Fork Freemans Creek	46.1	Eph	NRPW	1.5		0.0		Access Roads Work Space Temp.	MVP-LE-065	LE-AR-44.6	OCDD	Minor	-	-	-	-
S-B73	UNT to Left Fork Freemans Creek	46.3	Eph	NRPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-JJ5	UNT to Left Fork Freemans Creek	46.6	Eph	NRPW	4.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-JJ5	UNT to Left Fork Freemans Creek	46.6	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H184	UNT to Left Fork Freemans Creek	46.7	Eph	NRPW	10.0	20.5 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H184	UNT to Left Fork Freemans Creek	46.7	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H183	UNT to Left Fork Freemans Creek	46.7	Eph	NRPW	5.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H183	UNT to Left Fork Freemans Creek	46.7	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H180	UNT to Left Fork Freemans Creek	46.8	Int	RPW	13.0	14.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H180	UNT to Left Fork Freemans Creek	46.8	Int	RPW	13.0		0.0		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H172	UNT to Leading Creek	47.7	Eph	NRPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-H172	UNT to Leading Creek	47.7	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H170	UNT to Leading Creek	48.0	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-067	LE-AR-46.5	OCDD	Minor	-	WW	-	-
S-H170	UNT to Leading Creek	48.0	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-H170	UNT to Leading Creek	48.0	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I64	Leading Creek	48.1	Per	RPW	4.0	4.7 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW, TE	Snuffbox	April 1 - June 30
S-I64	Leading Creek	48.1	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW, TE	Snuffbox	April 1 - June 30
S-KK3-A	UNT to Laurel Run	51.0	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-LE-069	LE-AR-49.4	OCDD	Minor	-	WW	-	-
S-KK3-A	UNT to Laurel Run	51.0	Eph	NRPW	2.0	2.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-KK3-A	UNT to Laurel Run	51.0	Eph	NRPW	2.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-KK07	Laurel Run	51.2	Per	RPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-KK07	Laurel Run	51.2	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-KK05	UNT to Laurel Run	51.2	Int	RPW	3.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-KK05	UNT to Laurel Run	51.2	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-KK06	UNT Laurel Run	51.2	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-KK06	UNT Laurel Run	51.2	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-L81	UNT to Cove Lick	51.9	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-LE-070	LE-AR-50.3	OCDD	Minor	-	-	-	-
S-K43	Cove Lick	52.4	Per	RPW	7.0		<0.1		Access Roads Work Space Temp.	MVP-LE-070	LE-AR-50.3	OCDD	Minor	-	-	-	-
S-K43	Cove Lick	52.4	Per	RPW	7.0	9.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K43	Cove Lick	52.4	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K44	UNT to Cove Lick	52.4	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L80	UNT to Cove Lick	52.4	Int	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-LE-070	LE-AR-50.3	OCDD	Minor	-	-	-	-
S-K45	UNT to Cove Lick	52.4	Eph	NRPW	1.0		0.0		Access Roads Work Space Temp.	MVP-LE-070	LE-AR-50.3	OCDD	Minor	-	-	-	-
S-K45	UNT to Cove Lick	52.4	Eph	NRPW	1.0		0.0		ATWS	MVP-ATWS-079	MVP-LE-070	OCDD	Minor	-	-	-	-
S-K38	UNT to Rock Run	53.2	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-K38	UNT to Rock Run	53.2	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-L79	Rock Run	54.1	Per	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-LE-072	LE-AR-52.3	OCDD	Minor	-	WW	-	-
S-I63	Sand Fork	55.2	Per	RPW	20.0	20.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-I63	Sand Fork	55.2	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-H160	Indian Fork	58.6	Per	RPW	23.0	23.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H160	Indian Fork	58.6	Per	RPW	23.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H162	UNT to Indian Fork	58.7	Int	RPW	4.0		<0.1		ATWS	MVP-ATWS-086A	N/A	OCDD	Minor	-	-	-	-
S-H158/S-H161	UNT to Indian Fork	58.8	Int	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L76	Indian Fork	59.0	Per	RPW	15.0			<0.1	Access Road Perm.	MVP-LE-074	LE-AR-57.8	OCDD	Inter-mediate	-	-	-	-
S-H153	UNT to Bens Run	59.5	Per	RPW	15.0	15.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-
S-H153	UNT to Bens Run	59.5	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-
S-H152	UNT to Bens Run	59.5	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-H145	UNT to Indian Fork	60.0	Per	RPW	15.0	18.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H145	UNT to Indian Fork	60.0	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H166	UNT to Indian Fork	60.0	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H165	UNT to Indian Fork	60.0	Eph	NRPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-LE-076	LE-AR-58.2	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H165	UNT to Indian Fork	60.0	Eph	NRPW	6.0	8.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H165	UNT to Indian Fork	60.0	Eph	NRPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L73	Indian Fork	60.1	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-LE-076	LE-AR-58.2	OCDD	Inter-mediate	-	-	-	-
S-H144	UNT to Threel ick Run	60.2	Eph	NRPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H144	UNT to Threel ick Run	60.2	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H163	UNT to Indian Fork	60.2	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-VV13	Secon d Big Run	61.3	Per	RPW	15.0	20.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-VV13	Secon d Big Run	61.3	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-VV14	UNT to Secon d Big Run	61.3	Int	RPW	7.0		0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-VV12	UNT to Second Big Run	61.4	Per	RPW	12.0	12.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-VV12	UNT to Second Big Run	61.4	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-VV11	UNT to Second Big Run	61.4	Eph	NRPW	4.0		<0.1		ATWS	MVP-ATWS-796	N/A	OCDD	Minor	-	-	-	-
S-VV11	UNT to Second Big Run	61.4	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-7	UNT to Second Big Run	61.5	Int	RPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
S-VV19	UNT to Second Big Run	61.6	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
S-VV20	UNT to Second Big Run	61.6	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
TTWV-S-5	Second Big Run	61.8	Per	RPW	15.0		0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-VV18	UNT to Second Big Run	61.8	Eph	NRPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
S-VV16	UNT to Second Big Run	61.9	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
S-VV16	UNT to Second Big Run	61.9	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
TTWV-S-6	UNT to Second Big Run	62.0	Int	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
S-VV17	UNT to Second Big Run	62.0	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.02	LE-AR-59.2	OCDD	Minor	-	-	-	-
TTWV-S-8	Oil Creek	62.3	Per	RPW	10.0		<0.1		Access Roads Work Space Temp.	MVP-LE-077.03	LE-AR-59.3	OCDD	Minor	-	-	-	-
TTWV-S-8	Oil Creek	62.3	Per	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-8	Oil Creek	62.3	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-VV21	UNT to Oil Creek	62.5	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-LE-077.03	LE-AR-59.3	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-VV22	UNT to Oil Creek	62.6	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-LE-077.03	LE-AR-59.3	OCDD	Minor	-	-	-	-
S-VV23	UNT to Oil Creek	62.7	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-LE-077.03	LE-AR-59.3	OCDD	Minor	-	-	-	-
S-VV24	UNT to Oil Creek	62.7	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-LE-077.03	LE-AR-59.3	OCDD	Minor	-	-	-	-
S-L62	UNT to Crooked Run	63.1	Per	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-LE-083	LE-AR-61.9	OCDD	Minor	-	-	-	-
S-L63	UNT to Crooked Run	63.1	Int	RPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-LE-083	LE-AR-61.9	OCDD	Minor	-	-	-	-
S-L64	UNT to Crooked Run	63.1	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-LE-083	LE-AR-61.9	OCDD	Minor	-	-	-	-
S-UU7	UNT to Clover Fork	65.3	Eph	NRPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-LE-084	LE-AR-64.5	OCDD	Minor	-	-	-	-
S-VV9	UNT to Clover Fork	65.5	Per	RPW	10.0		<0.1		ATWS	MVP-ATWS-436	N/A	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-VV9	UNT to Clover Fork	65.5	Per	RPW	10.0	10.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-VV9	UNT to Clover Fork	65.5	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-132	UNT to Clover Fork	65.5	Int	RPW	9.0		<0.1		ATWS	MVP-ATWS-435	N/A	OCDD	Minor	-	-	-	-
S-VV2	Clover Fork	65.6	Per	RPW	20.0		0.1		ATWS	MVP-ATWS-438	N/A	OCDD	Inter-mediate	-	-	-	-
S-VV2	Clover Fork	65.6	Per	RPW	20.0	22.3		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-VV2	Clover Fork	65.6	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
Braxton																	
S-VV3	UNT to Clover Fork	65.6	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L56	UNT to Barbe cue Run	67.4	Int	RPW	1.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L51	Barbe cue Run	67.5	Per	RPW	20.0	23.9 j,k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-L51	Barbe cue Run	67.5	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J37	UNT to Barbecue Run	67.5	Int	RPW	3.0	3.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J37	UNT to Barbecue Run	67.5	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L57	UNT to Barbecue Run	68.5	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-BR-088	BR-AR-69.0	OCDD	Minor	-	-	-	-
S-L57	UNT to Barbecue Run	68.5	Eph	NRPW	4.0		0.0		ATWS	MVP-ATWS-885	MVP-BR-088	OCDD	Minor	-	-	-	-
S-L60	Left Fork Knawl Creek	68.8	Per	RPW	30.0		0.0		Access Roads Work Space Temp.	MVP-BR-089.01	MVP-BR-089.1	OCDD	Inter-mediate	-	-	-	-
S-L60	Left Fork Knawl Creek	68.8	Per	RPW	30.0	30.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-L60	Left Fork Knawl Creek	68.8	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-LL1	Knawl Creek	68.8	Per	RPW	30.0	35.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-LL1	Knawl Creek	68.8	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-12	UNT to Little Knawl Creek	69.6	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-12	UNT to Little Knawl Creek	69.6	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-14	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-14	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-15	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-15	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-16	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-16	UNT to Little Knawl Creek	69.7	Eph	NRPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-17	UNT to Little Knawl Creek	69.9	Eph	NRPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-19	UNT to Little Knawl Creek	70.1	Per	RPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-19	UNT to Little Knawl Creek	70.1	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-21	UNT to Little Knawl Creek	70.1	Eph	NRPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-JJ1	UNT to Falls Run	71.8	Per	RPW	14.0	14.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-JJ1	UNT to Falls Run	71.8	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-JJ2	UNT to Falls Run	71.8	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J74	UNT to Falls Run	72.3	Int	RPW	4.0		0.0		ATWS	MVP-ATWS-897	MVP-BR-095	OCDD	Minor	-	-	-	-
S-I60	UNT to Falls Run	72.4	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I60	UNT to Falls Run	72.4	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J70	Falls Run	72.5	Per	RPW	30.0		0.1		Access Roads Work Space Temp.	MVP-BR-096	BR-AR-71.7	OCDD	Inter-mediate	-	-	-	-
S-J70	Falls Run	72.6	Per	RPW	30.0	30.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-J70	Falls Run	72.6	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-K34	Hemp Patch Run	73.6	Int	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K34	Hemp Patch Run	73.6	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K33	UNT to Hemp Patch Run	73.7	Eph	NRPW	2.0		<0.1		ATWS	MVP-ATWS-116	N/A	OCDD	Minor	-	-	-	-
S-K33	UNT to Hemp Patch Run	73.7	Eph	NRPW	2.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K33	UNT to Hemp Patch Run	73.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H122	UNT to Elliott Run	74.0	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-BR-100	BR-AR-73.3/MVP-BR-099	OCDD	Minor	-	-	-	-
S-H123	UNT to Elliott Run	74.1	Per	RPW	6.0	13.5		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H123	UNT to Elliott Run	74.1	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H124	UNT to Elliott Run	74.1	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H127	UNT to Elliott Run	74.7	Int	RPW	4.0	4.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H127	UNT to Elliott Run	74.7	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L50	UNT to Little Kanawha River	74.8	Int	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-BR-103	BR-AR-74	OCDD	Minor	-	WW	-	-
S-L50	UNT to Little Kanawha River	74.8	Int	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-L49	Elliott Run	74.9	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-BR-103	BR-AR-74	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L49	Elliott Run	74.9	Per	RPW	15.0		0.0		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H132	Little Kanawha River	75.0	Per	RPW	120.0	121.1 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Major	A	WW, TE	Snuffbox	April 1 - June 30
S-H132	Little Kanawha River	75.0	Per	RPW	120.0		0.1		Temp. Work Space	-	-	OCDD	Major	A	WW, TE	Snuffbox	April 1 - June 30
S-H129	UNT to Little Kanawha River	75.1	Int	RPW	2.0	2.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-H129	UNT to Little Kanawha River	75.1	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-H130	UNT to Little Kanawha River	75.2	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-H130	UNT to Little Kanawha River	75.2	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-L48	Coplin Run	75.6	Per	RPW	20.0		<0.1		Access Roads Work Space Temp.	MVP-BR-103	BR-AR-74	OCDD	Inter-mediate	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H117	Stone coal Run	76.8	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-BR-104.01	MVP-BR-104.1	OCDD	Inter-mediate	-	-	-	-
S-H117	Stone coal Run	76.8	Per	RPW	15.0	16.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H117	Stone coal Run	76.8	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-AA15	UNT to Little Kanawha River	77.4	Int	RPW	2.5			<0.1	CS Temp.	HARRIS CS FENCE	CS	OCDD	Minor	-	-	-	-
S-AA12	UNT to Little Kanawha River	77.5	Eph	RPW	2.0			0.0	Access Road Perm.	-	-	OCDD	Minor	-	-	-	-
S-AA12	UNT to Little Kanawha River	77.5	Eph	RPW	2.0			0.0	CS Temp.	WB Interconne ct LOD	Interco nnect LOD	OCDD	Minor	-	-	-	-
S-L46	UNT to Little Kanawha River	77.7	Per	RPW	15.0	15.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-
S-L46	UNT to Little Kanawha River	77.7	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L44	UNT to Little Kanawha River	78.2	Per	RPW	10.0	10.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-L44	UNT to Little Kanawha River	78.2	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I53	UNT to Little Kanawha River	78.5	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I57	UNT to Left Fork Holly River	79.8	Per	RPW	30.0	30.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-I57	UNT to Left Fork Holly River	79.8	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
Webster																	
S-A97	UNT to Mudlick Run	80.8	Int	RPW	8.0	13.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A97	UNT to Mudlick Run	80.8	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A96/ S-A103	UNT to Mudlick Run	80.8	Eph	NRPW	5.0	5.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A96/ S-A103	UNT to Mudlick Run	80.8	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A99	UNT to Mudlick Run	80.8	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A98	UNT to Mudlick Run	80.9	Int	RPW	7.0	20.7 j,k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A98	UNT to Mudlick Run	80.9	Int	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E83	UNT to Left Fork Holly River	81.6	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WB-111	WB-AR-80.6	OCDD	Minor	-	-	-	-
S-A100	Left Fork Holly River	81.7	Per	RPW	80.0	80.5 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	B	CW, B2	-	September 15 - March 31
S-A100	Left Fork Holly River	81.7	Per	RPW	80.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	B	CW, B2	-	September 15 - March 31
S-E78/ S-R1/ S-E82	UNT to Left Fork Holly River	81.7	Per	RPW	8.0		0.0		Access Roads Work Space Temp.	MVP-WB-111	WB-AR-80.6	OCDD	Minor	-	-	-	-
S-E78/ S-R1/ S-E82	UNT to Left Fork Holly River	81.7	Per	RPW	8.0	15.3 j,k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E78/ S-R1/ S-E82	UNT to Left Fork Holly River	81.7	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E83A	UNT to Left Fork Holly River	81.7	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WB-111	WB-AR-80.6	OCDD	Minor	-	-	-	-
S-E76	UNT to Left Fork Holly River	81.8	Eph	NRPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E76	UNT to Left Fork Holly River	81.8	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-KK2	UNT to Left Fork Holly River	82.0	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-KK2	UNT to Left Fork Holly River	82.0	Eph	NRPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-KK3-B	UNT to Left Fork Holly River	82.0	Eph	NRPW	3.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-KK3-B	UNT to Left Fork Holly River	82.0	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-KK1	UNT to Left Fork Holly River	82.0	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-E74	UNT to Left Fork Holly River	82.1	Per	RPW	4.0	3.1		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E74	UNT to Left Fork Holly River	82.1	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-KK4-B	UNT to Left Fork Holly River	82.1	Eph	NRPW	3.0	4.0 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-KK4-B	UNT to Left Fork Holly River	82.1	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-F40	Oldlick Creek	82.4	Per	RPW	25.0		0.1		Access Roads Work Space Temp.	MVP-WB-114	MVP-WB-114.01	OCDD	Inter-mediate	-	-	-	-
S-F40	Oldlick Creek	82.4	Per	RPW	25.0	29.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F40	Oldlick Creek	82.4	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-E72	UNT to Oldlick Creek	82.4	Per	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-WB-114	MVP-WB-114.01	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E72	UNT to Oldlick Creek	82.4	Per	RPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-WB-114	MVP-WB-114.01	OCDD	Minor	-	-	-	-
S-F39	UNT to Oldlick Creek	82.4	Eph	NRPW	6.0		0.0		Access Roads Work Space Temp.	MVP-WB-114.01	WB-AR-81.1/81.4 & MVP-WB-115	OCDD	Minor	-	-	-	-
S-F41	UNT to Oldlick Creek	82.4	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-WB-114.01	WB-AR-81.1/81.4 & MVP-WB-115	OCDD	Minor	-	-	-	-
S-S2	UNT to Oldlick Creek	82.4	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-WB-116	WB-AR-81.8	OCDD	Minor	-	-	-	-
S-S1	UNT to Oldlick Creek	82.4	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-WB-116	WB-AR-81.8	OCDD	Minor	-	-	-	-
S-S1	UNT to Oldlick Creek	82.4	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-S1	UNT to Oldlick Creek	82.4	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F40	Oldlick Creek	82.5	Per	RPW	25.0		0.0		Access Roads Work Space Temp.	MVP-WB-114	MVP-WB-114.01	OCDD	Inter-mediate	-	-	-	-
S-S4	UNT to Oldlick Creek	82.6	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-WB-116	WB-AR-81.8	OCDD	Minor	-	-	-	-
S-S3	UNT to Oldlick Creek	82.6	Eph	NRPW	1.5		0.0		Access Roads Work Space Temp.	MVP-WB-116	WB-AR-81.8	OCDD	Minor	-	-	-	-
S-F43	UNT to Right Fork Holly Creek	82.7	Per	RPW	10.0	13.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F43	UNT to Right Fork Holly Creek	82.7	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B67A	Right Fork Holly Creek	84.1	Per	RPW	12.0			<0.1	Access Road Perm.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate	-	-	-	-
S-E67	Right Fork Holly Creek	84.2	Per	RPW	85.0	92.4 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-E67	Right Fork Holly Creek	84.2	Per	RPW	85.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-R5	UNT to Right Fork Holly Creek	84.2	Per	RPW	10.0			<0.1	Access Road Perm.	MVP-WB-117	WB-AR-82.3	OCDD	Minor	-	-	-	-
S-R5	UNT to Right Fork Holly Creek	84.2	Per	RPW	10.0		<0.1		ATWS	MVP-ATWS-922	MVP-WB-117	OCDD	Minor	-	-	-	-
S-B62	Narrows Run	86.3	Per	RPW	30.0		0.2		Access Roads Work Space Temp.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B62	Narrows Run	86.3	Per	RPW	30.0			0.3	Access Road Perm.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B59	Narrows Run	86.3	Per	RPW	30.0		0.0		Access Roads Work Space Temp.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B59	Narrows Run	86.3	Per	RPW	30.0			<0.1	Access Road Perm.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B53	Narrows Run	86.3	Per	RPW	30.0		<0.1		Access Roads Work Space Temp.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B53	Narrows Run	86.3	Per	RPW	30.0			<0.1	Access Road Perm.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				
S-B50	Narrows Run	86.3	Per	RPW	30.0			<0.1	Access Road Perm.	MVP-WB-119	WB-AR-84.5	OCDD	Inter-mediate				

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B55	UNT to Narrows Run	86.5	Int	RPW	7.0		<0.1		ATWS	MVP-ATWS-930	MVP-WB-119	OCDD	Minor	-	-	-	-
S-E68	Elk River	87.4	Per	TNW	150.0	186.6 j/		0.2	ROW Perm. Ease-ment	-	-	OCWD	Major	A,B	CW, M, TE	Clubshell	September 15 - March 31
S-E68	Elk River	87.4	Per	TNW	150.0		0.1		Temp. Work Space	-	-	OCWD	Major	A,B	CW, M, TE	Clubshell	September 15 - March 31
S-E71	UNT to Elk River	87.5	Int	RPW	2.0	2.5 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E71	UNT to Elk River	87.5	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H113	UNT to Elk River	87.6	Per	RPW	12.0	13.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H113	UNT to Elk River	87.6	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H111	UNT to Elk River	87.6	Int	RPW	4.0	15.7 j,k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H111	UNT to Elk River	87.6	Int	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H112	UNT to Elk River	87.6	Int	RPW	3.0	3.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H112	UNT to Elk River	87.6	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H114	UNT to Elk River	87.6	Eph	NRPW	2.0	3.5 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H114	UNT to Elk River	87.6	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-T5	UNT to Bear Run	88.6	Eph	NRPW	6.5			<0.1	Access Road Perm.			OCDD	Minor	-	-	-	-
S-T5	UNT to Bear Run	88.6	Eph	NRPW	6.5		6.5		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-T4	UNT to Bear Run	88.6	Eph	NRPW	4.0			<0.1	Access Road Perm.			OCDD	Minor	-	-	-	-
S-T4	UNT to Bear Run	88.6	Eph	NRPW	4.0		4.0		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-O2	UNT to Bear Run	88.6	Eph	NRPW	1.0			0.0	Access Road Perm.	MVP-WB-120	WB-AR-87.1	OCDD	Minor	-	WW	-	-
S-H110	UNT to Houston Run	89.7	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WB-120.01	MVP-WB-120.01	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H110	UNT to Houston Run	89.7	Eph	NRPW	3.0	35.7 j, k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H110	UNT to Houston Run	89.7	Eph	NRPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
T-29	Houston Run	90.6	Per	RPW	30.0	31.0 j/		<0.1	ROW Perm. Ease-ment			OCDD	Inter-mediate				
T-29	Houston Run	90.6	Per	RPW	30.0		0.1		Temp. Work Space			OCDD	Inter-mediate				
T-23	UNT to Houston Run	90.6	Per	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-WB-121	WB-AR-88.9	OCDD	Minor				
S-A83/ S-A91	UNT to Camp Creek	92.5	Per	RPW	25.0	25.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A83/ S-A91	UNT to Camp Creek	92.5	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-A92	UNT to Camp Creek	92.5	Eph	NRPW	13.0	13.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A92	UNT to Camp Creek	92.5	Eph	NRPW	13.0		0.0		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A93	UNT to Camp Creek	92.5	Eph	NRPW	8.0	10.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A93	UNT to Camp Creek	92.5	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H108	UNT to Camp Creek	93.1	Per	RPW	14.0			<0.1	Access Road Perm.	MVP-MLV-AR-010	WB-AR-91.5/MVP-WB-126	OCDD	Inter-mediate	-	-	-	-
S-H108	UNT to Camp Creek	93.1	Per	RPW	14.0	14.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H108	UNT to Camp Creek	93.1	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H105	UNT to Camp Creek	93.1	Per	RPW	3.0	6.2 j, k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H105	UNT to Camp Creek	93.1	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H104	Camp Creek	93.2	Per	RPW	15.0	15.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H104	Camp Creek	93.2	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H107	UNT to Camp Creek	93.2	Int	RPW	1.5	2.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H107	UNT to Camp Creek	93.2	Int	RPW	1.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H103	UNT to Camp Creek	93.4	Int	RPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H103	UNT to Camp Creek	93.4	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B34	Amos Run	97.7	Per	RPW	30.0	2.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-B34	Amos Run	97.7	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-B48	UNT to Amos Run	97.7	Eph	NRPW	12.0		0.0		Access Roads Work Space Temp.	MVP-WB-127	WB-AR-95.9	OCDD	Inter-mediate	-	-	-	-
S-B39A/S-B46	UNT to Amos Run	97.8	Int	RPW	5.0	4.5		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B39A/S-B46	UNT to Amos Run	97.8	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B39A/S-B46	UNT to Amos Run	97.8	Eph	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B39B	UNT to Amos Run	97.8	Eph	NRPW	3.0	4.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B39B	UNT to Amos Run	97.8	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B45	UNT to Amos Run	97.8	Eph	NRPW	3.0	5.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B45	UNT to Amos Run	97.8	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B35	UNT to Amos Run	97.8	Int	RPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B35	UNT to Amos Run	97.8	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B36	UNT to Amos Run	97.8	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B36	UNT to Amos Run	97.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B37	UNT to Amos Run	97.8	Int	RPW	2.0	3.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B37	UNT to Amos Run	97.8	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B42	UNT to Amos Run	97.8	Eph	NRPW	2.0	2.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B42	UNT to Amos Run	97.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B43	UNT to Amos Run	97.9	Eph	NRPW	1.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B43	UNT to Amos Run	97.9	Eph	NRPW	1.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-O4	Lost Run	98.7	Per	RPW	18.0	23.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-
S-O4	Lost Run	98.7	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-
S-O5	UNT to Laurel Creek	98.7	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-O5	UNT to Laurel Creek	98.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A79	Laurel Creek	98.9	Per	RPW	55.0		<0.1		Access Roads Work Space Temp.	MVP-WB-129	WB-AR-97.2	OCDD	Inter-mediate	-	CW, M	-	Septem ber 15 - March 31
S-A79	Laurel Creek	98.9	Per	RPW	55.0	55.4 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, M	-	Septem ber 15 - March 31
S-A79	Laurel Creek	98.9	Per	RPW	55.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, M	-	Septem ber 15 - March 31

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A80	UNT to Laurel Creek	98.9	Int	RPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-WB-129	WB-AR-97.2	OCDD	Minor	-	-	-	-
S-A81	UNT to Laurel Creek	98.9	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-WB-129	WB-AR-97.2	OCDD	Minor	-	-	-	-
S-E57/S-E59	UNT to Little Glade Run	101.8	Int	NRPW	6.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E57/S-E59	UNT to Little Glade Run	101.8	Int	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E57/S-E59	UNT to Little Glade Run	101.8	Eph	NRPW	2.0	5.0 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E57/S-E59	UNT to Little Glade Run	101.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E62	UNT to Little Glade Run	102.4	Per	RPW	4.0			<0.1	Access Road Perm.	MVP-MLV-AR-12	-	OCDD	Minor	-	-	-	-
S-E55	UNT to Laurel Creek	102.7	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E55	UNT to Laurel Creek	102.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F23	UNT/ Williams Branch	103.2	Int	NRPW	10.0		0.2		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-F28	UNT/ Williams Branch	103.2	Per	RPW	4.0		<0.1		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-F27	UNT/ Williams Branch	103.2	Per	RPW	4.0		<0.1		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-F25	UNT/ Williams Branch	103.2	Int	NRPW	2.0		0.1		Access Roads Work Space Temp.			OCDD	Minor	-	-	-	-
S-F34	UNT to Birch River	104.1	Per	RPW	5.0	5.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F34	UNT to Birch River	104.1	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F35	UNT to Birch River	104.1	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F38	UNT to Birch River	104.5	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-WB-132	WB-AR-102.1	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F36B	UNT to Birch River	104.7	Per	RPW	20.0		0.0		Access Roads Work Space Temp.	MVP-WB-132	WB-AR-102.1	OCDD	Inter-mediate	-	-	-	-
S-F36B	UNT to Birch River	104.7	Per	RPW	20.0	20.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F36B	UNT to Birch River	104.7	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F37	UNT to Birch River	104.7	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-WB-132	WB-AR-102.1	OCDD	Minor	-	-	-	-
S-B33	UNT to Meadow Fork	105.9	Int	RPW	10.0	30.8		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B33	UNT to Meadow Fork	105.9	Int	RPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B32	UNT to Meadow Fork	106.1	Per	RPW	7.0	9.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B32	UNT to Meadow Fork	106.1	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B29	Meadow Fork	106.8	Per	RPW	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B29	Meadow Fork	106.8	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E50	UNT to Gauley River	109.2	Per	RPW	4.0	10.1		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E50	UNT to Gauley River	109.2	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E52	UNT to Gauley River	109.3	Int	RPW	3.0	2.1		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E52	UNT to Gauley River	109.3	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E54	UNT to Gauley River	109.5	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-WB-134	WB-AR-107.1	OCDD	Minor	-	-	-	-
Nicholas																	
S-E49	UNT to Gauley River	109.6	Eph	NRPW	1.0	1.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E49	UNT to Gauley River	109.6	Eph	NRPW	1.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E46	UNT to Stroud s Creek	109.9	Per	RPW	30.0		<0.1		Access Roads Work Space Temp.	MVP-NI-136	NI-AR-107.6	OCDD	Inter-mediate	-	-	-	-
S-E46	UNT to Stroud s Creek	109.9	Per	RPW	30.0	31.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-E46	UNT to Stroud s Creek	109.9	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F20	UNT to Rockc amp Run	111.0	Per	RPW	10.0	10.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F20	UNT to Rockc amp Run	111.0	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F21	UNT to Rockc amp Run	111.0	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-28	UNT to Barn Run	111.3	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-27	UNT to Barn Run	111.3	Int	RPW	2.0		<0.1		Access Roads Work Space Temp.	MVP-NI-137	NI-AR-109.1	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-28	UNT to Barn Run	111.3	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-137	NI-AR-109.1	OCDD	Minor	-	-	-	-
TTWV-S-155	UNT to Barn Run	111.5	Int	RPW	15.0			<0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Int	RPW	15.0			<0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Int	RPW	15.0			0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Int	RPW	15.0		<0.1		ATWS	MVP-ATWS-1046	MVP-NI-139	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Int	RPW	15.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Int	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Per	RPW	15.0			<0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Per	RPW	15.0			0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-29	UNT to Barn Run	111.9	Per	RPW	15.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-30	UNT to Barn Run	111.9	Int	RPW	15.0			<0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-31	UNT to Barn Run	111.9	Eph	NRPW	15.0			<0.1	Access Road Perm.	MVP-NI-139	NI-AR-109.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-133	UNT to Rockcamp Run	112.3	Eph	NRPW	8.0		0.1		Access Roads Work Space Temp.	MVP-NI-140	NI-AR-109.8	OCDD	Minor	-	-	-	-
TTWV-S-133	UNT to Rockcamp Run	112.3	Eph	NRPW	8.0		0.0		ATWS	MVP-ATWS-983	MVP-NI-140	OCDD	Minor	-	-	-	-
S-C45	UNT to Cherry Run	112.4	Int	RPW	4.0	4.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C45	UNT to Cherry Run	112.4	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-135	UNT to Rockcamp Run	112.4	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-140	NI-AR-109.8	OCDD	Minor	-	-	-	-
S-C46	UNT to Cherry Run	112.6	Per	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-NI-141	3916	OCDD	Minor	-	-	-	-
S-C47	UNT to Cherry Run	112.6	Per	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-141	3916	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E66	UNT to Cherry Run	112.6	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-141	3916	OCDD	Minor	-	-	-	-
S-B28	Cherry Run	113.0	Per	RPW	10.0	10.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B28	Cherry Run	113.0	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-FF3	UNT to Big Beaver Creek	113.6	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J32	Big Beaver Creek	114.0	Per	RPW	35.0	35.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-J32	Big Beaver Creek	114.0	Per	RPW	35.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-A76	UNT to Big Beaver Creek	114.2	Per	RPW	6.0	10.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A76	UNT to Big Beaver Creek	114.2	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A75	UNT to Big Beaver Creek	114.4	Per	RPW	10.0	10.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A75	UNT to Big Beaver Creek	114.4	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A74	UNT to Big Beaver Creek	114.5	Eph	NRPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A74	UNT to Big Beaver Creek	114.5	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A73	UNT to Big Beaver Creek	114.6	Int	RPW	6.0	6.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A73	UNT to Big Beaver Creek	114.6	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A71 Braid	UNT to Big Beaver Creek	114.8	Per	RPW	8.0	8.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A71 Braid	UNT to Big Beaver Creek	114.8	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A71	UNT to Big Beaver Creek	114.8	Per	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A71	UNT to Big Beaver Creek	114.8	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A72	UNT to Big Beaver Creek	114.8	Eph	NRPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A72	UNT to Big Beaver Creek	114.8	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A67	UNT to Big Beaver Creek	115.1	Per	RPW	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A67	UNT to Big Beaver Creek	115.1	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A69	UNT to Big Beaver Creek	115.1	Int	RPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A69	UNT to Big Beaver Creek	115.1	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-33	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-34	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0		0.0		ATWS	MVP-ATWS-985	MVP-NI-145	OCDD	Minor	-	-	-	-
TTWV-S-34	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-34	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-35	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-35	UNT to Big Beaver Creek	115.3	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H100	UNT to Big Beaver Creek	115.5	Per	RPW	4.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H100	UNT to Big Beaver Creek	115.5	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H99	UNT to Big Beaver Creek	115.5	Per	RPW	4.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H99	UNT to Big Beaver Creek	115.5	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H95	UNT to Big Beaver Creek	115.7	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-NI-146	NI-AR-113.2	OCDD	Minor	-	-	-	-
S-H96	UNT to Big Beaver Creek	115.7	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-146	NI-AR-113.2	OCDD	Minor	-	-	-	-
S-A65	Big Beaver Creek	115.9	Per	RPW	70.0	72.0 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-A65	Big Beaver Creek	115.9	Per	RPW	70.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-A64	UNT to Granny Run	116.1	Eph	NRPW	7.0	7.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A64	UNT to Granny Run	116.1	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-N15	UNT to Granny Run	116.4	Int	RPW	12.0	12.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-N15	UNT to Granny Run	116.4	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-N14	Granny Run	116.7	Per	RPW	8.0	9.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N14	Granny Run	116.7	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-I43	UNT to Big Run	117.0	Int	RPW	10.0	10.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I43	UNT to Big Run	117.0	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I44	Big Run	117.2	Per	RPW	8.0	8.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C	WW	-	-
S-I44	Big Run	117.2	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C	WW	-	-
S-I45	UNT to Big Run	117.3	Per	RPW	6.0	6.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I45	UNT to Big Run	117.3	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I47	UNT to Gauley River	117.8	Int	RPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I47	UNT to Gauley River	117.8	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I51	UNT to Gauley River	118.1	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-NI-149	NI-AR-115.4	OCDD	Inter-mediate	-	WW	-	-
S-I48	UNT to Gauley River	118.1	Per	RPW	10.0	10.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I48	UNT to Gauley River	118.1	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-J29	Gauley River	118.6	Per	TNW	300.0	313.0 j/		0.4	ROW Perm. Ease-ment	-	-	OCWD	Major	A,B,C	WW, M	-	April 1 - June 30
S-J29	Gauley River	118.6	Per	TNW	300.0		0.2		Temp. Work Space	-	-	OCWD	Major	A,B,C	WW, M	-	April 1 - June 30
S-J26	UNT to Gauley River	119.2	Per	RPW	30.0		<0.1		Access Roads Work Space Temp.	MVP-NI-151	NI-AR-116.1	OCDD	Inter-mediate	-	WW	-	-
S-J27	UNT to Gauley River	119.4	Int	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-NI-151	NI-AR-116.1	OCDD	Minor	-	WW	-	-
S-J28	UNT to Little Laurel Creek	119.4	Int	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-J28	UNT to Little Laurel Creek	119.4	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C, D	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J24 Braid 2	UNT to Little Laurel Creek	119.9	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C, D	-	-	-
S-J25	UNT to Little Laurel Creek	119.9	Eph	NRPW	5.0	5.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-J25	UNT to Little Laurel Creek	119.9	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-R10	UNT to Little Laurel Creek	120.4	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-R11	UNT to Little Laurel Creek	120.4	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-R13	Little Laurel Creek	120.5	Per	RPW	20.0		<0.1		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Inter-mediate	-	-	-	-
S-R14	UNT to Little Laurel Creek	120.5	Int	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-R15	UNT to Little Laurel Creek	120.5	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-R16	UNT to Little Laurel Creek	120.5	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-X1	Little Laurel Creek	120.6	Per	RPW	12.0		<0.1		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Inter-mediate	-	-	-	-
S-X3	UNT to Little Laurel Creek	120.9	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-X2	UNT to Little Laurel Creek	120.9	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U9	Little Laurel Creek	121.1	Per	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	-	-	-	-
S-U11	UNT to Little Laurel Creek	121.1	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U10	UNT to Little Laurel Creek	121.1	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U8	UNT to Little Laurel Creek	121.1	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-X7	UNT to Little Laurel Creek	121.1	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-X8	UNT to Little Laurel Creek	121.1	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U6	UNT to Little Laurel Creek	121.6	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U4	UNT to Little Laurel Creek	121.7	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-U5	UNT to Little Laurel Creek	121.7	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-MLV-AR-14	NI-AR-117.4/ MVP-NI-154	OCDD	Minor	A,B,C, D	-	-	-
S-J23	UNT to Little Laurel Creek	121.9	Eph	NRPW	1.0	1.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-J23	UNT to Little Laurel Creek	121.9	Eph	NRPW	1.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-J22	UNT to Little Laurel Creek	122.0	Eph	NRPW	3.0	3.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C, D	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J22	UNT to Little Laurel Creek	122.0	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C, D	-	-	-
S-N11/S-N10 Braid	Skelt Run	122.2	Int	RPW	5.0	3.6		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N10	Skelt Run	122.2	Per	RPW	4.0	5.4		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N10	Skelt Run	122.2	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-N9	UNT to Skelt Run	122.2	Int	RPW	4.0	40.6 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N9	UNT to Skelt Run	122.2	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-N9 Braid	UNT to Skelt Run	122.2	Int	RPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-EE1	UNT to Skelt Run	122.4	Eph	NRPW	4.0	4.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-EE1	UNT to Skelt Run	122.4	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-W17/ S-W18	UNT to Deer Creek	122.5	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-W17/ S-W18	UNT to Deer Creek	122.5	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W14	UNT to Deer Creek	122.5	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W12	UNT to Deer Creek	122.5	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W16	UNT to Deer Creek	122.5	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-N13 Braid	UNT to Skelt Run	122.6	Int	RPW	6.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N13 Braid	UNT to Skelt Run	122.6	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-W11	UNT to Deer Creek	122.6	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W8	UNT to Deer Creek	122.6	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-W9	UNT to Deer Creek	122.6	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-N13	UNT to Skelt Run	122.6	Int	RPW	2.0	2.6 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-N13	UNT to Skelt Run	122.6	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-W10	UNT to Deer Creek	122.6	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W7	UNT to Deer Creek	122.7	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-W1	UNT to Jims Creek	122.7	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-
S-W5	UNT to Deer Creek	122.7	Eph	NRPW	2.5		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	B2	-	-
S-V1	UNT to Jims Creek	122.8	Int	RPW	6.0		<0.1		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-W2	UNT to Jims Creek	122.8	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-
S-W3	UNT to Jims Creek	122.8	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-
S-W4	UNT to Jims Creek	122.8	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-
S-L42	UNT to Jims Creek	123.0	Int	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-NI-156	NI-AR-120.2	OCDD	Minor	-	-	-	-
S-L41	Jims Creek	123.1	Per	RPW	20.0	20.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-L41	Jims Creek	123.1	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-L38	UNT to Riley Branch	124.2	Per	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L38	UNT to Riley Branch	124.2	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L35	Riley Branch	124.3	Per	RPW	4.0	13.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L37	UNT to Riley Branch	124.3	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L35	Riley Branch	124.4	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-157	NI-AR-121	OCDD	Minor	-	-	-	-
S-L35	Riley Branch	124.4	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-I37	UNT to Hominy Creek	125.0	Eph	NRPW	6.0	2.4		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-I37	UNT to Hominy Creek	125.0	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-I39	UNT to Hominy Creek	125.2	Int	RPW	7.0	7.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-I39	UNT to Hominy Creek	125.2	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-I38	UNT to Hominy Creek	125.2	Int	RPW	5.0	5.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I38	UNT to Hominy Creek	125.2	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-N19	UNT to Hominy Creek	125.3	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-159	NI-AR-122.6/NI-AR-123.2/ MVP-NI-160	OCDD	Minor	-	B2	-	-
S-N18	UNT to Hominy Creek	125.3	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-159	NI-AR-122.6/NI-AR-123.2/ MVP-NI-160	OCDD	Minor	-	B2	-	-
S-I40	UNT to Hominy Creek	125.7	Int	RPW	7.0	7.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-I40	UNT to Hominy Creek	125.7	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-M19	UNT to Brushy Meadow Creek	125.9	Eph	NRPW	5.0			0.0	Access Road Perm.	MVP-NI-159	NI-AR-122.6/NI-AR-123.2/ MVP-NI-160	OCDD	Minor	-	-	-	-
S-I36	Hominy Creek	126.5	Per	RPW	55.0	56.7 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	B	CW, B2, M	-	September 15 - March 31
S-I36	Hominy Creek	126.5	Per	RPW	55.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	B	CW, B2, M	-	September 15 - March 31

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I41	UNT to Hominy Creek	126.5	Int	RPW	8.0	8.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-I41	UNT to Hominy Creek	126.5	Int	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-I31	UNT to Hominy Creek	127.8	Eph	NRPW	2.0	2.9 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-I31	UNT to Hominy Creek	127.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-N8	UNT to Hominy Creek	128.0	Per	RPW	10.0		<0.1		Access Roads Work Space Temp.	MVP-NI-163	NI-AR-124.8	OCDD	Minor	-	B2	-	-
S-N8A	UNT to Hominy Creek	128.0	Per	RPW	4.0	11.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-VV1	UNT to Hominy Creek	128.0	Int	RPW	4.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-VV1	UNT to Hominy Creek	128.0	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-N8A	UNT to Hominy Creek	128.1	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-163	NI-AR-124.8	OCDD	Minor	-	-	-	-
TTWV-S-N8A	UNT to Hominy Creek	128.1	Int	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-N8A	UNT to Hominy Creek	128.1	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-VV1	UNT to Hominy Creek	128.1	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-NI-163	NI-AR-124.8	OCDD	Minor	-	-	-	-
S-VV1	UNT to Hominy Creek	128.1	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-163	NI-AR-124.8	OCDD	Minor	-	B2	-	-
S-H88	Sugar Branch	130.1	Per	RPW	40.0		0.1		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Inter-mediate	A,B,C	-	-	-
S-H88	Sugar Branch	130.1	Per	RPW	40.0	40.3 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-H88	Sugar Branch	130.1	Per	RPW	40.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-H89	UNT to Sugar Branch	130.1	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H90	UNT to Sugar Branch	130.1	Per	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Minor	-	-	-	-
S-H91	UNT to Sugar Branch	130.1	Per	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Minor	-	-	-	-
S-H92	UNT to Sugar Branch	130.1	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Minor	-	-	-	-
S-H93	UNT to Sugar Branch	130.1	Per	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-166	NI-AR-126.6	OCDD	Minor	-	-	-	-
S-H81	UNT to Hominy Creek	130.6	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-167	NI-AR-127.3	OCDD	Minor	-	B2	-	-
S-H81A	UNT to Hominy Creek	130.6	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-NI-167	NI-AR-127.3	OCDD	Minor	-	B2	-	-
S-H75	UNT to Hominy Creek	130.7	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-167	NI-AR-127.3	OCDD	Minor	-	B2	-	-
S-H76	UNT to Hominy Creek	130.8	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-NI-167	NI-AR-127.3	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H80	UNT to Hominy Creek	130.9	Int	RPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-H80	UNT to Hominy Creek	130.9	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-H79	UNT to Hominy Creek	130.9	Eph	NRPW	1.0		0.0		Access Roads Work Space Temp.	MVP-NI-167	NI-AR-127.3	OCDD	Minor	-	B2	-	-
S-H71	UNT to Hominy Creek	131.2	Per	RPW	12.0	15.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	B2	-	-
S-H71	UNT to Hominy Creek	131.2	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	B2	-	-
S-H67	UNT to Hominy Creek	131.4	Per	RPW	12.0	13.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	B2	-	-
S-H67	UNT to Hominy Creek	131.4	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	B2	-	-
S-H66	UNT to Hominy Creek	131.5	Int	RPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H64	UNT to Hominy Creek	131.8	Int	RPW	3.0	4.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	B2	-	-
S-H64	UNT to Hominy Creek	131.8	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	B2	-	-
S-V3	UNT to Hominy Creek	132.0	Per	RPW	12.0	63.7 j, k/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	B2	-	-
S-V3	UNT to Hominy Creek	132.0	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	B2	-	-
Greenbrier																	
S-J30	UNT to Meadow Creek	138.7	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-GB-177	GB-AR-134.2	OCDD	Minor	-	-	-	-
S-J31	UNT to Meadow Creek	138.8	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-GB-177	GB-AR-134.2	OCDD	Minor	-	-	-	-
S-J19	UNT to Meadow Creek	139.7	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J19	UNT to Meadow Creek	139.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-J20	Meadow Creek	140.1	Per	RPW	30.0	34.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	B2	-	Sept 15-March31
S-J20	Meadow Creek	140.1	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	B2	-	Sept 15-March31
S-I25	UNT to Meadow Creek	140.6	Int	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-		-	-
S-I25	UNT to Meadow Creek	140.6	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-		-	-
S-I26	UNT to Meadow Creek	140.7	Int	RPW	5.0	5.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-		-	-
S-I26	UNT to Meadow Creek	140.7	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-		-	-
S-I27	UNT to Meadow Creek	140.8	Int	RPW	5.0	5.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-		-	-
S-I27	UNT to Meadow Creek	140.8	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-		-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-M10	UNT to Meadow River	143.3	Int	RPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-GB-182	GB-AR-137.3/GB-AR-139	OCDD	Minor	-	WW	-	-
TTWV-S-38	UNT to Meadow River	143.5	Int	RPW	13.0			<0.1	Access Road Perm.	MVP-MLV-AR-17	GB-AR-139.2/ MVP-GB-183	OCDD	Inter-mediate	-	-	-	-
TTWV-S-37	UNT to Meadow River	143.5	Int	RPW	10.0			<0.1	Access Road Perm.	MVP-MLV-AR-17	GB-AR-139.2/ MVP-GB-183	OCDD	Minor	-	-	-	-
S-I28	Meadow River	143.7	Per	RPW	50.0	50.0		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-I28	Meadow River	143.7	Per	RPW	50.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-L26	UNT to Meadow River	143.8	Per	RPW	3.0	6.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-L26	UNT to Meadow River	143.8	Per	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-L23	UNT to Little Sewell Creek	145.4	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-GB-184	GB-AR-140.4	OCDD	Minor	-	-	-	-
S-L24	UNT to Little Sewell Creek	145.8	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L24	UNT to Little Sewell Creek	145.8	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L27	UNT to Little Sewell Creek	145.9	Per	RPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L27	UNT to Little Sewell Creek	145.9	Per	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L22	Little Sewell Creek	146.7	Per	RPW	30.0	30.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-L22	Little Sewell Creek	146.7	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-L31	UNT to Little Sewell Creek	146.7	Per	RPW	5.0			0.0	Access Road Perm.	MVP-GB-185	GB-AR-142	OCDD	Minor	-	-	-	-
S-L30	UNT to Little Sewell Creek	146.7	Int	RPW	3.0	11.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L30	UNT to Little Sewell Creek	146.7	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L20	UNT to Little Sewell Creek	147.0	Per	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L20	UNT to Little Sewell Creek	147.0	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L10	UNT to Boggs Creek	147.9	Per	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-GB-187	GB-AR-143.2	OCDD	Minor	-	-	-	-
S-L10	UNT to Boggs Creek	148.0	Per	RPW	3.0	6.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L10	UNT to Boggs Creek	148.0	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L11	UNT to Boggs Creek	148.0	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L11	UNT to Boggs Creek	148.0	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L18	UNT to Little Sewell Creek	148.1	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-GB-187	GB-AR-143.2	OCDD	Minor	-	-	-	-
S-L13	UNT to Little Sewell Creek	148.3	Int	RPW	1.5			0.0	Access Road Perm.	MVP-GB-187	GB-AR-143.2	OCDD	Minor	-	-	-	-
S-L12	UNT to Little Sewell Creek	148.4	Int	RPW	1.5			0.0	Access Road Perm.	MVP-GB-187	GB-AR-143.2	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I21	UNT to Boggs Creek	149.6	Per	RPW	5.0	5.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-I21	UNT to Boggs Creek	149.6	Per	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-I23A	UNT to Boggs Creek	149.6	Int	RPW	4.0			<0.1	Access Road Perm.	MVP-GB-189	GB-AR-143.8	OCDD	Minor	-	-	-	-
S-I23B	UNT to Boggs Creek	149.6	Int	RPW	4.0			0.0	Access Road Perm.	MVP-GB-189	GB-AR-143.8	OCDD	Minor	-	-	-	-
S-I22	UNT to Boggs Creek	149.6	Int	RPW	2.0	2.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-I22	UNT to Boggs Creek	149.6	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-W23	UNT to Meadow River	150.2	Int	RPW	3.0			0.0	Access Road Perm.	MVP-GB-190	GB-AR-145.2	OCDD	Minor	-	WW	-	-
S-W22	UNT to Meadow River	150.2	Eph	NRPW	2.5			0.0	Access Road Perm.	MVP-GB-190	GB-AR-145.2	OCDD	Minor	-	WW	-	-
S-HH7	UNT to Meadow River	150.3	Eph	NRPW	4.5		0.0		ATWS	MVP-ATWS-1199	MVP-GB-190	OCDD	Minor	-	WW	-	-
Fayette																	

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K30	UNT to Buffalo Creek	153.9	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A104	UNT to Buffalo Creek	154.1	Eph	NRPW	8.0			<0.1	Access Road Perm.	MVP-GB-190.01	MVP-GB-190.01	OCDD	Minor	-	-	-	-
S-A104	UNT to Buffalo Creek	154.1	Eph	NRPW	8.0			<0.1	CS Temp.	STALLWORTH CS FENCE	CS	OCDD	Minor	-	-	-	-
S-F45B	UNT to Buffalo Creek	154.1	Eph	NRPW	4.0			0.0	CS Temp.	STALLWORTH CS FENCE	CS	OCDD	Minor	-	-	-	-
S-K27	UNT to Buffalo Creek	154.3	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K27	UNT to Buffalo Creek	154.3	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Greenbrier																	
S-K25/S-K18	UNT to Buffalo Creek	154.5	Int	RPW	6.0	2.8		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K25/S-K18	UNT to Buffalo Creek	154.5	Int	RPW	6.0	3.8		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K25/S-K18	UNT to Buffalo Creek	154.5	Int	RPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K25/S-K18	UNT to Buffalo Creek	154.5	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-HH8	UNT to Buffalo Creek	154.5	Eph	NRPW	2.0		0.0		ATWS	MVP-ATWS-605	N/A	OCDD	Minor	-	-	-	-
S-K17	Buffalo Creek	154.6	Per	RPW	25.0	25.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-K17	Buffalo Creek	154.6	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-K20	UNT to Buffalo Creek	154.7	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K21	UNT to Buffalo Creek	154.9	Per	RPW	10.0	11.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K21	UNT to Buffalo Creek	154.9	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K22	UNT to Buffalo Creek	154.9	Per	RPW	7.0	7.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K22	UNT to Buffalo Creek	154.9	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-40	UNT to Morris Fork	155.2	Per	RPW	18.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-40	UNT to Morris Fork	155.2	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-42	Morris Fork	155.5	Per	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-GB-193	GB-AR-149.9	OCDD	Minor	-	-	-	-
TTWV-S-42	Morris Fork	155.5	Per	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-42	Morris Fork	155.5	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-44	UNT to Morris Fork	155.7	Eph	NRPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-44	UNT to Morris Fork	155.7	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-U22	UNT to Meadow River	156.4	Int	RPW	12.0	13.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-U22	UNT to Meadow River	156.4	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-
S-FF1	UNT to Meadow River	156.6	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-SU-195	SU-AR-151.3	OCDD	Minor	-	-	-	-
Summers																	
S-EE4	UNT to Red Spring Branch	158.5	Int	RPW	2.5	3.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-EE4	UNT to Red Spring Branch	158.5	Int	RPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-M6	UNT to Red Spring Branch	159.0	Eph	NRPW	4.0	4.6 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-M6	UNT to Red Spring Branch	159.0	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J13	UNT to Patterson Creek	160.0	Eph	NRPW	4.0	14.9 j, k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J13	UNT to Patterson Creek	160.0	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-M5	Red Spring Branch	160.5	Eph	NRPW	6.0	7.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-M5	Red Spring Branch	160.5	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-M4	UNT to Lick Creek	160.9	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-SU-198	SU-AR-155.1	OCDD	Minor	-	WW	-	-
S-J12	UNT to Lick Creek	161.0	Eph	NRPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-SU-198	SU-AR-155.1	OCDD	Minor	-	WW	-	-
S-I13	UNT to Lick Creek	161.4	Int	RPW	15.0	17.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-
S-I13	UNT to Lick Creek	161.4	Int	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-
S-I14	UNT to Lick Creek	161.5	Int	RPW	7.0	9.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I14	UNT to Lick Creek	161.5	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I12	Lick Creek	161.6	Int	RPW	4.0			0.0	Access Road Perm.	MVP-SU-199	SU-AR-155.9	OCDD	Minor	-	WW	-	-
S-I11	UNT to Lick Creek	161.6	Eph	NRPW	2.0			<0.1	Access Road Perm.	MVP-SU-199	SU-AR-155.9	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I15	UNT to Lick Creek	161.7	Int	RPW	10.0	10.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I15	UNT to Lick Creek	161.7	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I16	UNT to Lick Creek	161.7	Int	RPW	4.0	4.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I16	UNT to Lick Creek	161.7	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I10	UNT to Lick Creek	161.7	Eph	NRPW	3.0			0.0	Access Road Perm.	MVP-SU-199	SU-AR-155.9	OCDD	Minor	-	WW	-	-
S-I17	UNT to Lick Creek	162.2	Eph	NRPW	2.5	5.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-I17	UNT to Lick Creek	162.2	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-I19	Lick Creek	162.6	Per	RPW	15.0	15.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW	-	-
S-I19	Lick Creek	162.6	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW	-	-
S-I18	UNT to Lick Creek	162.6	Per	RPW	12.0		<0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	WW	-	-
S-I20	UNT to Lick Creek	162.6	Per	RPW	10.0	13.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-I20	UNT to Lick Creek	162.6	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
TTWV-S-137	Lick Creek	162.7	Per	RPW	25.0		0.3		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-51	Lick Creek	162.7	Per	RPW	25.0		0.3		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-47	UNT to Lick Creek	162.7	Per	RPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-48	UNT to Lick Creek	162.7	Eph	NRPW	15.0		0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-49	UNT to Lick Creek	162.7	Eph	NRPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-50	UNT to Lick Creek	162.7	Eph	NRPW	15.0		<0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Inter-mediate	-	-	-	-
TTWV-S-52	UNT to Lick Creek	162.7	Int	RPW	10.0		<0.1		Access Roads Work Space Temp.	MVP-SU-200	SU-AR-157	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-QQ10	UNT to Stonelick Branch	164.8	Eph	NRPW	4.0		<0.1		ATWS	MVP-ATWS-1176	MVP-SU-201	OCDD	Minor	-	-	-	-
S-J10	UNT to Stonelick Branch	165.1	Eph	NRPW	5.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
S-J9	UNT to Stonelick Branch	165.1	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
S-L7	UNT to Stonelick Branch	165.1	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
S-L8	UNT to Stonelick Branch	165.1	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
S-J7	UNT to Stonelick Branch	165.2	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
S-J8	UNT to Stonelick Branch	165.2	Eph	NRPW	5.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L6	UNT to Stonelick Branch	165.2	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-SU-201	SU-AR-159.1	OCDD	Minor	-	-	-	-
TTWV-S-56	UNT to Stonelick Branch	165.6	Eph	NRPW	10.0			<0.1	Access Road Perm.	MVP-SU-202	SU-AR-159.5	OCDD	Minor	-	-	-	-
TTWV-S-57	UNT to Stonelick Branch	165.6	Eph	NRPW	10.0			<0.1	Access Road Perm.	MVP-SU-202	SU-AR-159.5	OCDD	Minor	-	-	-	-
TTWV-S-54	UNT to Stonelick Branch	165.6	Eph	NRPW	7.0			<0.1	Access Road Perm.	MVP-SU-202	SU-AR-159.5	OCDD	Minor	-	-	-	-
TTWV-S-59	UNT to Stonelick Branch	166.0	Eph	NRPW	15.0			<0.1	Access Road Perm.	MVP-SU-202	SU-AR-159.5	OCDD	Inter-mediate	-	-	-	-
TTWV-S-60	UNT to Stonelick Branch	166.0	Eph	NRPW	7.0			<0.1	Access Road Perm.	MVP-SU-202	SU-AR-159.5	OCDD	Minor	-	-	-	-
S-N5	UNT to Hungard Creek	168.5	Per	RPW	2.0	2.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-N5	UNT to Hungard Creek	168.5	Per	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-K14	UNT to Righthand Fork Hungard Creek	169.1	Eph	NRPW	4.0	5.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-K14	UNT to Righthand Fork Hungard Creek	169.1	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-N2	Hungard Creek	169.3	Per	RPW	20.0	21.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-N2	Hungard Creek	169.3	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-N3	UNT to Hungard Creek	169.3	Eph	NRPW	5.0	6.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-N3	UNT to Hungard Creek	169.3	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-N4	UNT to Hungard Creek	169.4	Eph	RPW	3.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-N4	UNT to Hungard Creek	169.4	Eph	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-M2	UNT to Hungard Creek	169.7	Int	RPW	3.0	4.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	WW	-	-
S-M2	UNT to Hungard Creek	169.7	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	WW	-	-
S-M1	Hungard Creek	169.8	Per	RPW	20.0	21.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-M1	Hungard Creek	169.8	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
TTWV-S-64	UNT to Green brier River	170.0	Per	RPW	15.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-64	UNT to Green brier River	170.0	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-65	UNT to Green brier River	170.1	Int	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-65	UNT to Greenbrier River	170.1	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-66	UNT to Greenbrier River	170.1	Eph	NRPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-66	UNT to Greenbrier River	170.1	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-68	UNT to Greenbrier River	170.2	Eph	NRPW	5.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-68	UNT to Greenbrier River	170.2	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-67	UNT to Greenbrier River	170.3	Eph	NRPW	8.0		<0.1		ATWS	MVP-ATWS-557	N/A	OCDD	Minor	-	-	-	-
TTWV-S-67	UNT to Greenbrier River	170.3	Eph	NRPW	8.0		<0.1		ATWS	MVP-ATWS-557A	N/A	OCDD	Minor	-	-	-	-
TTWV-S-67	UNT to Greenbrier River	170.3	Eph	NRPW	8.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-67	UNT to Greenbrier River	170.3	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-139	UNT to Greenbrier River	170.5	Per	RPW	8.0		0.1		Access Roads Work Space Temp.	MVP-SU-205	SU-AR-164.4	OCDD	Minor	-	-	-	-
TTWV-S-139	UNT to Greenbrier River	170.5	Per	RPW	8.0		0.1		ATWS	MVP-ATWS-558	MVP-SU-205	OCDD	Minor	-	-	-	-
TTWV-S-139	UNT to Greenbrier River	170.5	Per	RPW	8.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-139	UNT to Greenbrier River	170.5	Per	RPW	8.0		0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-I8	Greenbrier River	170.6	Per	TNW	270.0	324.6 j/		0.4	ROW Perm. Ease-ment	-	-	OCWD	Major	A, C	WW, M	-	April 1 - June 30
S-I8	Greenbrier River	170.6	Per	TNW	270.0		0.2		Temp. Work Space	-	-	OCWD	Major	A, C	WW, M	-	April 1 - June 30
S-K7	UNT to Greenbrier River	171.0	Eph	RPW	3.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-L4	UNT to Greenbrier River	171.1	Per	RPW	10.0	10.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-L4	UNT to Greenbrier River	171.1	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-69	UNT to Greenbrier River	171.3	Eph	NRPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-SU-208	SU-AR-165.4	OCDD	Minor	-	-	-	-
S-L2	UNT to Greenbrier River	171.3	Int	RPW	4.0	4.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L2	UNT to Greenbrier River	171.3	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-K5	UNT to Kelly Creek	171.6	Eph	NRPW	2.0		0.1		Access Roads Work Space Temp.	MVP-SU-208.01	SU-AR-165.4/ MVP-SU-208	OCDD	Minor	-	-	-	-
S-K5	UNT to Kelly Creek	171.6	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-SU-208.01	SU-AR-165.4/ MVP-SU-208	OCDD	Minor	-	-	-	-
S-L1	UNT to Kelly Creek	171.7	Per	RPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-L1	UNT to Kelly Creek	171.7	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-K3	UNT to Kelly Creek	171.7	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-SU-208.01	SU-AR-165.4/ MVP-SU-208	OCDD	Minor	-	-	-	-
S-K3	UNT to Kelly Creek	171.7	Int	RPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-SU-208.01	SU-AR-165.4/ MVP-SU-208	OCDD	Minor	-	-	-	-
S-K4	UNT to Kelly Creek	171.7	Int	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-SU-208.01	SU-AR-165.4/ MVP-SU-208	OCDD	Minor	-	-	-	-
S-J5	Kelly Creek	171.8	Per	RPW	20.0	20.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-J5	Kelly Creek	171.8	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-J4	UNT to Kelly Creek	172.3	Int	RPW	5.0	5.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J4	UNT to Kelly Creek	172.3	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-J2	UNT to Kelly Creek	173.0	Eph	NRPW	4.0	4.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-J2	UNT to Kelly Creek	173.0	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G47	UNT to Wind Creek	173.3	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G47	UNT to Wind Creek	173.3	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Monroe																	
TTWV-S-73	UNT to Stony Creek	175.3	Eph	NRPW	9.0		0.0		Access Roads Work Space Temp.	MVP-MO-212	MO-AR-169.3	OCDD	Minor	-	-	-	-
S-G48	Wind Creek	175.9	Per	RPW	20.0	20.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C, D	-	-	-
S-G48	Wind Creek	175.9	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C, D	-	-	-
S-G49	UNT to Wind Creek	175.9	Per	RPW	20.0	23.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-G49	UNT to Wind Creek	175.9	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-G52	UNT to Wind Creek	175.9	Eph	NRPW	2.0	2.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G52	UNT to Wind Creek	175.9	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-PP13	UNT to Wind Creek	176.2	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-MO-212	MO-AR-169.3	OCDD	Minor	-	-	-	-
S-PP13	UNT to Wind Creek	176.2	Eph	NRPW	4.0		0.0		ATWS	MVP-ATWS-1081	MVP-MO-212	OCDD	Minor	-	-	-	-
S-H61	UNT to Stoney Creek	176.6	Per	RPW	25.0	25.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H61	UNT to Stoney Creek	176.6	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Q17	UNT to Stoney Creek	176.6	Per	RPW	15.0		0.1		Access Roads Work Space Temp.	MVP-MO-214	MO-AR-170	OCDD	Inter-mediate	-	-	-	-
TTWV-S-75	Stony Creek	178.2	Per	RPW	40.0		<0.1		Access Roads Work Space Temp.	MVP-MO-216	MO-AR-171.8	OCDD	Inter-mediate	-	-	-	-
TTWV-S-75	Stony Creek	178.2	Per	RPW	40.0			0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-75	Stony Creek	178.2	Per	RPW	40.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-76	UNT to Stony Creek	178.3	Per	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-MO-216	MO-AR-171.8	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-78	UNT to Stony Creek	178.4	Eph	NRPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-82	UNT to Stony Creek	178.8	Eph	NRPW	11.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-83	UNT to Little Stony Creek	178.9	Int	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-83	UNT to Little Stony Creek	178.9	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-85	UNT to Little Stony Creek	179.1	Eph	NRPW	10.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-85	UNT to Little Stony Creek	179.1	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-86	UNT to Little Stony Creek	179.2	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-87	UNT to Little Stony Creek	179.2	Eph	NRPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-130	UNT to Little Stony Creek	179.5	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-95	UNT to Little Stony Creek	179.6	Eph	NRPW	10.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTWV-S-95	UNT to Little Stony Creek	179.6	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-A63	Slate Run	181.4	Per	RPW	10.0	10.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A63	Slate Run	181.4	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A61	UNT to Slate Run	181.5	Eph	NRPW	7.0		<0.1		Access Roads Work Space Temp.	MVP-MO-218	MO-AR-174.7	OCDD	Minor	-	-	-	-
S-A61	UNT to Slate Run	181.5	Eph	NRPW	7.0	7.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A61	UNT to Slate Run	181.5	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A60	Slate Run	181.6	Per	RPW	18.0	19.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A60	Slate Run	181.6	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-D31	Indian Creek	181.9	Per	RPW	65.0	100.1 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
S-D31	Indian Creek	181.9	Per	RPW	65.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, M	-	April 1 - June 30
TTWV-S-143	UNT to Indian Creek	182.5	Eph	NRPW	5.0		0.0		Access Roads Work Space Temp.	MVP-MO-219	MO-AR-175.1	OCDD	Minor	-	-	-	-
TTWV-S-96	UNT to Indian Creek	182.5	Int	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-MO-219	MO-AR-175.1	OCDD	Minor	-	-	-	-
TTWV-S-97	UNT to Indian Creek	182.5	Eph	NRPW	5.0		0.0		Access Roads Work Space Temp.	MVP-MO-219	MO-AR-175.1	OCDD	Minor	-	-	-	-
TTWV-S-98	UNT to Indian Creek	182.5	Per	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-MO-219	MO-AR-175.1	OCDD	Minor	-	-	-	-
TTWV-S-99	UNT to Indian Creek	182.5	Per	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-MO-219	MO-AR-175.1	OCDD	Minor	-	-	-	-
TTWV-S-102	UNT to Hans Creek	183.1	Int	RPW	7.0			<0.1	Access Road Perm.	MVP-MO-220	MVP-MO-214	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-F18	UNT to Hans Creek	183.1	Per	RPW	7.0			<0.1	Access Road Perm.	MVP-MO-220	MVP-MO-214	OCDD	Minor	-	-	-	-
S-D25	UNT to Hans Creek	183.2	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D25	UNT to Hans Creek	183.2	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-100	UNT to Hans Creek	183.2	Eph	NRPW	4.0			0.0	Access Road Perm.	MVP-MO-220	MVP-MO-214	OCDD	Minor	-	-	-	-
TTWV-S-101	UNT to Hans Creek	183.2	Eph	NRPW	4.0			0.0	Access Road Perm.	MVP-MO-220	MVP-MO-214	OCDD	Minor	-	-	-	-
S-F19	UNT to Hans Creek	183.3	Per	RPW	18.0	30.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F19	UNT to Hans Creek	183.3	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Z4	UNT to Hans Creek	184.4	Eph	NRPW	2.5	2.5		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Z4	UNT to Hans Creek	184.4	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Z5	UNT to Hans Creek	184.4	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Z5	UNT to Hans Creek	184.4	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-103	UNT to Hans Creek	184.8	Per	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-103	UNT to Hans Creek	184.8	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-105	UNT to Hans Creek	184.8	Eph	NRPW	3.0		0.0		ATWS	MVP-ATWS-1107	MVP-MO-223	OCDD	Minor	-	-	-	-
TTWV-S-Z106	UNT to Hans Creek	184.8	Per	RPW	3.0		<0.1		ATWS	MVP-ATWS-1107	MVP-MO-223	OCDD	Minor	-	-	-	-
TTWV-S-Z106	UNT to Hans Creek	184.8	Per	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-Z106	UNT to Hans Creek	184.8	Per	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-107	UNT to Hans Creek	186.1	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H59	UNT to Hans Creek	186.2	Int	RPW	4.0		<0.1		Access Roads Work Space Temp.	MVP-MO-225	MO-AR-179.6	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H60	UNT to Hans Creek	186.3	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-MO-225	MO-AR-179.6	OCDD	Minor	-	-	-	-
TTWV-S-108	Hans Creek	186.8	Per	RPW	16.0		0.1		Access Roads Work Space Temp.	MVP-MO-226	MO-AR-179.7	OCDD	Inter-mediate	-	-	-	-
TTWV-S-108	Hans Creek	186.8	Per	RPW	16.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-108	Hans Creek	186.8	Per	RPW	16.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-109	UNT to Hans Creek	186.8	Per	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-MO-226	MO-AR-179.7	OCDD	Minor	-	-	-	-
TTWV-S-145	UNT to Hans Creek	187.0	Eph	NRPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-146	UNT to Blue Lick Creek	187.5	Int	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-147	UNT to Blue Lick Creek	187.6	Eph	NRPW	8.0			0.0	Access Road Perm.	MVP-MO-227	MO-AR-180.3	OCDD	Minor	-	-	-	-
TTWV-S-111	UNT to Blue Lick Creek	187.9	Int	RPW	12.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-111	UNT to Blue Lick Creek	187.9	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-112	UNT to Blue Lick Creek	187.9	Int	RPW	12.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-112	UNT to Blue Lick Creek	187.9	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTWV-S-113	UNT to Blue Lick Creek	187.9	Eph	NRPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-MM35	UNT to Blue Lick Creek	188.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G42	UNT to Hans Creek	189.1	Int	RPW	3.0	3.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G42	UNT to Hans Creek	189.1	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-120	UNT to Blue Lick Creek	189.9	Int	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTWV-S-120	UNT to Blue Lick Creek	189.9	Int	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-121	Blue Lick Creek	190.0	Per	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-121	Blue Lick Creek	190.0	Per	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-122	UNT to Hans Creek	190.1	Eph	NRPW	8.0			<0.1	Access Road Perm.	MVP-MO-228	MO-AR-182.5	OCDD	Minor	-	-	-	-
TTWV-S-127	UNT to Hans Creek	190.1	Eph	NRPW	8.0			<0.1	Access Road Perm.	MVP-MO-228	MO-AR-182.5	OCDD	Minor	-	-	-	-
TTWV-S-126	UNT to Hans Creek	190.1	Eph	NRPW	7.0			<0.1	Access Road Perm.	MVP-MO-228	MO-AR-182.5	OCDD	Minor	-	-	-	-
TTWV-S-124	UNT to Hans Creek	190.2	Per	RPW	7.0			<0.1	Access Road Perm.	MVP-MO-228	MO-AR-182.5	OCDD	Minor	-	-	-	-
S-E43	UNT to Dry Creek	190.7	Eph	RPW	7.0	7.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E43	UNT to Dry Creek	190.7	Eph	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E45	UNT to Dry Creek	190.7	Eph	NRPW	3.0	4.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E45	UNT to Dry Creek	190.7	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E40	Dry Creek	191.1	Per	RPW	12.0		<0.1		Access Roads Work Space Temp.	MVP-MO-230	MO-AR-184.4	OCDD	Inter-mediate	A,B,C	-	-	-
S-E40	Dry Creek	191.1	Per	RPW	12.0	12.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-E40	Dry Creek	191.1	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-E39	UNT to Dry Creek	191.1	Eph	NRPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E39	UNT to Dry Creek	191.1	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E41	UNT to Dry Creek	191.1	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C38	UNT to Painter Run	193.6	Int	RPW	7.0	7.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C38	UNT to Painter Run	193.6	Int	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C39	Painter Run	193.6	Per	RPW	5.0	5.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C39	Painter Run	193.6	Per	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C41	UNT to Painter Run	193.6	Int	RPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C41	UNT to Painter Run	193.6	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C40	UNT to Painter Run	193.7	Per	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-MO-231.01	MVP-MO-231.01	OCDD	Minor	-	-	-	-
TTWV-S-131	UNT to Painter Run	193.7	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-131	UNT to Painter Run	193.7	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTWV-S-157	UNT to Painter Run	194.2	Int	RPW	5.0		<0.1		ATWS	MVP-ATWS-1059	N/A	OCDD	Minor	-	-	-	-
TTWV-S-157	UNT to Painter Run	194.2	Int	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTWV-S-157	UNT to Painter Run	194.2	Int	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
VIRGINIA																	
Giles																	
S-PP14	Kimballton Branch	195.8	Per	RPW	14.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-PP15	UNT to Kimballton Branch	195.8	Per	RPW	6.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-SS3	UNT to Kimballton Branch	195.8	Eph	NRPW	3.5	16.5 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-SS3	UNT to Kimballton Branch	195.8	Eph	NRPW	3.5		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-PP18	Curve Branch	196.9	Int	RPW	4.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-PP18	Curve Branch	196.9	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-PP19	UNT to Curve Branch	196.9	Int	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Q11	UNT to Stony Creek	196.9	Int	RPW	3.0		0.0		Access Roads Work Space Temp.			OCDD	Minor				
S-Q11	UNT to Stony Creek	196.9	Int	RPW	3.0			<0.1	Access Road Perm.			OCDD	Minor				
S-PP16	UNT to Stony Creek	196.9	Eph	NRPW	2.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-PP17	UNT to New River	196.9	Int	RPW	2.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-QQ4	UNT/Stony Creek	197.4	Int	NRPW	12.0		0.6		Access Roads Work Space Temp.	MVP-GI-233	MVP-GI-233	OCDD	Inter-mediate	-	-	-	-
S-QQ4	UNT/Stony Creek	197.4	Int	NRPW	12.0		0.0		Access Roads Work Space Temp.	MVP-GI-233	MVP-GI-233	OCDD	Inter-mediate	-	-	-	-
S-Q11	UNT to Stony Creek	197.4	Eph	NRPW	4.0		<0.1		ATWS	MVP-ATWS-1121	MVP-GI-233	OCDD	Minor	-	-	-	-
S-QQ4	UNT/Stony Creek	197.5	Int	NRPW	12.0		0.0		ATWS	MVP-ATWS-1122	MVP-GI-233	OCDD	Inter-mediate	-	-	-	-
S-RR07	UNT to Stony Creek	197.5	Eph	NRPW	6.0		0.0		Access Roads Work Space Temp.	MVP-GI-233	MVP-GI-233	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Q13	Kimballton Branch	198.0	Per	RPW	15.0	22.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-Q13	Kimballton Branch	198.0	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-Q12	UNT to Kimballton Branch	198.0	Eph	NRPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Q12	UNT to Kimballton Branch	198.0	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Q14	Kimballton Branch	198.1	Int	RPW	12.0			<0.1	Access Road Perm.	MVP-GI-234	MVP-GI-234	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-PP19	UNT to Curve Branch	198.5	Int	NRPW	3.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH16	UNT to Clendennin Creek	198.8	Per	RPW	5.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH16	UNT to Clendennin Creek	198.8	Per	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-UU9	Clendennin Creek	198.8	Per	RPW	5.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-SS2	UNT to Clendennin Creek	198.9	Int	RPW	10.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH13	UNT to Clendennin Creek	198.9	Per	RPW	8.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH13	UNT to Clendennin Creek	198.9	Per	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH15	UNT to Clendennin Creek	198.9	Per	RPW	5.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-SS1	UNT to Clendennin Creek	198.9	Eph	NRPW	5.0		0.0		ATWS	MVP-ATWS-1120	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH11	UNT to Clendennin Creek	198.9	Eph	NRPW	4.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH12	UNT to Clendennin Creek	198.9	Eph	NRPW	3.0			0.0	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-HH14	UNT to Clendennin Creek	198.9	Eph	NRPW	3.0			<0.1	Access Road Perm.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-HH14	UNT to Clendennin Creek	198.9	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-GI-232	MVP-GI-232	OCDD	Minor	-	-	-	-
S-P6	UNT to Stony Creek	199.1	Eph	NRPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-P6	UNT to Stony Creek	199.1	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-S5	Stony Creek	199.4	Per	RPW	40.0	40.1 j/		0.2	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT, ST, TE	Green floater, Candy darter, pistolgrip	August 15 - July 31
S-S5	Stony Creek	199.4	Per	RPW	40.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT, ST, TE	Green floater, Candy darter, pistolgrip	August 15 - July 31
S-G30	UNT to Dry Branch	201.0	Eph	NRPW	8.0	8.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G30	UNT to Dry Branch	201.0	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G29	UNT to Dry Branch	201.0	Eph	NRPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G29	UNT to Dry Branch	201.0	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G31	UNT to Dry Branch	201.3	Eph	RPW	5.0	5.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G31	UNT to Dry Branch	201.3	Eph	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G32	UNT to Dry Branch	201.4	Int	RPW	6.0	8.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G32	UNT to Dry Branch	201.4	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G33	UNT to Dry Branch	201.7	Per	RPW	8.0	8.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G33	UNT to Dry Branch	201.7	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G35	UNT to Little Stony Creek	202.5	Per	RPW	25.0	36.6 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-G35	UNT to Little Stony Creek	202.5	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-SS4	UNT to Little Stony Creek	202.7	Eph	NRPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-SS4	UNT to Little Stony Creek	202.7	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z9	UNT to Little Stony Creek	202.8	Per	RPW	4.0	4.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z9	UNT to Little Stony Creek	202.8	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z7	UNT to Little Stony Creek	203.0	Int	RPW	3.0	6.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z7	UNT to Little Stony Creek	203.0	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z10	UNT to Little Stony Creek	203.3	Per	RPW	12.0	12.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-Z10	UNT to Little Stony Creek	203.3	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-Z11	Little Stony Creek	203.3	Per	RPW	5.0	5.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT, ST	-	October 1 - June 30
S-Z11	Little Stony Creek	203.3	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT, ST	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Z13	Little Stony Creek	203.4	Per	TNW	25.0	26.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT, ST	-	October 1 - June 30
S-Z13	Little Stony Creek	203.4	Per	TNW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT, ST	-	October 1 - June 30
S-Z12	UNT to Little Stony Creek	203.4	Int	RPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z12	UNT to Little Stony Creek	203.4	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z14	UNT to Little Stony Creek	203.5	Int	RPW	4.0	4.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Z14	UNT to Little Stony Creek	203.5	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-A35	UNT to Doe Creek	204.0	Eph	NRPW	3.3	4.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C	-	-	-
S-A35	UNT to Doe Creek	204.0	Eph	NRPW	3.3		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C	-	-	-
S-A34	UNT to Doe Creek	204.2	Eph	NRPW	7.0	8.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C	-	-	-
S-A34	UNT to Doe Creek	204.2	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	A,B,C	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A33	UNT to Doe Creek	204.3	Eph	NRPW	7.0	10.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C	-	-	-
S-A33	UNT to Doe Creek	204.3	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	A,B,C	-	-	-
S-A32	UNT to Doe Creek	204.8	Per	RPW	16.0	16.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-A32	UNT to Doe Creek	204.8	Per	RPW	16.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	A,B,C	-	-	-
S-Y2	Doe Creek	205.6	Per	RPW	25.0	26.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-Y2	Doe Creek	205.6	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Y3	UNT to Doe Creek	205.6	Eph	RPW	10.0	20.4 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	A,B,C	-	-	-
S-Y3	UNT to Doe Creek	205.6	Eph	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	A,B,C	-	-	-
S-E20	UNT to Sinking Creek	206.1	Eph	NRPW	25.0	43.3 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-E20	UNT to Sinking Creek	206.1	Eph	NRPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E21	UNT to Sinking Creek	206.3	Eph	NRPW	5.0	5.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E21	UNT to Sinking Creek	206.3	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E22	UNT to Sinking Creek	206.5	Eph	NRPW	4.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E22	UNT to Sinking Creek	206.5	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Y4	UNT to Sinking Creek	206.6	Eph	NRPW	3.0	3.8 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Y4	UNT to Sinking Creek	206.6	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Y5	UNT to Sinking Creek	206.6	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Y5	UNT to Sinking Creek	206.6	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Y6	UNT to Sinking Creek	206.6	Eph	NRPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-Y6	UNT to Sinking Creek	206.6	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E24	UNT to Sinking Creek	206.7	Per	RPW	20.0	20.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-E24	UNT to Sinking Creek	206.7	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-E23	UNT to Sinking Creek	206.7	Eph	NRPW	15.0	17.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-E23	UNT to Sinking Creek	206.7	Eph	NRPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-E25 Downstream	UNT to Sinking Creek	206.7	Per	RPW	8.0	18.7 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E25 Downstream	UNT to Sinking Creek	206.7	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E25 Upstream	UNT to Sinking Creek	206.8	Per	RPW	10.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-E25 Upstream	UNT to Sinking Creek	206.8	Per	RPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-RR4	UNT to Sinking Creek	207.2	Per	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-GI-243.01	MVP-GI-243.01	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-RR5	UNT to Sinking Creek	207.3	Per	RPW	10.0	11.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-RR5	UNT to Sinking Creek	207.3	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-RR3	UNT to Sinking Creek	207.4	Eph	NRPW	7.0		<0.1		Access Roads Work Space Temp.	MVP-GI-243.01	MVP-GI-243.01	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTVA-S-002	UNT to Sinking Creek	208.3	Eph	NRPW	5.0		0.0		Access Roads Work Space Temp.	MVP-GI-245.01	MVP-GI-245.01	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTVA-S-004	UNT to Sinking Creek	209.0	Eph	NRPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-GI-245.03	MVP-GI-245.03	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-004	UNT to Sinking Creek	209.0	Eph	NRPW	8.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTVA-S-004	UNT to Sinking Creek	209.0	Eph	NRPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-QQ3	UNT to Sinking Creek	209.0	Eph	NRPW	2.0		0.0		Access Roads Work Space Temp.	MVP-GI-245.03	MVP-GI-245.03	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-QQ3	UNT to Sinking Creek	209.0	Eph	NRPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-QQ3	UNT to Sinking Creek	209.0	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN17	Sinking Creek	209.9	Per	RPW	70.0	73.2 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-NN17	Sinking Creek	209.9	Per	RPW	70.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-OO19	Greenbriar Branch	211.7	Per	RPW	15.0	15.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-OO19	Greenbriar Branch	211.7	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-RR1	UNT to Greenbrier Branch	211.7	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-GI-253.01	MVP-GI-253.01	OCDD	Minor	-	-	-	-
S-MM18	UNT to Sinking Creek	212.4	Eph	NRPW	5.0	5.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-MM18	UNT to Sinking Creek	212.4	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-MM17	UNT to Sinking Creek	212.4	Per	RPW	2.0		0.0		Access Roads Work Space Temp.	MVP-GI-253.02	MVP-GI-253.02	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN12	UNT to Sinking Creek	213.0	Eph	RPW	2.0	2.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN12	UNT to Sinking Creek	213.0	Eph	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN13	UNT to Sinking Creek	213.3	Int	RPW	2.0			0.0	Access Road Perm.	MVP-GI-256	MVP-GI-256	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN11	UNT to Sinking Creek	213.5	Int	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-NN11	UNT to Sinking Creek	213.5	Int	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN14	UNT to Sinking Creek	213.5	Int	RPW	5.0			0.1	Access Road Perm.	MVP-GI-256	MVP-GI-256	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN14	UNT to Sinking Creek	213.5	Int	RPW	5.0		0.1		Access Roads Work Space Temp.	MVP-GI-256	MVP-GI-256	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-NN9	UNT to Sinking Creek	213.6	Per	RPW	5.0			<0.1	Access Road Perm.	MVP-GI-256	MVP-GI-256	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-OO13	UNT to Sinking Creek	215.2	Per	RPW	20.0	84.1 j, k/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-OO13	UNT to Sinking Creek	215.2	Per	RPW	20.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-OO14	UNT to Sinking Creek	215.2	Per	RPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-OO14	UNT to Sinking Creek	215.2	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-OO15	UNT to Sinking Creek	215.2	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-OO13	UNT to Sinking Creek	215.3	Per	RPW	20.0			0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-OO12	UNT to Sinking Creek	215.3	Eph	NRPW	2.0	3.5 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-OO12	UNT to Sinking Creek	215.3	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
Craig																	
S-PP1	UNT to Sinking Creek	216.0	Int	RPW	3.0	5.5 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-PP1	UNT to Sinking Creek	216.0	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-PP2	UNT to Sinking Creek	216.0	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-PP2	UNT to Sinking Creek	216.0	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-PP3	UNT to Sinking Creek	216.3	Per	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-PP3	UNT to Sinking Creek	216.3	Per	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-QQ2	Sinking Creek	216.4	Per	RPW	35.0		<0.1		Access Roads Work Space Temp.	MVP-CR-258.02	MVP-GI-258.02	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
S-PP4	UNT to Sinking Creek	216.5	Int	RPW	2.0	2.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
S-PP4	UNT to Sinking Creek	216.5	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
Montgomery																	
S-PP22	UNT to Craig Creek	217.4	Int	RPW	2.5			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-PP22	UNT to Craig Creek	217.4	Int	RPW	2.5		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-PP20	UNT to Craig Creek	217.8	Int	RPW	6.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-PP20	UNT to Craig Creek	217.8	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-PP21	UNT to Craig Creek	217.8	Eph	NRPW	4.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-PP21	UNT to Craig Creek	217.8	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-OO6	Craig Creek	218.2	Per	RPW	35.0	40.5 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, TE	James spinym ussel, Atlantic pigtoe	March 1 - July 31
S-OO6	Craig Creek	218.2	Per	RPW	35.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, TE	James spinym ussel, Atlantic pigtoe	March 1 - July 31
S-RR13	Craig Creek	218.3	Per	RPW	35.0		0.1		Access Roads Work Space Temp.	MVP-GI-258.05	MVP-GI-258.05	OCDD	Inter-mediate	-	CW, TE	James spinym ussel, Atlantic pigtoe	March 1 - July 31
S-RR14	UNT to Craig Creek	218.3	Eph	NRPW	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-RR14	UNT to Craig Creek	218.3	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-HH17	Craig Creek	218.6	Per	RPW	18.0	48.7 k/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, TE	James spinym ussel, Atlantic pigtoe	March 1 - July 31

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-HH17	Craig Creek	218.6	Per	RPW	18.0		0.2		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, TE	James spinym ussel, Atlantic pigtoe	March 1 - July 31
S-HH18	UNT to Craig Creek	218.6	Per	RPW	6.0	6.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-HH18	UNT to Craig Creek	218.6	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-HH19	UNT to Craig Creek	218.6	Per	RPW	4.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-HH19	UNT to Craig Creek	218.6	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-006	UNT to North Fork Roanoke	220.0	Int	RPW	7.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-006	UNT to North Fork Roanoke	220.0	Int	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-007	UNT to North Fork Roanoke	220.7	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-007	UNT to North Fork Roanoke	220.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-008	UNT to North Fork Roanoke	220.8	Eph	NRPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-008	UNT to North Fork Roanoke	220.8	Eph	NRPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-NN3	UNT to North Fork Roanoke River	223.2	Eph	NRPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM6	UNT to North Fork Roanoke River	223.2	Per	RPW	7.0			<0.1	Access Roads Perm.	MVP-MN-263	MVP-MN-263	OCDD	Minor	-	-	-	-
S-MM6	UNT to North Fork Roanoke River	223.2	Per	RPW	7.0		0.0		ATWS	MVP-ATWS-1154	MVP-MN-263	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM7	UNT to North Fork Roanoke River	223.2	Eph	NRPW	2.0		<0.1		ATWS	MVP-ATWS-1154	MVP-MN-263	OCDD	Minor	-	-	-	-
S-E38	Mill Creek	223.9	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	CW, WT	Yellow lampmussel	August 15 - June 30
S-E38	Mill Creek	224.0	Per	RPW	25.0		<0.1		Access Roads Work Space Temp.	MVP-MN-264	MVP-MN-264	OCDD	Inter-mediate	-	CW, WT	Yellow lampmussel	August 15 - June 30
S-E38	Mill Creek	224.0	Per	RPW	25.0	25.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	CW, WT	Yellow lampmussel	August 15 - June 30
S-NN4	Skelt Run	224.0	Per	RPW	16.0		<0.1		Access Roads Work Space Temp.	MVP-MN-264	MVP-MN-264	OCDD	Inter-mediate	-	-	-	-
S-NN5	Mill Creek	224.0	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MN-264	MVP-MN-264	OCDD	Minor	-	CW, WT	Yellow lampmussel	August 15 - June 30
S-E36	UNT to North Fork Roanoke River	225.0	Int	RPW	4.0	5.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E36	UNT to North Fork Roanoke River	225.0	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G36	North Fork Roanoke River	225.8	Per	RPW	20.0			<0.1	Access Roads Perm.	MVP-MN-268	MVP-MN-268	OCDD	Inter-mediate	AL,FC, R, W	CW, TE, WT	Roanoke logperch	October 1 - June 30
S-G36	North Fork Roanoke River	225.8	Per	RPW	20.0	25.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL,FC, R, W	CW, TE, WT	Roanoke logperch	October 1 - June 30
S-G36	North Fork Roanoke River	225.8	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL,FC, R, W	CW, TE, WT	Roanoke logperch	October 1 - June 30
S-G38	UNT to North Fork Roanoke River	225.9	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MN-268	MVP-MN-268	OCDD	Minor	-	-	-	-
S-G38	UNT to North Fork Roanoke River	225.9	Eph	NRPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-MN-268	MVP-MN-268	OCDD	Minor	-	-	-	-
S-G38	UNT to North Fork Roanoke River	225.9	Eph	NRPW	3.0	3.3 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G38	UNT to North Fork Roanoke River	225.9	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G40	UNT to North Fork Roanoke River	226.0	Per	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-MN-268	MVP-MN-268	OCDD	Minor	-	-	-	-
S-G40	UNT to North Fork Roanoke River	226.0	Per	RPW	3.0		0.1		Access Roads Work Space Temp.	MVP-MN-268	MVP-MN-268	OCDD	Minor	-	-	-	-
S-G40	UNT to North Fork Roanoke River	226.0	Per	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G40	UNT to North Fork Roanoke River	226.0	Per	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G39	UNT to North Fork Roanoke River	226.2	Int	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-MN-268	MVP-MN-268	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G39	UNT to North Fork Roanoke River	226.2	Int	RPW	6.0	6.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G39	UNT to North Fork Roanoke River	226.2	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-PP23	UNT to North Fork Roanoke River	226.3	Eph	NRPW	2.5	3.5 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-PP23	UNT to North Fork Roanoke River	226.3	Eph	NRPW	2.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM15	UNT to Flatwoods Branch	227.1	Int	RPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM15	UNT to Flatwoods Branch	227.1	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM14	UNT to Flatwoods Branch	227.2	Eph	NRPW	7.0	10.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM14	UNT to Flatwoods Branch	227.2	Eph	NRPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM11	UNT to Flatwoods Branch	227.5	Eph	NRPW	8.0	8.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM11	UNT to Flatwoods Branch	227.5	Eph	NRPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM13	UNT to Flatwoods Branch	227.5	Eph	RPW	5.0	6.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM13	UNT to Flatwoods Branch	227.5	Eph	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F15	UNT to Flatwoods Branch	227.6	Int	RPW	6.0	12.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F15	UNT to Flatwoods Branch	227.6	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F16A/F16B	UNT to Flatwoods Branch	227.7	Int	RPW	4.0			0.0	Access Roads Perm.	MVP-MN-271	MVP-MN-271	OCDD	Minor	-	-	-	-
S-F16A/F16B	UNT to Flatwoods Branch	227.7	Eph	NRPW	3.0			0.0	Access Roads Perm.	MVP-MN-271	MVP-MN-271	OCDD	Minor	-	-	-	-
S-F16A/F16B	UNT to Flatwoods Branch	227.7	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F16A/F16B	UNT to Flatwoods Branch	227.7	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F17	UNT to Flatwoods Branch	227.7	Int	RPW	2.0	2.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F17	UNT to Flatwoods Branch	227.7	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C33	UNT to Flatwoods Branch	227.9	Per	RPW	6.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C33	UNT to Flatwoods Branch	227.9	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM31	UNT to Flatwoods Branch	228.0	Eph	NRPW	2.0	7.8 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM31	UNT to Flatwoods Branch	228.0	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C29	Flatwoods Branch	228.1	Per	RPW	5.5	5.9 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C29	Flatwoods Branch	228.1	Per	RPW	5.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-009	UNT Flatwoods Brnch N.F. Roanoke	228.1	Eph	NRPW	4.0		0.0		Access Roads Work Space Temp.	MVP-MN-272	MVP-MN-272	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C31	UNT to Flatwoods Branch	228.1	Per	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C31	UNT to Flatwoods Branch	228.1	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-010	UNT Flatwoods Brnch N.F. Roanoke	228.2	Eph	NRPW	2.0		<0.1		Access Roads Work Space Temp.	MVP-MN-272	MVP-MN-272	OCDD	Minor	-	-	-	-
S-C26	UNT to Bradshaw Creek	228.6	Eph	NRPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C26	UNT to Bradshaw Creek	228.6	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C25	UNT to Bradshaw Creek	228.7	Int	RPW	3.0	4.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C25	UNT to Bradshaw Creek	228.7	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C24	UNT to Bradshaw Creek	228.8	Int	RPW	3.0	5.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C24	UNT to Bradshaw Creek	228.8	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C21	Bradshaw Creek	229.2	Per	RPW	25.0	25.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-C21	Bradshaw Creek	229.2	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-OO11	UNT to Bradshaw Creek	229.4	Eph	NRPW	2.0	16.2 j,k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO11	UNT to Bradshaw Creek	229.4	Eph	NRPW	2.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-OO10	Bradshaw Creek	229.6	Per	RPW	15.0			<0.1	Access Road Perm.	MVP-MN-276	MVP-MB-276	OCDD	Inter-mediate	-	-	-	-
S-OO8	UNT to Bradshaw Creek	229.6	Int	RPW	4.0			<0.1	Access Road Perm.	MVP-MN-276	MVP-MB-276	OCDD	Minor	-	-	-	-
S-OO9	UNT to Bradshaw Creek	229.6	Eph	NRPW	3.0			0.0	Access Road Perm.	MVP-MN-276	MVP-MB-276	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-011	North Fork Roanoke River	230.1	Per	RPW	92.0		0.1		Access Roads Work Space Temp.	MVP-MN-276.01	-	OCDD	Inter-mediate	AL,FC, R, W	CW, TE, WT	Roanoke logperch	October 1 - June 30
TTVA-S-012	UNT to North Fork Roanoke	232.5	Eph	NRPW	2.0			0.0	Access Road Perm.	MVP-MN-277	MVP-MN-277	OCDD	Minor	-	-	-	-
S-OO18	UNT to North Fork Roanoke River	232.6	Per	RPW	40.0			0.2	Access Road Perm.	MVP-MN-277	MVP-MN-277	OCDD	Inter-mediate	-	-	-	-
S-OO16	UNT to Roanoke River	232.7	Per	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO16	UNT to Roanoke River	232.7	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-NN19	UNT to Roanoke River	232.8	Int	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-NN19	UNT to Roanoke River	232.8	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-NN16	Roanoke River	233.8	Per	TNW	70.0	74.9 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	WW, TE	Roanoke logperch, Orangefin madtom	March 15 - July 15
S-NN16	Roanoke River	233.8	Per	TNW	70.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	WW, TE	Roanoke logperch, Orangefin madtom	March 15 - July 15
S-I1	UNT to Roanoke River	234.0	Int	RPW	14.0	14.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-I1	UNT to Roanoke River	234.0	Int	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Y1	UNT to Roanoke River	234.3	Eph	NRPW	4.0	4.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Y1	UNT to Roanoke River	234.3	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-015	UNT to Cove Hollow	234.7	Eph	NRPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-015	UNT to Cove Hollow	234.7	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-016	UNT to Cove Hollow	235.5	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-017	UNT to Cove Hollow	235.7	Int	RPW	3.0		<0.1		Access Roads Work Space Temp.	MVP-MN-278.01	MVP-MN-278.01	OCDD	Minor	-	-	-	-
S-MM22	UNT to Roanoke River	236.1	Per	RPW	15.0	2.2		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-MM22	UNT to Roanoke River	236.1	Per	RPW	15.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
Roanoke																	
TTVA-S-018	UNT to Dry Hollow	237.7	Int	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-018	UNT to Dry Hollow	237.7	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Y14	UNT to Bottom Creek	238.8	Per	RPW	14.0	14.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Y14	UNT to Bottom Creek	238.8	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Y13	UNT to Bottom Creek	238.8	Int	RPW	8.0	9.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Y13	UNT to Bottom Creek	238.8	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-021	UNT to Bottom Creek	239.4	Int	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-021	UNT to Bottom Creek	239.4	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-022	Bottom Creek	239.6	Int	RPW	13.0			<0.1	Access Road Perm.	MVP-RO-281	17	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30
TTVA-S-023	UNT to Bottom Creek	239.6	Eph	NRPW	2.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-025	Bottom Creek	239.7	Per	RPW	13.0		<0.1		Access Roads Work Space Temp.	MVP-RO-282	16	OCDD	Inter-mediate	-	CW, WT	-	October 1 - June 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-027	UNT to Bottom Creek	240.3	Eph	NRPW	6.0			<0.1	Access Road Perm.	MVP-RO-283	15	OCDD	Minor	-	-	-	-
TTVA-S-028	UNT to Bottom Creek	240.3	Per	RPW	6.0			<0.1	Access Road Perm.	MVP-RO-283	15	OCDD	Minor	-	-	-	-
TTVA-S-026	UNT to Bottom Creek	240.3	Int	RPW	4.0		0.0		ATWS	MVP-ATWS-1303	MVP-RO-283	OCDD	Minor	-	-	-	-
TTVA-S-029	UNT to Bottom Creek	240.3	Int	RPW	4.0		0.0		ATWS	MVP-ATWS-1303	MVP-RO-283	OCDD	Minor	-	-	-	-
TTVA-S-030	Bottom Creek	240.4	Per	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTVA-S-030	Bottom Creek	240.4	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT	-	October 1 - June 30
TTVA-S-031	UNT to Mill Creek	241.1	Int	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-031	UNT to Mill Creek	241.1	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-032	UNT to Mill Creek	241.7	Per	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-032	UNT to Mill Creek	241.7	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-034	UNT to Mill Creek	242.2	Int	RPW	8.0		0.1		Access Roads Work Space Temp.	MVP-RO-285	13	OCDD	Minor	-	-	-	-
TTVA-S-035	Mill Creek	242.9	Per	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	CW, WT, TE	Orange fin madto m	October 1 - June 30
TTVA-S-035	Mill Creek	242.9	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	CW, WT, TE	Orange fin madto m	October 1 - June 30
S-Z17	UNT to Mill Creek	243.3	Per	RPW	6.0			<0.1	Access Road Perm.	MVP-RO-287	11	OCDD	Minor	-	-	-	-
S-Y7	UNT to Mill Creek	243.3	Int	RPW	4.0	5.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Y7	UNT to Mill Creek	243.3	Int	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Y8	UNT to Mill Creek	243.3	Per	RPW	4.0	4.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Y8	UNT to Mill Creek	243.3	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Y9	UNT to Mill Creek	243.3	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-037	UNT to Mill Creek	243.6	Eph	NRPW	2.0		<0.1		Access Roads Work Space Temp.	MVP-RO-288	10	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-038	UNT to Mill Creek	243.7	Per	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-RO-288	10	OCDD	Minor	-	-	-	-
S-Q20	UNT to Mill Creek	243.7	Per	RPW	5.0		0.0		Access Roads Work Space Temp.	MVP-RO-288	10	OCDD	Minor	-	-	-	-
TTVA-S-039	UNT to Mill Creek	243.7	Eph	NRPW	2.0		<0.1		Access Roads Work Space Temp.	MVP-RO-288	10	OCDD	Minor	-	-	-	-
S-B22	UNT to Mill Creek	243.8	Per	RPW	4.0	4.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B22	UNT to Mill Creek	243.8	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B23	UNT to Mill Creek	243.8	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B25	UNT to Mill Creek	243.9	Eph	NRPW	5.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B25	UNT to Mill Creek	243.9	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B21	UNT to Mill Creek	243.9	Per	RPW	4.0	5.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B21	UNT to Mill Creek	243.9	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

Franklin

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G24	UNT to Green Creek	244.5	Int	RPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G24	UNT to Green Creek	244.5	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H1	UNT to Green Creek	244.8	Per	RPW	10.0	11.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H1	UNT to Green Creek	244.8	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-RR16	UNT to Green Creek	244.8	Per	RPW	6.0			<0.1	Access Road Perm.	MVP-FR-290	7	OCDD	Minor	-	-	-	-
S-RR17/RR18	UNT to Green Creek	245.1	Int	RPW	2.0			0.0	Access Road Perm.	MVP-FR-290	7	OCDD	Minor	-	-	-	-
S-G26	UNT to Green Creek	245.2	Int	RPW	7.0	7.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G26	UNT to Green Creek	245.2	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G27	UNT to Green Creek	245.2	Per	RPW	7.0	7.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G27	UNT to Green Creek	245.2	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-D17	UNT to North Fork Blackwater River	246.6	Int	RPW	7.0	12.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D17	UNT to North Fork Blackwater River	246.6	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D14	UNT to North Fork Blackwater River	246.6	Int	RPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D14	UNT to North Fork Blackwater River	246.7	Int	RPW	3.0		0.0		Access Roads Work Space Temp.	MVP-FR-292	5	OCDD	Minor	-	-	-	-
S-HH3	UNT to North Fork Blackwater River	246.8	Per	RPW	12.0		<0.1		Access Roads Work Space Temp.	MVP-FR-292	5	OCDD	Inter-mediate	-	-	-	-
S-D12	UNT to North Fork Blackwater River	246.8	Int	RPW	6.0	6.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-D12	UNT to North Fork Blackwater River	246.8	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D13	UNT to North Fork Blackwater River	246.8	Int	RPW	4.0	6.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D13	UNT to North Fork Blackwater River	246.8	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-HH2	UNT to North Fork Blackwater River	246.8	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-FR-292	5	OCDD	Minor	-	-	-	-
S-D11	UNT to North Fork Blackwater River	246.9	Per	RPW	10.0	10.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D11	UNT to North Fork Blackwater River	246.9	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-D8	North Fork Blackwater River	247.3	Per	RPW	18.0	24.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	CW, WT	-	October 1 - June 30
S-D8	North Fork Blackwater River	247.3	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	CW, WT	-	October 1 - June 30
S-D10	UNT to North Fork Blackwater River	247.3	Int	RPW	8.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D10	UNT to North Fork Blackwater River	247.3	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D9	UNT to North Fork Blackwater River	247.3	Int	RPW	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D9	UNT to North Fork Blackwater River	247.3	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-II4	UNT to North Fork Blackwater River	248.6	Per	RPW	15.0	15.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-II4	UNT to North Fork Blackwater River	248.6	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-MM27	UNT to North Fork Blackwater River	248.6	Per	RPW	7.0			<0.1	Access Road Perm.	MVP-FR-293.01	MVP-FR-293.01	OCDD	Minor	-	-	-	-
TTVA-S-040	UNT to North Fork Blackwater River	249.5	Per	RPW	12.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
TTVA-S-040	UNT to North Fork Blackwater River	249.5	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTVA-S-041	UNT to North Fork Blackwater River	249.7	Int	RPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-041	UNT to North Fork Blackwater River	249.7	Int	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-042	UNT to North Fork Blackwater River	249.7	Eph	NRPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-042	UNT to North Fork Blackwater River	249.7	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-043	UNT to North Fork Blackwater River	249.9	Eph	NRPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-043	UNT to North Fork Blackwater River	249.9	Eph	NRPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-044	UNT to North Fork Blackwater River	250.0	Int	RPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-044	UNT to North Fork Blackwater River	250.0	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-RR09	UNT to North Fork Blackwater River	250.2	Eph	NRPW	9.0	9.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-RR09	UNT to North Fork Blackwater River	250.2	Eph	NRPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-RR08	UNT to North Fork Blackwater River	250.2	Eph	NRPW	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-RR08	UNT to North Fork Blackwater River	250.2	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-RR10	UNT to North Fork Blackwater River	250.3	Eph	NRPW	8.0	9.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-RR10	UNT to North Fork Blackwater River	250.3	Eph	NRPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-RR11	UNT to North Fork Blackwater River	250.4	Eph	NRPW	7.0	7.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-RR11	UNT to North Fork Blackwater River	250.4	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-045	UNT to North Fork Blackwater River	251.4	Eph	NRPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-045	UNT to North Fork Blackwater River	251.4	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-046	UNT to North Fork Blackwater River	251.6	Int	RPW	12.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-046	UNT to North Fork Black water River	251.6	Int	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTVA-S-047	Little Creek	253.0	Per	RPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-047	Little Creek	253.0	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-048	UNT to Little Creek	253.5	Per	RPW	6.0		<0.1		ATWS	MVP-ATWS-1253	MVP-FR-294	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-048	UNT to Little Creek	253.5	Per	RPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-048	UNT to Little Creek	253.5	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-049	UNT to Little Creek	253.5	Eph	NRPW	6.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-049	UNT to Little Creek	253.5	Eph	NRPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-050	UNT to Little Creek	253.6	Int	RPW	5.0		<0.1		Access Roads Work Space Temp.	MVP-FR-294	3	OCDD	Minor	AL, FC, R, W	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-II8	UNT to Little Creek	253.7	Int	RPW	2.0	2.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II8	UNT to Little Creek	253.7	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II7	UNT to Little Creek	253.8	Int	RPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II7	UNT to Little Creek	253.8	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II9	UNT to Little Creek	253.9	Per	RPW	20.0	21.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-II9	UNT to Little Creek	253.9	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-II11	UNT to Little Creek	254.0	Per	RPW	4.0	4.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II11	UNT to Little Creek	254.0	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II12	UNT to Little Creek	254.0	Int	RPW	2.0	2.4 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II12	UNT to Little Creek	254.0	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-051	UNT to Little Creek	254.3	Eph	NRPW	5.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-051	UNT to Little Creek	254.3	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II6	UNT to Little Creek	254.6	Int	NRPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-II6	UNT to Little Creek	254.6	Int	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-053	UNT to Little Creek	255.7	Per	RPW	6.0		0.0		Access Roads Work Space Temp.	MVP-FR-295	MVP-FR-295.01 - 2	OCDD	Minor	AL, FC, R, W	-	-	-
TTVA-S-054	Teels Creek	256.3	Per	RPW	15.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
TTVA-S-054	Teels Creek	256.3	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-E29	UNT to Teels Creek	256.4	Per	RPW	8.0	8.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E29	UNT to Teels Creek	256.4	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-055	UNT to Teels Creek	256.4	Per	RPW	8.0			<0.1	Access Road Perm.	MVP-FR-296	1	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E28	Teels Creek	256.7	Per	RPW	25.0	13.1		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-E28	Teels Creek	256.7	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-E28	Teels Creek	256.9	Per	RPW	25.0	29.4 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-E28	Teels Creek	256.9	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
TTVA-S-056	UNT to Teels Creek	257.3	Int	RPW	7.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-056	UNT to Teels Creek	257.3	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-057	Teels Creek	257.8	Per	RPW	15.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
TTVA-S-057	Teels Creek	257.8	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-MM40	UNT to Teels Creek	257.9	Per	RPW	3.0		0.0		ATWS	MVP-ATWS-568	N/A	OCDD	Minor	-	-	-	-
S-MM42	UNT to Teels Creek	258.1	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM42	UNT to Teels Creek	258.1	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-RR15	UNT to Teels Creek	258.3	Per	RPW	14.0	17.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-RR15	UNT to Teels Creek	258.3	Per	RPW	14.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-D23	Teels Creek	258.5	Per	RPW	20.0	24.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-D23	Teels Creek	258.5	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-D22	UNT to Teels Creek	258.6	Int	RPW	8.0	8.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D22	UNT to Teels Creek	258.6	Int	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D20	UNT to Teels Creek	258.8	Int	RPW	8.0	8.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D20	UNT to Teels Creek	258.8	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D18	UNT to Teels Creek	258.8	Eph	NRPW	2.0	2.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D18	UNT to Teels Creek	258.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C14	Teels Creek	259.3	Per	RPW	50.0	59.5 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C14	Teels Creek	259.3	Per	RPW	50.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C16	UNT to Teels Creek	259.6	Per	RPW	15.0	15.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-C16	UNT to Teels Creek	259.6	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
TTVA-S-060	Little Creek	259.9	Per	RPW	45.0			0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
TTVA-S-060	Little Creek	259.9	Per	RPW	45.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C17	Teels Creek	259.9	Per	RPW	30.0	33.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C17	Teels Creek	259.9	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-II2	Little Creek	260.8	Per	RPW	60.0	72.9 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-II2	Little Creek	260.8	Per	RPW	60.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-II3	UNT to Little Creek	260.8	Int	RPW	9.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-II3	UNT to Little Creek	260.8	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-D16	UNT to Black water River	262.2	Int	RPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D16	UNT to Black water River	262.2	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B17/S8/SS5	UNT to Black water River	264.4	Per	RPW	8.0		<0.1		Access Roads Work Space Temp.	MVP-FR-308.01	FR-AR-250.9	OCDD	Minor	-	-	-	-
S-B15	UNT to Black water River	264.4	Int	RPW	4.0	82.2		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B15	UNT to Black water River	264.4	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B17/S8/SS5	UNT to Black water River	264.5	Per	RPW	20.0		<0.1		Access Roads Work Space Temp.	MVP-FR-308.01	FR-AR-250.9	OCDD	Inter-mediate	-	-	-	-
S-B17/S8/SS5	UNT to Black water River	264.5	Per	RPW	7.0	4.8		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B17/S8/SS5	UNT to Blackwater River	264.5	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-SS6	UNT to Blackwater River	264.5	Per	RPW	4.0		0.0		Access Roads Work Space Temp.	MVP-FR-308.01	FR-AR-250.9	OCDD	Minor	-	-	-	-
S-S9	UNT to Blackwater River	264.5	Per	RPW	1.3		0.0		Access Roads Work Space Temp.	MVP-FR-308.01	FR-AR-250.9	OCDD	Minor	-	-	-	-
S-SS7	UNT to Blackwater River	264.6	Int	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-FR-308.01	FR-AR-250.9	OCDD	Minor	-	-	-	-
S-S6	UNT to Blackwater River	264.7	Int	RPW	6.0	22.2 k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-S6	UNT to Blackwater River	264.7	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C8	UNT to Blackwater River	264.9	Int	RPW	5.0	5.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C8	UNT to Blackwater River	264.9	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F6	UNT to Maggodee Creek	265.4	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F7	UNT to Maggodee Creek	265.6	Per	RPW	20.0	20.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F7	UNT to Maggodee Creek	265.6	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F8	UNT to Maggodee Creek	266.1	Per	RPW	30.0	32.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F8	UNT to Maggodee Creek	266.1	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-S11	UNT to Maggodee Creek	266.1	Per	RPW	11.0			<0.1	Access Road Perm.	MVP-FR-310	FR-AR0252.3	OCDD	Inter-mediate	-	-	-	-
S-HH4	UNT to Maggodee Creek	266.2	Int	RPW	9.0	9.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-HH4	UNT to Maggodee Creek	266.2	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM43	UNT to Maggodee Creek	266.3	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C20	UNT to Maggodee Creek	266.4	Eph	NRPW	4.0	4.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-C20	UNT to Maggodee Creek	266.4	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C19	Maggodee Creek	266.6	Per	RPW	45.0	45.0		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-C19	Maggodee Creek	266.6	Per	RPW	45.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F11	Blackwater River	266.9	Per	TNW	90.0	91.0 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W, PWS	-	-	-
S-F11	Blackwater River	266.9	Per	TNW	90.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W, PWS	-	-	-
S-MM23	Maple Branch	267.4	Per	RPW	20.0			<0.1	Access Road Perm.	MVP-FR-313	FR-AR-253.8	OCDD	Inter-mediate	-	-	-	-
S-F9B	UNT to Blackwater River	267.4	Per	NRPW	15.0	15.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F9B	UNT to Black water River	267.4	Per	NRPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-MM29	UNT to Maple Branch	267.4	Per	RPW	15.0			<0.1	Access Road Perm.	MVP-FR-313	FR-AR-253.8	OCDD	Inter-mediate	-	-	-	-
S-F9A	UNT to Black water River	267.7	Int	RPW	15.0	12.4		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-F9A	UNT to Black water River	267.7	Int	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F10	UNT to Black water River	267.7	Eph	NRPW	9.0	11.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F10	UNT to Black water River	267.7	Eph	NRPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-GG4	UNT to Black water River	268.1	Eph	NRPW	5.0	5.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-GG4	UNT to Black water River	268.1	Eph	NRPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A36	UNT to Foul Ground Creek	268.6	Eph	NRPW	4.0	4.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A36	UNT to Foul Ground Creek	268.6	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A38	UNT to Foul Ground Creek	268.9	Int	RPW	9.0	57.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A38	UNT to Foul Ground Creek	268.9	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A40	UNT to Foul Ground Creek	268.9	Int	RPW	5.8		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A41	Foul Ground Creek	269.6	Per	RPW	12.0	12.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-A41	Foul Ground Creek	269.6	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G22	UNT to Poplar Camp Creek	271.4	Per	RPW	12.0	12.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-G22	UNT to Poplar Camp Creek	271.4	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-G21	UNT to Poplar Camp Creek	271.4	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G21	UNT to Poplar Camp Creek	271.4	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G23	UNT to Poplar Camp Creek	271.4	Int	RPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G23	UNT to Poplar Camp Creek	271.4	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G20	Poplar Camp Creek	271.6	Per	RPW	10.0	10.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W, PWS	-	-	-
S-G20	Poplar Camp Creek	271.6	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W, PWS	-	-	-
S-G18	UNT to Black water River	272.2	Int	RPW	2.0	2.2 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G18	UNT to Blackwater River	272.2	Int	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G17	UNT to Blackwater River	272.5	Eph	NRPW	5.0	5.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G17	UNT to Blackwater River	272.5	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E18	UNT to Blackwater River	272.9	Per	RPW	7.0	7.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E18	UNT to Blackwater River	272.9	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E17	UNT to Blackwater River	273.2	Per	RPW	8.0	9.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-E17	UNT to Blackwater River	273.2	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E14	UNT to Blackwater River	273.7	Per	RPW	20.0	21.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-E14	UNT to Black water River	273.7	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H38	UNT to Jacks Creek	274.6	Per	RPW	12.0	15.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-H38	UNT to Jacks Creek	274.6	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-H37	UNT to Jacks Creek	274.9	Eph	NRPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H37	UNT to Jacks Creek	274.9	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H36	UNT to Jacks Creek	275.0	Per	RPW	3.0	31.3		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H36	UNT to Jacks Creek	275.0	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H34	UNT to Jacks Creek	275.2	Per	RPW	3.0	3.0		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H34	UNT to Jacks Creek	275.2	Per	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H32	UNT to Jacks Creek	275.4	Per	RPW	10.0	10.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H32	UNT to Jacks Creek	275.4	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H30	UNT to Jacks Creek	275.7	Int	RPW	1.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A18	UNT to Jacks Creek	275.9	Int	NRPW	2.6	3.7 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A18	UNT to Jacks Creek	275.9	Int	NRPW	2.6		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A19/S-H26	UNT to Jacks Creek	276.0	Int	RPW	7.0	32.6 j, k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A19/S-H26	UNT to Jacks Creek	276.0	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A20	UNT to Jacks Creek	276.0	Per	RPW	7.0	11.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A20	UNT to Jacks Creek	276.0	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H27	UNT to Jacks Creek	276.4	Eph	NRPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H27	UNT to Jacks Creek	276.4	Eph	NRPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A22	UNT to Jacks Creek	276.4	Int	RPW	8.0	9.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A22	UNT to Jacks Creek	276.4	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H28	UNT to Jacks Creek	276.4	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM44	UNT to Little Jacks Creek	276.7	Per	RPW	4.0	4.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM44	UNT to Little Jacks Creek	276.7	Per	RPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM45	UNT to Little Jacks Creek	276.7	Eph	NRPW	4.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM45	UNT to Little Jacks Creek	276.7	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-064	UNT to Little Jacks Creek	276.7	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM46	UNT to Little Jacks Creek	276.7	Int	RPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM48	UNT to Little Jacks Creek	277.0	Per	RPW	7.0	9.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM48	UNT to Little Jacks Creek	277.0	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H25	Little Jacks Creek	277.1	Per	RPW	7.0	9.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H25	Little Jacks Creek	277.1	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H24	UNT to Little Jacks Creek	277.2	Per	RPW	10.0	46.0 j, k/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H24	UNT to Little Jacks Creek	277.2	Per	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H23	UNT to Turkey Creek	277.4	Eph	NRPW	5.0	5.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H23	UNT to Turkey Creek	277.4	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-HH1	UNT to Turkey Creek	277.6	Eph	NRPW	5.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-HH1	UNT to Turkey Creek	277.6	Eph	NRPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A13	Turkey Creek	277.8	Per	RPW	8.0	12.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A13	Turkey Creek	277.8	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A11	Grass Run	277.9	Eph	NRPW	3.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A11	Grass Run	277.9	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H17	Dinner Creek	278.3	Int	RPW	8.0	8.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H17	Dinner Creek	278.3	Int	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A7	UNT to Dinner Creek	278.4	Per	RPW	6.0	6.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A7	UNT to Dinner Creek	278.4	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-SS8	Polecat Creek	278.6	Per	RPW	8.0	12.0 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-SS8	Polecat Creek	278.6	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
TTVA-S-066	UNT to Owens Creek	278.9	Eph	NRPW	10.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-066	UNT to Owens Creek	278.9	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
TTVA-S-067	UNT to Owens Creek	279.0	Eph	NRPW	4.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
TTVA-S-067	UNT to Owens Creek	279.0	Eph	NRPW	4.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-DD3	Owens Creek	279.3	Int	RPW	15.0		0.0		ATWS	MVP-ATWS-540	N/A	OCDD	Inter-mediate	-	-	-	-
S-DD3	Owens Creek	279.4	Int	RPW	15.0	18.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-DD3	Owens Creek	279.4	Int	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-G16	Strawfield Creek	279.5	Per	RPW	30.0	30.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-G16	Strawfield Creek	279.5	Per	RPW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G15	UNT to Parrot Branch	279.8	Int	RPW	9.0	9.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G15	UNT to Parrot Branch	279.8	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G13	Parrot Branch	280.2	Per	RPW	8.0	8.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G13	Parrot Branch	280.2	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D7	UNT to Jonnikin Creek	280.9	Int	RPW	8.0	8.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D7	UNT to Jonnikin Creek	280.9	Int	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
Pittsylvania																	
S-D3	UNT to Jonnikin Creek	281.6	Per	TNW	10.0	10.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D3	UNT to Jonnikin Creek	281.6	Per	TNW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-D4	UNT to Jonnikin Creek	281.6	Int	RPW	6.0	9.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D4	UNT to Jonnikin Creek	281.6	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D2	Jonnikin Creek	282.0	Per	RPW	18.0	18.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-D2	Jonnikin Creek	282.0	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-D1 EPH	UNT to Jonnikin Creek	282.2	Eph	RPW	10.0	10.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D1 EPH	UNT to Jonnikin Creek	282.2	Eph	RPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-D1 INT	UNT to Jonnikin Creek	282.2	Int	RPW	10.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-D1 INT	UNT to Jonnikin Creek	282.2	Int	RPW	10.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G11	UNT to Jonnikin Creek	282.5	Int	RPW	6.0	6.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G11	UNT to Jonnikin Creek	282.5	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-P7	UNT to Jonnikin Creek	282.6	Eph	NRPW	3.0		0.0		Access Roads Work Space Temp.	MVP-PI-325	PI-AR-276.5	OCDD	Minor	-	-	-	-
S-G9	UNT to Jonnikin Creek	282.9	Int	RPW	4.0	4.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G9	UNT to Jonnikin Creek	282.9	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Q15	UNT to Jonnikin Creek	283.1	Eph	NRPW	5.0	8.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Q15	UNT to Jonnikin Creek	283.1	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G8	UNT to Jonnikin Creek	283.1	Int	RPW	4.0	4.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G8	UNT to Jonnikin Creek	283.1	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-A5	UNT to Fallen Timber Run	283.4	Eph	NRPW	8.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A5	UNT to Fallen Timber Run	283.4	Eph	NRPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A6	Fallen Timber Run	283.5	Per	RPW	5.0	5.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A6	Fallen Timber Run	283.5	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H11	UNT to Rocky Creek	283.7	Eph	NRPW	3.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H11	UNT to Rocky Creek	283.7	Eph	NRPW	3.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H11 Braid	UNT to Rocky Creek	283.7	Eph	NRPW	2.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H11 Braid	UNT to Rocky Creek	283.7	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H9	UNT to Rocky Creek	283.8	Eph	NRPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-F1	UNT to Rocky Creek	284.1	Eph	NRPW	8.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-F1	UNT to Rocky Creek	284.1	Eph	NRPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C7	UNT to Rocky Creek	284.3	Per	RPW	20.0	20.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-C7	UNT to Rocky Creek	284.3	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-F2	UNT to Rocky Creek	284.3	Eph	NRPW	7.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-F2	UNT to Rocky Creek	284.3	Eph	NRPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E12	UNT to Pigg River	285.7	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E11	Pigg River	286.3	Per	TNW	100.0	100.1 j/		0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	CW, TE	Roanoke logperch, Yellow lampmussel	March 1 - June 30; August 15 - September 30
S-E11	Pigg River	286.3	Per	TNW	100.0		0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	CW, TE	Roanoke logperch, Yellow lampmussel	March 1 - June 30; August 15 - September 30

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H8	UNT to Rocky Creek	286.5	Eph	NRPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H8	UNT to Rocky Creek	286.5	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-A4	UNT to North Fork Fishing Creek	286.7	Per	RPW	8.0			<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-A4	UNT to North Fork Fishing Creek	286.7	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H7	UNT to Rocky Creek	286.7	Int	RPW	5.0	5.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H7	UNT to Rocky Creek	286.7	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C3	Harpen Creek	287.1	Per	RPW	18.0	18.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C3	Harpen Creek	287.1	Per	RPW	18.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-C4	UNT to Harpen Creek	287.1	Per	RPW	4.0	6.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C4	UNT to Harpen Creek	287.1	Per	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H13	Harpen Creek	287.7	Per	RPW	20.0	20.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-H13	Harpen Creek	287.7	Per	RPW	20.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-G6	UNT to Harpen Creek	288.4	Int	RPW	6.0	6.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G6	UNT to Harpen Creek	288.4	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G5	UNT to Harpen Creek	289.0	Eph	NRPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G5	UNT to Harpen Creek	289.0	Eph	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G4	Harpen Creek	289.2	Per	TNW	30.0	33.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-
S-G4	Harpen Creek	289.2	Per	TNW	30.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	AL, FC, R, W	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-G3	UNT to Harpen Creek	289.4	Per	RPW	9.0	9.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-G3	UNT to Harpen Creek	289.4	Per	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC16	UNT to Harpen Creek	289.6	Per	RPW	11.0	11.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC16	UNT to Harpen Creek	289.6	Per	RPW	11.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC14	UNT to Cherrystone Creek	290.8	Int	RPW	8.0	8.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC14	UNT to Cherrystone Creek	290.8	Int	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC13	UNT to Cherrystone Creek	290.8	Int	ISOLATED	7.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC13	UNT to Cherrystone Creek	290.8	Int	ISOLATED	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM8	UNT to Cherrystone Creek	291.0	Per	RPW	6.0	6.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM8	UNT to Cherrystone Creek	291.0	Per	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC15	UNT to Cherrystone Creek	291.1	Per	RPW	6.0	6.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC15	UNT to Cherrystone Creek	291.1	Per	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC5	UNT to Cherrystone Creek	291.4	Per	RPW	12.0	21.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC5	UNT to Cherrystone Creek	291.4	Per	RPW	12.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC8	UNT to Cherrystone Creek	291.4	Int	RPW	6.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC8	UNT to Cherrystone Creek	291.4	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-CC9	UNT to Cherrystone Creek	291.7	Eph	NRPW	5.5	5.5		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC9	UNT to Cherrystone Creek	291.7	Eph	NRPW	5.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC10	UNT to Cherrystone Creek	291.8	Int	RPW	9.0	9.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC10	UNT to Cherrystone Creek	291.8	Int	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC11	UNT to Cherrystone Creek	292.0	Per	RPW	8.0	8.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC11	UNT to Cherrystone Creek	292.0	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM10	UNT to Cherrystone Creek	292.0	Int	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC12	UNT to Cherrystone Creek	292.2	Eph	NRPW	5.0	3.3		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-CC12	UNT to Cherrystone Creek	292.2	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC1	Cherrystone Creek	292.4	Per	RPW	15.0	16.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC1	Cherrystone Creek	292.4	Per	RPW	15.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-CC2	UNT to Cherrystone Creek	292.4	Int	RPW	4.5		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-CC3	UNT to Cherrystone Creek	292.5	Per	RPW	8.0	8.5 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-CC3	UNT to Cherrystone Creek	292.5	Per	RPW	8.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Q4	UNT to Pole Bridge Branch	293.6	Per	RPW	5.0	6.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Q4	UNT to Pole Bridge Branch	293.6	Per	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-Q3	UNT to Pole Bridge Branch	293.8	Per	RPW	25.0	25.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-
S-Q3	UNT to Pole Bridge Branch	293.8	Per	RPW	25.0		<0.1		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-Q2	UNT to Pole Bridge Branch	293.8	Per	RPW	7.0	8.7 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-Q2	UNT to Pole Bridge Branch	293.8	Per	RPW	7.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-Q1	UNT to Pole Bridge Branch	294.0	Eph	NRPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B6	Indian Run	294.4	Eph	NRPW	10.0	11.9 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B6	Indian Run	294.4	Eph	NRPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-B8	UNT to Pole Bridge Branch	294.5	Int	RPW	4.0	4.6 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B8	UNT to Pole Bridge Branch	294.5	Int	RPW	4.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-B9	UNT to Pole Bridge Branch	294.6	Per	RPW	7.0	7.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B9	UNT to Pole Bridge Branch	294.6	Per	RPW	7.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-E5	UNT to Mill Creek	295.4	Per	RPW	10.0			<0.1	Access Road Perm.	MVP-PI-338	AR-PI-289.4	OCDD	Minor	-	-	-	-
S-UU10	UNT to Mill Creek	295.4	Eph	NRPW	3.0			0.0	Access Road Perm.	MVP-PI-338	AR-PI-289.4	OCDD	Minor	-	-	-	-
S-DD4	UNT to Mill Creek	295.5	DD	ISOLATED	6.0	6.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-DD4	UNT to Mill Creek	295.5	DD	ISOLATED	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-C1	Mill Creek	296.2	Int	RPW	6.0	6.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-C1	Mill Creek	296.2	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-G2	Little Cherrystone Creek	297.3	Per	RPW	3.5	3.7 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-G2	Little Cherrystone Creek	297.3	Per	RPW	3.5		0.0		Temp. Work Space	-	-	OCDD	Minor	AL, FC, R, W	-	-	-
S-B2	UNT to Little Cherrystone Creek	297.8	Eph	NRPW	5.0	5.2 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-B2	UNT to Little Cherrystone Creek	297.8	Eph	NRPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H55	UNT to Little Cherrystone Creek	298.4	Eph	NRPW	3.0	3.1 j/		0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H55	UNT to Little Cherrystone Creek	298.4	Eph	NRPW	3.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H54	UNT to Little Cherrystone Creek	298.6	Per	RPW	12.0	14.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Inter-mediate	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-H54	UNT to Little Cherrystone Creek	298.6	Per	RPW	12.0		0.0		Temp. Work Space	-	-	OCDD	Inter-mediate	-	-	-	-
S-GG11	UNT to Little Cherrystone Creek	298.6	Per	RPW	8.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-GG11	UNT to Little Cherrystone Creek	298.6	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H3	UNT to Little Cherrystone Creek	299.3	Int	RPW	6.0			0.0	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H3	UNT to Little Cherrystone Creek	299.3	Int	RPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H5	UNT to Little Cherrystone Creek	299.4	Per	RPW	8.0	9.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H5	UNT to Little Cherrystone Creek	299.4	Per	RPW	8.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-OO1	UNT to Cherrystone Creek	299.7	Int	RPW	5.0	5.0		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO1	UNT to Cherrystone Creek	299.7	Int	RPW	5.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-OO2	UNT to Cherrystone Creek	299.8	Int	RPW	5.0	5.3 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO2	UNT to Cherrystone Creek	299.8	Int	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-OO3	UNT to Cherrystone Creek	300.1	Int	RPW	6.0	7.1 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO3	UNT to Cherrystone Creek	300.1	Int	RPW	6.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM34	UNT to Cherrystone Creek	300.2	Int	NRPW	6.0	2.2		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM34	UNT to Cherrystone Creek	300.2	Int	NRPW	6.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-OO5	UNT to Cherrystone Creek	300.3	Per	RPW	9.0	9.4 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-OO5	UNT to Cherrystone Creek	300.3	Per	RPW	9.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-OO4	UNT to Cherrystone Creek	300.3	Eph	RPW	2.0		0.0		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-H41	UNT to Little Cherrystone Creek	300.6	Int	RPW	10.0	14.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-H41	UNT to Little Cherrystone Creek	300.6	Int	RPW	10.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-
S-MM21	UNT to Cherrystone Creek	300.9	Per	RPW	5.0			0.0	Access Roads Perm.	MVP-PI-342.01	MVP-PI-342	OCDD	Minor	-	-	-	-
S-MM21	UNT to Cherrystone Creek	300.9	Per	RPW	5.0			0.0	Access Roads Perm.	MVP-PI-342.01	MVP-PI-342	OCDD	Minor	-	-	-	-
S-MM21	UNT to Cherrystone Creek	300.9	Per	RPW	5.0	5.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/
S-MM21	UNT to Cherrystone Creek	300.9	Per	RPW	5.0	5.8 j/		<0.1	ROW Perm. Ease-ment	-	-	OCDD	Minor	-	-	-	-
S-MM21	UNT to Cherrystone Creek	300.9	Per	RPW	5.0		<0.1		Temp. Work Space	-	-	OCDD	Minor	-	-	-	-

a/ All waterbodies will be open-cut dry with the exception of the Elk River (MP 87.4), Gauley River (MP 118.6), and Greenbrier River (MP 170.6) which will be open-cut wet ditch.

b/ Flow Regime:
DD = Dry Ditch, Eph = Ephemeral, Int = Intermittent; Per = Perennial

c/ From Federal Register / Vol. 80, No. 124 / Monday, June 29, 2015 / Rule Ephemeral streams (rain-dependent streams) have flowing water only in response to precipitation events in a typical year, and are always above the water table Intermittent streams (seasonal streams) are those that have both precipitation and groundwater providing part of the stream's flow, and flow continuously only during certain times of the year (e.g., during certain seasons such as the rainy season
UNT = Unnamed Tributary, RPW = Relatively Perm. Waters, NRPW = Non-Relatively Perm. Waters, TNW = Traditional Navigable Waters, ISO = Isolated

d/ Crossing Method:
OCDD = Open-Cut Dry Ditch, OCWD = Open-Cut Wet Ditch

e/ West Virginia State Water Classifications: (Source: WVDEP)
A = Public water
B = Propagation and Maintenance of fish and other aquatic life includes: warm water fishery, trout waters, and wetland
C = Water Contact Recreation
D = Irrigation, Wildlife, Livestock watering
E = Water transport, Cooling water, Power production, Industrial

f/ Virginia State Water Classifications: (Source: VDEQ)
AL = Propagation and Maintenance of fish and other aquatic life
FC = Production of edible and marketable natural resources including fish and shellfish
R = Water Contact Recreation, including swimming and boating
W = Wildlife
PWS = Public Water Supply
No data = This stream has not been accessed by the VDEQ and there is no data

g/ Fishery Type: (Sources: WVDNR and VDGIF as listed in RR3)
M = Mussel Stream
B2 = Trout Waters (WV only)
CW = Coldwater Stream
WW = Warmwater Stream
TE = Threatened and Endangered Species Stream WT = Wild Trout Stream (VA only)
ST = Stocked Trout Steam (VA only)

APPENDIX F-1 (continued)

Waterbodies Crossed by the Mountain Valley Project a/

Waterbody ID	Waterbody Name a/	MP	Flow Regime b/, c/	Water Type c/	Top of Bank Width (ft)	Length of Pipeline Crossing (ft)	Temp. Acreage Impact	Perm. Acreage Impact	Project Component	Component ID	Original Component ID / Type	Crossing Method d/	FERC Classification	Classification e/, f/	Fishery Type g/	Fish Species h/	Time of Year Restriction i/

h/ VDGIF in-stream construction restriction by species:
Atlantic pigtow mussel and James spinymussel: May 15-July 31
Green floater mussel and Yellow lampmussel: April 15 - June 15 and August 15 - September 30
Orangefin madtom March 15 - May 31
Roanoke logperch March 15 - June 30

i/ TOYR - Time of Year Restriction = Any span of time within time-of-year restrictions set forth by U.S. Army Corps of Engineer's 401 Water Quality Certification for streams crossed in WV and by VDGIF time-of-year restrictions for streams containing rare, threatened, or endangered species in VA

j/ Pipeline crossing length is greater than top of bank width due to not crossing perpendicular to the waterbody.

k/ Pipeline crossing length is greater than top of bank width due to the pipeline crossing the stream more than once because of the meandering or branched nature of the waterbody.

APPENDIX F-2

Waterbodies Crossed by the Projects

Equitrans Expansion Project

APPENDIX F-2

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)
PENNSYLVANIA																		
Greene																		
H-158	S-AA1	0.1	UNT / South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	10.7 l/	N/A	N/A	Open-cut dry	Minor	10.0	WWF	WW	NR	3	3
H-158	S-AA1	0.1	UNT / South Fork Tenmile Creek	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	10.0	WWF	WW	NR	N/A	N/A
H-158 and M-80	S-AA1	0	UNT / South Fork Tenmile Creek	Per	Temp.	ATWS	M80-H158-ATWS-01	N/A	0.0	0.1	N/A	Minor	10.0	WWF	WW	NR	N/A	N/A
H-158 and M-80	S-AA6	0	UNT / South Fork Tenmile Creek	Per	Temp.	ATWS	M80-H158-ATWS-01	N/A	0.0	0.0	N/A	Inter-mediate	16.0	WWF	WW	NR	N/A	N/A
M-80	S-AA1	0.1	UNT / South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	10.7l/	N/A	N/A	Open-cut dry	Minor	10.0	WWF	WW	NR	3	3
H-305	S-N1	0.1	UNT / South Fork Tenmile Creek	Int	Temp.	ATWS	H305 ATWS01	N/A	N/A	0.0	N/A	Minor	7.0	WWF	WW	NR	N/A	N/A
H-305	S-N1	0.1	UNT / South Fork Tenmile Creek	Int	Temp.	Workspace	N/A	N/A	N/A	0.0	N/A	Minor	7.0	WWF	WW	NR	N/A	N/A
H-316	S-AA3	0.1	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	4.4 l/	N/A	N/A	Open-cut dry	Minor	4.0	WWF	WW	NR	2	3
H-316	S-AA3	0.1	UNT / South Fork Tenmile Creek	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	4.0	WWF	WW	NR	N/A	N/A
H-316	S-AA4	0.2	UNT / South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	5.2 l/	N/A	N/A	Open-cut dry	Minor	5.0	WWF	WW	NR	2	3
H-316	S-AA4	0.2	UNT / South Fork Tenmile Creek	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	5.0	WWF	WW	NR	N/A	N/A
H-316	S-AA8	0.8	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	4.1 l/	N/A	N/A	Open-cut dry	Minor	4.0	WWF	WW	NR	2	3

APPENDIX F-2 (continued)

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)
H-316	S-AA8	0.8	UNT / South Fork Tenmile Creek	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	4.0	WWF	WW	NR	N/A	N/A
H-316	S-AA10	1.1	UNT / South Fork Tenmile Creek	Int	Route Ctl	Pipeline Route	N/A	5.0	N/A	N/A	Open-cut dry	Minor	5.0	WWF	WW	NR	3	3
H-316	S-AA10	1.1	UNT / South Fork Tenmile Creek	Int	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	5.0	WWF	WW	NR	N/A	N/A
H-316	S-AA11	1.3	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	9.6 l/	N/A	N/A	Open-cut dry	Minor	5.0	WWF	WW	NR	2	3
H-316	S-AA11	1.3	UNT / South Fork Tenmile Creek	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	6.5	WWF	WW	NR	N/A	N/A
H-316	S-AA12	1.3	Ruff Creek	Per	Route Ctl	Pipeline Route	N/A	51.5	N/A	N/A	Open-cut dry	Inter-mediate	60.0	WWF	WW	NR	2	3
H-316	S-AA12	1.3	Ruff Creek	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Inter-mediate	60.0	WWF	WW	NR	N/A	N/A
H-316	S-AA13	2	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	3.2 l/	N/A	N/A	Open-cut dry	Minor	3.0	WWF	WW	NR	2	3
H-316	S-AA13	2	UNT / South Fork Tenmile Creek	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	3.0	WWF	WW	NR	N/A	N/A
H-316	S-AA14	2.1	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	3.1 l/	N/A	N/A	Open-cut dry	Minor	3.0	WWF	WW	NR	2	3
H-316	S-AA14	2.1	UNT / South Fork Tenmile Creek	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	3.0	WWF	WW	NR	N/A	N/A
H-316	S-AA15	2.3	South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	96.2	N/A	N/A	HDD	Inter-mediate	100.0	WWF	WW	NR	3	30
H-316	S-AA21	2.5	UNT / South Fork Tenmile Creek	Int	Route Ctl	Pipeline Route	N/A	4.3 l/	N/A	N/A	HDD i/	Minor	4.0	WWF	WW	NR	3	215
H-316	S-AA22	2.5	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	7.1 l/	N/A	N/A	HDD i/	Minor	7.0	WWF	WW	NR	3	215

APPENDIX F-2 (continued)

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)
H-316	S-AA23	2.5	UNT / South Fork Tenmile Creek	Eph	Route Ctl	Pipeline Route	N/A	9.2 l/	N/A	N/A	HDD i/	Minor	9.0	WWF	WW	NR	3	220
H-316	S-AA24	2.5	UNT / South Fork Tenmile Creek	Int	Route Ctl	Pipeline Route	N/A	8.2	N/A	N/A	HDD i/	Minor	9.0	WWF	WW	NR	3	205
H-316	S-AA20	2.7	UNT / South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	1.8 l/	N/A	N/A	HDD i/	Minor	1.0	WWF	WW	NR	3	205
H-316	S-AA17	2.8	UNT / South Fork Tenmile Creek	Per	Route Ctl	Pipeline Route	N/A	12.5 l/	N/A	N/A	HDD i/	Inter-mediate	12.0	WWF	WW	NR	3	45
H-316	S-AA18	2.8	UNT / South Fork Tenmile Creek	Int	Route Ctl	Pipeline Route	N/A	2.6	N/A	N/A	HDD i/	Minor	6.0	WWF	WW	NR	3	40
H-316	S-AA16	3	UNT / South Fork Tenmile Creek	Per	Access Ctl	Access Roads	H316 AR 07a	6.3 l/	N/A	N/A	N/A	Minor	5.0	WWF	WW	NR	N/A	N/A
H-316	S-AA16	3	UNT / South Fork Tenmile Creek	Per	Temp.	Access Roads ROW	H316 AR 07a	N/A	0.0	0.0	N/A	Minor	5.0	WWF	WW	NR	N/A	N/A
Pratt	S-AA6	0	UNT / South Fork Tenmile Creek	Per	Temp.	Pratt Station	N/A	N/A	0.0	0.0	N/A	Inter-mediate	16.0	WWF	WW	NR	N/A	N/A
Pratt	S-AA7	0.1	UNT / South Fork Tenmile Creek	Eph	Temp.	Pratt Station	N/A	N/A	0.0	0.0	N/A	Minor	8.0	WWF	WW	NR	N/A	N/A
Redhook	S-AA2	0.1	UNT / South Fork Tenmile Creek	Eph	Temp.	ATWS	Redhook ATWS 01	N/A	0.0	0.0	N/A	Minor	4.0	WWF	WW	NR	N/A	N/A
Redhook	S-N2	0	UNT / South Fork Tenmile Creek	Int	Perm.	Redhook Station	N/A	N/A	0.0	0.0	N/A	Minor	2.0	WWF	WW	NR	N/A	N/A
Allegheny																		
H-318	S-BB4	0.04	Bunola Run	Per	Perm.	Groundbed	N/A	N/A	0.1	0.0	N/A	Inter-mediate	25.0	WWF	WW	NR	N/A	N/A
H-318	S-BB3	1.7	Kelly Run	Per	Route Ctl	Pipeline Route	N/A	26.2	N/A	N/A	Open-cut dry	Inter-mediate	30.0	WWF	WW	NR	2	3
H-318	S-BB3	1.7	Kelly Run	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Inter-mediate	30.0	WWF	WW	NR	N/A	N/A

APPENDIX F-2 (continued)

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)
H-318	S-BB4	2.8	Bunola Run	Per	Route Ctl	Pipeline Route	N/A	26.0 l/	N/A	N/A	Open-cut dry	Inter-mediate	25.0	WWF	WW	NR	2	3
H-318	S-BB4	2.8	Bunola Run	Per	Temp.	ATWS	H318 ATWS 05c	N/A	0.0	0.3	N/A	Inter-mediate	25.0	WWF	WW	NR	N/A	N/A
H-318	S-BB4	2.8	Bunola Run	Per	Temp.	ATWS	H318 ATWS 05c	N/A	0.0	0.0	N/A	Inter-mediate	25.0	WWF	WW	NR	N/A	N/A
H-318	S-BB4	2.8	Bunola Run	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Inter-mediate	25.0	WWF	WW	NR	N/A	N/A
H-318	S-BB6	2.8	UNT / Monongahela River	Int	Temp.	ATWS	H318 ATWS 05c	N/A	0.0	0.0	N/A	Minor	10.0	WWF	WW	NR	N/A	N/A
Washington																		
H-318	S-BB2	3.8	UNT / Monongahela River	Eph	Route Ctl	Pipeline Route	N/A	1.3 l/	N/A	N/A	Open-cut dry	Minor	1.0	WWF	WW	NR	2	3
H-318	S-BB2	3.8	UNT / Monongahela River	Eph	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	1.0	WWF	WW	NR	N/A	N/A
H-318	S-BB1	4.2	Lobbs Run	Int	Access Ctl	Access Roads	H318 AR 07	0.4	N/A	N/A	N/A	Minor	2.0	WWF	WW	NR	N/A	N/A
H-318	S-BB1	4.2	Lobbs Run	Int	Route Ctl	Pipeline Route	N/A	5.8 l,m/	N/A	N/A	Open-cut dry	Minor	2.0	WWF	WW	NR	2	3
H-318	S-BB1	4.2	Lobbs Run	Int	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Minor	2.0	WWF	WW	NR	N/A	N/A
Allegheny/ Washington																		
H-318	S-BB5	2.95-3.12	Monongahela River g/	Per	Route Ctl	Pipeline Route	N/A	915.0 l/	N/A	N/A	HDD	Major	813.0	WWF	WW	NR	3	60
WEST VIRGINIA																		
Wetzel																		
H-319	S-A2A	0.04	UNT / North Fork Fishing Creek	Per	Access Ctl	Access Roads	H319 AR 01	15.0	N/A	N/A	N/A	Inter-mediate	15.0	B	WW	April 1-June 30	N/A	N/A
H-319	S-A2A	0.04	UNT / North Fork Fishing Creek	Per	Route Ctl	Pipeline Route	N/A	15.0	N/A	N/A	Open-cut dry	Inter-mediate	15.0	B	WW	April 1-June 30	3	3

APPENDIX F-2 (continued)

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)
H-319	S-A2A	0.04	UNT / North Fork Fishing Creek	Per	Temp.	Access Roads ROW	H319 AR 01	N/A	0.0	0.0	N/A	Inter-mediate	15.0	B	WW	April 1-June 30	N/A	N/A
H-319	S-A2A	0.04	UNT / North Fork Fishing Creek	Per	Temp.	Workspace	N/A	N/A	0.0	0.0	N/A	Inter-mediate	15.0	B	WW	April 1-June 30	N/A	N/A
Mobley	S-J63	0	UNT / Mobley Run	Int	Route Ctl	Lateral Tap	N/A	1.6	N/A	N/A	N/A	Minor	7.0	B	WW	April 1-June 30	N/A	N/A
Mobley	S-J63	0	UNT / Mobley Run	Per	Perm.	Mobley Station	N/A	N/A	0.0	0.0	N/A	Minor	7.0	B	WW	April 1-June 30	N/A	N/A
Mobley	S-J63	0	UNT / Mobley Run	Per	Temp.	ATWS	Mobley ATWS01	N/A	0.0	0.0	N/A	Minor	7.0	B	WW	April 1-June 30	N/A	N/A
Mobley	S-Z1	0	UNT / Mobley Run	Per	Perm.	Mobley Station	N/A	N/A	0.0	0.0	N/A	Inter-mediate	12.0	B	WW	April 1-June 30	N/A	N/A
Webster	S-A2A	0.04	UNT / North Fork Fishing Creek	Per	Temp.	ATWS	Webster ATWS 01	N/A	0.0	0.1	N/A	Inter-mediate	15.0	B	WW	April 1-June 30	N/A	N/A
Webster	S-A3A	0.04	UNT / North Fork Fishing Creek	Int	Temp.	Access Roads ROW	Webster AR 03	N/A	0.0	0.0	N/A	Minor	8.0	B	WW	April 1-June 30	N/A	N/A
Webster	S-A3A	0.04	UNT / North Fork Fishing Creek	Int	Temp.	ATWS	Webster ATWS 01	N/A	0.0	0.0	N/A	Minor	8.0	B	WW	April 1-June 30	N/A	N/A

Notes:

UNT – Unnamed Tributary, N/A - Not Applicable

a/ All waterbody IDs beginning with "S" are surveyed waterbodies.

b/ From Federal Register / Vol. 80, No. 124 / Monday, June 29, 2015 / Rules

Eph streams (rain-dependent streams) have flowing water only in response to precipitation events in a typical year, and are always above the water table.

Int streams (seasonal streams) are those that have both precipitation and groundwater providing part of the stream's flow, and flow continuously only during certain times of the year (e.g., during certain seasons such as the rainy season).

c/ Pennsylvania Protected and State Water Uses: (Source: 25 Pa. Code 93)

WWF = Warm Water Fishes

d/ West Virginia State Water Classifications: (Source: W.Va. Code 47CSR2)

B = Propagation and Maintenance of fish and other aquatic life

e/ Fishery Type: (Source: WVDEP, WWVDNR, and PADEP)

WW = Warmwater

f/ TOYR - Time of Year Restriction = Any span of time within time-of-year restrictions set forth by U.S. Army Corps of Engineer's 401 Water Quality Certification for streams crossed in WV and Greene County Conservation District (No date a, b)

NR = No Restriction

APPENDIX F-2 (continued)

Waterbodies Crossed by the Equitrans Expansion Project a/

Project Feature	Waterbody ID	Milepost	Waterbody Name	Flow Type b/	Impact Type n/	Impact Description	ATWS / Access Road ID	Length of Crossing (feet) h/	Perm. Impacts (Acres)	Temporary Impacts (Acres)	Crossing Method j/	FERC Classification	Waterbody Width (Feet) k/	Water Use c/, d/	Fishery Type e/	TOYR f/	Class of Pipe	Depth of Cover (Feet)

g/ River crosses county line

h/ Length of crossing is for linear feature (pipeline or access road) crossing length, which is different than the waterbody width if the crossing is not exactly perpendicular to the waterbody.

i/ The HDD crossing for South Fork Tenmile Creek also crosses the unnamed tributaries in the same bore.

j/ Open-cut dry crossing methods will either be dam and pump or flume.

k/ Waterbody width was measured in the field in the center of the survey area (not exactly at the pipeline crossing) and represents the bank full width (not the water width at the time of the survey).

l/ Pipeline crossing length is greater than top of bank width due to not crossing perpendicular to the waterbody.

m/ Pipeline crossing length is greater than top of bank width due to the pipeline crossing the stream more than once because of the meandering or branched nature of the waterbody.

n/ Route Ctl = Route Centerline; Access Ctl = Access Road Centerline.

APPENDIX F-3

Impaired Waterbodies Crossed by the Mountain Valley Project

APPENDIX F-3

Impaired Waterbodies Crossed by the Mountain Valley Project

State/County	MP	Waterbody Name	Crossing Method	Cause(s) of Impairment	TMDL
West Virginia					
Wetzel	0.6	North Fork Fishing Creek	Open-cut Dry	Fecal Coliform	1.77E+11 counts/day
				Iron	158.27 lbs/day
Wetzel	2.3	Fallen Timber Run	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
				Fecal Coliform	1.57E+10 counts/day
				Iron, sedimentation	10.87 lbs/day
Wetzel	5.0, 5.5	Price Run	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
				Fecal Coliform	5.247E+10 counts/day
				Iron, sedimentation	34.37 lbs/day
Harrison	15.5	Little Tenmile Creek	Open-cut Dry	Benthic macroinvertebrates Bioassessments, cause unknown	TMDL needed
				Iron, mine drainage	27,045 lbs/year
				Manganese, mine drainage	12,034 lbs/year
Harrison	17.8	Little Rockcamp Run	Open-cut Dry	Benthic macroinvertebrates Bioassessments, Iron, Manganese	N/A
				Iron, mine drainage	4,520 lbs/year
				Manganese, mine drainage	3,437 lbs/year
Harrison	18.8	Rockcamp Run	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
				Iron, mine drainage	4,520 lbs/year
				Manganese, mine drainage	3,437 lbs/year
Harrison	26.0	Salem Fork	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
Lewis	31.3	Coburn Fork	Open-cut Dry	Iron, mine drainage	2,287 lbs/year
				Manganese, mine drainage	962 lbs/year
				Aluminum, mine drainage	1,130 lbs/year
				pH, mine drainage	Reducing in-stream metals

APPENDIX F-3 (continued)

Impaired Waterbodies Crossed by the Mountain Valley Project

State/County	MP	Waterbody Name	Crossing Method	Cause(s) of Impairment	TMDL
Lewis	44.8	Fink Creek	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
Lewis	52.4	Cove Lick	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
Lewis	55.2	Sand Fork	Open-cut Dry	Benthic macroinvertebrates Bioassessments, cause unknown	TMDL needed
				Iron, non-point source	35 tons/year
Lewis	58.6, 59.0, 60.1	Indian Fork	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
Lewis	62.3	Oil Creek	Open-cut Dry	Aluminum, sediment	5 tons/year or 0.75 mg/L
Nicholas	113.9, 155.9	Big Beaver Creek	Open-cut Dry	Fecal Coliform, NPS	1.48E+11 counts/day
Nicholas	120.5	Little Laurel Creek	Open-cut Dry	pH, acid deposition	N/A
Nicholas	126.5	Hominy Creek	Open-cut Dry	Iron, Mining and Non-Point sources (upstream of river mile 17.3)	35.8 lbs/day
Greenbrier	140.1, 143.7	Meadow River	Open-cut Dry	Iron, mining	N/A to mainstem
				Fecal Coliform, NPS and agriculture	N/A to mainstem
Greenbrier	146.7	Little Sewell Creek	Open-cut Dry	Iron, sediment, mining and NPS	87.5 lbs/day
				Fecal Coliform, NPS and agriculture	3.79E+10 counts/day
Summers	161.6, 162.6	Lick Creek	Open-cut Dry	Fecal Coliform, organic enrichment	3.48E+12 counts/day
Summers	169.2, 169.7	Hungard Creek	Open-cut Dry	Fecal Coliform, sewage treatment plants, combined sewer overflows and NPS	4.02E+13 counts/day
Summers	170.5	Greenbrier River	Wet Open-cut	Fecal Coliform, sewage treatment plants, combined sewer overflows and NPS	3.13E+15 counts/day
Summers	171.8	Kelly Creek	Open-cut Dry	Fecal Coliform, sewage treatment plants, combined sewer overflows and NPS	1.83E+13 counts/day

APPENDIX F-3 (continued)

Impaired Waterbodies Crossed by the Mountain Valley Project

State/County	MP	Waterbody Name	Crossing Method	Cause(s) of Impairment	TMDL
Monroe	181.9	Indian Creek	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
				Fecal Coliform, Pathogens	2.11E+13 counts/day
				Iron, mine drainage	36,666 lbs/year
				Manganese, mine drainage	40,978 lbs/year
Monroe	186.8	Hans Creek	Open-cut Dry	Fecal Coliform, organic enrichment	1.54E+11 counts/day
Monroe	191.1	Dry Creek	Open-cut Dry	Benthic macroinvertebrates Bioassessments	N/A
				Fecal Coliform, organic enrichment	3.59E+10
				Iron, NPS (streambank erosion)	36 lbs/day
Monroe	193.6	Painter Run	Open-cut Dry	Fecal Coliform, sewage treatment plants, combined sewer overflows and NPS	1.08E+10
Virginia					
Giles	199.4	Stony Creek	Open-cut Dry	Polychlorinated Biphenyls (PCBs) in Fish Tissue	To be developed in 2022
Giles	209.9	Sinking Creek	Open-cut Dry	E. Coli	To be developed in 2026
Montgomery	229.2	Bradshaw Creek	Open-cut Dry	E. Coli	To be developed in 2022
				pH, suspected natural conditions	To be developed in 2022
Montgomery	233.8	Roanoke River	Open-cut Dry	Temperature	Under development
				PCBs	33,277.3 mg/year
Franklin	247.3	North Fork Blackwater River	Open-cut Dry	E. Coli	200 cfu/100 ml.
Franklin	255.7 to 259.9	Teels Creek	Open-cut Dry	Benthic macroinvertebrates bioassessments	Priority Impaired Water for 2016-2022
				E. Coli	200 cfu/100 ml.

APPENDIX F-3 (continued)

Impaired Waterbodies Crossed by the Mountain Valley Project

State/County	MP	Waterbody Name	Crossing Method	Cause(s) of Impairment	TMDL
Franklin	259.8, 260.1, 260.8	Little Creek	Open-cut Dry	Benthic macroinvertebrates bioassessments	Priority Impaired Water for 2016-2022
				E. Coli	200 cfu/100 ml.
Franklin	266.5	Maggodee Creek	Open-cut Dry	Benthic macroinvertebrates bioassessments	Priority Impaired Water for 2016-2022
				E. Coli	200 cfu/100 ml.
Franklin	262.8, 266.9	Blackwater River	Open-cut Dry	Benthic macroinvertebrates bioassessments	To be developed in 2020
				E. Coli	To be developed in 2020
				Mercury in Fish Tissue	To be developed in 2020
				PCBs in Fish Tissue	To be developed in 2014- no further data available
Franklin	269.5	Foul Ground Creek	Open-cut Dry	Fecal Coliform	To be developed in 2016
Pittsylvania	286.3	Pigg River	Open-cut Dry	E. Coli	4.09E+10 cfu/yr.
Pittsylvania	287.1, 287.7, 289.2	Harpen Creek	Open-cut Dry	E. Coli	To be developed in 2018
Pittsylvania	297.3	Little Cherrystone Creek	Open-cut Dry	Fecal Coliform	To be developed in 2016

N/A = not applicable; TMDLs are not developed for this impairment.
TMDL = Total Maximum Daily Load
Source: EPA, 2014; WVDEP, 2012; VDEQ, 2012
Notes: The EEP would not cross any impaired waterbodies.

APPENDIX F-4

Waterbodies Crossed by the Mountain Valley Project in Karst Areas

APPENDIX F-4

Waterbodies Crossed by the Mountain Valley Project in Karst Areas

State/County	MP(s)	Waterbody Name	Flow Type(s)
West Virginia			
Summers	171.0, 171.1, 171.3	UNT/Greenbrier River	Ephemeral
Summers	171.6, 171.7	UNT/Kelly Creek	Ephemeral
Summers	171.8	Kelly Creek	Perennial
Summers	172.3, 173.0	UNT/ Kelly Creek	Ephemeral
Summers	173.3	UNT/ Wind Creek	Ephemeral
Monroe	190.0	Blue Lick Creek	Perennial
Monroe	190.1, 190.2	UNT/Hans Creek	Ephemeral
Monroe	190.7, 191.1	UNT/Dry Creek	Ephemeral
Monroe	191.1	Dry Creek	Perennial
Monroe	193.6, 193.7, 194.2	UNT/Painter Run	Intermittent
Monroe	193.6	Painter Run	Perennial
Virginia			
Giles	195.8, 198.0, 198.1	Kimballton Branch	Intermittent, Perennial
Giles	195.8, 198.0	UNT/Kimballton Branch	Ephemeral, Perennial
Giles	196.9, 198.5	Curve Branch	Intermittent
Giles	196.9	UNT/Curve Branch	Intermittent
Giles	196.9, 197.4, 197.5, 199.1	UNT/Stony Creek	Ephemeral, Intermittent, Perennial
Giles	198.8, 198.9	UNT/Clendennin Creek	Perennial
Giles	199.4	Stony Creek	Perennial
Giles	203.4	Little Stony Creek	Perennial
Giles	201.0, 201.3, 201.4, 201.7	UNT/Dry Branch	Ephemeral, Intermittent, Perennial
Giles	202.5, 202.7, 202.8, 203.0, 203.3, 203.5	UNT/Little Stony Creek	Ephemeral, Intermittent, Perennial
Giles	203.3, 203.4	Little Stony Creek	Perennial
Giles	204.0, 204.2, 204.3, 204.8, 205.6	UNT/Doe Creek	Ephemeral, Perennial
Giles	205.6	Doe Creek	Perennial
Giles	206.1, 206.3, 206.5 – 206.8, 207.2 – 207.4, 208.3, 212.4, 213.0, 213.3, 213.5, 213.6, 215.2, 215.3	UNT/Sinking Creek	Ephemeral, Intermittent, Perennial
Giles	209.0, 209.9	Sinking Creek	Ephemeral
Giles	211.7	Greenbrier Branch	Perennial

APPENDIX F-4 (continued)

Waterbodies Crossed by the Mountain Valley Project in Karst Areas

State/County	MP(s)	Waterbody Name	Flow Type(s)
Giles	211.7	UNT/Greenbrier Branch	Intermittent
Craig	216.0, 216.3 – 216.5	UNT/Sinking Creek	Intermittent, Perennial
Montgomery	217.4, 217.8, 218.3, 218.6	UNT/Craig Creek	Ephemeral, Intermittent, Perennial
Montgomery	218.2, 218.36, 218.6	Craig Creek	Perennial
Montgomery	220.0, 220.7, 220.8, 226.2, 223.2, 225.0, 225.9, 226.0, 226.2, 226.3, 232.5 , 232.6	UNT/North Fork Roanoke River	Ephemeral, Intermittent, Perennial
Montgomery	223.9, 224.0	Mill Creek	Perennial
Montgomery	224.0	Skelt Run	Perennial
Montgomery	223.9	UNT/Mill Creek	Intermittent
Montgomery	225.8, 230.1	North Fork Roanoke River	Perennial
Montgomery	227.1, 227.2, 227.5, 227.6, 227.7, 227.9 - 228.2	UNT/Flatwoods Branch	Ephemeral, Intermittent, Perennial
Montgomery	228.1	Flatwoods Branch	Ephemeral, Perennial
Montgomery	228.6 - 228.8, 229.4, 229.6	UNT/Bradshaw Creek	Ephemeral, Intermittent
Montgomery	229.2, 229.6	Bradshaw Creek	Perennial
Montgomery	232.7, 232.8, 234.0, 234.3, 236.1	UNT/Roanoke River	Ephemeral, Intermittent. Perennial
Montgomery	233.8	Roanoke River	Perennial
Montgomery	234.7, 235.5, 235.7	UNT/Cove Hollow	Ephemeral, Intermittent
Montgomery	237.7	UNT/Dry Hollow	Intermittent

UNT - Unnamed tributary

Note: No waterbodies in karst areas would be crossed by the EEP.

APPENDIX F-5

Fisheries of Special Concern Crossed by the Mountain Valley Project

APPENDIX F-5

Fisheries of Special Concern Crossed by the Mountain Valley Project

Facility	Waterbody	MP	County	Fishery Type/ Issue a/	Species b/	Crossing Method	Restricted In-stream Construction Window c/
Pipeline	North Fork Fishing Creek	0.7	Wetzel, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Rockcamp Run	18.8	Harrison, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Salem Fork	26.0	Harrison, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Right Fork Freemans Creek	42.7	Lewis, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Fink Creek	44.8	Lewis, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Leading Creek	48.1	Lewis, WV	WW, M, TE	Snuffbox; clubshell	Open-Cut Dry	April 1 – June 30
Pipeline	Sand Fork	55.2	Lewis, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Knawl Creek	68.8	Braxton, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Little Kanawha River	75.0	Braxton, WV	WW, M, TE	Snuffbox, clubshell	Open-Cut Dry	April 1 – June 30
Pipeline	Left Fork Holly River	81.7	Webster, WV	CW, B2		Open-Cut Dry	September 15 – March 31
Pipeline	Elk River	87.4	Webster, WV	CW, M, TE	Clubshell	Wet Open-Cut	September 15 – March 31
Pipeline	Laurel Creek	98.9	Webster, WV	CW, M		Open-Cut Dry	September 15 – March 31
Pipeline	Gauley River	118.6	Nicholas, WV	WW, M		Wet Open-Cut	April 1 – June 30
Pipeline	Hominy Creek	126.5	Nicholas, WV	CW, B2, M		Open-Cut Dry	September 15 – March 31
Pipeline	UNT to Hominy Creek	128.0	Nicholas, WV	CW, B2		Open-Cut Dry	September 15 – March 31
Pipeline	UNT to Hominy Creek	131.2	Nicholas, WV	CW, B2		Open-Cut Dry	September 15 – March 31
Pipeline	UNT to Hominy Creek	131.4	Nicholas, WV	CW, B2		Open-Cut Dry	September 15 – March 31
Pipeline	UNT to Hominy Creek	132.0	Nicholas, WV	CW, B2		Open-Cut Dry	September 15 – March 31

APPENDIX F-5 (continued)

Fisheries of Special Concern Crossed by the Mountain Valley Project

Facility	Waterbody	MP	County	Fishery Type/ Issue a/	Species b/	Crossing Method	Restricted In-stream Construction Window c/
Pipeline	Meadow Creek	140.1	Greenbrier, WV	CW, B2		Open-Cut Dry	September 15 – March 31
Pipeline	Meadow River	143.7	Greenbrier, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Greenbrier River	170.6	Summers, WV	WW, M		Open-Cut Dry	April 1 – June 30
Pipeline	Indian Creek	181.9	Monroe, WV	WW, M		Open-Cut Dry	April 1 – June 30
Access Road	Kimballton Branch	195.8	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Kimballton Branch	198.0	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Stony Creek	199.4	Giles, VA	CW, WT, M ST, TE	Green floater, Candy darter, pistolgrip	Open-Cut Dry	August 15 – July 31
Pipeline	UNT to Little Stony Creek	202.5	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Little Stony Creek	202.8	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Little Stony Creek	203.3	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Little Stony Creek	203.3	Giles, VA	CW, WT, ST		Open-Cut Dry	October 1 – June 30
Pipeline	Little Stony Creek	203.4	Giles, VA	CW, WT, ST		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	206.7	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	206.7	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Access Road	UNT to Sinking Creek	206.8	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	207.3	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Sinking Creek	209.9	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Greenbrier Branch	211.7	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30

APPENDIX F-5 (continued)

Fisheries of Special Concern Crossed by the Mountain Valley Project

Facility	Waterbody	MP	County	Fishery Type/ Issue a/	Species b/	Crossing Method	Restricted In-stream Construction Window c/
Access Road	UNT to Sinking Creek	213.6	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	215.2	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	215.3	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	215.2	Giles, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	UNT to Sinking Creek	216.3	Craig, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Craig Creek	218.6	Montgomery, VA	CW, M, TE	James spinymussel, Atlantic pigtoe, orangefin madtom	Open-Cut Dry	March 1 – July 31
Pipeline	Mill Creek	224.0	Montgomery, VA	CW, M, WT	Yellow lampmussel	Open-Cut Dry	August 15 – September 30
Pipeline	North Fork Roanoke River	225.8	Montgomery, VA	CW, TE, WT	Roanoke logperch	Open-Cut Dry	October 1 – June 30
Access Road	North Fork Roanoke River	225.8	Montgomery, VA	CW, TE, WT	Roanoke logperch	Open-Cut Dry	October 1 – June 30
Pipeline	Roanoke River	233.8	Montgomery, VA	WW, TE	Roanoke logperch, Orangefin madtom	Open-Cut Dry	March 15 – July 15
Pipeline	Bottom Creek	240.4	Roanoke, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Mill Creek	242.9	Roanoke, VA	CW, WT, TE,	Orangefin madtom	Open-Cut Dry	October 1 – June 30
Pipeline	North Fork Blackwater River	247.3	Franklin, VA	CW, WT		Open-Cut Dry	October 1 – June 30
Pipeline	Pigg River	286.3	Franklin, VA	CW, TE	Roanoke logperch, Yellow lampmussel	Open-Cut Dry	March 1 – June 30; August 15 – September 30

APPENDIX F-5 (continued)

Fisheries of Special Concern Crossed by the Mountain Valley Project

Facility	Waterbody	MP	County	Fishery Type/ Issue a/	Species b/	Crossing Method	Restricted In-stream Construction Window c/

Note: MP listed for access roads is nearest pipeline MP.

a/ M = Mussel Stream
B2 = Trout Waters (WV only)
CW = Coldwater Stream; in-stream construction restriction from Sept. 15 – March 31 in WV and March 1 – June 30 in VA
WW = Warmwater Stream; in-stream construction restriction from April 1 – June 30 in WV and April 15 – July 15 in VA
TE = Threatened and Endangered Species Stream
WT = Wild Trout Stream (VA only); in-stream construction restriction from October 1 – March 31
ST = Stocked Trout Steam (VA only); in-stream construction restriction from March 15 –May 15

b/ Atlantic pigtoe mussel; VDGIF in-stream construction restriction from May 15 – July 31
Green floater mussel; VDGIF in-stream construction restriction from April 15 – June 15 and August 15 – September 30
James spinymussel; VDGIF in-stream construction restriction from May 15 – July 31
Orangefin madtom; VDGIF in-stream construction restriction from March 15 – May 31
Roanoke logperch; VDGIF in-stream construction restriction from March 15 – June 30
Yellow lampmussel; VDGIF in-stream construction restriction from April 15 – June 15 and August 15 – September 30

c/ Restricted In-stream Construction Windows = Any span of time within time-of-year restrictions set forth by COE's 401 Water Quality Certification for streams crossed in WV and by the VDGIF time-of-year restrictions for warmwater streams, coldwater streams, or streams containing rare, threatened, or endangered species in VA.

Sources: Clayton et al., 2015; VDCR, 2015; VDGIF, 2015a

APPENDIX G

Wetlands Crossed by the Projects

APPENDIX G-1

Wetlands Crossed by the Projects

Mountain Valley Project

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-A1a	0.7	West Virginia	Wetzel	PEM	Pipeline Facilities		<0.01	<0.01
W-A2a	0.7	West Virginia	Wetzel	PEM	Pipeline Facilities	48.8	0.07	0.05
W-A4a	1.5	West Virginia	Wetzel	PEM	Pipeline Facilities	11.3	0.02	0.01
W-A28	5.1	West Virginia	Wetzel	PEM	Access Roads		0.11	0.00
W-A27-PEM	5.6	West Virginia	Wetzel	PEM	Pipeline Facilities	29.9	0.05	0.03
W-A27-PFO	5.6	West Virginia	Wetzel	PFO	Access Roads		<0.01	<0.01
W-A27-PFO	5.6	West Virginia	Wetzel	PFO	Pipeline Facilities	25.0	0.05	0.03
W-A35	6.5	West Virginia	Wetzel	PEM	Pipeline Facilities	2.5	0.01	<0.01
W-A28	6.6	West Virginia	Wetzel	PEM	Access Roads		0.15	0.00
W-A29	6.6	West Virginia	Wetzel	PEM	Access Roads		0.01	0.00
W-A30	6.6	West Virginia	Wetzel	PEM	Access Roads		0.15	0.00
W-A31	6.6	West Virginia	Wetzel	PEM	Access Roads		0.03	0.00
W-A32	6.6	West Virginia	Wetzel	PEM	Access Roads		0.07	0.00
W-A32	6.6	West Virginia	Wetzel	PEM	Pipeline Facilities		<0.01	0.00

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-A33	6.6	West Virginia	Wetzel	PEM	Access Roads		0.03	0.00
W-A34	6.6	West Virginia	Wetzel	PEM	Pipeline Facilities	64.3	0.08	0.06
W-A26	7.7	West Virginia	Wetzel	PEM	Access Roads		0.21	0.00
W-A26	7.7	West Virginia	Wetzel	PEM	Pipeline Facilities		0.23	0.00
W-J33	8.8	West Virginia	Wetzel	PEM	Access Roads		0.02	0.00
W-A6a	11.4	West Virginia	Harrison	PEM	Pipeline Facilities		0.02	0.00
W-B55	12.2	West Virginia	Harrison	PEM	Pipeline Facilities	11.1	0.02	0.01
W-J32-PEM	16	West Virginia	Harrison	PEM	Access Roads		0.06	0.06
W-J32-PSS	16	West Virginia	Harrison	PEM	Access Roads		0.03	0.03
W-F58	17.8	West Virginia	Harrison	PEM	Pipeline Facilities		<0.01	0.00
W-A10a	17.9	West Virginia	Harrison	PEM	Pipeline Facilities	6.8	0.03	0.02
W-F67A	17.9	West Virginia	Harrison	PEM	Pipeline Facilities		<0.01	<0.01
W-A39	18.7	West Virginia	Harrison	PEM	Access Roads		0.03	0.00
W-B1a	18.7	West Virginia	Harrison	PEM	Pipeline Facilities	7.6	0.01	0.01
W-A37	18.8	West Virginia	Harrison	PEM	Access Roads		<0.01	<0.01

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-A37	18.8	West Virginia	Harrison	PEM	Pipeline Facilities		0.02	0.00
W-A38	18.8	West Virginia	Harrison	PEM	Pipeline Facilities		0.24	0.00
W-A40	18.8	West Virginia	Harrison	PEM	Pipeline Facilities	77.9	0.31	0.07
W-A11a	21.7	West Virginia	Harrison	PEM	Pipeline Facilities		0.01	<0.01
W-F62	22.4	West Virginia	Harrison	PEM	Access Roads		0.11	0.00
W-F63	22.4	West Virginia	Harrison	PEM	Access Roads		0.02	0.00
W-F61	22.6	West Virginia	Harrison	PEM	Access Roads		<0.01	0.00
W-F59	22.7	West Virginia	Harrison	PEM	Access Roads		<0.01	0.00
W-F60	22.7	West Virginia	Harrison	PEM	Access Roads		<0.01	0.00
W-B4a	23.1	West Virginia	Harrison	PEM	Pipeline Facilities		0.03	0.02
W-F67B	23.1	West Virginia	Harrison	PEM	Pipeline Facilities		<0.01	0.00
W-B56	25.9	West Virginia	Harrison	PEM	Access Roads		0.09	0.00
W-UU1	26.0	West Virginia	Harrison	PFO	Pipeline Facilities	17.7	0.02	0.02
W-UU3	26.0	West Virginia	Harrison	PFO	Pipeline Facilities	1.7	0.01	<0.01
W-UU4	30.2	West Virginia	Harrison	PEM	Pipeline Facilities	16.5	0.02	0.01

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-F52	30.9	West Virginia	Harrison	PEM	Access Roads		0.06	0.00
W-F53	30.9	West Virginia	Harrison	PEM	Pipeline Facilities		0.04	<0.01
W-F54	30.9	West Virginia	Harrison	PEM	Pipeline Facilities		0.01	0.01
W-F55	30.9	West Virginia	Harrison	PEM	Access Roads		0.01	0.00
W-F55	30.9	West Virginia	Harrison	PEM	Pipeline Facilities	31.4	0.05	0.03
W-K43	31.4	West Virginia	Harrison	PEM	Pipeline Facilities	125.6	0.21	0.15
W-K44	31.4	West Virginia	Harrison	PEM	Pipeline Facilities	29.7	0.07	0.05
W-K52	31.9	West Virginia	Doddridge	PEM	Access Roads		0.01	0.01
W-K45	32.6	West Virginia	Doddridge	PEM	Pipeline Facilities	16.0	0.04	0.02
W-K48	32.8	West Virginia	Harrison	PEM	Pipeline Facilities		0.01	<0.01
W-K49	32.8	West Virginia	Harrison	PEM	Pipeline Facilities	9.0	0.01	0.01
W-K51	32.9	West Virginia	Harrison	PEM	Pipeline Facilities	49.1	0.03	0.03
TTWV-W-1 PEM	33.0	West Virginia	Harrison	PEM	Pipeline Facilities	613.7	1.21	0.68
TTWV-W-1 PFO	33.0	West Virginia	Harrison	PFO	Pipeline Facilities	60.9	0.17	0.07
TTWV-W-2	33.2	West Virginia	Harrison	PEM	Access Roads		0.03	0.03

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-2	33.2	West Virginia	Harrison	PEM	Pipeline Facilities		0.03	<0.01
TTWV-W-3	33.3	West Virginia	Harrison	PEM	Access Roads		<0.01	<0.01
W-UU5	34.1	West Virginia	Doddridge	PEM	Pipeline Facilities		<0.01	0.00
W-K40	34.4	West Virginia	Doddridge	PEM	Pipeline Facilities	20.0	0.01	0.01
W-K41	34.4	West Virginia	Doddridge	PEM	Pipeline Facilities	15.8	0.02	0.02
W-A23	35.0	West Virginia	Doddridge	PEM	Access Roads		0.76	0.76
W-A23	35.0	West Virginia	Doddridge	PEM	Pipeline Facilities	103.5	0.46	0.05
W-A22	37.6	West Virginia	Harrison	PEM	Pipeline Facilities		0.02	0.00
W-A24	37.9	West Virginia	Harrison	PEM	Access Roads		0.01	0.00
W-J40	38.2	West Virginia	Harrison	PEM	Access Roads		0.24	0.00
W-J40	38.2	West Virginia	Harrison	PEM	Pipeline Facilities	152.3	0.29	0.18
W-VV5	41.3	West Virginia	Lewis	PEM	Pipeline Facilities		0.03	0.00
W-I26	41.4	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-I28	41.9	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-I27	42.0	West Virginia	Lewis	PEM	Access Roads		0.04	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-J20	43.2	West Virginia	Lewis	PEM	Access Roads		0.01	0.01
W-J23	43.3	West Virginia	Lewis	PEM	Pipeline Facilities	8.6	0.01	0.01
W-B57	43.4	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-B57	43.4	West Virginia	Lewis	PEM	Pipeline Facilities		0.02	0.00
W-K33-PEM	44.8	West Virginia	Lewis	PEM	Pipeline Facilities	37.2	0.66	0.04
W-K33-PSS	44.8	West Virginia	Lewis	PSS	Pipeline Facilities		<0.01	0.00
W-K34-PSS	44.9	West Virginia	Lewis	PSS	Pipeline Facilities		0.04	0.02
W-K39	45.0	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-K29	45.9	West Virginia	Lewis	PEM	Access Roads		0.02	0.00
W-K30	45.9	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-K31	45.9	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-K31	45.9	West Virginia	Lewis	PEM	Pipeline Facilities	76.7	0.11	0.08
W-B46	46.0	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-B46	46.0	West Virginia	Lewis	PEM	Pipeline Facilities	67.4	0.12	0.08
W-B47	46.0	West Virginia	Lewis	PEM	Access Roads		0.06	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-B47	46.0	West Virginia	Lewis	PEM	Pipeline Facilities	82.8	0.15	0.10
W-B48	46.0	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-B49	46.0	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-B51	46.1	West Virginia	Lewis	PEM	Pipeline Facilities	4.1	0.01	<0.01
W-B52	46.1	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-B54	46.4	West Virginia	Lewis	PEM	Pipeline Facilities	10.9	0.01	0.01
W-H112	46.9	West Virginia	Lewis	PEM	Pipeline Facilities	85.7	0.02	0.02
W-H111	47.1	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-H110	47.2	West Virginia	Lewis	PEM	Pipeline Facilities	90.6	0.26	0.18
W-H109	48.0	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	<0.01
W-I22-PEM	48.0	West Virginia	Lewis	PEM	Access Roads		0.02	0.02
W-I22-PEM	48.1	West Virginia	Lewis	PEM	Pipeline Facilities	25.9	0.03	0.02
W-KK6	51.2	West Virginia	Lewis	PEM	Pipeline Facilities		0.01	<0.01
W-K28	51.7	West Virginia	Lewis	PEM	Access Roads		0.017	0.00
W-L42	51.7	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-K28	51.8	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-L41	52.1	West Virginia	Lewis	PEM	Access Roads		0.02	0.00
W-K27	52.8	West Virginia	Lewis	PEM	Pipeline Facilities		0.03	0.00
W-L39	54.1	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-I15	55.3	West Virginia	Lewis	PEM	Access Roads		0.14	0.14
W-I15	55.3	West Virginia	Lewis	PEM	Pipeline Facilities	33.4	0.05	0.04
W-I16	55.6	West Virginia	Lewis	PEM	Pipeline Facilities	41.5	0.03	0.02
W-I21	55.6	West Virginia	Lewis	PEM	Pipeline Facilities		0.06	0.03
W-I17	55.8	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	<0.01
W-I20	55.8	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	<0.01
W-H103	58.6	West Virginia	Lewis	PEM	Pipeline Facilities	6.6	0.02	0.01
W-H103	58.6	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-H106	58.6	West Virginia	Lewis	PEM	Pipeline Facilities		0.06	0.00
W-UU7	58.6	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-H105	58.7	West Virginia	Lewis	PEM	Pipeline Facilities		0.01	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-H107	58.7	West Virginia	Lewis	PEM	Pipeline Facilities		0.03	0.01
W-KK5	59.0	West Virginia	Lewis	PEM	Pipeline Facilities		0.04	0.00
W-L37	59.0	West Virginia	Lewis	PEM	Access Roads		0.01	0.01
W-L37	59.0	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-H98	59.3	West Virginia	Lewis	PEM	Access Roads		0.05	0.05
W-H97	59.8	West Virginia	Lewis	PEM	Pipeline Facilities		<0.01	0.00
W-H108	60.0	West Virginia	Lewis	PEM	Pipeline Facilities	12.3	0.03	0.02
W-L36	60.1	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-L36	60.1	West Virginia	Lewis	PEM	Pipeline Facilities		0.06	0.00
W-UU8	60.1	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
W-UU8	60.1	West Virginia	Lewis	PEM	Pipeline Facilities		0.14	0.00
W-H95	60.4	West Virginia	Lewis	PEM	Pipeline Facilities	52.7	0.09	0.06
W-H96	60.4	West Virginia	Lewis	PEM	Pipeline Facilities		0.01	<0.01
W-VV9	61.3	West Virginia	Lewis	PEM	Pipeline Facilities		0.05	0.02
TTWV-W-4	61.4	West Virginia	Lewis	PFO	Access Roads		0.06	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-5 PEM	61.4	West Virginia	Lewis	PEM	Access Roads		0.18	0.00
TTWV-W-5 PFO	61.4	West Virginia	Lewis	PFO	Access Roads		0.29	0.00
TTWV-W-6 PEM	61.4	West Virginia	Lewis	PEM	Access Roads		0.02	0.00
TTWV-W-6 PFO	61.4	West Virginia	Lewis	PFO	Access Roads		0.15	0.00
W-VV8	61.4	West Virginia	Lewis	PEM	Pipeline Facilities	40.9	0.07	0.05
W-VV10	61.8	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
TTWV-W-44	62.0	West Virginia	Lewis	PEM	Access Roads		0.06	0.00
TTWV-W-45	62.0	West Virginia	Lewis	PEM	Access Roads		0.09	0.00
TTWV-W-46 PEM	62.0	West Virginia	Lewis	PEM	Access Roads		0.10	0.00
TTWV-W-46 PFO	62.0	West Virginia	Lewis	PFO	Access Roads		0.01	0.00
TTWV-W-47 PEM	62.0	West Virginia	Lewis	PEM	Access Roads		0.01	0.00
TTWV-W-47 PFO	62.0	West Virginia	Lewis	PFO	Access Roads		0.05	0.00
TTWV-W-48	62.3	West Virginia	Lewis	PFO	Access Roads		0.08	0.00
TTWV-W-48	62.3	West Virginia	Lewis	PFO	Pipeline Facilities	195.2	0.44	0.22
W-VV11	62.4	West Virginia	Lewis	PEM	Access Roads		0.02	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-VV12	62.5	West Virginia	Lewis	PEM	Access Roads		0.03	0.00
W-UU10	65.2	West Virginia	Lewis	PEM	Pipeline Facilities		0	0.00
W-UU9	65.3	West Virginia	Lewis	PEM	Access Roads		<0.01	0.00
W-VV4-PEM	65.5	West Virginia	Lewis	PEM	Pipeline Facilities	2.5	0.01	0.01
W-VV4-PFO	65.5	West Virginia	Lewis	PFO	Pipeline Facilities	65.3	0.24	0.07
W-VV3-PEM	65.6	West Virginia	Braxton	PEM	Pipeline Facilities	27.4	0.09	0.03
W-VV3-PFO	65.6	West Virginia	Braxton	PFO	Pipeline Facilities	10.1	0.07	0.01
W-L33	68.5	West Virginia	Braxton	PEM	Access Roads		0.02	0.00
W-J41	72.3	West Virginia	Braxton	PEM	Access Roads		<0.01	<0.01
W-J41	72.3	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	0.00
W-I12	72.5	West Virginia	Braxton	PEM	Access Roads		<0.01	<0.01
W-K25	72.8	West Virginia	Braxton	PEM	Pipeline Facilities	6.4	0.05	0.03
W-K26	72.8	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	0.00
W-K24	73.6	West Virginia	Braxton	PSS	Pipeline Facilities		0.01	<0.01
W-KK4	73.6	West Virginia	Braxton	PEM	Access Roads		0.02	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-H90	74.2	West Virginia	Braxton	PEM	Pipeline Facilities	30.0	0.04	0.03
W-H92	74.8	West Virginia	Braxton	PEM	Access Roads		0.01	0.00
W-H92	74.8	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	0.00
W-H93	74.8	West Virginia	Braxton	PEM	Access Roads		<0.01	0.00
W-H93	74.8	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	0.00
W-L32	75.1	West Virginia	Braxton	PEM	Access Roads		<0.01	0.00
W-H89	77.0	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	<0.01
W-AA3	77.5	West Virginia	Braxton	PEM	Aboveground Facilities		0.01	0.01
W-AA4	77.5	West Virginia	Braxton	PEM	Aboveground Facilities		0.01	0.01
W-I11B	78.9	West Virginia	Braxton	PEM	Pipeline Facilities		0.01	0.01
W-KK3	82.4	West Virginia	Webster	PEM	Pipeline Facilities	21.7	0.02	0.02
W-R2	82.4	West Virginia	Webster	PEM	Access Roads		0.06	0.00
W-R3	82.4	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-F45	82.6	West Virginia	Webster	PEM	Pipeline Facilities		<0.01	0.00
W-F46	82.6	West Virginia	Webster	PEM	Pipeline Facilities		<0.01	<0.01

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-R4	82.6	West Virginia	Webster	PEM	Access Roads		0.04	0.00
W-B42	86.5	West Virginia	Webster	PEM	Access Roads		0.02	0.02
W-H75	88.1	West Virginia	Webster	PEM	Pipeline Facilities	5.1	0.01	0.01
W-H79	88.5	West Virginia	Webster	PEM	Pipeline Facilities	8.9	0.01	0.01
W-H81	88.7	West Virginia	Webster	PEM	Pipeline Facilities		0.03	0.01
W-H82	88.8	West Virginia	Webster	PEM	Pipeline Facilities		0.01	0.01
W-H86	89.3	West Virginia	Webster	PEM	Pipeline Facilities		<0.01	<0.01
W-H83	89.4	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-H85	89.7	West Virginia	Webster	PEM	Pipeline Facilities		0.01	<0.01
W-T4	90.2	West Virginia	Webster	PEM	Access Roads		0.07	0.00
W-T5	90.3	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-T2	90.7	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-T3	90.7	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-T7	90.7	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-T6	90.8	West Virginia	Webster	PEM	Access Roads		0.05	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-A20-PEM	91.6	West Virginia	Webster	PEM	Pipeline Facilities		0.01	0.00
W-A20-PFO	91.7	West Virginia	Webster	PFO	Pipeline Facilities	46.2	0.07	0.05
W-H68	91.9	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-H69	91.9	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-H70	91.9	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-H71	91.9	West Virginia	Webster	PEM	Access Roads		0.03	0.00
W-KK2	91.9	West Virginia	Webster	PEM	Access Roads		0.03	0.03
W-H72	92.6	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-H73	92.7	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-H74	92.7	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-KK1	92.7	West Virginia	Webster	PEM	Pipeline Facilities		0.01	0.00
W-H66	93.1	West Virginia	Webster	PFO	Access Roads		0.01	0.01
W-H66	93.1	West Virginia	Webster	PFO	Pipeline Facilities	186.5	0.25	0.18
W-H67	93.1	West Virginia	Webster	PFO	Access Roads		<0.01	<0.01
W-H67	93.1	West Virginia	Webster	PFO	Pipeline Facilities	66.5	0.09	0.07

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-H64-PEM1	93.2	West Virginia	Webster	PEM	Pipeline Facilities		0.03	0.01
W-H64-PEM2	93.2	West Virginia	Webster	PEM	Pipeline Facilities		0.03	0.03
W-H64-PSS	93.2	West Virginia	Webster	PSS	Pipeline Facilities	21.5	0.04	0.03
W-H56	93.4	West Virginia	Webster	PEM	Pipeline Facilities		0.02	0.01
W-H58	95.1	West Virginia	Webster	PEM	Pipeline Facilities		0.03	0.01
W-H59-PEM	95.3	West Virginia	Webster	PEM	Pipeline Facilities		0.01	0.00
W-H60	95.5	West Virginia	Webster	PEM	Pipeline Facilities	64.8	0.09	0.07
W-H61	95.6	West Virginia	Webster	PEM	Pipeline Facilities	45.5	0.01	0.01
W-H62	95.6	West Virginia	Webster	PEM	Pipeline Facilities		0.03	<0.01
W-B39	96.6	West Virginia	Webster	PEM	Pipeline Facilities	44.4	0.09	0.06
W-B31	97.7	West Virginia	Webster	PEM	Pipeline Facilities	14.1	0.03	0.02
W-B38	97.7	West Virginia	Webster	PEM	Access Roads		0.05	0.00
W-B35	97.8	West Virginia	Webster	PSS	Pipeline Facilities	5.8	0.01	0.01
W-A18	98.9	West Virginia	Webster	PEM	Access Roads		0.20	0.00
W-E25	101.8	West Virginia	Webster	PEM	Access Roads		0.05	0.05

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-E27	101.8	West Virginia	Webster	PEM	Access Roads		0.05	0.05
W-E28	101.8	West Virginia	Webster	PSS	Access Roads		0.02	0.02
W-F18	103.2	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-F19	103.2	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-F20	103.3	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-F21	103.3	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-F22	103.3	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-F23	103.3	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-F25	103.3	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-F24	103.4	West Virginia	Webster	PEM	Access Roads		<0.01	0.00
W-F26	103.7	West Virginia	Webster	PEM	Pipeline Facilities		<0.01	<0.01
W-F28	104.1	West Virginia	Webster	PEM	Pipeline Facilities		<0.01	<0.01
W-F29	104.1	West Virginia	Webster	PEM	Pipeline Facilities		0.01	<0.01
W-F40	104.2	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-F36	104.5	West Virginia	Webster	PEM	Access Roads		0.01	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-F37	104.5	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-F38	104.5	West Virginia	Webster	PSS	Access Roads		0.01	0.00
W-F32	104.6	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-F33	104.6	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-F31	104.7	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-F41	104.7	West Virginia	Webster	PEM	Access Roads		0.01	0.00
W-F42	104.7	West Virginia	Webster	PEM	Access Roads		0.02	0.00
W-B30	106.1	West Virginia	Webster	PEM	Pipeline Facilities	18.2	0.05	0.03
W-B28	106.8	West Virginia	Webster	PEM	Pipeline Facilities	55.7	0.10	0.06
W-E21	109.2	West Virginia	Webster	PEM	Pipeline Facilities	21.7	0.04	0.03
W-E18-PEM	109.5	West Virginia	Webster	PEM	Pipeline Facilities		0.02	0.01
W-E18-PSS	109.5	West Virginia	Webster	PSS	Pipeline Facilities	43.6	0.05	0.04
W-E16	109.7	West Virginia	Nicholas	PEM	Pipeline Facilities	12.6	0.01	0.01
W-F13	110.9	West Virginia	Nicholas	PEM	Pipeline Facilities		0.04	0.02
W-F12	111	West Virginia	Nicholas	PEM	Pipeline Facilities	56.6	0.11	0.07

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-F15	111	West Virginia	Nicholas	PEM	Pipeline Facilities		0.00	0.00
W-F11	111.1	West Virginia	Nicholas	PEM	Pipeline Facilities	90.6	0.15	0.10
W-K20	111.1	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	<0.01
W-K23	111.1	West Virginia	Nicholas	PEM	Pipeline Facilities	32.3	0.05	0.04
TTWV-W-49	111.5	West Virginia	Nicholas	PEM	Access Roads		0.01	0.01
TTWV-W-66	111.5	West Virginia	Nicholas	PEM	Access Roads		0.02	0.02
TTWV-W-41	111.9	West Virginia	Nicholas	PFO	Pipeline Facilities		<0.01	0.00
TTWV-W-50	111.9	West Virginia	Nicholas	PEM	Access Roads		0.26	0.26
TTWV-W-50	111.9	West Virginia	Nicholas	PEM	Pipeline Facilities		0.05	0.00
W-C22	112.4	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	<0.01
W-E35	112.6	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-E36	112.6	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-E37	112.6	West Virginia	Nicholas	PEM	Access Roads		0.04	0.00
W-E32	112.7	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-E32	112.7	West Virginia	Nicholas	PEM	Pipeline Facilities		0.04	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-E33	112.7	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-E34	112.7	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-C20	112.8	West Virginia	Nicholas	PEM	Access Roads		0.09	0.00
W-B27	113	West Virginia	Nicholas	PEM	Pipeline Facilities		0.05	0.04
W-FF6-PEM	113.2	West Virginia	Nicholas	PEM	Pipeline Facilities	104.6	0.18	0.12
W-FF6-PSS	113.2	West Virginia	Nicholas	PSS	Pipeline Facilities	55.2	0.10	0.06
W-FF2	113.6	West Virginia	Nicholas	PEM	Pipeline Facilities		0.03	0.00
W-FF3	113.9	West Virginia	Nicholas	PEM	Pipeline Facilities	20.4	0.05	0.03
W-FF4	114.2	West Virginia	Nicholas	PEM	Pipeline Facilities		<0.01	<0.01
W-A17	114.3	West Virginia	Nicholas	PEM	Pipeline Facilities	55.2	0.08	0.05
W-A15	114.6	West Virginia	Nicholas	PSS	Pipeline Facilities	67.3	0.09	0.06
W-A14	114.8	West Virginia	Nicholas	PFO	Pipeline Facilities	55.7	0.10	0.07
TTWV-W-42	115.5	West Virginia	Nicholas	PEM	Access Roads		0.02	0.02
TTWV-W-42	115.5	West Virginia	Nicholas	PEM	Pipeline Facilities		0.14	0.00
TTWV-W-67	115.5	West Virginia	Nicholas	PEM	Pipeline Facilities		0.06	0.00

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-H52	115.5	West Virginia	Nicholas	PEM	Pipeline Facilities	33.4	0.06	0.04
W-H50	115.8	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-N25	116.3	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	<0.01
W-N24	116.6	West Virginia	Nicholas	PEM	Pipeline Facilities		<0.01	0.00
W-N22	116.7	West Virginia	Nicholas	PEM	Pipeline Facilities		<0.01	0.00
W-I7	117	West Virginia	Nicholas	PFO	Pipeline Facilities	14.5	0.04	0.02
W-J8	119.4	West Virginia	Nicholas	PFO	Pipeline Facilities	55.7	0.05	0.04
W-R5	120.3	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-R7	120.4	West Virginia	Nicholas	PEM	Access Roads		0.00	0.00
W-R6	120.5	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-R6	120.5	West Virginia	Nicholas	PEM	Pipeline Facilities		<0.01	0.00
W-R8	120.5	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-X1	120.5	West Virginia	Nicholas	PEM	Access Roads		0.00	0.00
W-X2	120.5	West Virginia	Nicholas	PEM	Access Roads		0.02	0.00
W-X7	120.5	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-X3	120.6	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-X4	120.6	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-U3	121.7	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-J7	122	West Virginia	Nicholas	PFO	Pipeline Facilities	39.4	0.07	0.05
W-W3	122.6	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-W4	122.6	West Virginia	Nicholas	PEM	Access Roads		0.02	0.00
W-W4	122.6	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	0.00
W-W5	122.6	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-W7	122.6	West Virginia	Nicholas	PEM	Access Roads		0.02	0.00
W-N18	122.8	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	0.01
W-W1	122.8	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-L28	124.4	West Virginia	Nicholas	PEM	Pipeline Facilities		0.01	<0.01
W-L30	124.4	West Virginia	Nicholas	PEM	Access Roads		0.01	0.01
W-L31	124.4	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-L27	124.5	West Virginia	Nicholas	PEM	Pipeline Facilities		<0.01	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-I11A	126.5	West Virginia	Nicholas	PEM	Pipeline Facilities	23.5	0.06	0.04
W-U7	126.6	West Virginia	Nicholas	PEM	Pipeline Facilities		0.07	0.00
W-I5	126.8	West Virginia	Nicholas	PEM	Pipeline Facilities	14.1	0.01	0.01
W-VV2	128.1	West Virginia	Nicholas	PEM	Pipeline Facilities	19.9	0.02	0.02
W-N16	128.5	West Virginia	Nicholas	PEM	Pipeline Facilities	37.0	0.03	0.03
W-H46	130.1	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-H48	130.1	West Virginia	Nicholas	PEM	Access Roads		0.01	0.00
W-H49	130.1	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-H38	130.9	West Virginia	Nicholas	PEM	Access Roads		<0.01	0.00
W-H41	130.9	West Virginia	Nicholas	PEM	Pipeline Facilities		0.02	0.01
W-H34	131.2	West Virginia	Nicholas	PEM	Pipeline Facilities	36.2	0.06	0.04
W-H35	131.2	West Virginia	Nicholas	PEM	Pipeline Facilities	27.8	0.02	0.02
W-H31	131.8	West Virginia	Nicholas	PEM	Pipeline Facilities	24.3	0.01	0.01
W-V4	132	West Virginia	Nicholas	PSS	Pipeline Facilities		<0.01	0.00
W-M15	135.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	<0.01

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-M16	135.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	<0.01
W-M17	135.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	<0.01
W-M18	136.4	West Virginia	Greenbrier	PEM	Pipeline Facilities	35.0	0.05	0.04
W-M20	136.5	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	<0.01
W-M22	136.5	West Virginia	Greenbrier	PSS	Pipeline Facilities		<0.01	<0.01
W-M23	136.5	West Virginia	Greenbrier	PEM	Pipeline Facilities	53.6	0.06	0.05
W-J6	137.4	West Virginia	Greenbrier	PFO	Pipeline Facilities	27.7	0.07	0.05
W-J9	138.9	West Virginia	Greenbrier	PEM	Access Roads		0.03	0.00
W-J5	139.7	West Virginia	Greenbrier	PSS	Pipeline Facilities		0.01	<0.01
W-M4	142.8	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-M5	142.8	West Virginia	Greenbrier	PEM	Access Roads		0.01	0.00
W-V6	143	West Virginia	Greenbrier	PEM	Access Roads		0.13	0.00
W-M6	143.3	West Virginia	Greenbrier	PEM	Access Roads		0.02	0.00
TTWV-W-51	143.6	West Virginia	Greenbrier	PEM	Access Roads		0.02	0.02
TTWV-W-8	143.6	West Virginia	Greenbrier	PSS	Access Roads		<0.01	<0.01

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-52	143.7	West Virginia	Greenbrier	PFO	Pipeline Facilities		0.29	0.00
W-I3	143.7	West Virginia	Greenbrier	PEM	Pipeline Facilities	4.7	0.04	0.03
W-W14	143.7	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.05	0.00
W-W15	143.7	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-L16	143.8	West Virginia	Greenbrier	PEM	Pipeline Facilities	8.0	0.02	0.01
W-EE9	143.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
TTWV-W-10	144.7	West Virginia	Greenbrier	PEM	Pipeline Facilities	112.6	0.18	0.08
TTWV-W-11	144.7	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.06	0.00
TTWV-W-69	144.7	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-PP7	145.3	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.03	0.01
W-L20	145.8	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.02	0.00
W-L21	145.8	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.03	0.00
W-L12	146.7	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.01	<0.01
W-L13	146.7	West Virginia	Greenbrier	PEM	Pipeline Facilities	6.4	0.03	0.02
W-L19	146.7	West Virginia	Greenbrier	PEM	Access Roads		<0.01	<0.01

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Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-L19	146.7	West Virginia	Greenbrier	PEM	Pipeline Facilities	61.0	0.11	0.07
W-L11	147	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.02	0.01
W-L2	147.9	West Virginia	Greenbrier	PEM	Access Roads		0.01	0.00
W-L3	147.9	West Virginia	Greenbrier	PEM	Access Roads		<0.01	0.00
W-L3	147.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.01	0.00
W-L4	147.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.07	0.02
W-L8	147.9	West Virginia	Greenbrier	PEM	Access Roads		<0.01	0.00
W-L2	148	West Virginia	Greenbrier	PEM	Pipeline Facilities	31.5	0.04	0.03
W-L5	148	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-L6	148.2	West Virginia	Greenbrier	PEM	Access Roads		0.04	0.04
W-L7	148.2	West Virginia	Greenbrier	PEM	Access Roads		<0.01	<0.01
W-W10	150.2	West Virginia	Greenbrier	PEM	Access Roads		0.05	0.05
W-W11	150.2	West Virginia	Greenbrier	PEM	Access Roads		0.01	0.01
W-W9	150.2	West Virginia	Greenbrier	PEM	Access Roads		0.01	0.01
W-W9	150.2	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.01	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
W-FF1	150.5	West Virginia	Greenbrier	PEM	Pipeline Facilities	30.6	0.03	0.03
W-W13	150.6	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-U8	152.6	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	0.00
W-EE6	154.2	West Virginia	Fayette	PEM	Access Roads		<0.01	<0.01
W-HH01	154.5	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.86	0.00
W-K5	154.5	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.08	0.00
W-K7	154.5	West Virginia	Greenbrier	PEM	Pipeline Facilities	152.2	0.29	0.19
W-K9	154.6	West Virginia	Greenbrier	PEM	Pipeline Facilities	474.8	0.78	0.53
W-K10	154.9	West Virginia	Greenbrier	PEM	Pipeline Facilities		0.01	<0.01
W-K12	155	West Virginia	Greenbrier	PEM	Pipeline Facilities		<0.01	<0.01
TTWV-W-13	155.4	West Virginia	Greenbrier	PEM	Access Roads		0.02	0.00
TTWV-W-14	155.4	West Virginia	Greenbrier	PEM	Pipeline Facilities	125.2	0.29	0.14
TTWV-W-70	155.4	West Virginia	Greenbrier	PEM	Pipeline Facilities	92.0	0.22	0.10
TTWV-W-15	155.5	West Virginia	Greenbrier	PFO	Pipeline Facilities	63.5	0.11	0.07
TTWV-W-17	155.5	West Virginia	Greenbrier	PEM	Access Roads		0.07	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-40	155.6	West Virginia	Greenbrier	PFO	Access Roads		0.10	0.00
TTWV-W-75	156.6	West Virginia	Greenbrier	PEM	Access Roads		<0.01	<0.01
W-EE4	158.5	West Virginia	Summers	PEM	Pipeline Facilities	20.2	0.05	0.04
W-M2	159	West Virginia	Summers	PEM	Pipeline Facilities	22.5	0.04	0.02
W-I10	161.4	West Virginia	Summers	PEM	Access Roads		0.07	0.07
TTWV-W-54	162.7	West Virginia	Summers	PFO	Access Roads		1.03	0.00
TTWV-W-55	162.7	West Virginia	Summers	PFO	Access Roads		0.98	0.00
TTWV-W-71	162.7	West Virginia	Summers	PEM	Access Roads		0.53	0.00
TTWV-W-56 PEM	164.0	West Virginia	Summers	PEM	Access Roads		0.23	0.00
TTWV-W-56 PFO	164.0	West Virginia	Summers	PFO	Access Roads		0.07	0.00
TTWV-W-22	167.3	West Virginia	Summers	PEM	Pipeline Facilities		0.02	<0.01
W-N4	169.4	West Virginia	Summers	PFO	Pipeline Facilities	71.7	0.10	0.07
W-N3	169.6	West Virginia	Summers	PEM	Pipeline Facilities	72.3	0.12	0.07
TTWV-W-23	170	West Virginia	Summers	PFO	Pipeline Facilities	79.0	0.34	0.09
TTWV-W-76	170.5	West Virginia	Summers	PFO	Access Roads		0.26	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-76	170.5	West Virginia	Summers	PFO	Pipeline Facilities	304.0	1.41	0.33
W-MM20	170.5	West Virginia	Summers	PFO	Access Roads		0.02	0.00
W-MM20	170.5	West Virginia	Summers	PFO	Pipeline Facilities		0.02	0.00
TTWV-W-72	171.6	West Virginia	Summers	PEM	Access Roads		<0.01	0.00
W-K2-PEM	171.7	West Virginia	Summers	PEM	Pipeline Facilities	11.9	0.01	0.01
W-G7	173.3	West Virginia	Summers	PEM	Pipeline Facilities	14.8	0.02	0.02
TTWV-W-60	175.2	West Virginia	Monroe	PEM	Access Roads		0.10	0.00
TTWV-W-59	175.3	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-61	175.3	West Virginia	Monroe	PEM	Access Roads		0.03	0.00
TTWV-W-62	178.2	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-25	178.3	West Virginia	Monroe	PEM	Pipeline Facilities	294.5	0.70	0.34
TTWV-W-26	179.4	West Virginia	Monroe	PSS	Pipeline Facilities		0.26	0.03
W-A13	181.5	West Virginia	Monroe	PEM	Access Roads		0.04	0.00
W-A13	181.5	West Virginia	Monroe	PEM	Pipeline Facilities	150.6	0.29	0.18
TTWV-W-27	182.2	West Virginia	Monroe	PEM	Access Roads		0.01	0.00

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTWV-W-24	182.5	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-28	182.5	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-30	182.5	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-73	182.5	West Virginia	Monroe	PEM	Access Roads		0.01	0.00
TTWV-W-74	182.5	West Virginia	Monroe	PEM	Access Roads		<0.01	0.00
TTWV-W-20	183.1	West Virginia	Monroe	PEM	Access Roads		0.16	0.16
TTWV-W-21	183.1	West Virginia	Monroe	PEM	Access Roads		0.20	0.20
TTWV-W-29	183.1	West Virginia	Monroe	PEM	Pipeline Facilities		0.03	0.00
TTWV-W-19	183.2	West Virginia	Monroe	PFO	Access Roads		0.03	0.03
TTWV-W-31	184.8	West Virginia	Monroe	PEM	Access Roads		0.09	0.00
TTWV-W-31	184.8	West Virginia	Monroe	PEM	Pipeline Facilities	167.8	0.79	0.19
TTWV-W-32	186.8	West Virginia	Monroe	PFO	Access Roads		0.38	0.00
TTWV-W-32	186.8	West Virginia	Monroe	PFO	Pipeline Facilities	90.1	0.16	0.10
TTWV-W-33	187.3	West Virginia	Monroe	PEM	Pipeline Facilities		0.05	0.00
TTWV-W-34	187.5	West Virginia	Monroe	PEM	Access Roads		0.03	0.03

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TTWV-W-34	187.5	West Virginia	Monroe	PEM	Pipeline Facilities		0.05	0.02
TTWV-W-35	187.9	West Virginia	Monroe	PFO	Pipeline Facilities	148.7	0.32	0.17
TTWV-W-9	187.9	West Virginia	Monroe	PFO	Access Roads		0.03	0.03
W-G6	189.1	West Virginia	Monroe	PEM	Pipeline Facilities	96.5	0.12	0.09
TTWV-W-36	190.2	West Virginia	Monroe	PSS	Access Roads		0.01	0.01
TTWV-W-37	190.2	West Virginia	Monroe	PEM	Access Roads		<0.01	<0.01
TTWV-W-7	190.4	West Virginia	Monroe	PEM	Pipeline Facilities	88.0	0.24	0.10
W-EE3	190.8	West Virginia	Monroe	PEM	Access Roads		<0.01	0.00
W-E12	191.1	West Virginia	Monroe	PEM	Pipeline Facilities		<0.01	<0.01
W-C13	193.6	West Virginia	Monroe	PEM	Pipeline Facilities	135.6	0.22	0.15
W-C14	193.6	West Virginia	Monroe	PEM	Pipeline Facilities		0.01	<0.01
W-C17	193.7	West Virginia	Monroe	PEM	Access Roads		0.03	0.00
TTVA-W-UU11	198.8	Virginia	Giles	PEM	Access Roads		0.02	0.02
TTVA-W-HH15	198.9	Virginia	Giles	PEM	Access Roads		<0.01	<0.01
TTVA-W-Z11	202.1	Virginia	Giles	PEM	Pipeline Facilities		0.03	0.02

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-Z3	203.3	Virginia	Giles	PFO	Pipeline Facilities		0.03	0.02
TTVA-W-Z5	203.5	Virginia	Giles	PEM	Pipeline Facilities		<0.01	0.00
TTVA-W- RR1A	211.7	Virginia	Giles	PEM	Access Roads		0.01	0.00
TTVA-W- MM10	212.4	Virginia	Giles	PEM	Access Roads		0.00	0.00
TTVA-W-OO6	215.2	Virginia	Giles	PEM	Pipeline Facilities		<0.01	0.00
TTVA-W-PP3	216.3	Virginia	Craig	PEM	Pipeline Facilities		<0.01	0.00
TTVA-W-PP4	216.5	Virginia	Craig	PEM	Pipeline Facilities		<0.01	<0.01
TTVA-W-HH16	218.6	Virginia	Montgomery	PEM	Pipeline Facilities		0.01	0.00
TTVA-W-NN2	224	Virginia	Montgomery	PFO	Access Roads		<0.01	0.00
TTVA-W-NN4	225.2	Virginia	Montgomery	PEM	Pipeline Facilities		0.07	<0.01
TTVA-W-NN5	225.2	Virginia	Montgomery	PEM	Pipeline Facilities		0.12	0.05
TTVA-W-NN6	225.6	Virginia	Montgomery	PEM	Pipeline Facilities		0.02	0.01
TTVA-W-NN7	225.8	Virginia	Montgomery	PEM	Access Roads		0.02	0.00
TTVA-W-PP8	226.3	Virginia	Montgomery	PEM	Pipeline Facilities		0.01	0.00
TTVA-W-C11	227.9	Virginia	Montgomery	PSS	Pipeline Facilities		0.10	0.03

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-C12	227.9	Virginia	Montgomery	PFO	Pipeline Facilities		0.24	0.18
TTVA-W-001	228.2	Virginia	Montgomery	PEM	Access Roads		0.03	0.00
TTVA-W-C6	228.2	Virginia	Montgomery	PEM	Pipeline Facilities		0.03	0.02
TTVA-W-002	228.3	Virginia	Montgomery	PEM	Pipeline Facilities		0.01	0.01
TTVA-W-003	228.3	Virginia	Montgomery	PEM	Pipeline Facilities		0.02	0.01
TTVA-W-C5	228.3	Virginia	Montgomery	PEM	Pipeline Facilities		0.02	0.02
TTVA-W-NN8	233.8	Virginia	Montgomery	PFO	Pipeline Facilities		0.03	0.02
TTVA-W-004	239.5	Virginia	Roanoke	PEM	Pipeline Facilities		0.14	<0.01
TTVA-W-005	239.6	Virginia	Roanoke	PEM	Pipeline Facilities		0.05	<0.01
TTVA-W-006	240.4	Virginia	Roanoke	PSS	Pipeline Facilities		0.02	<0.01
TTVA-W-007	241.6	Virginia	Roanoke	PEM	Pipeline Facilities	3.5	<0.01	<0.01
TTVA-W-008	241.6	Virginia	Roanoke	PEM	Pipeline Facilities	10.4	0.05	0.01
TTVA-W-009	241.6	Virginia	Roanoke	PEM	Pipeline Facilities		0.01	0.00
TTVA-W-010	241.7	Virginia	Roanoke	PSS	Pipeline Facilities	8.6	0.02	0.01
TTVA-W-011	241.7	Virginia	Roanoke	PSS	Pipeline Facilities	5.2	0.01	0.01

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Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-014	242.9	Virginia	Roanoke	PSS	Pipeline Facilities	258.1	0.70	0.26
TTVA-W-015	243	Virginia	Roanoke	PSS	Pipeline Facilities		0.05	0.03
TTVA-W-Y2	243.3	Virginia	Roanoke	PEM	Pipeline Facilities		0.04	0.02
TTVA-W-021	243.7	Virginia	Roanoke	PSS	Pipeline Facilities		0.01	0.00
TTVA-W-020	243.8	Virginia	Roanoke	PEM	Access Roads		0.01	0.00
TTVA-W-022	243.8	Virginia	Roanoke	PEM	Pipeline Facilities		0.09	0.00
TTVA-W-B25- PEM	243.8	Virginia	Roanoke	PEM	Pipeline Facilities		0.16	0.12
TTVA-W-B24- PEM	243.9	Virginia	Roanoke	PEM	Pipeline Facilities		0.09	0.06
TTVA-W-B25- PSS2	243.9	Virginia	Roanoke	PSS	Pipeline Facilities		0.38	0.25
TTVA-W-B24- PSS	244	Virginia	Roanoke	PSS	Pipeline Facilities		0.16	0.10
TTVA-W-G1	244.5	Virginia	Franklin	PEM	Pipeline Facilities		0.06	0.04
TTVA-W-RR4	245.1	Virginia	Franklin	PEM	Access Roads		0.04	0.04
TTVA-W-D7	246.8	Virginia	Franklin	PEM	Pipeline Facilities		0.02	<0.01
TTVA-W-D5	247.2	Virginia	Franklin	PFO	Pipeline Facilities		0.02	0.01
TTVA-W-II8	253.8	Virginia	Franklin	PEM	Pipeline Facilities		0.02	0.02

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-025	256.2	Virginia	Franklin	PEM	Pipeline Facilities	265.9	0.48	0.33
TTVA-W-E10	256.7	Virginia	Franklin	PEM	Pipeline Facilities		0.01	0.00
TTVA-W-E7	256.7	Virginia	Franklin	PEM	Pipeline Facilities		0.02	0.02
TTVA-W-E8	256.9	Virginia	Franklin	PEM	Pipeline Facilities		0.07	0.06
TTVA-W- MM18	257.9	Virginia	Franklin	PEM	Pipeline Facilities		0.01	0.00
TTVA-W- MM19	258	Virginia	Franklin	PEM	Pipeline Facilities		<0.01	0.00
TTVA-W-026	258.1	Virginia	Franklin	PEM	Pipeline Facilities		0.03	0.00
TTVA-W-027	260.1	Virginia	Franklin	PFO	Pipeline Facilities	26.2	0.04	0.03
TTVA-W-028	260.6	Virginia	Franklin	PFO	Pipeline Facilities	49.9	0.03	0.03
TTVA-W-II3	260.8	Virginia	Franklin	PEM	Pipeline Facilities		0.04	0.00
TTVA-W-II2	260.9	Virginia	Franklin	PFO	Pipeline Facilities		0.24	0.05
TTVA-W-A12- PFO	269.6	Virginia	Franklin	PFO	Pipeline Facilities		<0.01	0.00
TTVA-W-DD1	269.6	Virginia	Franklin	PEM	Pipeline Facilities		0.05	0.03
TTVA-W-H17	274.6	Virginia	Franklin	PFO	Pipeline Facilities		0.15	0.01
TTVA-W-H16	275	Virginia	Franklin	PEM	Pipeline Facilities		0.03	0.02

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-H15	275.1	Virginia	Franklin	PSS	Pipeline Facilities		0.01	<0.01
TTVA-W-H14	275.2	Virginia	Franklin	PEM	Pipeline Facilities		0.01	<0.01
TTVA-W-H11	275.7	Virginia	Franklin	PEM	Pipeline Facilities		0.05	0.04
TTVA-W-A8	275.8	Virginia	Franklin	PEM	Pipeline Facilities		0.02	0.01
TTVA-W-029	277	Virginia	Franklin	PEM	Pipeline Facilities	6.9	0.10	0.01
TTVA-W-H9	277.1	Virginia	Franklin	PEM	Pipeline Facilities		0.01	0.01
TTVA-W-H6	278.3	Virginia	Franklin	PEM	Pipeline Facilities		0.01	<0.01
W-MM17	280.9	Virginia	Franklin	PEM	Pipeline Facilities	4.3	0.01	0.01
TTVA-W-D3	282	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.04	0.02
TTVA-W-B5	282.9	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.01	0.01
TTVA-W-B4- PSS	283.1	Virginia	Pittsylvania	PSS	Pipeline Facilities		<0.01	<0.01
TTVA-W-A4	286.4	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.01	<0.01
TTVA-W-C1	287.1	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.02	0.01
TTVA-W-H5	287.7	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.21	0.14
TTVA-W-B3	289.2	Virginia	Pittsylvania	PEM	Pipeline Facilities		<0.01	0.00

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-CC2- PFO	290.7	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.00	0.00
TTVA-W-CC2- PEM	290.8	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.01	<0.01
TTVA-W-MM5	291	Virginia	Pittsylvania	PSS	Pipeline Facilities		0.02	0.02
TTVA-W-MM9	292.4	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.02	0.01
TTVA-W-MM8- PEM	292.5	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.06	0.06
TTVA-W-MM8- PFO	292.5	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.08	0.02
TTVA-W-Q2	293.7	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.77	0.30
TTVA-W-Q1	293.8	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.01	0.01
TTVA-W-G2	297.3	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.13	0.08
TTVA-W-H26	298	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.02	0.01
TTVA-W-H1	299.2	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.01	0.01
TTVA-W-H2	299.3	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.79	0.57
TTVA-W-H3	299.3	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.05	0.03
TTVA-W-MM3	299.7	Virginia	Pittsylvania	PSS	Pipeline Facilities		0.03	0.02
TTVA-W-OO3- PEM	300.2	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.22	0.04

APPENDIX G-1

Wetlands Crossed by the Mountain Valley Project

Wetland ID a/	MP	State	County	Wetland Classification b/	Project Component c/	Length of Crossing (ft) d/	Construction Impacts (Acres) e/	Operational Impacts (Acres)
TTVA-W-OO3- PFO	300.2	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.03	0.00
TTVA-W-OO4	300.3	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.26	0.11
TTVA-W-H19	300.6	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.04	0.04
TTVA-W-H18- PEM	300.7	Virginia	Pittsylvania	PEM	Pipeline Facilities		0.46	0.24
TTVA-W-H18- PFO	300.7	Virginia	Pittsylvania	PFO	Pipeline Facilities		0.17	0.12
TTVA-W- MM14	300.9	Virginia	Pittsylvania	PEM	Pipeline Facilities		<0.01	0.00

a/ Desktop delineations were performed for areas not surveyed using aerial imagery and LiDAR data. These features are denoted by "TT" and the State abbreviation preceding the Wetland ID number.

b/ Cowardin wetland classification: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested

c/ Pipeline Facilities include the permanent right-of-way, temporary workspace, and additional temporary workspace.

d/ Length of crossing measured for linear features only. All crossings would be conducted using the open-cut method.

e/ Construction Impact acreage includes Operational Impact acreage.

APPENDIX G-2

Wetlands Crossed by the Projects

Equitrans Expansion Project

APPENDIX G-2

Wetlands Crossed by the Equitrans Expansion Project a/

Project Feature	Wetland ID b/	MP	State	County	Wetland Classification c/	Project Component	Length of Crossing (feet) d/	Construction Impacts (acres) e/	Operations Impacts (acres)	Crossing Method
H-318	W-BB12	1.4	Pennsylvania	Allegheny	PEM	Pipeline Facilities		<0.01	<0.01	Open-cut
H-318	W-BB6	1.8	Pennsylvania	Allegheny	PEM	Pipeline Facilities	34.3	0.07	0.07	Open-cut
H-318	W-BB7	2	Pennsylvania	Allegheny	PEM	Pipeline Facilities	318.9	0.55	0.37	Open-cut
H-318	W-BB8	2.3	Pennsylvania	Allegheny	PFO	Pipeline Facilities		0.03	0.03	Open-cut
H-318	W-BB10	2.4	Pennsylvania	Allegheny	PFO	Pipeline Facilities	17.8	<0.01	<0.01	Open-cut
H-318	W-BB9	2.4	Pennsylvania	Allegheny	PFO	Pipeline Facilities		<0.01	<0.01	Open-cut
H-318	W-BB11	2.7	Pennsylvania	Allegheny	PFO	Pipeline Facilities		0.03	0.03	Open-cut
Pratt Station	W-AA5	0.1	Pennsylvania	Greene	PEM	Aboveground Facilities		0.02	0	N/A
H-316	W-AA4	0.8	Pennsylvania	Greene	PEM	Pipeline Facilities	50.6	0.09	0.06	Open-cut
H-316	W-AA7	0.9	Pennsylvania	Greene	PEM	Pipeline Facilities	51.1	0.07	0.07	Open-cut
H-316	W-AA8	1.5	Pennsylvania	Greene	PEM	Pipeline Facilities		0.02	0	Open-cut
H-316	W-AA9	2	Pennsylvania	Greene	PEM	Pipeline Facilities		0.01	0	Open-cut

APPENDIX G-2 (continued)

Wetlands Crossed by the Equitrans Expansion Project a/

Project Feature	Wetland ID b/	MP	State	County	Wetland Classification c/	Project Component	Length of Crossing (feet) d/	Construction Impacts (acres) e/	Operations Impacts (acres)	Crossing Method
H-316	W-AA10	2.7	Pennsylvania	Greene	PEM	Pipeline Facilities	12.2	N/A	N/A	HDD f/
H-316	W-M3	2.9	Pennsylvania	Greene	PEM	Pipeline Facilities		<0.01	0	Open-cut
H-316	W-M4	2.9	Pennsylvania	Greene	PEM	Pipeline Facilities		0.39	0	Open-cut
H-316	W-M6	2.9	Pennsylvania	Greene	PEM	Pipeline Facilities		<0.01	0	Open-cut
H-316	W-M2	3.0	Pennsylvania	Greene	PEM	Access Roads		<0.01	0	N/A
H-318	W-BB5	0	Pennsylvania	Washington	PEM	Yard		<0.01	0	N/A
H-318	W-BB3	3.9	Pennsylvania	Washington	PEM	Pipeline Facilities	33.1	0.05	0.04	Open-cut
H-319	W-Z3A	0	West Virginia	Wetzel	PEM	Pipeline Facilities	11.7	0.04	0.01	Open-cut
H-319	W-Z3B	0	West Virginia	Wetzel	PEM	Yard		0.09	0	N/A
H-319	W-Z3B	0	West Virginia	Wetzel	PEM	Pipeline Facilities	27.3	0.03	0.03	Open-cut
Webster	W-Z2	0.04	West Virginia	Wetzel	PEM	Pipeline Facilities		0.02	0	Open-cut

N/A - Not applicable

a/ Data are from field surveys where access was granted as of October 15, 2015. All NWI wetlands were accounted for during the field survey

b/ Wetland IDs starting with "W" are field surveyed wetlands. All NWI wetlands are accounted for.

c/ Cowardin wetland classification: PEM - Palustrine Emergent; PFO - Palustrine Forested

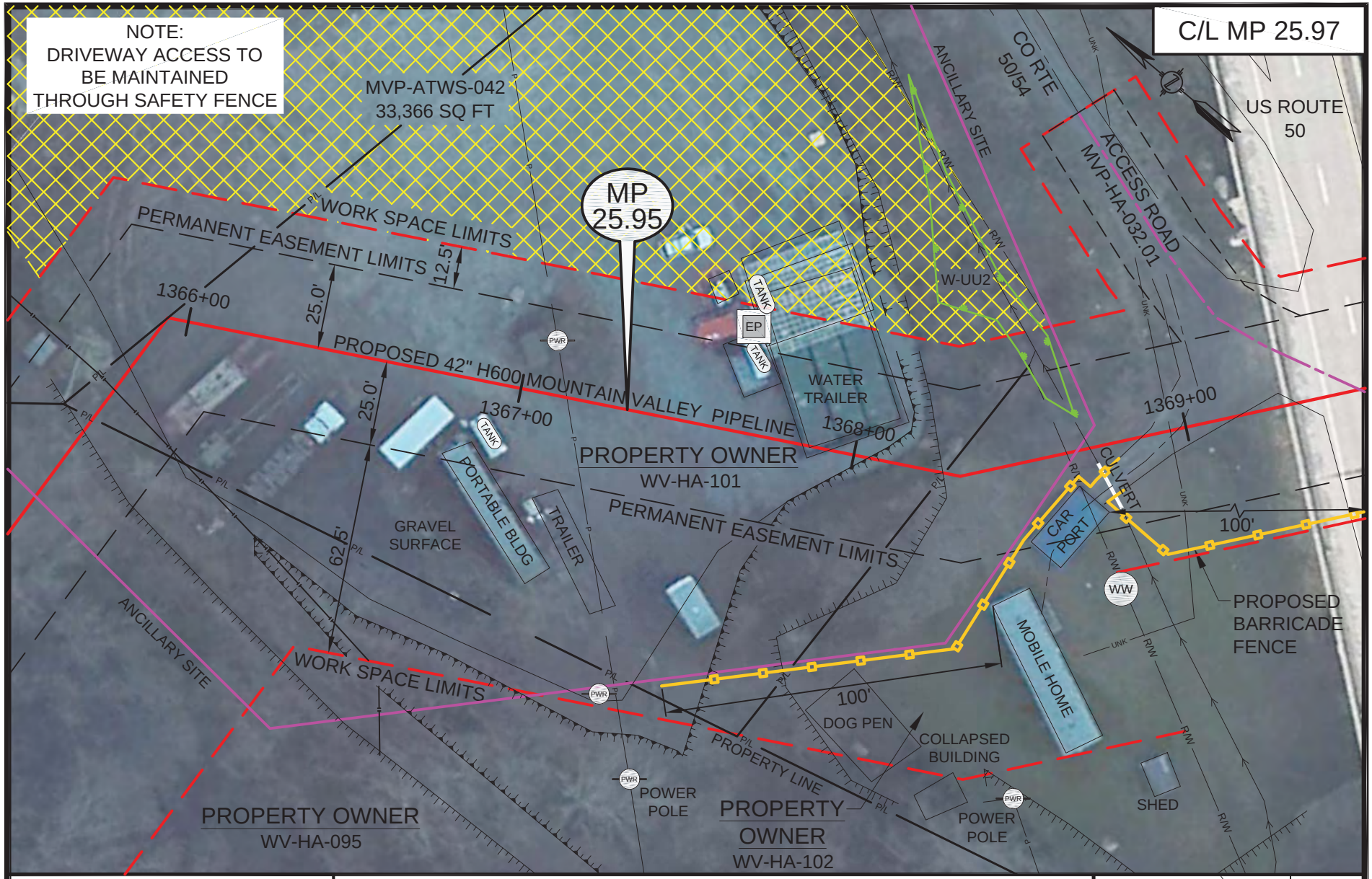
d/ Length of crossing measured for linear features only.

e/ Construction Impact acreage includes Operational Impact acreage.

f/ HDD crossing is included in South Fork Tenmile Creek HDD crossing.

APPENDIX H

Residential Construction Plans



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Appendix H

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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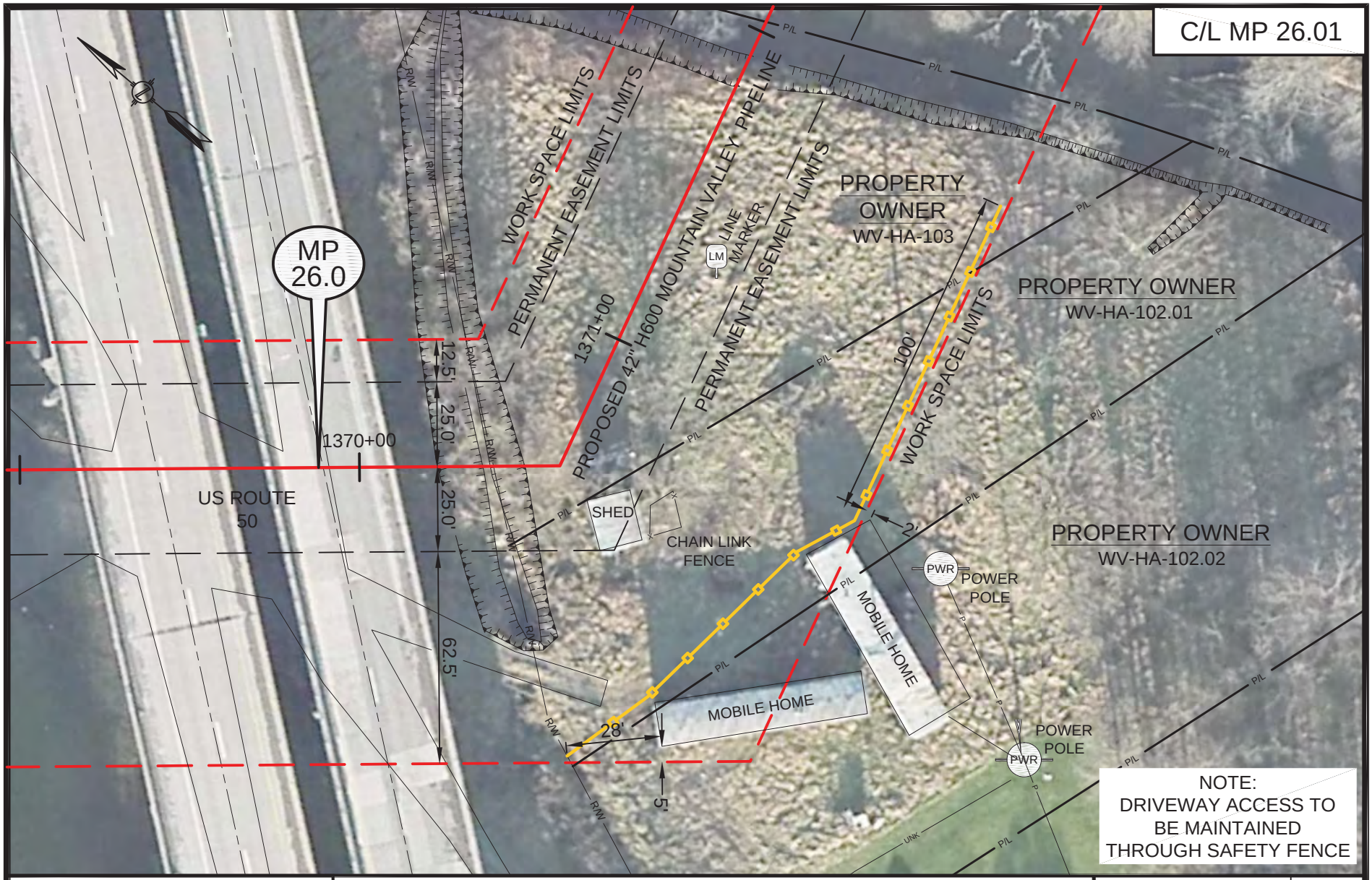

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
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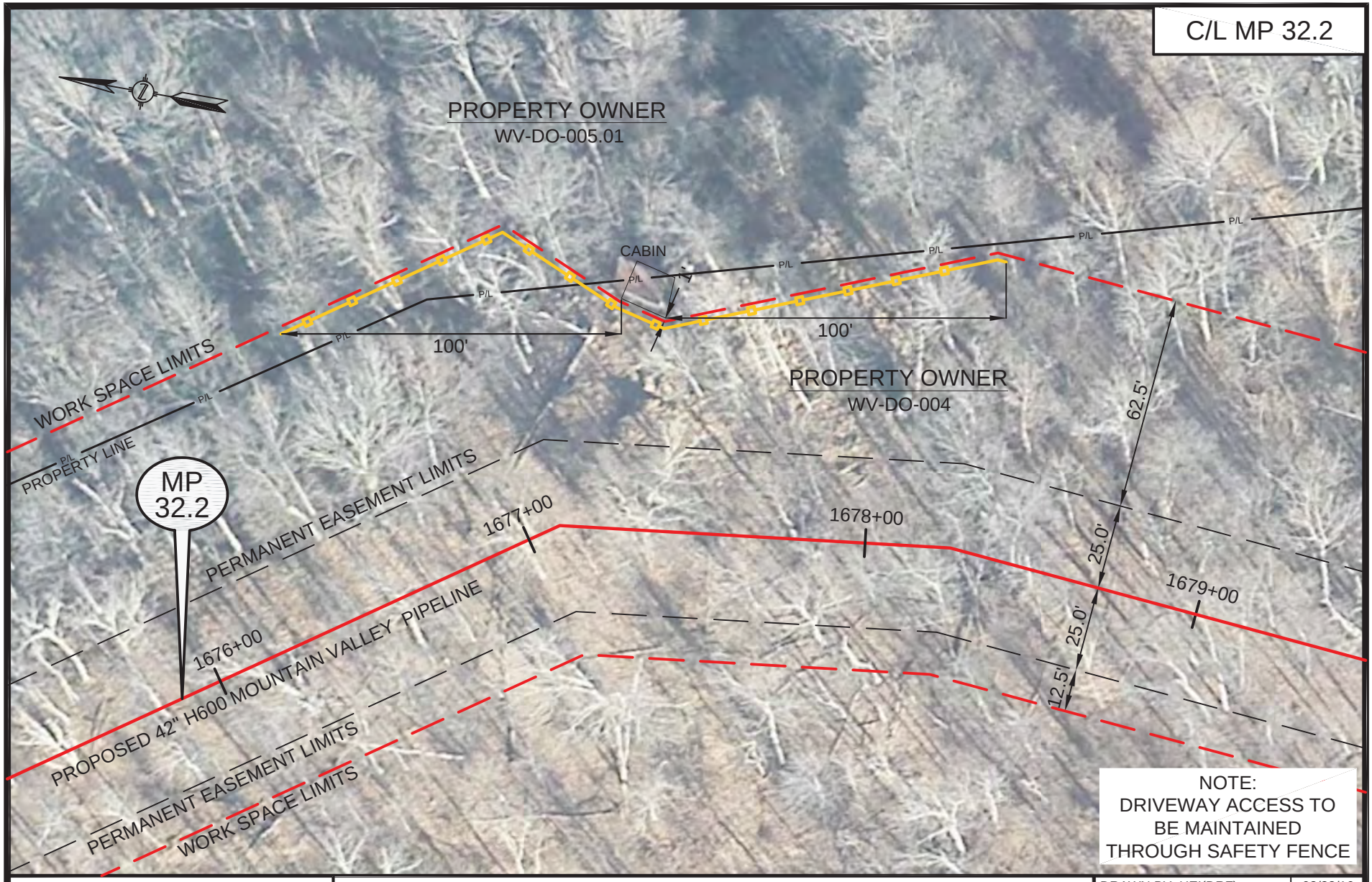

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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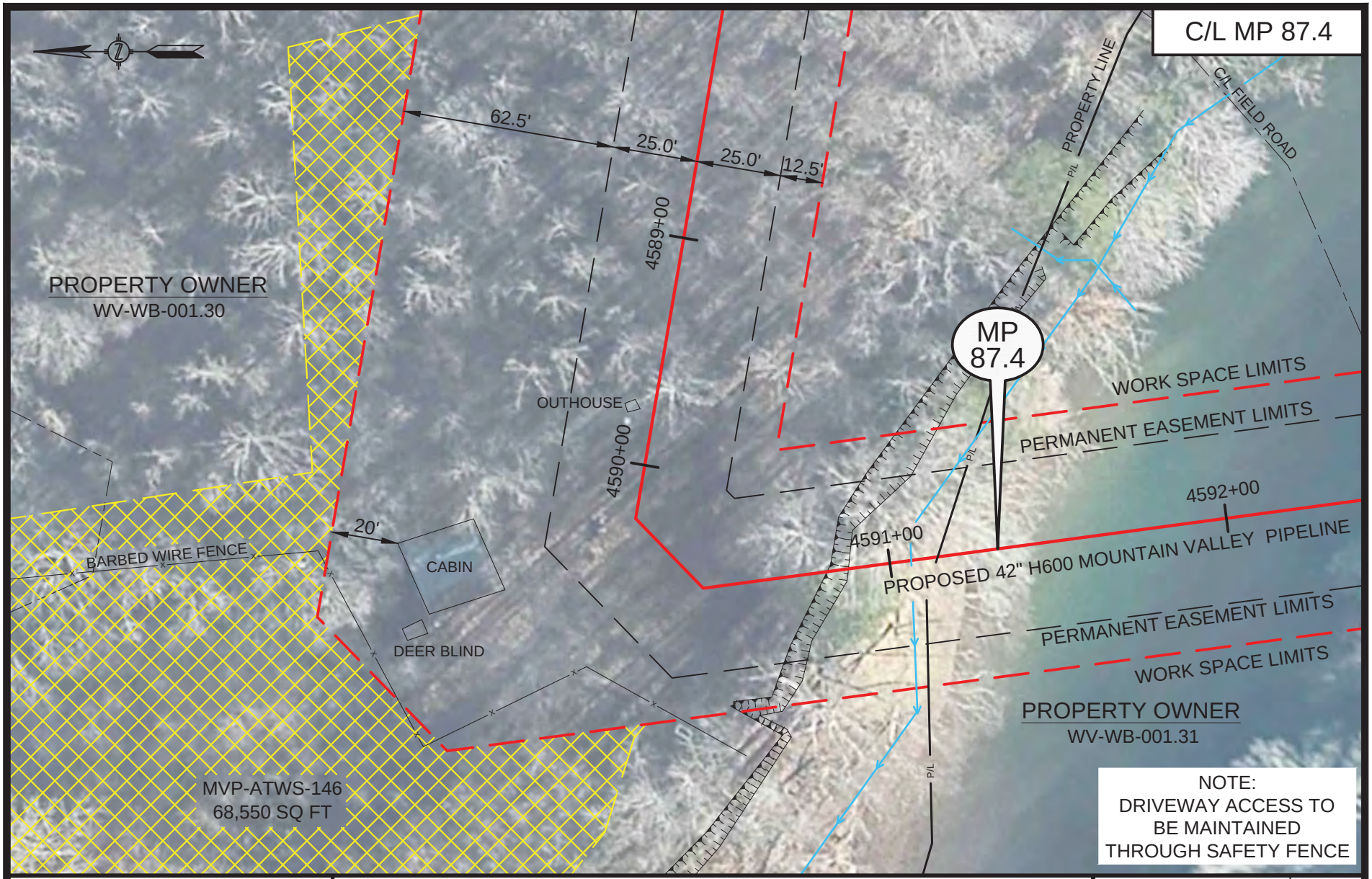

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Mountain Valley PIPELINE

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WEBSTER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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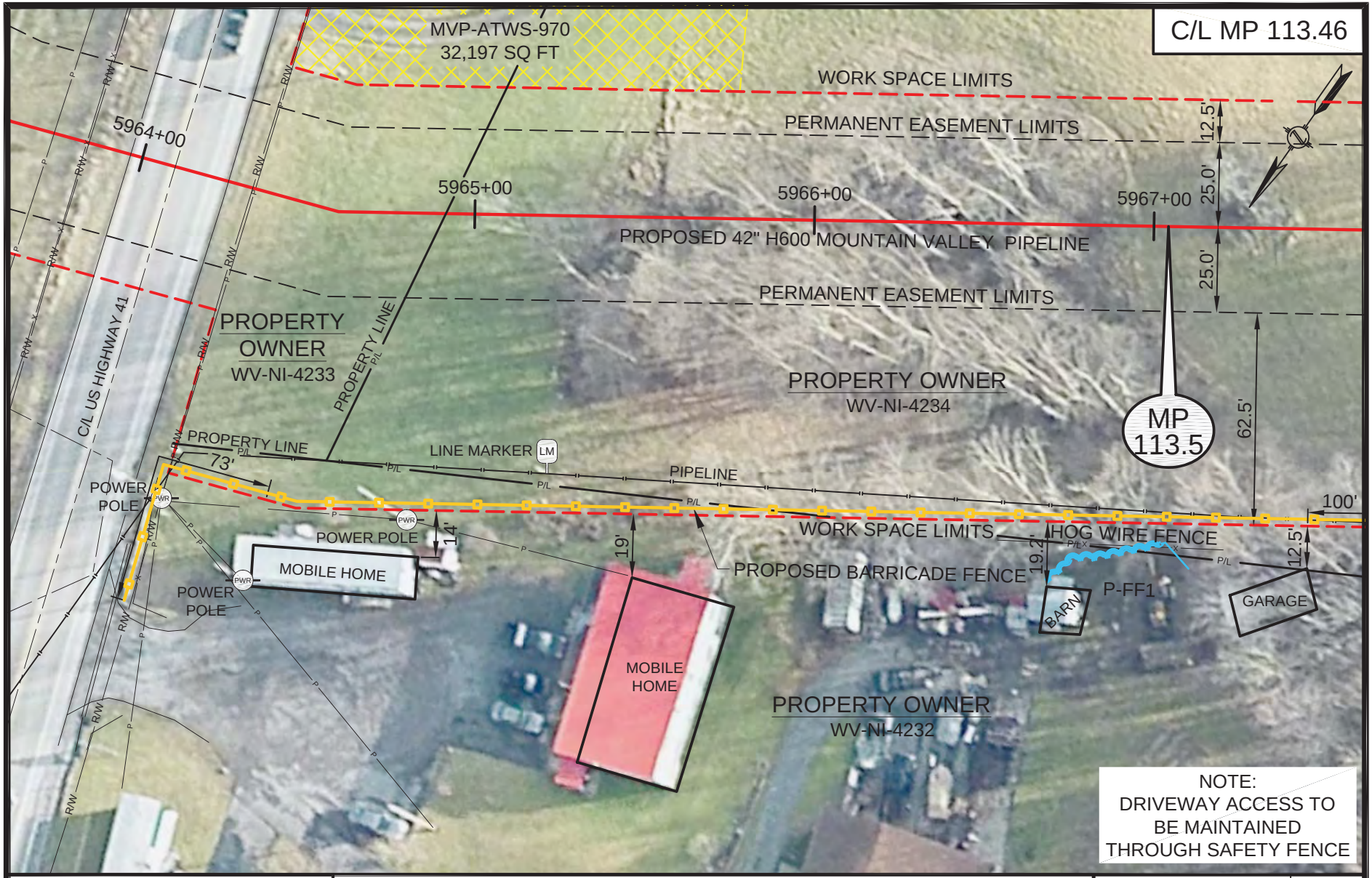

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
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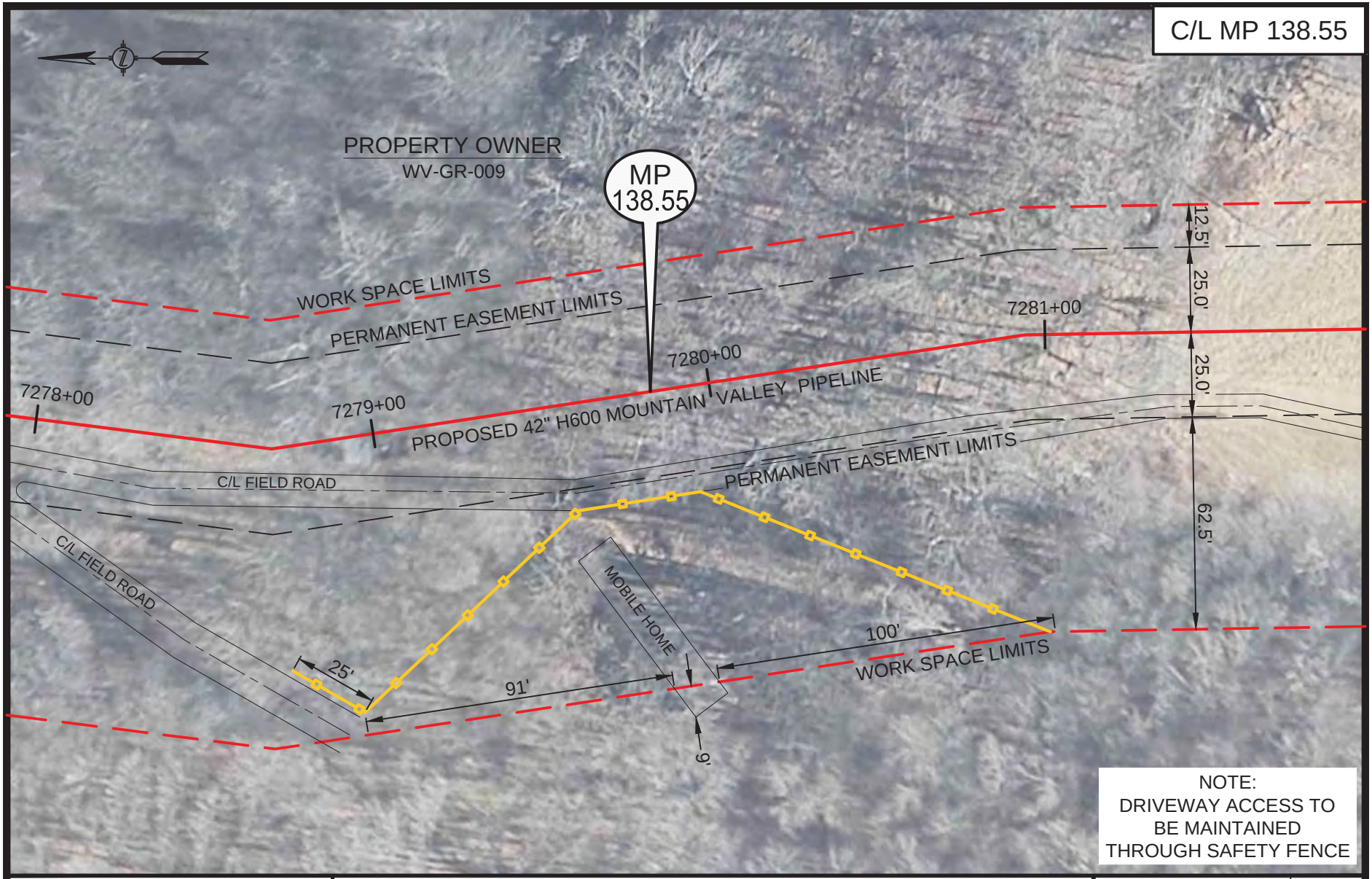

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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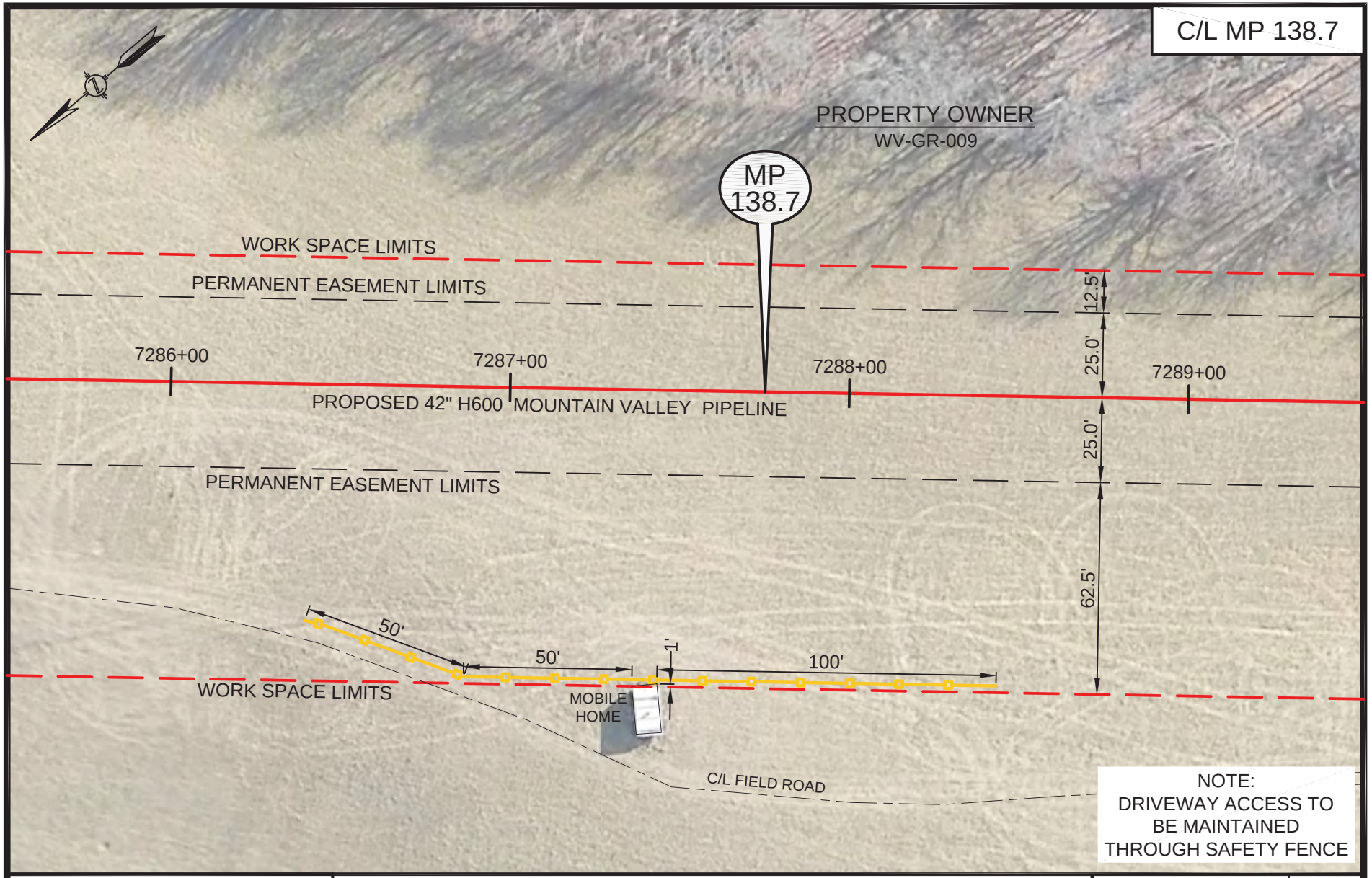

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENGINEERING CK: .	.
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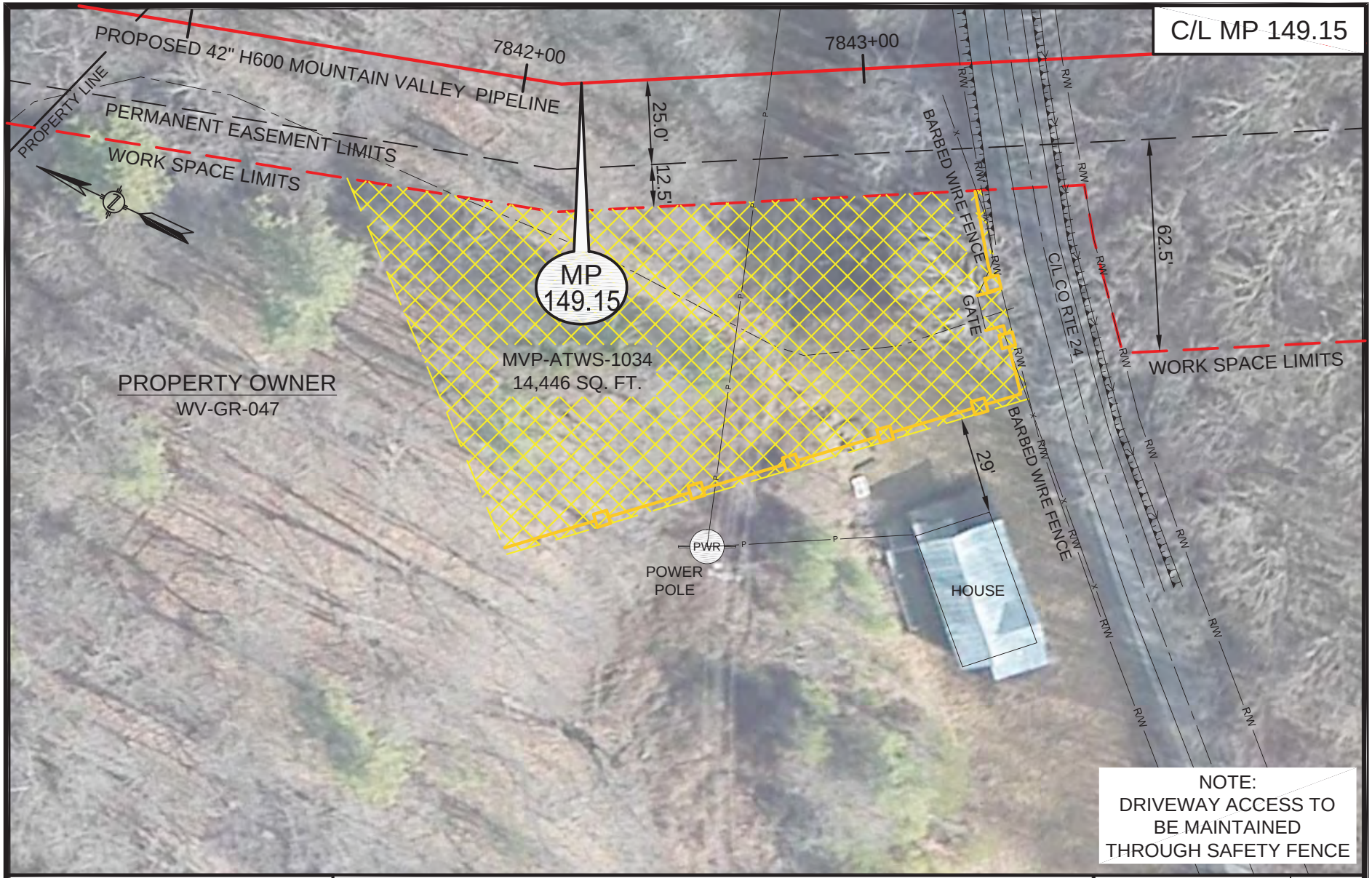

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CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

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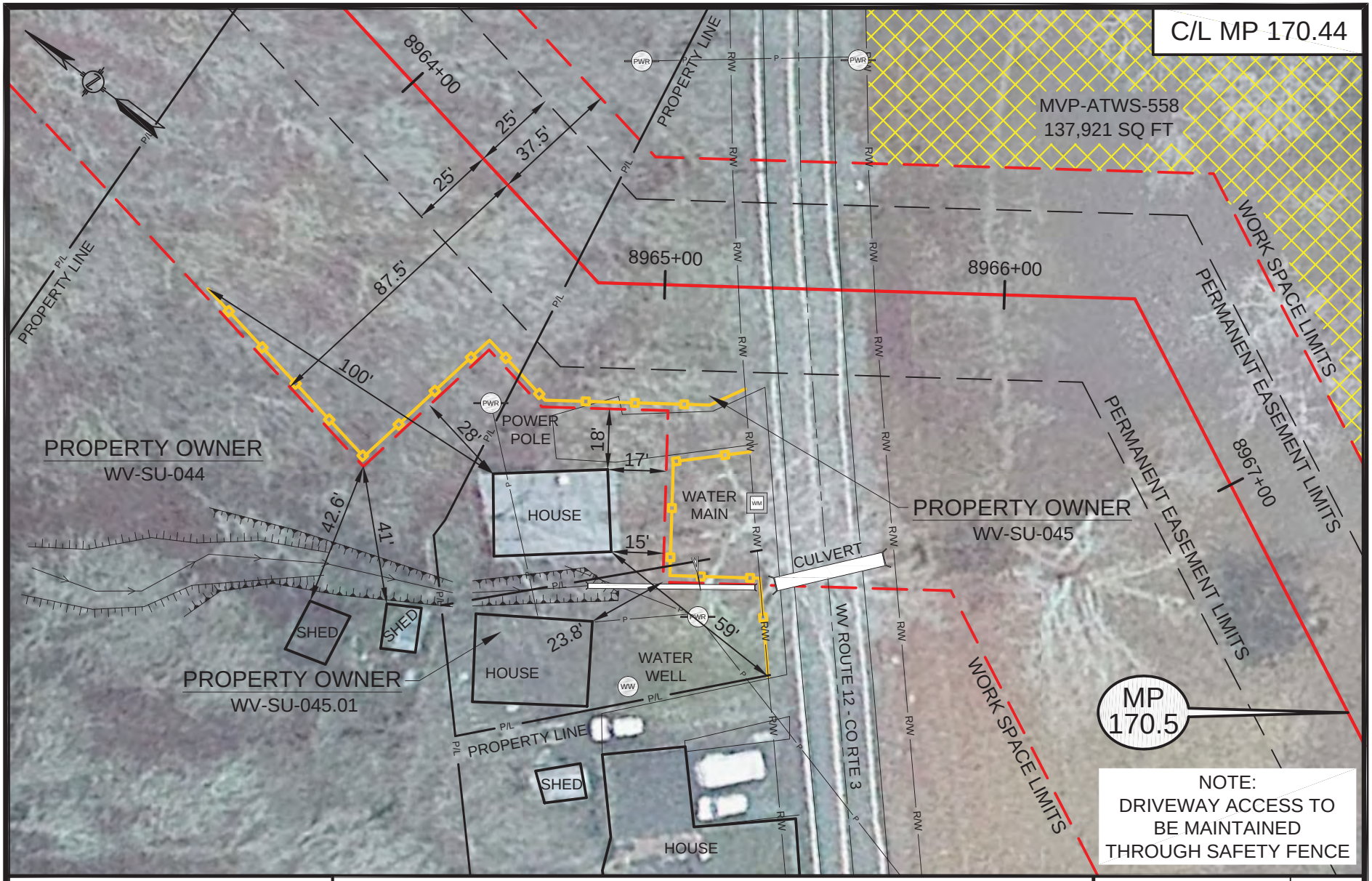

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

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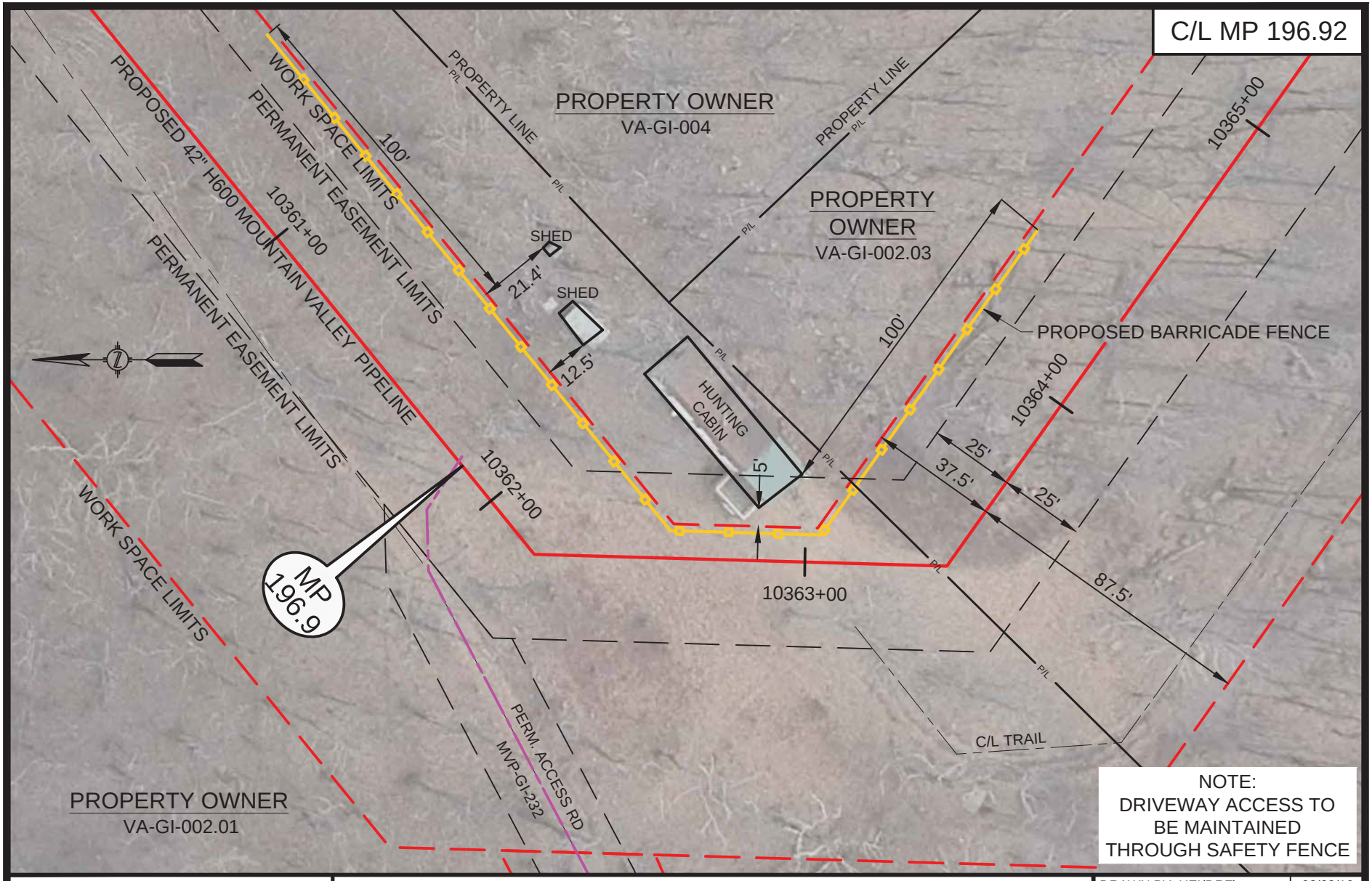

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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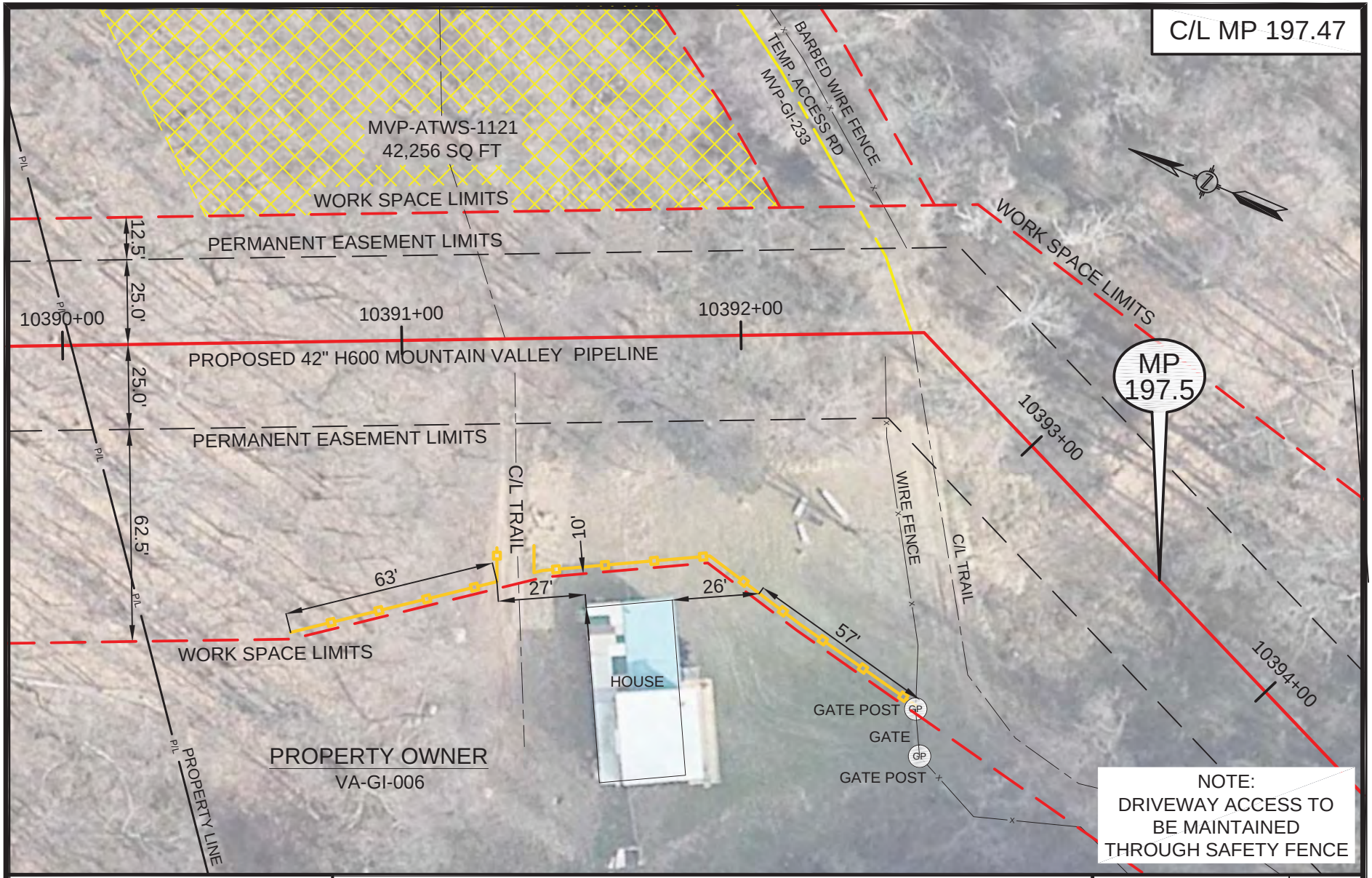

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-GIVA-H600-3	
DRAWING NO.: **RSS-H600-016**	
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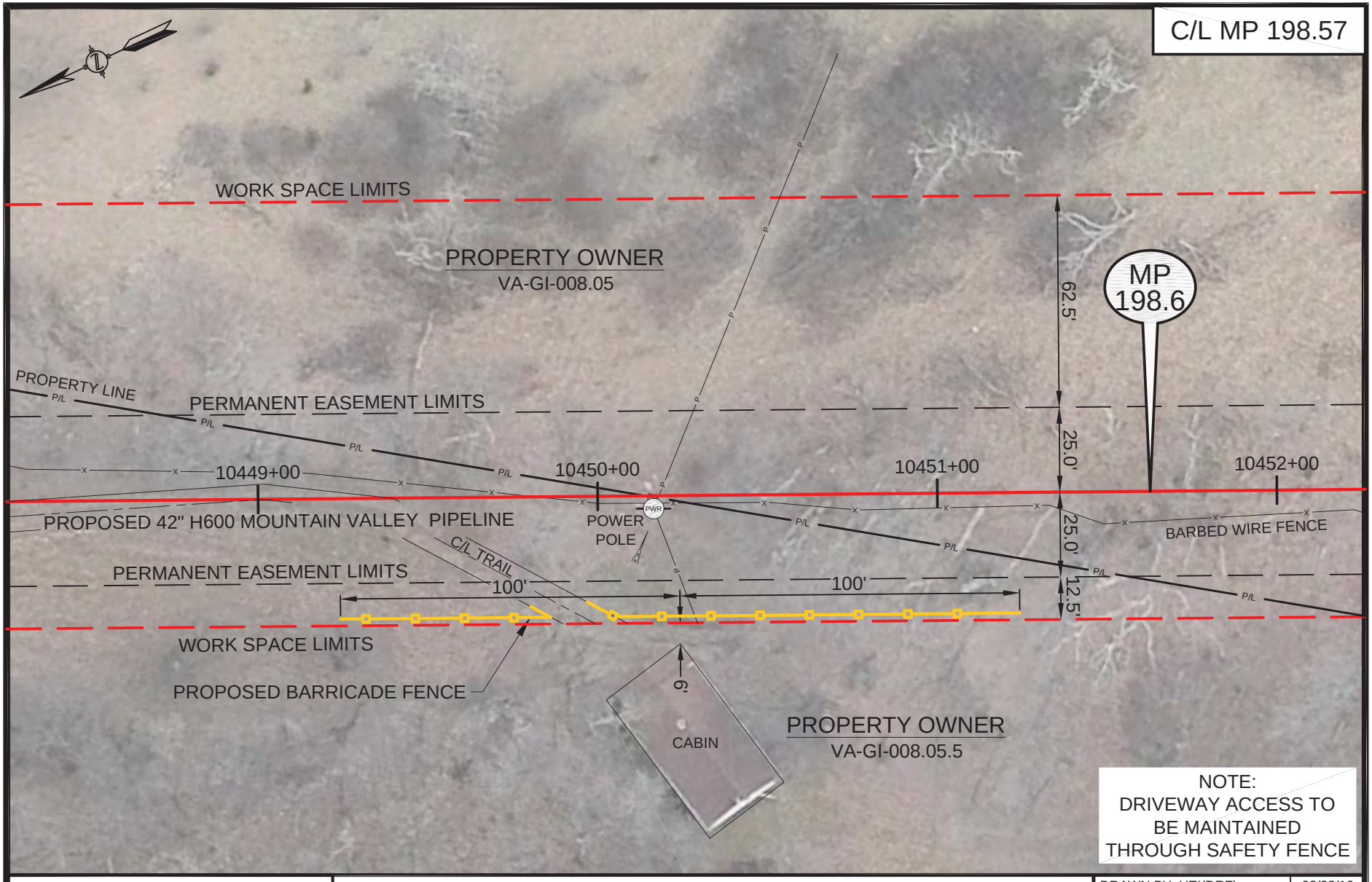

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-GIVA-H600-4	
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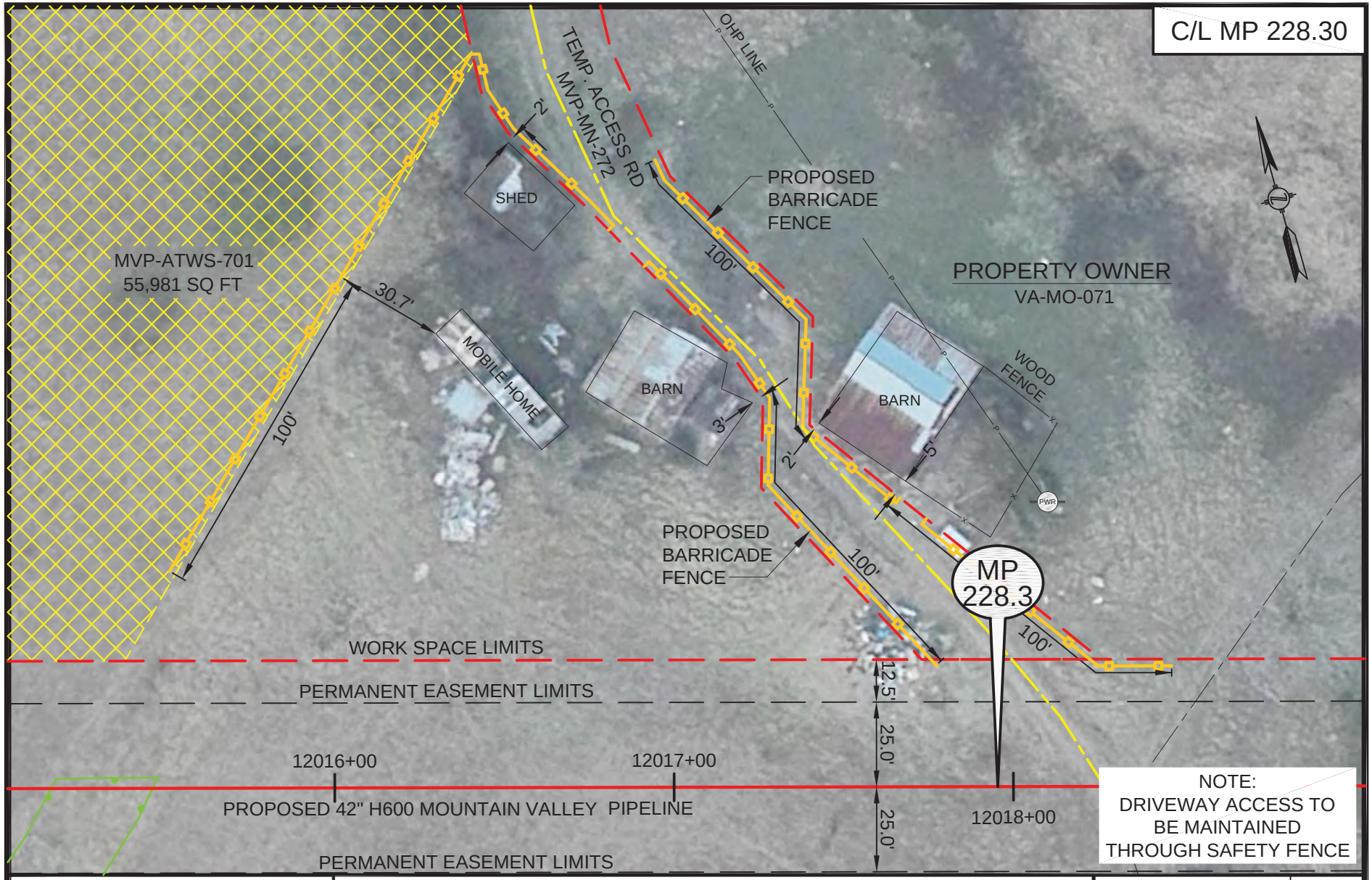

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOVA-H600-14	
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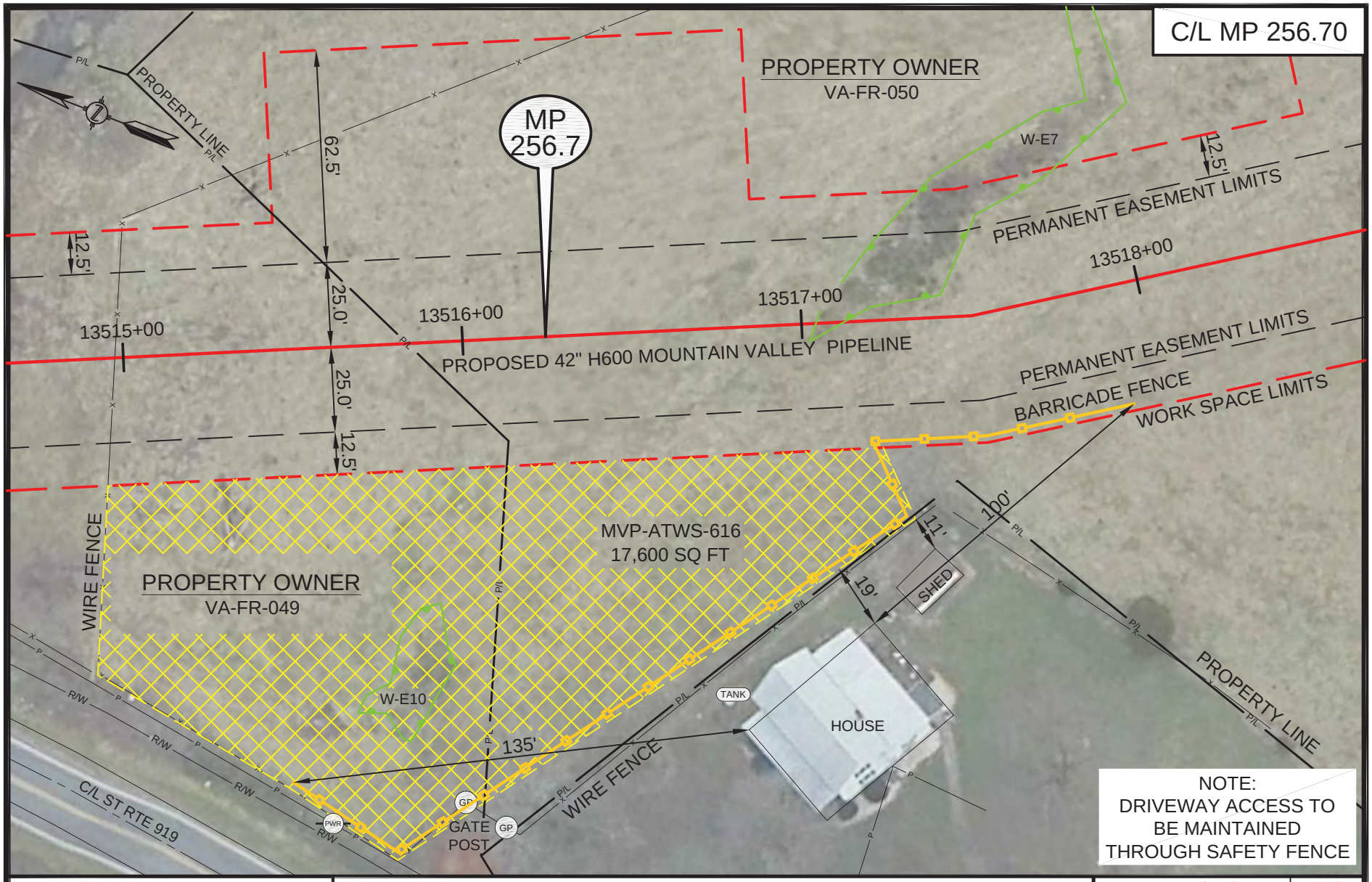

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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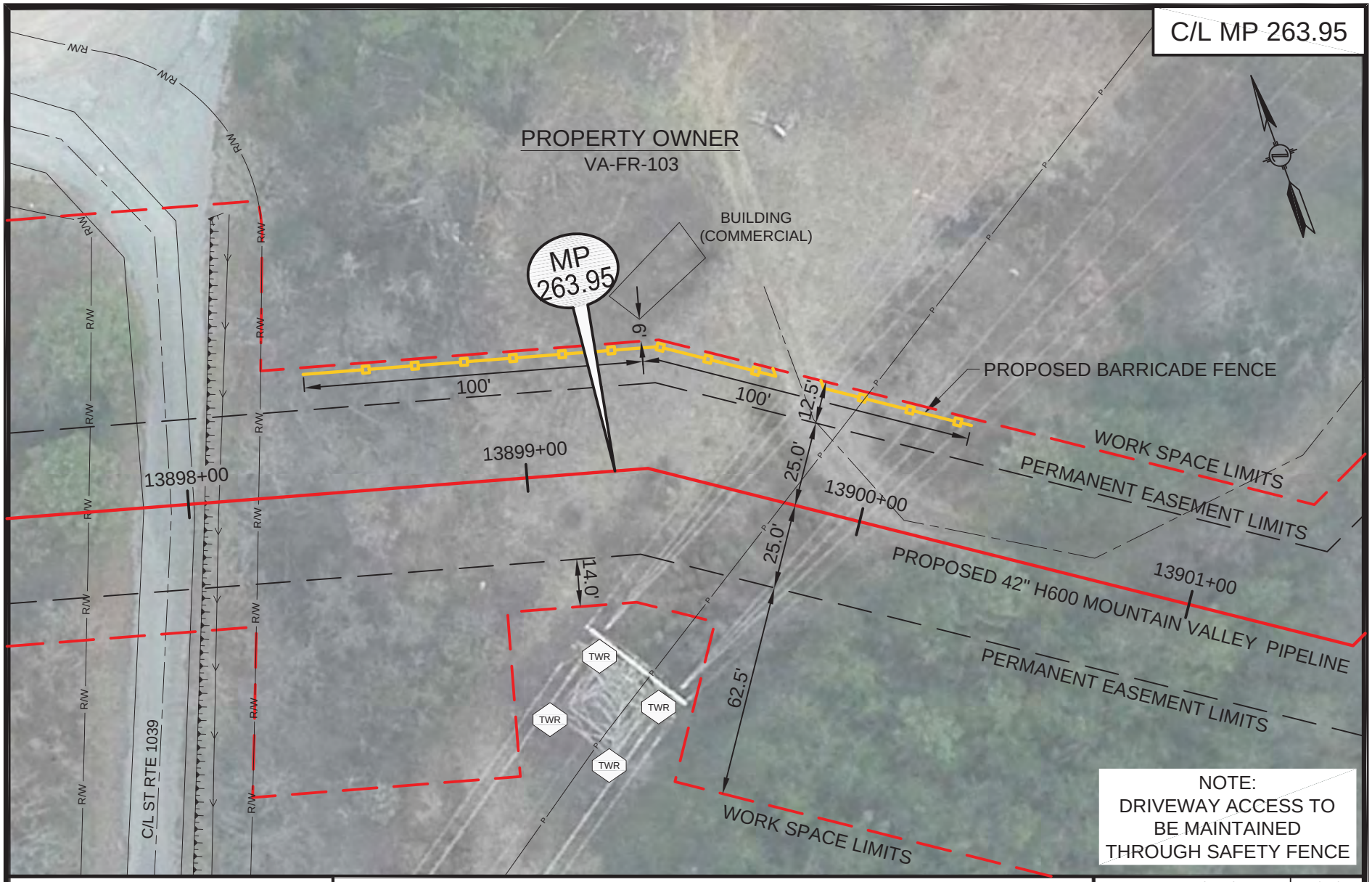

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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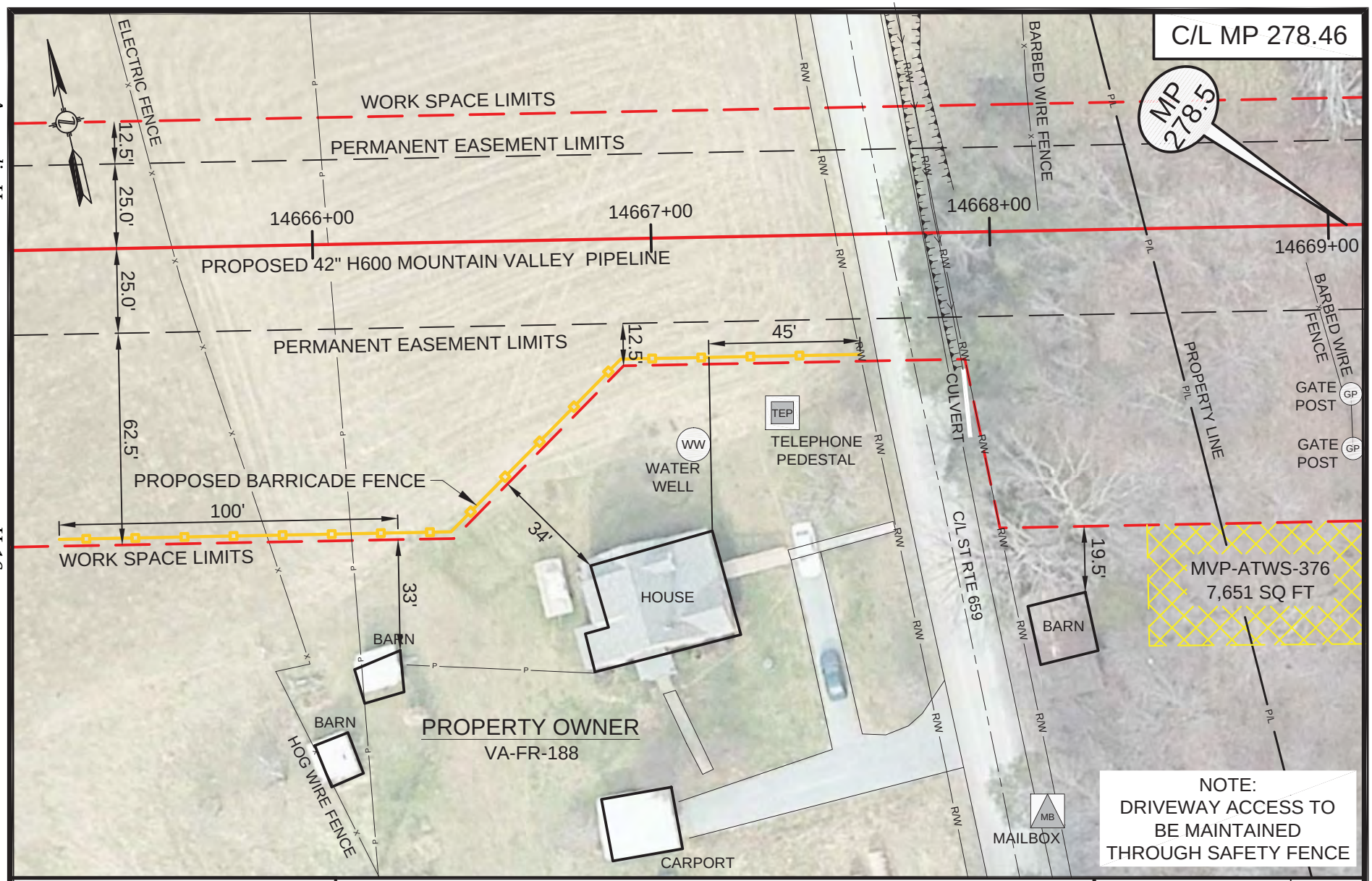

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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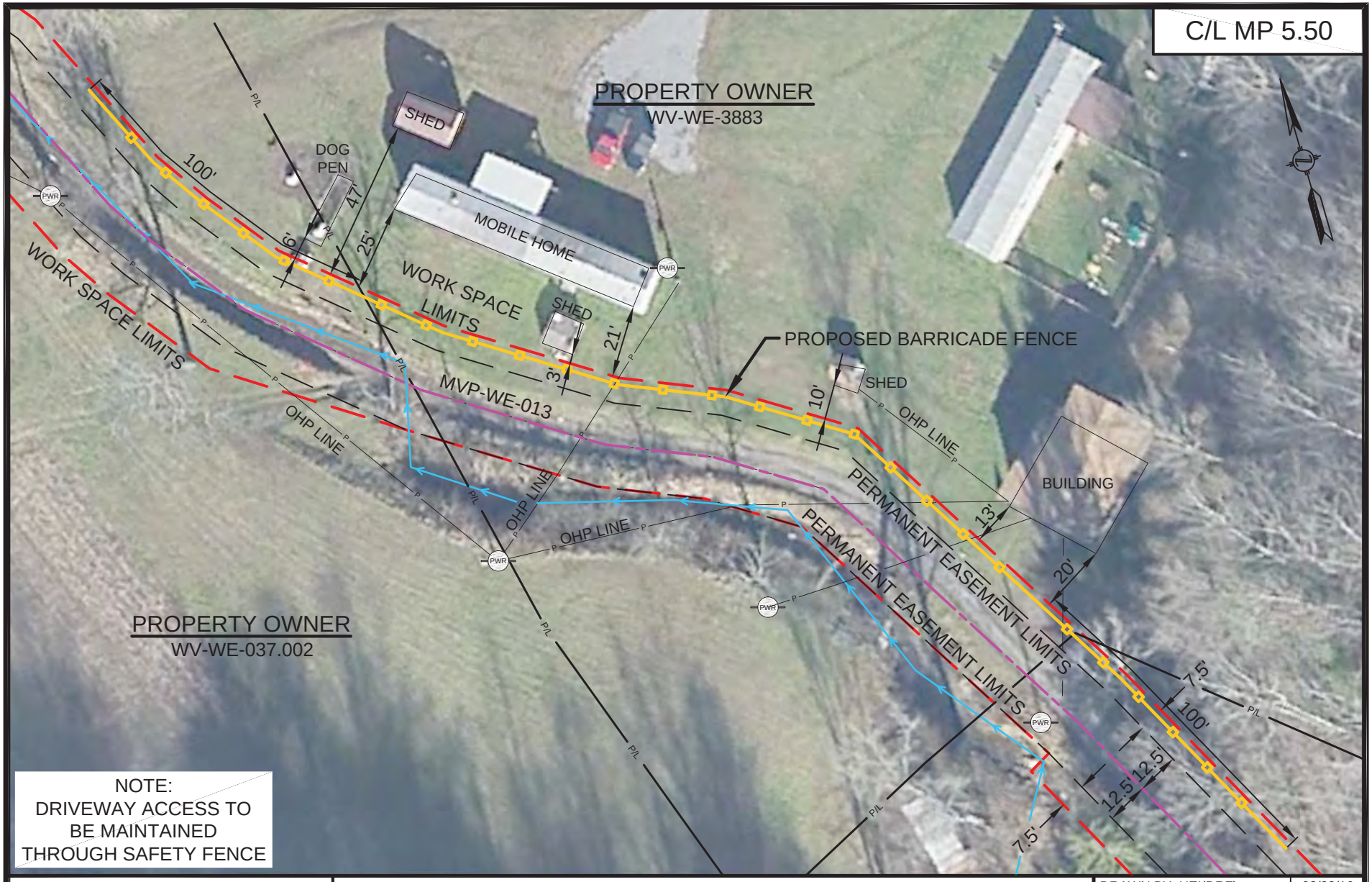

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WETZEL COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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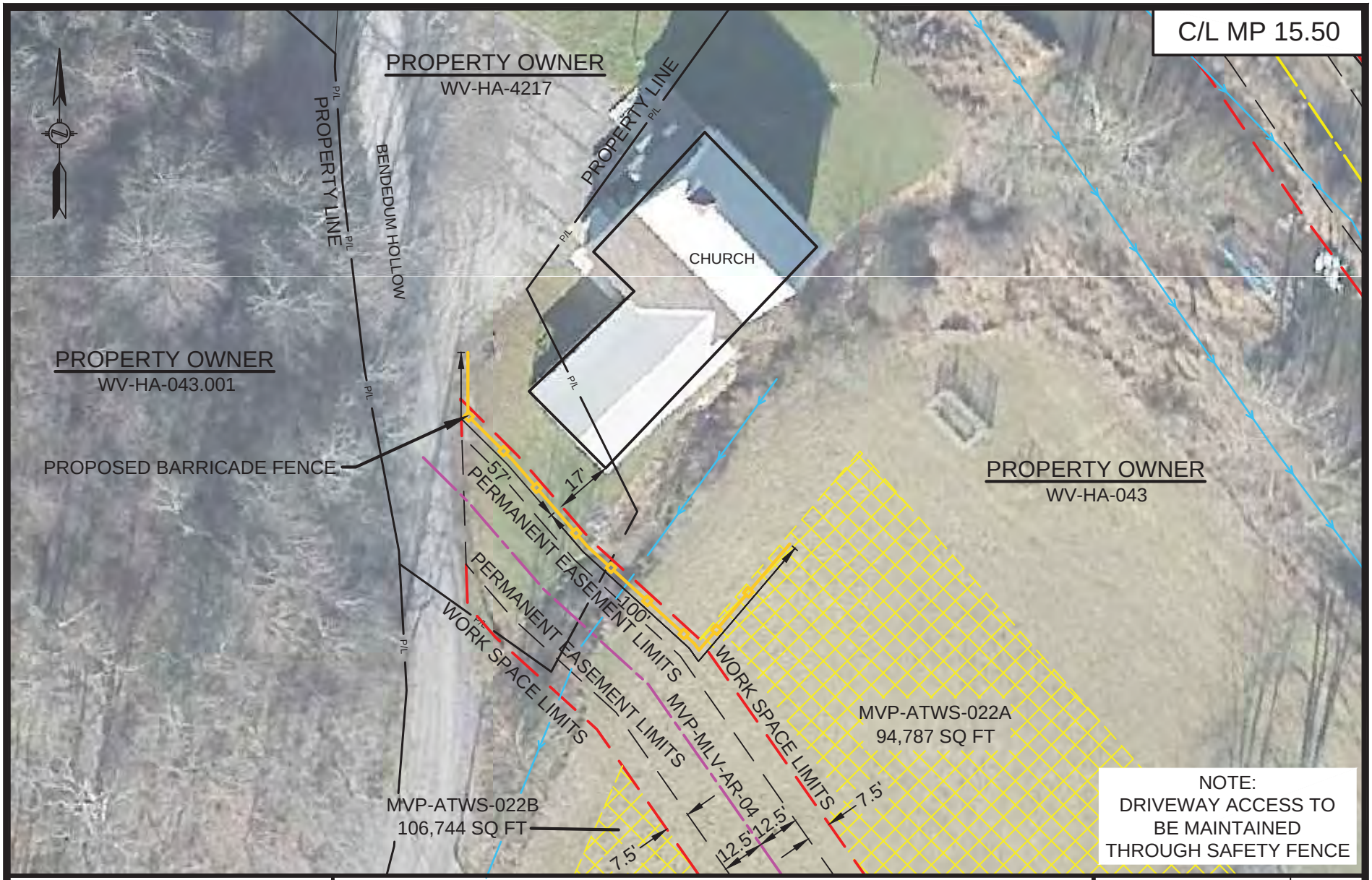

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
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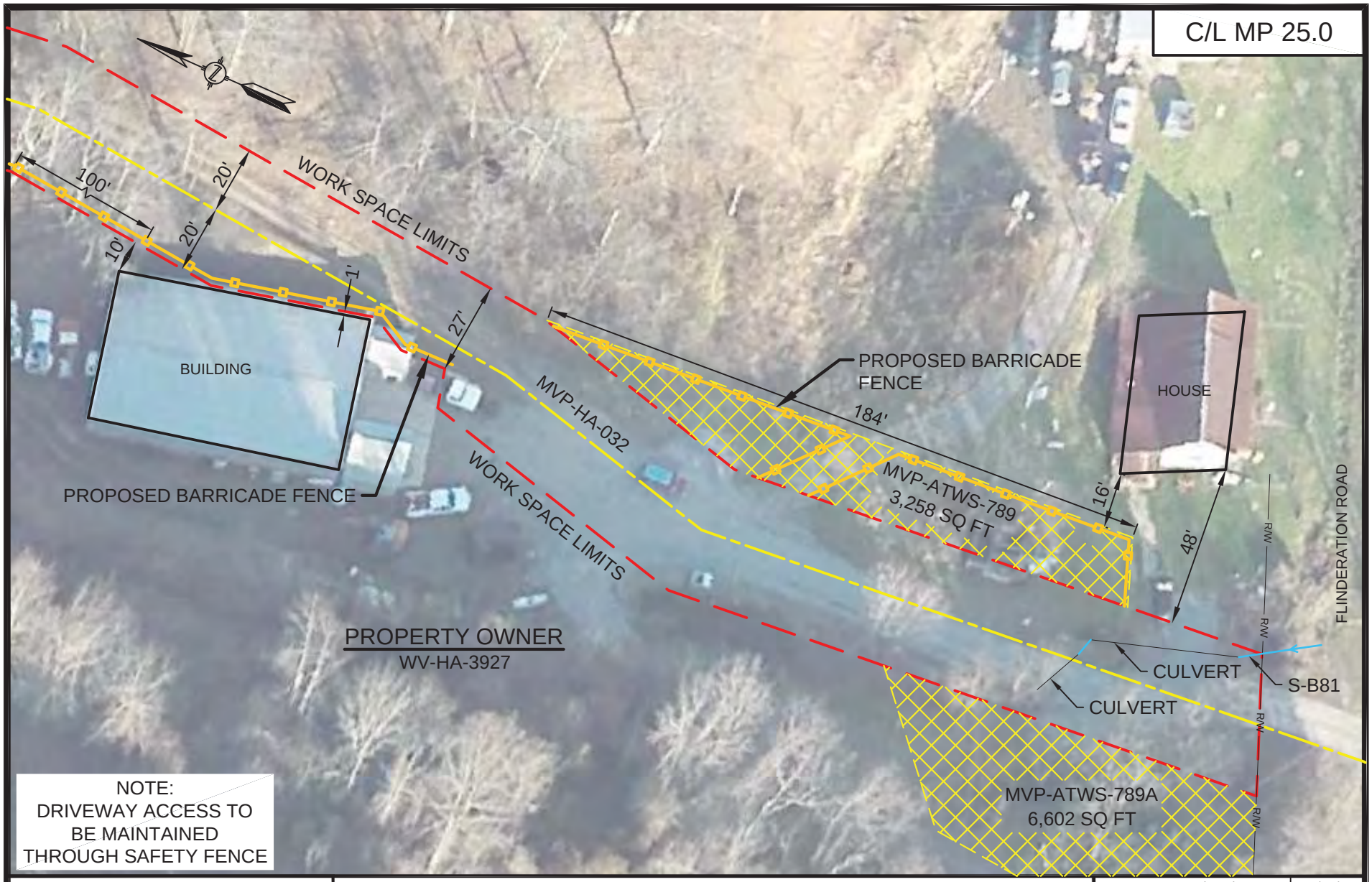

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Appendix H

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Mountain Valley PIPELINE

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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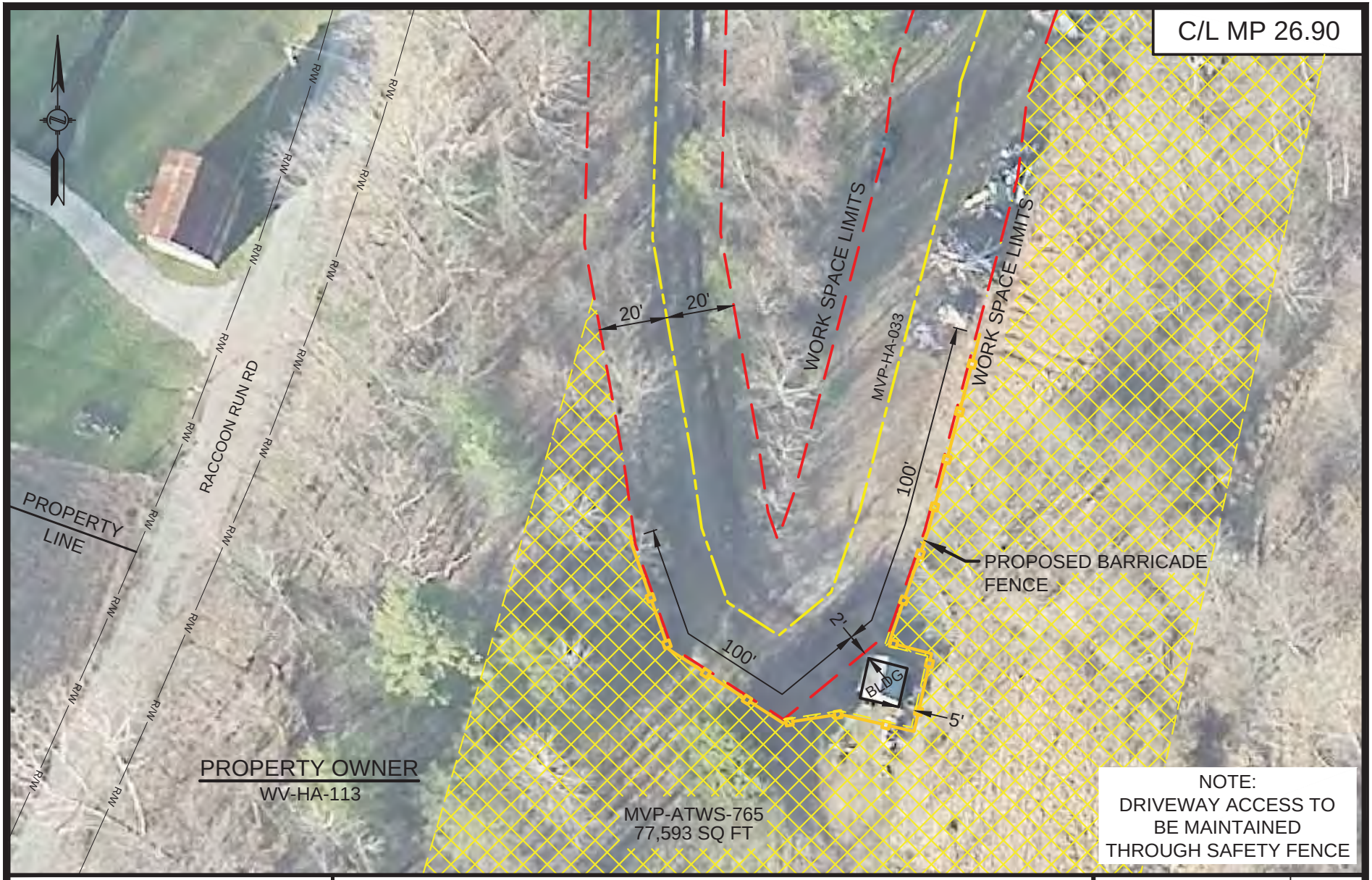

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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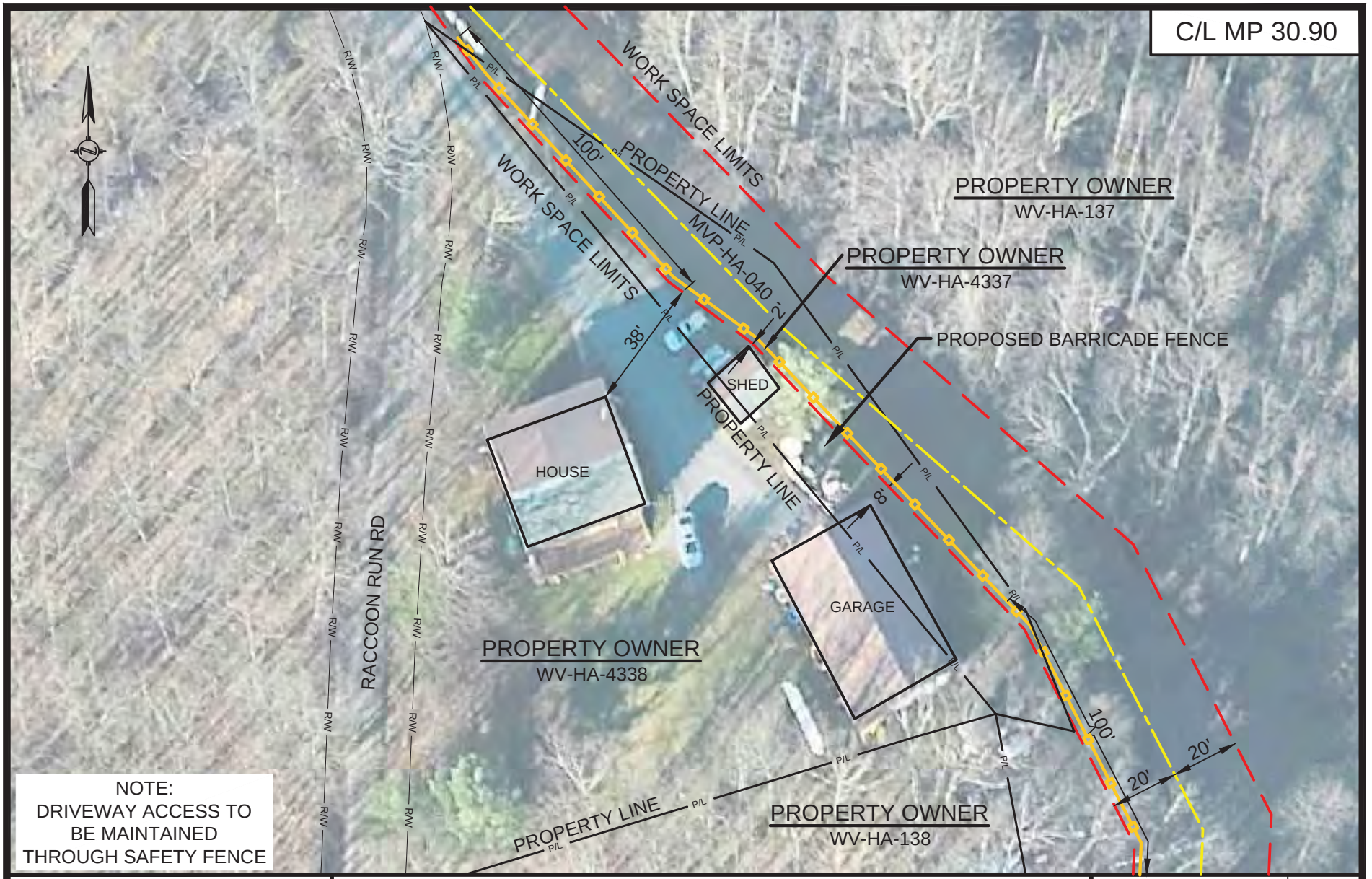

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
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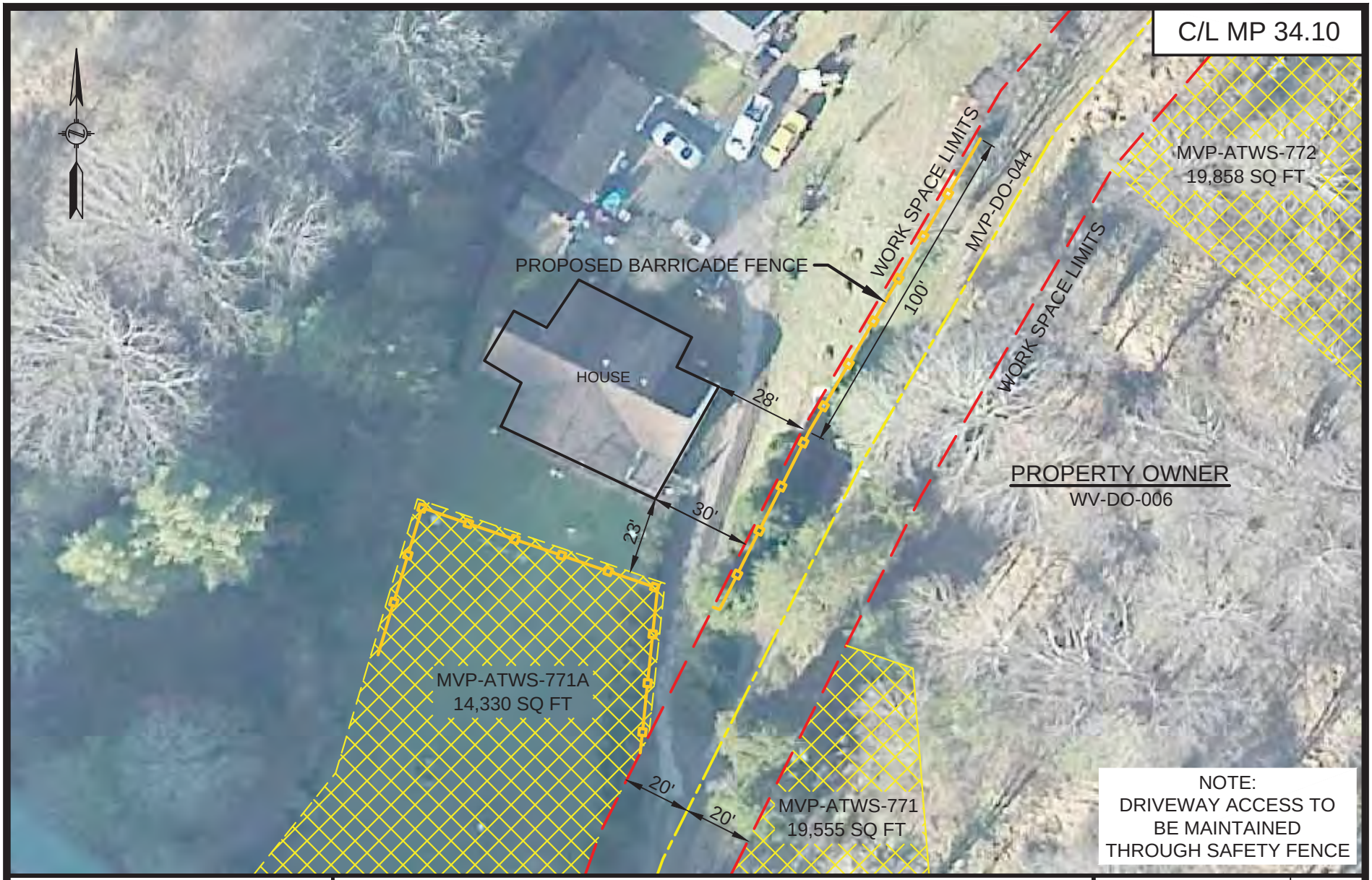

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
DODDRIDGE COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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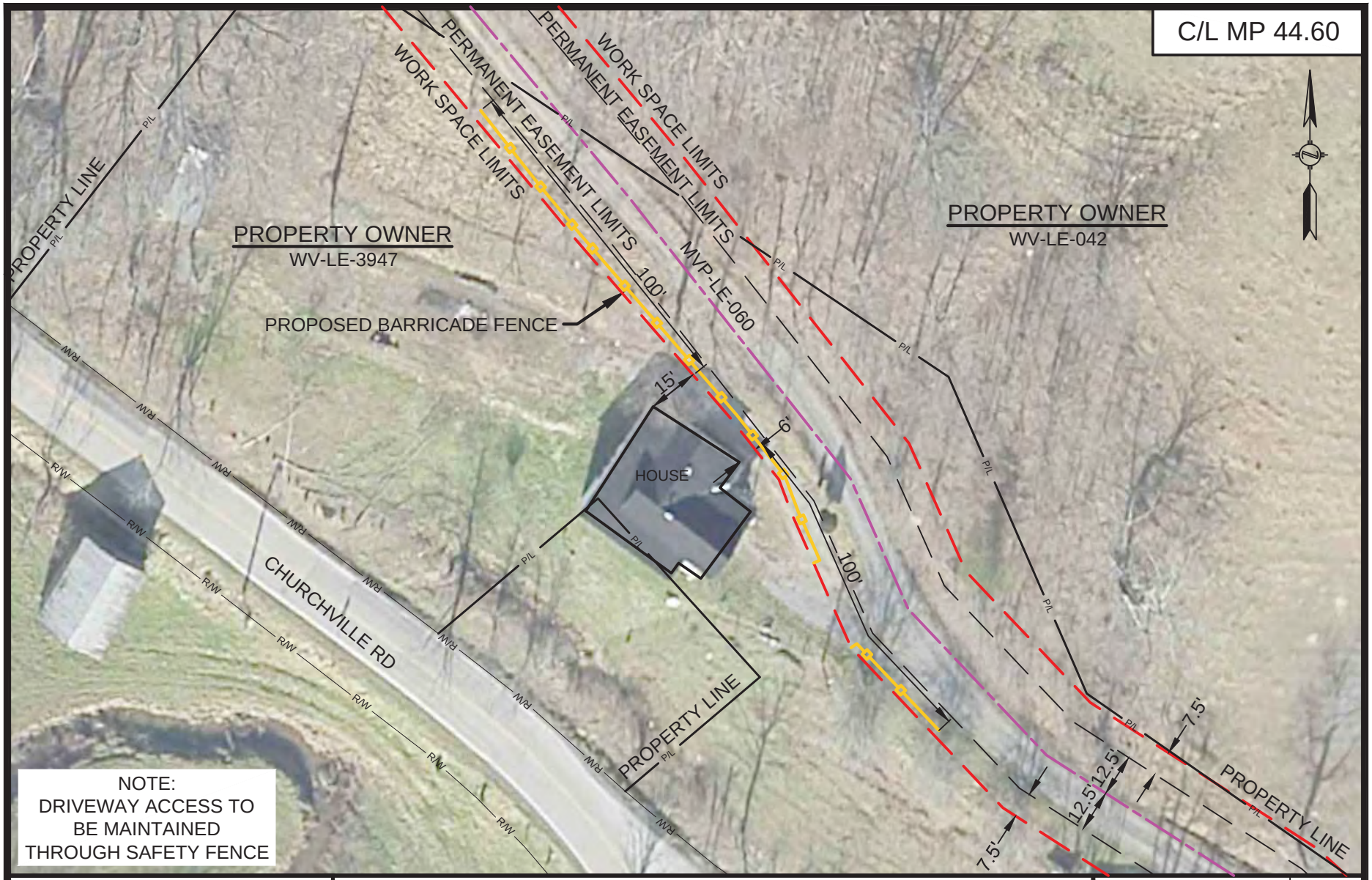

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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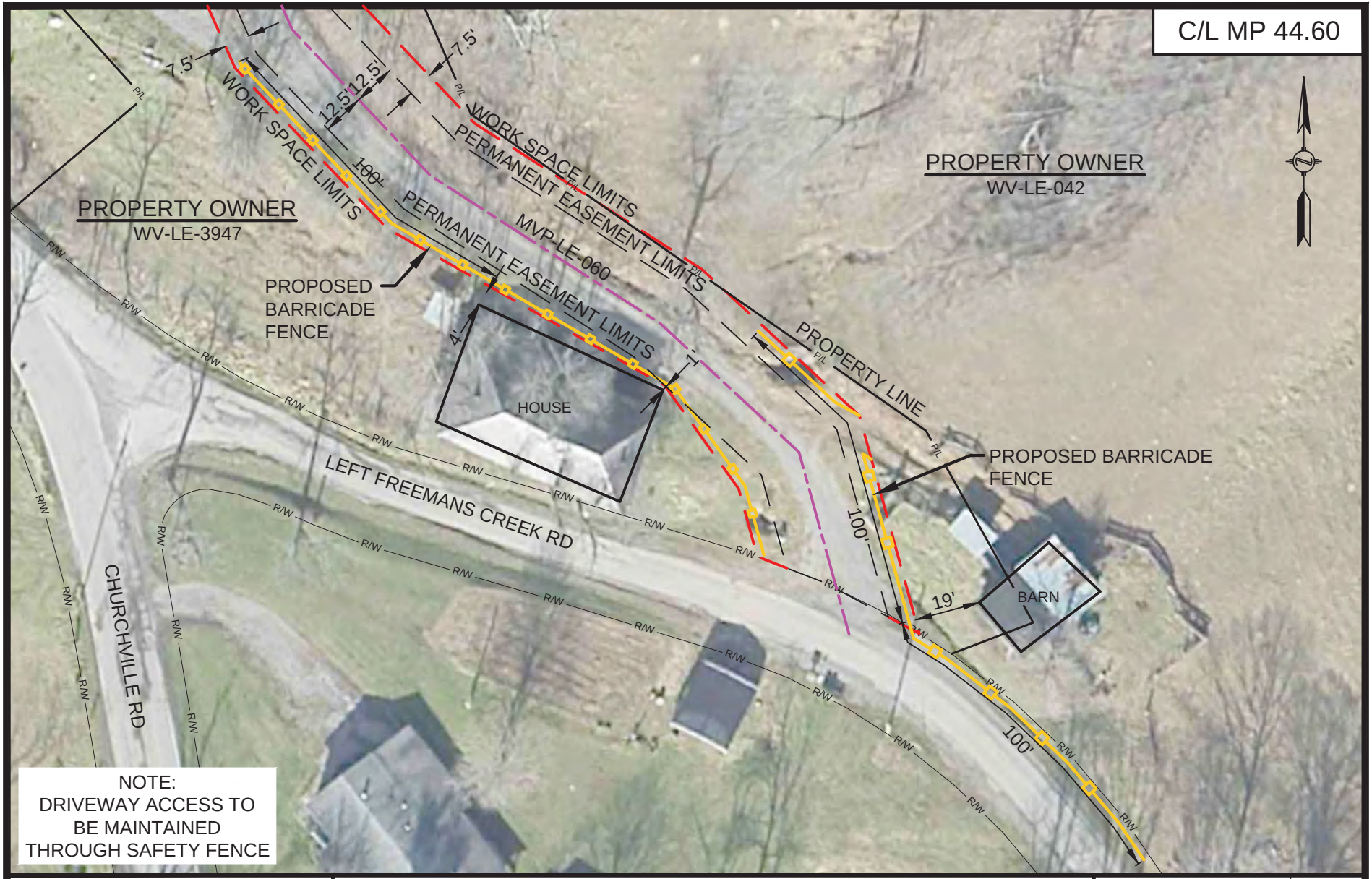

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-LEWV-H600-08	
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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
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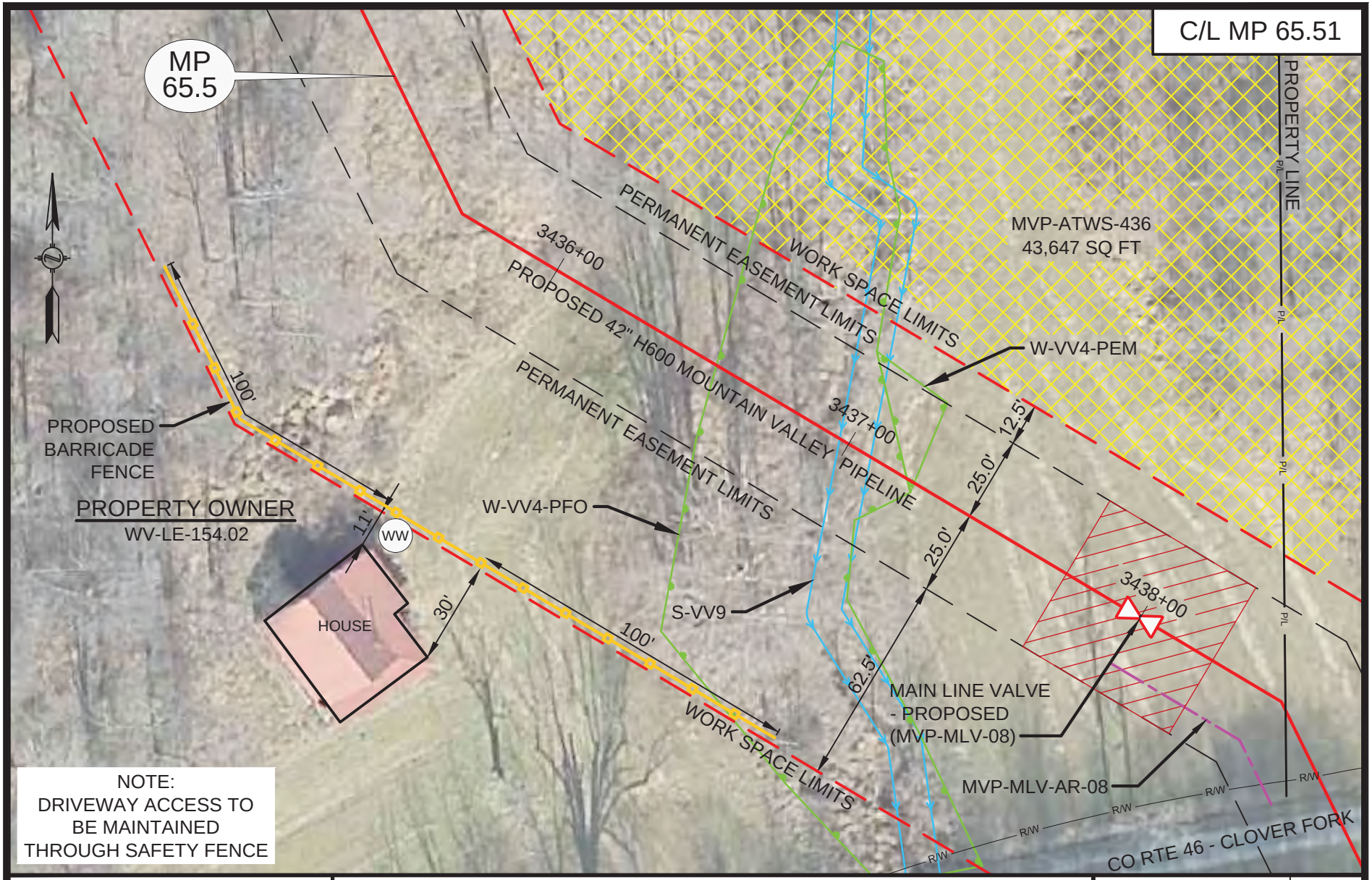

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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ENVIRONMENTAL CK:	
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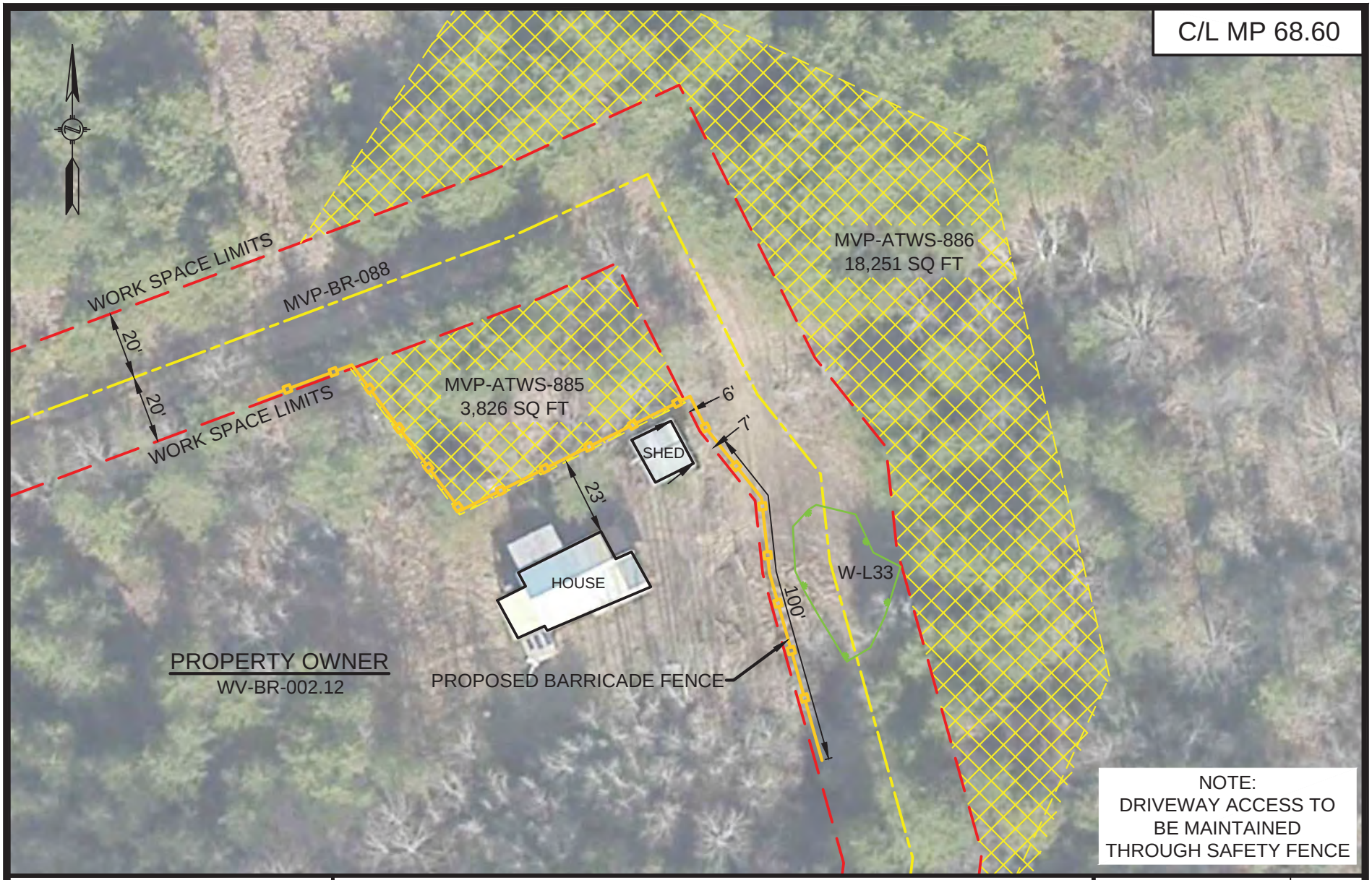

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
BRAXTON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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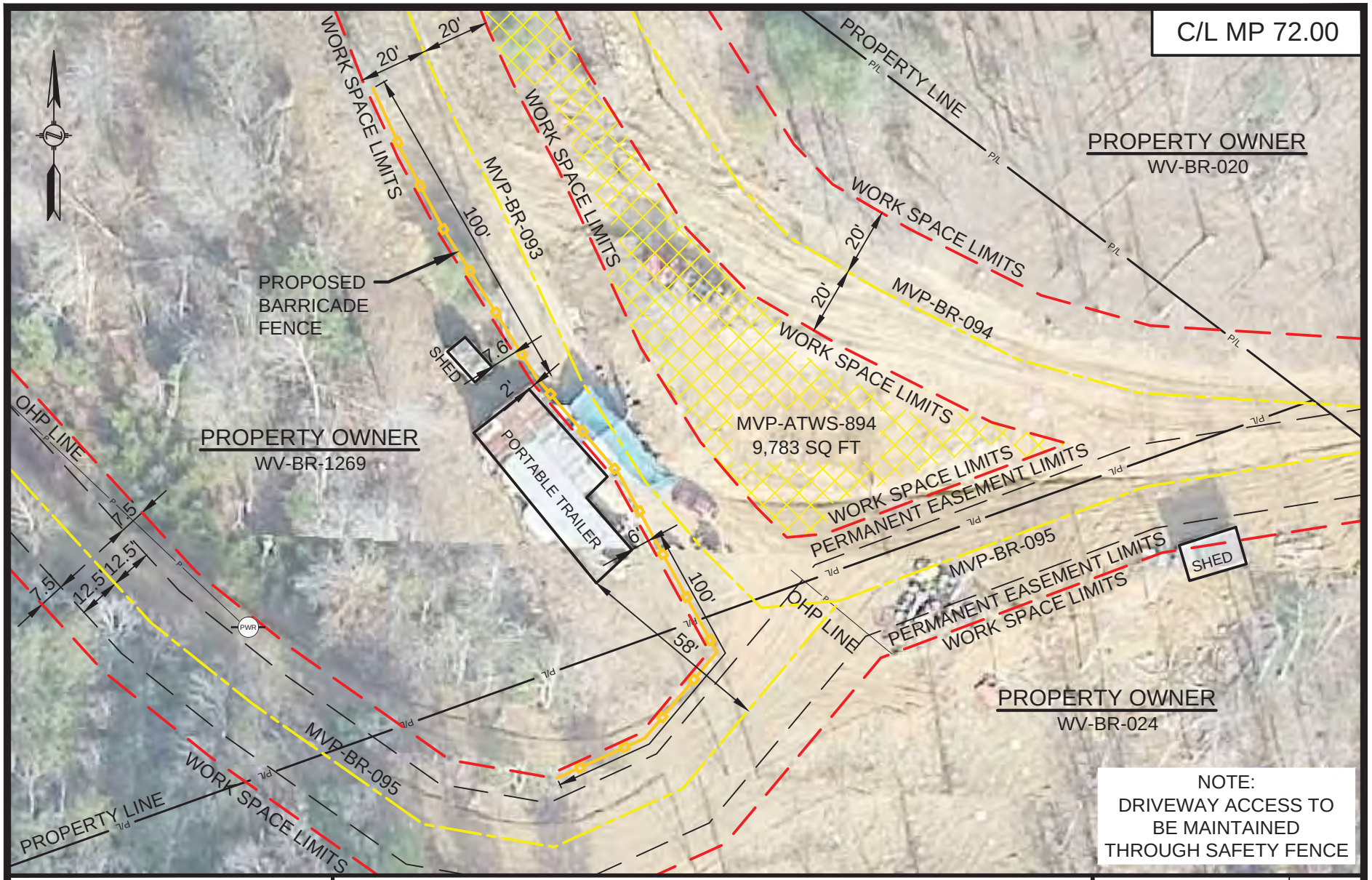

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CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
BRAXTON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
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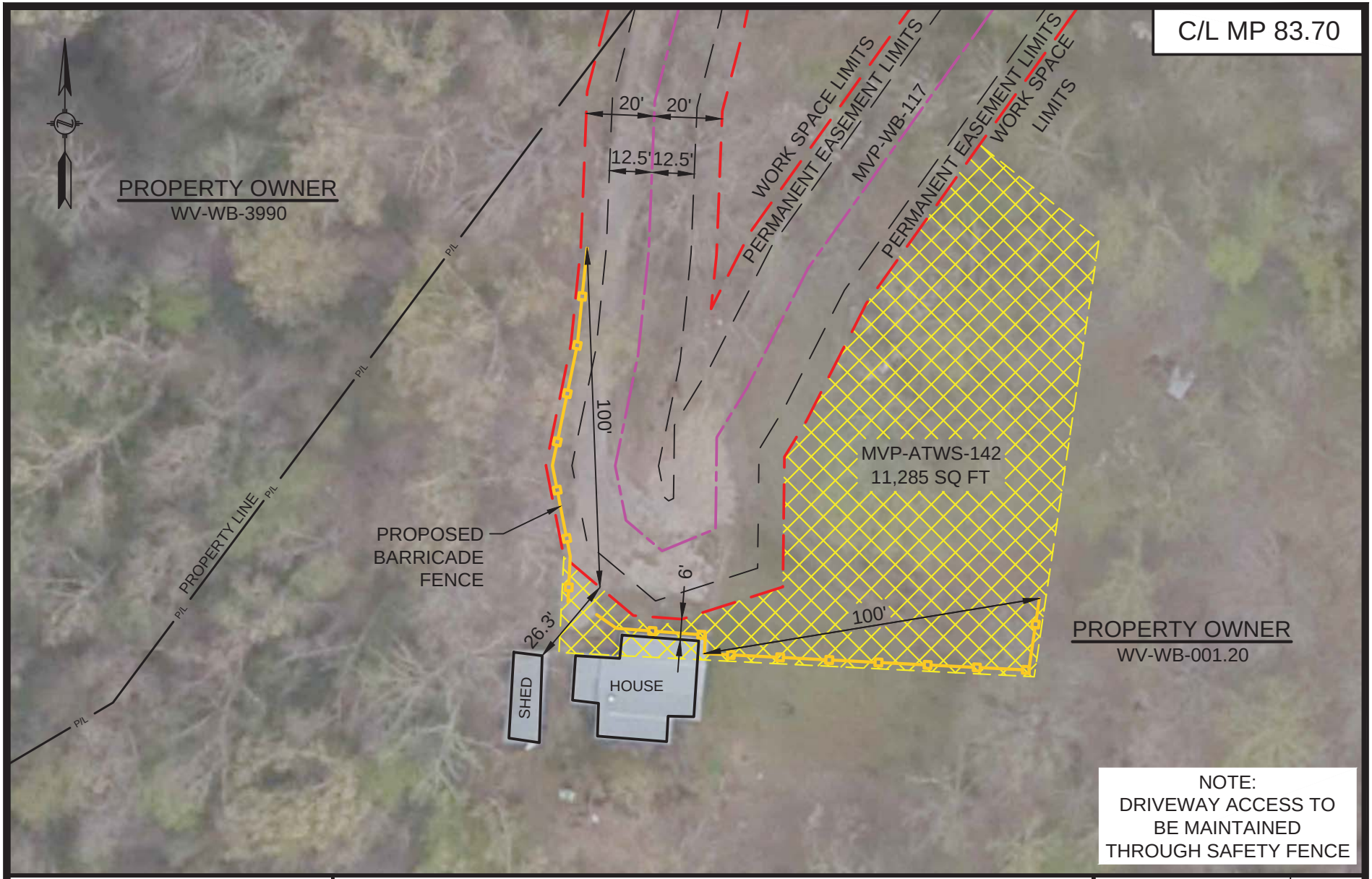

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Mountain Valley PIPELINE

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WEBSTER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
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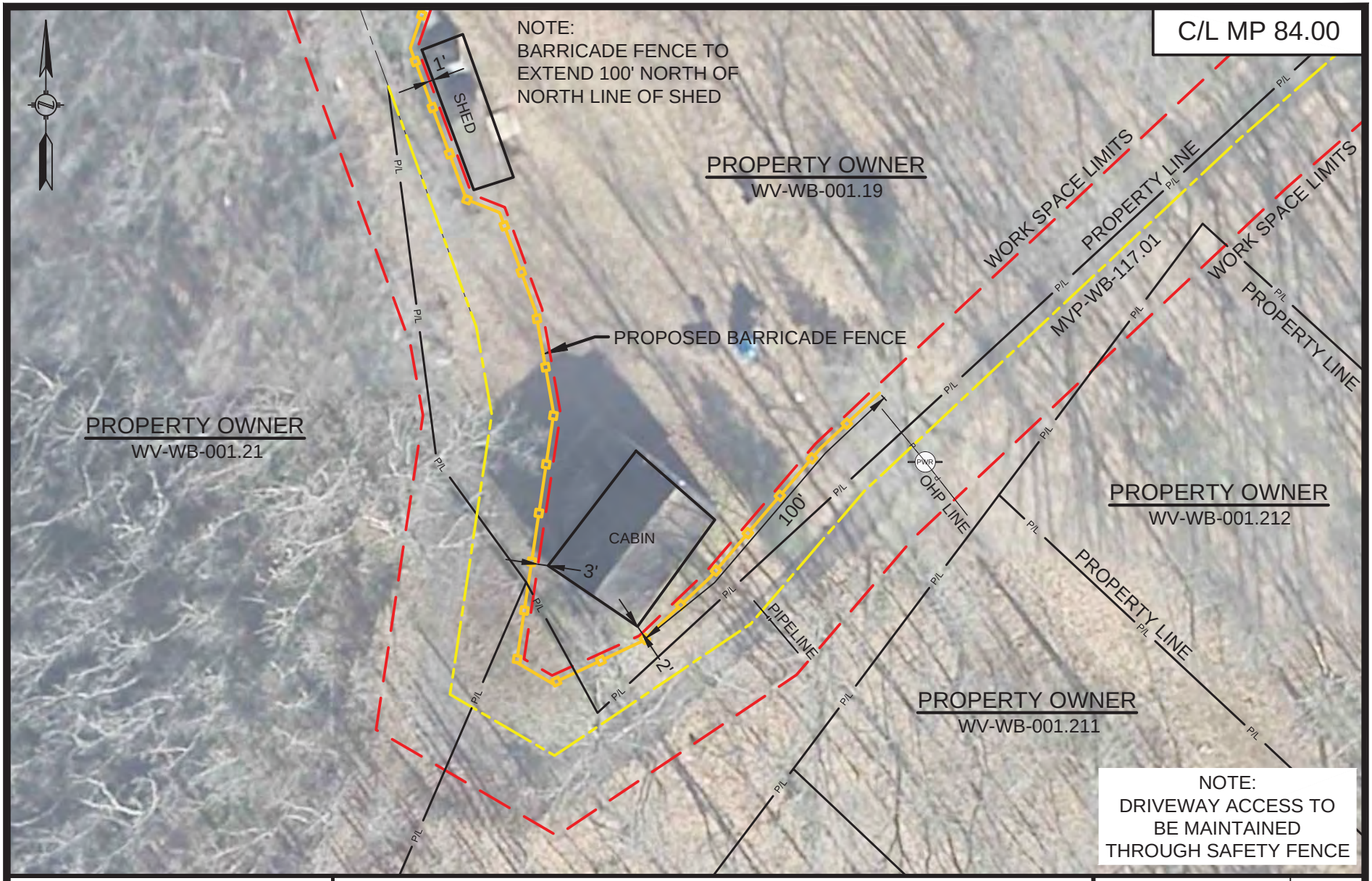

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WEBSTER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-WBWV-H600-04	
DRAWING NO.: **RSS-H600-044**	
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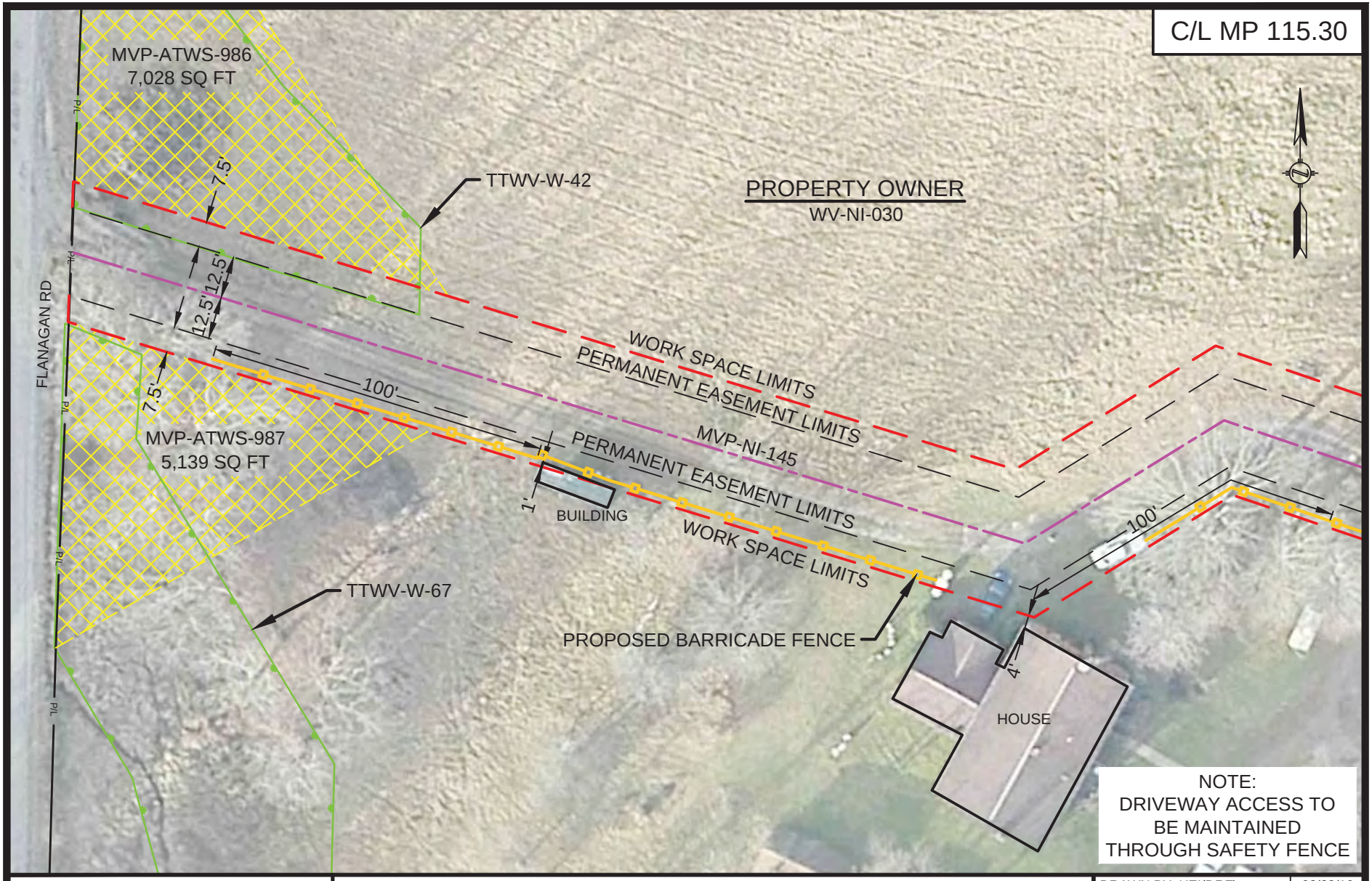

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-46	
DRAWING NO.: **RSS-H600-048**	
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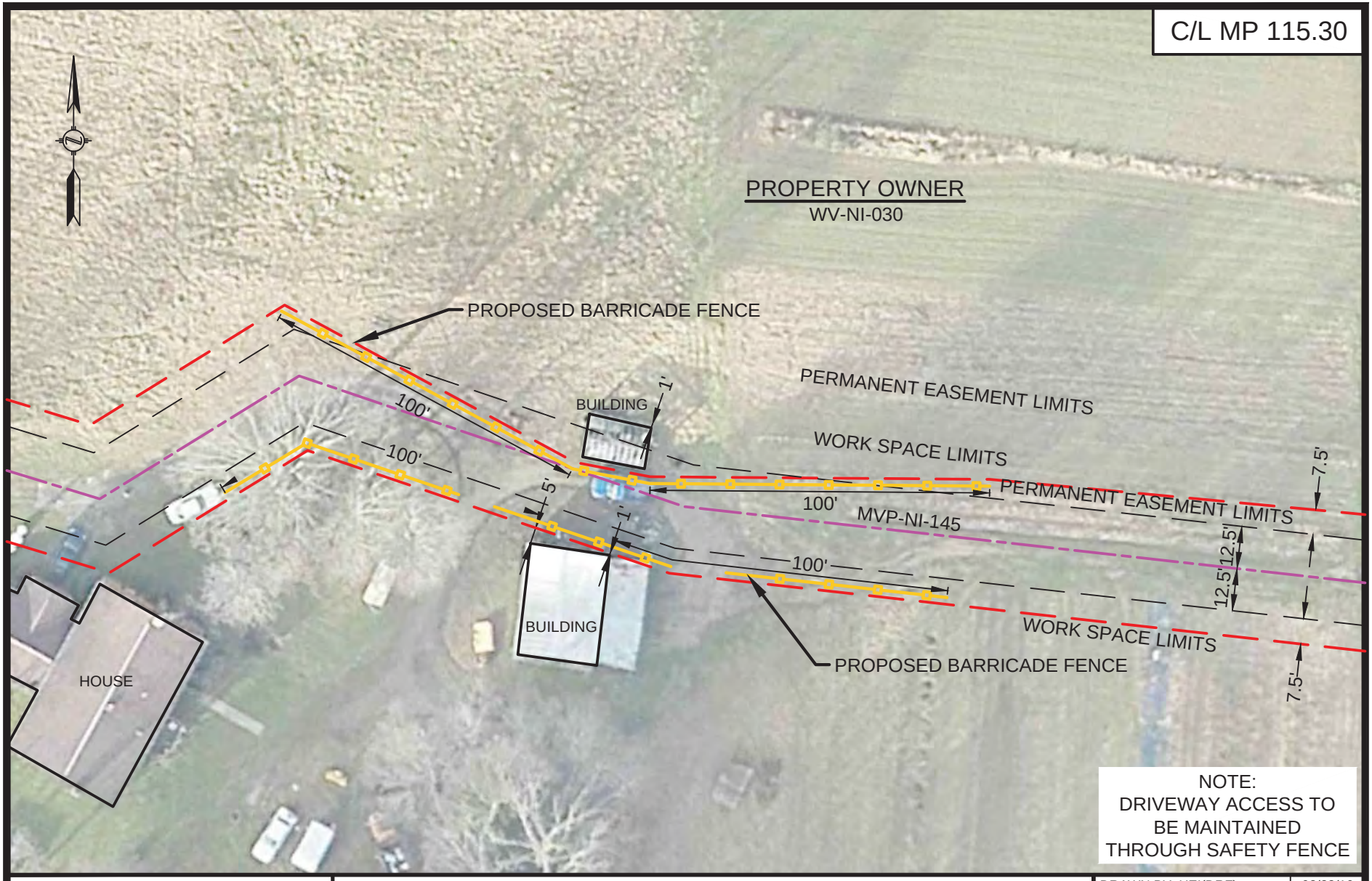

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-46	
DRAWING NO.: **RSS-H600-049**	
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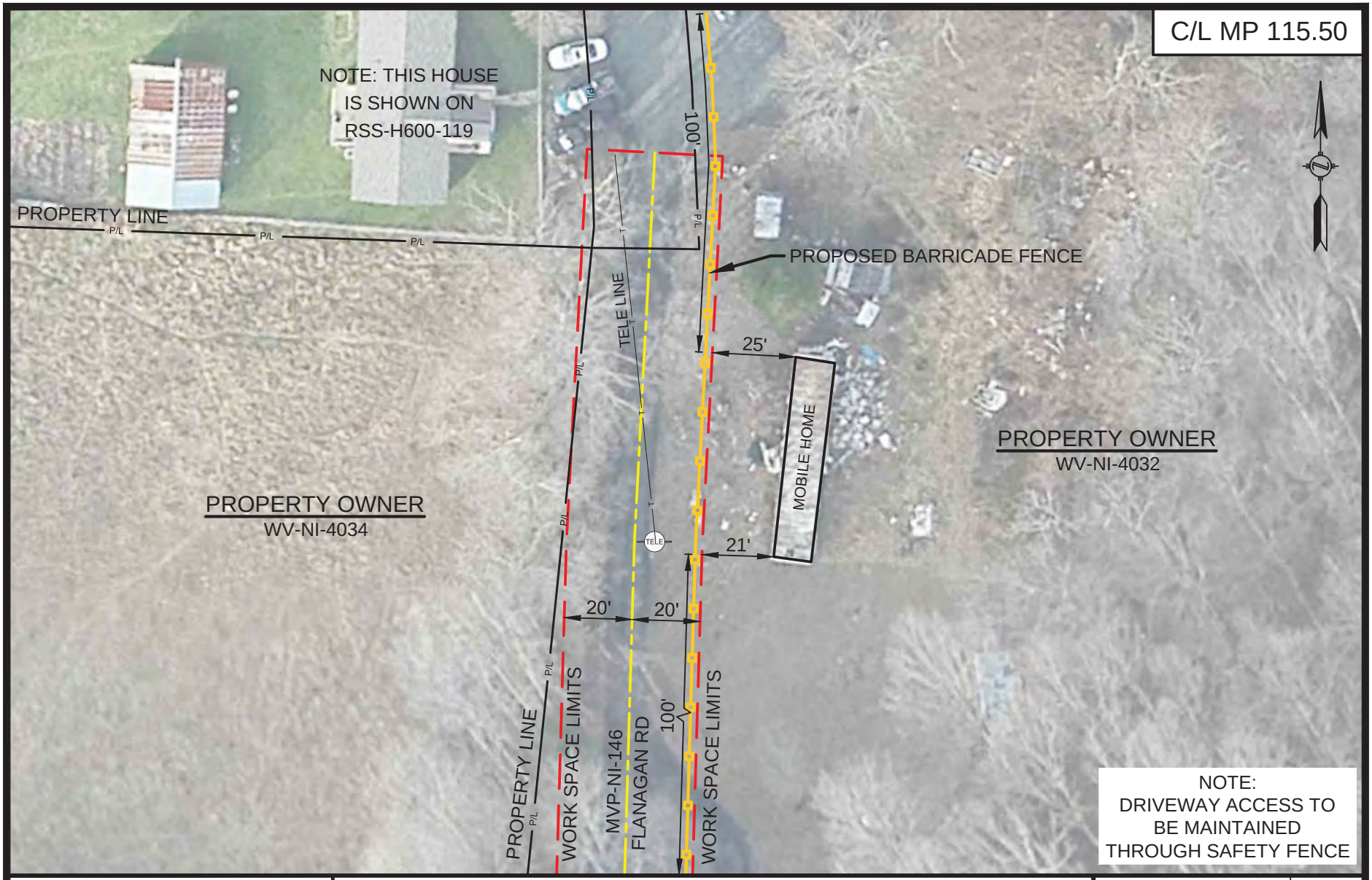

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/22/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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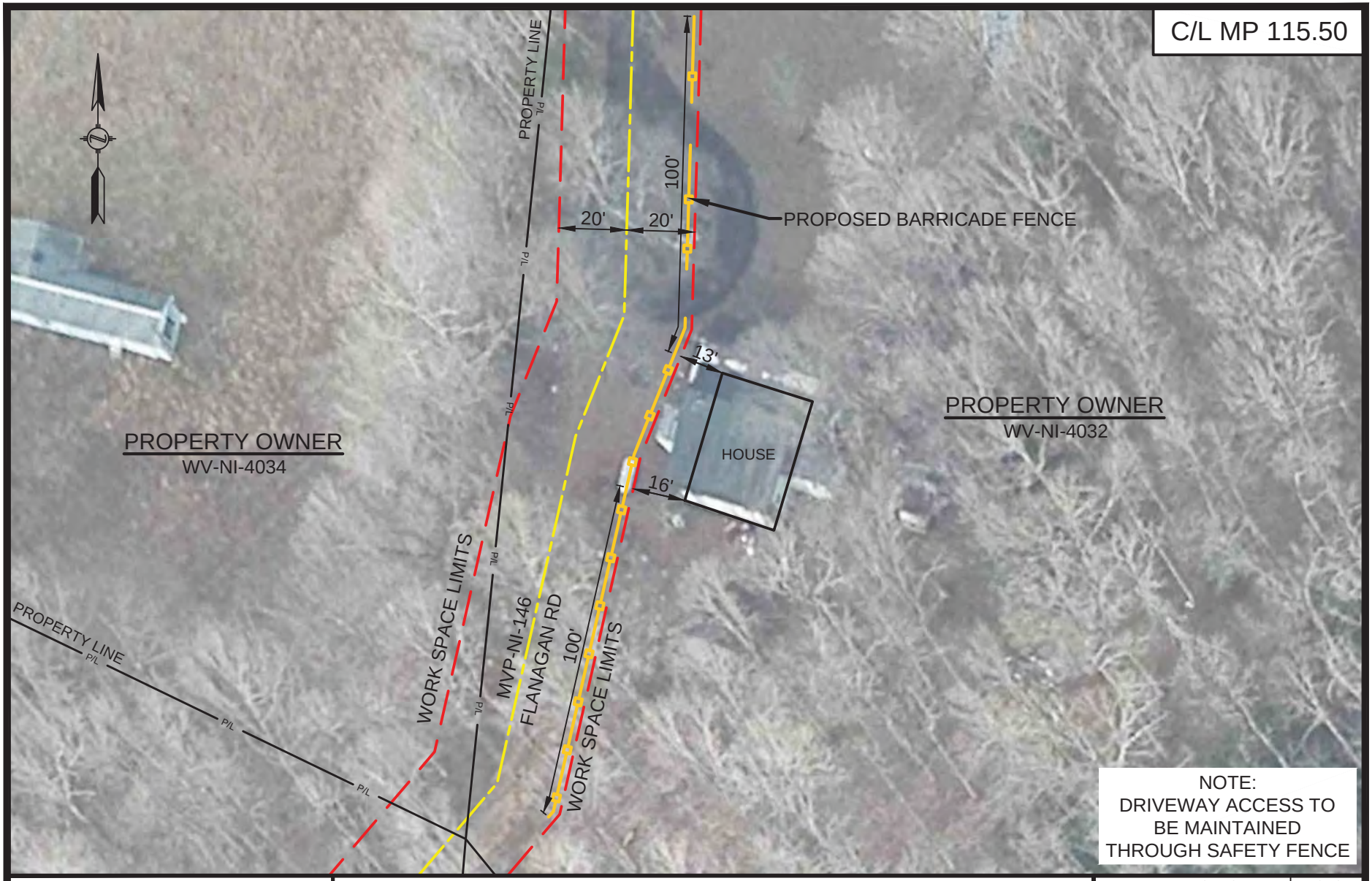

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-46	
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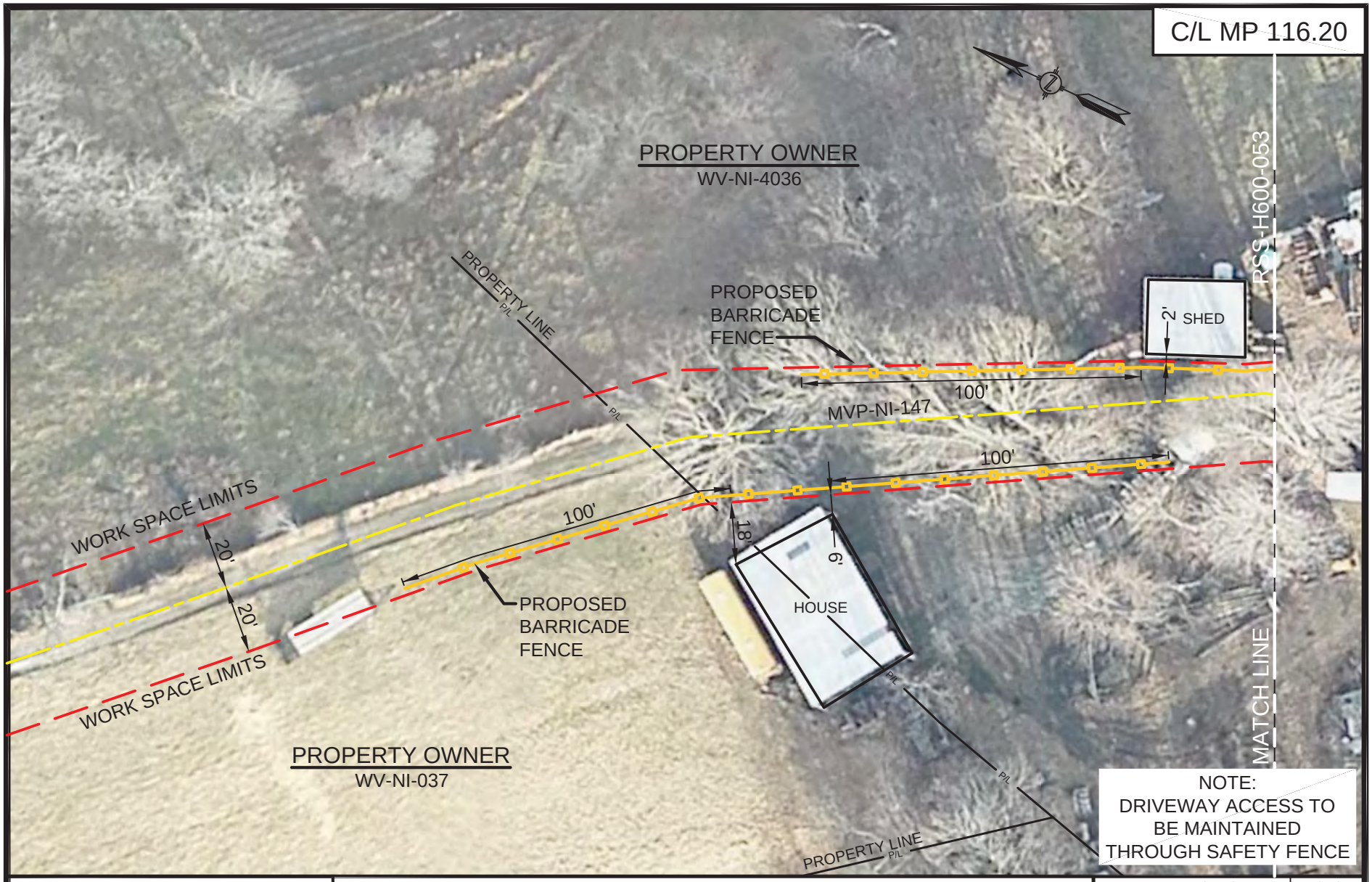

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 2

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-46	
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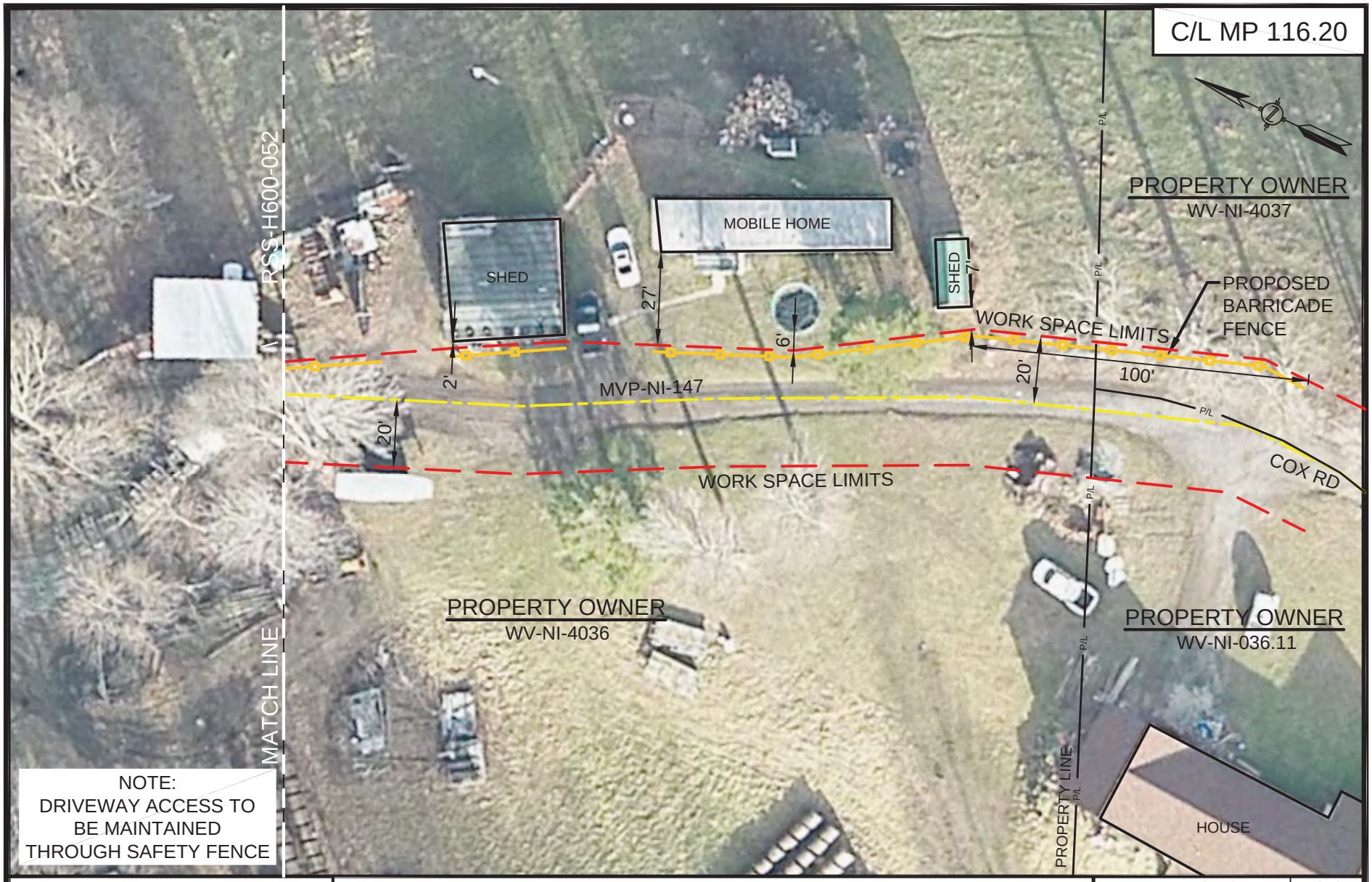

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 2 OF 2

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-46	
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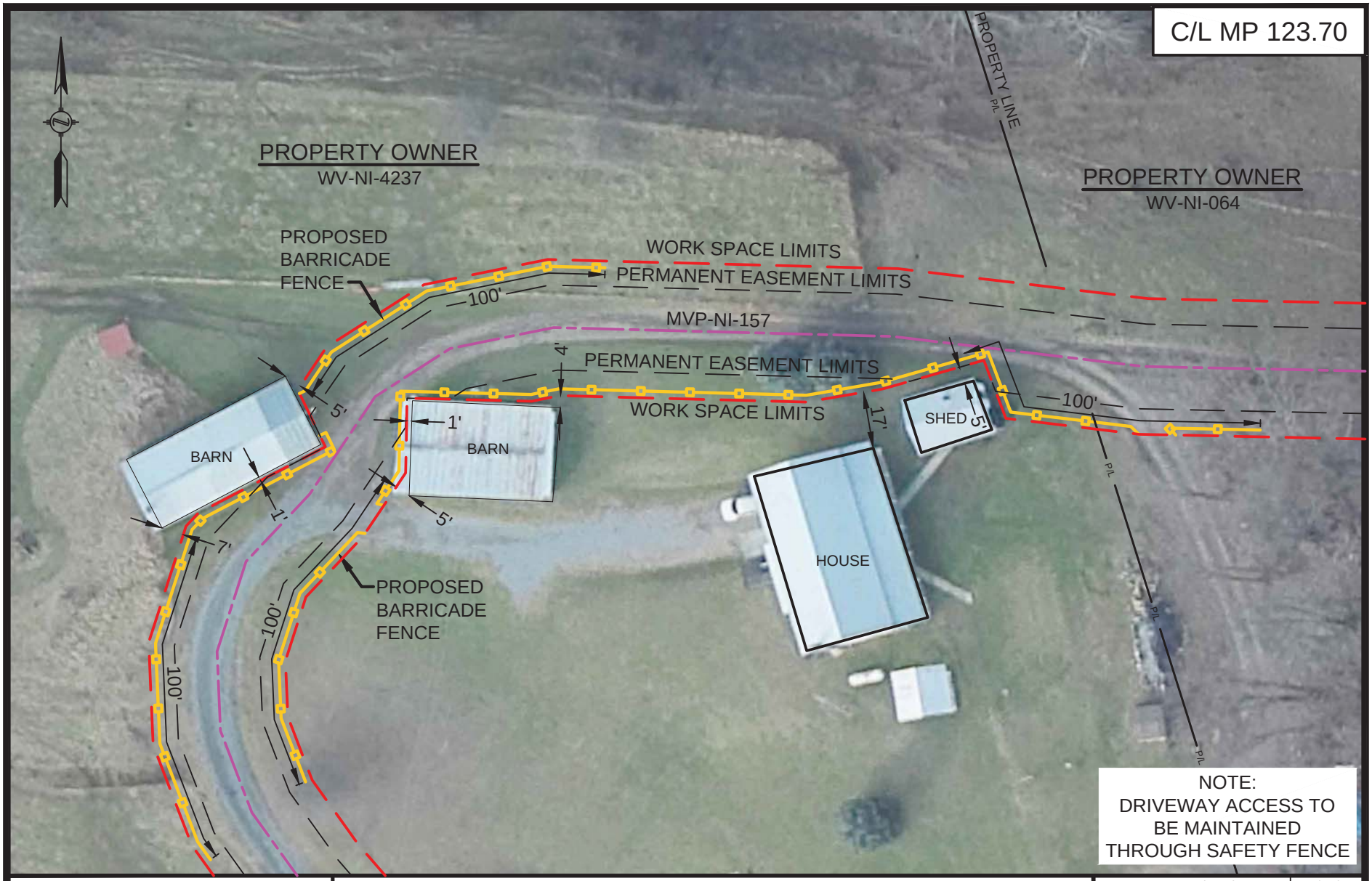

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-56	
DRAWING NO.: **RSS-H600-054**	
SCALE: 1" = 40'	REV. 1
DATE OF PLOT: 4/18/2016 4:59 PM	

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PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-NIWV-H600-15	
DRAWING NO.: **RSS-H600-055**	
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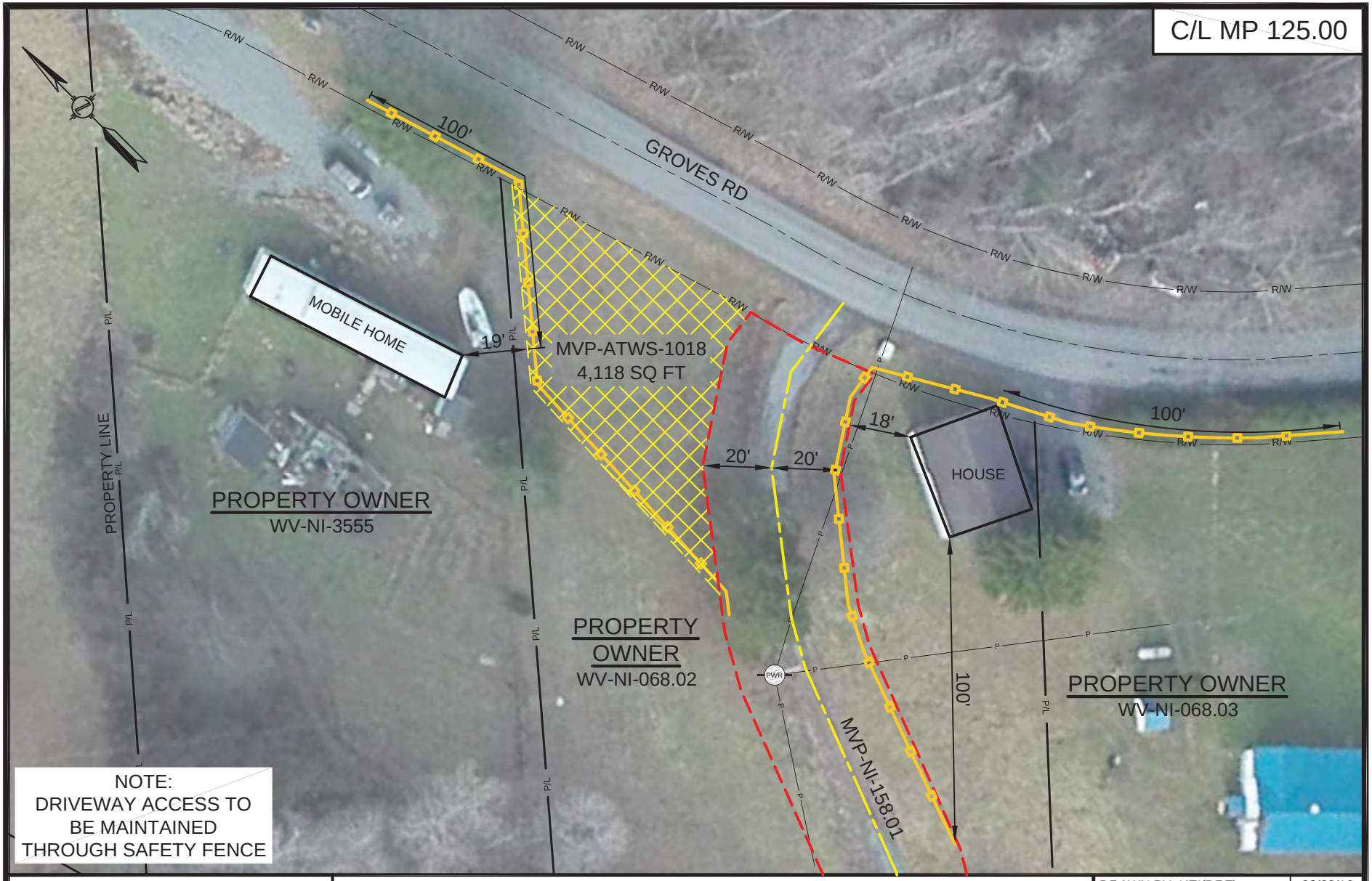

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-NIWV-H600-15	
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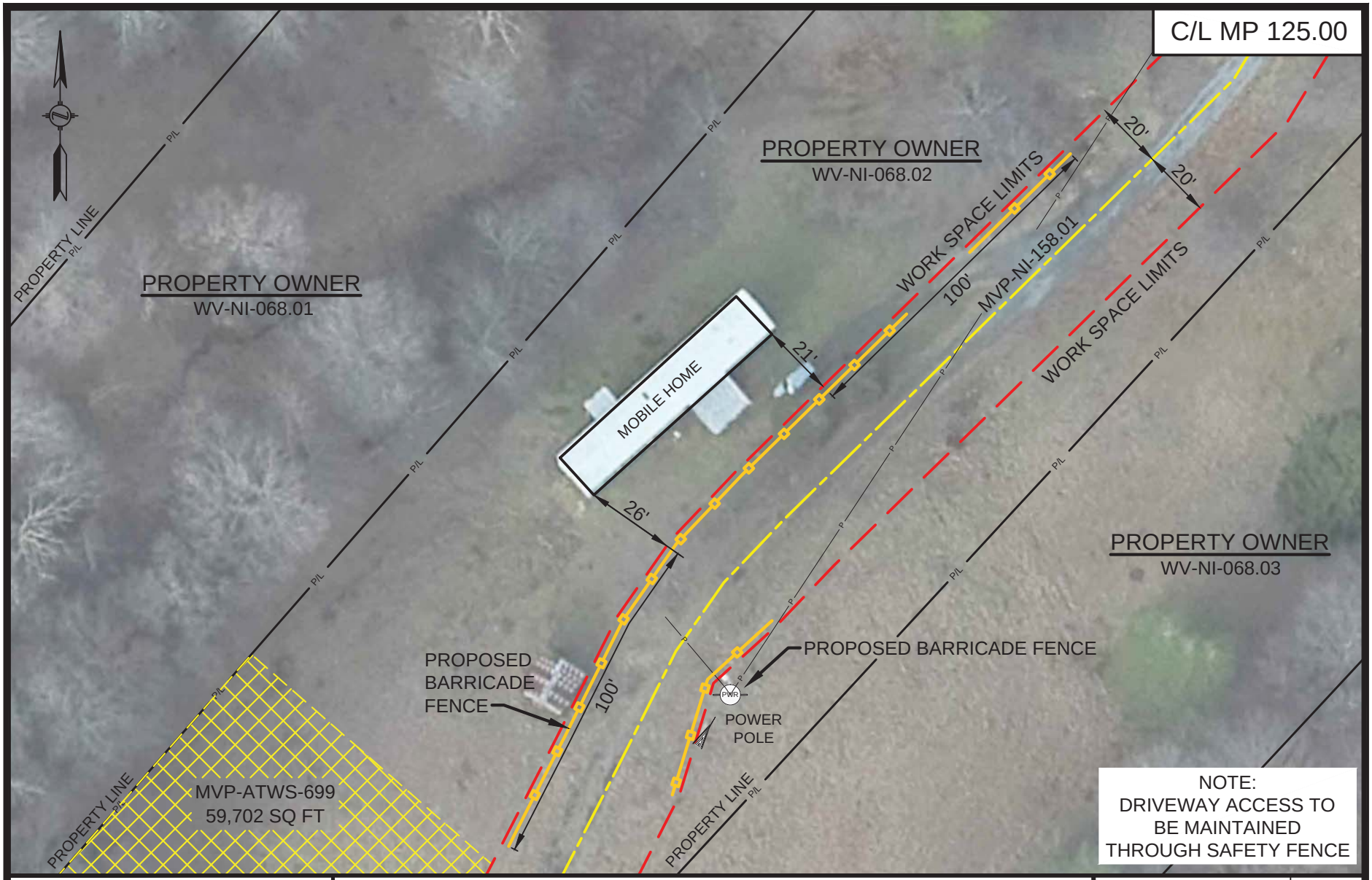

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-NIWV-H600-15	
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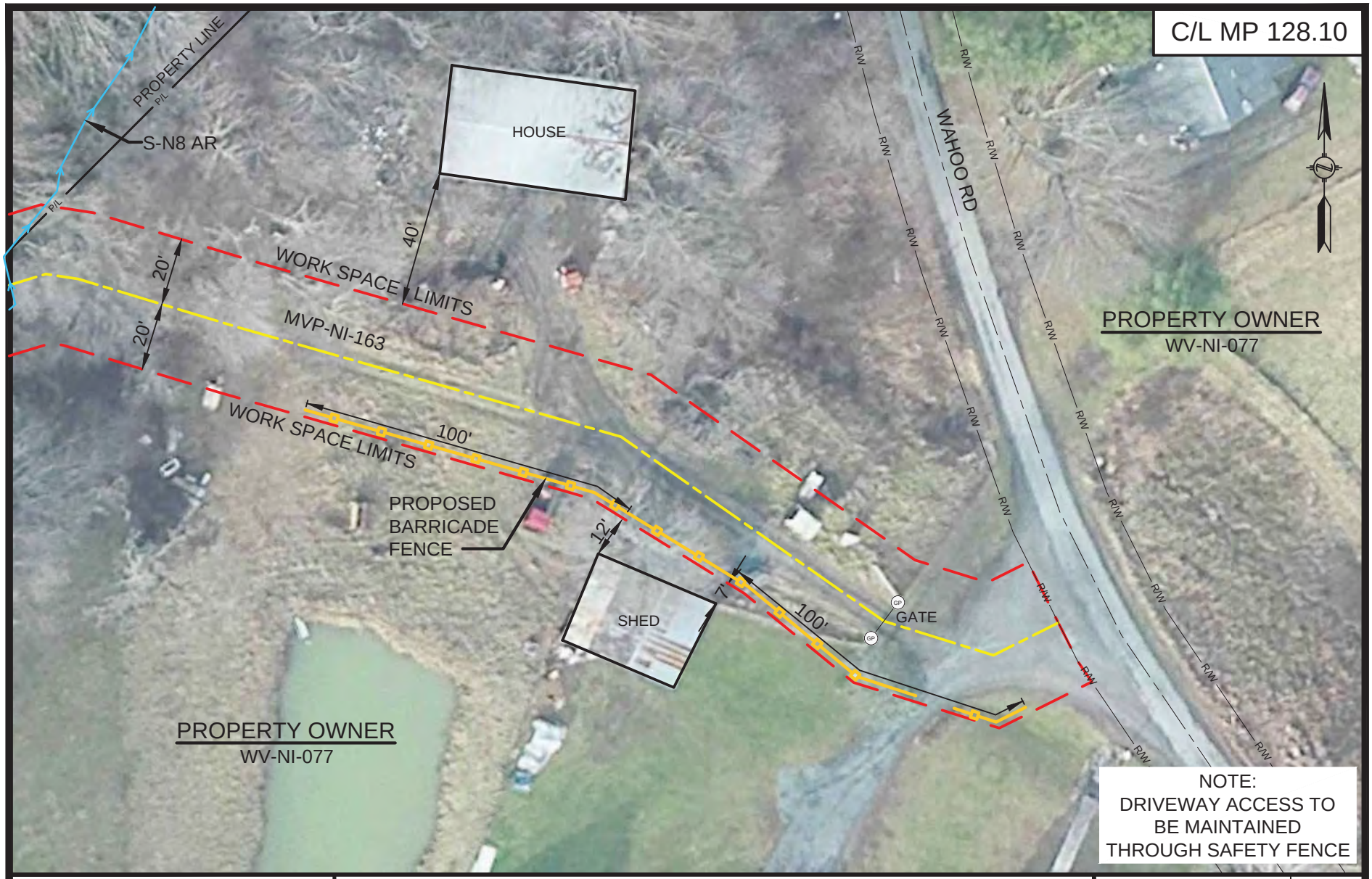

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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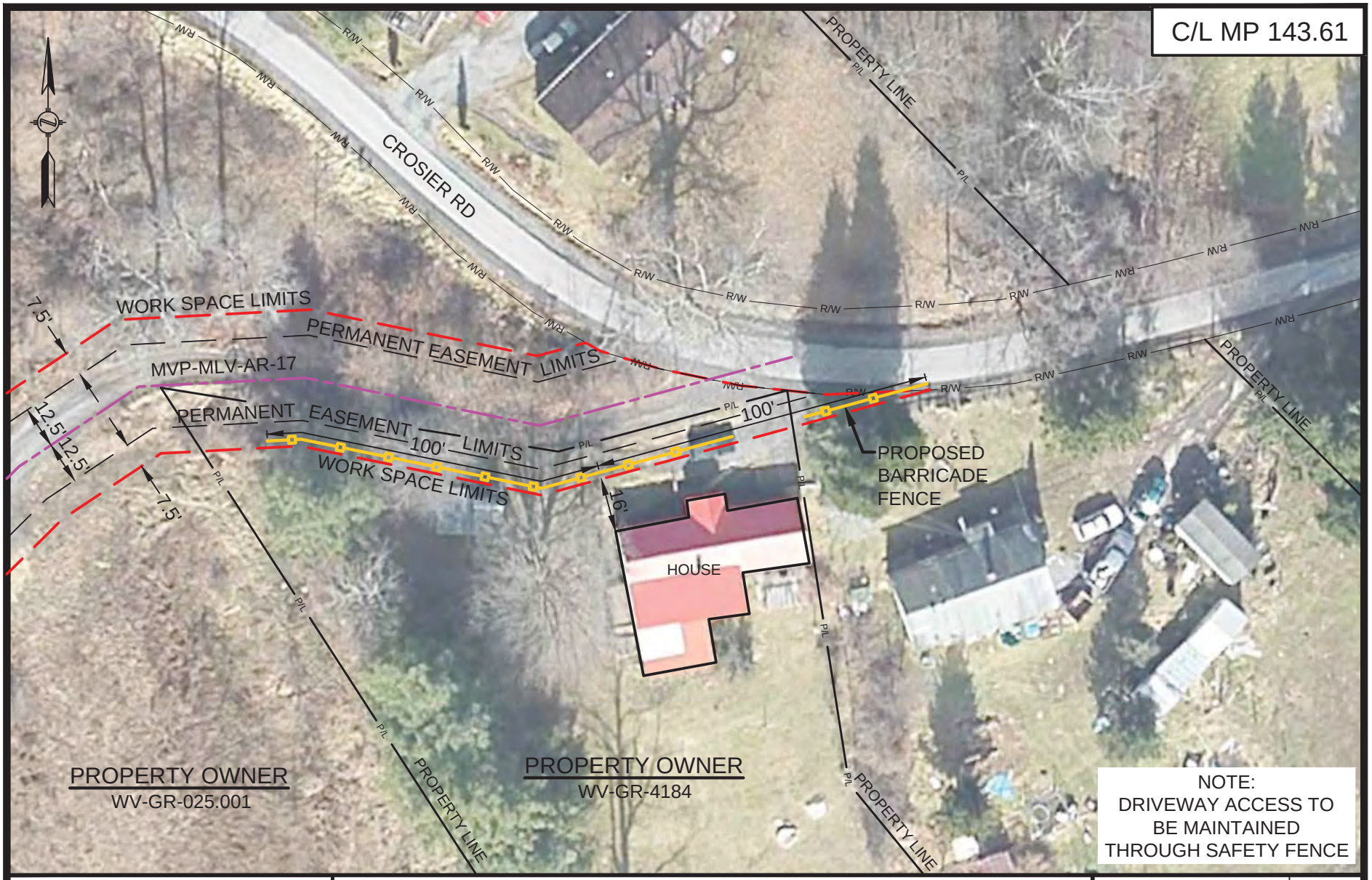

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-GRWV-H600-11	
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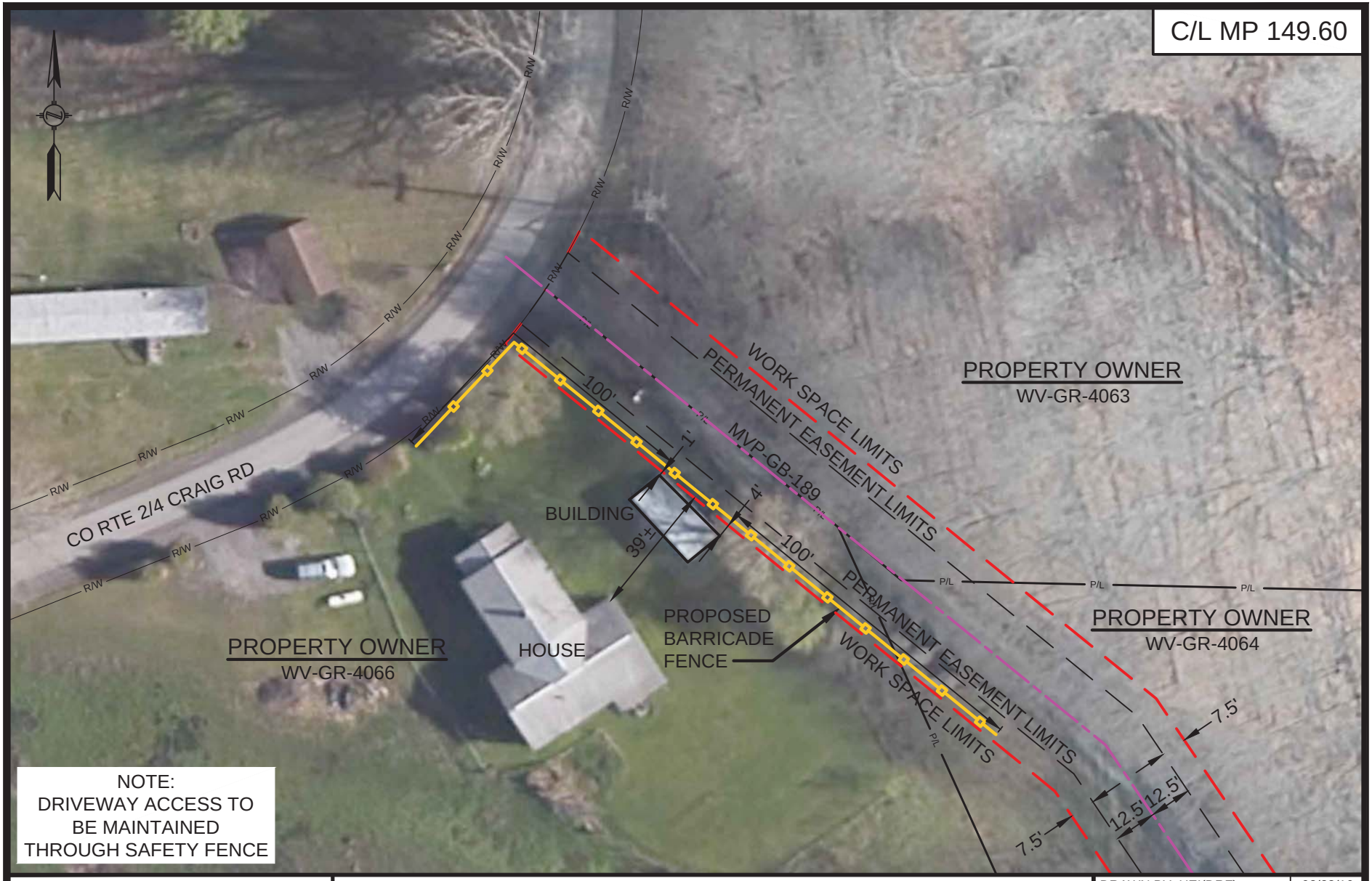

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-63	
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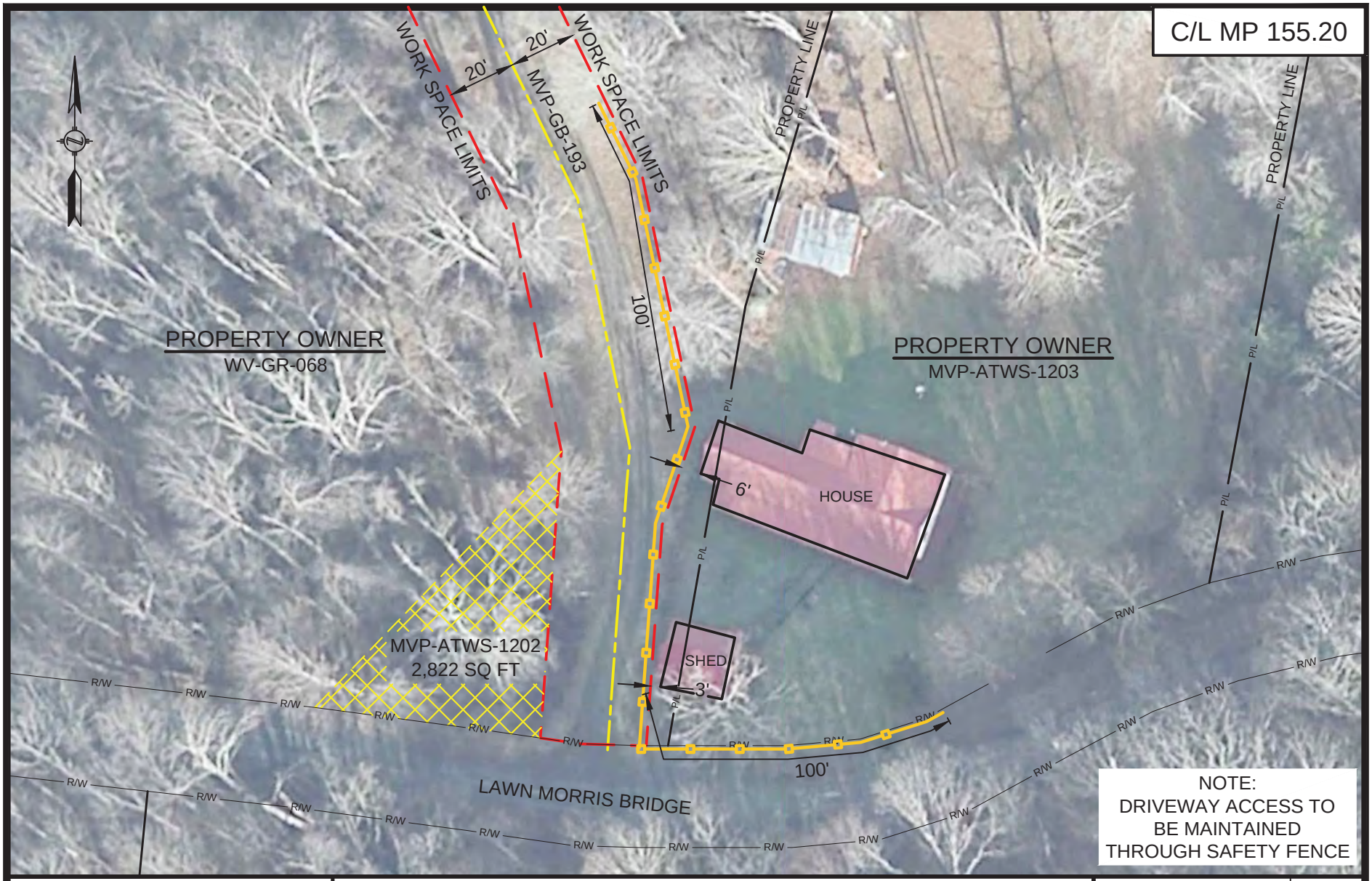
DATE OF PLOT: 4/18/2016 5:00 PM	



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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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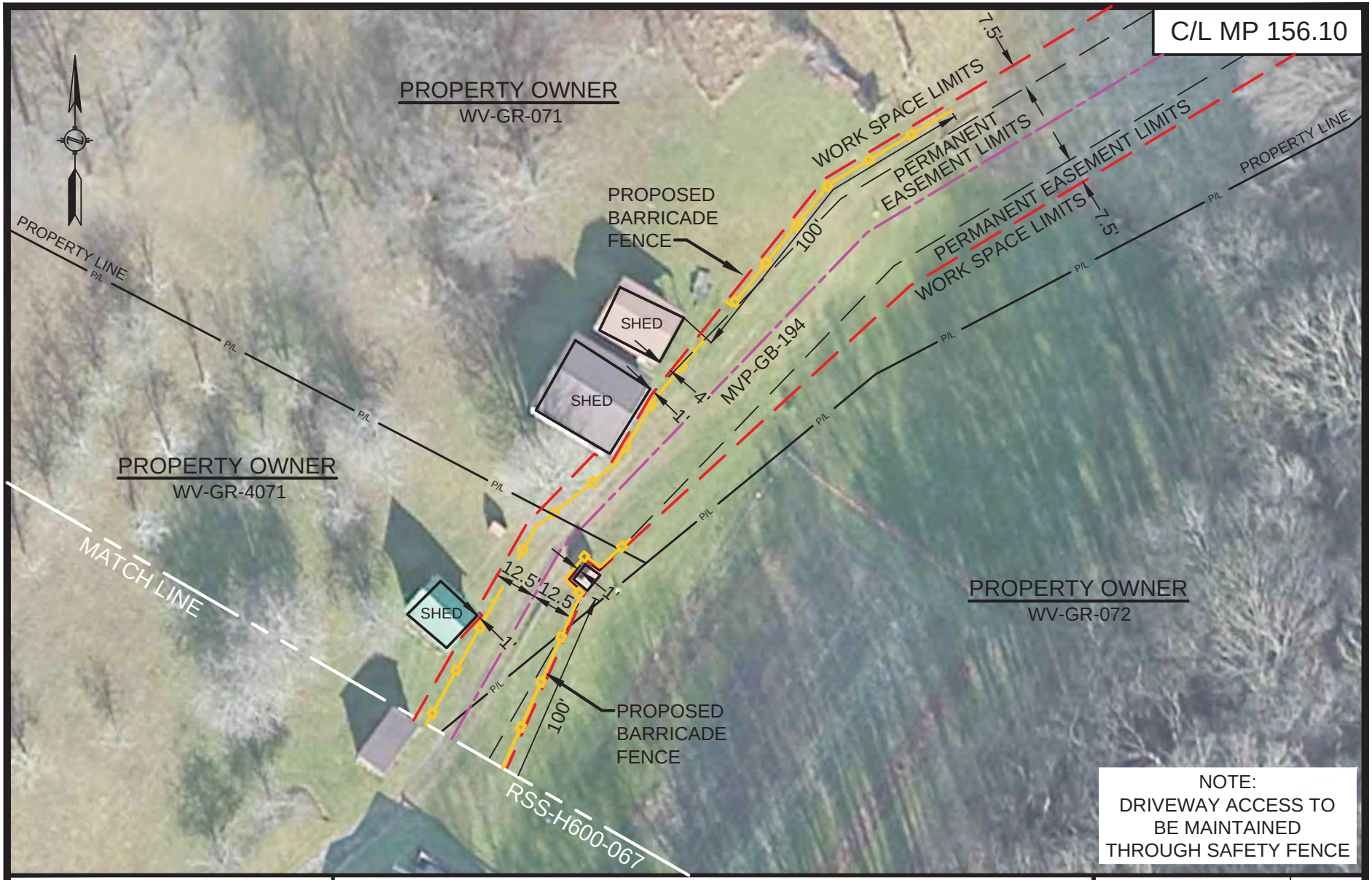

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Appendix H

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CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 2

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-63	
DRAWING NO.: **RSS-H600-066**	
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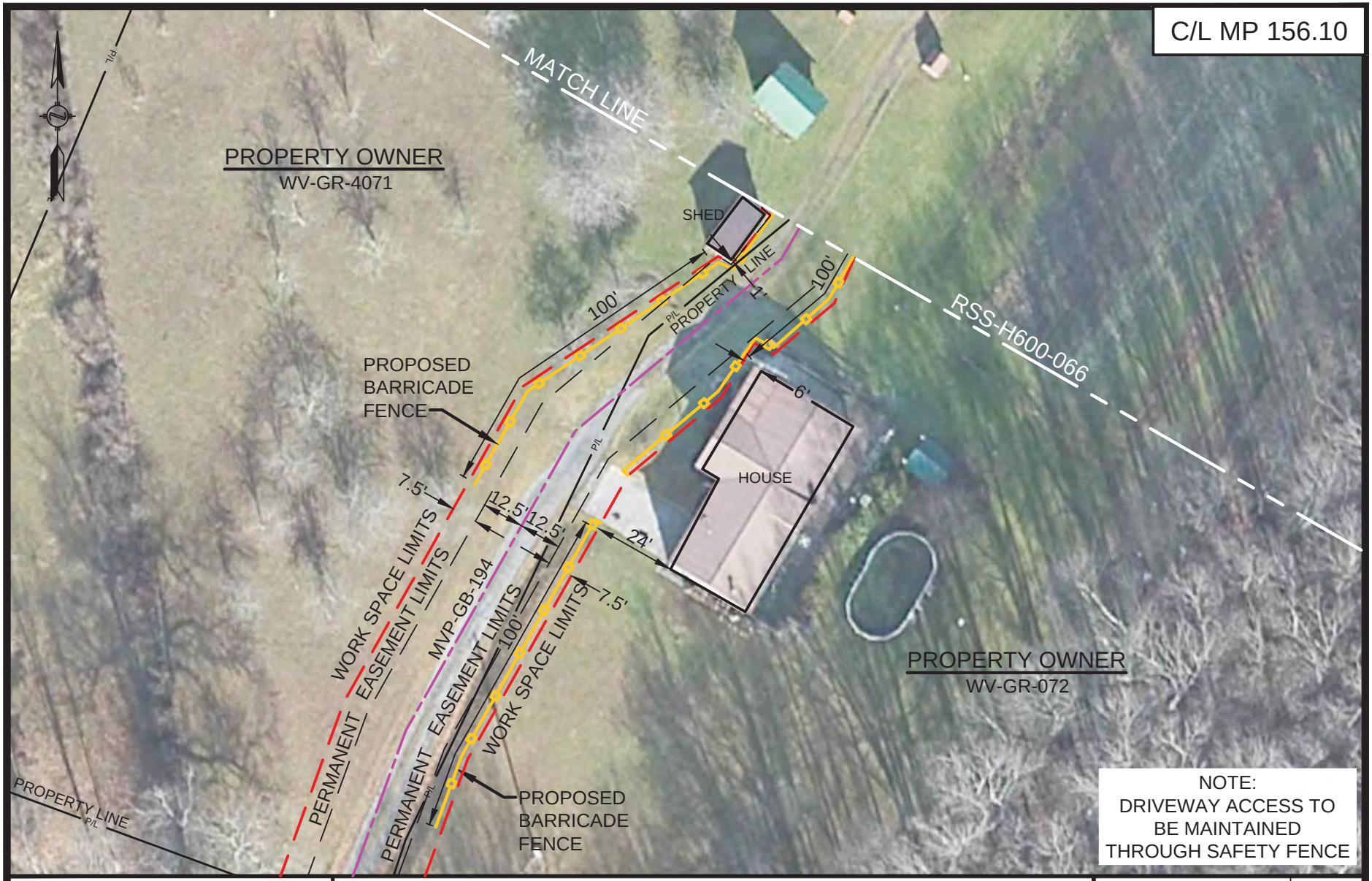

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 2 OF 2

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-63	
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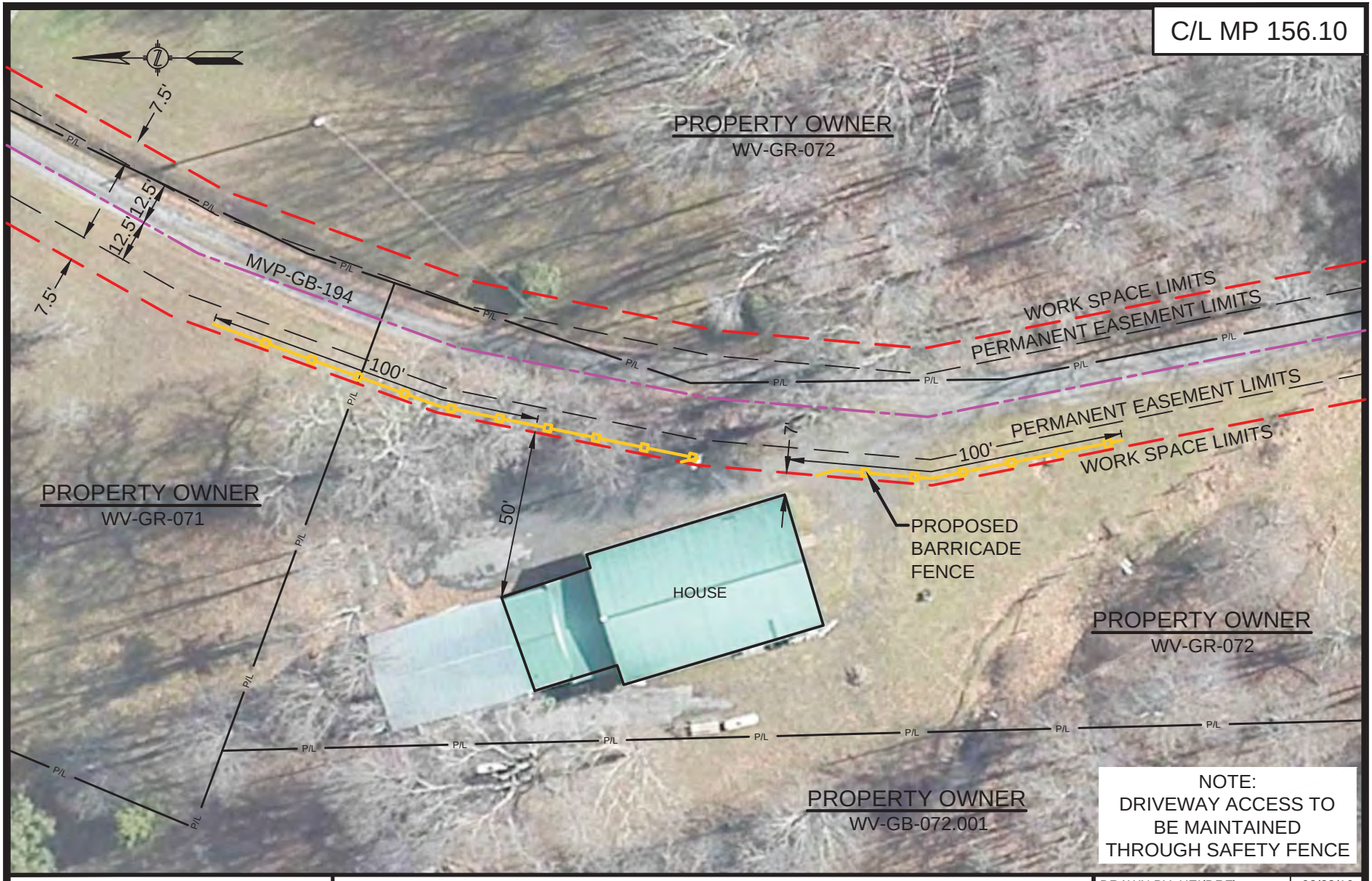

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-63	
DRAWING NO.: **RSS-H600-068**	
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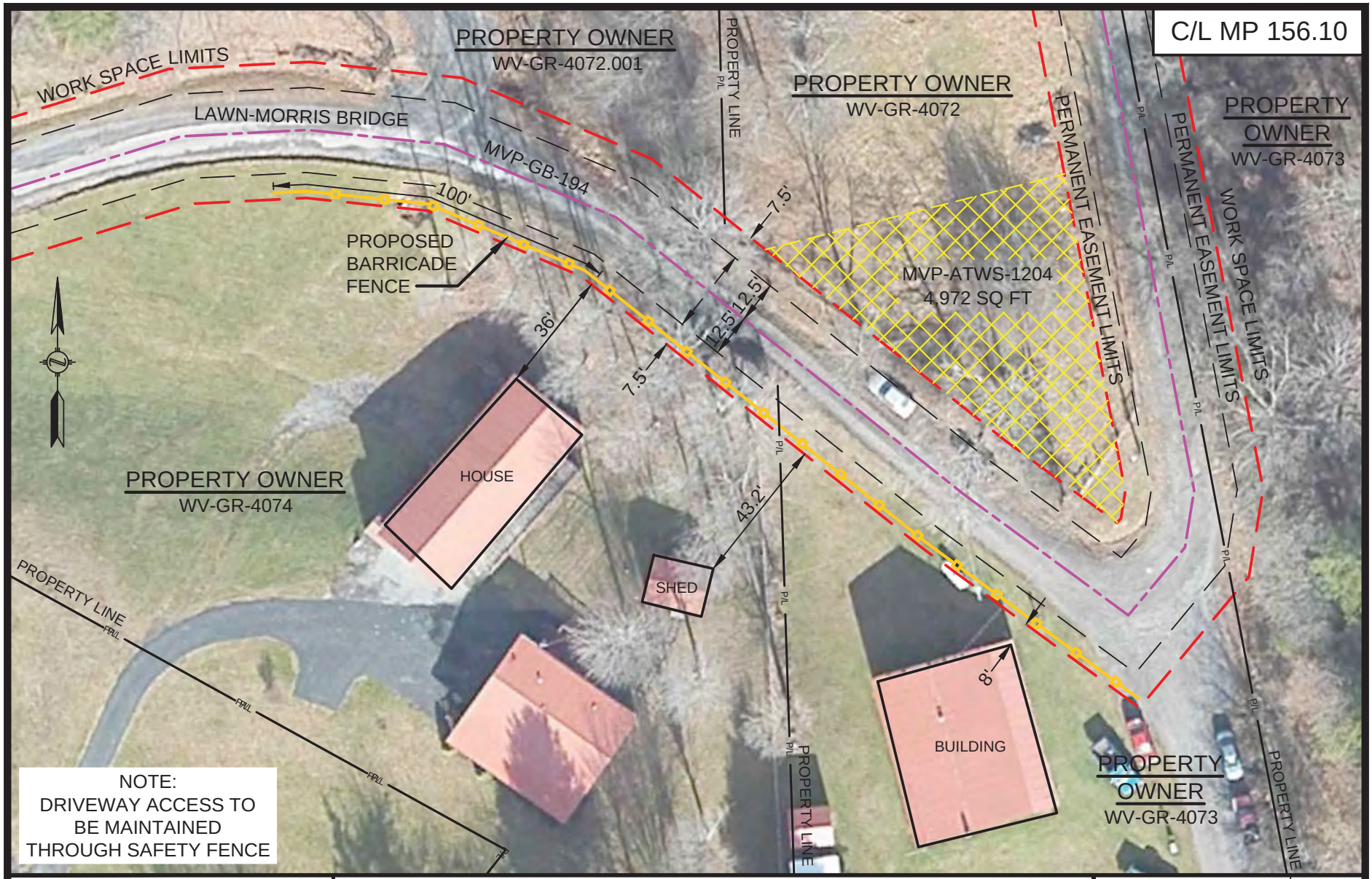

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CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
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ENGINEERING CK: .	.
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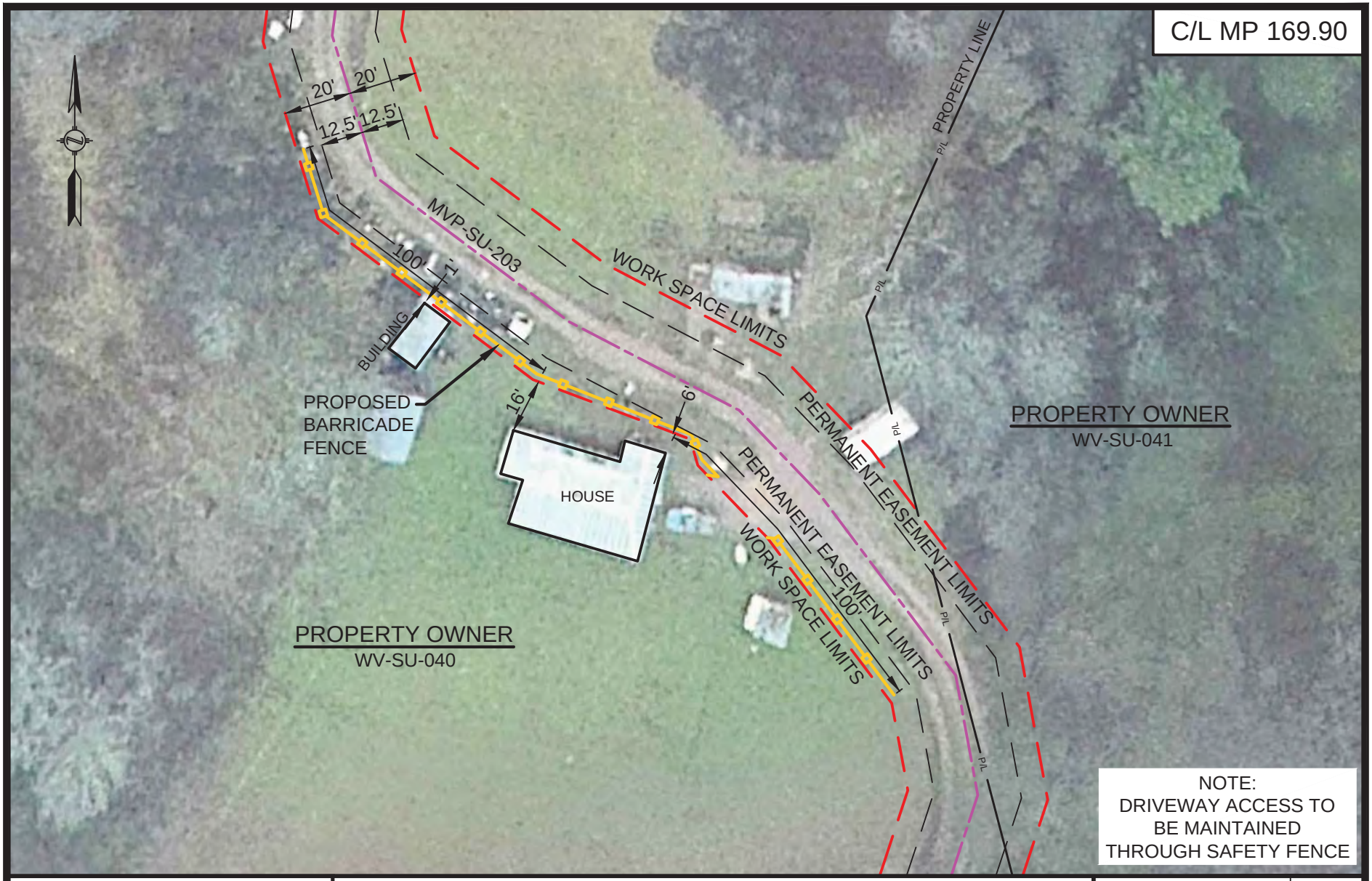

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Appendix H

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-67	
DRAWING NO.: **RSS-H600-070**	
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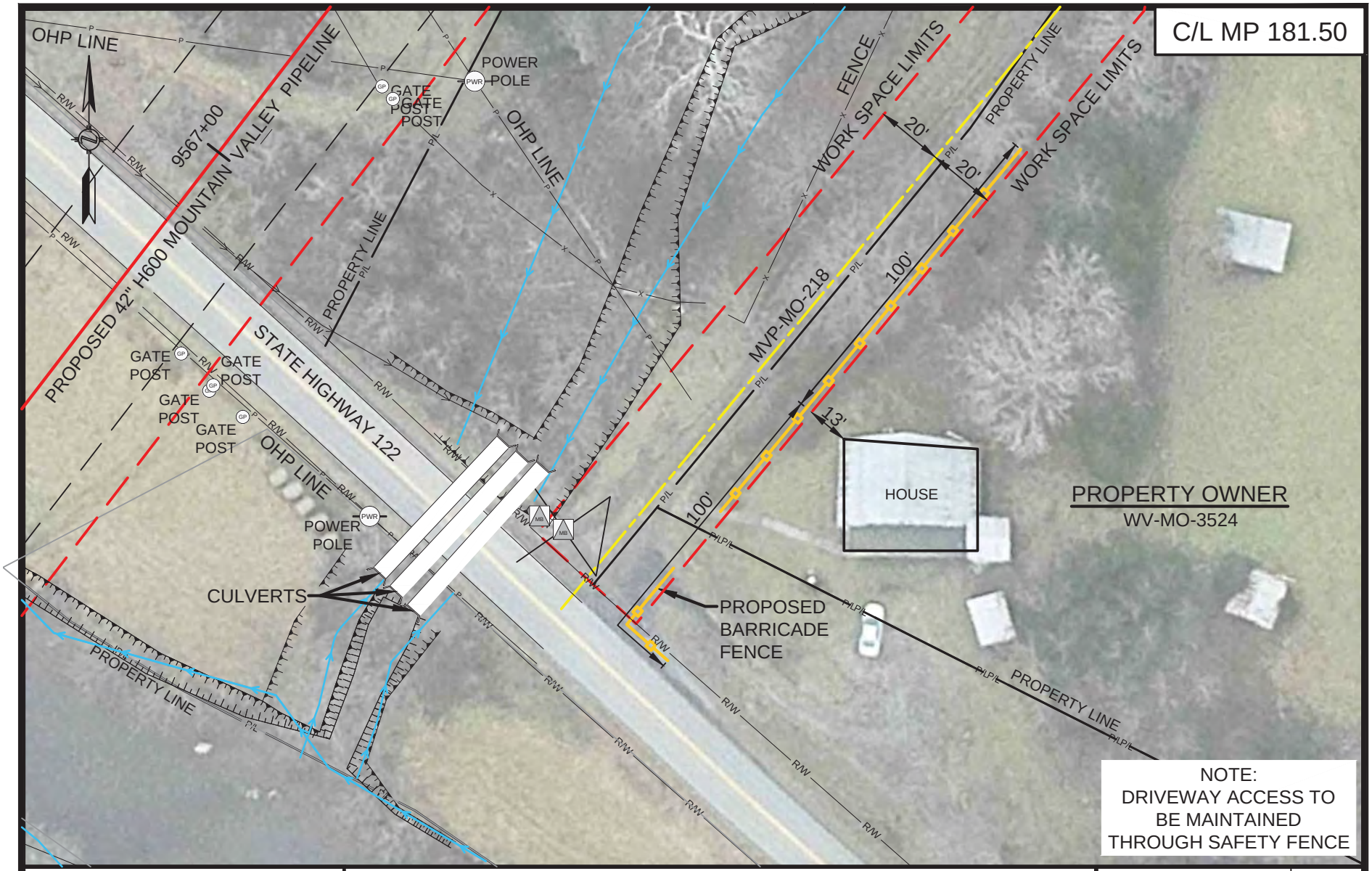

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONROE COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOWV-H600-09	
DRAWING NO.: **RSS-H600-073**	
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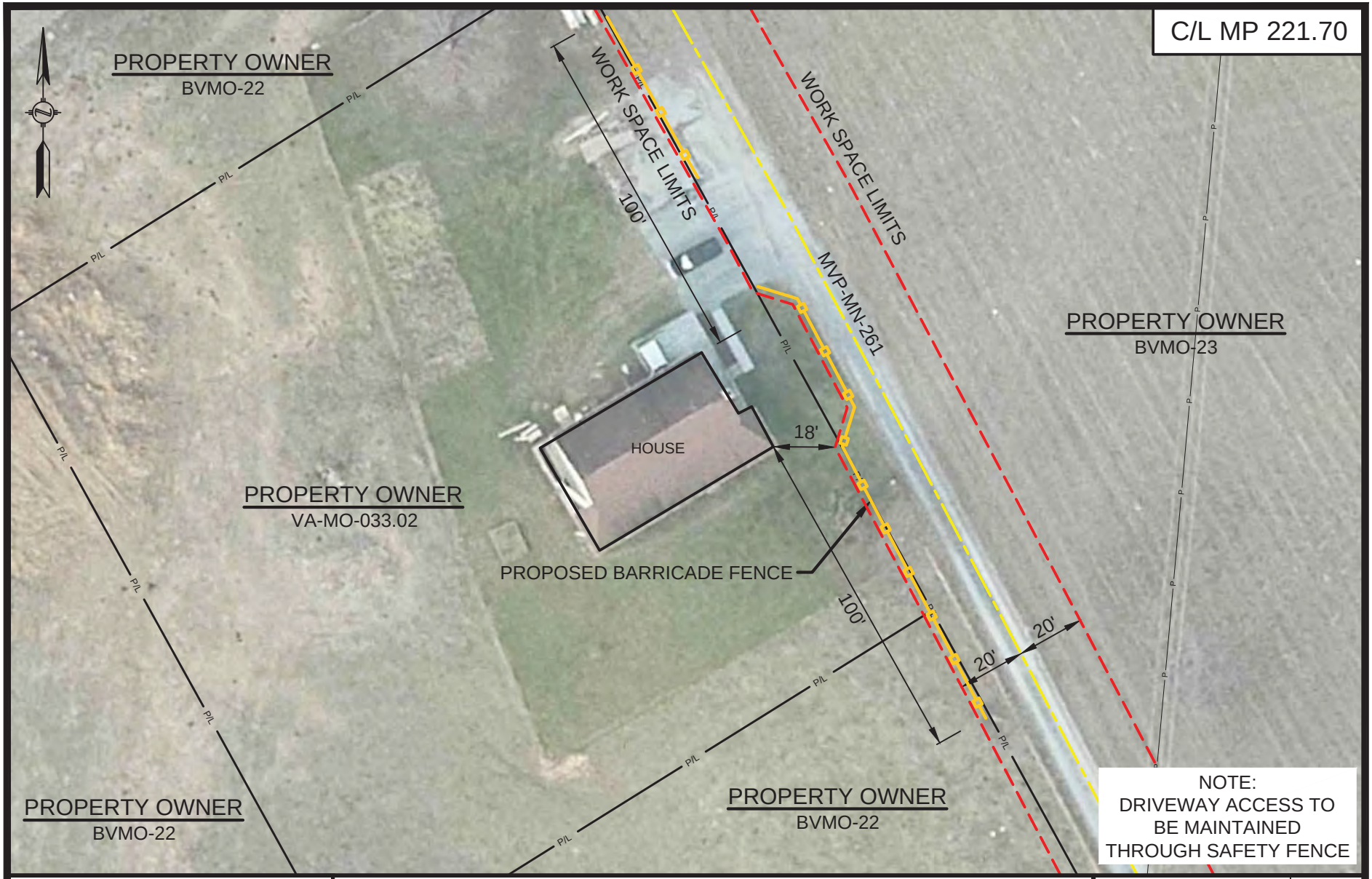

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-85	
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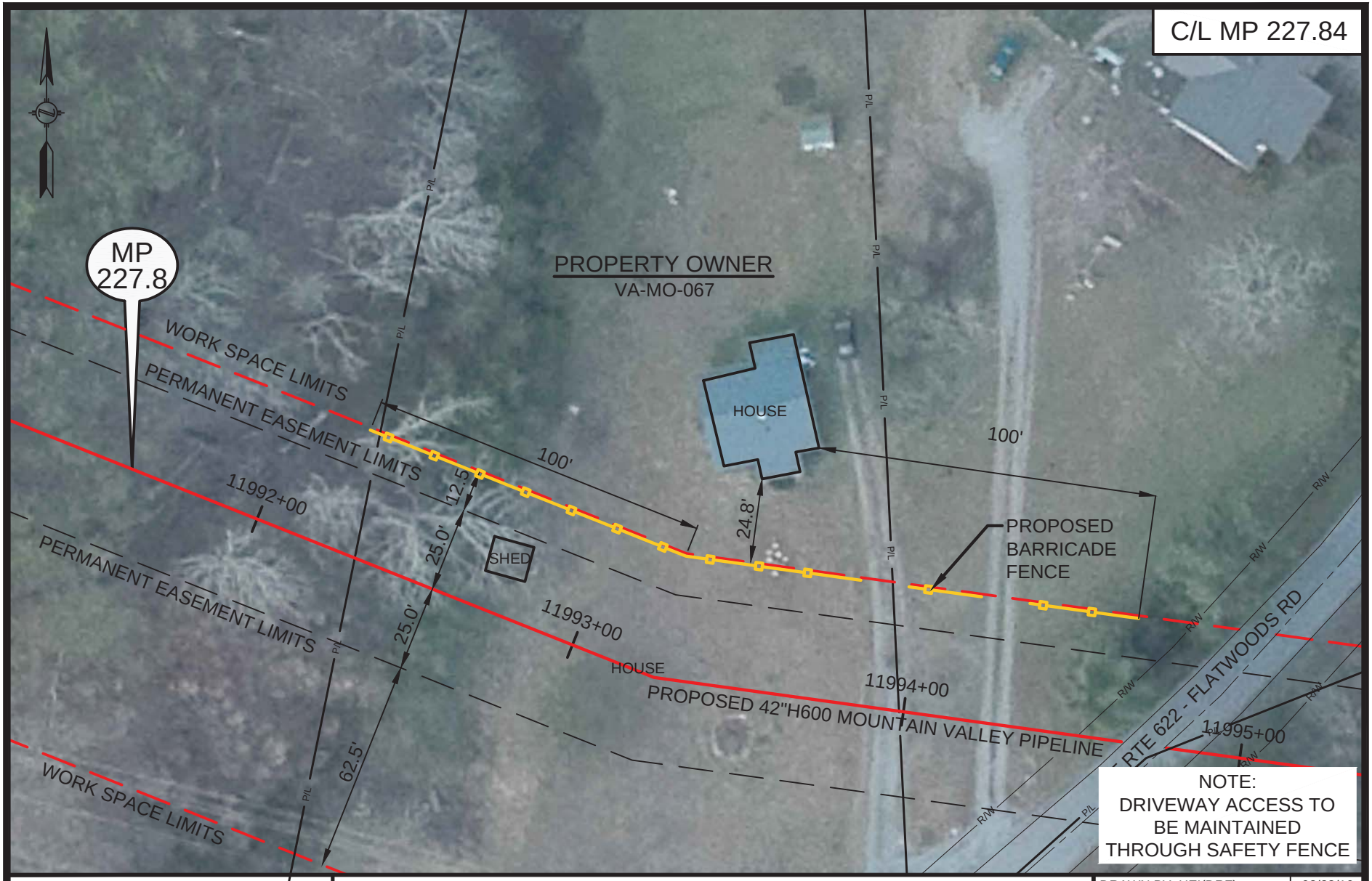

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOVA-H600-13	
DRAWING NO.: **RSS-H600-082**	
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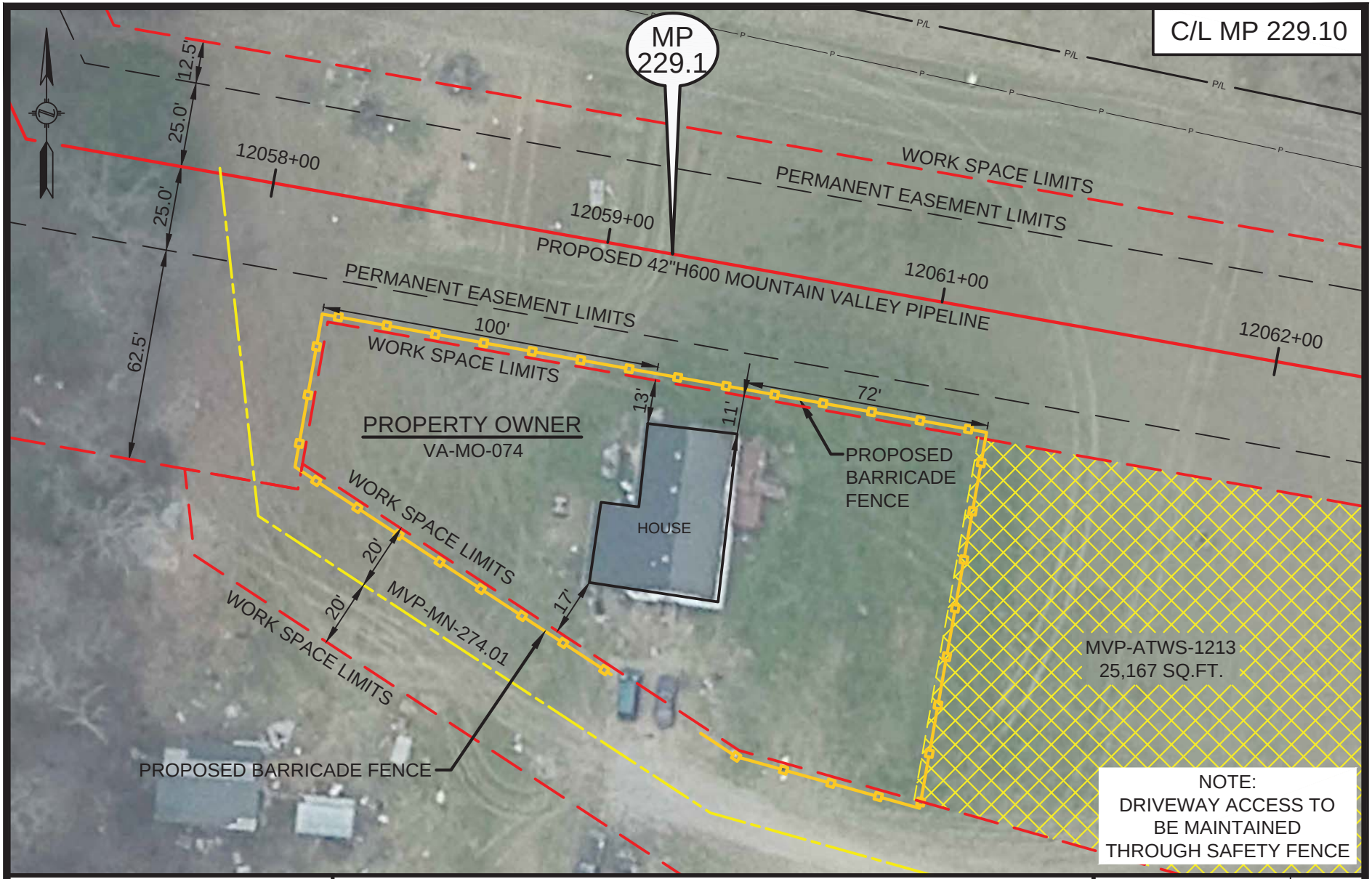

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOVA-H600-14	
DRAWING NO.: **RSS-H600-083**	
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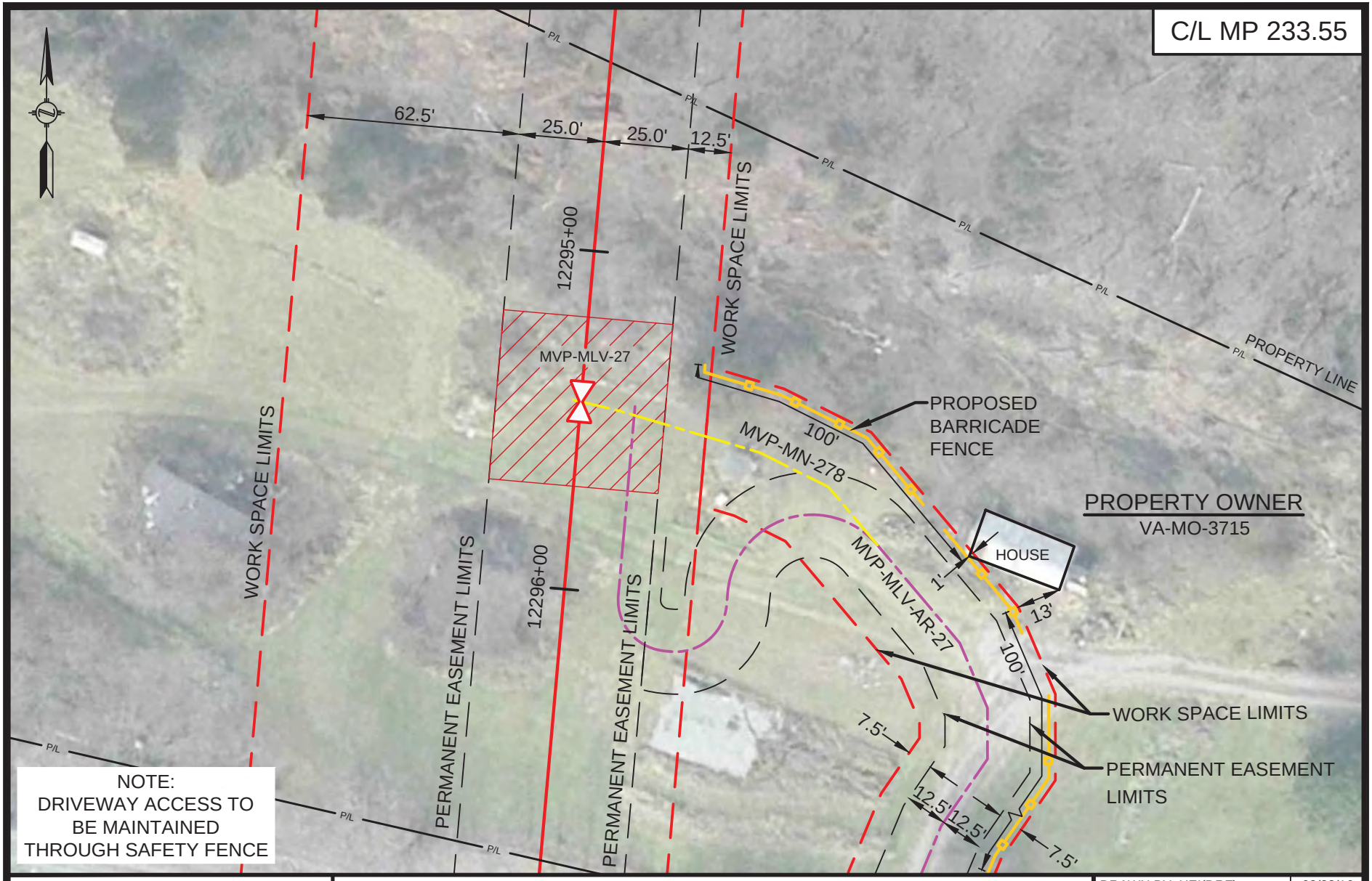

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOVA-H600-19	
DRAWING NO.: **RSS-H600-084**	
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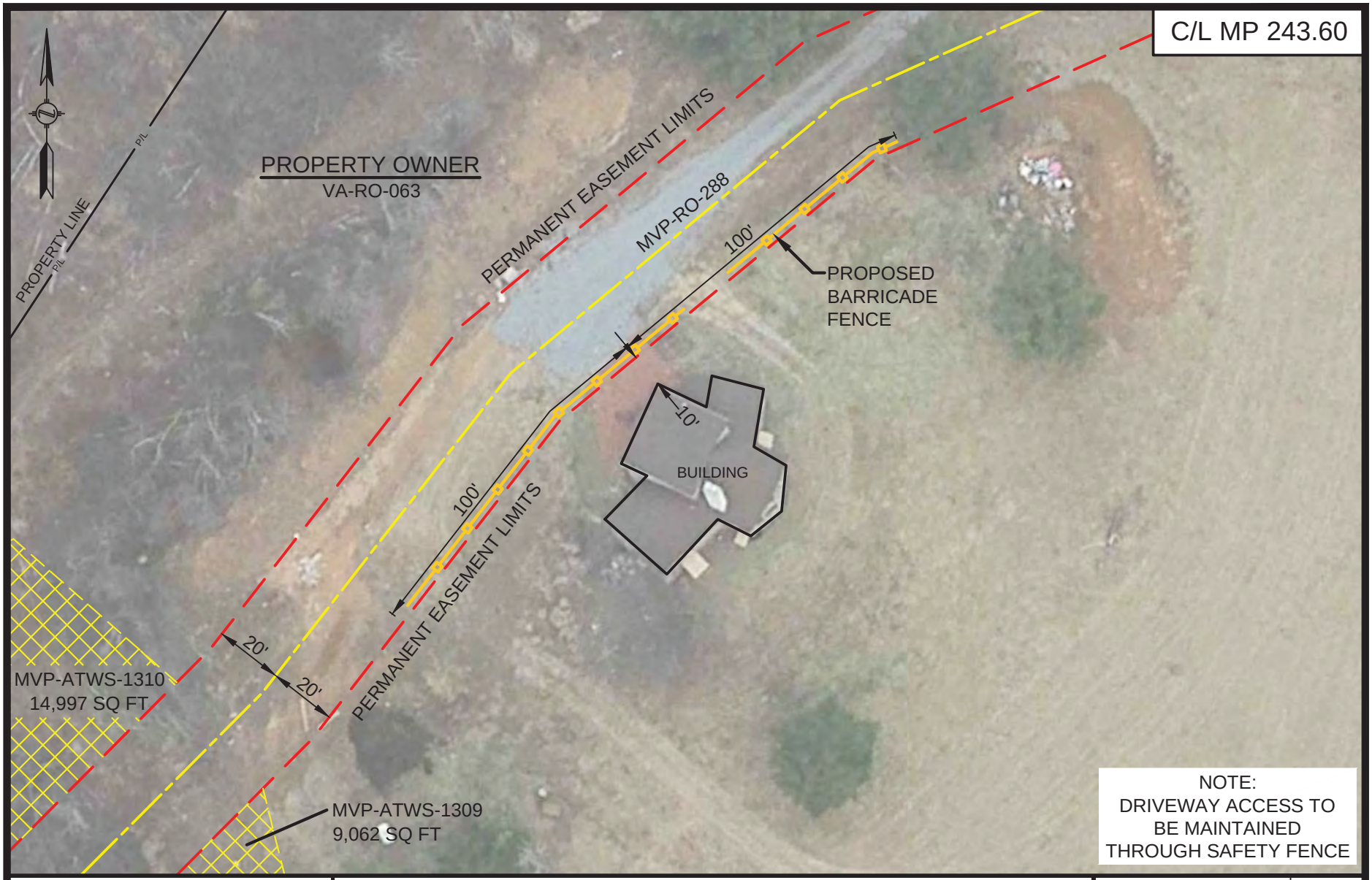

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
ROANOKE COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-ROVA-H600-08	
DRAWING NO.: **RSS-H600-085**	
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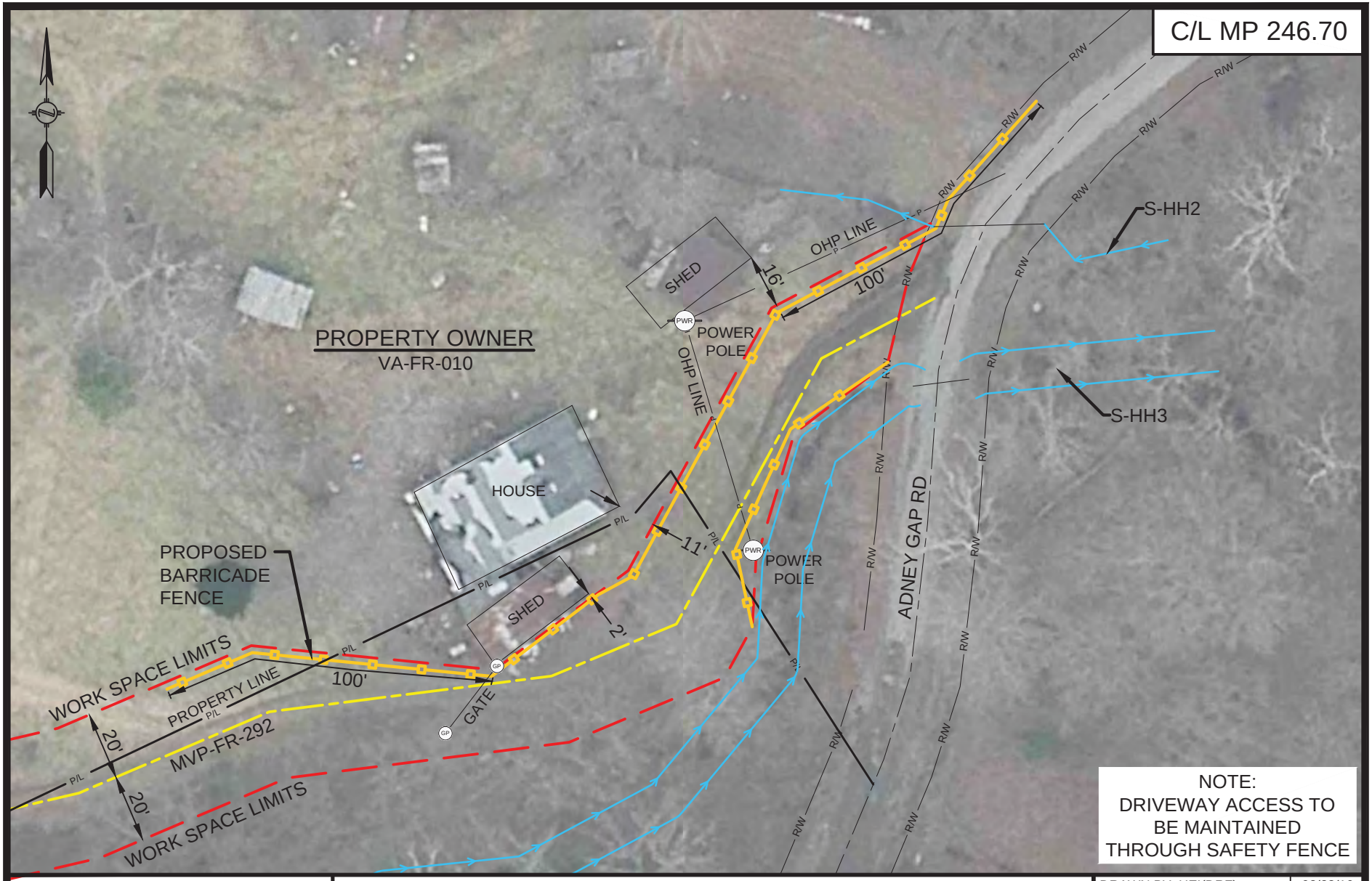

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-03	
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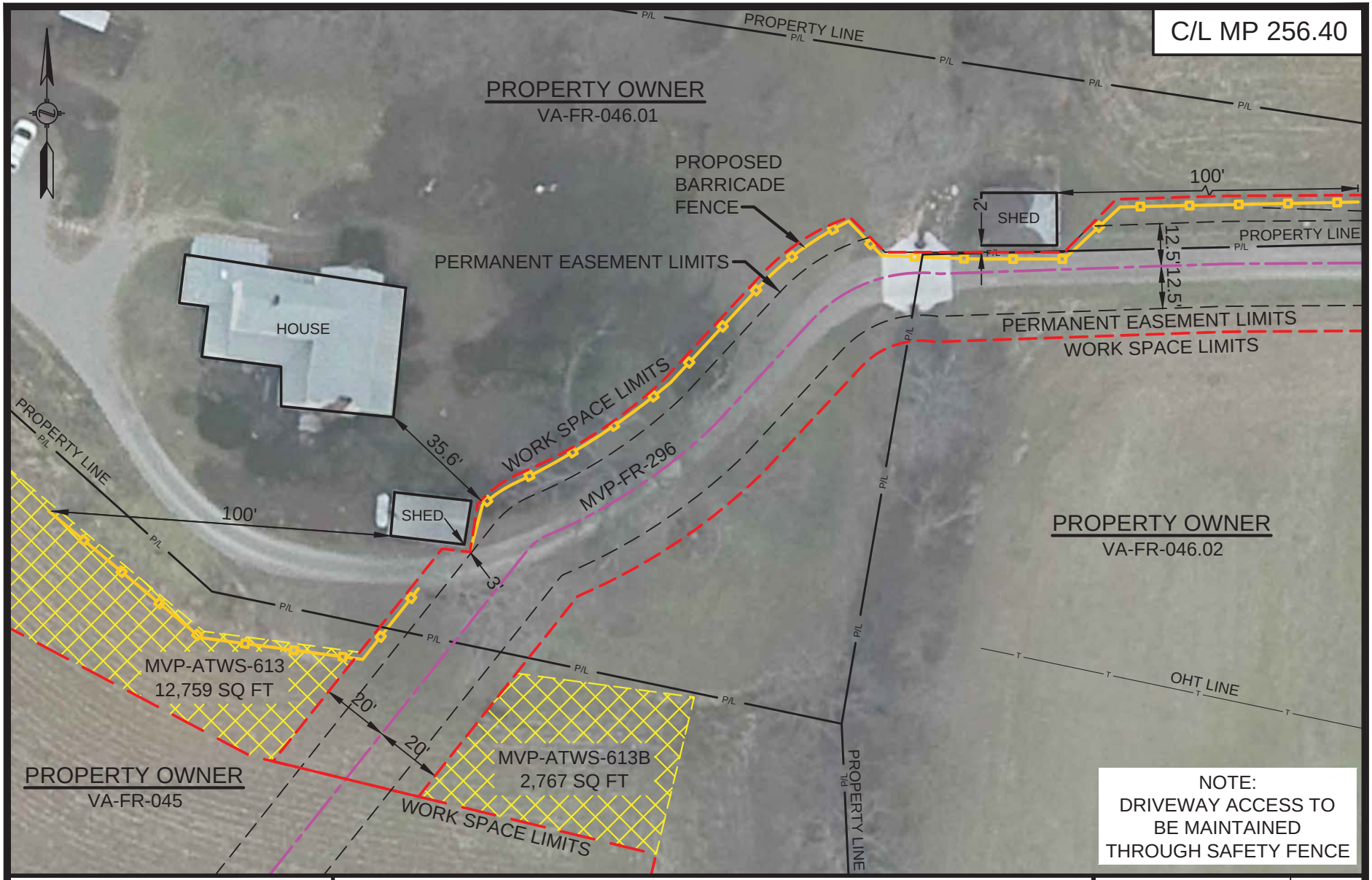

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-13	
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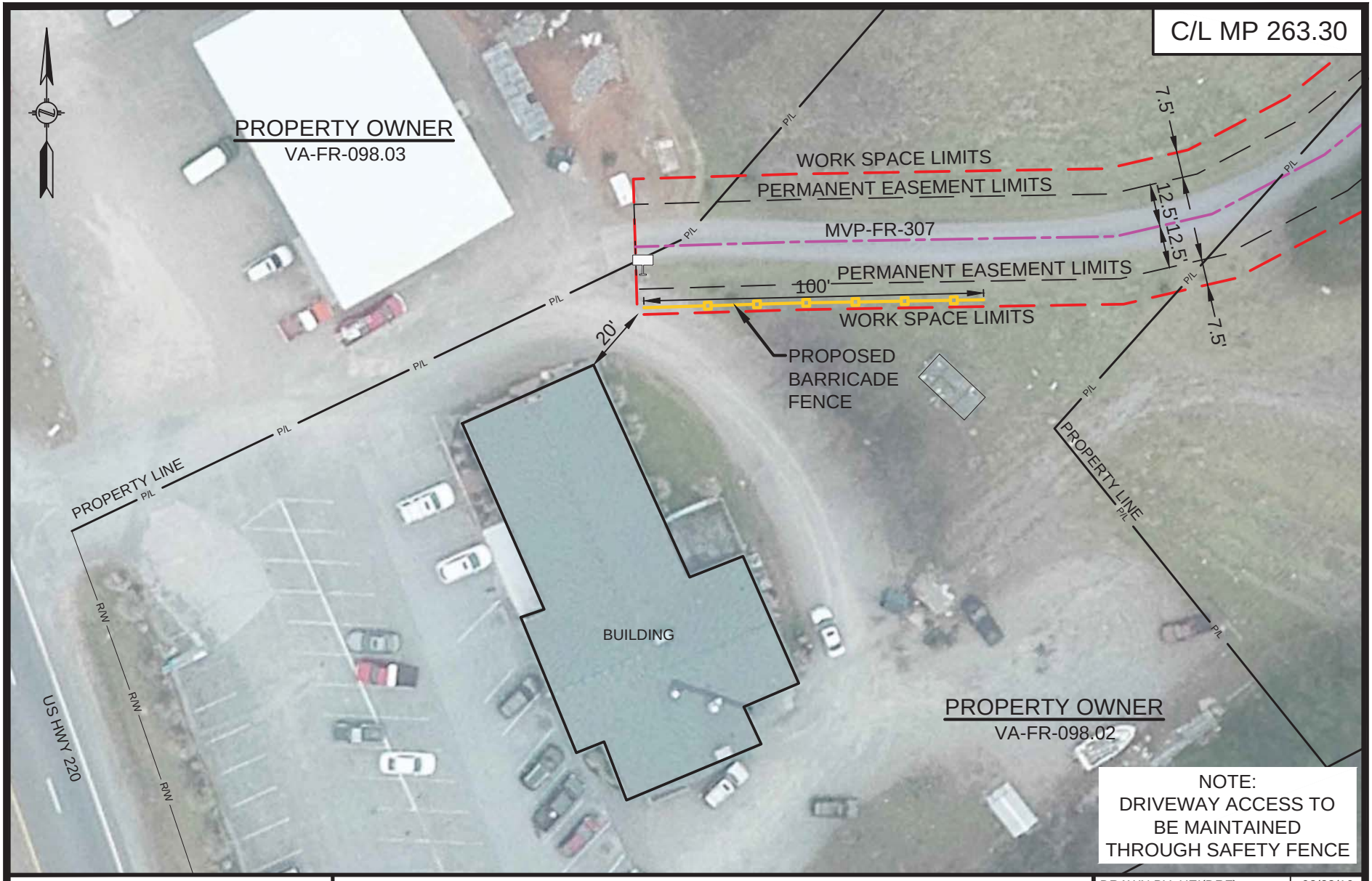

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-20	
DRAWING NO.: **RSS-H600-089**	
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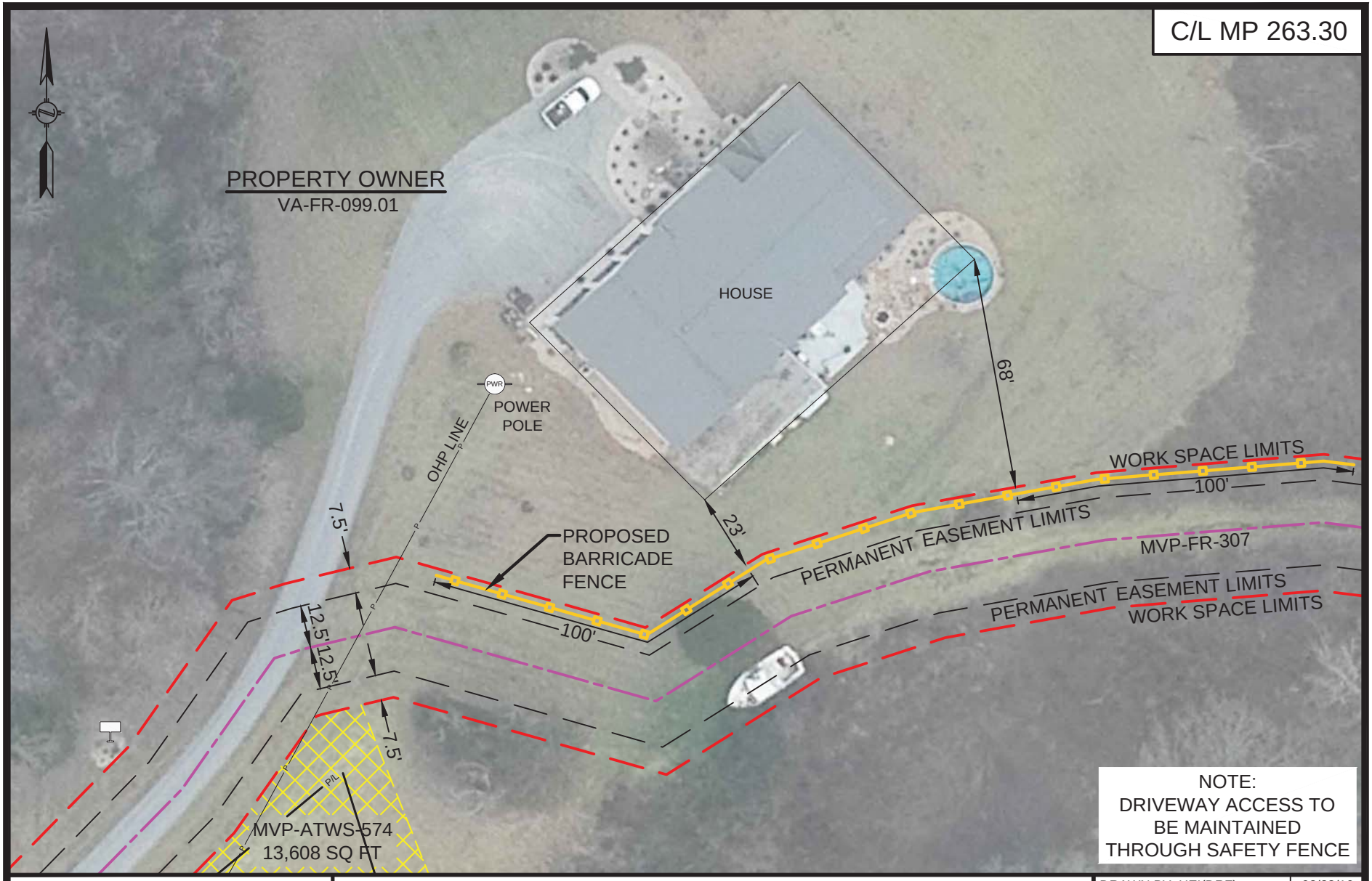

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-20	
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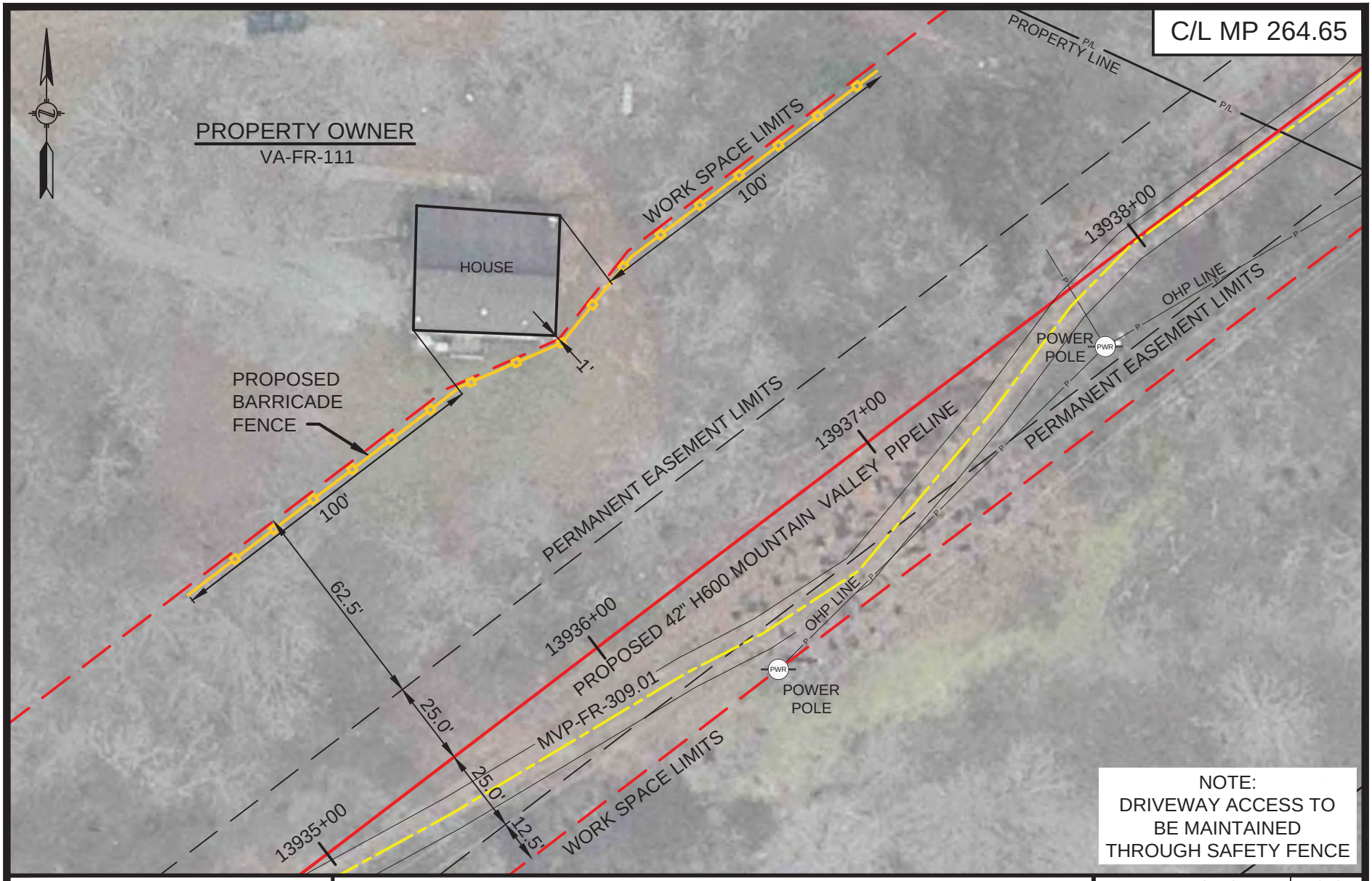

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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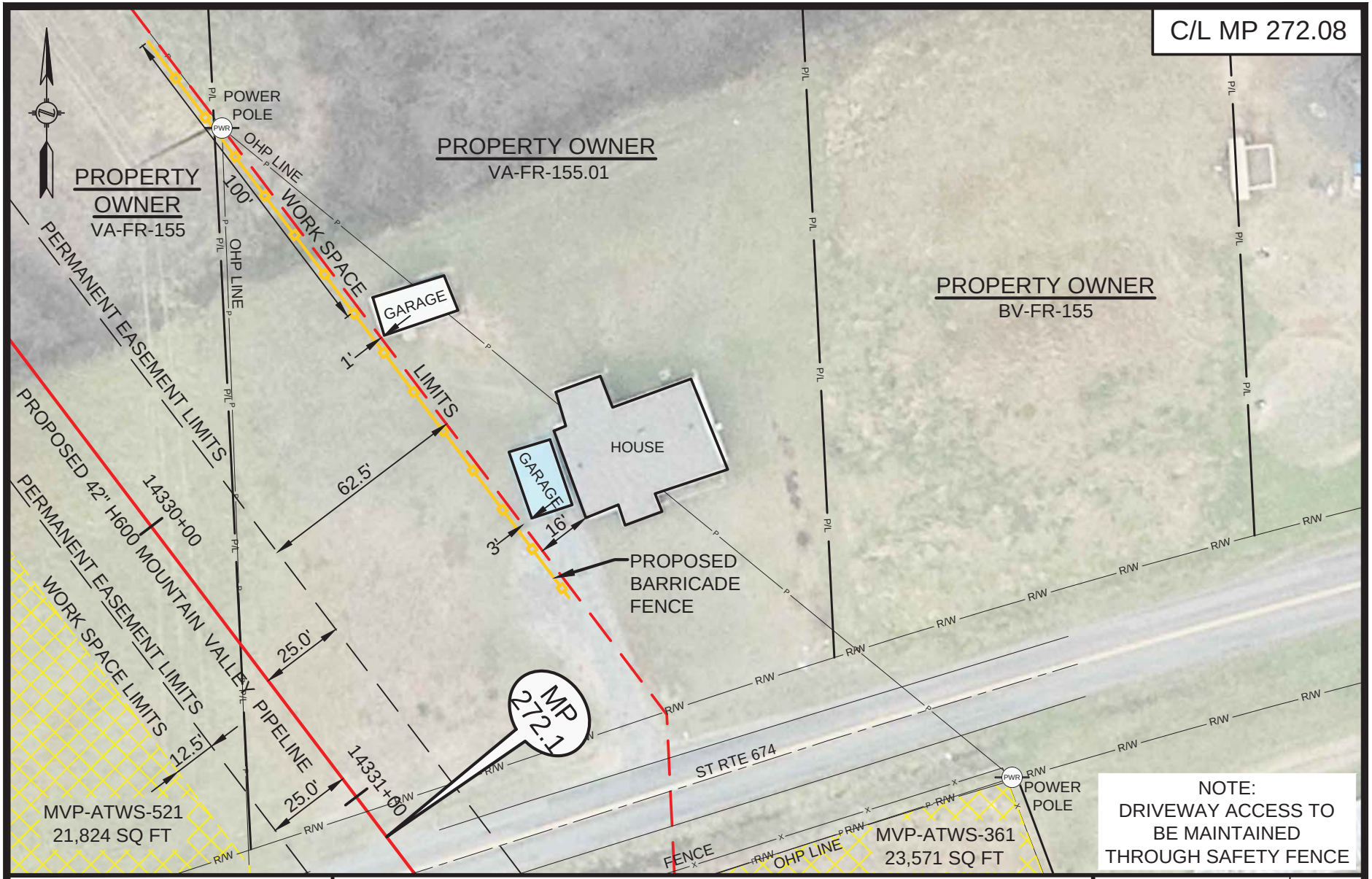

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-29	
DRAWING NO.: **RSS-H600-094**	
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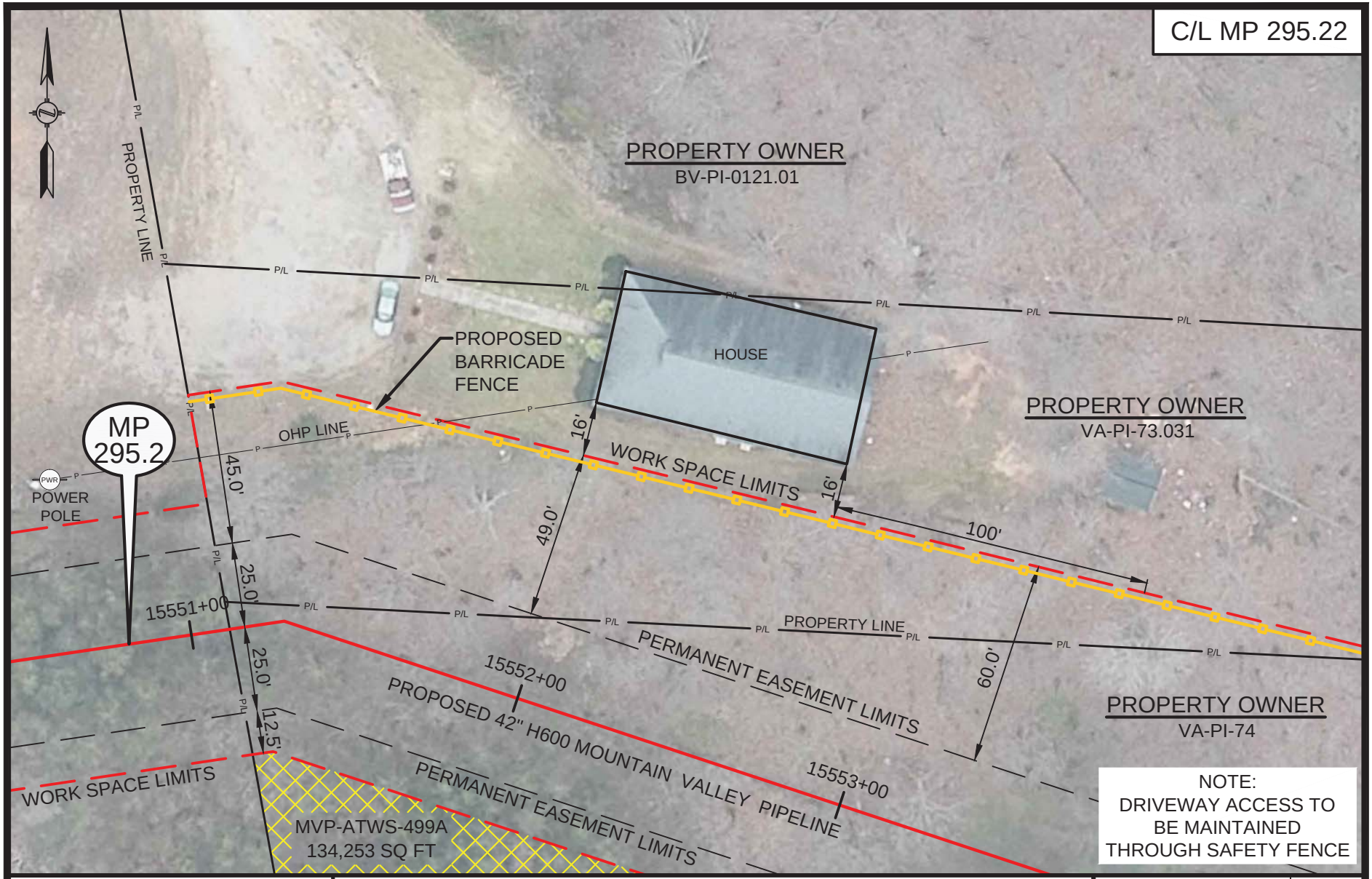

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
PITTSYLVANIA COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-VAPI-H600-14	
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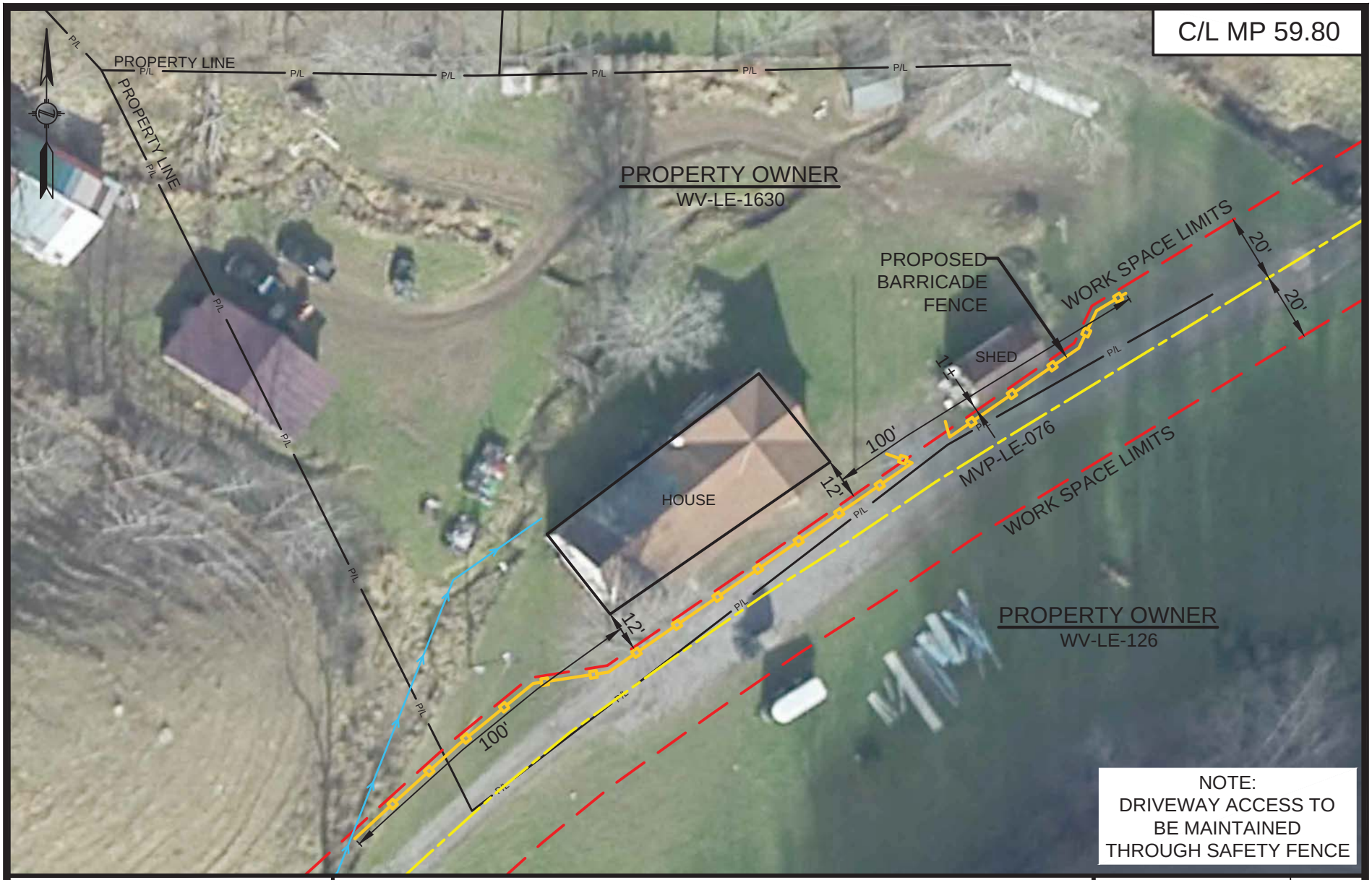

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-AQAR-H600-20	
DRAWING NO.: **RSS-H600-098**	
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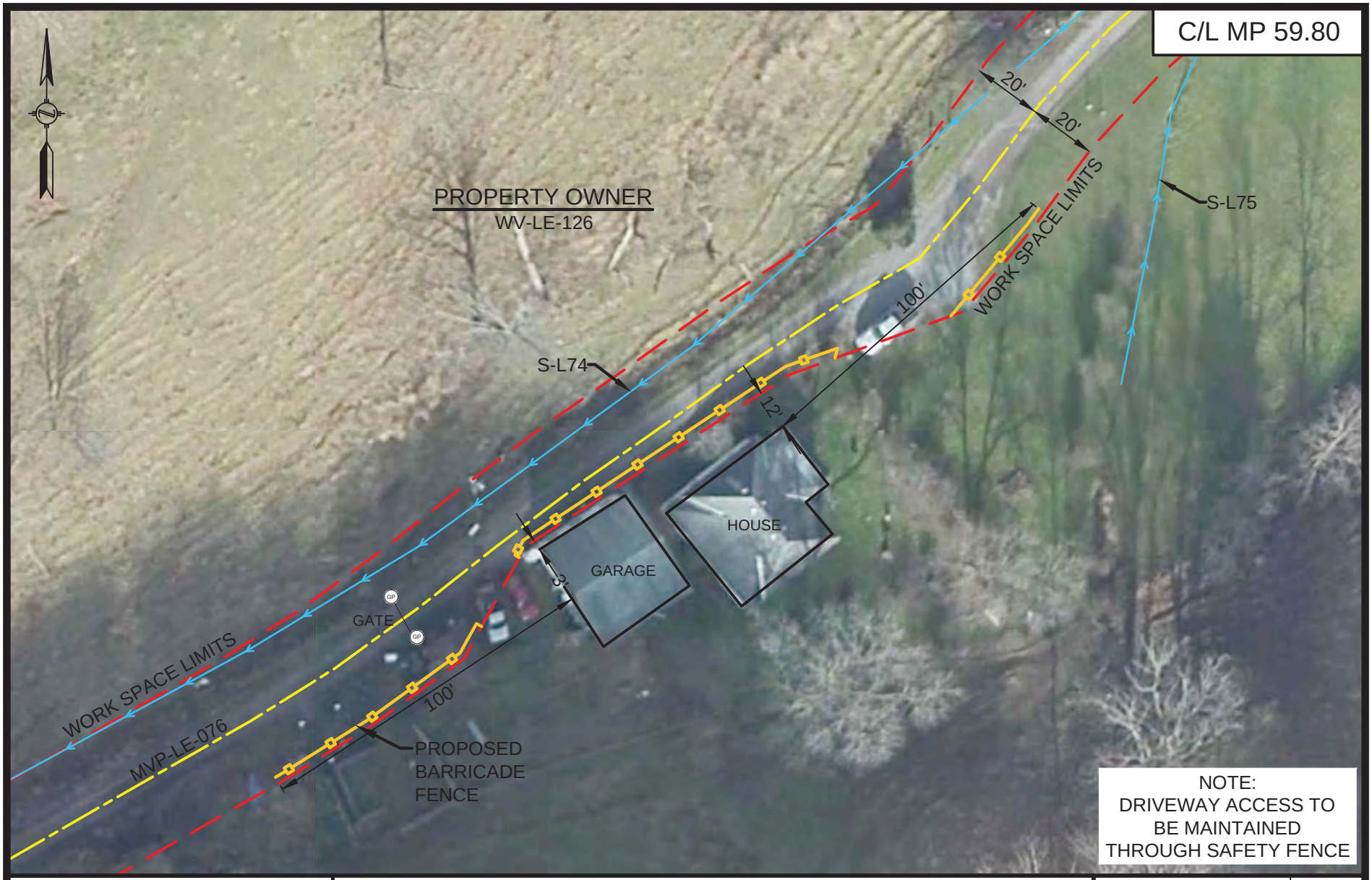

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-AQAR-H600-20	
DRAWING NO.: **RSS-H600-099**	
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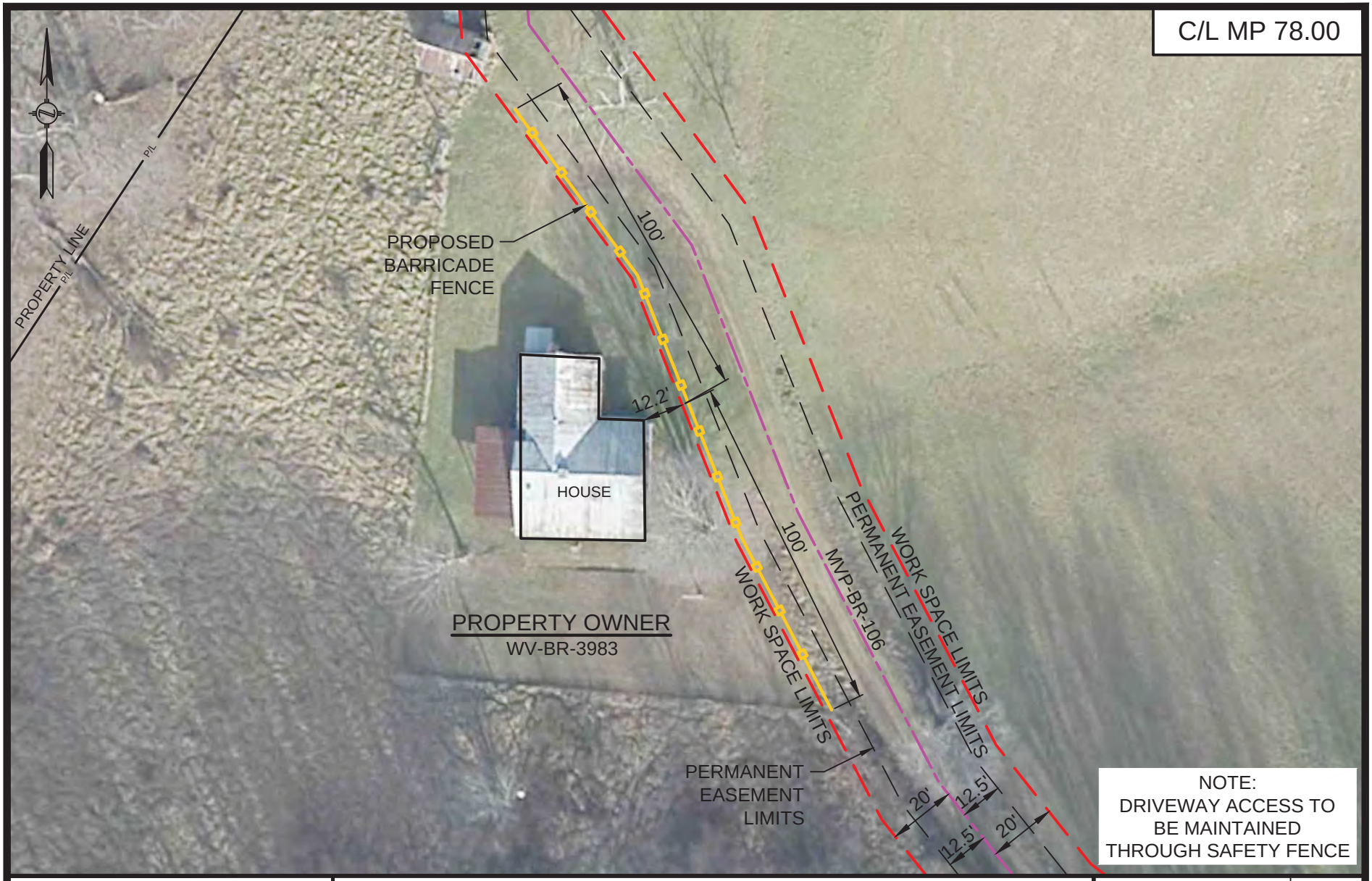
DATE OF PLOT: 4/18/2016 5:04 PM	



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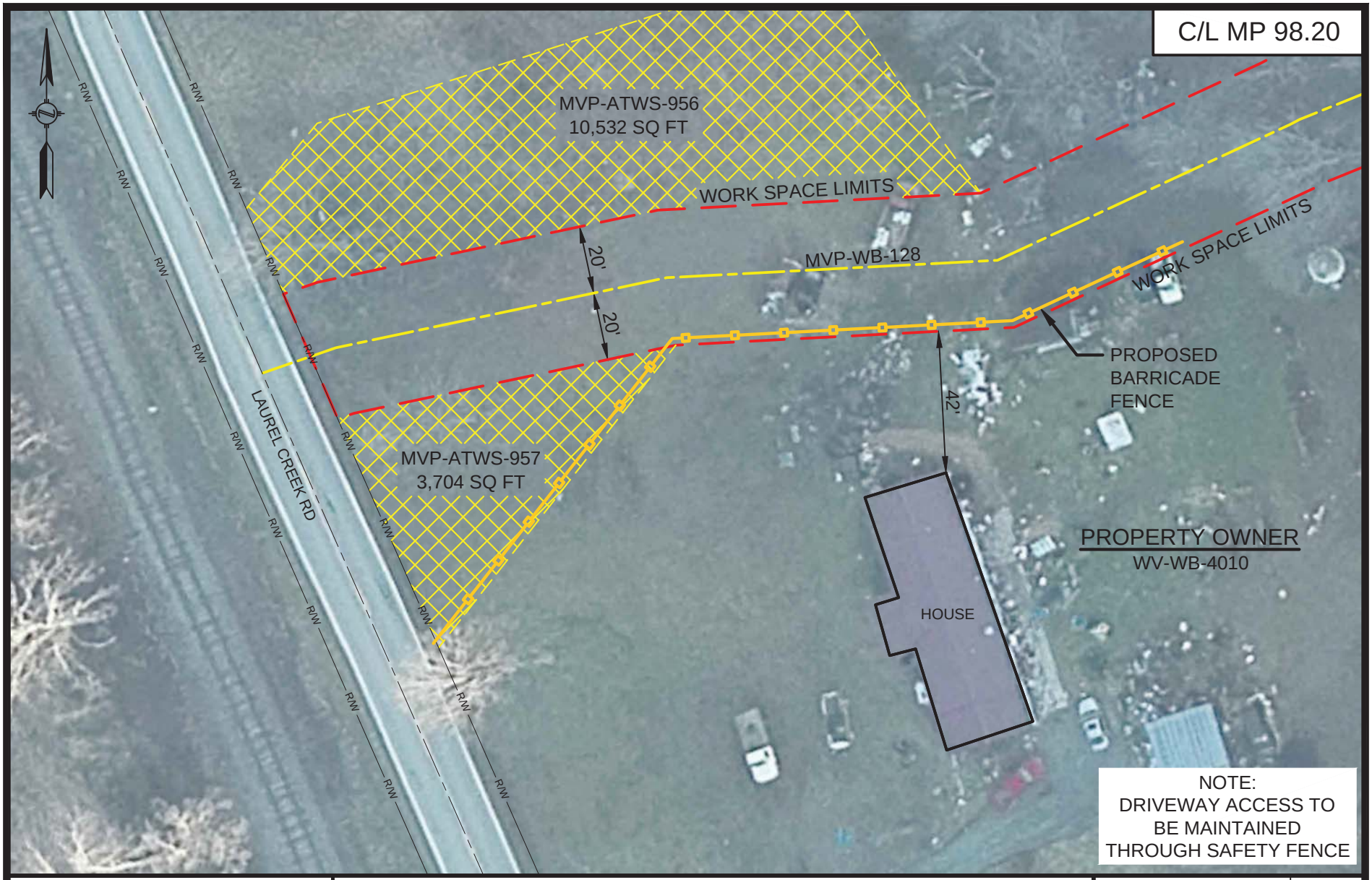
Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
BRAXTON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-AQAR-H600-28	
DRAWING NO.: **RSS-H600-101**	
SCALE: 1" = 40'	REV. 1
DATE OF PLOT: 4/18/2016 5:04 PM	



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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WEBSTER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	02/23/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-AQAR-H600-41	
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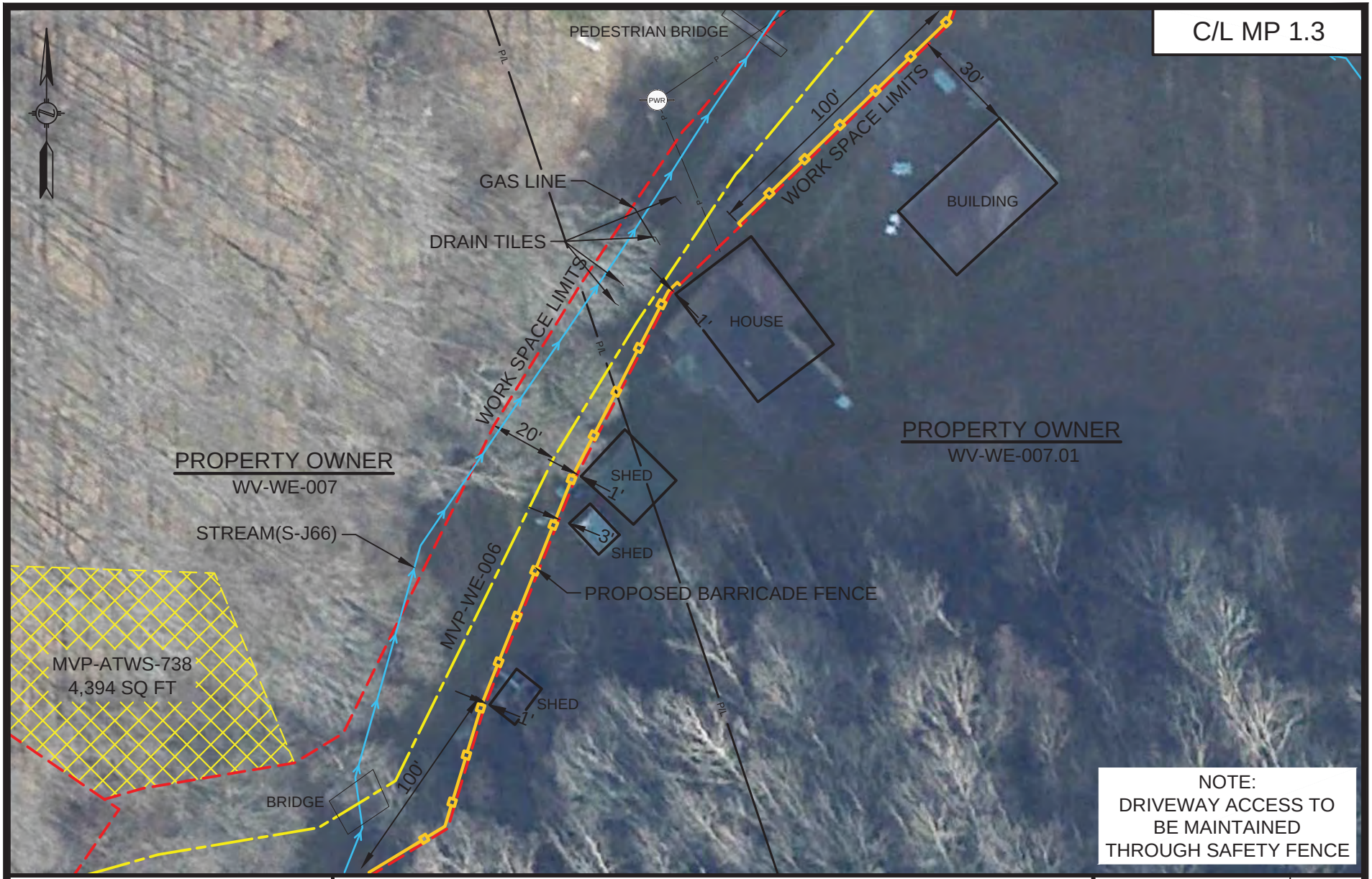

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WETZEL COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(DRF)	03/28/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-ADAR-H600-01	
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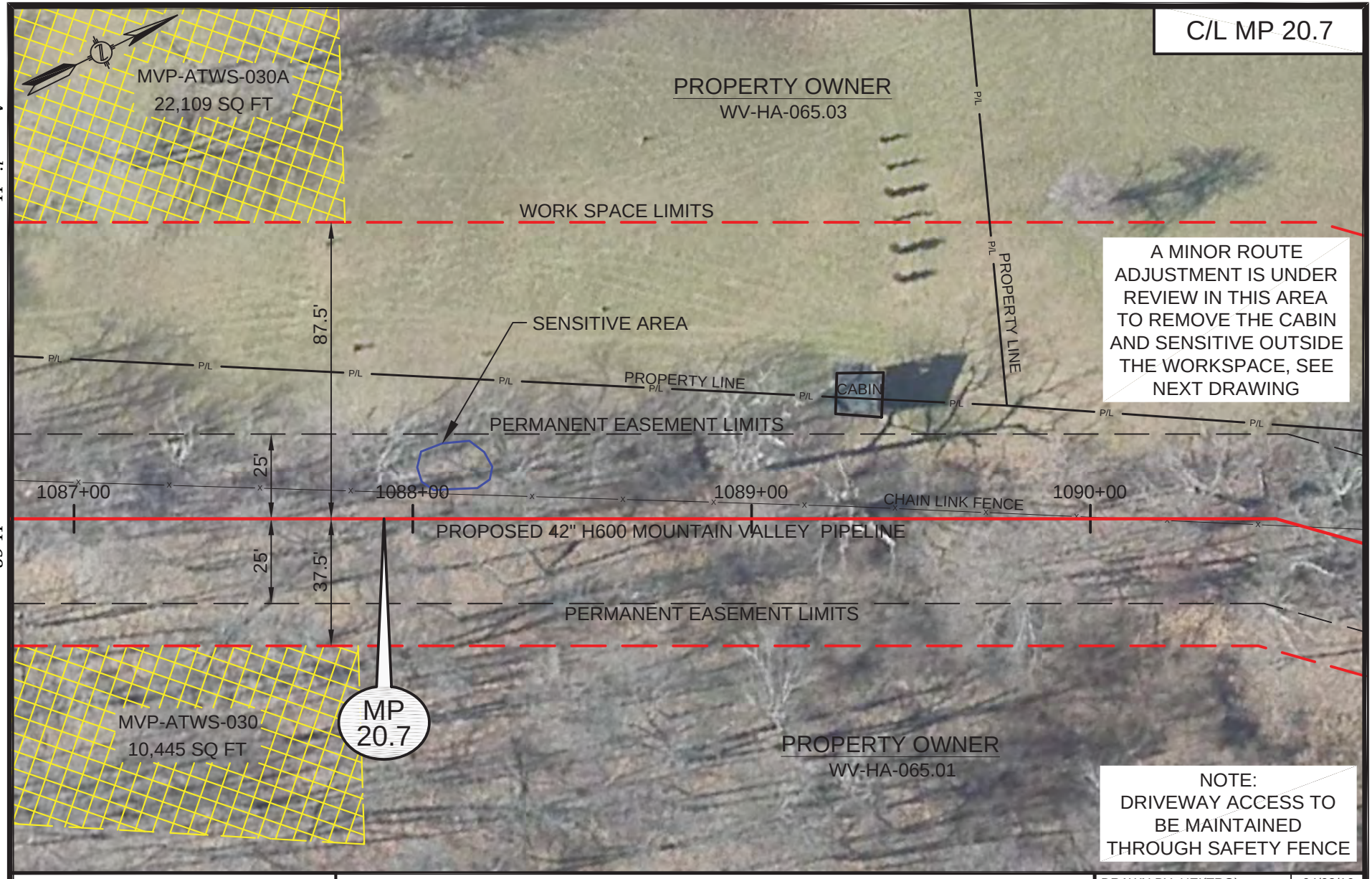

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/08/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-HAWV-H600-12	
DRAWING NO.: **RSS-H600-107**	
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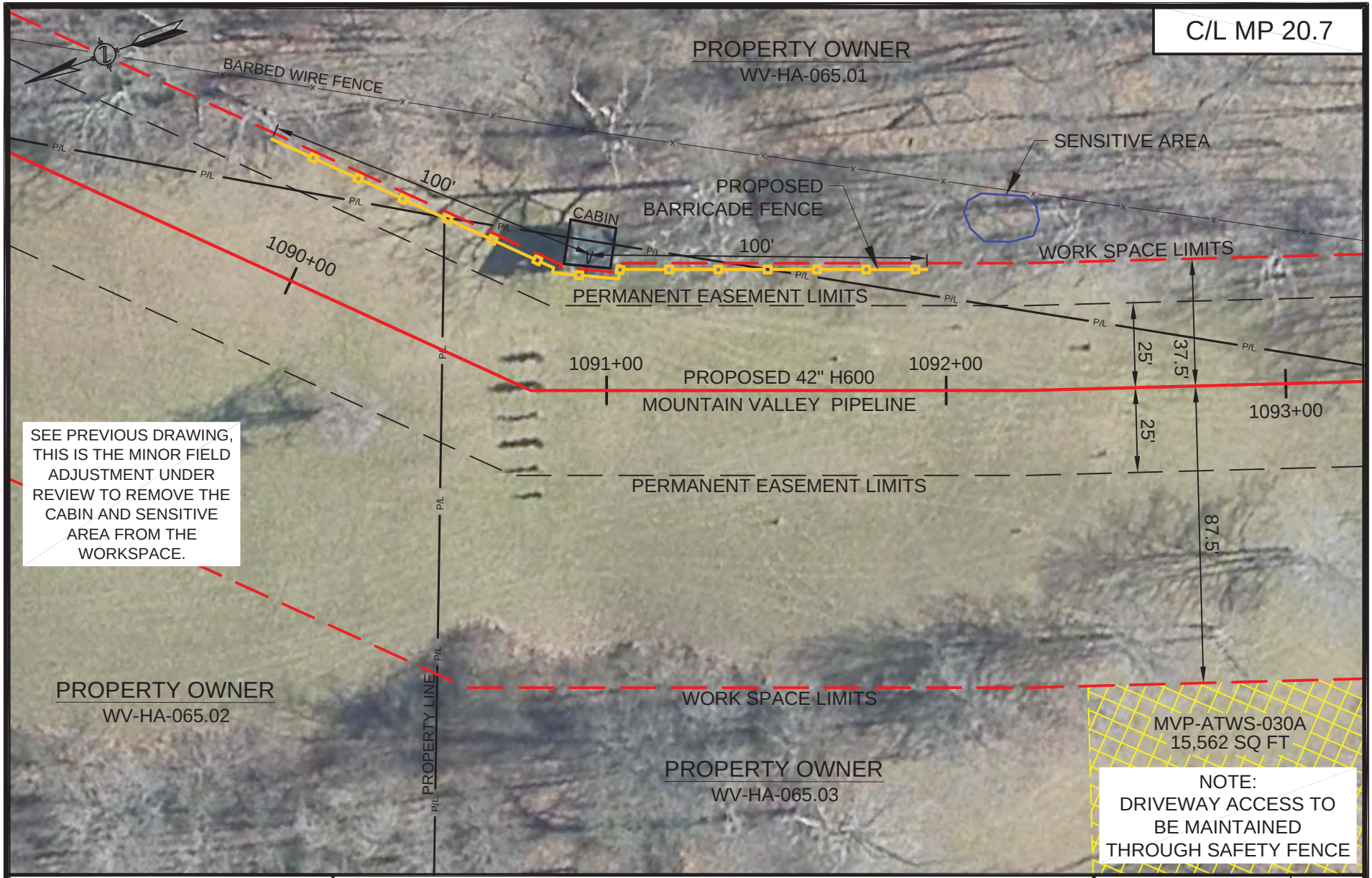

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/18/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-HAWV-H600-12	
DRAWING NO.: **RSS-H600-107**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/20/2016 8:54 AM	

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
HARRISON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/08/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-ADAR-H600-11	
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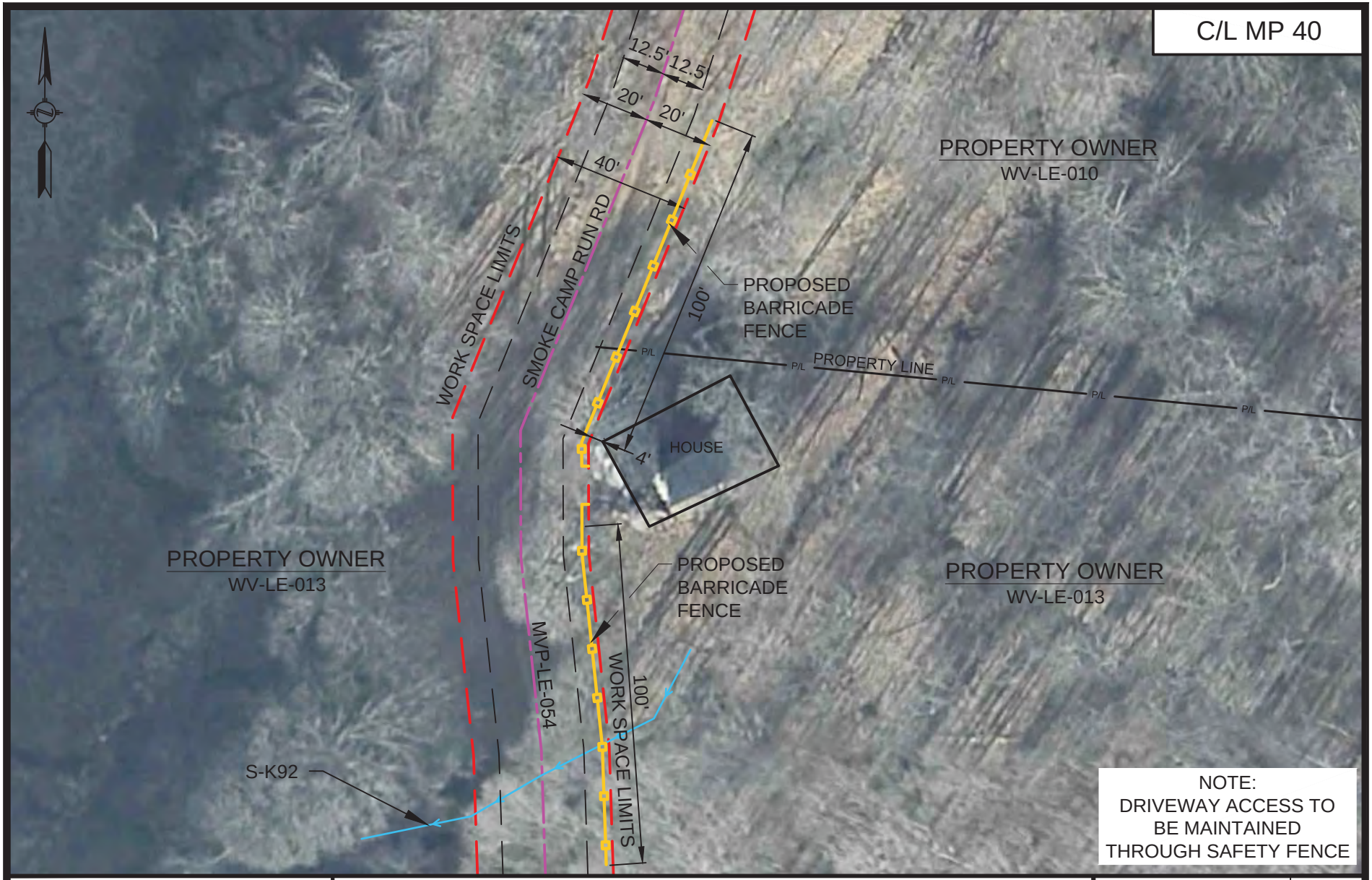

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/08/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-ADAR-H600-14	
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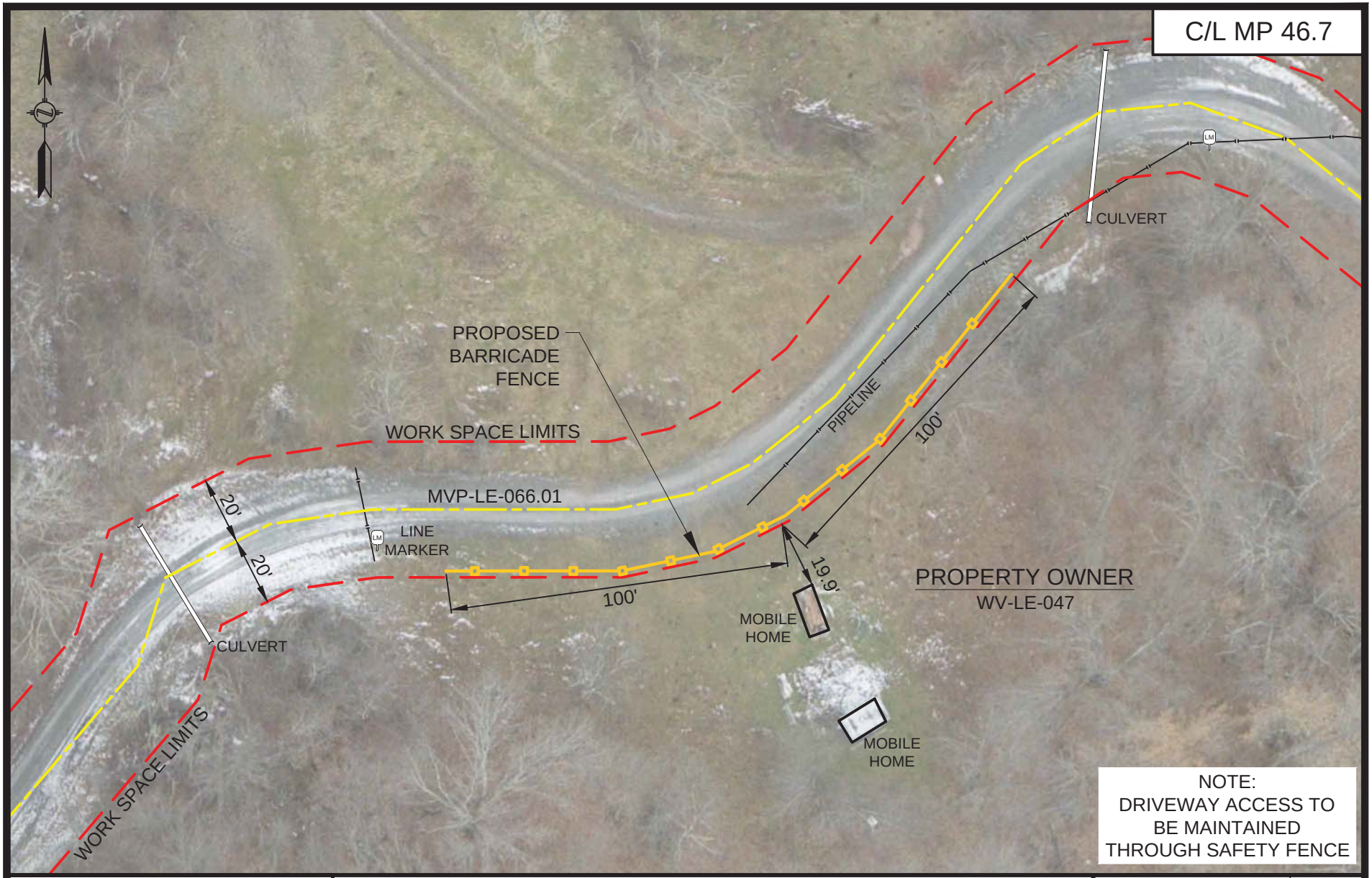

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/18/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-16	
DRAWING NO.: **RSS-H600-111**	
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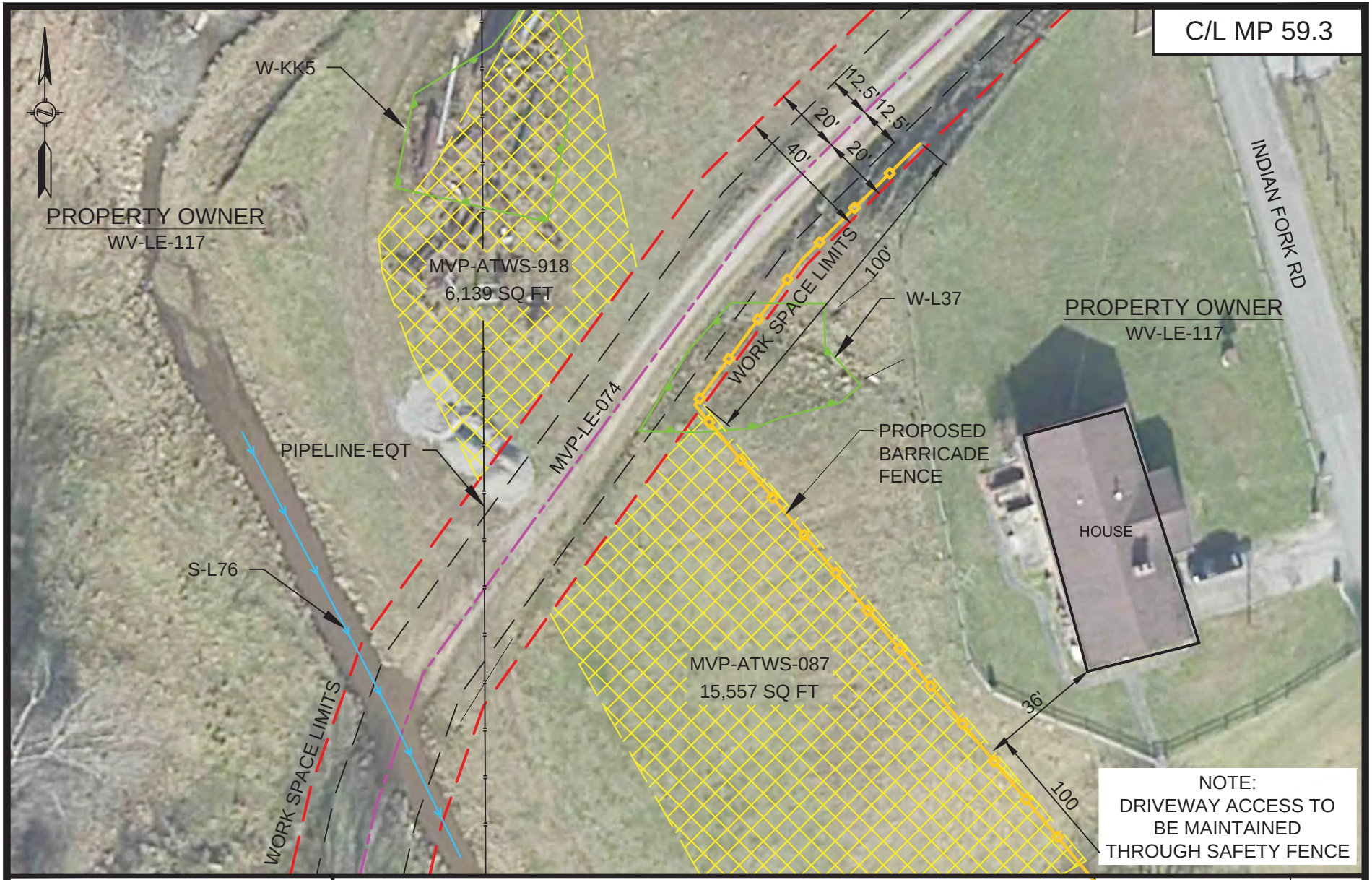

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
LEWIS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/08/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-ADAR-H600-19	
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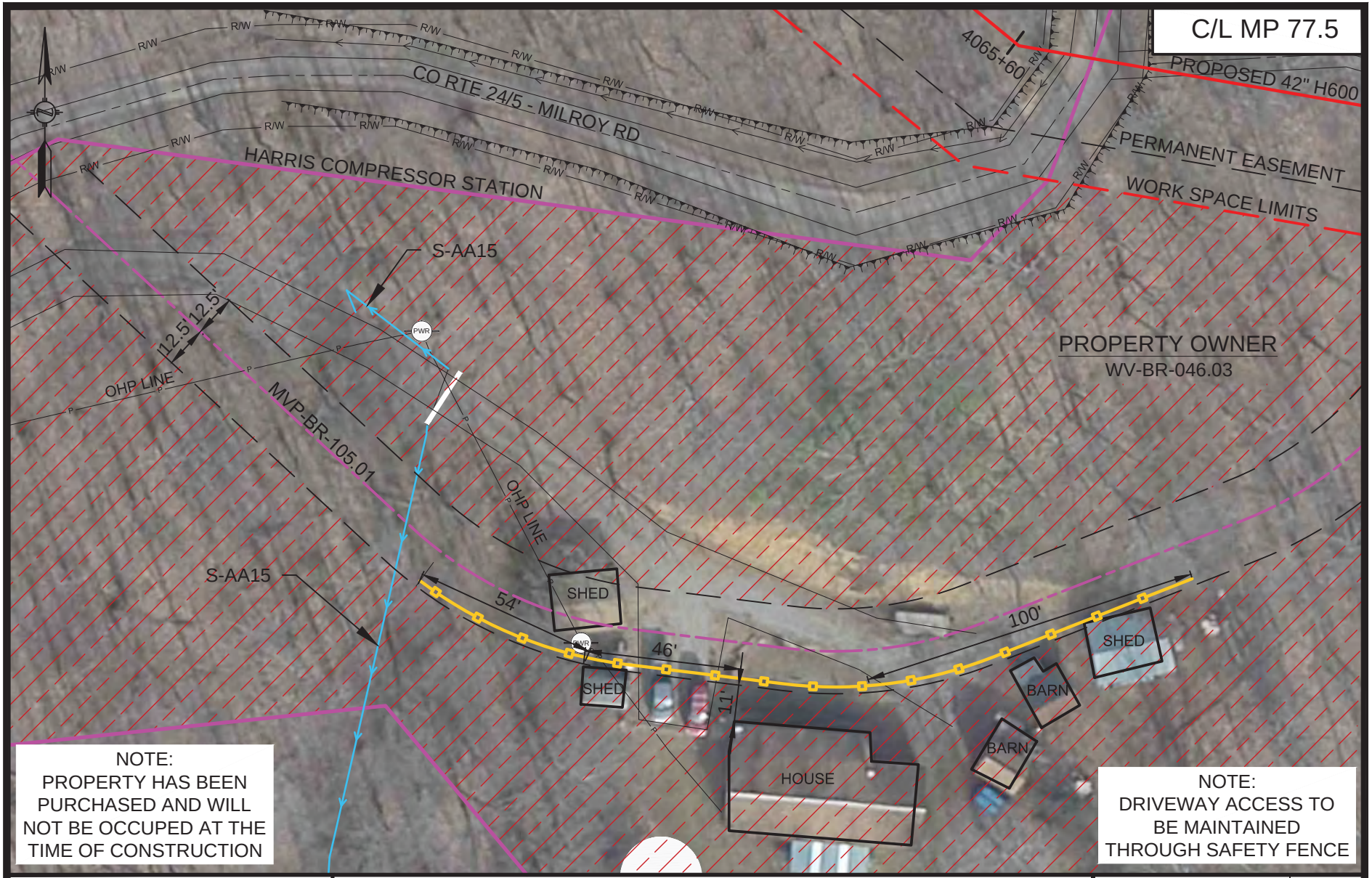

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
BRAXTON COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/08/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-BRWV-H600-12	
DRAWING NO.: **RSS-H600-113**	
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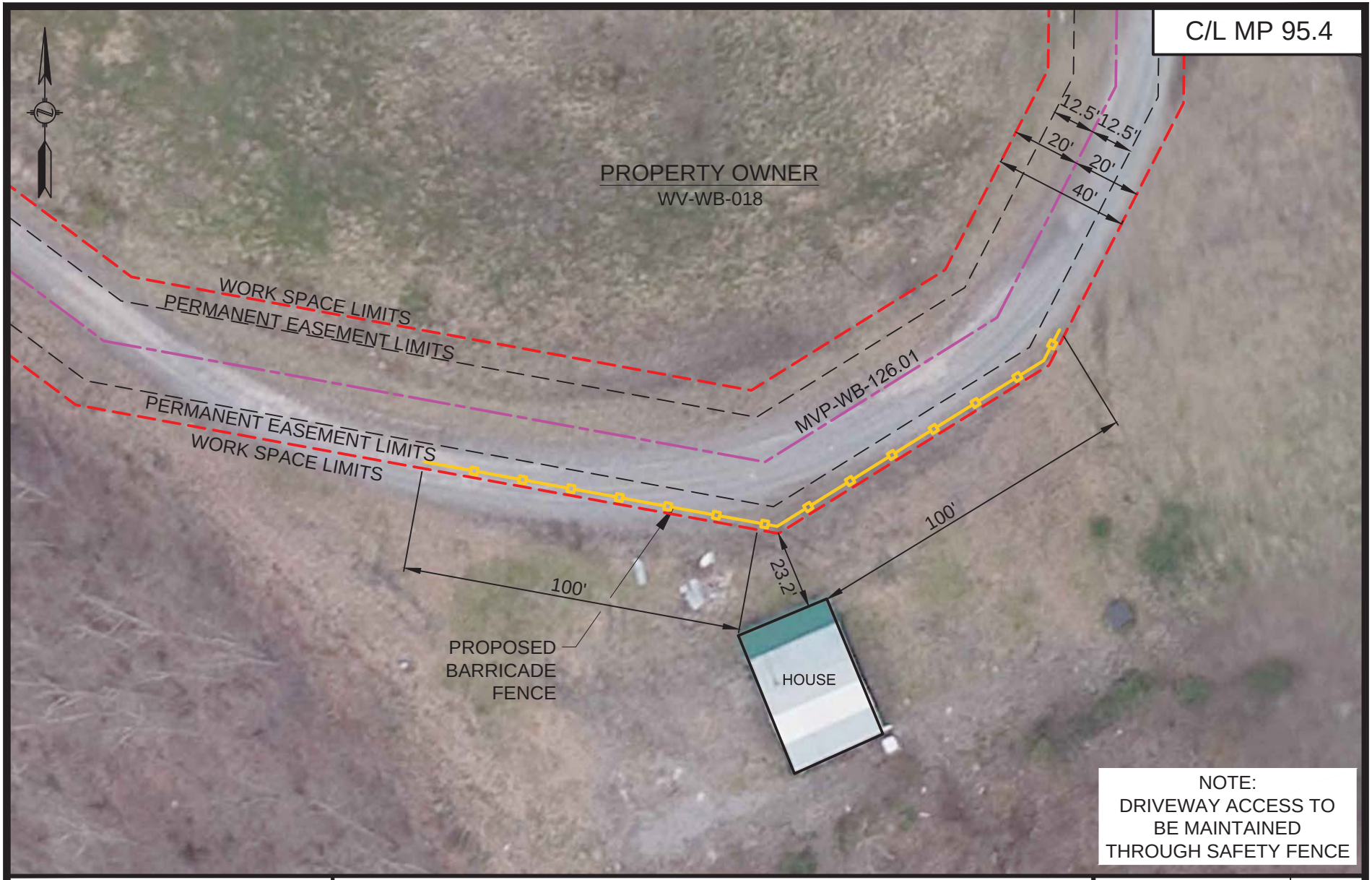

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
WEBSTER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/09/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-ADAR-H600-40	
DRAWING NO.: **RSS-H600-114**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:08 PM	

NOTE:
DRIVEWAY ACCESS TO BE MAINTAINED THROUGH SAFETY FENCE

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/11/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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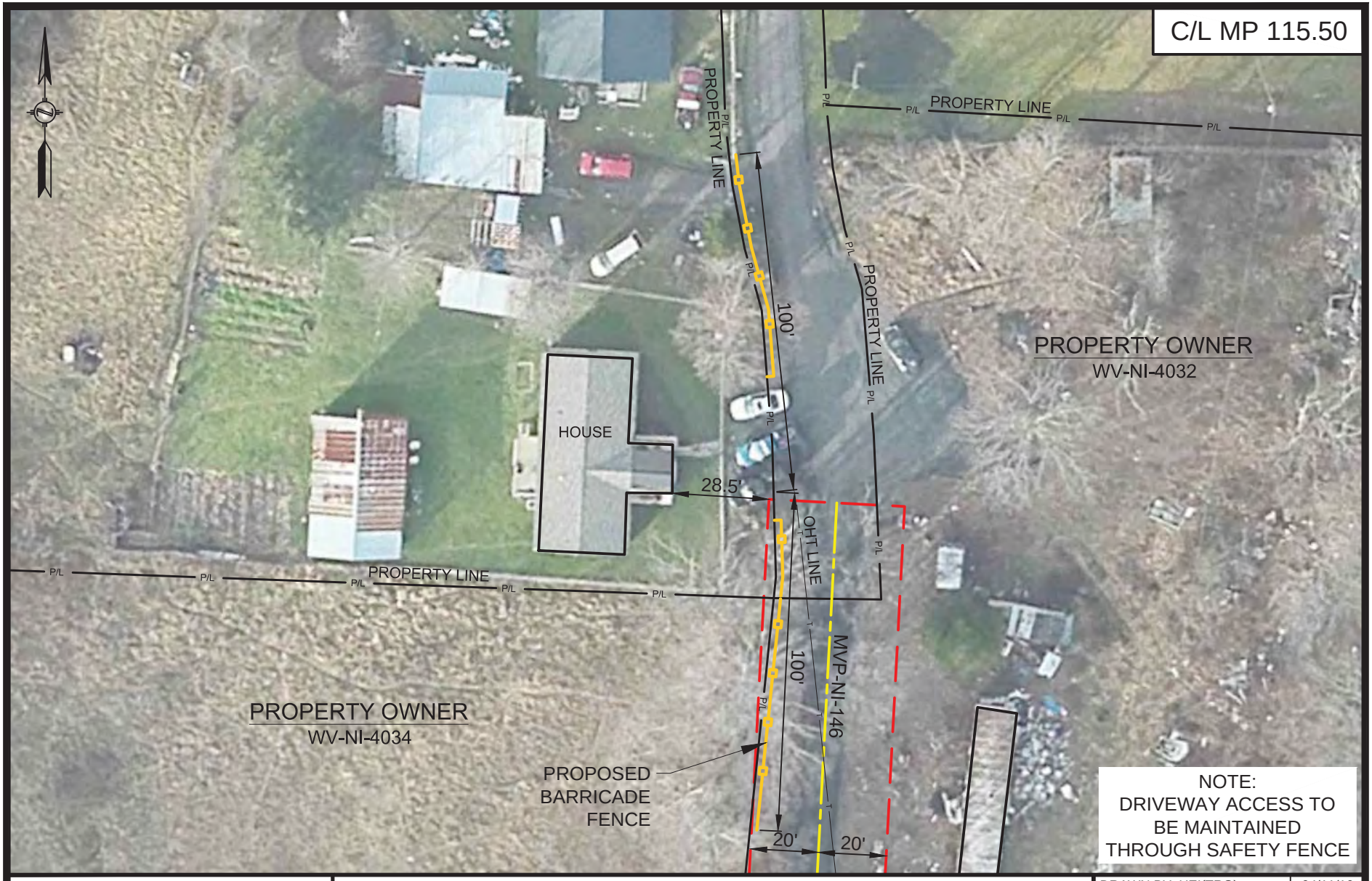

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/11/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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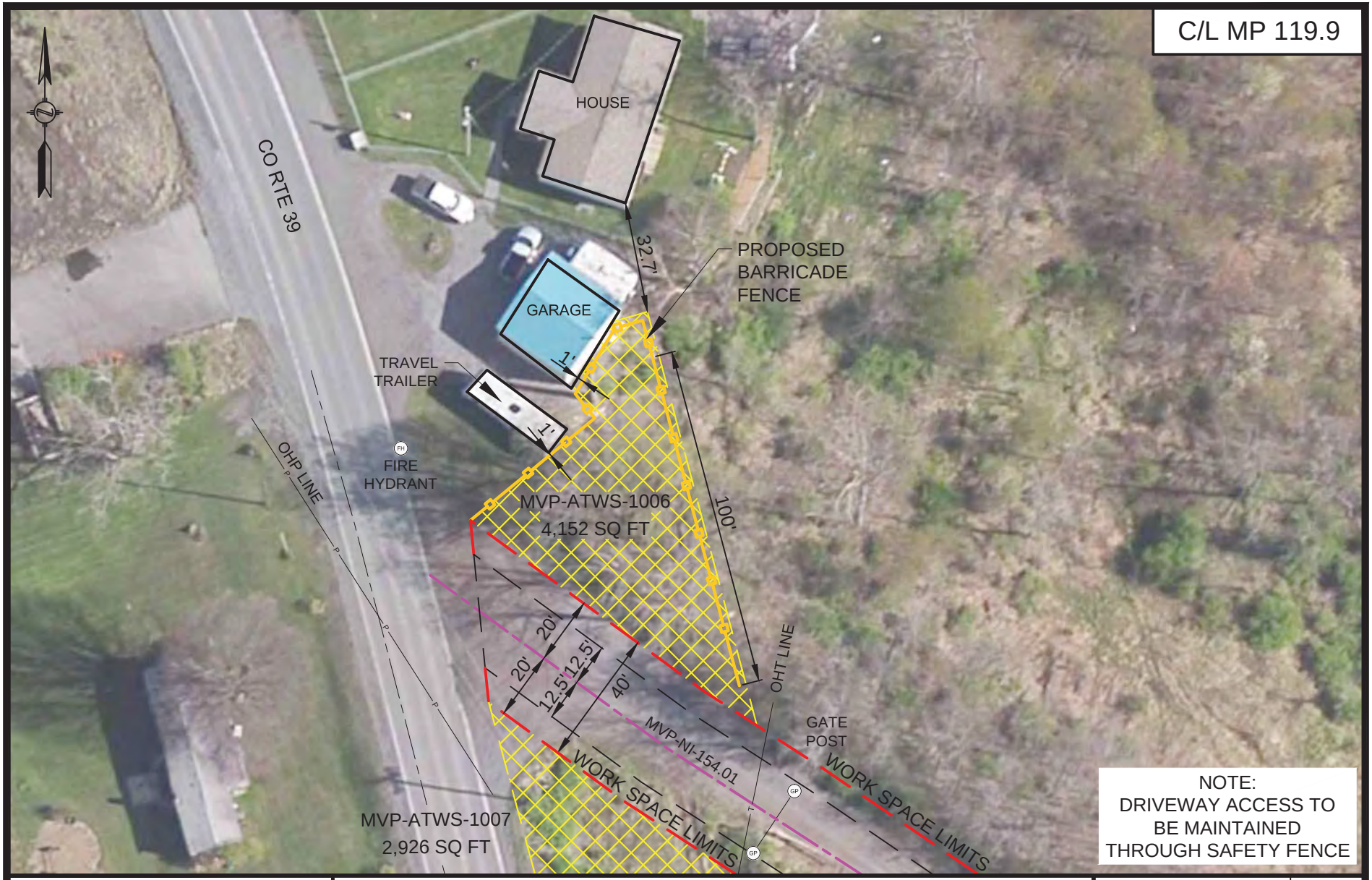

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/11/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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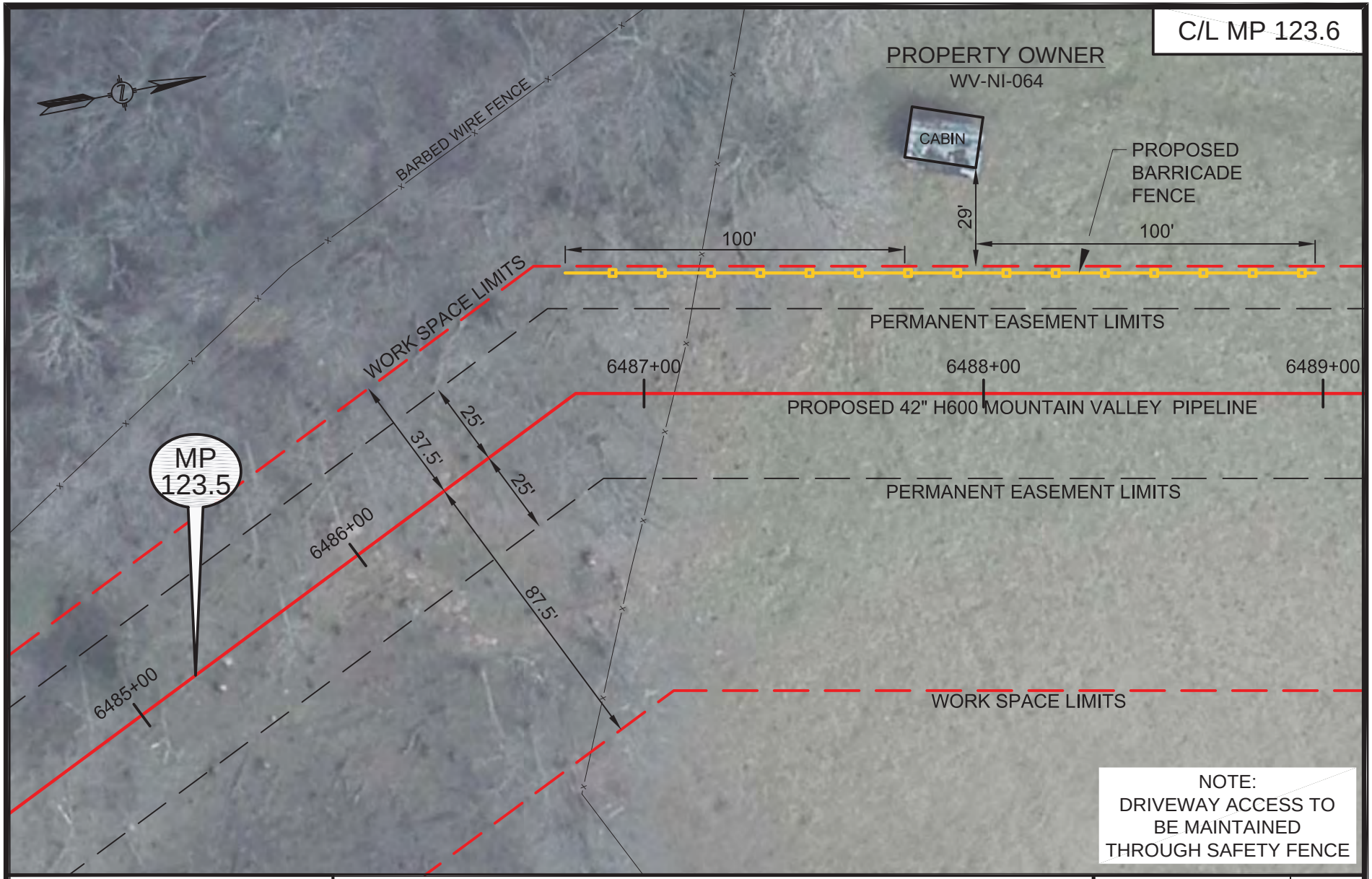

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-NIWV-H600-14	
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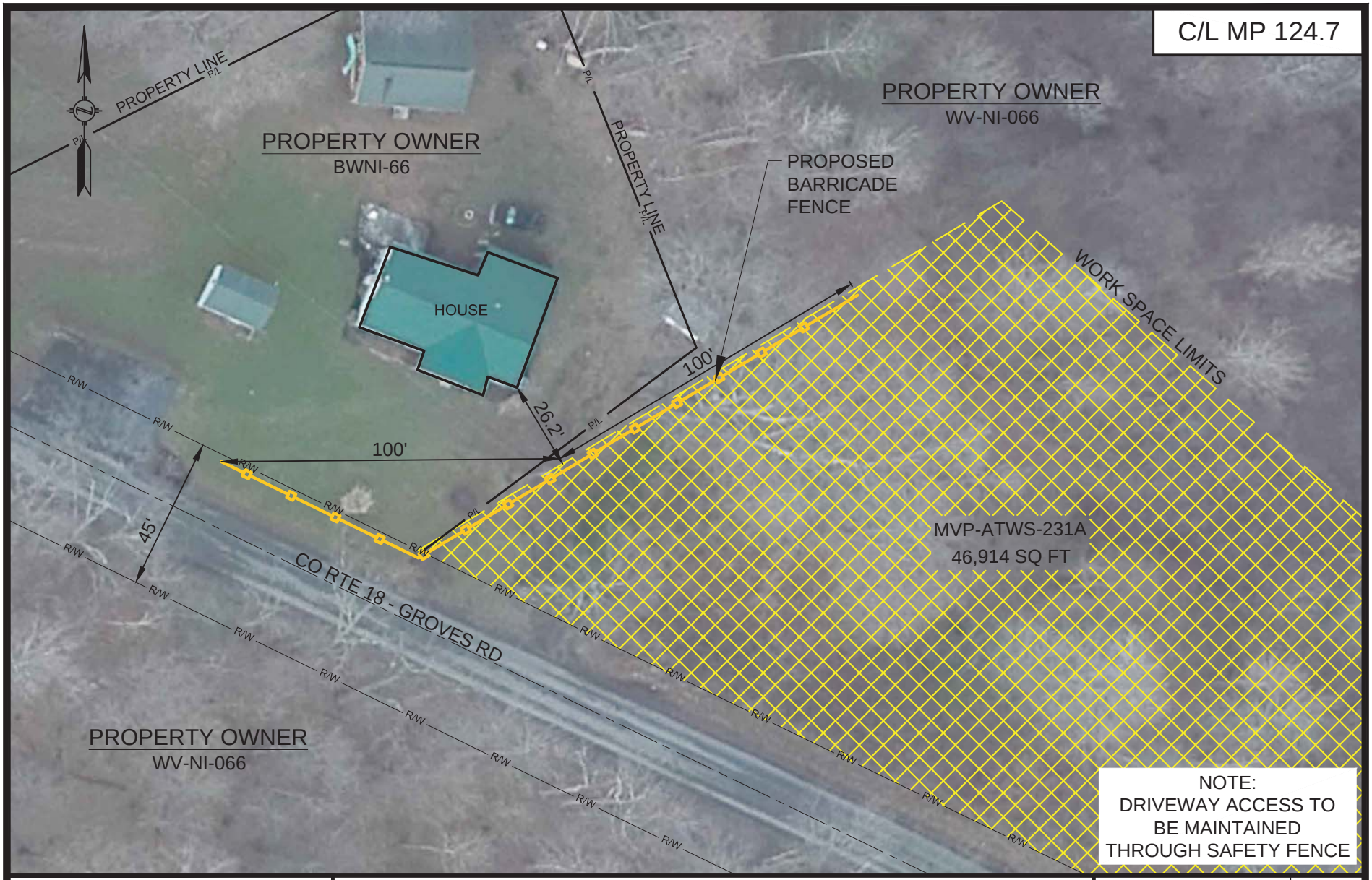

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-NIWV-H600-15	
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SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:08 PM	

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
NICHOLAS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
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ENGINEERING CK: .	.
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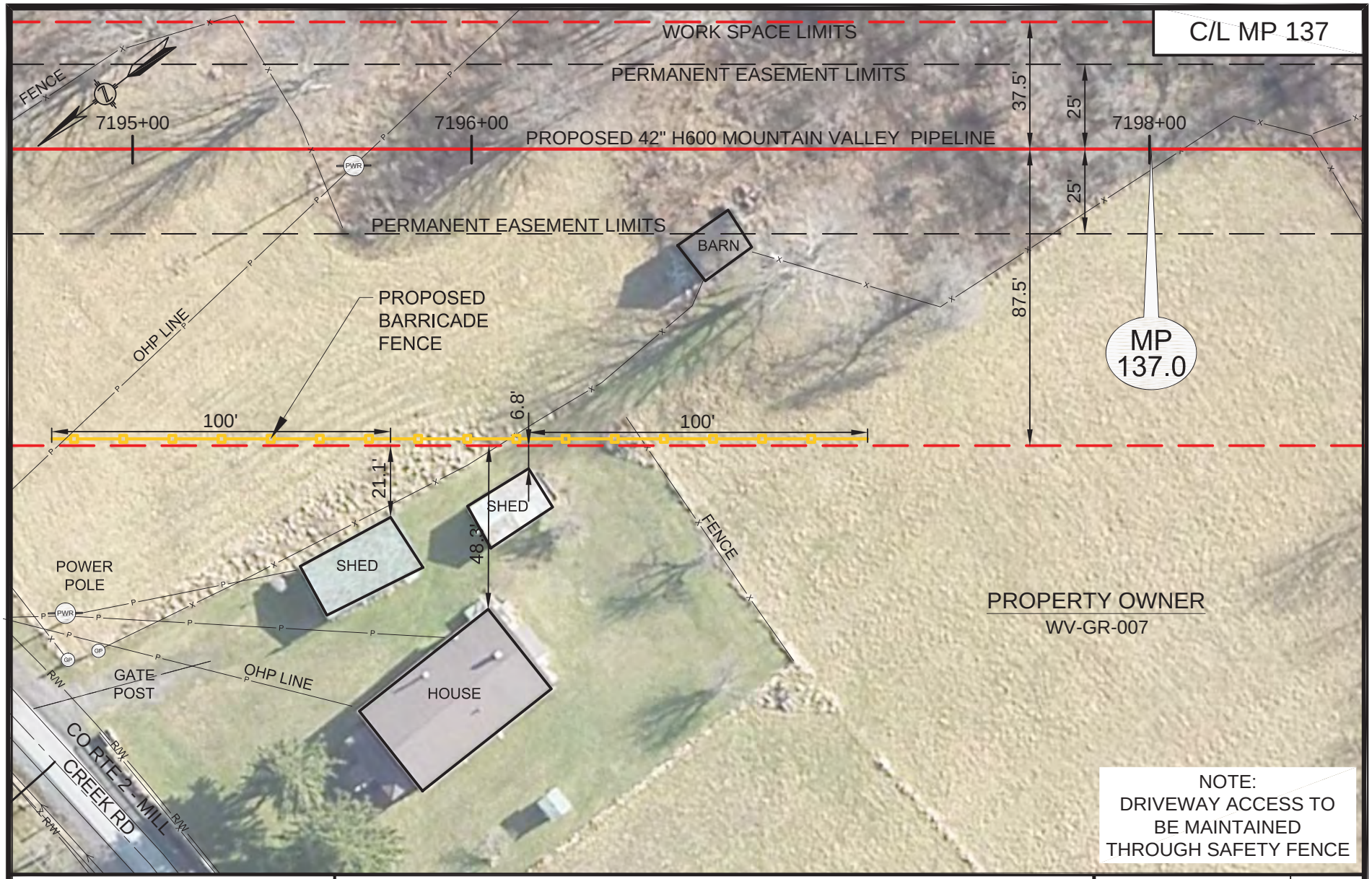

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET:MVP-GRWV-H600-03	
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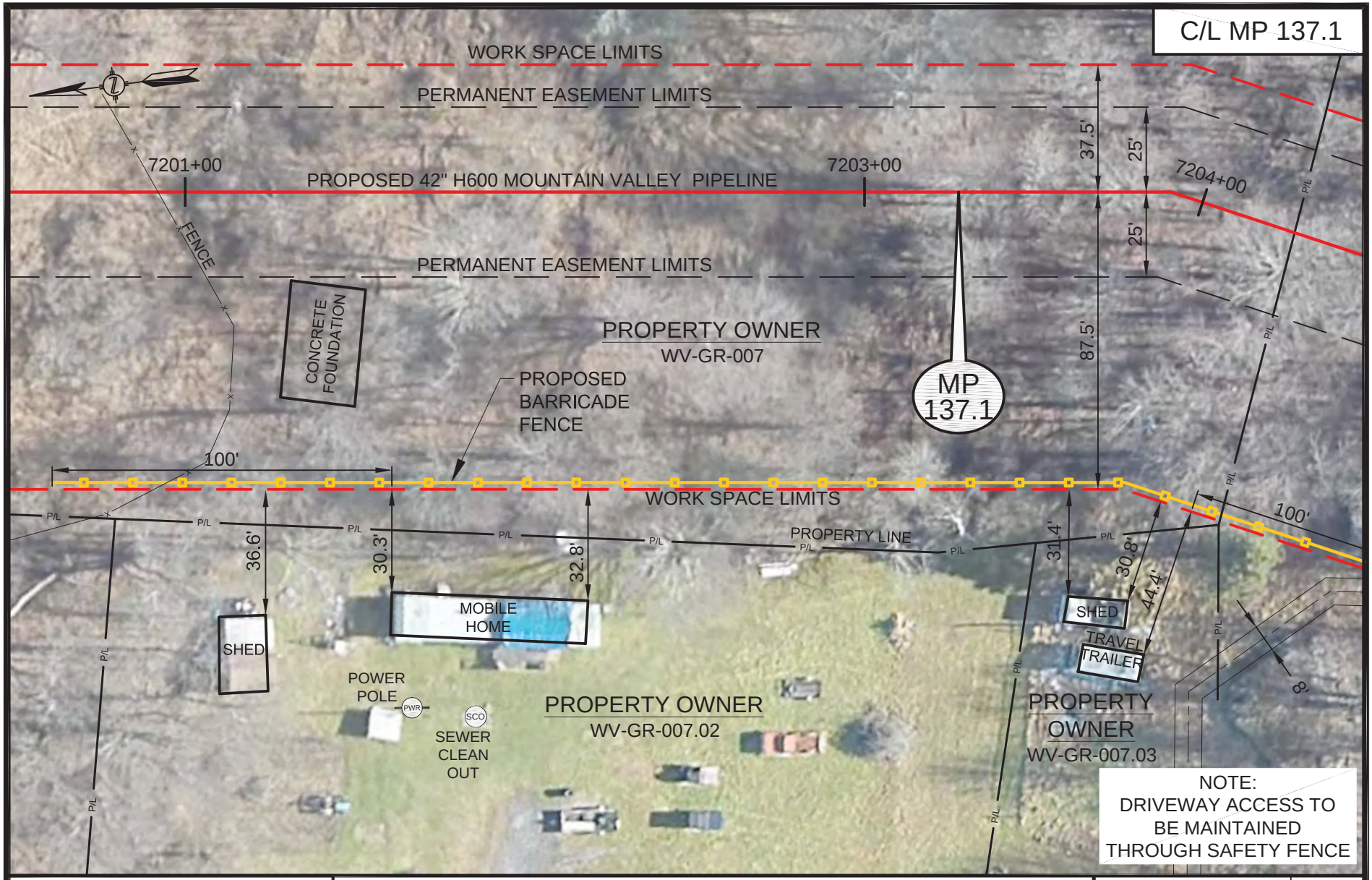

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GREENBRIER COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET:MVP-GRWV-H600-03	
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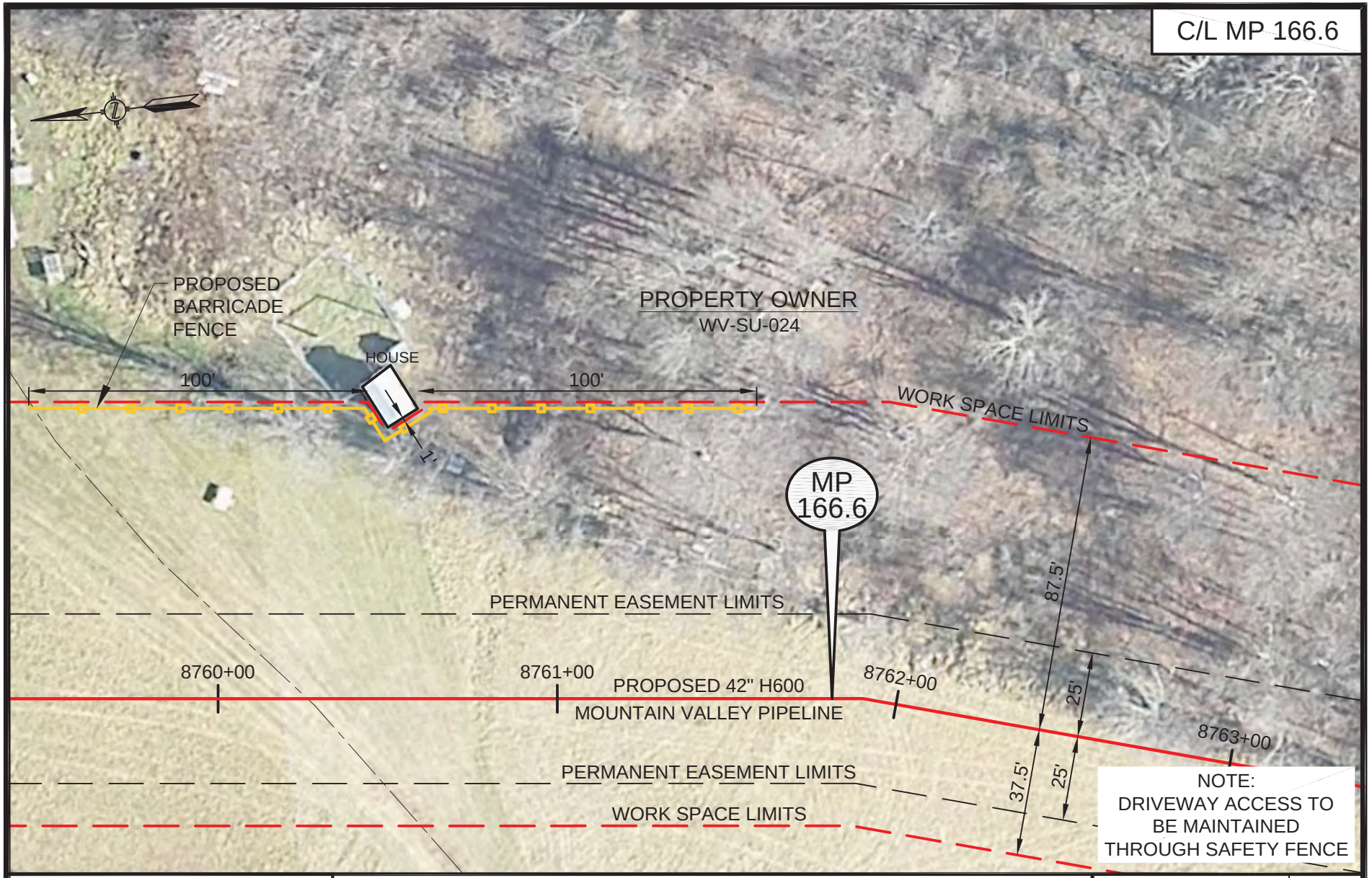

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/18/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET:MVP-SUWV-H600-11	
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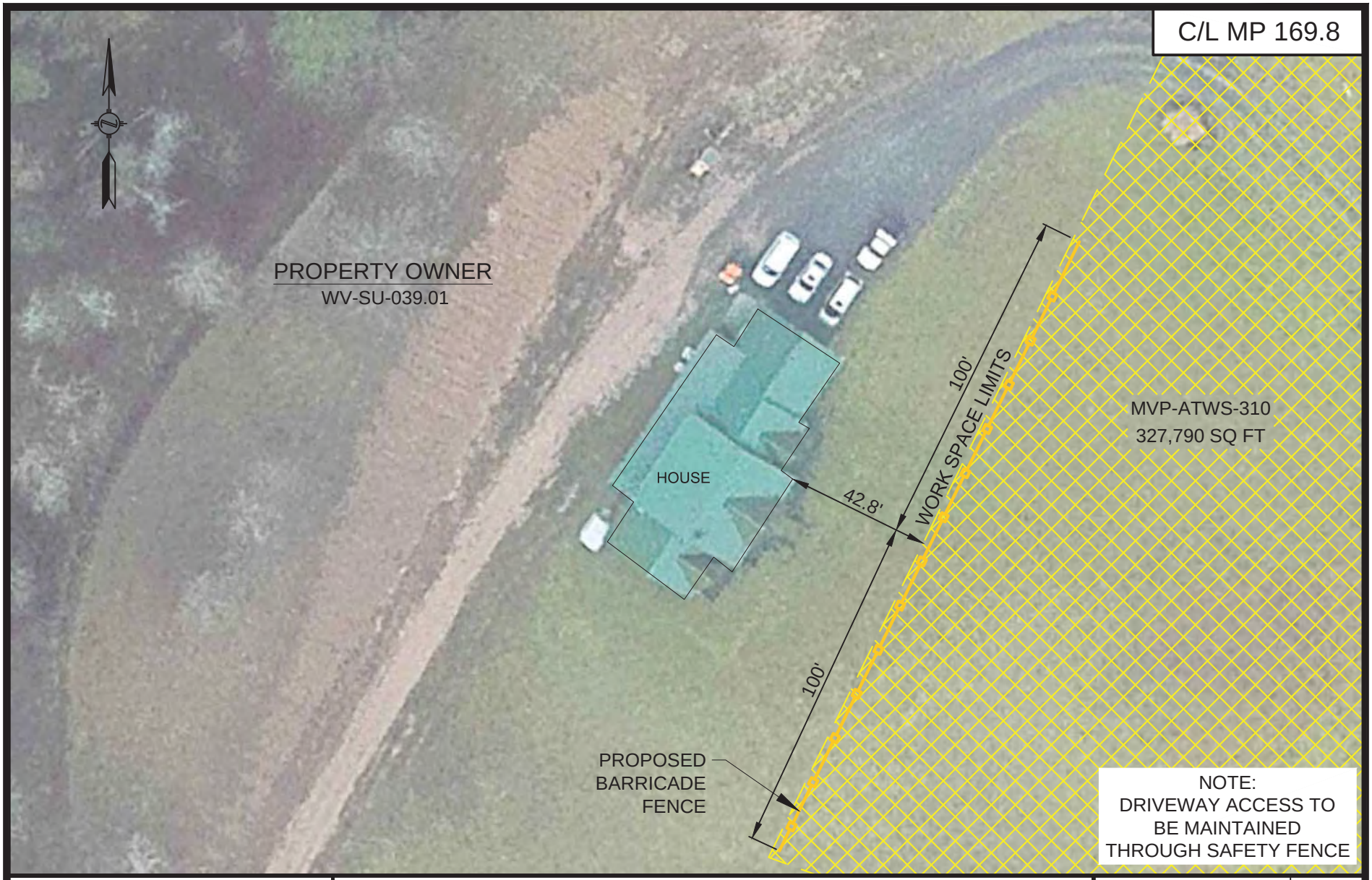

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET:MVP-SUWV-H600-14	
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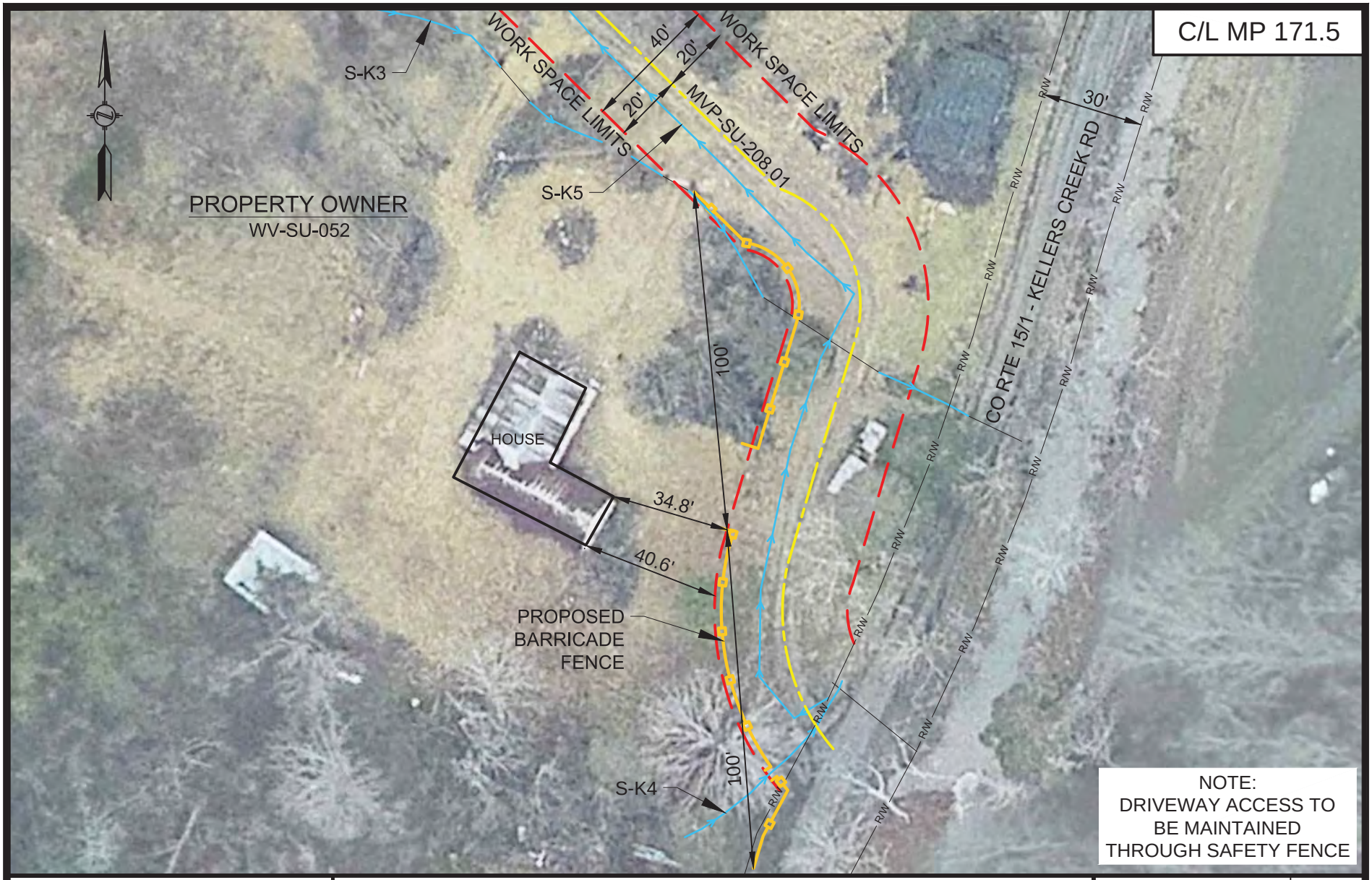

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET:MVP-ADAR-H600-68	
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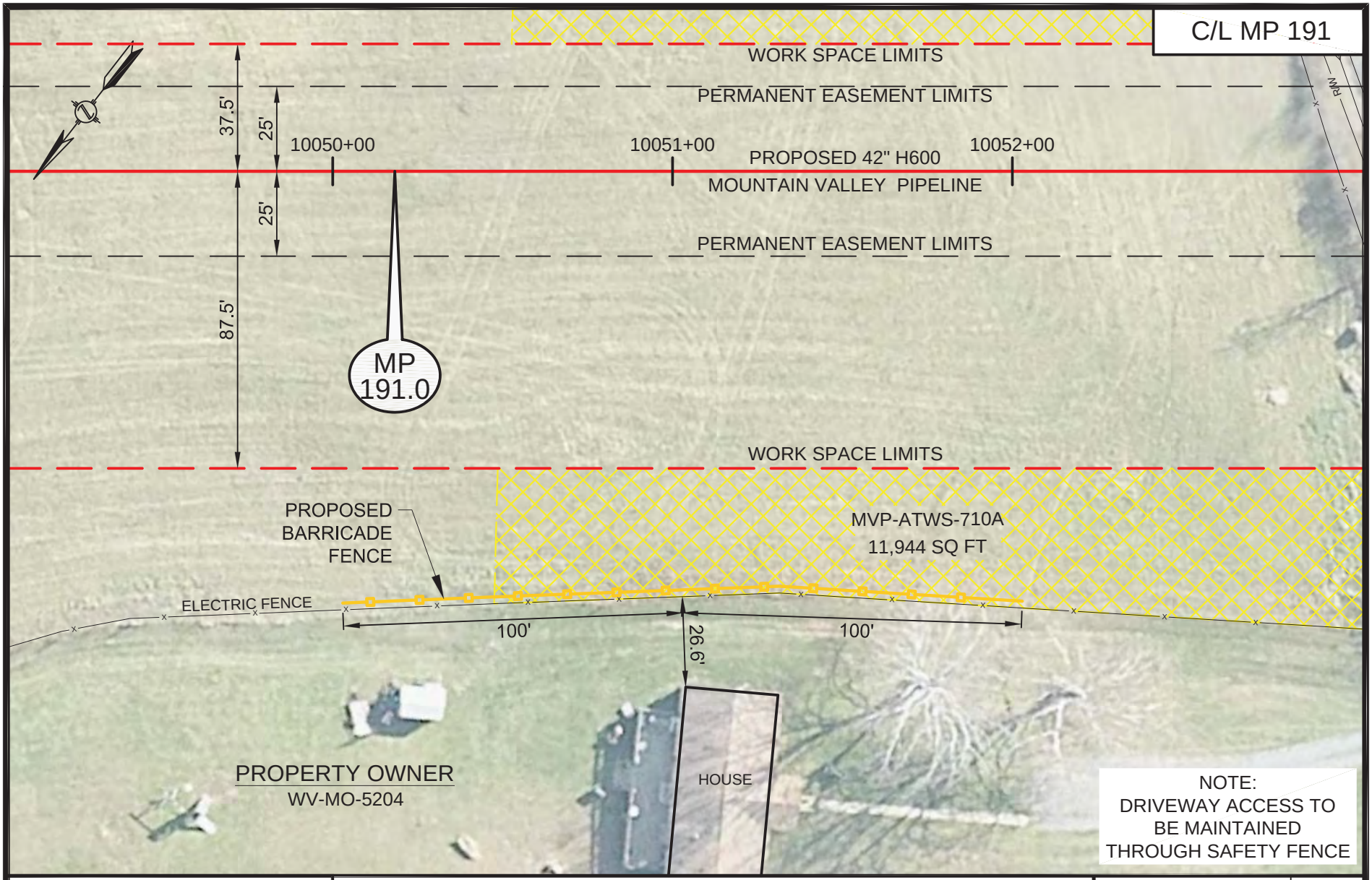

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONROE COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(TRG)	04/12/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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DRAWING NO.: **RSS-H600-131**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:09 PM	

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-76	
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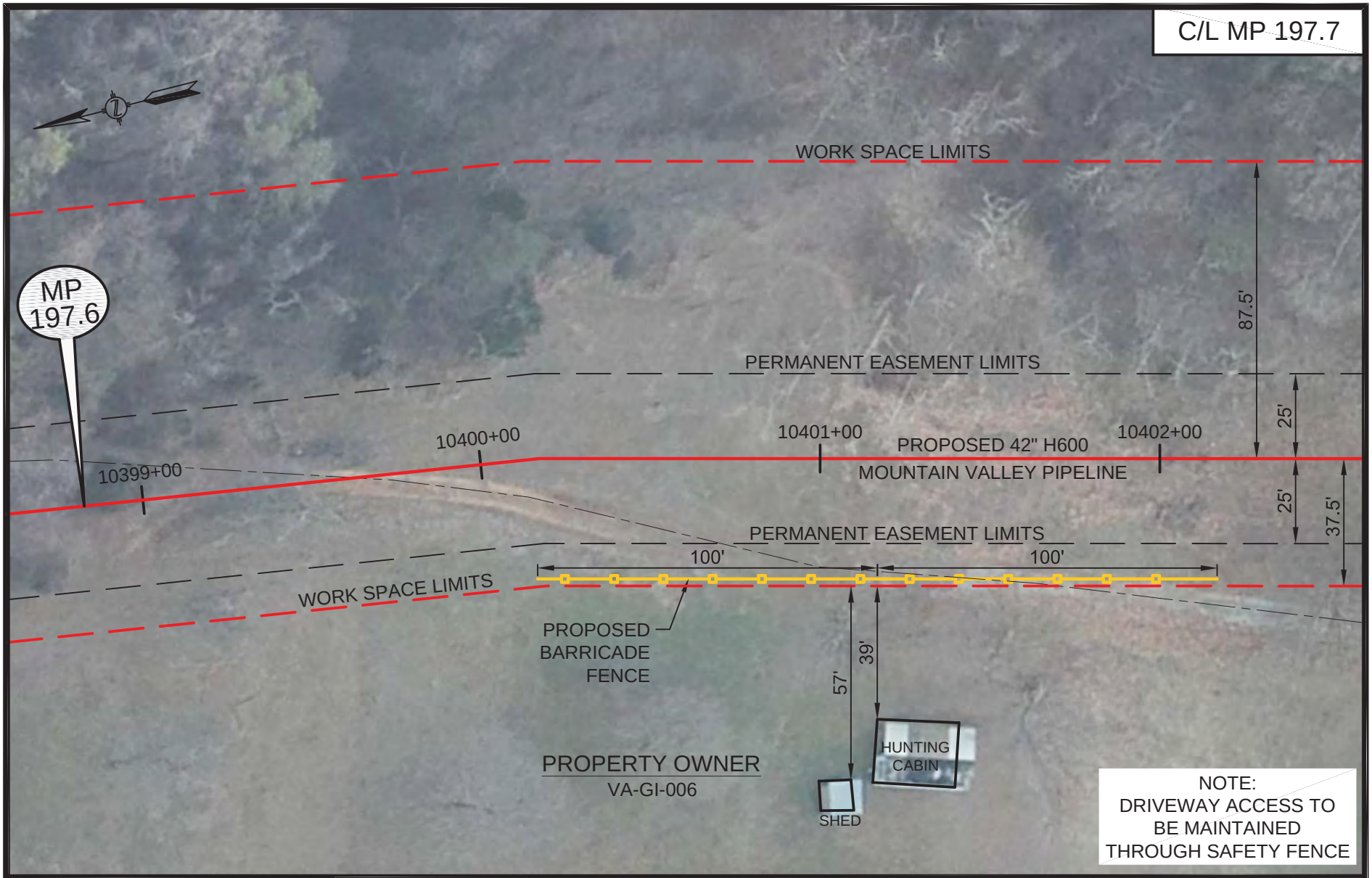

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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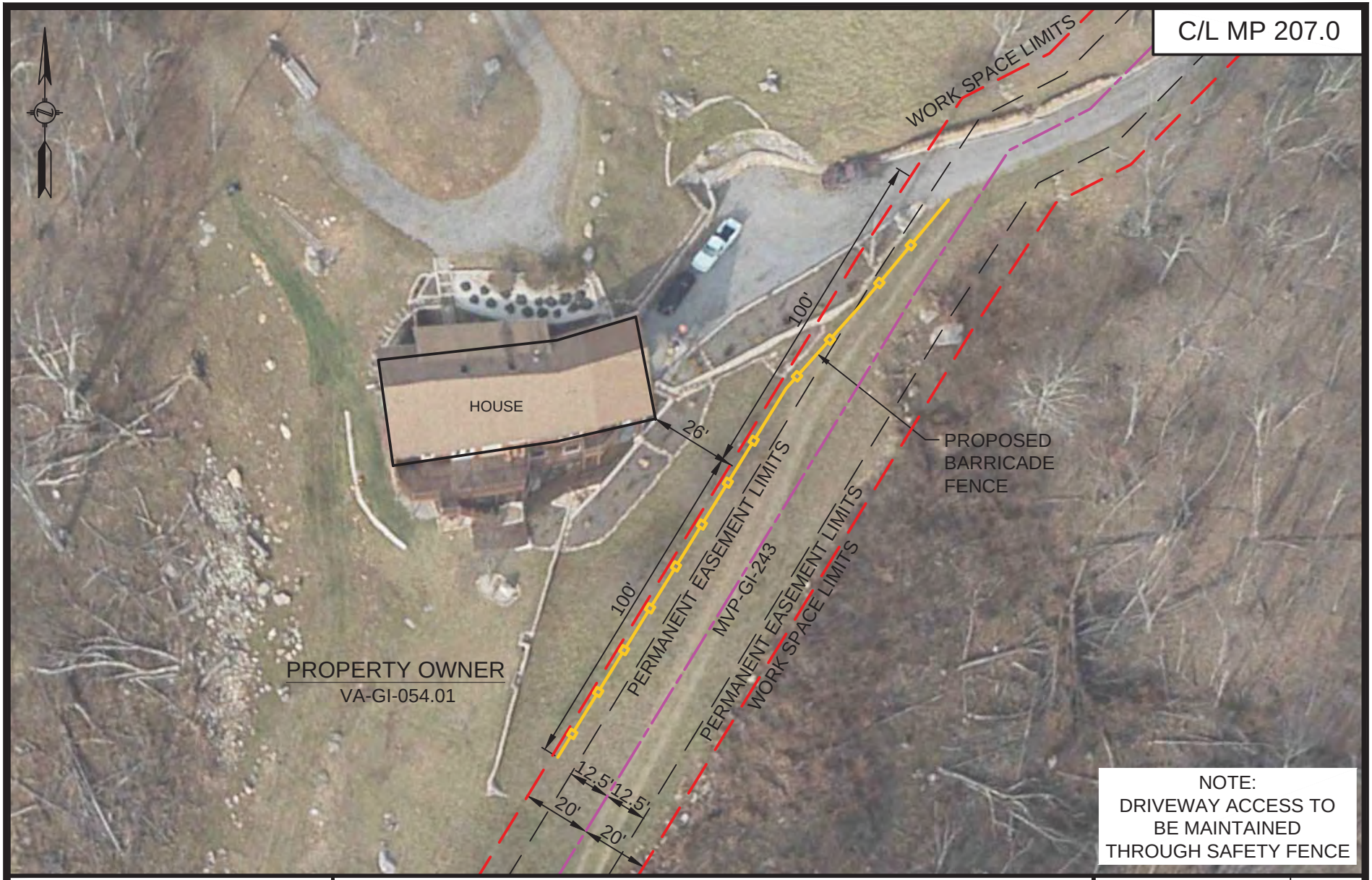

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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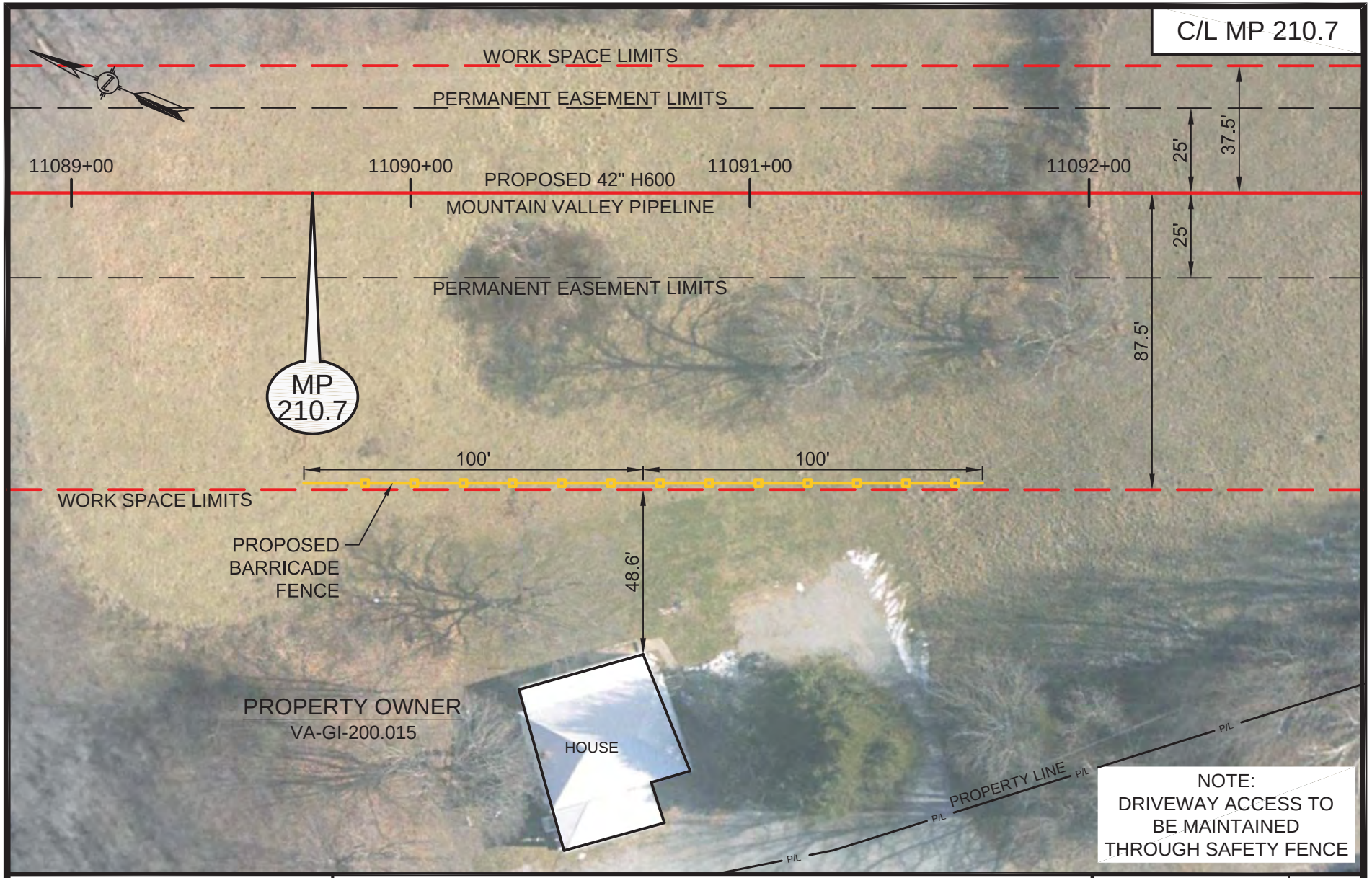

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-GIVA-H600-17	
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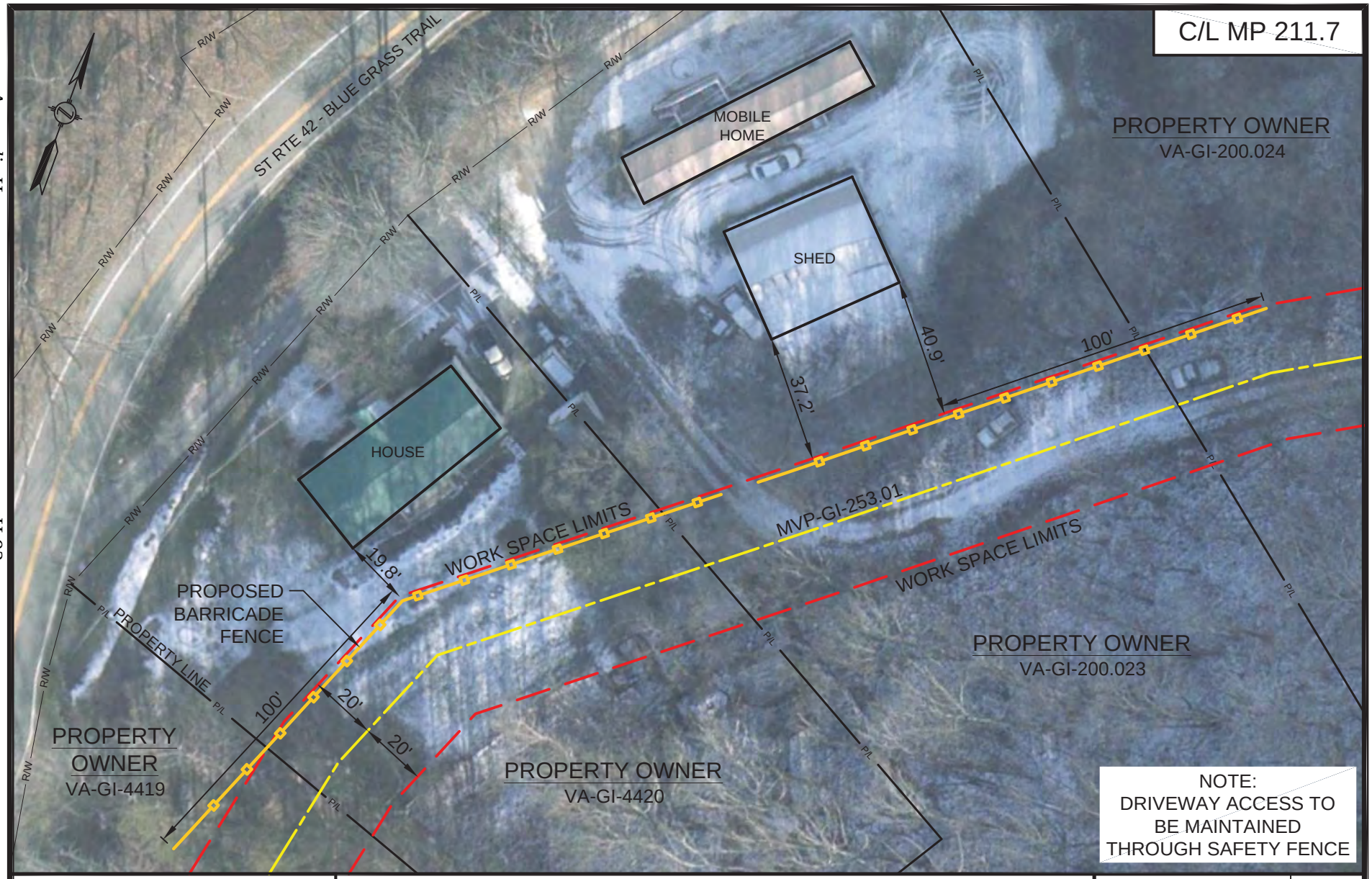

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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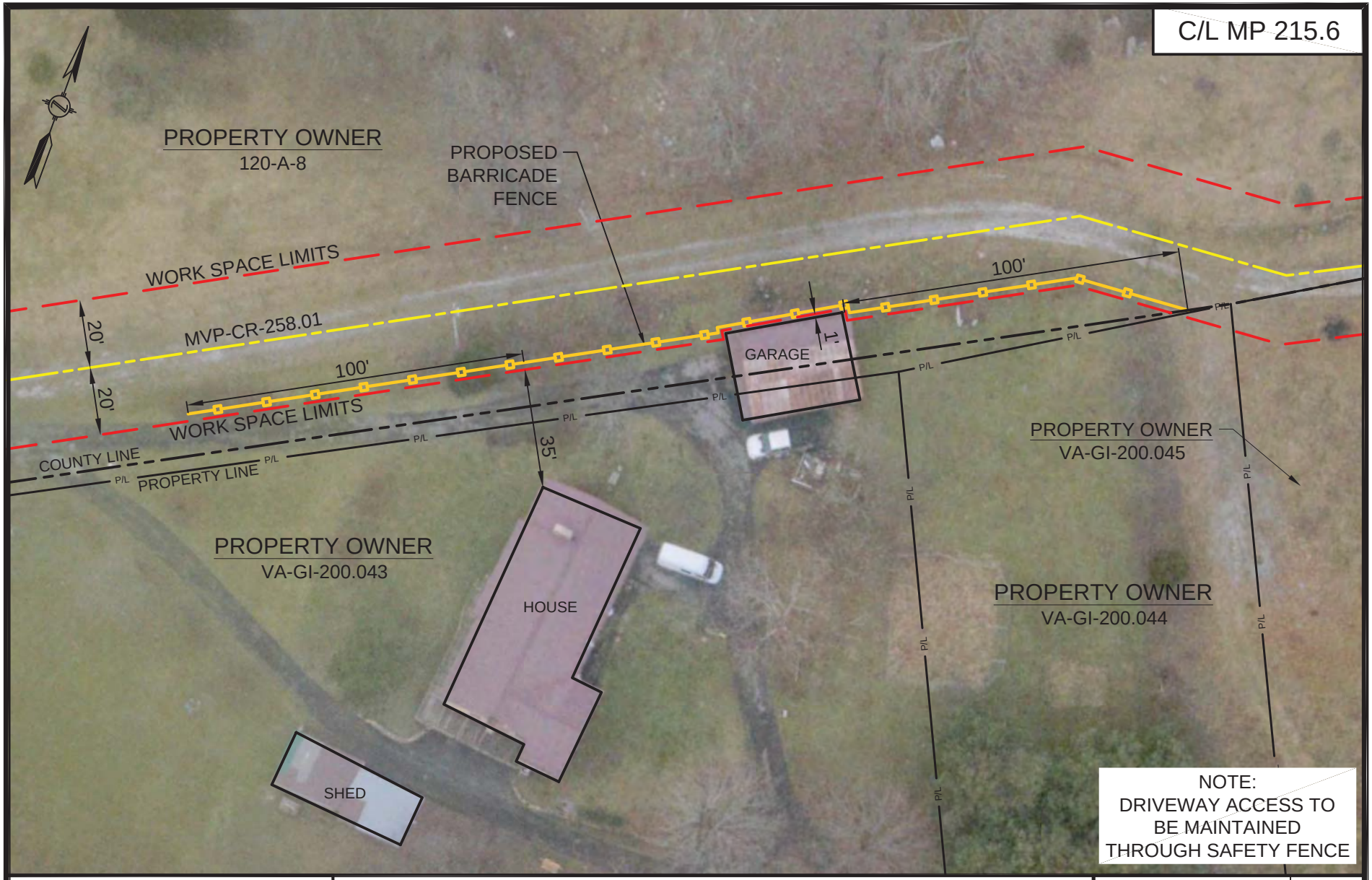

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
CRAIG / GILES COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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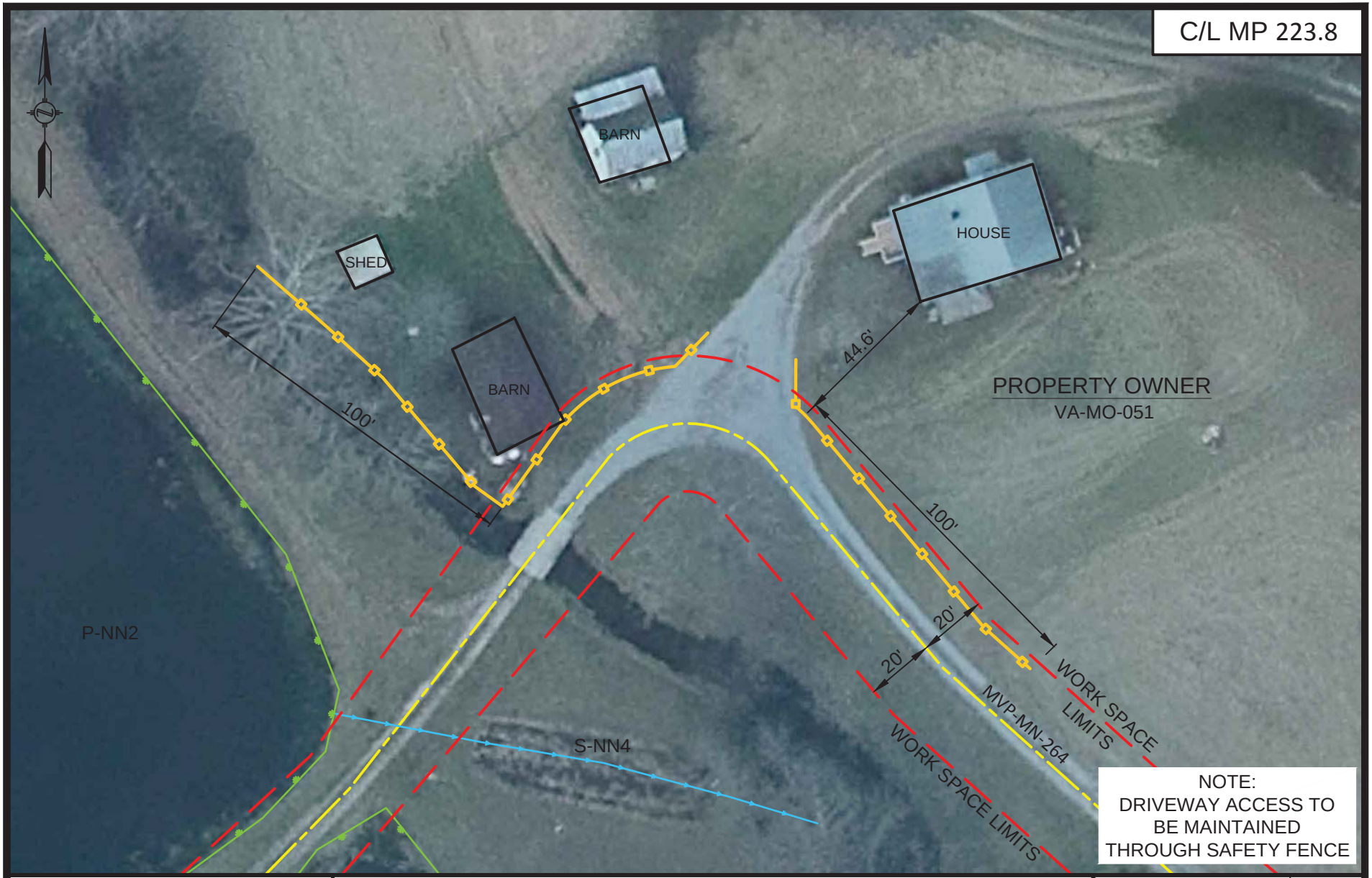

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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DRAWING NO.: **RSS-H600-138**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:11 PM	

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-91a	
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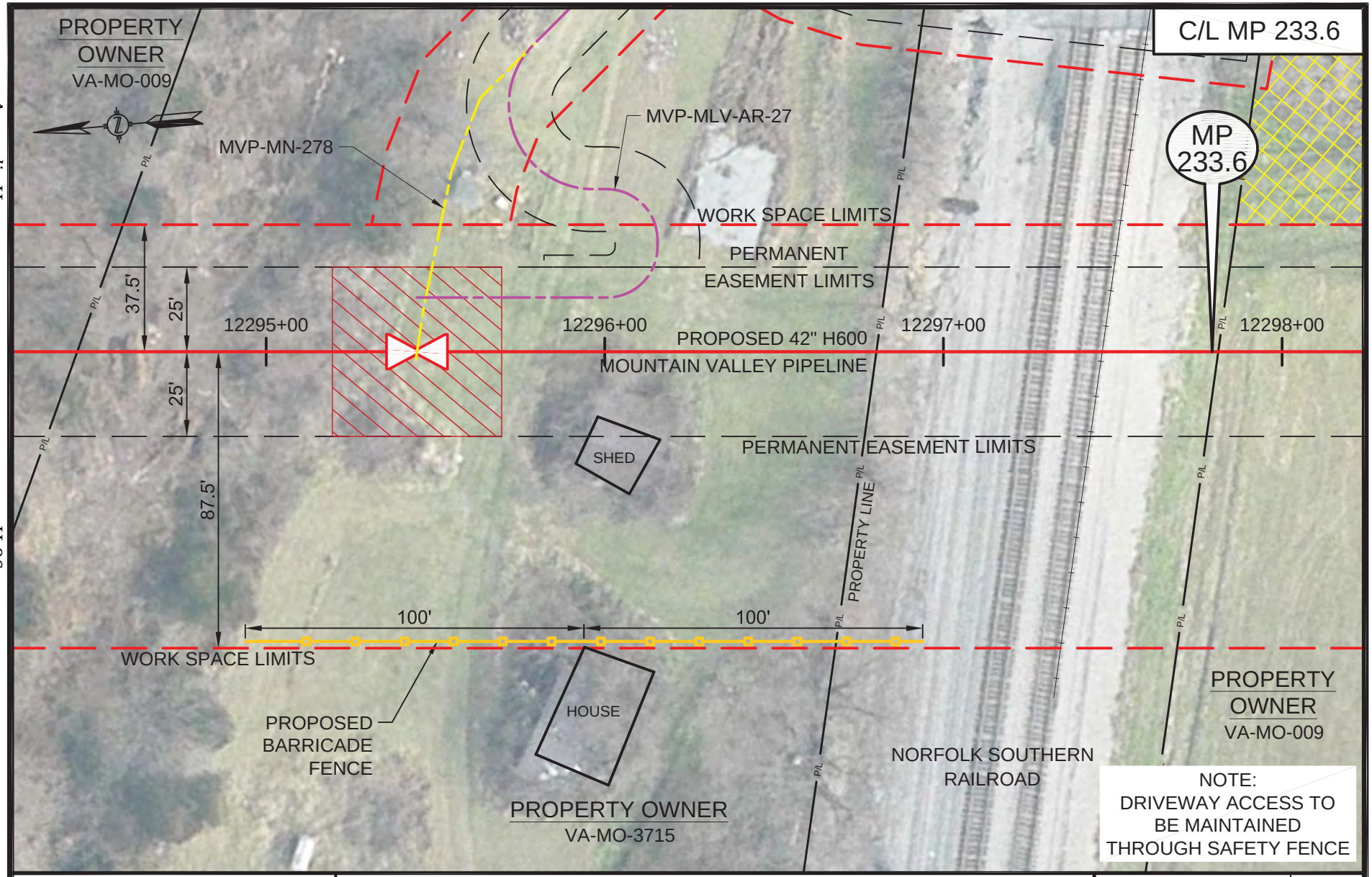

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Mountain Valley PIPELINE

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
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ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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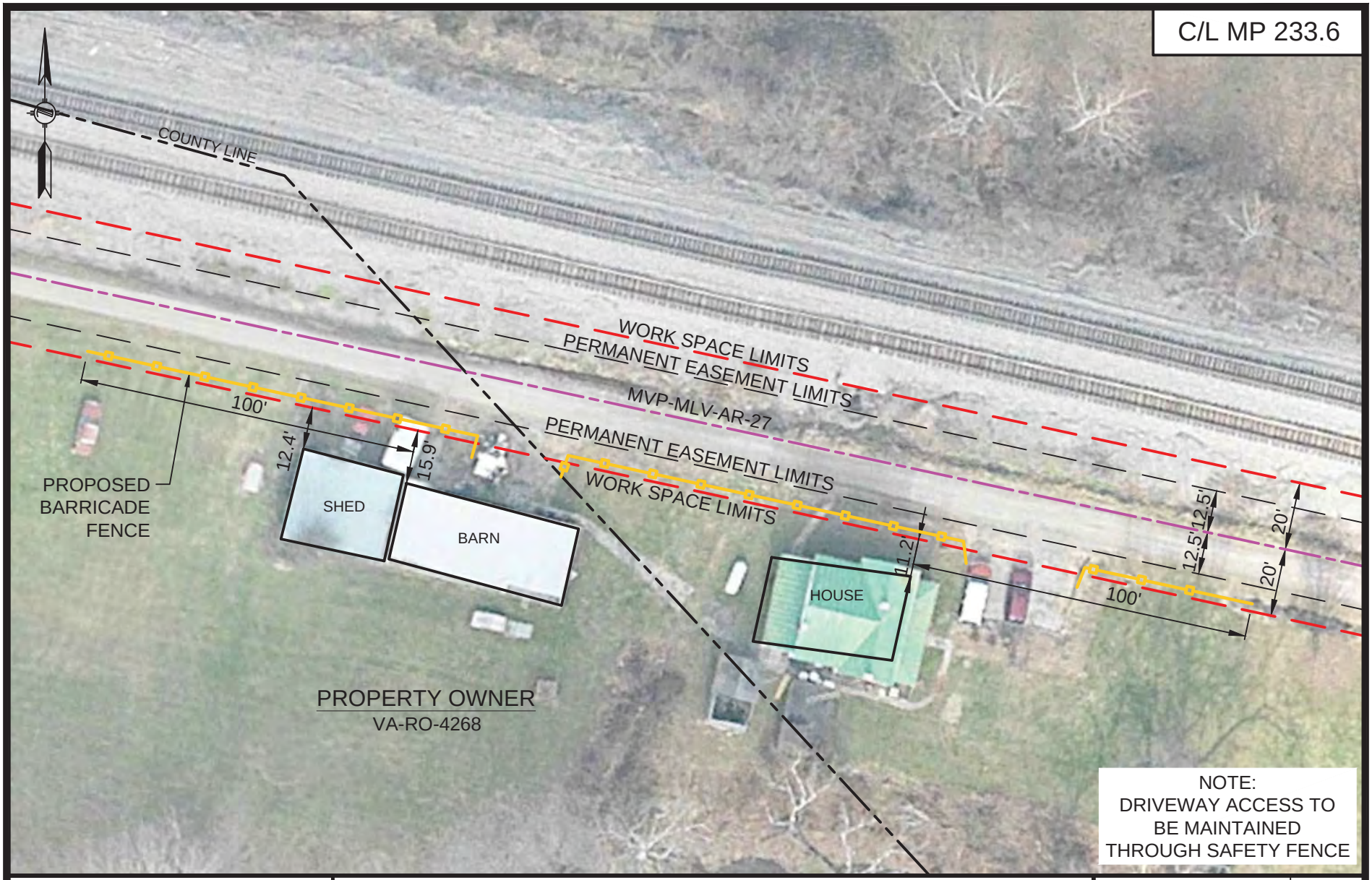

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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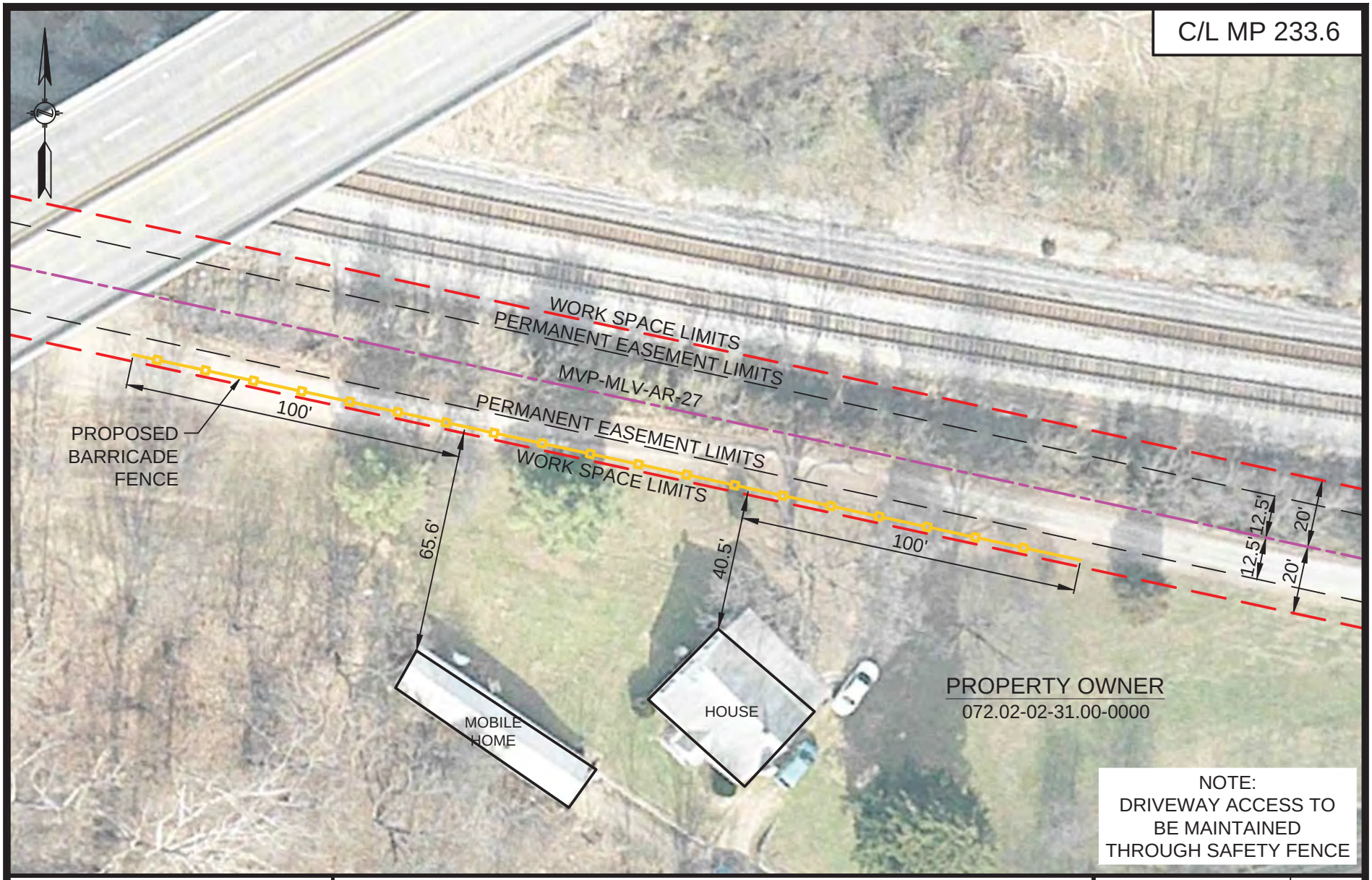

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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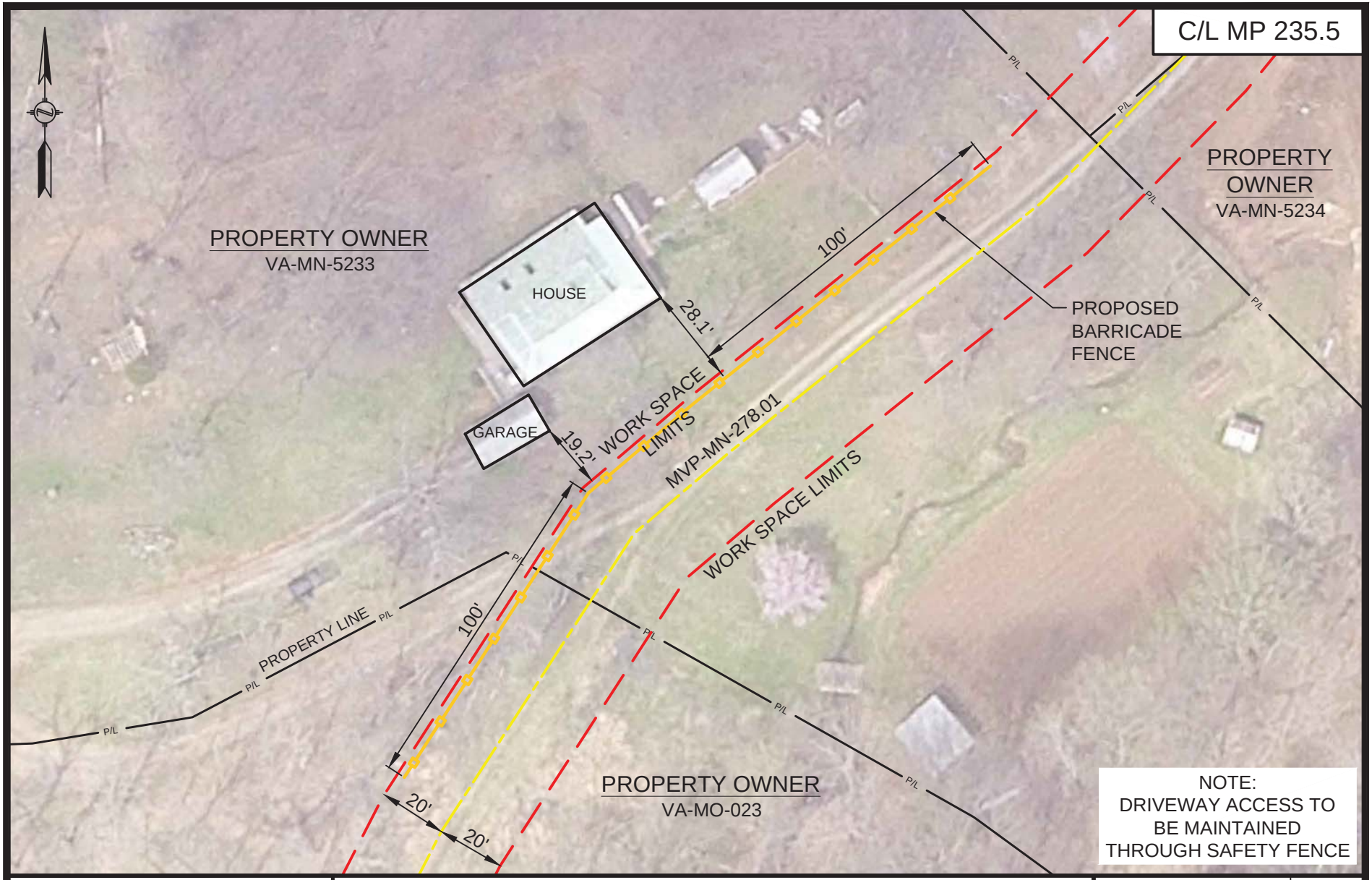

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-MOVA-H600-21	
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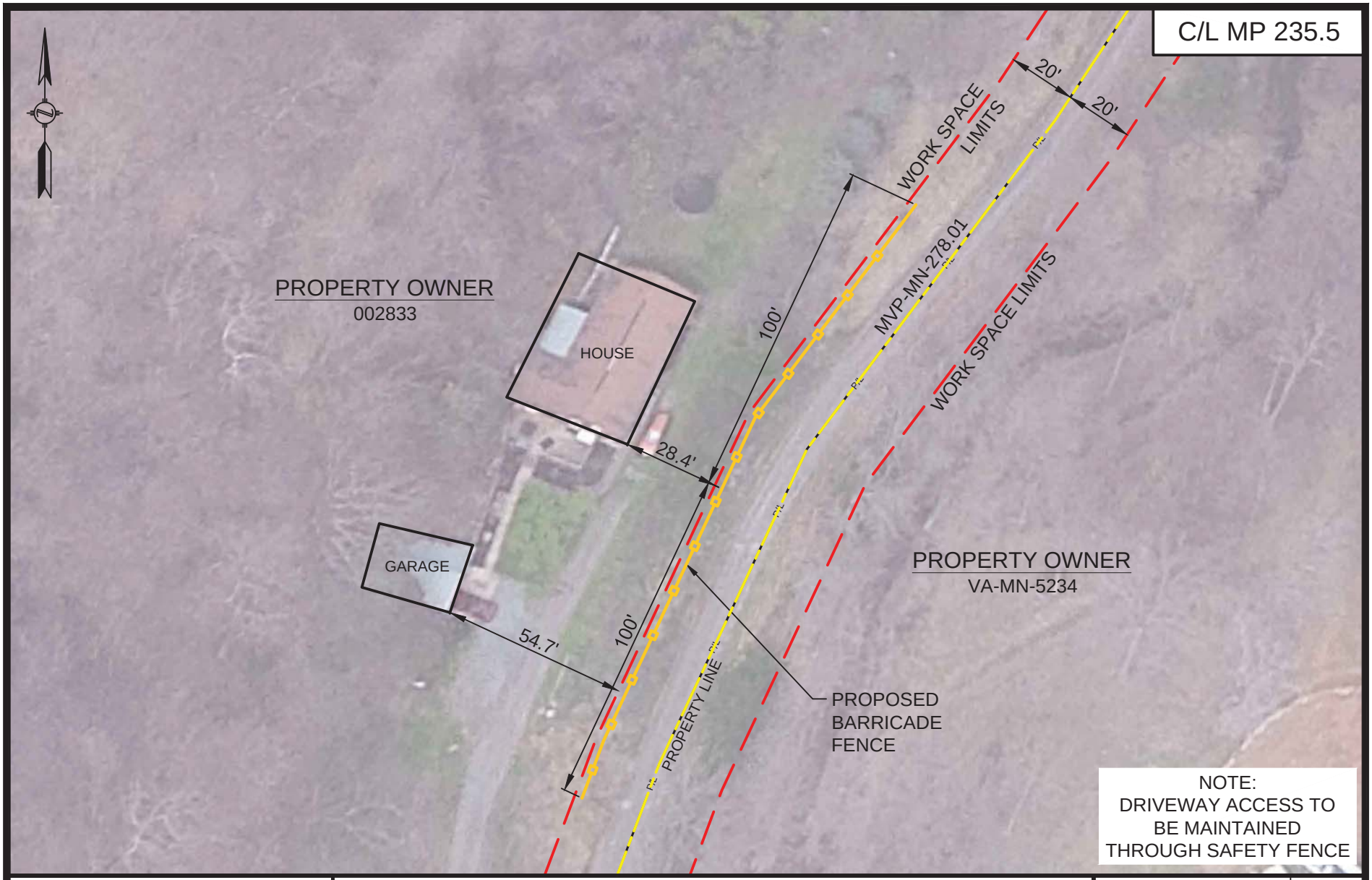

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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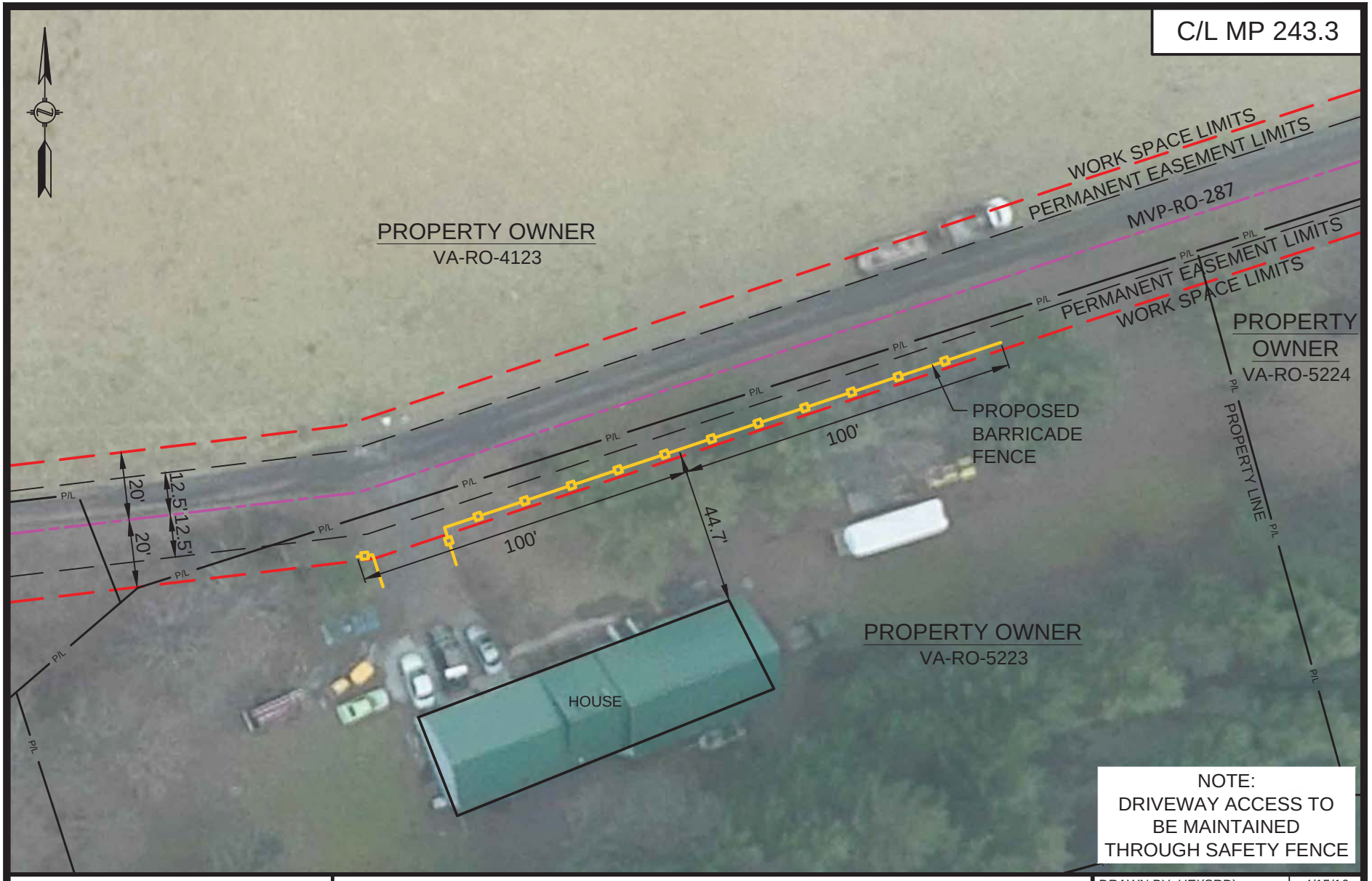

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
ROANOKE COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-94c	
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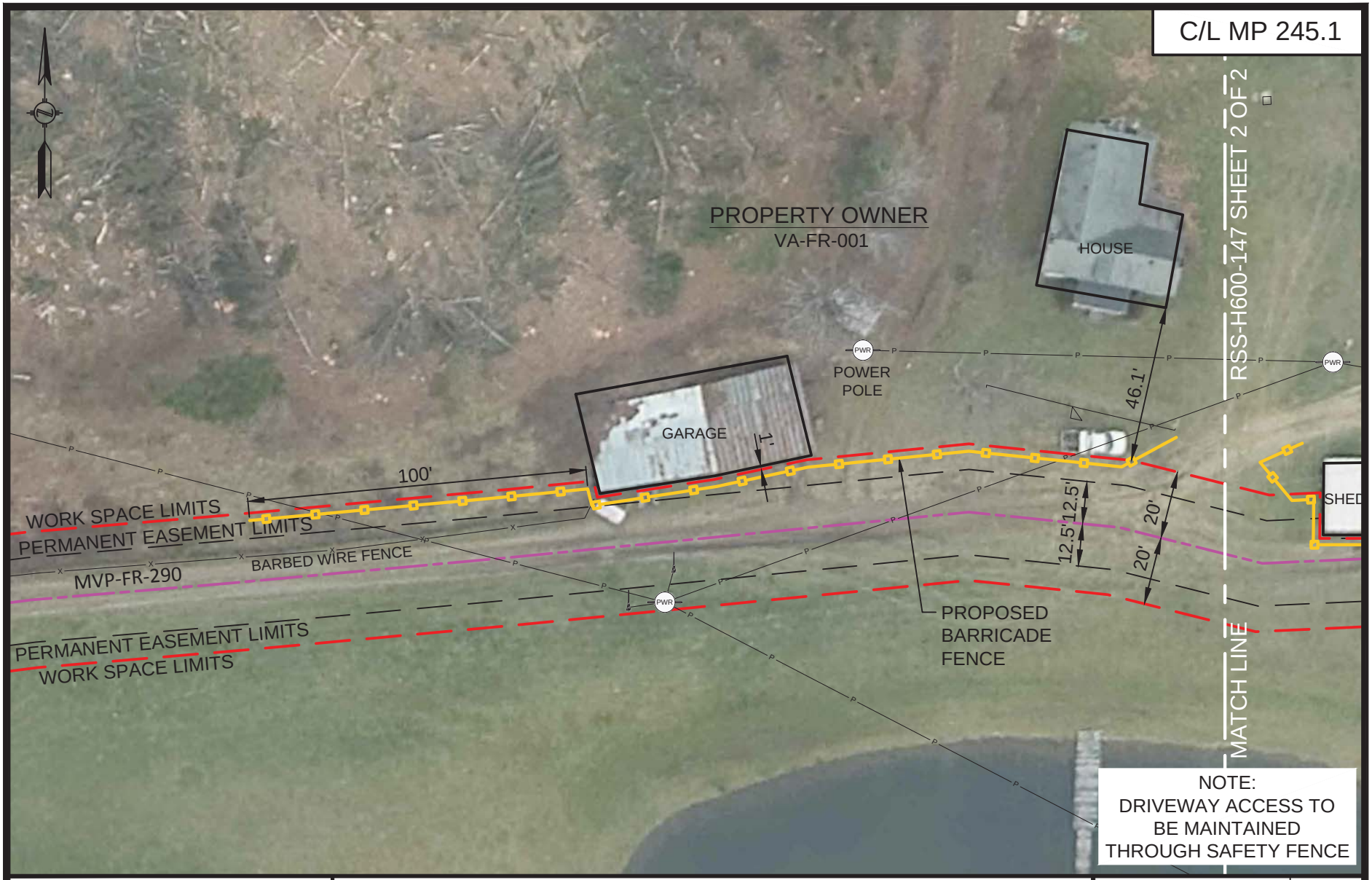

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 2

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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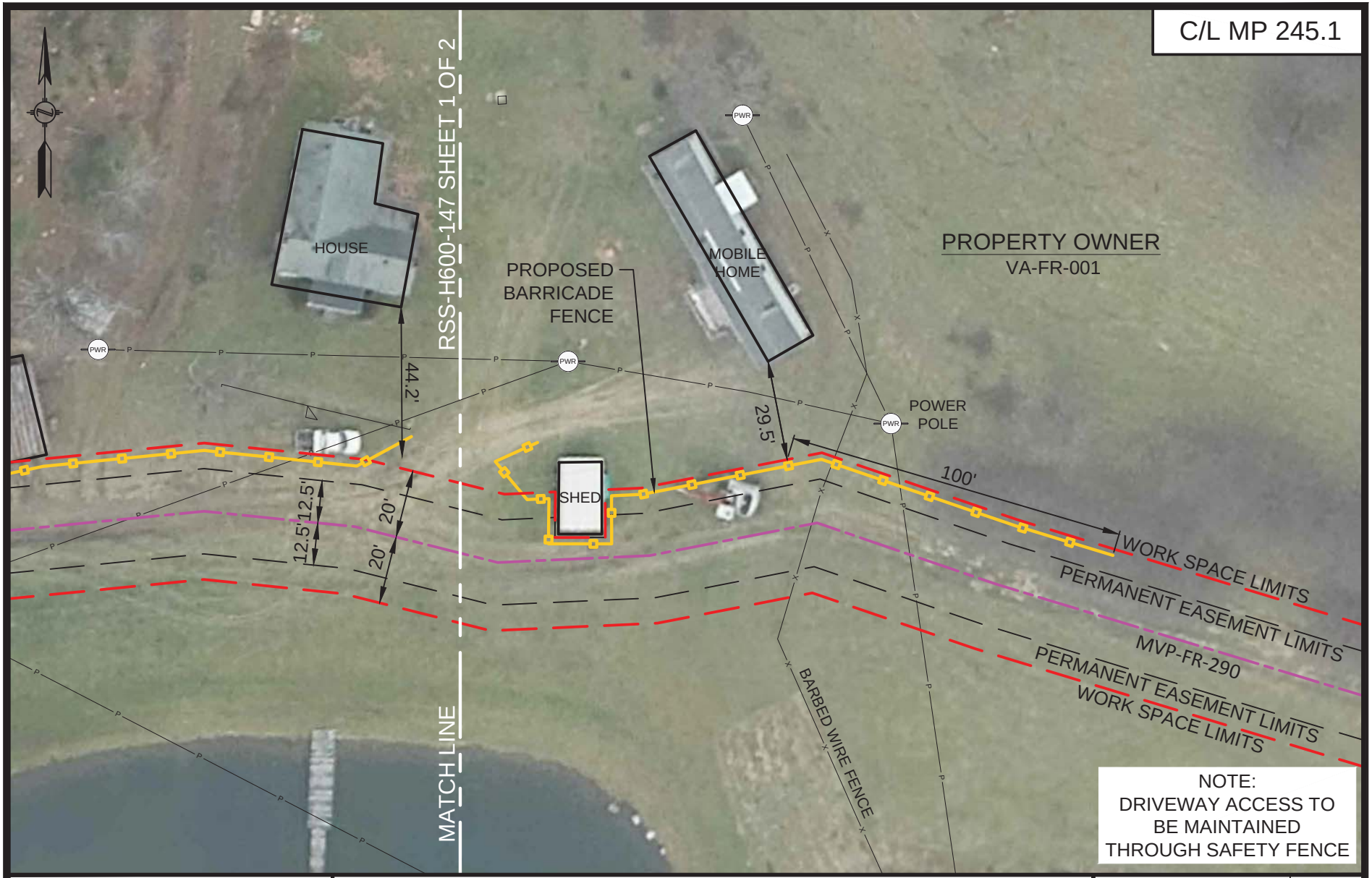

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 2 OF 2

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
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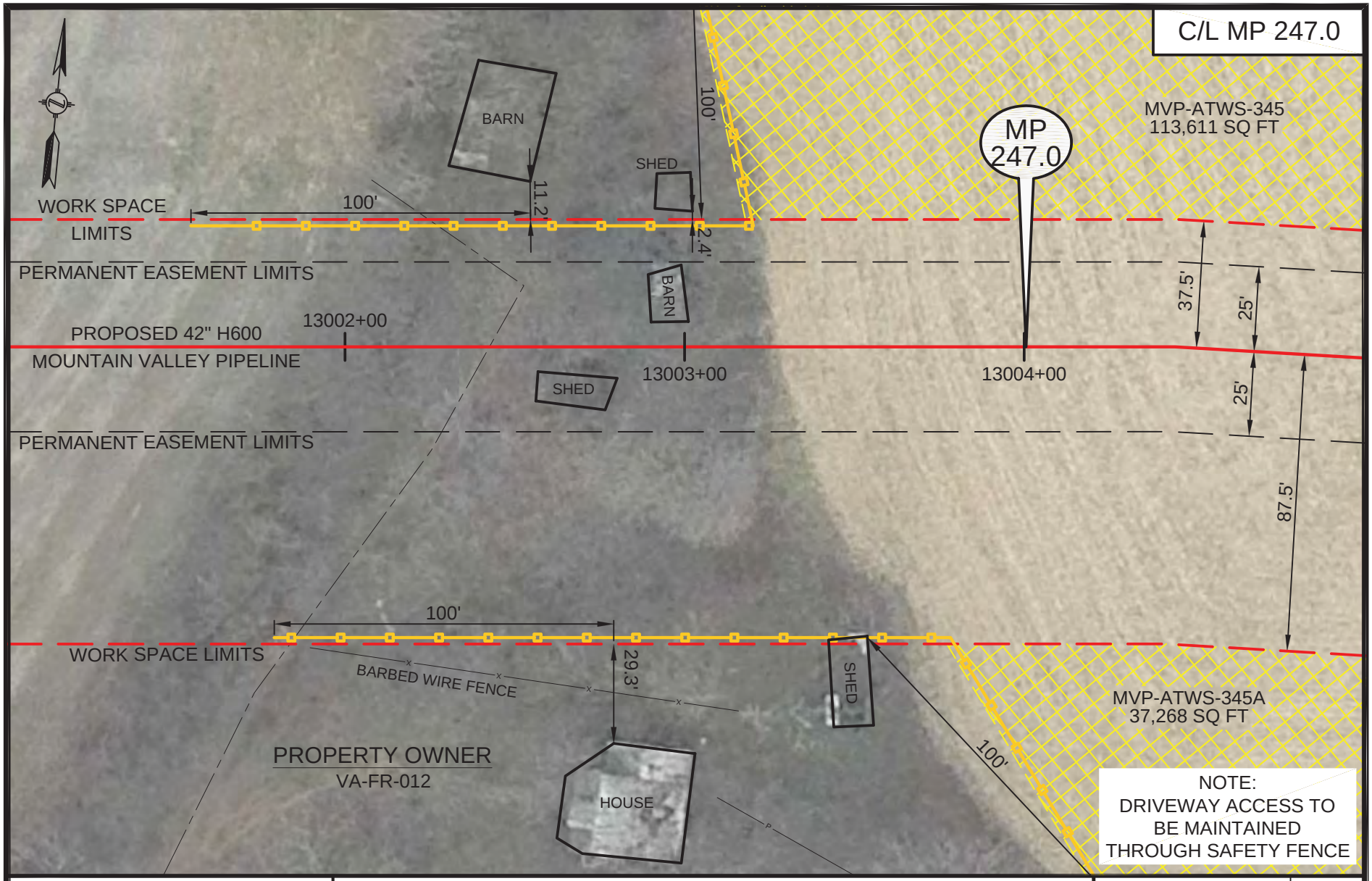

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-03	
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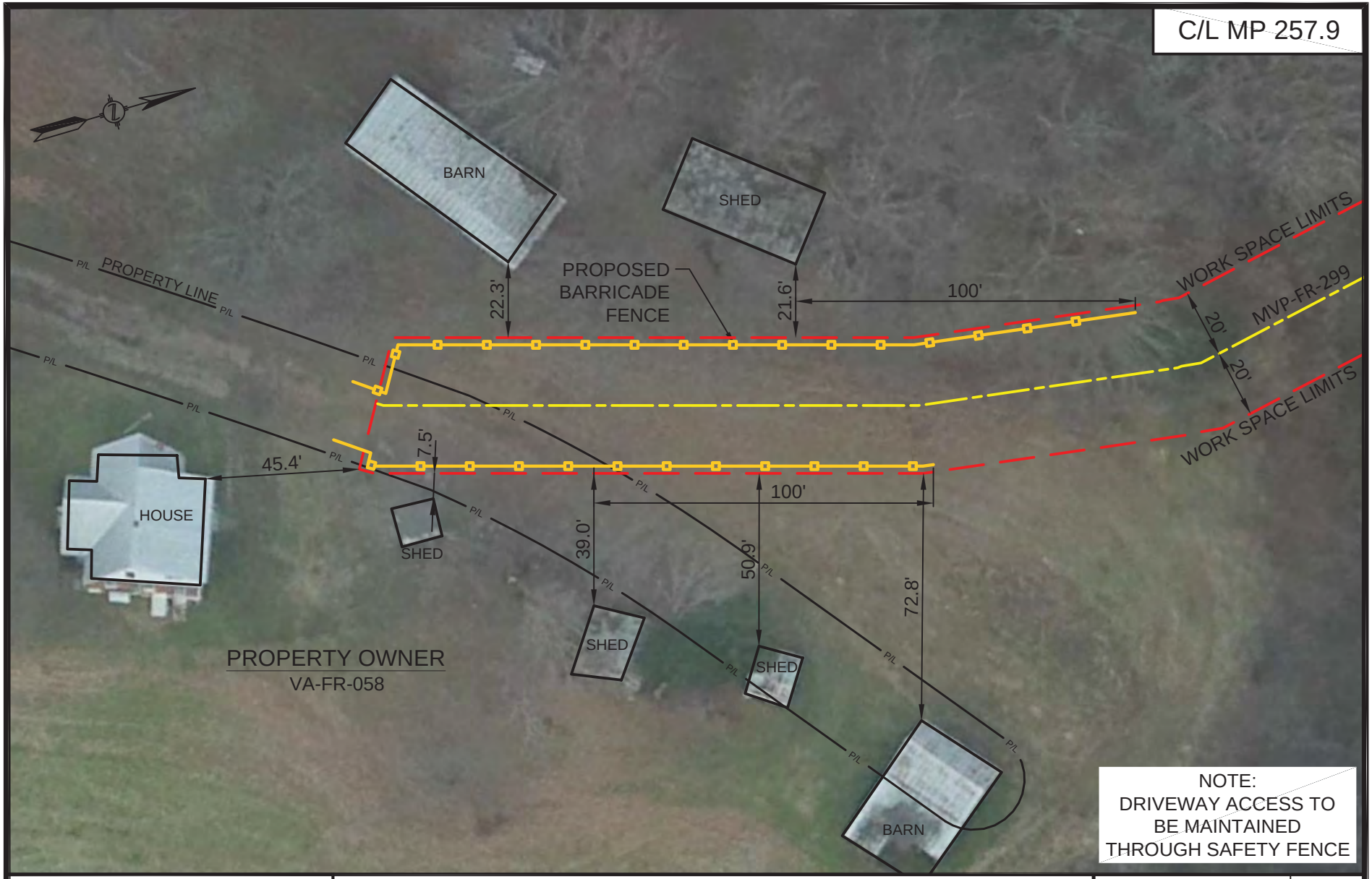

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-14	
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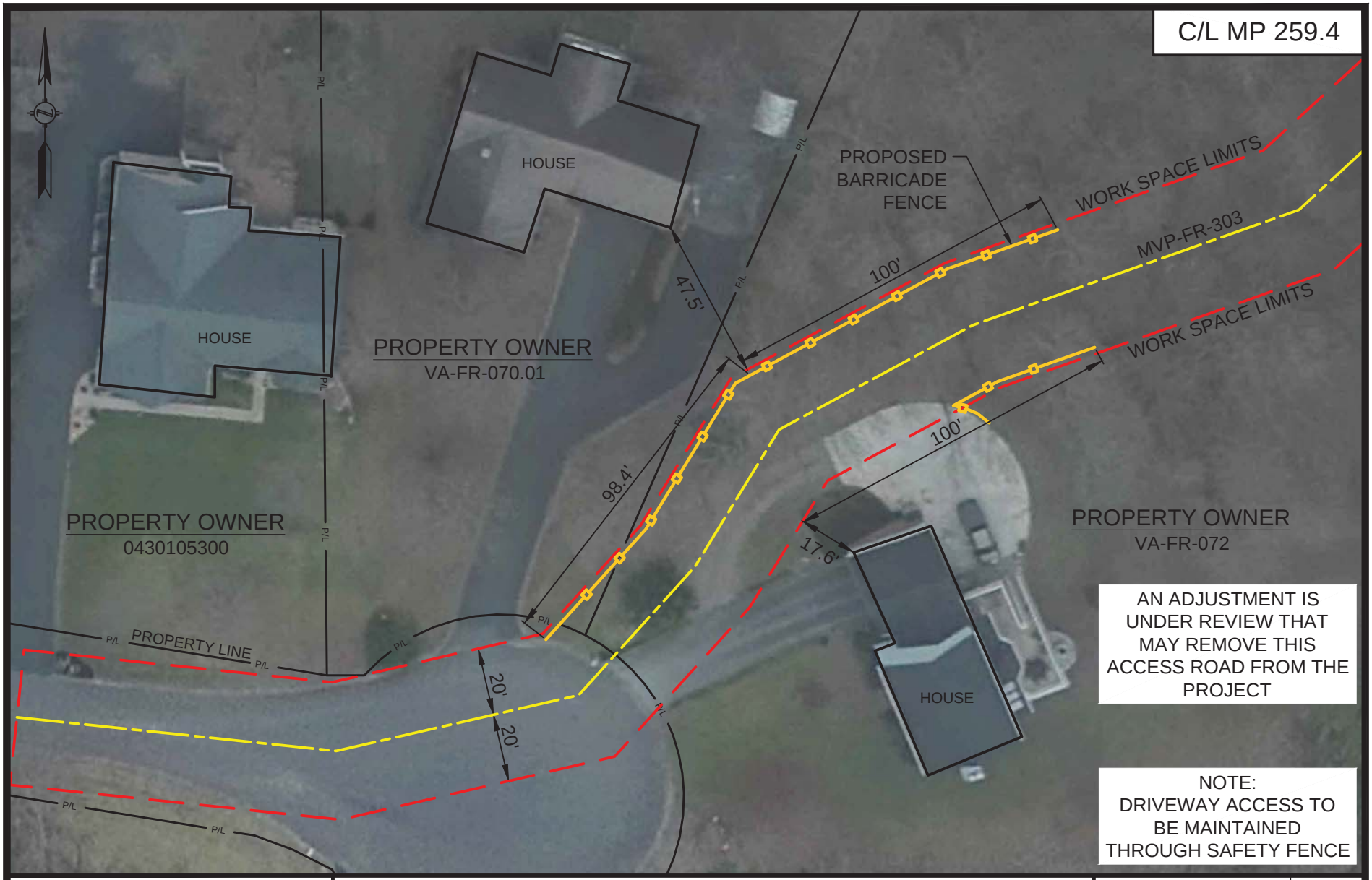

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MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-16	
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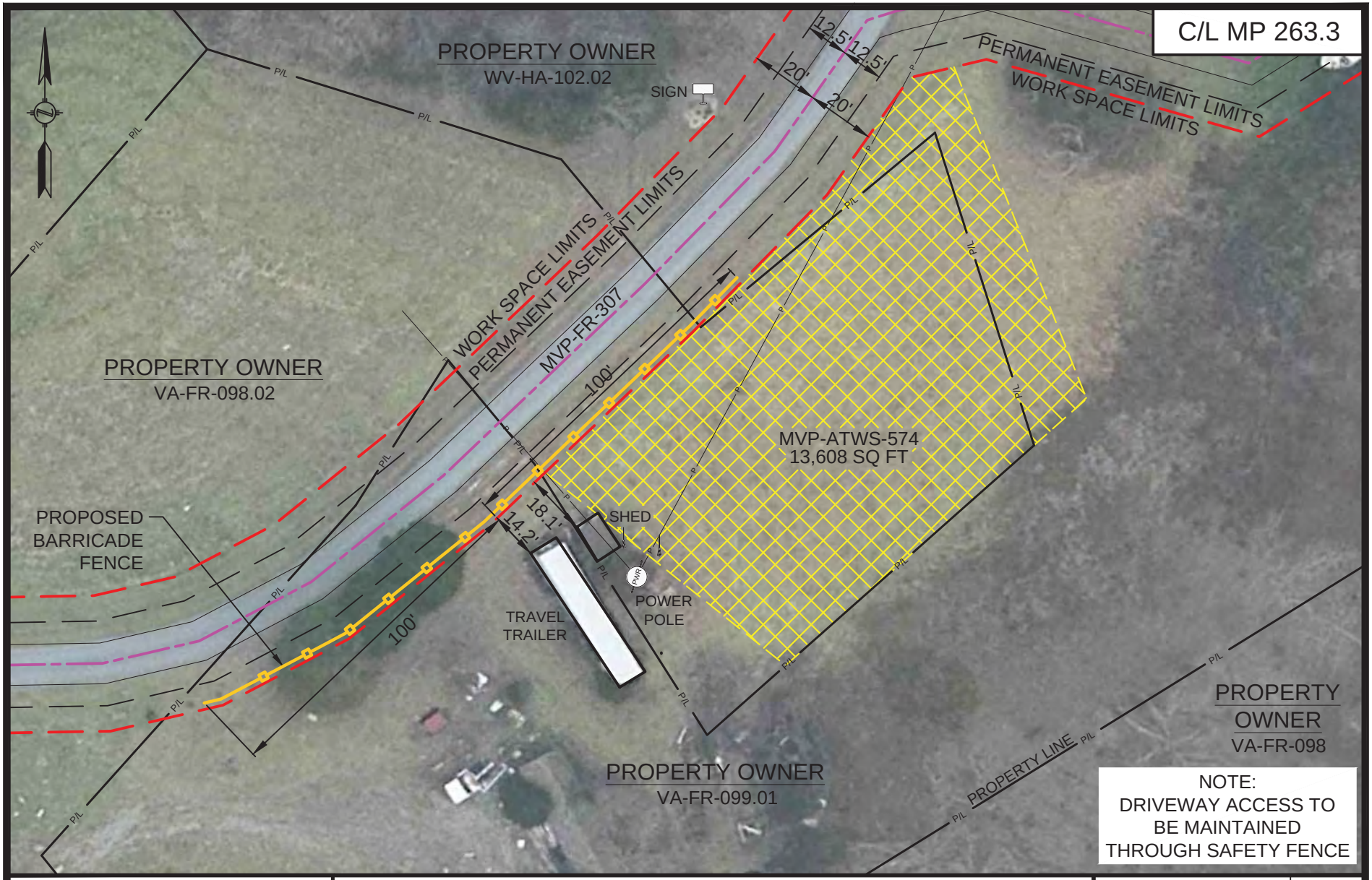

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HEI PROJECT NO.: 14-10-052

Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

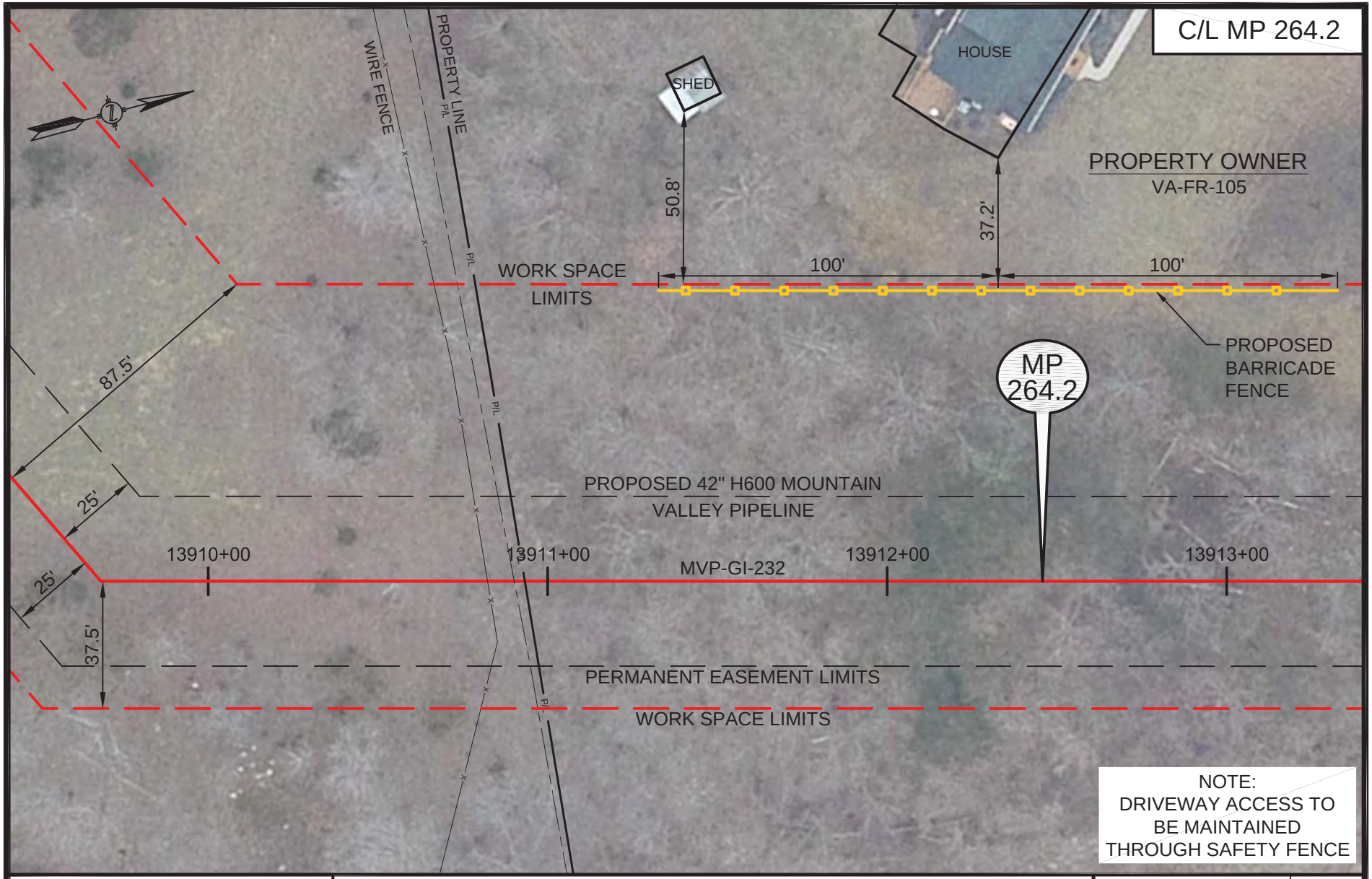
MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-20b	
DRAWING NO.: **RSS-H600-151**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/20/2016 9:08 AM	

Appendix H

H-108



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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-21	
DRAWING NO.: **RSS-H600-152**	
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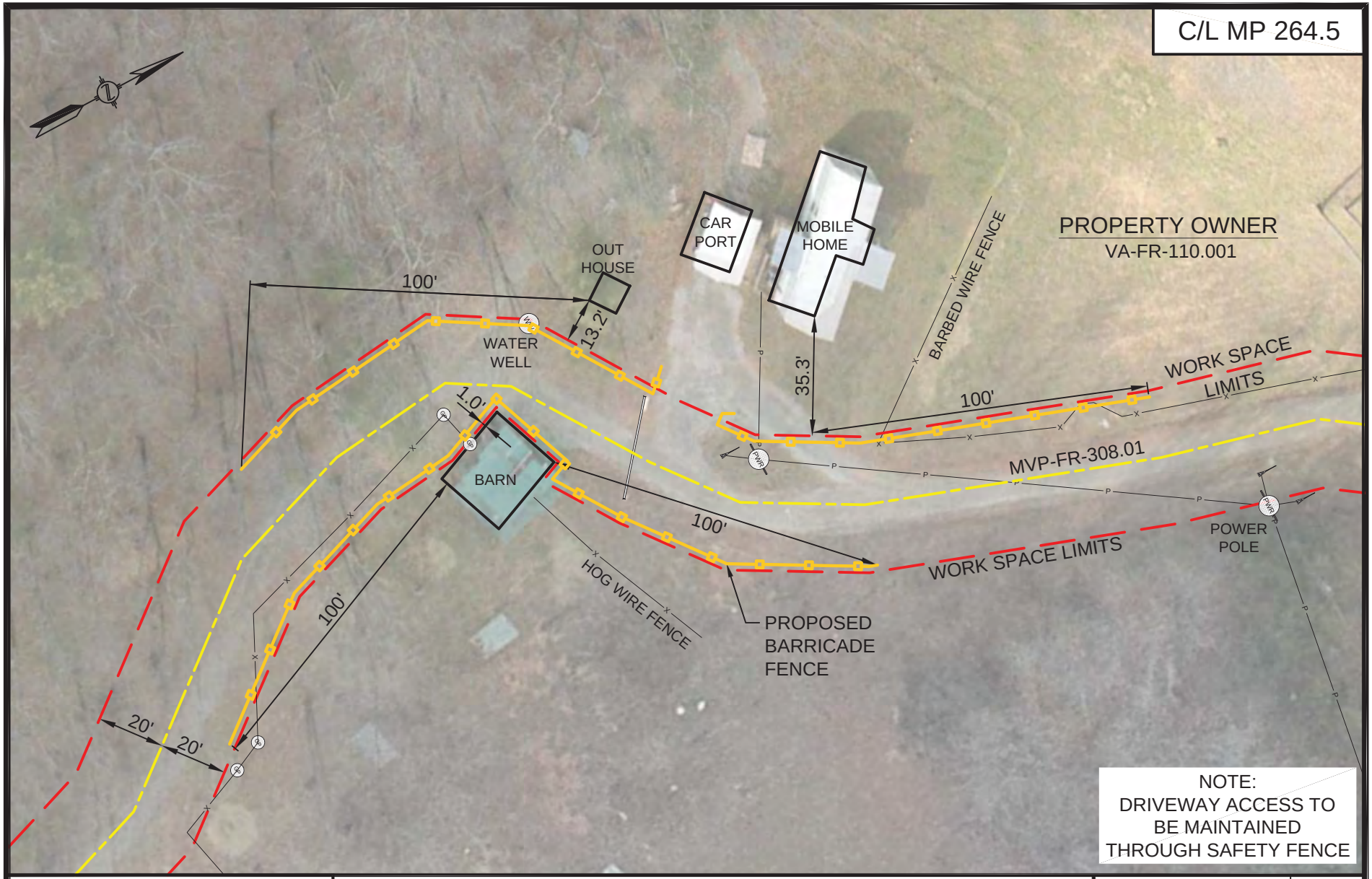

H-109

Appendix H

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CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-99b	
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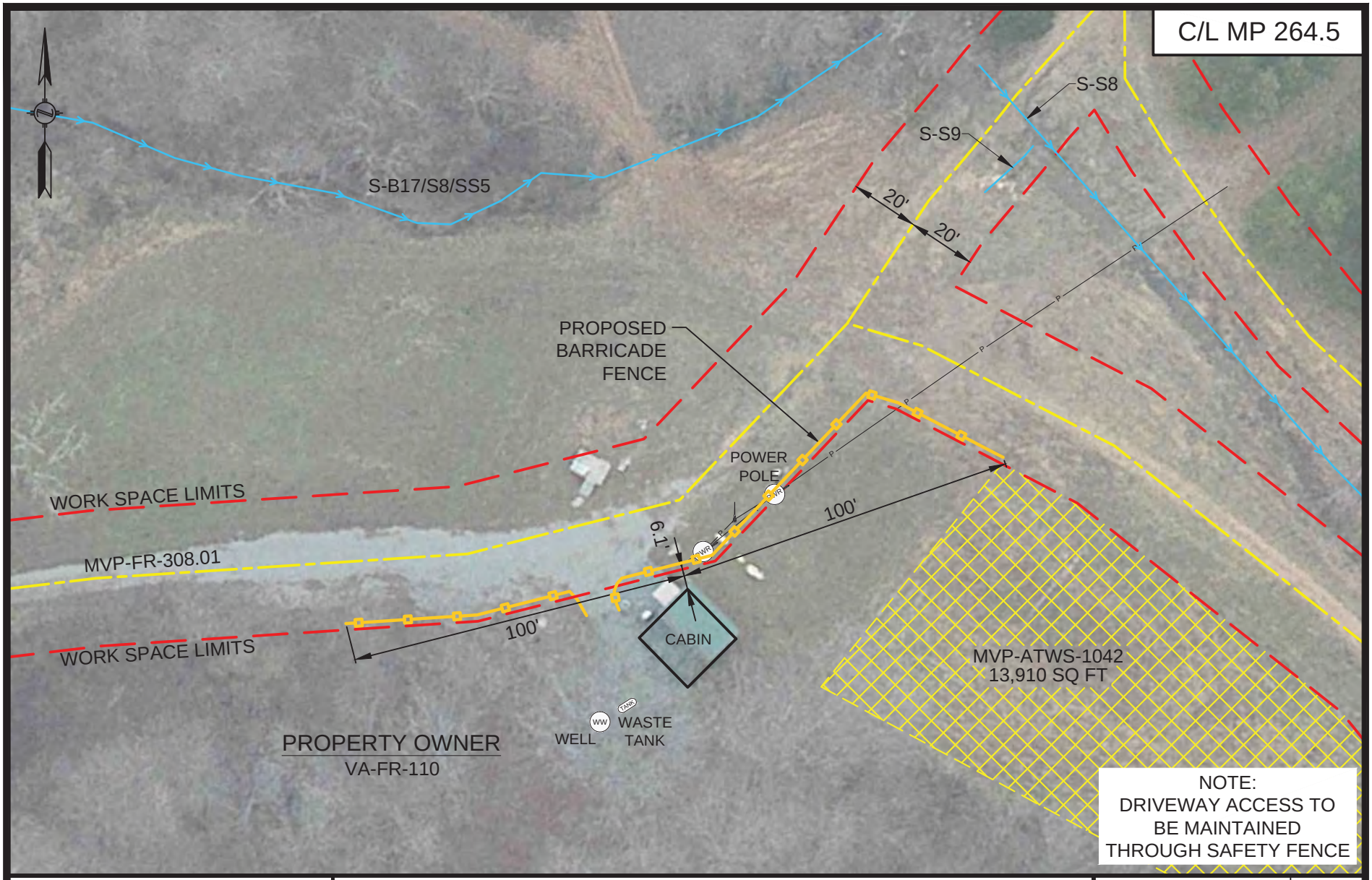

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-22	
DRAWING NO.: **RSS-H600-154**	
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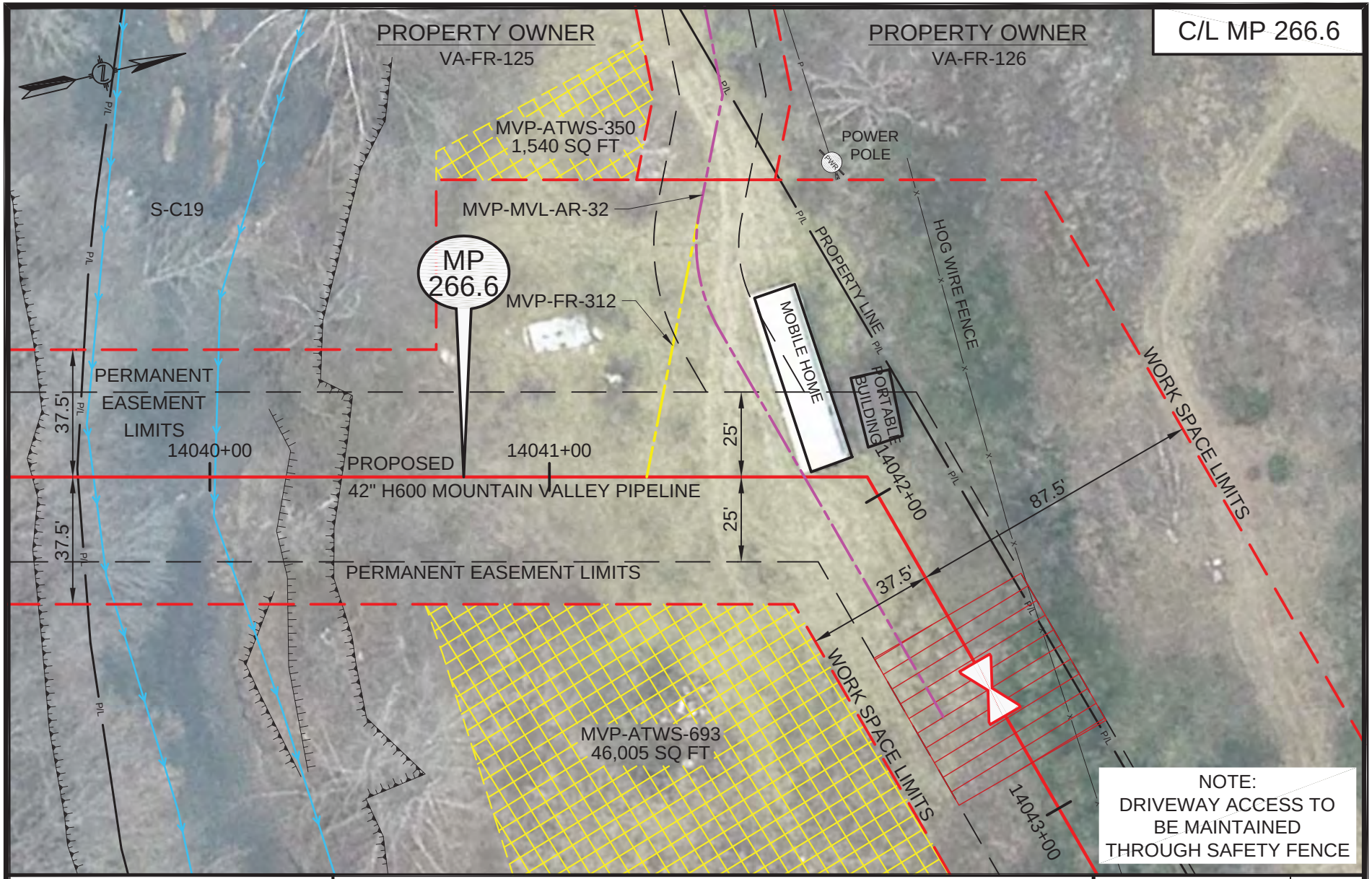

H-111

Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-24	
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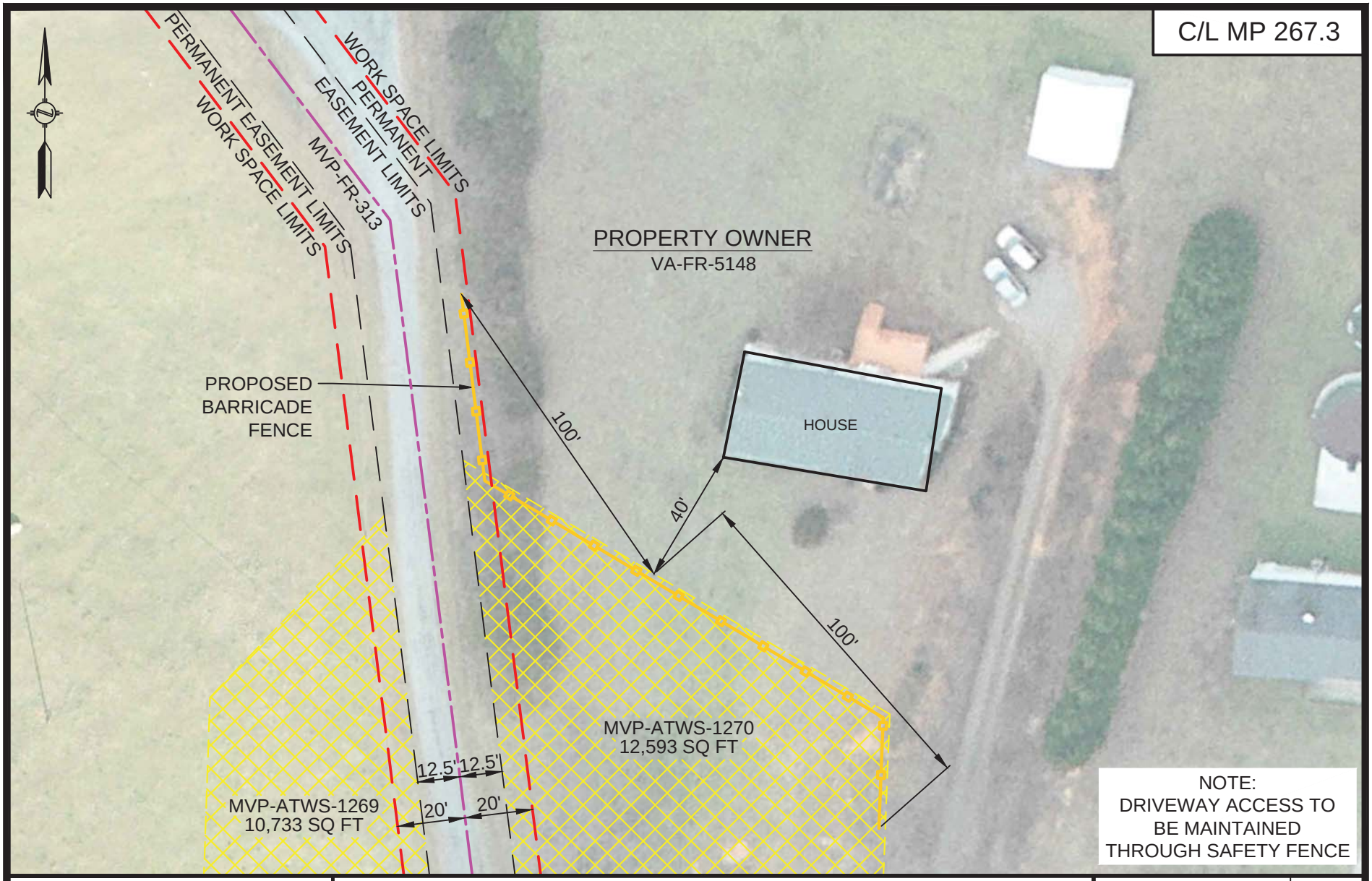

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-101b	
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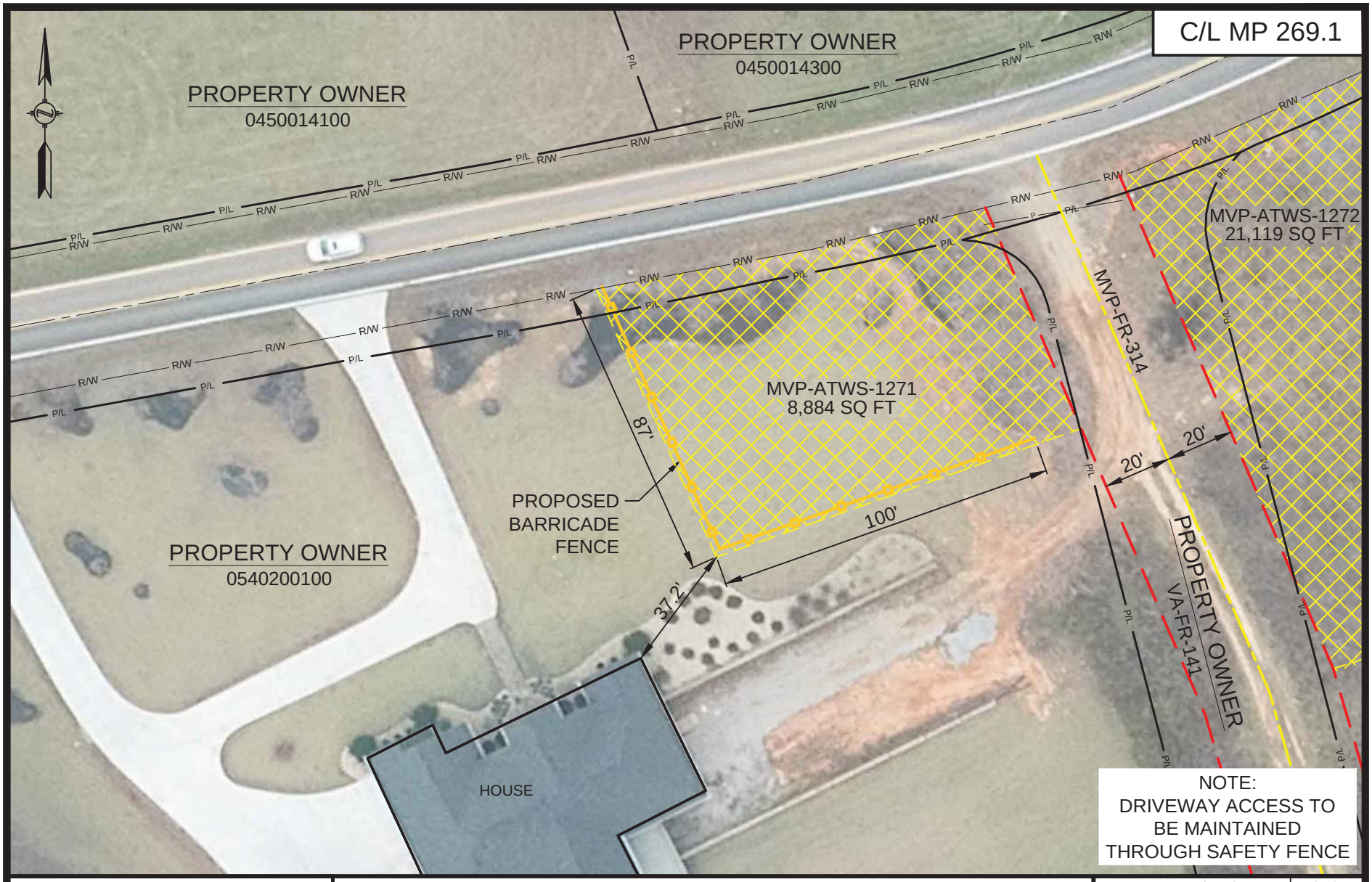

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-101a	
DRAWING NO.: **RSS-H600-157**	
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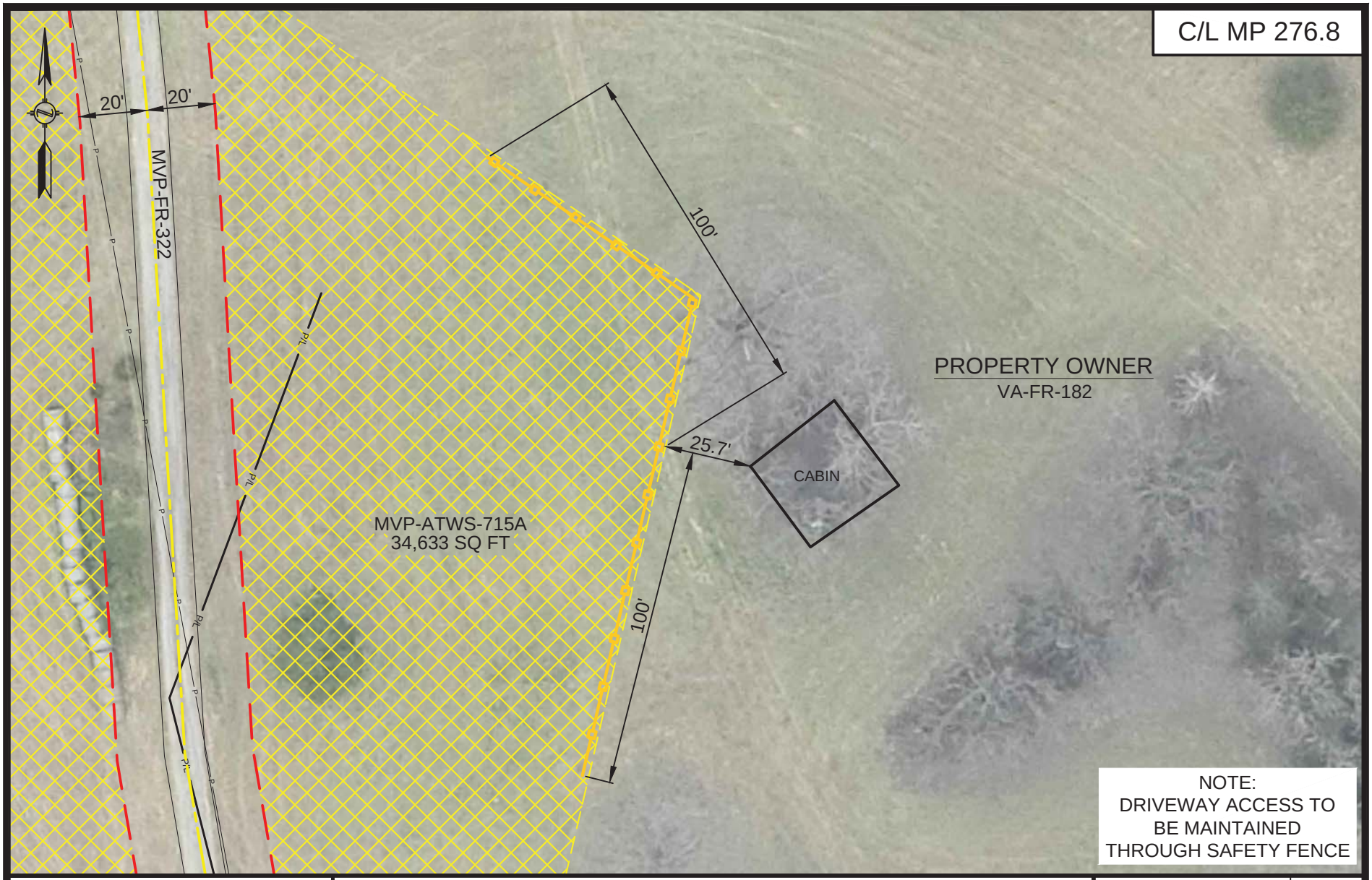

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-FRVA-H600-34	
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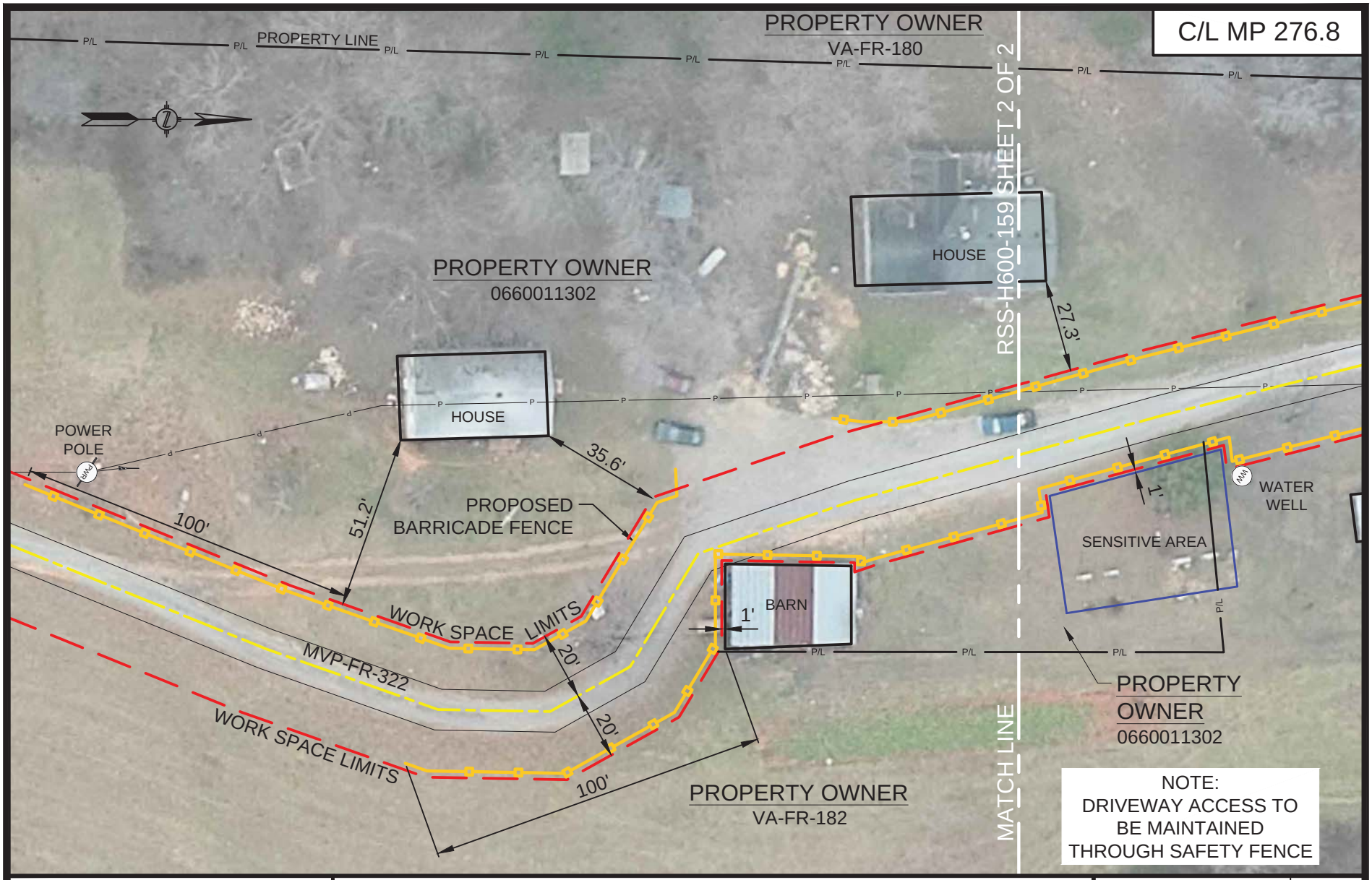

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 1 OF 2

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-102b	
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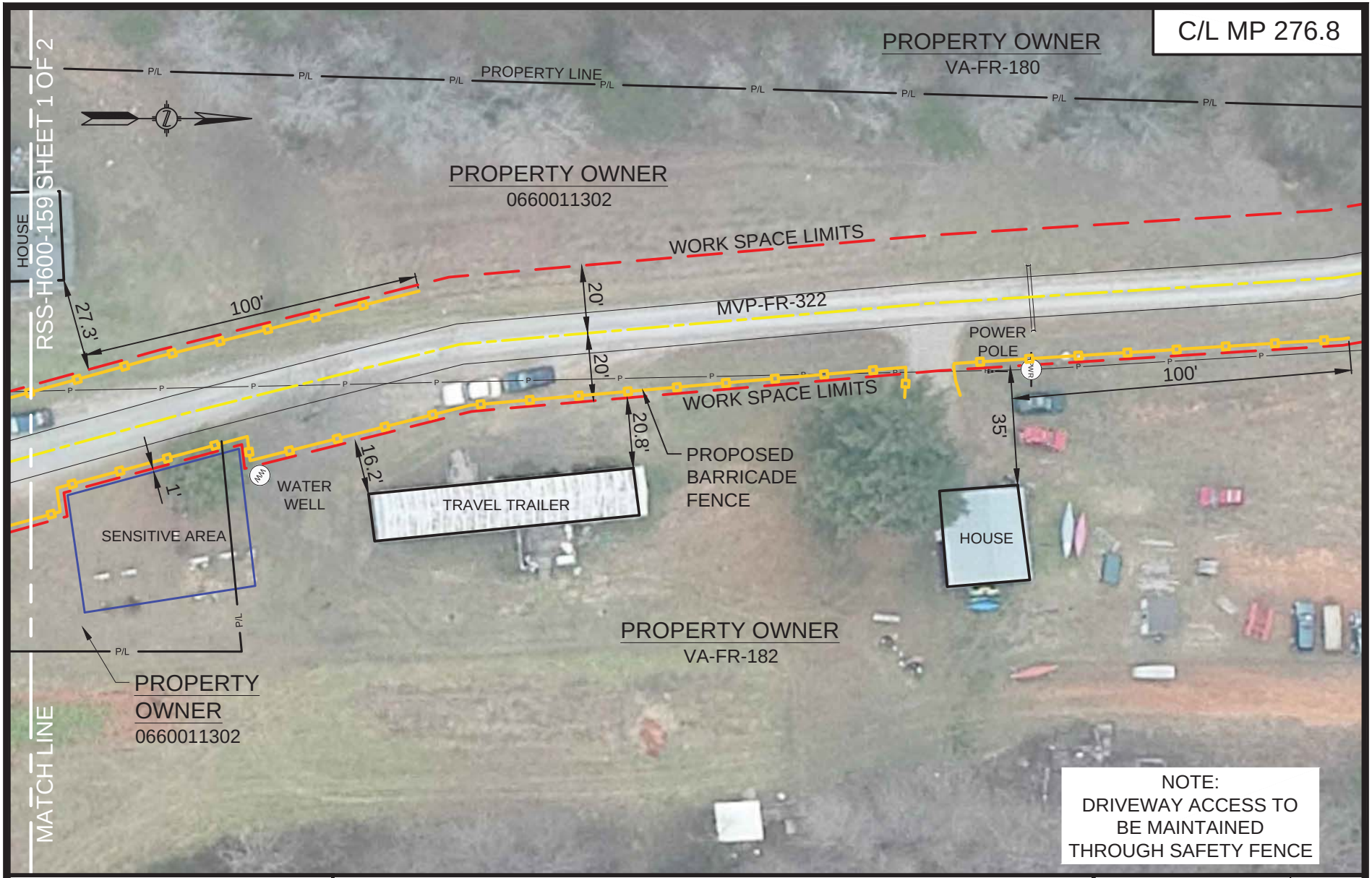

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

SHEET 2 OF 2

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-102b	
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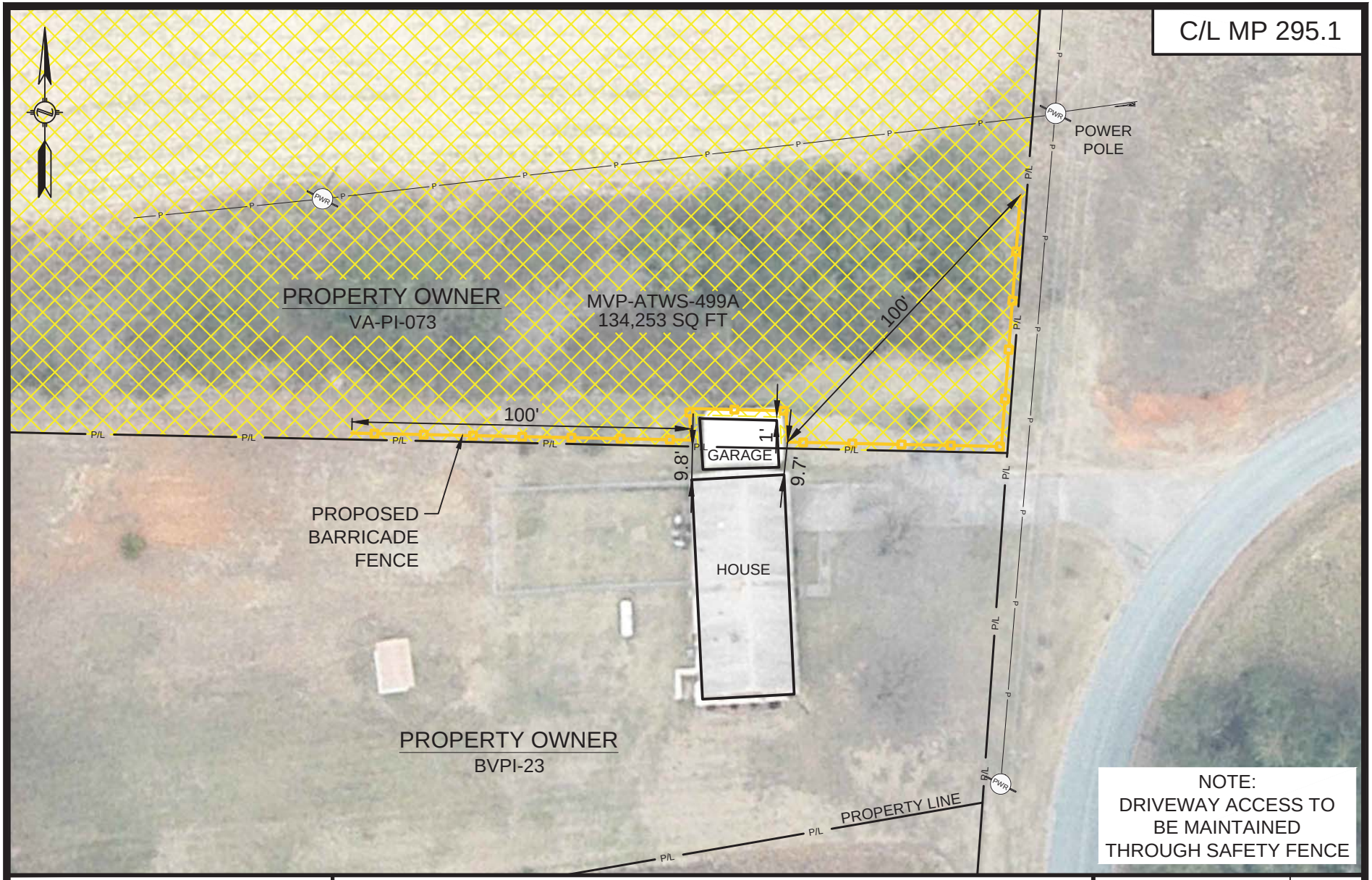

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
PITTSYLVANIA COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-PIVA-H600-14	
DRAWING NO.: **RSS-H600-160**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:13 PM	

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
PITTSYLVANIA COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-105b	
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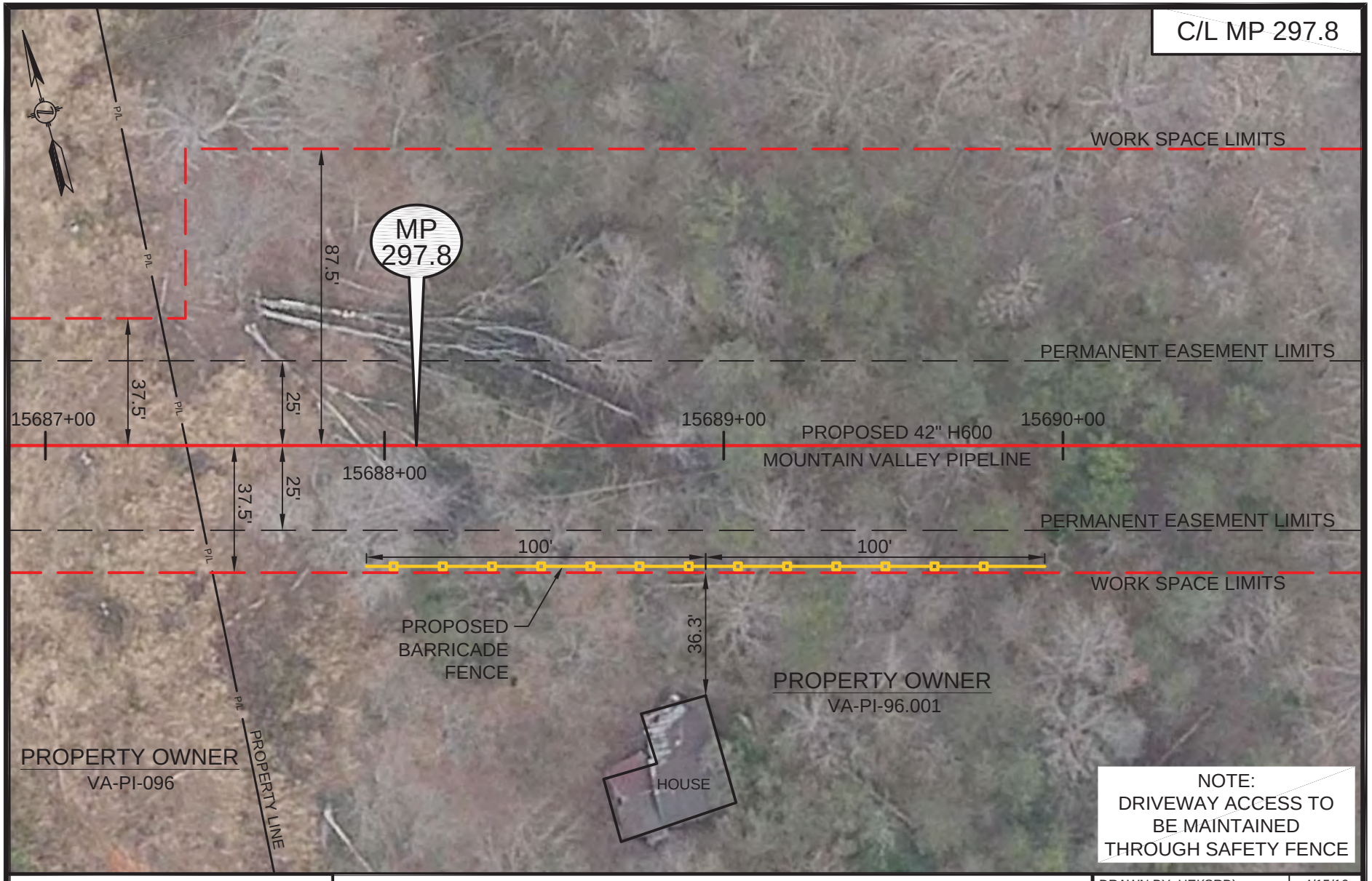

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
PITTSYLVANIA COUNTY, VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	4/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-PIVA-H600-17	
DRAWING NO.: **RSS-H600-162**	
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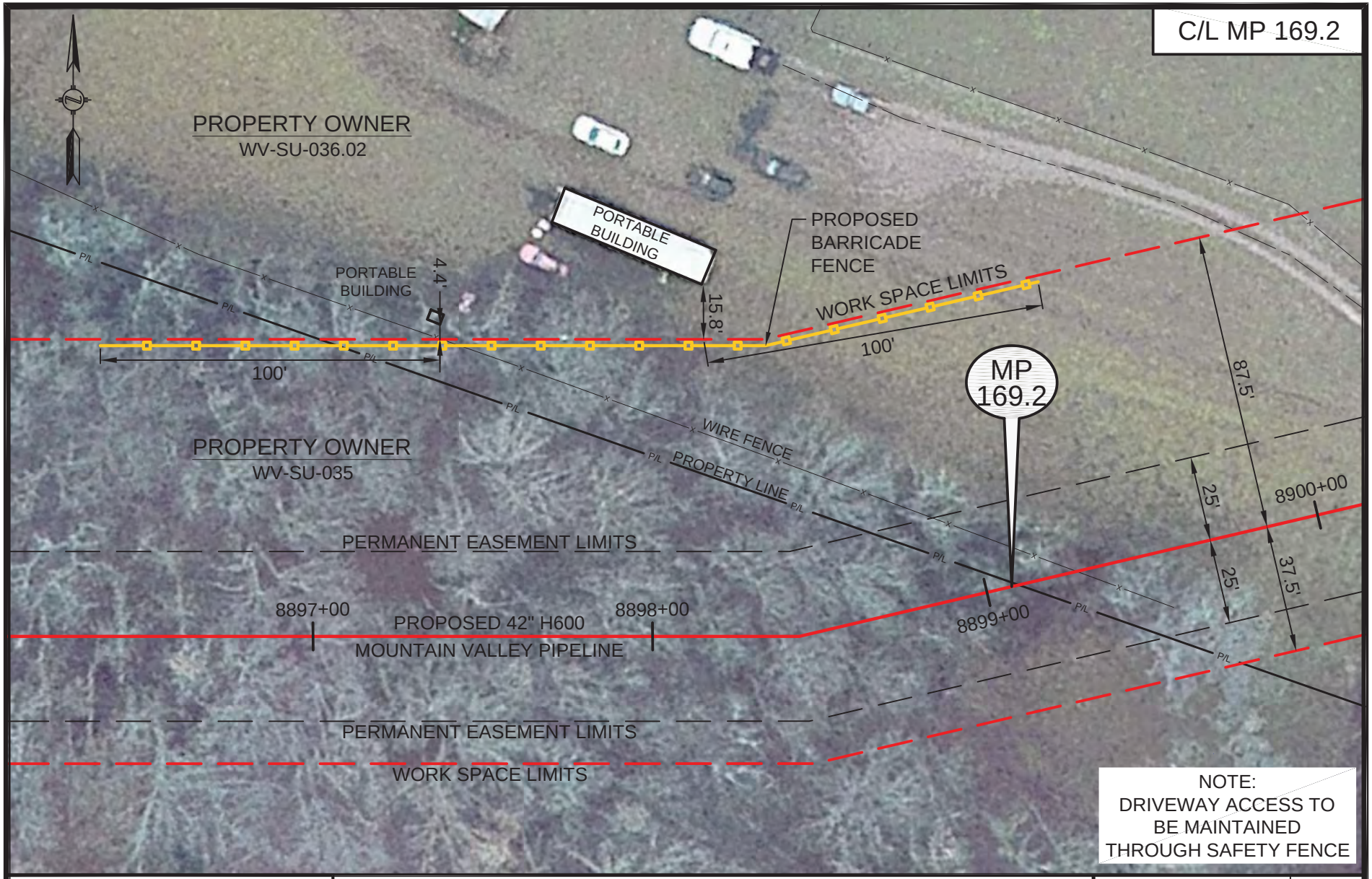

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-SUWV-H600-13	
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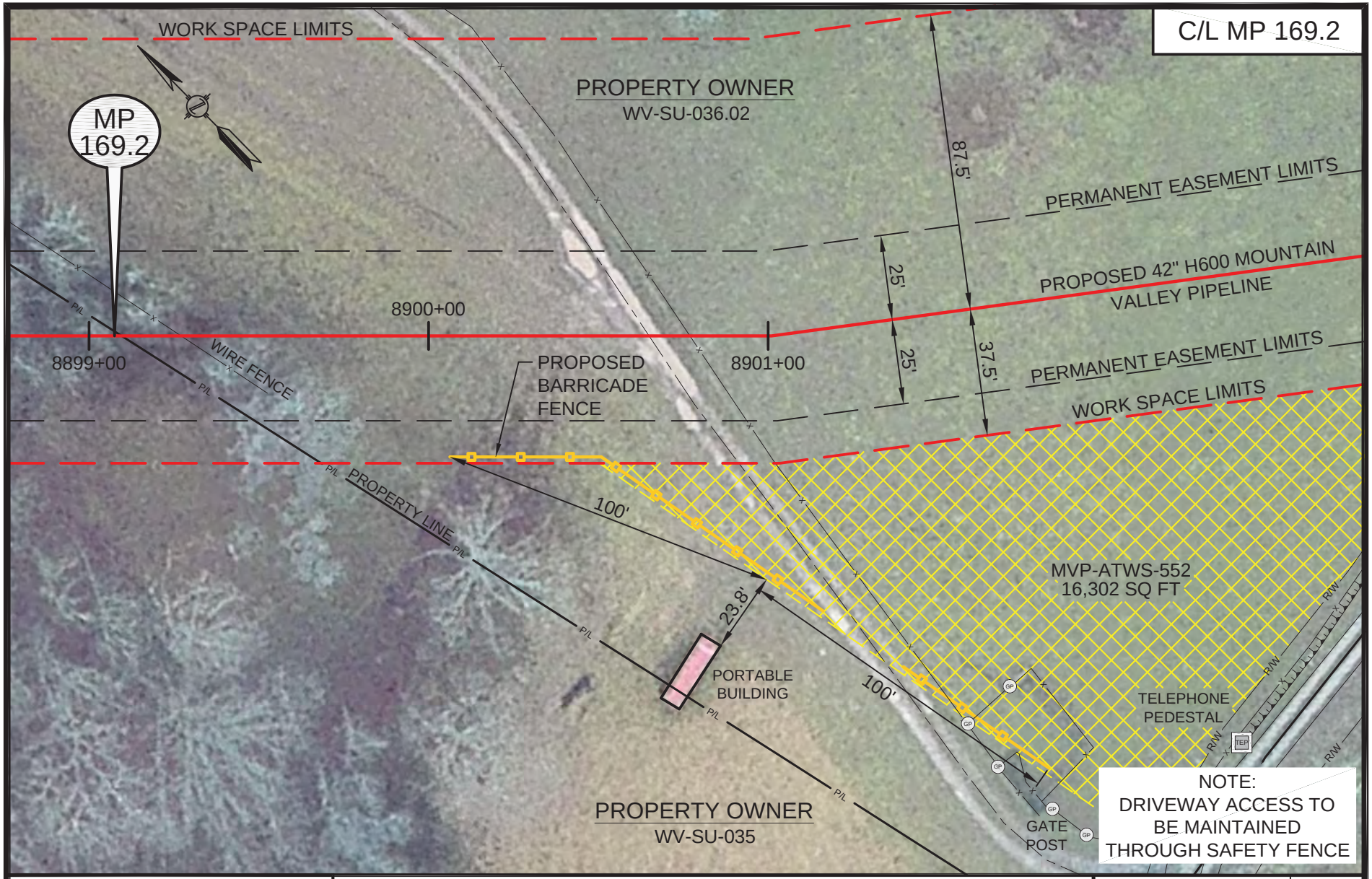

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-SUWV-H600-13	
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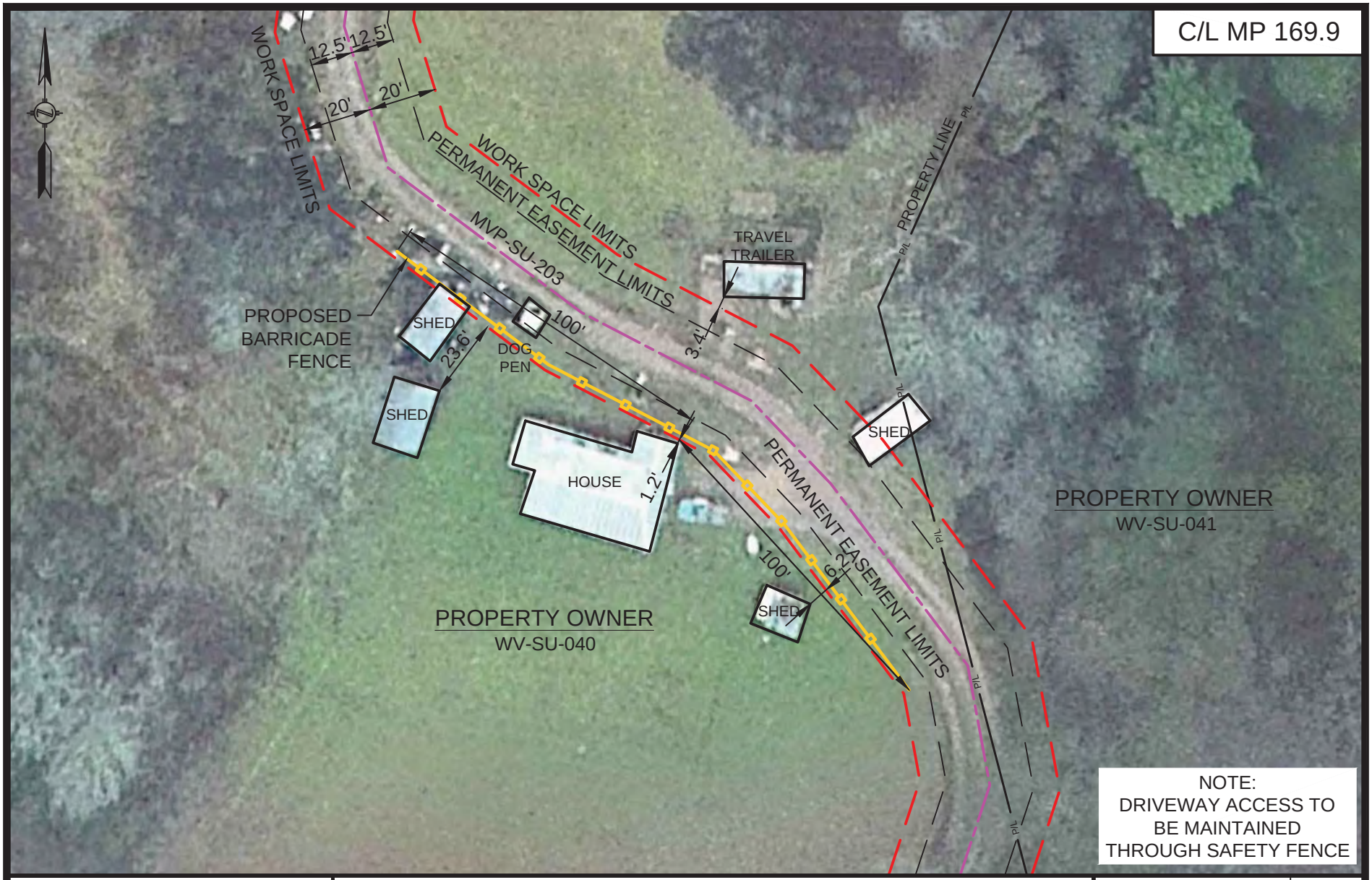

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
DETAIL SHEET: MVP-QDAR-H600-67b	
DRAWING NO.: **RSS-H600-165**	
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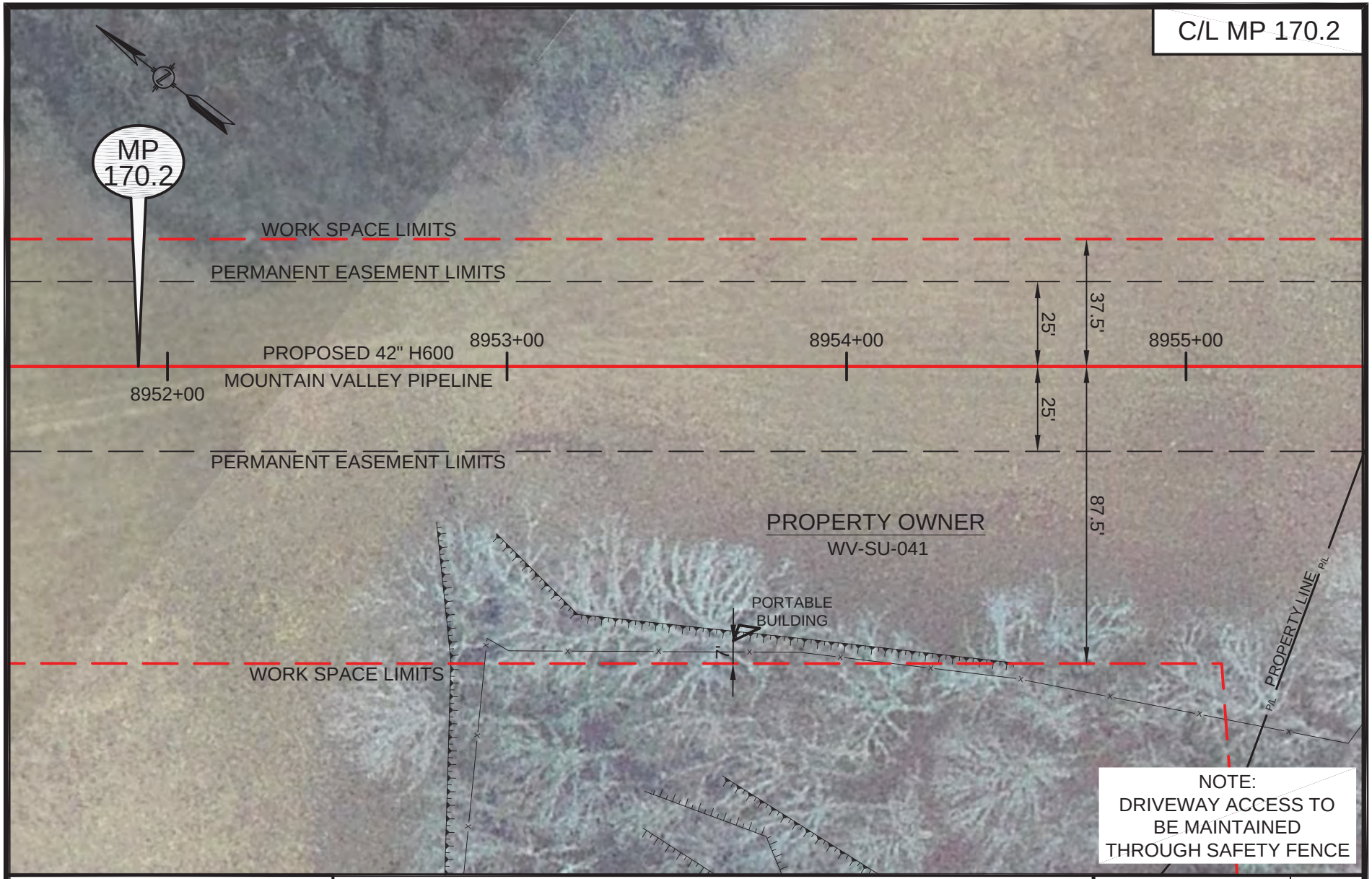

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Appendix H

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-SUWV-H600-15	
DRAWING NO.: **RSS-H600-166**	
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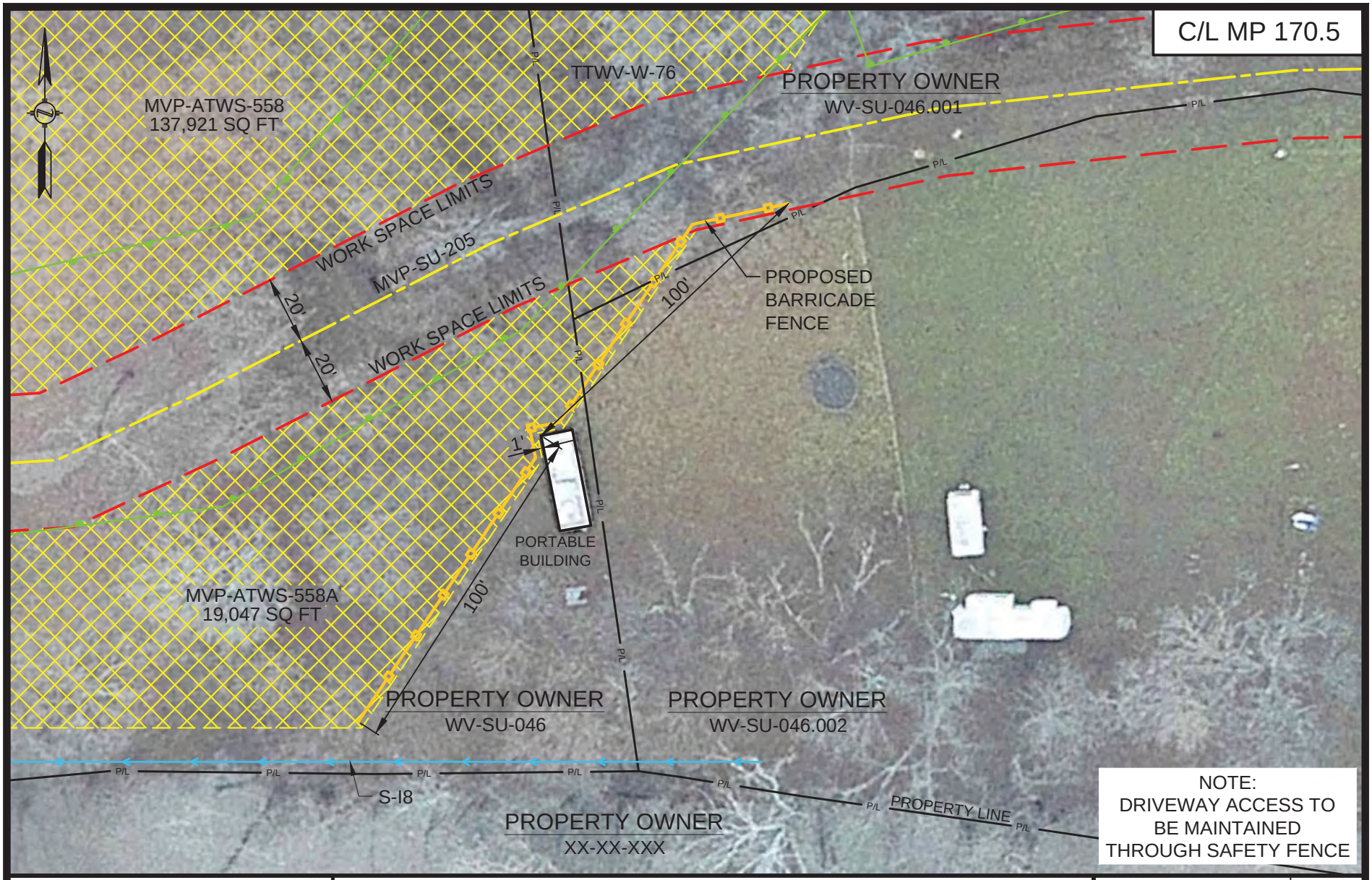

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Mountain Valley PIPELINE

CONSTRUCTION DETAILS - RESIDENTIAL SITE SPECIFIC

MOUNTAIN VALLEY PIPELINE PROJECT
PROPOSED H-600 PIPELINE
SUMMERS COUNTY, WEST VIRGINIA

SHEET 1 OF 1

DRAWN BY: HEI(SRD)	04/15/16
DRAFTING CK:	
ENVIRONMENTAL CK:	
ENGINEERING CK: .	.
ALIGN. SHEET: PA-SUWV-H600-16	
DRAWING NO.: **RSS-H600-167**	
SCALE: 1" = 40'	REV. 0
DATE OF PLOT: 4/18/2016 5:14 PM	

LEGEND

- PROPOSED H600 PIPELINE
- PROPOSED PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- TEMPORARY ACCESS ROAD
- ROAD RIGHT-OF-WAY
- PROPERTY LINE
- FENCE
- TOP OF BANK
- TOE OF BANK
- STREAM
- MAILBOX
- FIRE HYDRANT
- GUY ANCHOR - POWER POLE
- LINE MARKER
- SIGN

PROJECTION: UTM ZONE 17
HORIZONTAL DATUM: NAD 83 US SURVEY FEET
VERTICAL DATUM: NAVD88

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
---	---

REVISIONS

REV.	BY	DATE	DESCRIPTION
---	---	---	---

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APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE
-	---	-/--/-	-	---	-/--/-

HORZ. SCALE: 1" = 40'
DRAWN BY: HEI(DRF) 1/13/2016
DRAFTING CK: -
ENGINEERING CK: -
UEI JOB NO.:
AFE/P.O.NO.:
HEI PROJECT NO.: 14-10-052
UEI FILE NO.
DRAWING NO.:
RSS-H600-103
SHEET 1 OF 1 0
DATE OF PLOT: 4/18/2016 5:16 PM

Mountain Valley PIPELINE

CONSTRUCTION DETAILS
RESIDENTIAL SITE SPECIFIC
MVP PIPELINE PROJECT
PROPOSED H600 PIPELINE
GILES COUNTY, VIRGINIA

LEGEND

- PROPOSED H600 PIPELINE
- PROPOSED PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- TEMPORARY ACCESS ROAD
- PROPOSED BARRICADE FENCE
- ROAD RIGHT-OF-WAY
- PROPERTY LINE
- CENTERLINE ROAD
- FENCE
- OVERHEAD POWER LINE
- CENTERLINE FIELD ROAD
- STREAM
- POWER POLE
- GUY ANCHOR
- GATE POST

PROJECTION: UTM ZONE 17
HORIZONTAL DATUM: NAD 83 US SURVEY FEET
VERTICAL DATUM: NAVD88

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
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REVISIONS

REV.	BY	DATE	DESCRIPTION
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HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116
26555 Evergreen Rd. Suite 430
Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549
www.hollandengineering.com

APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE
.	...	.....	.	...	.....

HORZ. SCALE: 1" = 100'
DRAWN BY: HEI(DBF) 1/13/2016
DRAFTING CK:
ENGINEERING CK:
UEI JOB NO.:
AFE/P.O.NO.:
HEI PROJECT NO.: 14-10-052
UEI FILE NO.
DRAWING NO.: RSS-H600-104
SHEET 1 OF 1 0
DATE OF PLOT: 4/18/2016 5:16 PM

Mountain Valley PIPELINE

CONSTRUCTION DETAILS
RESIDENTIAL SITE SPECIFIC
MVP PIPELINE PROJECT
PROPOSED H600 PIPELINE
FRANKLIN COUNTY, VIRGINIA

APPENDIX I

Minor Route Variation Requests Reported by Stakeholders That Have Been Resolved

APPENDIX I

Minor Route Variation Requests Reported by Stakeholders That Have Been Resolved

FERC ID / Accession Number	Parcel Number	MP	Summary of Issues	Mountain Valley's Response / Current Status
20151125-5166	WV-HA-3906 (AR HA-18), WV HA-003, WV HA-005	9.70, 9.91, 9.98	Landowner concerned about proximity to house and driveway access to house.	Mountain Valley had previously stated it was continuing to evaluate alternative pipeline routes to increase the distance to the house and is continuing to coordinate with the landowner on the use of the access road for temporary construction access. In its EIR response dated July 18, 2016, Mountain Valley indicated that "potential impacts to resources on this property have been resolved."
20151016-0056	MVP-ATWS-779	35.9	Landowner requested a re-route to avoid construction equipment using a single lane dirt road that the landowner uses to access farm.	The temporary workspace originally proposed on this landowner's property has been removed.
20151116-0091	MVP- ATWS-779	35.9	Landowner concerned about use of road to house and road not being suitable for heavy equipment.	The temporary workspace originally proposed on this landowner's property has been removed.
20151120-0011	MVP- ATWS-779	35.9	Landowner concerned about use of road to house and road not being suitable for heavy equipment.	The temporary workspace originally proposed on this landowner's property has been removed.
20150420-5197	MVP-ATWS-310	169.8	Landowner requested a re-route to avoid impacts to a recreational fishing stream and proximity to a school.	The additional temporary workspace on this landowner's property has been removed.
20160127-0019	VA-GI-200.044, 200.045	215.5	Landowner requested a re-route to minimize splitting the property in two by the proposed pipeline route and minimizing impacts to springs on the property.	The proposed alignment has been modified to reduce impacts to residences and to avoid karst features on the property.
20150901-5075	VA-MO-019	234.8	Landowner requested a re-route to minimize impacts associated with the proposed compressor station location and forested land on property.	The pipeline location has been relocated 1,600 feet from the residence and the compressor station at this location is no longer being pursued.

APPENDIX I (continued)

Minor Route Variation Requests Reported by Stakeholders That Have Been Resolved

FERC ID / Accession Number	Parcel Number	MP	Summary of Issues	Mountain Valley's Response / Current Status
20150420-5280	VA-MO-019	234.8	Landowner requested a re-route to place the pipeline route further from the residence and to minimize impacts to the water supply.	The pipeline route has been modified to adopt the landowner's suggested route on the side of this property.
20150224-5187	VA-RO-048	241.2	Landowner requested a re-route to avoid impacts to farmland.	This comment relates to an alternative pipeline route that is no longer being evaluated. The property is not located on the proposed pipeline route.
20150612-0012	VA-PI-055	292.4	Landowner concerned about pipeline route impacts to water resources, geology, and cultural resources on property.	The pipeline route has been modified to avoid this property.
20150604-0050	VA-PI-055	292.45	Landowner requested a re-route to avoid Cherry Creek on the property due to concerns about impacts associated with sedimentation during construction.	The pipeline route has been modified to avoid this property.
20150109-0015	VA-PI-075, VA-PI-076	295.2	Landowner requested a re-route to avoid impacts on cultural resources, a cemetery, and sedimentation of Cherry Stone headwaters.	The pipeline route has been modified to reduce impacts to landowner's property and move the route further from the cemetery and the creek headwaters.

APPENDIX J

Oil and Gas Wells

APPENDIX J-1

Oil and Gas Wells

Mountain Valley Project

APPENDIX J-1

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
0.0	1,175.0	Meadow Ridge Development, LLC	Active	Wetzel
0.2	1,323.0	Diversified Resources, Inc.	Inactive	Wetzel
0.6	976.1	DAC Energy, LLC	Active	Wetzel
0.7	501.7	DAC Energy, LLC	Active	Wetzel
1.0	595.6	DAC Energy, LLC	Active	Wetzel
1.7	19.7	CNX Gas Company, LLC	Never Issued/drilled	Wetzel
1.8	190.9	CNX Gas Company, LLC	Never Issued/drilled	Wetzel
2.7	1,833.7	EQT Production Company	Inactive	Wetzel
2.7	1,968.2	Southeastern Gas Co.	Inactive	Wetzel
3.3	362.4	Hefner, G. B. & Assoc., Inc.	Inactive	Wetzel
3.5	768.8	East Resources, Inc.	Inactive	Wetzel
3.8	953.9	East Resources, Inc.	Inactive	Wetzel
4.0	612.2	East Resources, Inc.	Inactive	Wetzel
4.0	731.2	East Resources, Inc.	Inactive	Wetzel
4.0	1,176.2	East Resources, Inc.	Inactive	Wetzel
4.4	1,142.3	Lucas Well Service, Inc.	Inactive	Wetzel
4.6	265.4	East Resources, Inc.	Never Issued/drilled	Wetzel
4.6	444.1	East Resources, Inc.	Never Issued/drilled	Wetzel
4.6	1,277.9	Diversified Resources, Inc.	Active	Wetzel
4.7	202.6	East Resources, Inc.	Inactive	Wetzel
4.7	501.0	East Resources, Inc.	Never Issued/drilled	Wetzel
4.7	727.1	Lucas Well Service, Inc.	Inactive	Wetzel
4.7	1,225.1	Lucas Well Service, Inc.	Inactive	Wetzel
4.8	211.7	East Resources, Inc.	Never Issued/drilled	Wetzel
4.8	333.7	East Resources, Inc.	Inactive	Wetzel
4.9	295.3	East Resources, Inc.	Inactive	Wetzel
5.0	402.5	HG Energy, LLC	Active	Wetzel
5.0	1,261.6	Lucas Well Service, Inc.	Inactive	Wetzel
5.9	351.8	East Resources, Inc.	Inactive	Wetzel

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
6.2	520.4	East Resources, Inc.	Inactive	Wetzel
6.2	1,192.2	Perkins Oil & Gas Inc.	Inactive	Wetzel
6.2	1,238.0	Perkins Oil & Gas Inc.	Inactive	Wetzel
6.3	299.1	Perkins Oil & Gas Inc.	Inactive	Wetzel
6.3	1,353.1	East Resources, Inc.	Inactive	Wetzel
6.5	255.4	East Resources, Inc.	Inactive	Wetzel
8.2	925.2	East Resources, Inc.	Inactive	Wetzel
12.1	602.8	Braxton Oil & Gas Corp.	Inactive	Harrison
12.2	1,310.3	Operator Unknown	Inactive	Harrison
12.4	89.0	Consol Gas Company	Never Issued/drilled	Harrison
12.4	130.2	Ross and Wharton Gas Company, Inc.	Inactive	Harrison
12.5	876.6	Ross and Wharton Gas Company, Inc.	Active	Harrison
12.8	214.6	Consol Gas Company	Never Issued/drilled	Harrison
13.4	370.2	Perkins Oil & Gas, Inc.	Inactive	Harrison
13.7	426.5	Perkins Oil & Gas, Inc.	Inactive	Harrison
16.0	973.9	Devonian Gas Production	Active	Harrison
16.1	245.7	Waco Oil & Gas Co, Inc.	Active	Harrison
16.4	1,069.3	XTO Energy, Inc.	Active	Harrison
16.8	1,019.2	Bowie Inc	Active	Harrison
16.9	648.5	P. G. Oil & Gas, LLC	Active	Harrison
17.0	723.0	Pardee Minerals, LLC	Never Issued/drilled	Harrison
17.2	200.5	Ross and Wharton Gas Company, Inc.	Active	Harrison
17.6	594.0	Consol Gas Company	Active	Harrison
17.6	947.9	Pardee Minerals, LLC	Never Issued/drilled	Harrison
17.8	1,042.4	UMC Petroleum Corporation	Never Issued/drilled	Harrison
17.9	579.0	Gassearch Corporation	Active	Harrison
19.6	612.4	Deran Resources, Inc.	Active	Harrison
19.6	921.4	Diversified Resources, Inc.	Inactive	Harrison
19.7	99.4	Hall Drilling, LLC	Never Issued/drilled	Harrison
20.1	530.6	Consol Gas Company	Never Issued/drilled	Harrison
20.1	939.7	Hall Drilling, LLC	Never Issued/drilled	Harrison

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
20.7	1,298.8	Aries Petroleum Corp.	Inactive	Harrison
20.9	1,251.5	Tenmile Land LLC	Active	Harrison
20.9	1,306.0	Hall Drilling, LLC	Never Issued/drilled	Harrison
21.3	1,056.4	Perkins Oil & Gas, Inc.	Inactive	Harrison
21.4	564.9	Waco Oil & Gas Co, Inc.	Active	Harrison
21.9	521.3	Consol Gas Company	Active	Harrison
22.0	410.5	Commonwealth Energy, Inc.	Active	Harrison
22.0	717.5	Energy Production, Inc.	Active	Harrison
22.0	968.9	Petroleum Development Corporation	Never Issued/drilled	Harrison
22.1	682.4	Energy Production, Inc.	Active	Harrison
22.3	1,065.7	C & P Oil & Gas, Inc.	Never Issued/drilled	Harrison
22.4	54.3	C & P Oil & Gas, Inc.	Never Issued/drilled	Harrison
22.4	209.8	Consol Gas Company	Active	Harrison
22.6	636.1	Tenmile Land, LLC	Active	Harrison
22.6	1,090.5	Tenmile Land, LLC	Active	Harrison
22.7	966.8	C & P Oil & Gas, Inc	Inactive	Harrison
22.7	1,312.5	Hall Drilling, LLC	Never Issued/drilled	Harrison
22.9	1,310.3	Waco Oil & Gas Co, Inc.	Active	Harrison
23.0	1,224.4	Mutschelknaus, Clarence W	Active	Harrison
23.1	134.7	Waco Oil & Gas Co, Inc.	Active	Harrison
23.1	371.6	Tenmile Land LLC	Active	Harrison
23.1	509.4	Waco Oil & Gas Co, Inc.	Active	Harrison
23.3	145.5	Waco Oil & Gas Co, Inc.	Active	Harrison
23.3	1,498.5	Energy Corporation of America	Active	Harrison
23.5	980.5	Antero Resources Corporation	Active	Harrison
23.5	985.8	Hall Drilling, LLC	Never Issued/drilled	Harrison
23.5	1,170.6	Antero Resources Corporation	Active	Harrison
23.5	1,176.5	Antero Resources Corporation	Active	Harrison
23.9	848.6	Trans-Capital Investment Group, Inc.	Inactive	Harrison
24.1	1,204.9	Lone Pine Operating Company, Inc.	Active	Harrison
24.2	281.2	Lone Pine Operating Company, Inc.	Active	Harrison

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
24.2	508.3	Mutschelknaus, Clarence W	Active	Harrison
24.6	689.0	Operator Unknown	Inactive	Harrison
25.0	1,186.5	Hall Drilling, LLC	Never Issued/drilled	Harrison
25.2	89.4	Hall Drilling, LLC	Never Issued/drilled	Harrison
25.4	1,230.7	Hall Drilling, LLC	Inactive	Harrison
27.8	1,339.0	Lone Pine Operating Company, Inc.	Active	Harrison
27.9	490.4	Tenmile Land LLC	Active	Harrison
28.1	679.3	Lone Pine Operating Company, Inc.	Inactive	Harrison
28.1	714.5	Lone Pine Operating Company, Inc.	Inactive	Harrison
28.1	1,013.0	Lone Pine Operating Company, Inc.	Active	Harrison
28.2	249.3	Tenmile Land LLC	Active	Harrison
28.2	253.1	Consol Gas Company	Active	Harrison
28.5	788.6	Mutschelknaus, Clarence W	Active	Harrison
28.6	465.3	Perkins Oil & Gas, Inc.	Inactive	Harrison
28.6	689.2	Consol Gas Company	Never Issued/drilled	Harrison
28.6	929.0	HG Energy, LLC	Active	Harrison
29.0	205.3	Blackrock Enterprises, LLC	Active	Harrison
29.0	1,189.8	Murray Hill Energy, Inc.	Active	Harrison
29.2	1,147.9	Blackrock Enterprises, LLC	Active	Harrison
29.3	300.9	Tenmile Land LLC	Active	Harrison
29.6	1,027.3	Energy Corporation of America	Active	Harrison
29.9	583.8	Antero Resources Corporation	Active	Harrison
30.0	1,048.3	Consol Gas Company	Never Issued/drilled	Harrison
30.2	445.0	Enervest Operating LLC	Active	Harrison
30.3	634.4	Enervest Operating LLC	Active	Harrison
30.5	303.1	Interstate Energy, Inc.	Inactive	Harrison
30.5	371.9	Enervest Operating LLC	Active	Harrison
30.5	1,144.5	Energy Corporation of America	Active	Harrison
30.8	114.1	Energy Corporation of America	Active	Harrison
30.8	895.5	Consol Gas Company	Active	Harrison
31.0	1,192.8	Consol Gas Company	Active	Harrison

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
31.4	1,172.2	Berry Energy, Inc.	Active	Harrison
31.6	532.8	Consol Gas Company	Active	Doddridge
31.8	1,154.3	Consol Gas Company	Active	Doddridge
31.9	901.1	Alliance Petroleum Corporation	Active	Doddridge
32.1	334.8	Consol Gas Company	Active	Doddridge
32.1	1,164.4	Operator Unknown	Never Issued/drilled	Doddridge
32.3	1,279.6	Consol Gas Company	Active	Doddridge
32.4	466.0	Consol Gas Company	Active	Doddridge
32.7	661.4	Consol Gas Company	Active	Harrison
32.8	1,302.9	Consol Gas Company	Active	Harrison
33.0	250.3	Consol Gas Company	Active	Harrison
33.0	580.8	Antero Resources Corporation	Never Issued/drilled	Harrison
33.2	1,077.8	Consol Gas Company	Active	Harrison
33.2	1,140.4	Petroleum Development Corporation	Inactive	Harrison
33.4	407.8	Consol Gas Company	Active	Harrison
33.7	459.5	Energy Corporation of America	Active	Doddridge
33.9	908.0	Consol Gas Company	Active	Harrison
34.1	199.5	Petroleum Service Partners, Inc.	Active	Doddridge
34.3	293.7	EQT Production Company	Active	Doddridge
34.6	1,215.5	Consol Gas Company	Active	Doddridge
34.7	161.0	Consol Gas Company	Active	Doddridge
34.8	509.4	Antero Resources Corporation	Unknown	Doddridge
34.8	519.2	Antero Resources Corporation	Unknown	Doddridge
34.8	529.0	Antero Resources Corporation	Unknown	Doddridge
34.8	538.8	Antero Resources Corporation	Unknown	Doddridge
34.8	548.7	Antero Resources Corporation	Unknown	Doddridge
34.8	1,350.7	HG Energy, LLC	Active	Doddridge
34.9	520.9	Consol Gas Company	Active	Doddridge
35.0	458.4	Braxton Oil & Gas Corp.	Active	Doddridge
35.2	1,326.1	Marshall Gas & Oil Corporation	Active	Doddridge
35.4	921.4	Consol Gas Company	Active	Doddridge

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
35.7	741.0	Ross and Wharton Gas Company, Inc.	Never Issued/drilled	Doddridge
35.7	1,150.5	EQT Production Company	Never Issued/drilled	Harrison
35.8	651.8	Marshall Gas & Oil Corporation	Inactive	Doddridge
35.8	1,195.6	Marshall Gas & Oil Corporation	Active	Doddridge
36.0	166.0	Marshall Gas & Oil Corporation	Inactive	Doddridge
36.0	817.1	Marshall Gas & Oil Corporation	Active	Doddridge
36.4	150.4	Marshall Gas & Oil Corporation	Inactive	Doddridge
36.4	568.0	Marshall Gas & Oil Corporation	Active	Doddridge
36.6	1,135.7	Mutschelknaus, Clarence W	Active	Harrison
36.9	142.3	Braxton Oil & Gas Corp.	Active	Doddridge
36.9	1,255.3	Operator Unknown	Inactive	Harrison
37.1	500.6	Operator Unknown	Inactive	Harrison
37.1	1,033.2	Diversified Resources, Inc.	Active	Doddridge
37.3	926.0	Tenmile Land LLC	Active	Harrison
37.6	72.3	Marshall Gas & Oil Corporation	Active	Harrison
37.9	969.9	Tenmile Land LLC	Active	Harrison
38.1	406.5	Dominion Transmission. Inc.	Inactive	Harrison
38.1	1,021.4	Tenmile Land LLC	Active	Harrison
38.1	1,233.5	Braxton Oil & Gas Corp.	Inactive	Harrison
38.2	177.9	Marshall Gas & Oil Corporation	Active	Lewis
38.2	885.1	Diversified Resources, Inc.	Unknown	Harrison
38.5	471.8	Diversified Resources, Inc.	Unknown	Lewis
38.7	1,264.8	Dominion Transmission, Inc.	Active	Lewis
38.8	1,058.2	Dominion Transmission, Inc.	Active	Lewis
39.7	1,187.9	CNG Producing Company	Inactive	Lewis
39.8	708.2	Dominion Transmission, Inc.	Inactive	Lewis
40.8	491.5	Dominion Transmission, Inc.	Inactive	Lewis
41.3	211.0	Dominion Transmission, Inc.	Active	Lewis
41.7	423.3	Dominion Transmission, Inc.	Active	Lewis
41.9	442.3	Dominion Transmission, Inc.	Active	Lewis
42.1	263.5	Dominion Transmission, Inc.	Inactive	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
42.2	702.1	Dominion Transmission, Inc.	Active	Lewis
42.4	935.9	Dominion Transmission, Inc.	Inactive	Lewis
42.5	179.4	Dominion Transmission, Inc.	Active	Lewis
42.7	893.2	Dominion Transmission, Inc.	Active	Lewis
42.9	752.4	Dominion Transmission, Inc.	Active	Lewis
43.1	41.8	Chevron U.S.A., Inc.	Inactive	Lewis
43.1	417.1	Dominion Transmission, Inc.	Active	Lewis
43.4	869.4	Dominion Transmission, Inc.	Active	Lewis
43.4	984.5	Dominion Transmission, Inc.	Active	Lewis
43.5	450.5	Dominion Transmission, Inc.	Inactive	Lewis
43.5	1,113.1	Dominion Transmission, Inc.	Active	Lewis
43.6	1,211.0	Dominion Transmission, Inc.	Active	Lewis
43.7	969.3	Dominion Transmission, Inc.	Active	Lewis
43.8	1,095.4	Dominion Transmission, Inc.	Active	Lewis
43.8	1,273.5	Dominion Transmission, Inc.	Active	Lewis
43.9	991.1	Dominion Transmission, Inc.	Active	Lewis
44.0	1,069.2	Dominion Transmission, Inc.	Inactive	Lewis
44.0	1,160.9	Dominion Transmission, Inc.	Inactive	Lewis
44.2	251.1	Dominion Transmission, Inc.	Active	Lewis
44.3	1,379.5	Dominion Transmission, Inc.	Active	Lewis
44.6	270.5	Dominion Transmission, Inc.	Active	Lewis
44.7	968.4	Bowie, Inc.	Active	Lewis
44.8	1,256.8	Enervest Operating LLC	Active	Lewis
44.9	218.3	Dominion Transmission, Inc.	Active	Lewis
45.1	704.3	Enervest Operating LLC	Active	Lewis
45.3	981.5	Dominion Transmission, Inc.	Active	Lewis
45.6	1,053.4	Chesapeake Appalachia, LLC	Active	Lewis
45.7	435.1	Enervest Operating LLC	Active	Lewis
45.8	594.0	Consol Gas Company	Active	Lewis
45.9	245.6	Consol Gas Company	Active	Lewis
45.9	1,197.4	Consol Gas Company	Active	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
46.0	1,314.2	Consol Gas Company	Active	Lewis
46.1	572.7	Consol Gas Company	Active	Lewis
46.1	1,007.6	Consol Gas Company	Active	Lewis
46.3	407.3	Consol Gas Company	Active	Lewis
46.4	106.8	Consol Gas Company	Active	Lewis
46.5	984.0	Consol Gas Company	Active	Lewis
46.7	361.6	Petroleum Resources, Inc.	Active	Lewis
46.7	591.2	Consol Gas Company	Active	Lewis
46.7	627.9	Union Gas Corp. (Union Gas Co.)	Inactive	Lewis
46.9	317.7	Petroleum Resources, Inc.	Active	Lewis
47.0	1,200.4	Consol Gas Company	Active	Lewis
47.1	182.2	Consol Gas Company	Active	Lewis
47.1	923.8	Consol Gas Company	Active	Lewis
47.3	634.7	Consol Gas Company	Active	Lewis
47.3	1,199.4	Union Gas Corp. (Union Gas Co.)	Inactive	Lewis
47.3	1,353.5	Consol Gas Company	Active	Lewis
47.4	842.2	Bowie, Inc.	Active	Lewis
47.5	52.3	United Petro Ltd.	Active	Lewis
47.7	612.8	Bowie, Inc.	Active	Lewis
47.7	863.7	Stephen Gas Company	Active	Lewis
47.8	1,083.3	Operator Unknown	Never Issued/drilled	Lewis
47.9	265.7	Chesapeake Appalachia, LLC	Active	Lewis
48.0	900.9	Consol Gas Company	Active	Lewis
48.1	893.9	Chesapeake Appalachia, LLC	Active	Lewis
48.2	119.7	Brookside Gas Co	Never Issued/drilled	Lewis
48.2	531.9	Enervest Operating LLC	Active	Lewis
48.3	901.3	Enervest Operating LLC	Active	Lewis
48.5	360.9	Operator Unknown	Inactive	Lewis
48.5	1,269.4	Enervest Operating LLC	Active	Lewis
48.6	760.8	Enervest Operating LLC	Active	Lewis
48.7	1,268.9	Consol Gas Company	Active	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
48.9	554.2	Enervest Operating LLC	Active	Lewis
49.0	1,032.0	Consol Gas Company	Active	Lewis
49.2	467.1	Consol Gas Company	Active	Lewis
49.4	724.6	Consol Gas Company	Active	Lewis
49.8	551.7	Consol Gas Company	Active	Lewis
49.8	1,175.0	Interstate Energy, Inc.	Inactive	Lewis
50.0	1,367.6	Consol Gas Company	Active	Lewis
50.1	518.9	Consol Gas Company	Active	Lewis
50.1	613.3	Key Oil Company	Active	Lewis
50.1	1,004.7	Prior, Ferrell L	Inactive	Lewis
50.2	434.7	Interstate Energy, Inc.	Inactive	Lewis
50.3	239.0	Consol Gas Company	Active	Lewis
50.6	968.3	Consol Gas Company	Active	Lewis
50.6	1,168.8	Operator Unknown	Inactive	Lewis
50.6	1,168.8	Operator Unknown	Inactive	Lewis
50.7	825.8	Key Oil Company	Active	Lewis
50.9	93.9	Key Oil Company	Active	Lewis
51.0	430.0	Consol Gas Company	Never Issued/drilled	Lewis
51.0	895.9	Key Oil Company	Active	Lewis
51.1	229.1	Alamco, Inc/	Inactive	Lewis
51.2	510.0	Key Oil Company	Active	Lewis
51.4	530.8	Key Oil Company	Active	Lewis
51.4	567.0	Key Oil Company	Active	Lewis
51.5	1,143.4	Key Oil Company	Active	Lewis
51.7	1,269.3	Stalnaker Energy Corporation	Active	Lewis
51.8	336.1	Stalnaker Energy Corporation	Active	Lewis
52.0	1,159.4	Stalnaker Energy Corporation	Active	Lewis
52.1	336.1	Stalnaker Energy Corporation	Active	Lewis
52.2	1,415.6	Dominion Transmission, Inc/	Inactive	Lewis
52.3	84.6	Operator Unknown	Inactive	Lewis
52.3	615.9	Stalnaker Energy Corporation	Active	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
52.3	1,003.7	Ross and Wharton Gas Company, Inc.	Active	Lewis
52.6	66.5	Ross and Wharton Gas Company, Inc.	Active	Lewis
52.7	236.0	Consol Gas Company	Active	Lewis
52.9	337.3	Stalnaker Energy Corporation	Active	Lewis
53.0	1,334.1	Consol Gas Company	Active	Lewis
53.1	465.9	Chesapeake Appalachia, LLC	Active	Lewis
53.3	176.0	DB Exploration, LLC	Active	Lewis
53.3	1,283.7	DB Exploration, LLC	Active	Lewis
53.5	414.8	Chesapeake Appalachia, LLC	Active	Lewis
53.7	910.9	Dominion Transmission, Inc.	Inactive	Lewis
53.8	885.9	Operator Unknown	Inactive	Lewis
54.0	275.6	Consol Gas Company	Active	Lewis
54.2	1,436.7	Stephen Gas Company	Active	Lewis
54.3	383.2	Stalnaker Energy Corporation	Active	Lewis
54.4	1,228.6	Energy Corporation of America	Never Issued/drilled	Lewis
54.5	364.1	Consol Gas Company	Active	Lewis
54.5	486.0	Energy Corporation of America	Never Issued/drilled	Lewis
54.5	1,355.8	Rubin Resources Co.	Active	Lewis
54.7	934.2	Stalnaker Energy Corporation	Active	Lewis
54.8	456.0	Consol Gas Company	Active	Lewis
54.9	831.3	Tapo Energy, Inc.	Active	Lewis
55.0	336.0	Consol Gas Company	Active	Lewis
55.2	1,259.5	Consol Gas Company	Active	Lewis
55.2	1,316.1	Dominion Transmission, Inc.	Inactive	Lewis
55.3	390.8	Consol Gas Company	Active	Lewis
55.4	329.1	Consol Gas Company	Active	Lewis
55.4	1,237.2	Murvin & Meier Oil Co.	Inactive	Lewis
55.7	208.5	Murvin & Meier Oil Co.	Inactive	Lewis
55.9	1,190.3	S & R Gas Ventures, Ltd	Active	Lewis
56.0	266.4	S & R Gas Ventures, Ltd	Active	Lewis
56.1	395.8	S & R Gas Ventures, Ltd	Active	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
56.3	422.2	S & R Gas Ventures, Ltd	Active	Lewis
56.3	640.9	Geo Energy, LLC	Active	Lewis
56.6	749.1	Energy Corporation of America	Never Issued/drilled	Lewis
56.7	814.1	Rockey Drilling Co.	Inactive	Lewis
56.8	1,269.1	Braxton Oil & Gas Corp.	Active	Lewis
56.9	257.0	Energy Corporation of America	Active	Lewis
57.1	1,055.2	Energy Corporation of America	Never Issued/drilled	Lewis
57.1	1,055.2	Energy Corporation of America	Never Issued/drilled	Lewis
57.2	1,037.0	Geo Energy, LLC	Active	Lewis
57.3	702.6	Geo Energy, LLC	Active	Lewis
57.6	298.9	Diversified Resources, Inc.	Active	Lewis
57.8	1,246.3	Exco Resources (Pa), LLC	Active	Lewis
58.1	587.2	Exco Resources (Pa), LLC	Active	Lewis
58.5	1,335.2	Rogers & Son	Active	Lewis
58.6	1,359.8	Operator Unknown	Inactive	Lewis
58.8	400.3	Rogers & Son	Active	Lewis
58.8	1,247.4	Petroleum Resources, Inc.	Active	Lewis
59.1	1,322.6	R & R Oil and Gas, LLC	Active	Lewis
59.4	968.1	Dorward Energy Corporation	Active	Lewis
59.7	428.0	Stalnaker Energy Corporation	Active	Lewis
59.7	1,365.4	Operator Unknown	Never Issued/drilled	Lewis
59.8	501.9	Stalnaker Energy Corporation	Active	Lewis
60.0	150.1	Operator Unknown	Inactive	Lewis
60.7	574.9	Consol Gas Company	Active	Lewis
61.0	660.9	Dominion Transmission, Inc.	Inactive	Lewis
61.4	912.5	Consol Gas Company	Active	Lewis
61.7	652.4	Consol Gas Company	Active	Lewis
62.1	344.2	Geo Energy, LLC	Active	Lewis
62.4	1,403.8	Operator Unknown	Inactive	Lewis
62.5	697.3	Dominion Transmission, Inc.	Inactive	Lewis
62.8	341.6	Big Buck Energy Oil & Gas	Inactive	Lewis

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
62.8	753.0	Geo Energy, LLC	Active	Lewis
63.2	399.8	Dominion Transmission, Inc.	Inactive	Lewis
63.5	1,063.5	Geo Energy, LLC	Active	Lewis
64.0	919.5	Operator Unknown	Inactive	Lewis
64.2	1,139.7	Tapo Energy, Inc.	Inactive	Lewis
68.3	346.2	Operator Unknown	Inactive	Braxton
68.5	598.8	Operator Unknown	Inactive	Braxton
68.6	236.9	Operator Unknown	Inactive	Braxton
69.1	353.4	Operator Unknown	Inactive	Braxton
69.3	837.2	Operator Unknown	Inactive	Braxton
70.0	616.9	Baker, J C & Sons, Inc.	Active	Braxton
70.8	416.4	Apollo Petroleum	Inactive	Braxton
70.9	574.7	Ross and Wharton Gas Company, Inc.	Active	Braxton
70.9	1,083.4	Devon Energy Corporation(Nevada)	Inactive	Braxton
71.1	310.8	Ross and Wharton Gas Company, Inc.	Active	Braxton
71.1	347.7	Baker, J C & Sons, Inc.	Active	Braxton
71.4	1,424.1	Baker, J C & Sons, Inc.	Active	Braxton
71.7	67.7	Baker, J C & Sons, Inc.	Active	Braxton
71.9	1,146.8	Baker, J C & Sons, Inc.	Active	Braxton
72.0	316.4	Baker, J C & Sons, Inc.	Active	Braxton
72.2	192.7	Baker, J C & Sons, Inc.	Active	Braxton
72.3	1,257.4	Baker, J C & Sons, Inc.	Active	Braxton
72.4	438.8	Operator Unknown	Inactive	Braxton
72.5	608.0	Baker, J C & Sons, Inc.	Active	Braxton
73.0	1,052.4	Operator Unknown	Inactive	Braxton
73.3	878.8	Baker, J C & Sons, Inc.	Never Issued/drilled	Braxton
73.4	1,266.7	Baker, J C & Sons, Inc.	Active	Braxton
73.7	899.7	Baker, J C & Sons, Inc.	Active	Braxton
74.0	1,052.4	Baker, J C & Sons, Inc.	Active	Braxton
74.5	980.1	Baker, J C & Sons, Inc.	Active	Braxton
74.6	273.4	Baker, J C & Sons, Inc.	Inactive	Braxton

APPENDIX J-1 (continued)

Gas and Oil Wells within 0.25 Mile of the Mountain Valley Project

MP	Distance from Centerline (feet)	Operator	Well Status	County
87.7	825.2	Energy Corporation of America	Active	Webster
88.5	1,136.2	Operator Unknown	Inactive	Webster
90.1	412.3	Cabot Oil & Gas Corporation	Inactive	Webster
112.7	849.1	Continental Reserves Oil Co.	Never Issued/drilled	Nicholas
113.9	134.8	Continental Reserves Oil Co.	Never Issued/drilled	Nicholas
114.5	180.5	Continental Reserves Oil Co.	Never Issued/drilled	Nicholas
114.6	1,244.9	Continental Reserves Oil Co.	Never Issued/drilled	Nicholas
115.0	1,331.4	CNG Producing Company	Inactive	Nicholas
120.5	1,063.1	Triana Energy, LLC	Never Issued/drilled	Nicholas
137.0	1,017.9	Columbia Natural Resources, LLC	Inactive	Greenbrier

Source: WVDEP, 2015; VDMME, 2015c

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APPENDIX J-2

Oil and Gas Wells

Equitrans Expansion Project

APPENDIX J-2

Gas and Oil Wells Within 0.25 Mile of the Equitrans Expansion Project

Feature	MP	Near Feature	API Number	Status	County	Type	Distance (ft)	Direction
H-158/ M-80	0	ATWS	059-25617	Active	Greene	Oil & Gas, Coal	967	W
	0	ATWS	059-25585	Active	Greene	Oil & Gas, Coal	947	W
	0	ATWS	059-26423	Proposed But Never Materialized	Greene	Oil & Gas, Coal	975	W
	0	ATWS	059-25585	Active	Greene	Oil & Gas, Coal	947	W
	0.2	Temporary Construction ROW	059-01984	Abandoned	Greene	Oil & Gas, Coal	1,083	E
	0.2	ATWS	059-01939	PADEP Orphan List	Greene	Oil & Gas, Coal	1,263	NW
	0.2	Temporary Construction ROW	059-02020	Abandoned	Greene	Oil & Gas, Coal	1,083	E
H-305	0	Temporary Construction ROW	059-01984	Abandoned	Greene	Oil & Gas, Coal	954	E
	0.1	Access Road ROW	059-01939	PADEP Orphan List	Greene	Oil & Gas, Coal	1,044	W
	0.1	Access Road ROW	059-21800	Active	Greene	Oil & Gas, Coal	1,057	N
	0.1	Access Road ROW	059-02124	DEP Abandoned List	Greene	Oil & Gas, Coal	1,034	NW
	0	Temporary Construction ROW	059-02020	Abandoned	Greene	Oil & Gas, Coal	954	E
H-316	0.2	Permanent Operation ROW	059-01984	Abandoned	Greene	Oil & Gas, Coal	0	W
	0.2	Permanent Operation ROW	059-02020	Abandoned	Greene	Oil & Gas, Coal	0	W
	0.3	Temporary Construction ROW	059-01860	PADEP Abandoned List	Greene	Oil & Gas, Coal	115	N
	0.7	Temporary Construction ROW	059-02016	Active	Greene	Oil & Gas, Unavailable	0	W
	1.0	Temporary Construction ROW	059-24135	Active	Greene	Oil & Gas, Coal	1,049	N
	1.2	Permanent Operation ROW	059-01241	Active	Greene	Oil & Gas, Coal	765	S
	1.4	Access Road ROW	059-22604	Plugged OG Well	Greene	Oil & Gas, Coal	417	NW

APPENDIX J-2 (continued)

Gas and Oil Wells Within 0.25 Mile of the Equitrans Expansion Project

Feature	MP	Near Feature	API Number	Status	County	Type	Distance (ft)	Direction
H-316	2.7	Permanent Operation ROW	059-21048	Plugged OG Well	Greene	Oil & Gas, Coal	321	E
	3.0	ATWS	059-24955	Active	Greene	Oil & Gas, Coal	82	SW
	2.7	Access Road ROW	059-25009	Active	Greene	Oil & Gas, Coal	628	N
	2.7	Permanent Operation ROW	059-24498	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	309	W
	1.6	Temporary Construction ROW	059-23780	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	0	W
	0.0	ATWS	059-21887	Active	Greene	Oil & Gas, Coal	575	NE
	1.5	Access Road ROW	059-23778	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	1,196	N
	1.6	Access Road ROW	059-23782	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	563	S
	1.6	Access Road ROW	059-25243	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	563	S
	3.0	ATWS	059-24956	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	1,256	SW
	1.7	Access Road ROW	059-23779	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	1,132	E
	1.8	Temporary Construction ROW	059-23781	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	91	SW
	1.6	Permanent Operation ROW	059-22618	Operator Reported Not Drilled	Greene	Oil & Gas, Coal	0	W
	0.0	ATWS	059-21991	Active	Greene	Oil & Gas, Coal	722	NE
	1.5	Access Road ROW	059-24133	Active	Greene	Oil & Gas, Coal	992	N
	0.0	ATWS	059-26686	Proposed But Never Materialized	Greene	Oil & Gas, Coal	542	E
H-318	0.7	Temporary Construction ROW	003-00070	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	815	SE
	0.7	Access Road ROW	003-00209	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	70	E
	0.0	Access Road ROW	003-00435	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	198	S
	1.6	ATWS	003-00733	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	628	SW

APPENDIX J-2 (continued)

Gas and Oil Wells Within 0.25 Mile of the Equitrans Expansion Project

Feature	MP	Near Feature	API Number	Status	County	Type	Distance (ft)	Direction
	2.6	ATWS	003-00783	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	336	W
	2.8	Temporary Construction ROW	003-01077	PADEP Plugged	Allegheny	Oil & Gas, Non-Coal	412	W
	0.9	Temporary Construction ROW	003-20001	Active	Allegheny	Oil & Gas, Non-Coal	1,059	SE
	1.1	Temporary Construction ROW	003-20012	Active	Allegheny	Oil & Gas, Non-Coal	478	E
	1.1	Temporary Construction ROW	003-20012	Active	Allegheny	Oil & Gas, Non-Coal	478	E
	0.0	H318_PermanentSite	003-20017	Active	Allegheny	Oil & Gas, Non-Coal	1,191	NW
	0.0	H318_PermanentSite	003-20017	Active	Allegheny	Oil & Gas, Non-Coal	1,191	NW
	0.7	Access Road ROW	003-20020	Active	Allegheny	Oil & Gas, Non-Coal	352	E
	0.0	Access Road ROW	003-20022	Active	Allegheny	Oil & Gas, Non-Coal	1,223	N
	0.0	Access Road ROW	003-20023	Active	Allegheny	Oil & Gas, Non-Coal	79	S
	0.0	Access Road ROW	003-20026	Active	Allegheny	Oil & Gas, Non-Coal	10	W
	0.1	Temporary Construction ROW	003-20078	Plugged OG Well	Allegheny	Oil & Gas, Non-Coal	962	W
	0.2	Access Road ROW	003-20792	Active	Allegheny	Oil & Gas, Coal	764	S
	0.0	Access Road ROW	003-20803	Plugged OG Well	Allegheny	Oil & Gas, Coal	1,245	N
	0.0	Access Road ROW	003-20804	Plugged OG Well	Allegheny	Oil & Gas, Coal	1,290	N
	1.6	ATWS	003-22051	Active	Allegheny	Oil & Gas, Coal	883	NE
	2.5	ATWS	003-22053	Active	Allegheny	Oil & Gas, Coal	718	SW
	4.3	Access Road	125-00465	Plugged OG Well	Washington	Oil & Gas, Coal	951	SW
	3.7	Temporary Construction ROW	125-00666	Active	Washington	Oil & Gas, Coal	546	SW
	4.3	ATWS	125-00685	Active	Washington	Oil & Gas, Coal	100	NW
	4.3	ATWS	125-00686	Active	Washington	Oil & Gas, Coal	103	NW
	4.0	Temporary Construction ROW	125-00687	Active	Washington	Oil & Gas, Coal	266	NE
	4.3	ATWS	125-00688	Active	Washington	Oil & Gas, Coal	962	N

APPENDIX J-2 (continued)

Gas and Oil Wells Within 0.25 Mile of the Equitrans Expansion Project

Feature	MP	Near Feature	API Number	Status	County	Type	Distance (ft)	Direction
	4.3	Access Road	125-00689	Plugged OG Well	Washington	Oil & Gas, Coal	706	S
	4.0	Temporary Construction ROW	125-00691	Active	Washington	Oil & Gas, Coal	568	W
	3.9	Temporary Construction ROW	125-00692	Active	Washington	Oil & Gas, Coal	1,088	NW
	2.9	Access Road ROW	125-27645	Active	Washington	Oil & Gas, Coal	986	S
	2.9	Access Road ROW	125-27646	Active	Washington	Oil & Gas, Coal	996	S
	2.9	Access Road ROW	125-27647	Active	Washington	Oil & Gas, Coal	1,006	S
	2.9	Access Road ROW	125-27648	Active	Washington	Oil & Gas, Coal	1,016	S
	2.9	Access Road ROW	125-27649	Active	Washington	Oil & Gas, Coal	1,026	S
	2.9	Access Road ROW	125-27649	Active	Washington	Oil & Gas, Coal	1,026	S
H-319	0	ATWS	103-02535	Active	Wetzel	Gas	118	E
	0.1	ATWS	103-02384	Active	Wetzel	Gas	1,210	NW
Pratt CS	Area within 0.25 mile of Project Features a/	Pratt CS	059-01984	Abandoned	Greene	Oil & Gas, Coal	1,170	NE
		Pratt CS	059-02020	Abandoned	Greene	Oil & Gas, Coal	1,170	NE
Redhook CS		Redhook CS	059-01939	PADEP Orphan List	Greene	Oil & Gas, Coal	1,300	W
		Redhook CS	059-01860	PADEP Abandoned List	Greene	Oil & Gas, Coal	921	E
		Redhook CS	059-01984	Abandoned	Greene	Oil & Gas, Coal	515	E
		Redhook CS	059-02020	Abandoned	Greene	Oil & Gas, Coal	515	E
Webster Inter-connect		H306 Tap	103-02535	Active	Wetzel	Gas	193	E
		Access Road ROW	103-02384	Active	Wetzel	Gas	1,240	NW
		ATWS	103-02422	Never Drilled	Wetzel	N/A	1,191	E
		ATWS	103-02524	Active	Wetzel	Gas	1,097	W

APPENDIX J-2 (continued)

Gas and Oil Wells Within 0.25 Mile of the Equitrans Expansion Project

Feature	MP	Near Feature	API Number	Status	County	Type	Distance (ft)	Direction

Sources: PADEP 2016; WVDEP 2016.

a/ No wells identified within 0.25 mi of Mobley Interconnect; Oil and Gas wells located near taps accounted for above.

ATWS = additional temporary workspaces

CS = Compressor Station

N/A = Not Available

OG = oil/gas

PADEP = Pennsylvania Department of Environmental Protection

ROW = right-of-way

APPENDIX K

Steep Slopes

APPENDIX K

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
0.0	0.2	0.2	>30	64.5	19.1	X	
0.4	0.5	<0.1	>30	36.3	18.5	X	
0.5	0.7	0.2	>30	83.5	17.9	X	
0.7	0.8	<0.1	>30	31.4	17.7	X	
0.8	1.1	0.2	>30	64.3	18.9	X	
1.1	1.1	<0.1	>30	37.3	22.6	X	
1.1	1.3	0.2	>30	67.2	17.8	X	
1.3	1.6	0.2	>30	67.4	17.4	X	
1.6	1.7	0.1	>30	40.1	13.5	X	
2.0	2.0	<0.1	15-30	20.7	15.4	X	
2.0	2.1	0.1	>30	32.4	17.5	X	
2.1	2.3	0.2	>30	55.5	18.8	X	
2.4	2.5	0.1	>30	72.0	20.9	X	
2.6	2.7	0.1	>30	41.4	19.0	X	
2.7	2.8	<0.1	15-30	25.5	17.8	X	
2.9	2.9	<0.1	15-30	29.2	15.1	X	
3.1	3.1	<0.1	15-30	23.6	16.7	X	
3.2	3.2	<0.1	15-30	20.1	16.8	X	
3.3	3.3	<0.1	15-30	24.0	16.7	X	
3.4	3.8	0.5	>30	54.0	19.0		X
3.5	3.6	0.1	>30	37.9	15.3	X	
3.8	3.9	0.1	>30	50.5	16.3	X	
4.5	4.5	<0.1	15-30	24.2	19.9	X	
4.6	4.7	0.1	>30	34.4	15.1	X	
4.7	4.7	<0.1	>30	32.4	22.3	X	
4.8	4.9	0.1	>30	63.7	16.9	X	
5.0	5.0	<0.1	>30	62.7	20.5	X	
5.1	5.1	<0.1	15-30	27.2	16.0	X	
5.1	5.4	0.3	>30	62.0	21.8	X	
5.4	5.6	0.2	>30	63.7	15.9	X	
5.6	5.9	0.2	>30	55.5	19.7	X	
5.9	6.0	0.1	>30	30.5	16.3	X	
6.4	6.5	0.1	15-30	24.6	16.6	X	
6.5	6.6	0.1	>30	77.5	25.1	X	
6.7	6.9	0.2	>30	66.6	16.9	X	
6.9	7.0	0.1	>30	39.5	19.3	X	
7.0	7.0	<0.1	15-30	29.0	15.5	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
7.2	7.4	0.2	>30	37.0	15.1	X	
7.7	7.8	<0.1	15-30	26.3	15.4	X	
7.8	7.9	0.2	>30	59.9	15.1	X	
8.0	8.1	0.1	>30	68.1	15.7	X	
8.1	8.3	0.1	>30	43.1	15.9	X	
8.5	8.5	<0.1	>30	30.2	16.6	X	
8.5	8.5	<0.1	15-30	29.6	15.2	X	
8.7	8.7	<0.1	15-30	22.6	37.6	X	
8.7	8.9	0.1	>30	62.2	16.3	X	
8.9	9.0	0.1	>30	69.3	16.0	X	
9.2	9.2	<0.1	15-30	19.5	15.8	X	
9.2	9.3	0.1	>30	31.7	16.3	X	
9.4	9.4	<0.1	15-30	24.9	17.3	X	
9.4	9.4	<0.1	15-30	18.1	15.5	X	
9.5	9.6	0.1	>30	37.2	17.3	X	
9.7	9.7	<0.1	15-30	23.1	17.2	X	
9.8	9.8	<0.1	>30	36.0	17.7	X	
9.8	9.9	<0.1	15-30	27.0	17.2	X	
9.9	10.0	0.1	15-30	28.7	18.2	X	
10.0	10.1	0.1	>30	38.5	15.1	X	
10.2	10.3	<0.1	15-30	27.9	15.1	X	
10.6	10.6	<0.1	15-30	19.1	16.2	X	
10.6	10.7	<0.1	15-30	19.3	17.4	X	
10.7	10.7	<0.1	15-30	26.1	16.1	X	
11.1	11.2	0.1	>30	54.2	15.7	X	
11.3	11.4	0.1	>30	43.5	18.0	X	
11.5	11.5	<0.1	>30	38.2	15.0	X	
11.6	11.6	<0.1	>30	37.0	16.9	X	
12.0	12.1	0.2	>30	61.7	17.2	X	
12.2	12.4	0.2	>30	55.7	21.1	X	
13.5	13.6	<0.1	15-30	21.5	17.1	X	
13.7	13.7	<0.1	15-30	25.3	15.9	X	
14.0	14.0	<0.1	15-30	25.0	16.8	X	
14.2	14.2	0.1	15-30	28.9	17.1	X	
14.4	14.4	<0.1	15-30	21.1	15.8	X	
14.6	14.6	<0.1	>30	35.6	28.2	X	
14.7	14.7	<0.1	15-30	23.8	16.4	X	
14.9	14.9	<0.1	15-30	20.1	15.6	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
15.1	15.2	0.1	15-30	29.8	15.5	X	
15.2	15.4	0.2	>30	36.2	16.9	X	
15.5	15.6	0.1	>30	67.8	16.6	X	
16.0	16.0	<0.1	>30	35.3	15.5	X	
16.3	16.3	<0.1	15-30	19.2	16.0	X	
16.4	16.5	<0.1	>30	31.8	16.2	X	
16.5	16.5	<0.1	15-30	26.8	18.0	X	
16.7	16.7	0.1	15-30	29.1	17.0	X	
16.7	16.8	0.1	>30	34.6	19.5	X	
17.0	17.1	<0.1	15-30	28.4	17.4	X	
17.3	17.3	<0.1	15-30	24.7	17.3	X	
17.5	17.5	<0.1	15-30	25.3	17.1	X	
17.6	17.7	0.1	>30	42.2	15.3	X	
17.7	17.7	<0.1	15-30	17.1	15.6	X	
17.7	17.8	0.1	>30	40.8	18.4	X	
17.9	18.0	0.1	>30	52.4	16.0	X	
18.2	18.2	0.1	15-30	17.3	31.6	X	
18.3	18.4	<0.1	15-30	22.4	16.1	X	
18.6	18.8	0.2	>30	55.1	17.3	X	
18.9	19.0	0.1	>30	68.2	15.7	X	
19.2	19.2	0.1	15-30	25.3	16.3	X	
19.8	19.8	<0.1	15-30	27.0	18.9	X	
19.8	19.8	<0.1	>30	33.8	15.9	X	
20.4	20.4	0.1	>30	30.5	21.5	X	
20.7	20.8	0.1	>30	52.3	15.3	X	
20.9	21.0	0.2	>30	48.3	17.8	X	
21.1	21.1	0.1	15-30	30.0	17.3	X	
21.4	21.4	<0.1	15-30	25.3	16.4	X	
21.5	21.6	0.2	>30	42.6	16.4	X	
21.7	21.8	0.1	>30	66.7	15.3	X	
22.1	22.1	<0.1	15-30	22.9	16.5	X	
22.3	22.3	<0.1	15-30	26.2	20.7	X	
22.6	22.7	0.1	15-30	29.9	15.7	X	
22.8	22.8	<0.1	15-30	25.4	16.4	X	
22.9	23.0	<0.1	>30	32.0	21.8	X	
23.0	23.1	0.1	>30	58.6	30.2	X	
23.1	23.3	0.1	>30	61.5	15.3	X	
23.3	23.3	<0.1	15-30	25.5	21.0	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
23.7	23.7	<0.1	15-30	29.1	18.9	X	
23.9	24.0	<0.1	15-30	19.9	15.2	X	
24.0	24.0	<0.1	15-30	21.5	16.2	X	
24.1	24.1	<0.1	>30	38.2	18.9	X	
24.2	24.2	<0.1	>30	30.2	18.1	X	
24.6	24.6	<0.1	>30	33.9	17.0	X	
24.7	24.7	<0.1	>30	45.6	15.5	X	
24.8	24.9	0.1	>30	40.6	18.2	X	
25.0	25.0	<0.1	>30	32.0	21.2	X	
25.0	25.0	<0.1	>30	38.2	24.4	X	
25.8	25.9	0.1	>30	57.6	17.1	X	
26.0	26.2	0.2	>30	52.8	15.7	X	
26.5	26.5	<0.1	15-30	20.2	15.6	X	
27.2	27.2	<0.1	15-30	29.5	16.9	X	
27.7	27.7	<0.1	15-30	25.1	15.1	X	
28.2	28.3	0.1	>30	32.0	15.0		X
28.4	28.5	0.1	15-30	25.2	16.9	X	
28.7	28.7	<0.1	15-30	26.9	17.1	X	
29.5	29.6	0.1	>30	35.2	15.7	X	
30.1	30.2	0.1	>30	46.1	18.5	X	
30.2	30.3	0.1	>30	49.8	17.9	X	
30.4	30.4	<0.1	15-30	22.3	15.2	X	
30.5	30.5	<0.1	15-30	24.3	15.2	X	
30.5	30.5	<0.1	15-30	24.8	18.2	X	
30.9	31.0	0.1	15-30	23.4	15.1	X	
31.1	31.1	0.1	15-30	23.8	15.6	X	
31.3	31.4	0.1	>30	44.5	18.1	X	
31.4	31.5	0.1	>30	54.1	17.0	X	
31.7	31.7	<0.1	15-30	18.8	16.1	X	
32.1	32.1	<0.1	15-30	25.2	16.9	X	
32.4	32.5	0.1	>30	53.7	21.4	X	
32.6	32.6	<0.1	>30	36.9	17.0	X	
32.6	32.6	0.1	15-30	19.2	27.5		X
33.2	33.3	0.2	>30	46.0	16.4	X	
33.4	33.4	<0.1	15-30	25.2	16.3	X	
33.5	33.5	<0.1	>30	37.0	17.5	X	
33.5	33.6	<0.1	15-30	23.2	20.1	X	
33.6	33.7	<0.1	15-30	25.0	17.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
33.7	33.7	<0.1	>30	34.1	26.3		X
33.8	33.8	0.1	>30	34.1	17.0	X	
34.0	34.0	<0.1	15-30	26.4	17.0	X	
34.0	34.1	<0.1	15-30	25.7	16.2	X	
34.1	34.3	0.2	>30	63.1	15.0	X	
34.3	34.3	<0.1	>30	48.3	26.9	X	
34.4	34.5	0.1	>30	32.3	16.7		X
34.4	34.5	0.1	>30	41.5	15.6	X	
34.5	34.6	0.1	>30	57.8	17.6	X	
34.6	34.8	0.3	>30	44.6	21.4		X
34.8	34.8	<0.1	15-30	17.0	15.8	X	
34.8	34.8	<0.1	15-30	27.8	17.5	X	
34.8	34.9	0.1	>30	57.0	22.0	X	
35.0	35.1	0.1	>30	66.7	18.2	X	
35.2	35.2	0.1	>30	41.1	16.0	X	
35.3	35.3	<0.1	15-30	23.4	33.7	X	
35.3	35.3	<0.1	15-30	19.9	16.0	X	
35.4	35.5	0.1	15-30	28.9	16.8	X	
35.7	35.7	<0.1	15-30	21.3	15.7	X	
35.8	35.8	<0.1	15-30	16.1	15.9	X	
35.9	35.9	<0.1	15-30	17.9	15.9	X	
36.6	36.7	0.1	>30	41.0	17.0	X	
36.8	36.8	0.1	>30	31.8	16.5	X	
36.9	36.9	<0.1	15-30	24.8	15.0	X	
37.3	37.3	0.1	>30	38.3	16.6	X	
37.9	38.0	0.1	>30	33.7	16.0	X	
38.0	38.1	0.1	>30	50.5	20.4	X	
38.2	38.2	<0.1	>30	34.4	25.7	X	
38.2	38.2	<0.1	>30	59.1	19.7	X	
38.3	38.3	0.1	>30	66.1	21.7	X	
38.4	38.4	<0.1	15-30	21.0	15.2	X	
38.6	38.6	<0.1	15-30	20.7	15.4	X	
38.6	38.6	<0.1	>30	30.3	18.3	X	
38.8	38.8	<0.1	15-30	18.6	15.2	X	
38.8	38.9	<0.1	15-30	29.1	21.5	X	
39.1	39.1	<0.1	>30	33.0	25.4	X	
39.3	39.3	<0.1	>30	30.4	25.1	X	
39.6	39.7	<0.1	15-30	25.6	16.6	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
39.7	39.8	<0.1	15-30	28.3	16.0	X	
39.8	39.8	<0.1	15-30	26.5	16.4	X	
39.9	39.9	<0.1	15-30	22.4	27.6	X	
40.0	40.0	<0.1	15-30	29.5	15.4	X	
40.1	40.1	<0.1	>30	33.3	18.5	X	
40.4	40.4	<0.1	15-30	23.0	15.6	X	
40.4	40.5	<0.1	15-30	27.1	15.7	X	
40.9	40.9	<0.1	15-30	27.6	21.2	X	
41.0	41.1	<0.1	15-30	29.4	16.2	X	
41.1	41.2	0.1	>30	38.5	16.3	X	
41.2	41.3	0.2	>30	46.0	17.0	X	
41.4	41.5	0.1	>30	61.0	25.3	X	
41.6	41.7	0.1	15-30	27.3	17.6	X	
41.8	41.8	<0.1	15-30	27.4	15.9	X	
41.9	41.9	<0.1	>30	30.1	18.1	X	
42.0	42.0	<0.1	15-30	20.2	32.4	X	
42.0	42.0	<0.1	>30	33.6	21.1	X	
42.1	42.1	<0.1	15-30	24.9	18.0	X	
42.2	42.2	<0.1	>30	41.8	16.3	X	
42.3	42.3	<0.1	15-30	22.2	18.6	X	
42.4	42.4	<0.1	15-30	22.8	16.5	X	
42.4	42.4	<0.1	15-30	21.6	16.7	X	
42.4	42.5	0.1	>30	38.4	16.6	X	
42.6	42.7	0.1	>30	43.7	21.7	X	
42.7	42.9	0.1	>30	66.1	21.5	X	
43.0	43.0	0.1	>30	31.0	17.7	X	
43.0	43.1	0.1	>30	51.4	21.7	X	
43.1	43.2	0.1	>30	43.3	24.6	X	
43.2	43.4	0.1	>30	65.9	19.5	X	
43.4	43.4	<0.1	>30	50.2	33.8	X	
43.4	43.6	0.2	>30	52.6	36.2		X
43.7	43.7	<0.1	>30	45.1	21.4	X	
43.7	43.8	0.1	>30	35.9	16.0	X	
44.0	44.0	<0.1	15-30	26.1	17.9	X	
44.2	44.2	<0.1	15-30	21.3	15.1	X	
44.4	44.5	0.1	15-30	21.4	15.2	X	
44.5	44.6	<0.1	15-30	28.5	21.6	X	
44.7	44.8	0.1	>30	62.1	25.5	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
44.9	44.9	<0.1	>30	57.9	22.4	X	
45.0	45.0	0.1	>30	62.8	16.9	X	
45.1	45.1	0.1	>30	41.4	16.5	X	
45.2	45.3	0.1	>30	53.4	17.8	X	
45.3	45.3	<0.1	15-30	29.2	16.3	X	
45.4	45.4	<0.1	15-30	23.9	17.7	X	
45.4	45.5	<0.1	15-30	26.7	15.4	X	
45.5	45.5	<0.1	15-30	18.1	15.6	X	
45.6	45.6	<0.1	15-30	19.3	15.6	X	
45.8	45.9	<0.1	15-30	22.1	16.5	X	
45.9	45.9	<0.1	>30	59.3	33.2	X	
46.0	46.0	<0.1	>30	42.4	26.8	X	
46.1	46.2	0.1	>30	44.6	17.0	X	
46.3	46.4	0.1	15-30	23.8	16.9	X	
46.5	46.5	<0.1	>30	40.4	20.5	X	
46.5	46.5	<0.1	>30	30.2	24.5	X	
46.5	47.0	0.5	>30	37.0	21.7		X
46.6	46.6	<0.1	>30	31.8	21.2	X	
46.8	46.8	<0.1	>30	32.2	16.1	X	
46.9	46.9	<0.1	>30	33.3	28.7	X	
46.9	46.9	<0.1	15-30	23.1	21.2	X	
47.0	47.0	<0.1	15-30	27.4	18.5	X	
47.5	47.5	<0.1	>30	30.5	18.6	X	
47.6	47.7	0.1	>30	34.1	15.9	X	
47.9	47.9	0.1	>30	47.0	17.6	X	
47.9	48.0	0.1	>30	51.4	16.7	X	
48.1	48.2	0.1	>30	51.7	18.2	X	
48.2	48.3	0.1	>30	59.4	17.5	X	
48.3	48.4	0.1	>30	41.3	15.2	X	
48.5	48.5	<0.1	>30	20.58	15.6	X	
48.6	48.6	<0.1	15-30	28.1	19.6	X	
48.6	48.7	<0.1	15-30	23.2	15.0	X	
48.7	48.7	<0.1	15-30	24.2	16.9	X	
48.9	48.9	<0.1	>30	30.8	17.1	X	
48.9	49.0	<0.1	15-30	27.4	15.7	X	
49.2	49.2	0.1	>30	31.5	16.2	X	
49.3	49.3	<0.1	>30	30.1	18.3	X	
49.4	49.5	0.1	>30	41.5	16.7	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
49.6	49.7	0.1	>30	32.9	16.3	X	
49.8	49.9	<0.1	15-30	17.9	16.4	X	
50.0	50.0	<0.1	15-30	25.9	20.3	X	
50.0	50.1	0.1	>30	33.9	15.3	X	
50.1	50.2	<0.1	15-30	24.7	15.9	X	
50.8	50.9	<0.1	15-30	24.3	16.1	X	
50.9	51.0	0.1	>30	66.5	15.7	X	
51.1	51.2	0.1	>30	57.9	16.9	X	
51.2	51.3	<0.1	>30	52.3	32.7	X	
51.3	51.4	0.1	>30	51.5	15.6	X	
51.4	51.5	0.1	>30	51.3	15.9	X	
51.5	51.6	<0.1	>30	38.6	18.0	X	
51.7	51.8	0.1	>30	50.1	15.1	X	
52.0	52.0	<0.1	15-30	18.5	16.6	X	
52.1	52.2	<0.1	>30	34.4	17.2	X	
52.2	52.3	0.1	>30	55.2	15.9	X	
52.3	52.4	<0.1	>30	34.0	23.1	X	
52.4	52.4	<0.1	>30	32.1	19.3	X	
52.5	52.6	0.1	>30	56.8	18.7	X	
53.0	53.0	<0.1	>30	31.5	21.7	X	
53.1	53.1	<0.1	15-30	21.9	17.8	X	
53.1	53.2	0.1	>30	30.6	16.0	X	
53.2	53.3	0.1	15-30	29.7	21.9		X
53.4	53.5	<0.1	15-30	28.0	20.2	X	
53.5	53.6	<0.1	15-30	17.3	38.6	X	
53.6	53.6	<0.1	15-30	18.0	15.6	X	
53.8	53.8	<0.1	15-30	29.1	16.3	X	
53.9	53.9	<0.1	15-30	29.9	16.5	X	
54.0	54.0	<0.1	15-30	21.7	15.3	X	
54.1	54.1	<0.1	15-30	17.5	15.0	X	
54.2	54.2	<0.1	15-30	26.4	15.4	X	
54.4	54.4	<0.1	15-30	25.6	18.8	X	
54.7	54.7	<0.1	>30	30.5	19.7	X	
54.7	54.7	<0.1	15-30	26.5	18.0	X	
54.7	54.8	<0.1	15-30	19.8	15.9	X	
54.8	54.9	<0.1	15-30	22.5	15.2	X	
54.9	55.0	0.1	>30	35.2	16.1	X	
55.0	55.2	0.2	>30	64.6	17.6	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
55.2	55.3	0.1	>30	80.0	23.3	X	
55.3	55.4	<0.1	>30	60.9	22.0	X	
55.4	55.5	0.1	>30	34.9	15.2	X	
55.7	55.7	<0.1	15-30	28.0	19.9	X	
55.8	55.9	<0.1	>30	30.6	16.6	X	
55.9	55.9	0.1	>30	-30.5	15.3	X	
56.0	56.0	<0.1	>30	32.6	17.9	X	
56.2	56.3	<0.1	>30	30.8	22.3	X	
56.5	56.7	0.2	>30	37.2	15.3	X	
56.7	56.7	<0.1	15-30	28.9	19.7	X	
56.7	56.8	<0.1	>30	39.5	21.2	X	
57.1	57.6	0.5	>30	42.9	24.0		X
57.2	57.2	<0.1	15-30	19.8	15.1	X	
58.0	58.0	<0.1	15-30	15.1	20.1	X	
58.1	58.1	0.1	>30	38.6	16.0	X	
58.2	58.2	<0.1	15-30	21.1	18.4	X	
58.3	58.4	0.2	>30	43.3	15.6	X	
58.5	58.6	0.1	>30	62.0	17.7	X	
58.7	58.8	0.2	>30	76.3	15.0	X	
58.9	58.9	<0.1	15-30	27.5	16.0	X	
59.2	59.3	<0.1	15-30	26.5	15.5	X	
59.4	59.5	0.1	>30	105.9	16.4	X	
59.5	59.6	0.1	>30	56.9	17.9	X	
59.6	59.7	<0.1	15-30	24.1	17.7	X	
59.8	59.8	<0.1	15-30	22.6	15.4	X	
59.8	60.0	0.2	>30	77.1	17.3	X	
60.0	60.1	0.1	>30	64.2	17.3	X	
60.2	60.2	0.1	>30	35.3	17.9	X	
60.3	60.4	0.1	>30	55.2	15.5	X	
60.5	60.7	0.2	>30	65.2	15.1	X	
60.7	60.7	<0.1	>30	32.3	18.4	X	
60.8	60.9	0.1	>30	30.7	18.6	X	
61.0	61.1	0.1	>30	52.8	16.3	X	
61.2	61.2	<0.1	>30	53.2	24.6	X	
61.3	61.3	<0.1	15-30	22.3	15.2	X	
61.4	61.6	0.2	>30	61.8	18.1	X	
61.6	61.7	<0.1	>30	54.7	21.1	X	
61.9	61.9	<0.1	>30	37.3	17.9	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
62.0	62.2	0.3	>30	84.1	15.9	X	
62.3	62.4	0.1	>30	82.4	28.3	X	
62.8	62.8	<0.1	15-30	25.1	18.2	X	
62.9	62.9	<0.1	>30	33.2	18.5	X	
63.0	63.1	0.1	>30	34.3	17.1	X	
63.1	63.2	<0.1	>30	40.8	17.9	X	
63.6	63.6	<0.1	15-30	22.0	17.6	X	
63.7	63.7	<0.1	15-30	23.8	16.6	X	
64.1	64.1	<0.1	>30	36.8	15.1	X	
64.3	64.3	<0.1	>30	52.3	18.4	X	
64.3	64.3	<0.1	>30	40.2	15.4	X	
64.5	64.5	<0.1	15-30	29.6	15.4	X	
64.5	64.6	<0.1	15-30	25.9	20.1	X	
64.6	64.7	0.1	>30	41.4	16.2	X	
64.7	64.8	0.1	>30	42.1	17.1	X	
64.9	64.9	<0.1	15-30	29.7	20.5	X	
64.9	65.0	<0.1	15-30	20.4	15.7	X	
65.2	65.2	<0.1	15-30	24.7	15.2	X	
65.3	65.4	0.1	>30	60.2	16.6	X	
65.4	65.5	<0.1	>30	34.1	17.9	X	
65.5	65.5	<0.1	>30	59.1	22.9	X	
65.6	65.7	0.1	>30	48.2	16.4	X	
65.7	65.8	<0.1	>30	41.2	22.8	X	
65.8	65.8	<0.1	15-30	18.8	15.9	X	
66.0	66.0	<0.1	>30	30.3	19.1	X	
66.5	66.6	<0.1	>30	53.9	17.8	X	
66.6	66.6	0.1	>30	34.3	22.0	X	
66.9	67.0	<0.1	15-30	22.4	15.9	X	
67.1	67.1	<0.1	15-30	21.7	16.3	X	
67.3	67.3	<0.1	>30	30.4	16.0	X	
67.4	67.5	0.1	>30	50.2	19.2	X	
67.5	67.6	0.1	>30	56.0	17.9	X	
67.7	67.7	<0.1	>30	33.4	17.7	X	
67.7	67.8	0.1	>30	45.7	15.5	X	
67.9	68.0	0.1	>30	36.6	15.6	X	
68.5	68.5	<0.1	15-30	25.7	18.7	X	
68.6	68.8	0.2	>30	68.6	16.5	X	
68.8	68.9	0.1	>30	57.4	24.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
68.9	69.0	<0.1	15-30	22.6	17.5	X	
69.2	69.2	0.1	>30	70.7	17.7	X	
69.2	69.3	<0.1	>30	35.4	17.3	X	
69.3	69.3	<0.1	15-30	28.5	19.1	X	
69.3	69.8	0.5	>30	34.8	16.1		X
69.6	69.6	0.1	15-30	27.0	17.8	X	
69.7	69.7	0.1	15-30	23.8	15.1	X	
69.9	69.9	<0.1	15-30	23.0	17.3	X	
70.0	70.1	0.1	>30	55.8	23.7	X	
70.1	70.3	0.1	>30	57.5	23.8	X	
70.3	70.3	<0.1	15-30	21.2	16.4	X	
70.3	70.3	<0.1	15-30	25.9	15.7	X	
70.4	70.5	0.1	>30	37.7	15.3	X	
70.5	70.6	0.1	>30	38.5	15.1	X	
70.7	70.8	<0.1	15-30	20.6	16.0	X	
70.8	70.8	<0.1	15-30	22.6	16.5	X	
70.9	71.0	<0.1	>30	40.4	19.6	X	
71.1	71.2	0.2	>30	33.2	16.7	X	
71.5	71.5	<0.1	>30	31.1	21.5	X	
71.6	71.7	<0.1	15-30	19.0	16.4	X	
71.7	71.8	0.1	>30	39.2	16.5	X	
71.8	71.9	0.1	>30	54.1	18.4	X	
71.9	72.0	<0.1	>30	47.6	18.8	X	
72.3	72.4	0.1	>30	46.0	15.2	X	
72.4	72.4	<0.1	>30	39.4	21.3	X	
72.5	72.5	0.1	>30	36.6	23.8	X	
72.6	72.7	0.2	>30	57.9	25.4	X	
73.2	73.2	<0.1	15-30	28.5	15.7	X	
73.5	73.6	0.1	>30	47.3	18.4	X	
73.7	73.8	0.1	>30	53.8	18.2	X	
73.9	73.9	<0.1	15-30	28.8	16.3	X	
74.0	74.1	0.1	>30	41.2	18.5	X	
74.1	74.1	<0.1	>30	43.4	35.8	X	
74.2	74.2	<0.1	>30	53.1	20.2	X	
74.2	74.3	0.1	>30	56.8	19.6	X	
74.6	74.7	0.1	>30	36.0	16.0	X	
74.7	74.7	<0.1	>30	39.8	15.1	X	
74.8	74.9	0.2	>30	75.9	15.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
75.1	75.3	0.2	>30	62.1	21.9	X	
75.3	75.3	<0.1	>30	37.2	20.8	X	
75.7	75.7	<0.1	>30	34.7	22.9	X	
75.9	75.9	<0.1	15-30	19.2	16.7	X	
76.1	76.2	0.1	>30	32.2	15.1	X	
76.4	76.4	<0.1	>30	30.6	15.8	X	
76.7	76.8	0.1	>30	78.7	15.1	X	
76.8	76.9	0.1	>30	81.6	34.9	X	
77.0	77.0	<0.1	>30	37.6	16.3	X	
77.0	77.0	<0.1	15-30	20.1	15.7	X	
77.2	77.3	<0.1	15-30	26.7	21.6	X	
77.4	77.4	<0.1	15-30	21.7	15.0	X	
77.5	77.5	<0.1	15-30	24.3	18.6	X	
77.6	77.7	0.1	>30	72.6	25.6	X	
77.8	77.9	0.1	>30	61.3	19.9	X	
78.0	78.2	0.1	>30	57.2	18.7	X	
78.2	78.4	0.2	>30	65.6	15.4	X	
78.6	78.7	<0.1	15-30	21.2	17.7	X	
78.8	78.9	<0.1	15-30	23.3	20.6	X	
79.4	79.4	<0.1	15-30	28.3	18.0	X	
79.5	79.5	<0.1	>30	36.4	15.6	X	
79.7	79.8	0.1	>30	84.3	20.8	X	
79.8	80.0	0.1	>30	84.1	29.0	X	
80.2	80.2	<0.1	>30	36.2	17.8	X	
80.3	80.3	<0.1	15-30	29.3	16.4	X	
80.6	80.7	0.1	15-30	29.3	16.5	X	
80.7	80.8	0.1	>30	41.6	19.5	X	
80.8	80.9	0.1	>30	41.8	19.8	X	
81.1	81.2	0.1	15-30	28.6	15.1	X	
81.2	81.3	0.1	>30	74.2	16.2	X	
81.3	81.4	0.1	>30	67.2	22.7	X	
81.4	81.5	0.1	>30	48.3	18.0	X	
81.5	81.7	0.1	>30	56.4	15.6	X	
81.9	81.9	<0.1	>30	36.0	16.3	X	
81.9	82.0	<0.1	>30	40.3	17.9	X	
82.0	82.1	0.1	>30	43.5	24.4		X
82.1	82.1	0.1	>30	56.6	16.3	X	
82.1	82.3	0.2	>30	35.1	21.7		X

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
82.2	82.2	<0.1	15-30	24.1	16.2	X	
82.2	82.4	0.1	>30	56.7	16.1	X	
82.5	82.6	0.1	>30	59.6	18.1	X	
82.6	82.7	0.1	>30	39.1	37.0		X
82.7	82.7	<0.1	>30	36.3	15.3	X	
82.7	83.0	0.3	>30	74.4	22.2	X	
83.0	83.0	<0.1	>30	30.7	17.4	X	
83.5	83.5	<0.1	15-30	19.4	17.8	X	
83.5	83.5	<0.1	>30	56.9	26.1	X	
83.5	83.5	<0.1	>30	32.1	23.6	X	
83.7	83.8	0.1	>30	79.3	17.2	X	
83.8	84.1	0.3	>30	59.9	17.6	X	
84.2	84.2	<0.1	>30	66.4	33.1	X	
84.4	84.7	0.3	>30	63.2	15.4	X	
84.7	84.7	<0.1	15-30	29.8	17.4	X	
85.1	85.2	0.1	>30	45.5	16.5	X	
85.3	85.4	<0.1	15-30	23.8	20.4	X	
85.5	85.5	<0.1	15-30	25.0	18.1	X	
85.6	85.7	0.1	>30	44.4	16.4	X	
85.8	85.9	0.1	>30	50.7	20.1	X	
86.0	86.0	<0.1	15-30	29.3	16.1	X	
86.3	86.4	0.1	>30	31.6	17.2	X	
86.7	86.8	0.2	>30	56.8	18.4	X	
86.9	87.4	0.4	>30	56.5	17.1	X	
87.8	88.0	0.2	15-30	15.0	48.7	X	
88.0	88.1	0.1	>30	46.9	17.6	X	
88.1	88.2	0.1	>30	57.1	17.6	X	
88.2	88.3	0.1	>30	80.4	16.3	X	
88.3	88.4	<0.1	15-30	23.7	35.4	X	
88.4	88.5	0.1	>30	50.0	18.1	X	
88.9	88.9	<0.1	15-30	21.7	15.7	X	
89.2	89.2	<0.1	15-30	29.2	15.6	X	
89.7	89.8	<0.1	>30	32.5	15.0	X	
90.2	90.3	<0.1	>30	42.0	24.8	X	
90.3	90.3	<0.1	15-30	23.8	15.5	X	
90.4	90.5	0.1	>30	75.7	16.5	X	
90.5	90.7	0.2	>30	63.2	17.6	X	
90.8	91.1	0.3	>30	69.6	16.4	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
91.2	91.2	<0.1	15-30	27.8	16.6	X	
91.9	91.9	<0.1	15-30	29.5	17.2	X	
92.1	92.1	<0.1	15-30	18.7	15.0	X	
92.3	92.5	0.2	>30	95.2	19.7	X	
92.5	92.7	0.2	>30	73.7	24.6	X	
92.7	92.8	<0.1	15-30	23.7	15.5	X	
92.8	93.1	0.2	>30	72.9	19.2	X	
93.2	93.4	0.1	>30	53.7	17.0	X	
93.4	93.4	<0.1	15-30	25.3	15.0	X	
93.4	93.6	0.1	>30	60.0	27.5	X	
94.2	94.3	<0.1	>30	39.9	16.4	X	
94.4	94.5	0.1	>30	47.6	15.3	X	
94.5	94.5	<0.1	15-30	29.4	18.8	X	
94.8	94.8	<0.1	15-30	21.2	15.2	X	
96.0	96.0	<0.1	15-30	25.2	15.4	X	
96.4	96.4	0.1	>30	36.6	16.8	X	
96.5	96.5	<0.1	15-30	27.1	19.3	X	
96.6	96.6	<0.1	>30	30.6	16.7	X	
96.6	96.7	0.1	>30	42.9	15.0	X	
96.7	96.8	0.1	>30	56.3	17.9	X	
96.9	96.9	<0.1	15-30	22.3	18.4	X	
97.1	97.1	<0.1	15-30	29.3	18.0	X	
97.2	97.3	<0.1	>30	72.3	19.8	X	
97.3	97.3	<0.1	15-30	23.1	15.6	X	
97.4	97.4	<0.1	>30	30.3	16.0	X	
97.4	97.5	0.1	>30	42.5	17.4	X	
97.5	97.7	0.2	>30	51.3	17.4	X	
97.9	98.0	0.1	>30	48.0	20.6	X	
98.0	98.1	0.1	>30	79.3	33.1	X	
98.4	98.7	0.3	>30	61.2	17.2	X	
98.9	99.0	0.1	>30	60.2	17.2	X	
99.0	99.1	<0.1	>30	46.1	18.7	X	
99.1	99.1	<0.1	>30	31.0	15.3	X	
99.2	99.3	0.1	>30	55.3	22.9	X	
99.3	99.4	0.1	15-30	29.4	16.0	X	
99.4	99.5	0.1	>30	86.5	18.6	X	
99.5	99.5	<0.1	15-30	22.0	15.6	X	
99.7	99.7	<0.1	15-30	26.3	18.0	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
99.8	99.8	<0.1	>30	34.8	20.0	X	
99.8	99.9	0.1	>30	34.0	15.5	X	
100.1	100.2	0.1	>30	58.5	15.2	X	
100.2	100.2	<0.1	>30	33.6	17.1	X	
100.6	100.6	0.1	>30	44.6	15.9	X	
100.7	100.7	0.1	>30	47.4	16.3	X	
100.8	100.9	<0.1	>30	52.3	20.2	X	
100.9	101.0	<0.1	>30	35.0	16.6	X	
101.2	101.2	<0.1	>30	32.0	21.5	X	
101.3	101.3	<0.1	15-30	26.6	18.9	X	
101.4	101.4	<0.1	15-30	21.6	16.4	X	
101.5	101.6	0.1	>30	37.7	16.0	X	
101.6	101.7	0.1	>30	33.1	18.3	X	
101.8	101.8	<0.1	15-30	21.8	15.0	X	
101.9	102.0	0.1	>30	49.0	19.5	X	
102.1	102.1	<0.1	15-30	25.9	16.7	X	
102.1	102.1	<0.1	15-30	26.0	15.7	X	
102.3	102.3	<0.1	>30	35.1	17.5	X	
102.3	102.4	<0.1	15-30	29.5	15.6	X	
102.5	102.5	<0.1	>30	57.4	22.8	X	
102.6	102.6	<0.1	>30	36.2	25.0	X	
102.6	102.7	0.1	>30	44.5	19.2	X	
102.7	102.8	<0.1	15-30	28.4	18.9	X	
102.8	102.9	0.1	>30	42.9	20.3	X	
103.1	103.2	<0.1	>30	45.7	30.9	X	
103.2	103.3	<0.1	>30	64.4	29.6	X	
103.5	103.5	<0.1	15-30	28.6	22.3	X	
103.5	103.6	0.1	>30	32.0	16.1	X	
103.8	103.8	<0.1	>30	30.6	80.3	X	
103.8	103.9	0.1	15-30	25.5	16.1	X	
103.9	104.0	<0.1	15-30	27.0	16.2	X	
104.0	104.1	0.1	15-30	29.0	15.6	X	
104.2	104.2	0.1	>30	41.4	19.7	X	
104.2	104.3	0.1	>30	35.6	16.7	X	
104.7	104.7	<0.1	15-30	26.2	17.8	X	
104.8	104.8	<0.1	>30	30.9	15.7	X	
104.9	104.9	<0.1	15-30	24.5	18.2	X	
105.0	105.0	<0.1	15-30	26.6	16.3	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
105.0	105.1	<0.1	>30	31.2	18.7	X	
105.3	105.3	<0.1	15-30	26.8	17.1	X	
105.3	105.3	<0.1	>30	33.1	15.4	X	
105.8	105.8	0.1	>30	33.1	19.9	X	
105.9	105.9	<0.1	>30	33.2	19.1	X	
106.0	106.1	0.1	>30	31.5	16.1	X	
106.2	106.2	<0.1	>30	39.5	15.8	X	
106.3	106.4	<0.1	>30	37.4	20.2	X	
106.5	106.5	<0.1	15-30	26.8	16.8	X	
106.5	106.5	<0.1	15-30	21.3	15.4	X	
106.6	106.7	<0.1	15-30	27.8	19.5	X	
106.7	106.8	0.1	>30	-53.2	18.0	X	
106.8	107.0	0.1	>30	43.7	15.2	X	
107.0	107.0	<0.1	15-30	28.6	17.2	X	
107.1	107.1	<0.1	15-30	28.7	19.0	X	
107.1	107.2	0.1	>30	46.3	16.0	X	
107.3	107.4	<0.1	>30	44.0	22.0	X	
107.5	107.5	<0.1	>30	46.4	26.6	X	
107.5	107.6	0.1	>30	44.8	17.1	X	
107.6	107.7	<0.1	15-30	23.2	15.2	X	
107.8	107.8	<0.1	>30	30.2	21.1	X	
107.9	107.9	<0.1	15-30	17.6	15.5	X	
108.1	108.2	0.1	15-30	29.1	15.3	X	
108.2	108.3	<0.1	>30	30.7	16.3	X	
108.3	108.3	<0.1	>30	35.8	19.3	X	
108.4	108.4	<0.1	15-30	26.3	18.8	X	
108.5	108.6	<0.1	>30	35.8	15.6	X	
108.6	108.6	<0.1	15-30	21.4	16.5	X	
108.7	108.7	<0.1	>30	45.7	20.1	X	
108.8	108.8	<0.1	15-30	21.6	16.7	X	
108.8	108.9	<0.1	15-30	25.9	18.6	X	
108.9	109.0	<0.1	15-30	23.6	20.9	X	
109.1	109.1	0.1	15-30	27.1	17.4	X	
109.1	109.2	<0.1	15-30	21.7	18.8	X	
109.2	109.2	0.1	>30	36.4	19.0	X	
109.5	109.5	<0.1	>30	38.9	15.1	X	
109.6	109.6	<0.1	15-30	27.0	17.1	X	
109.9	110.0	0.1	>30	52.0	16.9	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
110.4	110.4	<0.1	15-30	19.2	17.1	X	
110.7	110.7	<0.1	15-30	25.2	18.1	X	
110.7	110.8	<0.1	15-30	25.9	17.3	X	
110.8	110.8	<0.1	>30	32.1	18.6	X	
111.1	111.1	<0.1	>30	34.4	19.9	X	
111.2	111.2	<0.1	15-30	22.3	16.0	X	
111.3	111.3	<0.1	15-30	25.5	17.3	X	
111.5	111.5	0.1	>30	38.2	15.9	X	
111.6	111.7	0.1	>30	32.7	17.4	X	
111.7	111.7	<0.1	>30	36.7	31.5		X
111.7	111.8	<0.1	>30	47.6	15.7	X	
111.8	111.9	0.1	>30	35.0	16.4	X	
111.9	112.0	0.1	>30	50.0	19.0	X	
112.1	112.1	<0.1	15-30	26.4	16.4	X	
112.1	112.1	<0.1	15-30	28.7	21.0	X	
112.2	112.2	<0.1	>30	37.0	23.6	X	
112.4	112.4	<0.1	>30	37.1	20.6	X	
112.4	112.4	<0.1	>30	37.0	18.6	X	
112.8	112.8	<0.1	15-30	25.2	15.2	X	
113.0	113.0	<0.1	>30	35.8	25.1	X	
113.4	113.4	<0.1	15-30	27.7	18.0	X	
113.5	113.5	<0.1	15-30	26.3	15.8	X	
113.7	113.7	<0.1	15-30	20.0	16.8	X	
113.9	114.0	<0.1	>30	34.5	15.3	X	
114.1	114.1	<0.1	>30	33.3	15.2	X	
114.8	114.8	<0.1	>30	31.2	19.0	X	
114.8	114.8	<0.1	15-30	29.1	19.8	X	
115.0	115.1	0.1	>30	50.9	16.6	X	
115.1	115.2	<0.1	>30	41.9	22.3	X	
115.2	115.2	<0.1	>30	45.1	18.6	X	
115.4	115.5	<0.1	15-30	24.8	17.0	X	
115.7	115.8	0.1	>30	50.6	16.0	X	
115.8	115.8	<0.1	>30	59.7	41.5	X	
115.9	115.9	0.1	>30	90.5	15.6	X	
116.1	116.3	0.2	15-30	21.1	19.0		X
116.2	116.2	<0.1	15-30	20.0	16.5	X	
116.3	116.3	<0.1	15-30	28.2	15.1	X	
116.4	116.4	<0.1	>30	35.6	27.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
116.8	116.8	<0.1	15-30	23.8	16.4	X	
117.2	117.2	<0.1	>30	39.1	17.5	X	
117.5	117.5	<0.1	15-30	29.5	21.6	X	
117.6	117.6	<0.1	>30	52.8	26.4	X	
117.9	117.9	<0.1	>30	30.1	16.4	X	
118.0	118.0	<0.1	15-30	23.3	16.2	X	
118.1	118.1	<0.1	15-30	23.8	16.0	X	
118.1	118.2	0.1	>30	48.7	16.2	X	
118.3	118.3	<0.1	>30	36.6	15.3	X	
118.3	118.5	0.1	>30	76.7	20.1	X	
118.5	118.6	<0.1	>30	63.0	22.8	X	
118.6	118.7	<0.1	>30	63.5	21.5	X	
118.7	118.9	0.3	>30	63.1	17.2	X	
119.2	119.4	0.2	>30	38.3	18.9	X	
119.4	119.5	0.1	>30	39.3	17.3	X	
119.6	119.7	<0.1	15-30	19.5	16.0	X	
119.7	119.9	0.2	>30	70.2	16.3	X	
120.0	120.1	0.1	>30	63.7	18.7	X	
122.1	122.1	<0.1	15-30	17.7	15.2	X	
122.2	122.2	<0.1	15-30	20.9	17.6	X	
122.2	122.7	0.5	>30	31.7	22.4		X
122.6	122.7	<0.1	>30	35.7	23.1	X	
122.7	122.8	0.1	>30	54.6	16.0	X	
122.8	122.9	0.1	15-30	25.4	15.6		X
122.9	123.0	0.1	>30	66.7	26.6	X	
123.1	123.1	0.1	>30	79.7	26.9	X	
123.1	123.2	<0.1	>30	61.3	31.8	X	
123.3	123.3	<0.1	15-30	19.6	16.4	X	
124.2	124.2	0.1	>30	33.5	17.7	X	
124.2	124.3	<0.1	15-30	28.9	19.0	X	
124.3	124.3	<0.1	15-30	24.9	23.0	X	
124.4	124.4	<0.1	15-30	18.1	17.2	X	
124.5	124.6	0.2	15-30	22.0	8.8		X
124.6	124.6	<0.1	15-30	19.4	17.4	X	
124.6	124.6	<0.1	15-30	22.0	17.9	X	
124.7	124.7	<0.1	>30	32.2	23.1	X	
124.7	124.7	<0.1	>30	39.0	16.4	X	
124.9	124.9	<0.1	15-30	17.0	15.4	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
124.9	125.0	<0.1	>30	33.9	23.3	X	
125.1	125.2	0.1	>30	44.4	18.9	X	
125.2	125.2	<0.1	>30	46.3	33.7	X	
125.6	125.7	0.1	>30	48.2	18.4	X	
125.7	125.8	0.1	>30	51.6	18.0	X	
125.9	125.9	<0.1	>30	38.7	17.8	X	
125.9	126.0	<0.1	15-30	29.1	16.1	X	
126.1	126.1	<0.1	15-30	24.6	18.4	X	
126.1	126.3	0.1	>30	39.1	16.3	X	
126.3	126.4	0.2	>30	50.4	17.0	X	
126.6	126.7	0.1	>30	74.5	18.6	X	
126.8	126.9	0.1	>30	36.5	16.6	X	
126.9	127.0	0.1	>30	35.4	24.0		X
126.9	126.9	<0.1	>30	30.7	25.0	X	
127.0	127.0	<0.1	>30	47.6	29.3	X	
127.0	127.1	<0.1	>30	32.8	23.6	X	
127.3	127.4	<0.1	>30	38.8	21.3	X	
127.6	127.7	0.1	>30	38.8	24.0		X
127.6	127.8	0.2	>30	45.2	15.1	X	
127.8	127.8	<0.1	15-30	19.9	15.1	X	
128.1	128.3	0.2	>30	56.5	20.7	X	
128.4	128.5	0.1	>30	37.3	16.9	X	
128.6	128.7	<0.1	15-30	16.2	15.1	X	
128.7	128.7	<0.1	15-30	30.0	19.7	X	
128.9	129.0	0.1	15-30	25.2	18.5	X	
129.3	129.3	0.1	>30	39.9	20.0	X	
129.4	129.5	0.1	>30	54.3	15.7	X	
129.9	130.0	0.2	>30	45.8	18.8	X	
130.0	130.1	0.1	>30	35.2	15.6	X	
130.2	130.3	0.2	>30	40.6	15.7	X	
130.3	130.4	<0.1	>30	44.0	32.1	X	
130.4	130.5	0.1	>30	49.0	20.4	X	
130.7	130.9	0.2	>30	58.2	17.4	X	
131.0	131.0	0.1	15-30	27.6	20.0		X
131.1	131.1	0.1	>30	41.5	16.2	X	
131.2	131.2	0.1	>30	54.1	18.3	X	
131.5	131.5	<0.1	15-30	27.4	15.2	X	
131.5	131.8	0.3	15-30	26.9	19.7		X

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
131.8	131.9	0.1	>30	42.8	16.3	X	
131.9	131.9	<0.1	15-30	29.4	15.9	X	
131.9	132.0	0.1	15-30	28.1	15.6	X	
132.0	132.1	<0.1	>30	81.3	15.6	X	
132.1	132.2	0.1	>30	58.5	19.0	X	
132.4	132.4	0.1	>30	31.0	17.3	X	
132.8	132.8	<0.1	>30	31.4	17.7	X	
132.8	132.9	<0.1	15-30	25.2	17.2	X	
133.7	133.8	0.1	>30	41.6	17.8	X	
133.9	133.9	<0.1	>30	52.5	18.9	X	
134.0	134.0	0.1	>30	31.5	17.3	X	
134.1	134.1	<0.1	15-30	23.3	15.5	X	
134.3	134.4	0.1	>30	40.4	17.5	X	
134.7	134.7	<0.1	>30	54.3	16.3	X	
135.0	135.0	<0.1	15-30	27.9	16.4	X	
135.6	135.7	0.1	>30	31.9	17.0	X	
136.3	136.4	<0.1	15-30	18.9	15.5	X	
136.6	136.6	<0.1	>30	54.2	15.8	X	
138.3	138.3	<0.1	>30	42.2	26.5	X	
138.4	138.4	<0.1	15-30	24.5	17.7	X	
138.6	138.6	<0.1	15-30	28.2	20.8	X	
139.4	139.4	0.1	>30	48.6	17.4	X	
140.0	140.0	0.1	>30	61.0	16.0	X	
140.1	140.2	0.1	>30	65.8	15.4	X	
140.6	140.6	<0.1	15-30	29.7	17.8	X	
140.7	140.7	<0.1	15-30	25.2	16.3	X	
140.7	140.8	<0.1	15-30	29.1	17.2	X	
141.5	141.6	<0.1	>30	30.4	17.2	X	
142.1	142.2	<0.1	15-30	29.5	17.0	X	
143.2	143.3	0.1	>30	47.9	22.1	X	
143.3	143.4	0.1	>30	49.3	17.0	X	
143.4	143.5	0.1	>30	44.3	15.9	X	
143.9	144.1	0.2	>30	58.7	20.3	X	
144.1	144.2	0.1	>30	68.0	20.8	X	
144.2	144.3	0.1	>30	37.3	17.3	X	
144.5	144.5	<0.1	>30	43.4	19.9	X	
145.2	145.2	<0.1	15-30	20.4	16.8	X	
145.2	145.2	<0.1	15-30	22.6	15.8	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
145.6	145.7	0.1	>30	34.4	19.1	X	
146.3	146.7	0.3	>30	55.5	19.0	X	
146.7	146.9	0.1	>30	52.1	16.5	X	
146.9	147.0	0.1	>30	49.2	18.8	X	
147.0	147.1	0.1	>30	57.2	26.6	X	
147.2	147.2	<0.1	15-30	17.5	16.9	X	
147.8	147.8	<0.1	15-30	22.2	18.3	X	
147.9	147.9	<0.1	15-30	28.5	15.8	X	
148.0	148.1	0.1	>30	36.2	17.6	X	
148.4	148.4	<0.1	15-30	19.7	15.1	X	
148.5	148.5	<0.1	>30	64.5	38.5	X	
148.6	148.6	0.1	>30	50.3	23.1	X	
148.7	148.7	<0.1	15-30	21.1	17.4	X	
148.8	148.8	<0.1	>30	50.9	16.9	X	
148.9	148.9	<0.1	15-30	27.0	15.5	X	
149.0	149.0	<0.1	>30	44.4	19.5	X	
149.1	149.1	<0.1	>30	51.8	17.7	X	
149.2	149.2	<0.1	>30	44.9	19.7	X	
149.2	149.3	<0.1	>30	68.7	19.3	X	
149.4	149.4	<0.1	15-30	27.1	15.6	X	
149.5	149.5	<0.1	>30	48.6	24.2	X	
149.5	149.6	0.1	>30	33.8	17.4	X	
149.6	149.8	0.2	>30	50.9	16.1	X	
150.0	150.0	<0.1	15-30	25.0	16.5	X	
150.1	150.1	<0.1	>30	32.3	16.7	X	
150.5	150.6	<0.1	>30	32.9	16.5	X	
150.7	150.7	<0.1	>30	33.8	18.1	X	
151.0	151.1	<0.1	15-30	28.2	21.5	X	
151.2	151.3	<0.1	>30	55.6	18.5	X	
151.4	151.4	<0.1	>30	34.0	18.3	X	
151.5	151.5	<0.1	>30	30.1	24.3	X	
152.4	152.4	<0.1	15-30	27.8	19.8	X	
152.4	152.4	<0.1	>30	36.3	23.8	X	
152.6	152.7	<0.1	>30	38.4	16.9	X	
152.7	152.7	<0.1	15-30	25.7	17.1	X	
152.9	152.9	<0.1	>30	31.6	16.6	X	
152.9	152.9	<0.1	15-30	30.0	17.7	X	
153.1	153.1	<0.1	15-30	22.7	18.9	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
153.2	153.3	0.1	15-30	27.7	15.2	X	
153.3	153.4	<0.1	15-30	22.8	17.6	X	
153.4	153.4	<0.1	>30	38.5	28.0	X	
153.5	153.5	<0.1	15-30	25.4	16.3	X	
153.5	153.5	<0.1	15-30	26.9	-23.1	X	
153.6	153.6	<0.1	>30	30.7	17.3	X	
153.7	153.7	<0.1	15-30	23.4	15.9	X	
154.0	154.0	<0.1	15-30	29.3	15.5	X	
154.3	154.3	0.1	>30	32.8	19.8	X	
154.4	154.4	0.1	>30	65.4	22.1	X	
154.4	154.5	<0.1	>30	34.7	19.3	X	
154.7	154.7	<0.1	>30	39.4	16.5	X	
154.9	154.9	<0.1	>30	65.1	18.5	X	
155.0	155.0	<0.1	>30	68.4	19.7	X	
155.1	155.2	0.1	>30	43.6	15.6	X	
155.2	155.3	<0.1	>30	41.6	23.1	X	
155.3	155.3	<0.1	>30	42.3	36.4		X
155.4	155.4	<0.1	>30	51.7	25.0	X	
155.5	155.5	<0.1	>30	31.9	18.2	X	
155.5	155.5	<0.1	>30	59.2	17.0	X	
155.6	155.6	<0.1	15-30	23.9	16.4	X	
155.8	155.8	<0.1	>30	43.9	25.5	X	
156.1	156.1	0.1	>30	35.9	16.1	X	
156.1	156.2	<0.1	>30	57.2	37.6	X	
156.2	156.3	0.1	>30	52.2	17.2	X	
156.3	156.3	<0.1	15-30	19.7	16.6	X	
156.4	156.4	<0.1	>30	40.7	19.8	X	
156.4	156.4	<0.1	15-30	25.0	16.2	X	
156.5	156.5	0.1	>30	46.9	17.7	X	
156.6	156.7	0.1	>30	68.4	21.0	X	
156.8	156.8	<0.1	>30	36.1	18.7	X	
156.9	157.0	<0.1	15-30	23.4	16.5	X	
157.0	157.0	<0.1	15-30	27.5	15.1	X	
157.5	157.5	<0.1	15-30	29.6	15.7	X	
157.6	157.6	<0.1	>30	36.0	23.2	X	
157.9	158.0	0.1	>30	31.3	15.9	X	
158.1	158.1	<0.1	15-30	22.5	16.2	X	
158.2	158.3	0.1	>30	68.4	18.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
158.5	158.5	<0.1	15-30	19.4	15.0	X	
158.6	158.6	<0.1	>30	30.1	17.1	X	
158.7	158.8	<0.1	>30	40.2	17.9	X	
158.9	159.0	<0.1	>30	36.2	25.9	X	
159.0	159.0	<0.1	>30	42.3	28.3	X	
159.3	159.3	<0.1	>30	35.9	19.2	X	
159.5	159.5	<0.1	15-30	20.9	15.3	X	
160.2	160.3	0.1	>30	48.6	17.5	X	
160.6	160.6	<0.1	15-30	24.1	17.4	X	
160.7	160.8	0.1	>30	38.4	23.2	X	
161.9	162.2	0.3	>30	54.1	24.9	X	
162.3	162.5	0.3	>30	70.1	16.8	X	
162.6	162.6	<0.1	>30	48.8	20.4	X	
162.6	162.7	0.1	>30	77.4	16.2	X	
162.8	162.8	<0.1	15-30	25.0	16.2	X	
162.9	163.1	0.1	>30	68.7	19.7	X	
163.4	163.4	0.1	15-30	26.7	15.2	X	
164.2	164.3	0.1	>30	43.6	18.2	X	
164.5	164.5	<0.1	15-30	26.8	16.1	X	
164.5	164.6	<0.1	>30	31.9	23.3	X	
164.6	164.7	0.1	>30	38.3	18.9	X	
164.8	164.9	0.1	>30	43.7	17.9	X	
165.2	165.2	<0.1	15-30	25.2	20.9	X	
165.4	165.4	0.1	15-30	27.0	15.5	X	
165.5	165.6	0.1	>30	36.0	15.3	X	
165.7	165.7	<0.1	15-30	20.2	17.5	X	
166.2	166.2	<0.1	>30	43.2	19.0	X	
166.3	166.3	0.1	>30	52.4	29.0	X	
166.3	166.4	0.1	15-30	27.9	15.6	X	
166.7	166.8	<0.1	>30	32.5	17.8	X	
167.6	167.7	0.1	>30	38.1	15.5	X	
167.7	167.9	0.2	>30	42.9	17.3	X	
168.0	168.1	<0.1	15-30	17.7	15.0	X	
168.2	168.2	<0.1	15-30	15.5	15.1	X	
168.4	168.4	<0.1	15-30	23.1	16.5	X	
168.5	168.5	<0.1	>30	31.2	15.4	X	
168.9	169.1	0.2	>30	35.6	16.2	X	
169.2	169.2	<0.1	>30	41.4	15.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
169.9	169.9	0.1	>30	39.4	15.7	X	
170.0	170.0	<0.1	>30	47.0	16.6	X	
170.0	170.0	<0.1	15-30	22.3	16.7	X	
170.1	170.1	<0.1	15-30	22.3	16.7	X	
170.3	170.4	0.1	>30	53.8	18.7	X	
170.4	170.5	0.1	>30	62.8	15.6	X	
171.0	171.1	<0.1	>30	54.6	15.7	X	
171.1	171.1	<0.1	>30	34.8	17.1	X	
171.1	171.2	0.1	>30	37.2	19.2	X	
171.2	171.3	<0.1	>30	37.1	15.5	X	
171.3	171.3	<0.1	15-30	20.3	17.1	X	
171.6	171.7	0.1	>30	46.3	15.0	X	
171.7	171.7	<0.1	>30	34.7	17.2	X	
171.7	171.8	<0.1	>30	47.0	26.6	X	
171.8	171.9	<0.1	>30	71.3	24.6	X	
171.9	171.9	<0.1	15-30	25.6	19.3	X	
172.0	172.0	0.1	>30	34.9	17.7	X	
172.2	172.3	0.1	>30	47.2	17.4	X	
172.5	172.5	<0.1	15-30	26.2	20.6	X	
172.5	172.5	<0.1	15-30	24.6	17.2	X	
172.9	172.9	<0.1	15-30	23.8	18.2	X	
172.9	172.9	<0.1	>30	31.0	15.8	X	
173.6	173.7	0.1	>30	37.0	15.4	X	
174.4	174.5	0.1	15-30	26.9	15.2	X	
174.6	174.6	<0.1	15-30	18.9	16.2	X	
174.7	174.7	<0.1	15-30	22.8	17.8	X	
175.7	175.8	0.1	>30	51.7	18.2	X	
175.9	176.1	0.2	>30	71.9	20.2	X	
176.4	176.5	0.1	>30	40.8	16.1	X	
176.6	176.6	<0.1	15-30	23.6	17.2	X	
176.6	176.7	0.1	>30	57.0	22.9	X	
177.7	177.9	0.2	>30	43.9	15.2	X	
178.2	178.2	<0.1	15-30	27.2	15.3	X	
178.3	178.3	<0.1	>30	71.0	25.0	X	
178.9	178.9	0.1	>30	45.4	19.6	X	
178.9	179.0	0.1	>30	37.2	15.7	X	
179.1	179.1	<0.1	15-30	20.8	15.1	X	
179.7	179.7	<0.1	15-30	18.5	16.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
179.9	179.9	<0.1	15-30	18.9	16.0	X	
179.9	180.0	<0.1	15-30	28.4	15.3	X	
180.1	180.2	0.2	>30	49.1	15.6	X	
180.3	180.4	0.1	>30	43.5	18.6	X	
180.5	180.7	0.2	>30	35.4	15.2	X	
180.9	181.0	0.1	>30	38.4	17.2	X	
181.0	181.1	<0.1	15-30	19.2	15.4	X	
181.3	181.4	0.1	>30	32.0	15.5	X	
181.7	181.8	0.1	15-30	21.9	16.0		X
181.8	181.9	<0.1	>30	42.0	15.2	X	
181.9	182.1	0.2	>30	59.7	16.5	X	
182.5	182.6	0.1	>30	49.8	15.8	X	
182.7	182.7	<0.1	15-30	16.9	15.1	X	
183.0	183.2	0.1	>30	34.7	15.7	X	
183.4	183.4	<0.1	15-30	22.2	17.3	X	
183.4	183.6	0.2	>30	37.2	16.1	X	
183.7	183.7	<0.1	>30	35.0	17.3	X	
183.7	183.8	<0.1	15-30	18.8	16.1	X	
183.9	183.9	0.1	>30	41.0	16.6	X	
183.9	184.0	0.1	>30	38.9	21.3	X	
184.1	184.1	<0.1	15-30	23.3	17.4	X	
184.3	184.4	0.1	>30	37.5	19.2	X	
184.5	184.6	<0.1	15-30	29.8	19.7	X	
184.6	184.6	<0.1	>30	54.0	32.0	X	
184.7	184.8	0.1	>30	35.9	26.7	X	
184.8	184.9	0.1	>30	54.2	17.2	X	
185.1	185.1	0.1	15-30	30.0	17.7	X	
185.2	185.4	0.2	>30	43.3	16.9	X	
185.4	185.4	<0.1	>30	37.3	22.1	X	
186.6	186.7	0.1	>30	62.0	23.2	X	
186.7	186.8	0.1	>30	61.2	16.0	X	
187.0	187.1	<0.1	15-30	25.3	16.2	X	
187.8	187.8	<0.1	15-30	16.9	15.4	X	
187.8	187.9	0.1	>30	31.6	16.0	X	
187.9	188.0	<0.1	>30	61.5	36.1	X	
188.0	188.0	<0.1	15-30	26.9	16.8	X	
188.1	188.1	<0.1	15-30	20.2	16.4	X	
188.2	188.3	0.1	>30	50.2	17.0	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
188.3	188.3	<0.1	>30	37.0	16.0	X	
188.5	188.6	0.1	>30	32.9	15.5	X	
188.6	188.8	0.2	>30	43.6	15.1	X	
189.1	189.2	0.1	>30	46.0	15.7	X	
189.3	189.4	<0.1	15-30	18.9	16.3	X	
189.4	189.4	<0.1	15-30	21.1	15.6	X	
189.7	189.7	<0.1	15-30	27.5	16.0	X	
189.8	189.8	<0.1	15-30	25.3	18.6	X	
189.8	189.9	0.1	>30	37.2	20.3	X	
190.0	190.1	0.1	>30	32.5	15.1	X	
190.2	190.2	<0.1	15-30	25.4	19.3	X	
190.2	190.3	<0.1	15-30	21.6	18.9	X	
190.3	190.4	0.1	>30	35.6	20.7	X	
190.4	190.4	<0.1	>30	37.1	22.4	X	
190.4	190.5	0.1	>30	31.1	18.7	X	
190.6	190.7	0.1	>30	47.6	15.8	X	
190.7	190.7	0.1	>30	42.7	20.8	X	
190.7	190.8	<0.1	15-30	27.2	21.9	X	
190.8	190.9	<0.1	15-30	17.3	15.4	X	
191.1	191.2	0.1	>30	39.9	15.8	X	
191.3	191.5	0.2	>30	55.3	15.9	X	
191.8	191.8	<0.1	15-30	18.8	15.4	X	
191.9	192.0	<0.1	>30	34.8	18.1	X	
192.3	192.4	<0.1	15-30	19.2	15.1	X	
192.6	192.6	<0.1	>30	34.7	21.3	X	
192.8	192.8	<0.1	>30	47.3	18.7	X	
192.9	193.0	<0.1	15-30	29.3	16.1	X	
193.1	193.1	<0.1	15-30	18.2	15.1	X	
193.3	193.3	0.1	15-30	27.7	16.6	X	
193.4	193.6	0.2	>30	34.8	19.7	X	
193.6	193.7	0.1	>30	55.1	15.6	X	
193.7	193.7	<0.1	15-30	19.2	15.5	X	
193.8	193.8	<0.1	15-30	25.6	21.2	X	
193.9	193.9	<0.1	15-30	18.5	15.2	X	
193.9	193.9	<0.1	15-30	20.9	17.9	X	
194.4	194.5	<0.1	15-30	20.8	15.3	X	
194.6	194.6	<0.1	15-30	29.1	19.3	X	
194.7	194.7	<0.1	>30	31.3	15.6	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
194.8	195.0	0.3	>30	37.8	17.8	X	
195.1	195.4	0.3	>30	58.8	17.4	X	
195.5	195.7	0.2	>30	49.3	15.6	X	
195.7	195.8	<0.1	>30	31.7	15.6	X	
195.8	195.9	<0.1	>30	36.9	16.9	X	
196.0	196.0	<0.1	15-30	21.2	15.3	X	
196.0	196.1	0.1	>30	39.9	16.5	X	
196.3	196.3	<0.1	>30	38.9	18.4	X	
196.6	196.6	<0.1	15-30	25.4	17.4	X	
196.6	196.6	<0.1	>30	31.7	16.1	X	
196.9	197.2	0.2	>30	51.1	15.7	X	
197.2	197.5	0.3	>30	84.4	15.6	X	
197.7	197.7	<0.1	15-30	18.9	16.5	X	
197.8	197.8	0.1	15-30	21.2	15.3	X	
197.9	197.9	<0.1	>30	60.5	15.8	X	
198.0	198.0	<0.1	>30	57.9	20.6	X	
198.0	198.0	0.1	>30	43.2	23.6	X	
198.1	198.1	<0.1	15-30	29.4	22.7	X	
198.1	198.1	<0.1	15-30	24.8	22.9		X
198.1	198.2	<0.1	15-30	25.3	22.9	X	
198.2	198.3	<0.1	15-30	27.7	18.9	X	
198.3	198.5	0.1	>30	31.0	19.3	X	
198.7	198.7	<0.1	>30	30.8	18.7	X	
198.9	199.1	0.3	>30	38.3	15.6	X	
199.1	199.2	<0.1	>30	39.6	23.1	X	
199.3	199.3	<0.1	>30	58.0	15.3	X	
199.3	199.3	<0.1	>30	44.4	22.1	X	
199.7	199.9	0.2	>30	47.9	19.0	X	
200.1	200.1	<0.1	15-30	27.0	16.4	X	
200.1	200.3	0.1	>30	35.8	15.3	X	
200.3	200.3	<0.1	15-30	25.3	17.6	X	
200.7	200.7	0.1	15-30	25.4	15.1	X	
200.8	200.8	<0.1	15-30	20.1	17.4	X	
200.9	201.0	0.1	>30	36.4	18.8	X	
201.1	201.1	<0.1	>30	43.5	18.8	X	
201.2	201.2	<0.1	15-30	23.4	15.1	X	
201.4	201.5	0.1	>30	52.8	18.2	X	
201.6	201.7	<0.1	15-30	18.3	15.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
201.7	201.8	0.1	>30	40.0	20.6	X	
201.8	201.8	<0.1	15-30	17.5	15.7	X	
202.0	202.0	0.1	>30	-36.7	18.6	X	
202.1	202.1	0.1	15-30	28.5	15.6	X	
202.4	202.5	0.1	>30	46.7	20.3	X	
202.6	202.6	0.1	>30	37.7	16.5	X	
202.8	202.8	<0.1	>30	35.1	22.6	X	
202.9	202.9	<0.1	>30	30.2	23.3	X	
203.0	203.1	<0.1	15-30	22.6	16.4	X	
203.1	203.2	<0.1	>30	48.2	30.3	X	
203.2	203.2	<0.1	15-30	24.7	17.1	X	
203.4	203.8	0.4	>30	50.3	15.5	X	
203.5	203.7	0.2	>30	45.5	19.9		X
203.9	204.0	0.1	>30	45.4	22.1	X	
204.1	204.2	0.1	>30	48.1	18.6	X	
204.3	204.4	0.1	>30	41.7	17.0	X	
204.6	204.8	0.2	>30	37.2	22.4	X	
204.8	205.0	0.2	>30	45.7	19.2	X	
205.0	205.0	<0.1	>30	44.6	22.2	X	
205.3	205.6	0.2	>30	47.6	15.7	X	
205.7	205.7	<0.1	15-30	20.5	15.2	X	
205.8	205.8	<0.1	15-30	26.4	16.6	X	
205.9	205.9	<0.1	15-30	18.6	15.3	X	
206.1	206.1	<0.1	15-30	24.9	17.3	X	
206.3	206.4	0.1	>30	37.1	18.6	X	
206.5	206.5	<0.1	15-30	25.5	19.1	X	
206.7	206.7	<0.1	15-30	22.7	15.9	X	
206.7	206.8	<0.1	>30	30.3	15.3	X	
206.8	206.9	0.1	>30	51.1	15.8	X	
207.1	207.3	0.2	>30	59.1	18.5	X	
207.3	207.4	<0.1	>30	32.8	20.1	X	
207.5	207.6	<0.1	15-30	22.2	16.0	X	
207.6	207.7	0.1	15-30	27.0	17.0	X	
207.7	207.8	<0.1	15-30	23.3	17.1	X	
207.8	207.9	0.1	>30	47.8	28.2	X	
207.9	208.0	0.1	>30	58.6	15.5	X	
208.2	208.2	0.1	>30	43.8	18.0	X	
208.3	208.4	0.1	>30	39.0	15.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
208.4	208.5	0.1	>30	31.4	18.5	X	
208.7	208.7	<0.1	15-30	26.3	19.1	X	
208.7	208.8	<0.1	15-30	24.9	15.8	X	
208.8	208.9	0.1	15-30	26.2	20.0	X	
208.9	209.0	<0.1	>30	32.5	17.8	X	
209.0	209.0	<0.1	15-30	23.9	15.8	X	
209.1	209.2	0.1	15-30	21.7	16.0	X	
209.4	209.5	0.1	>30	32.0	18.6	X	
209.7	209.9	0.2	>30	54.9	15.5	X	
209.9	209.9	<0.1	>30	40.1	20.5	X	
210.1	210.2	0.1	15-30	27.1	18.7	X	
210.3	210.4	0.2	15-30	23.6	14.9		X
210.3	210.3	<0.1	15-30	26.9	16.9	X	
210.4	210.4	<0.1	15-30	18.7	17.3	X	
210.4	210.5	0.1	>30	40.8	15.0	X	
210.7	210.7	<0.1	15-30	25.6	17.7	X	
210.7	210.8	<0.1	15-30	22.2	16.3	X	
211.2	211.3	0.1	15-30	29.7	15.5	X	
211.4	211.5	0.1	>30	49.1	16.0	X	
211.5	211.5	<0.1	15-30	24.3	16.6	X	
211.6	211.6	0.1	>30	54.5	22.3	X	
211.7	211.8	0.2	>30	54.0	17.5	X	
212.2	212.2	<0.1	>30	53.8	22.0	X	
212.3	212.4	0.1	>30	58.7	16.1	X	
212.4	212.4	<0.1	>30	34.4	19.2	X	
212.6	212.7	<0.1	15-30	27.1	16.9	X	
212.8	212.8	<0.1	15-30	17.5	15.2	X	
212.9	213.0	0.1	>30	37.0	15.6	X	
213.1	213.1	<0.1	15-30	28.4	15.3	X	
213.3	213.5	0.2	15-30	29.1	15.0	X	
213.5	213.5	<0.1	15-30	29.9	17.6	X	
213.6	213.6	<0.1	>30	30.6	15.7	X	
213.7	213.8	0.1	>30	56.4	22.1	X	
213.8	213.9	<0.1	>30	34.2	19.1	X	
214.2	214.2	<0.1	>30	43.5	27.0	X	
214.4	214.4	<0.1	>30	33.8	15.3	X	
214.5	214.6	0.1	>30	31.4	16.3	X	
214.8	214.9	0.1	>30	51.7	15.6	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
215.3	215.4	0.1	15-30	27.8	17.3	X	
215.5	215.5	<0.1	>30	35.5	17.3	X	
215.9	215.9	<0.1	15-30	23.0	16.0	X	
216.0	216.1	0.1	15-30	29.2	18.5	X	
216.2	216.2	<0.1	>30	45.3	17.0	X	
216.5	216.5	<0.1	15-30	20.8	16.7	X	
216.7	216.7	0.1	>30	38.8	18.9	X	
216.8	216.9	0.1	>30	46.5	15.2	X	
216.9	216.9	<0.1	15-30	27.6	18.7	X	
217.0	217.2	0.2	>30	65.0	17.4	X	
217.2	217.2	0.1	>30	62.4	24.2	X	
217.3	217.3	<0.1	15-30	17.2	16.1	X	
217.3	217.3	0.1	>30	49.2	24.4	X	
217.4	217.5	0.1	>30	44.6	20.2	X	
217.5	217.6	0.1	>30	37.3	20.7	X	
217.6	217.6	<0.1	>30	34.7	18.1	X	
217.6	217.8	0.1	>30	40.8	16.6	X	
217.9	217.9	<0.1	15-30	17.1	15.0	X	
218.1	218.1	<0.1	>30	30.5	15.3	X	
218.5	218.5	<0.1	15-30	24.5	15.1	X	
218.7	218.7	<0.1	>30	40.0	30.3	X	
218.8	218.9	<0.1	15-30	22.0	16.5	X	
219.0	219.0	0.1	15-30	21.6	16.5	X	
219.1	219.4	0.3	>30	44.5	15.7	X	
219.5	219.6	0.2	>30	32.0	19.4	X	
219.9	220.0	0.1	>30	41.5	18.0	X	
220.1	220.1	<0.1	>30	65.6	15.1	X	
220.3	220.4	<0.1	15-30	27.4	18.5	X	
220.5	220.5	<0.1	15-30	30.0	18.8	X	
220.6	220.6	<0.1	15-30	22.6	15.4	X	
220.6	220.7	<0.1	15-30	29.6	15.4	X	
220.7	220.8	0.1	15-30	23.1	5.8		X
220.7	220.7	<0.1	15-30	20.4	15.4	X	
220.8	220.8	<0.1	15-30	29.1	16.6	X	
220.8	220.8	<0.1	>30	34.3	21.0	X	
220.9	221.0	<0.1	15-30	24.7	16.9	X	
221.7	221.8	0.1	15-30	15.0	4.5		X
222.0	222.0	<0.1	15-30	20.2	15.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
222.2	222.2	<0.1	15-30	17.5	15.9	X	
222.2	222.2	<0.1	15-30	25.1	18.0	X	
222.4	222.5	0.1	>30	38.9	16.2	X	
222.5	222.5	<0.1	15-30	24.5	19.4	X	
222.6	222.6	<0.1	15-30	19.8	15.8	X	
222.8	222.8	<0.1	15-30	23.3	16.0	X	
222.9	222.9	<0.1	15-30	20.7	16.5	X	
223.0	223.0	<0.1	15-30	19.4	15.2	X	
223.1	223.1	<0.1	15-30	19.2	16.5	X	
223.2	223.3	0.1	15-30	20.4	15.0	X	
223.5	223.5	<0.1	15-30	27.1	15.8	X	
223.6	223.9	0.2	>30	74.8	15.5	X	
224.0	224.3	0.3	>30	66.3	17.3	X	
224.4	224.6	0.2	15-30	29.2	15.7	X	
224.6	224.7	<0.1	15-30	24.8	18.5	X	
224.9	224.9	<0.1	15-30	24.0	16.8	X	
224.9	225.0	<0.1	>30	39.7	21.9	X	
225.2	225.2	<0.1	>30	44.1	16.9	X	
225.8	225.8	<0.1	>30	40.8	21.5	X	
225.9	225.9	<0.1	>30	42.1	20.3	X	
226.0	226.1	0.1	>30	65.3	18.1	X	
226.1	226.2	0.1	>30	68.4	45.8	X	
226.2	226.2	<0.1	>30	77.9	20.3	X	
226.2	226.3	<0.1	>30	81.5	21.4	X	
226.3	226.3	<0.1	15-30	17.7	16.1	X	
226.3	226.6	0.3	>30	47.6	17.6	X	
226.7	226.8	0.1	>30	37.1	17.3	X	
226.8	226.9	0.2	>30	42.6	19.9	X	
227.0	227.0	0.1	>30	44.8	18.4	X	
227.1	227.1	<0.1	15-30	25.4	18.1	X	
227.2	227.2	0.1	>30	36.7	17.1	X	
227.4	227.5	<0.1	>30	35.0	17.2	X	
227.6	227.6	<0.1	>30	44.0	16.5	X	
228.1	228.2	0.1	15-30	20.0	16.5	X	
228.3	228.4	<0.1	15-30	20.8	16.7	X	
228.4	228.5	<0.1	>30	38.0	19.1	X	
228.5	228.6	0.1	15-30	29.0	19.9	X	
228.6	228.7	<0.1	>30	41.4	15.2	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
229.4	229.5	0.1	>30	40.8	23.4	X	
229.5	229.6	<0.1	>30	79.7	46.6	X	
229.6	229.8	0.2	>30	67.0	22.5	X	
229.9	230.0	0.1	>30	34.9	20.1	X	
230.0	230.2	0.1	>30	34.6	15.4	X	
230.3	230.5	0.2	>30	45.2	15.4	X	
231.0	231.0	0.1	15-30	27.2	15.1	X	
231.1	231.9	0.7	>30	35.8	17.9	X	
231.9	232.0	0.1	>30	36.0	16.6	X	
232.1	232.1	<0.1	15-30	23.5	15.3	X	
232.2	232.3	0.1	>30	32.0	19.7	X	
232.4	232.4	<0.1	>30	31.1	20.7	X	
232.4	232.5	<0.1	15-30	29.6	19.4	X	
232.5	232.6	0.1	>30	42.0	15.9	X	
232.6	232.6	<0.1	>30	48.5	19.7	X	
232.7	232.7	<0.1	>30	48.4	35.3	X	
232.7	232.7	<0.1	>30	40.9	22.6	X	
232.8	232.8	<0.1	15-30	24.1	18.5	X	
232.8	232.8	<0.1	>30	36.3	19.2	X	
232.9	232.9	<0.1	15-30	27.2	16.6	X	
233.3	233.3	<0.1	15-30	21.7	18.2	X	
233.5	233.6	0.1	>30	54.7	15.2	X	
233.9	233.9	<0.1	15-30	17.4	15.3	X	
234.1	234.2	0.1	>30	57.2	16.4	X	
234.3	234.3	<0.1	>30	48.8	23.9	X	
234.3	234.5	0.2	15-30	24.4	16.4		X
234.4	234.4	0.1	>30	53.4	28.5	X	
234.5	234.7	0.2	>30	45.1	15.8	X	
234.7	234.7	0.1	>30	60.2	22.8	X	
234.8	235.0	0.1	>30	64.9	16.7	X	
235.0	235.1	0.1	>30	52.8	28.2	X	
235.1	235.2	0.1	>30	65.2	32.4	X	
235.2	235.3	0.1	>30	31.7	15.2	X	
235.3	235.3	<0.1	>30	47.5	25.9	X	
235.4	235.4	<0.1	15-30	23.2	16.9	X	
235.4	235.5	0.1	>30	45.4	21.9	X	
235.6	235.7	0.1	>30	53.7	18.5	X	
235.7	235.8	<0.1	>30	32.4	19.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
235.8	235.9	0.1	>30	52.6	22.4	X	
236.0	236.0	<0.1	>30	34.8	25.9	X	
236.1	236.6	0.5	>30	76.4	15.4	X	
236.7	236.7	<0.1	>30	47.4	16.7	X	
236.8	236.8	<0.1	15-30	16.3	15.2	X	
236.8	236.8	<0.1	>30	69.8	17.3	X	
237.1	237.2	0.1	>30	40.7	20.3	X	
237.2	237.3	<0.1	15-30	20.9	15.4	X	
237.3	237.3	<0.1	>30	31.4	22.8	X	
237.3	237.7	0.3	>30	58.8	16.7	X	
237.7	238.2	0.5	>30	70.2	16.6	X	
238.3	238.5	0.2	>30	50.8	15.7	X	
238.6	238.6	<0.1	>30	46.4	25.3	X	
238.6	238.7	<0.1	15-30	27.0	20.4	X	
238.7	238.8	0.1	>30	33.1	17.9	X	
238.8	238.9	0.1	>30	60.5	15.9	X	
239.1	239.2	0.1	>30	31.8	15.4	X	
239.2	239.4	0.1	>30	60.8	18.5	X	
239.4	239.5	<0.1	>30	33.2	18.3	X	
239.7	239.7	<0.1	>30	36.8	15.8	X	
239.7	239.8	0.1	>30	33.7	19.9	X	
239.8	239.9	<0.1	15-30	19.8	17.0	X	
239.9	239.9	0.1	>30	33.2	16.9	X	
240.0	240.1	0.1	15-30	29.1	17.7	X	
240.2	240.2	<0.1	15-30	18.8	17.2	X	
240.6	240.6	<0.1	>30	31.2	17.0	X	
240.7	240.8	0.1	>30	40.8	16.5	X	
240.8	240.8	<0.1	15-30	27.7	19.1	X	
240.9	241.0	0.1	>30	42.0	18.4	X	
242.2	242.3	0.1	>30	39.7	15.4	X	
242.3	242.5	0.2	>30	38.5	22.6		X
242.6	242.6	<0.1	>30	31.4	25.8	X	
242.7	242.7	<0.1	15-30	27.2	15.6	X	
242.8	242.9	0.1	>30	39.3	15.5	X	
243.0	243.0	<0.1	>30	36.0	16.0	X	
243.1	243.1	0.1	>30	34.1	16.0	X	
243.2	243.2	<0.1	15-30	22.6	16.5	X	
243.3	243.3	<0.1	>30	32.8	15.4	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
243.4	243.5	0.1	>30	34.5	15.6	X	
243.5	243.6	0.1	>30	30.7	18.9	X	
244.0	244.0	<0.1	15-30	24.8	15.1	X	
244.5	244.5	<0.1	>30	53.5	22.1	X	
244.5	244.5	<0.1	>30	39.6	21.4	X	
244.6	244.7	<0.1	15-30	17.0	15.9	X	
244.7	244.7	<0.1	15-30	25.6	16.2	X	
244.8	244.8	<0.1	>30	51.9	30.6	X	
244.8	244.8	<0.1	>30	33.6	24.8	X	
245.1	245.1	0.1	>30	57.9	17.8	X	
245.3	245.5	0.3	>30	48.4	15.6	X	
245.6	245.6	<0.1	>30	39.1	18.4	X	
245.6	245.8	0.1	>30	37.3	15.9	X	
245.8	245.8	<0.1	15-30	26.1	16.2	X	
245.9	246.0	0.1	>30	44.5	18.4	X	
246.0	246.1	0.1	>30	39.8	18.4	X	
246.2	246.2	<0.1	>30	33.6	17.9	X	
246.2	246.6	0.4	>30	71.6	17.6	X	
246.7	246.7	0.1	>30	31.5	15.4	X	
247.4	247.6	0.3	>30	72.1	19.1	X	
247.7	247.8	0.1	>30	47.0	23.1	X	
247.9	247.9	0.1	15-30	27.7	18.9	X	
248.0	248.0	<0.1	15-30	21.3	15.4	X	
248.2	248.2	<0.1	15-30	20.9	15.9	X	
248.3	248.3	0.1	>30	31.0	17.1	X	
248.4	248.5	0.2	>30	50.1	16.7	X	
248.6	248.7	0.1	>30	44.1	15.7	X	
248.7	248.8	0.1	15-30	29.9	17.5	X	
248.9	248.9	<0.1	15-30	21.7	15.5	X	
249.3	249.4	0.1	>30	30.4	16.4	X	
249.6	249.6	0.1	>30	40.3	15.6	X	
249.6	249.7	<0.1	>30	61.4	25.9	X	
249.7	249.7	<0.1	15-30	28.1	22.9	X	
249.7	249.7	<0.1	>30	32.4	24.0	X	
249.7	249.8	0.1	>30	48.0	15.6	X	
249.9	249.9	<0.1	>30	57.0	24.7	X	
249.9	250.0	<0.1	15-30	26.3	16.5	X	
250.0	250.0	<0.1	>30	49.3	16.9	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
250.0	250.1	0.1	15-30	20.2	15.8	X	
250.3	250.3	<0.1	>30	40.5	17.5	X	
250.3	250.3	<0.1	>30	30.3	21.4	X	
250.3	250.4	<0.1	>30	30.9	17.6	X	
250.4	250.5	0.1	>30	36.7	18.1	X	
250.5	250.6	0.1	15-30	26.0	17.7	X	
251.1	251.1	<0.1	15-30	23.1	15.8	X	
251.2	251.3	0.1	>30	40.5	15.8	X	
251.3	251.4	<0.1	>30	44.2	22.4	X	
251.5	251.5	<0.1	15-30	25.3	16.6	X	
251.6	251.7	0.1	>30	41.0	19.8	X	
251.7	251.8	0.1	>30	37.0	18.6	X	
252.2	252.2	0.1	15-30	24.9	15.3	X	
252.3	252.4	<0.1	15-30	20.9	15.9	X	
252.6	252.7	0.1	15-30	26.6	16.9	X	
252.7	252.8	<0.1	>30	36.7	21.8	X	
252.9	252.9	<0.1	15-30	21.9	16.2	X	
252.9	253.0	0.1	15-30	25.5	16.0	X	
253.1	253.1	<0.1	15-30	24.2	15.7	X	
253.4	253.5	0.1	15-30	25.4	15.6	X	
253.5	253.6	<0.1	15-30	21.8	15.8	X	
253.6	253.7	<0.1	>30	31.7	22.3	X	
253.7	253.8	<0.1	15-30	24.1	17.8	X	
254.0	254.1	<0.1	15-30	22.3	15.2	X	
254.2	254.2	<0.1	>30	40.8	15.8	X	
254.4	254.5	0.1	15-30	19.6	17.5	X	
254.5	254.5	<0.1	15-30	27.9	21.6	X	
254.6	254.7	0.1	15-30	23.0	15.4	X	
254.9	254.9	<0.1	15-30	18.4	17.0	X	
255.1	255.1	<0.1	15-30	18.4	15.1	X	
255.3	255.3	<0.1	15-30	29.3	16.7	X	
255.4	255.4	<0.1	15-30	25.1	17.2	X	
255.5	255.5	0.1	>30	39.0	21.8	X	
256.9	257.0	0.1	15-30	23.9	15.2	X	
257.3	257.3	<0.1	15-30	24.2	15.7	X	
257.3	257.4	0.1	>30	46.9	17.0	X	
257.7	257.7	<0.1	>30	36.7	15.3	X	
258.1	258.2	<0.1	15-30	23.2	19.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
258.2	258.2	<0.1	15-30	19.7	16.3	X	
258.4	258.4	<0.1	>30	31.8	22.4	X	
258.4	258.5	<0.1	>30	47.1	22.0	X	
258.6	258.7	<0.1	15-30	29.6	16.1	X	
258.8	258.8	<0.1	>30	38.9	17.8	X	
258.8	258.8	<0.1	>30	40.2	15.8	X	
258.9	259.0	<0.1	15-30	25.9	22.0	X	
259.0	259.1	0.1	>30	43.0	20.3		X
259.3	259.3	<0.1	>30	36.3	18.6	X	
259.7	259.7	<0.1	15-30	18.1	15.5	X	
259.8	259.8	<0.1	15-30	17.5	15.4	X	
259.8	259.9	<0.1	15-30	18.8	16.3	X	
260.4	260.4	<0.1	>30	65.3	17.6	X	
260.7	260.7	<0.1	>30	51.9	20.1	X	
260.9	260.9	<0.1	15-30	28.4	22.6	X	
261.3	261.4	<0.1	15-30	25.3	18.5	X	
261.7	261.7	<0.1	15-30	19.7	16.7	X	
262.2	262.2	<0.1	>30	30.9	18.7	X	
263.2	263.2	<0.1	15-30	15.4	9.2		X
263.2	263.3	<0.1	>30	47.5	15.1	X	
263.3	263.4	<0.1	15-30	28.8	19.8	X	
263.9	263.9	<0.1	>30	44.1	22.0	X	
264.3	264.4	0.1	>30	31.4	17.2	X	
264.5	264.5	<0.1	15-30	28.3	15.4	X	
264.6	264.6	<0.1	15-30	29.0	19.3	X	
264.7	264.7	<0.1	15-30	22.5	17.0	X	
264.9	264.9	<0.1	15-30	21.9	18.1	X	
265.2	265.2	<0.1	>30	133.8	59.4	X	
265.3	265.3	<0.1	>30	176.0	31.7	X	
265.5	265.5	<0.1	15-30	25.6	16.7	X	
265.5	265.6	<0.1	15-30	27.2	17.1	X	
266.1	266.1	<0.1	15-30	29.5	15.6	X	
266.1	266.1	<0.1	>30	36.5	17.0	X	
266.2	266.3	<0.1	15-30	22.9	15.5	X	
266.3	266.3	<0.1	15-30	22.7	15.5	X	
266.5	266.6	0.1	>30	51.6	16.9	X	
266.9	267.0	0.1	>30	54.9	15.3	X	
267.4	267.4	<0.1	>30	32.1	20.1	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
267.6	267.8	0.2	15-30	18.5	13.6		X
268.8	268.8	<0.1	15-30	18.1	15.5	X	
270.2	270.2	<0.1	15-30	26.9	15.6	X	
270.3	270.4	<0.1	15-30	19.4	15.2	X	
271.0	271.0	<0.1	15-30	20.8	17.0	X	
271.3	271.4	<0.1	15-30	28.1	16.0	X	
271.4	271.4	<0.1	>30	45.6	19.4	X	
271.5	271.5	<0.1	15-30	28.3	21.2	X	
271.9	272.0	<0.1	15-30	20.8	15.3	X	
272.0	272.0	<0.1	15-30	20.4	17.0	X	
272.5	272.5	<0.1	15-30	22.2	15.2	X	
273.2	273.2	<0.1	15-30	26.4	19.4	X	
273.7	273.7	<0.1	15-30	16.7	15.6	X	
273.7	273.8	<0.1	15-30	22.9	16.7	X	
273.8	273.8	<0.1	15-30	19.4	16.8	X	
274.4	274.4	<0.1	15-30	21.7	15.3	X	
274.5	274.5	<0.1	15-30	26.0	19.0	X	
274.7	274.7	<0.1	15-30	20.2	16.7	X	
274.9	274.9	<0.1	15-30	29.3	15.1	X	
275.0	275.0	<0.1	15-30	29.8	17.8	X	
275.1	275.1	<0.1	15-30	26.4	15.6	X	
275.2	275.2	<0.1	15-30	24.9	15.6	X	
275.2	275.3	<0.1	15-30	28.4	18.7	X	
275.4	275.4	<0.1	>30	34.4	17.7	X	
275.5	275.5	<0.1	15-30	20.7	15.3	X	
275.7	275.7	<0.1	15-30	29.7	15.8	X	
275.8	275.8	<0.1	15-30	24.3	15.0	X	
275.9	275.9	<0.1	>30	37.8	17.8	X	
276.0	276.0	<0.1	>30	34.7	16.8	X	
276.3	276.4	<0.1	15-30	26.0	16.4	X	
276.4	276.4	<0.1	15-30	17.9	16.0	X	
276.6	276.7	<0.1	>30	33.6	22.6	X	
277.0	277.0	<0.1	15-30	23.9	18.6	X	
277.1	277.1	<0.1	15-30	22.6	16.0	X	
277.1	277.1	<0.1	>30	35.3	16.9	X	
277.2	277.2	<0.1	15-30	28.3	20.6	X	
277.2	277.2	<0.1	>30	30.4	16.6	X	
277.4	277.4	<0.1	15-30	24.2	15.0	X	

APPENDIX K (continued)

Steep Slopes along the Mountain Valley Project

MP Start	MP End	Miles Crossed	Grade (%)	Max Slope (%)	Min Slope (%)	Vertical Slope	Lateral Slope
277.8	277.8	<0.1	15-30	18.0	16.0	X	
278.4	278.4	<0.1	15-30	21.8	17.0	X	
278.6	278.6	0.1	>30	30.3	16.8	X	
278.7	278.7	<0.1	15-30	23.8	16.9	X	

APPENDIX L

Karst Features

APPENDIX L

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
172.4	None	Sinkhole	Yes	Sinkhole mapped approximately 300 feet to right (Southwest).	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Summers
172.5	None	Sinkhole	Yes	Sinkhole approximately 650 feet left (Northeast). Proposed MVP crosses surface drainage leading to sinkhole.	Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	See Notes 3,4 at bottom of this table.	Summers
172.8	Moderate	Sinkhole	Yes	Sinkhole approximately 400 feet right (Southwest). Proposed MVP crosses surface drainage leading to sinkhole.	Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	See Notes 3,4 at bottom of this table.	Summers
172.8	Moderate	Spring	Yes	Small spring approximately 260 feet right (west). Proposed MVP crosses surface drainage leading to sinkhole.	Construction run-off and fluid discharge may impact spring.	See Notes 2 at bottom of this table.	Summers
172.9	None	Sinkhole	Yes	Compound sinkhole approximately 500 feet right (southwest) of the proposed alignment.	Sinkhole is upstream of the proposed alignment.	See Notes 3,4 at bottom of this table.	Summers
173.1	Minor	Sinkhole	Yes	Sinkhole mapped by desktop review approximately 100 feet to left (east) of proposed MVP alignment. Proposed alignment crosses watershed associated with the sinkhole, and crosses a topographic drainage leading to the south.	Construction across or in near vicinity of sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trench location to right (west) as needed (1's to 10's of feet) to avoid direct encounter with sinkhole. Implement construction ESC to prevent run-off into the sinkhole. Ensure that construction ESC prevents run-off to south along topographic drainage.	Summers

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
190.9	None	Losing Stream, Insurgence	Yes	Below the pond there is an area where a very small stream sinks into the ground. Elevation is about 30 feet above creek base level.	Construction run-off and fluid discharge may impact sinking stream and groundwater.	See Note 3 at bottom of this table.	Monroe
191.1	None	Springs (2)	Yes	440 feet Left, and 105 feet SW of Access Road MVP-MO-230, is a small wet weather seep. 705 feet Left, and 370 feet SW of Access Road MVP-MO-230, is a spring.	n/a	n/a	Monroe
194.2	Minor	Sinkhole	No	Sinkhole mapped by desktop review approximately 100 feet to right (east) of the proposed alignment. Proposed alignment crosses watershed associated with the sinkhole. Other small sinkholes are located approximately 150 feet to the right (Northeast).	Construction across or in near vicinity of sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater. Sinkhole may have a hydraulic connection to near-by Bobcat Cave or Rich Creek Cave/Spring.	Current alignment as mapped will not directly encounter sinkhole. If needed, adjust construction trench in the field left (east) as needed to avoid direct encounter with sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s).	Monroe
194.4	None	Sinkhole	No	Sinkholes mapped by desktop review more than approximately 800 feet right (West) of alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Monroe

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
194.4	None	Sinkhole and Cave	No	Bobcat Cave, described as a small room located in a large sinkhole, location uncertain, to right (west). Mapped by desktop review.	Construction across or in near vicinity of an open throat sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater. Sinkhole may have a hydraulic connection to near-by Bobcat Cave or Rich Creek Cave/Spring.	Adjust construction trench location as needed based on field observations to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s).	Monroe
194.6	Moderate	Spring and Cave	No	Rich Creek Spring (headwaters of Rich Creek, water supply for Red Sulphur PSD and Town of Peterstown, WV), Rich Creek Cave, and Rich Creek Fish Hatchery were mapped approximately 1,500 feet right (west) of the proposed alignment. The proposed alignment is at a higher elevation than the spring which distances it from potential impact. However, the presence of sinking streams and open throat sinkholes could provide direct conduit to the subsurface flow. Rich Creek Spring is large, serves a fish hatchery, headwater of Rich Creek which is back up water supply for Peterstown.	The primary concern is potential impact on water resources. Construction and maintenance may impact Rich Creek Cave and Spring, and the downstream surface water body Rich Creek.	As noted earlier, do not discharge fluids to ground. Ensure construction ESC prevents migration of sediment and fluids from the construction footprint. Refer to Note 2 at end of this table for baseline water quality testing recommendations for Rich Creek and Red Sulphur PSD.	Monroe

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
194.5	Minor	Sinkhole	No	Open throat sinkhole located approximately 600 feet (right) west of the proposed alignment.	These sinkholes are upstream of the MVP alignment.	See Notes 2, 4,5 at bottom of this table.	Monroe
194.6	Minor	Sinkhole	No	Sinkhole located approximately 80 feet left (east) of the proposed alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observations to avoid direct encounter with sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s).	Monroe
194.6	Minor	Sinkhole	No	Several sinkholes mapped by desktop review approximately 300 feet to the right (west) of the proposed alignment.	These sinkholes are upstream of the MVP alignment.	See Notes 2, 4,5 at bottom of this table.	Monroe
199.3	None	Sinkhole	No	Sinkholes mapped greater than 1,000 feet left (Northeast) of alignment.	Construction run-off and fluid discharge may impact sinkholes.	See Notes 3,4 at bottom of this table.	Giles
199.9	None	Lhoist Cave	Yes	Lhoist Cave is located approximately 370 feet right (southwest) of the proposed alignment.	Construction run-off and fluid discharge may impact cave.	See Notes 3,4 at bottom of this table.	Giles
200.1	None	Several sinkholes	Yes	Several sinkholes mapped by desktop review to left (northeast) of proposed alignment from approximately 400 to 1,000 feet.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
200.5	None	Sinkhole complex	Yes	Sinkhole complex approximately 1,000 feet right (southwest) and on the other side of a topographic high from the proposed alignment. Spring and swallet associated with sinkhole.	Due to distance and intervening ridge no impact is anticipated.	See Notes 2, 4,5 at bottom of this table.	Giles
200.8	Moderate	Sinkholes	Yes	Sinkholes observed within 150 feet left and right of proposed MVP alignment. Current alignment would need to be adjusted to avoid sinkholes. Another cluster of sinkholes further to the right (southwest) prevents avoidance of sinkholes altogether.	Current alignment traverses between two (2) sinkholes. Construction across or in near vicinity of sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	If avoidance by minor adjustment of the construction trench is not feasible to avoid sinkhole, see notes at end of this table for sinkhole stabilization recommendation. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s).	Giles
200.9	Minor	Karst	Yes	Exposed bedrock, heavy benches, shallow to no overburden cover, very epi-karst like. Rainwater percolates into bedrock with little surface flow. This observation is characteristic of the relatively near vicinity of the proposed alignment and not limited to the specific mile post.	A thin overburden mantle to shallow bedrock presents risk for rapid infiltration of construction-related or operations-related fluid to the subsurface.	As noted, do not discharge fluids to ground. Ensure that construction ESC prevents migration of sediment and fluids from the construction footprint. See Note 2 at end of this table for baseline water quality testing plan.	Giles
201.1	Minor	Possible Cave	Yes	A small natural opening is within 50 feet left (northeast) of alignment.	Construction run-off and fluid discharge may impact cave (assuming it is a cave).	See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
201.2	None	Cave	Yes	Crooks Crevice, 50-foot pit along roadside approximately 800 feet right (southwest) of proposed alignment.	Construction run-off and fluid discharge may impact cave.	See Notes 3,4 at bottom of this table.	Giles
202.6	None	Note	Yes	No karst-related features were mapped by desktop review or identified through field confirmation from MP 201.5 to 202.6 (Sheet 11 of 37).	n/a	n/a	Giles
203.2	None	Spring	No	Little Stoney Spring is located approximately 1,000 feet right (west) of proposed MVP alignment.	Construction run-off and fluid discharge may impact Little Stoney Spring located topographically below the proposed alignment.	Ensure construction ESC measures are in-place particularly in drainage toward Little Stoney Spring. See Note 2 at bottom of this table.	Giles
203.9	Moderate	Cave	Yes	Cave (Williams Contact Shaft) entrance approximately140 feet right (west). In addition, a potential new cave called Mahaffey Trash Cave, a trash-filled entrance, was also observed approximately 800 feet right (west).	Construction across or in the near vicinity of a cave may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the cave. If needed, adjust construction trench in the field left (east) as required to avoid direct encounter with cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s).	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
204.1	Moderate	Cave	Yes	High Voltage Cave is located approximately 150 feet left (east), in APCO high voltage electric transmission easement clearing. Though survey flags were to the east of the electric line. The area particularly to the west of the electric line has large bedrock benches and pinnacles.	Construction across or in the near vicinity of a cave may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the cave. If needed, adjust construction trench in the field left (east) as required to avoid direct encounter with cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s).	Giles
204.2	None	Karst	Yes	Exposed bedrock, heavy benches, thin overburden mantle. This observation is characteristic of the relatively near vicinity of the proposed alignment and not limited to the specific mile post.	A thin overburden mantle to shallow bedrock presents risk for rapid infiltration of construction-related or operations-related fluid to the subsurface.	Ensure that construction ESC prevents migration of sediment and fluids from the construction footprint. Refer to Note 2 at end of this table for water resources for pre-construction baseline water quality monitoring.	Giles
204.4	None	Sinkhole	Yes	Shallow sinkhole approximately 250 feet left (northeast) of proposed alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
204.4	None	Sinkhole and cave	Yes	Sinkhole is approximately 150 feet left (northeast) of MVP alignment. Conklin Sink Cave entrance is approximately 440 feet left (east) of alignment. Proposed MVP alignment crosses watershed surface drainage to Conklin Sink Cave.	Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s) that lead northeast toward Conklin Sink Cave.	Giles
206.7	Minor	Swallet	No	Sinking stream dye traced to Doe Creek Spring on New River by VaDCR. 430 feet to right (west) of proposed alignment. No sink point was identified during field review (wet weather). Probably not an issue beyond standard E&S.	Construction run-off and fluid discharge may impact the swallet and surface drainage to the south-southwest.	Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off to the south-southwest, toward the swallet. See Note 2 at bottom of this table.	Giles
207.8	None	Sinkholes	Yes	Several sinkholes on east side of access road, approximately 1,000 feet right (southwest) of alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles
208.0	Minor	Swallet, Losing stream	Yes	Crossing a losing stream. Multiple stream sink points mapped by desktop review approximately 760 feet left (northeast) of proposed alignment.	Potential for numerous small near surface voids and conduits under the sinking stream. Construction run-off and fluid discharge may impact the swallet and surface drainage to the south-southwest.	Geophysics. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off to the south- southwest, toward the swallet.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
208.0	Minor	Sinkhole and Cave	Yes	Proposed MVP alignment is on edge of sinkhole, to left (northeast).	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
208.1	None	Cave	Yes	Pighole cave system located more than 1/4-mile left (northeast) of proposed alignment.	Proposed alignment was adjusted to avoid the cave system. No negative impacts anticipated at this time.	n/a	Giles
208.3	None	Cave	Yes	Echols Cave approximately 800 feet right (southwest) of alignment, and 150 feet above proposed access road.	Construction across or in the near vicinity of a cave may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s).	Giles
208.6	Moderate	Sinkhole	Yes	Proposed alignment crosses a shallow sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust alignment northerly to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
208.7	Minor	Sinkholes	Yes	Numerous sinkholes left and right of alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust alignment northerly to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
208.9	Moderate	Sinkhole	Yes	Proposed alignment crosses a shallow sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust alignment northerly to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
209.5	None	Sinkhole	Yes	Several sinkholes mapped by desktop review within 500 feet left (northeast) of proposed MVP alignment. The MVP alignment ROW does not cross the local sinkhole watersheds.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles
209.8	None	Caves, Spring, Well	Yes	Tawneys Cave and Spring at base of hill and road embankment. Two cave entrances approximately 800 feet to left (northeast) of alignment. Extent of Tawney's cave does not extend beneath the alignment.	MVP alignment adjustment to the southwest avoids impact on Tawney's cave and associated karst features.	See Notes 3,4 at bottom of this table.	Giles

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
210.4	None	Caves	Yes	Cave (Hog Hole No. 2). Reported as a small cave approximately 160 feet to right (southwest).	Construction across or in the near vicinity of a cave may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s).	Giles
211.7	None	Sinkhole	Yes	Sinkhole approximately 180 feet left (northeast) of alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles
212.8	None	Sinkholes	Yes	Several sinkholes between 50 and 150 feet left (northwest) of the proposed alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
213.0	Moderate	Spring	Yes	Proposed alignment cuts immediately above a large spring at the convergence of two hollows.	Construction activities may impact spring flow patterns and may encounter conduit flow channels immediately behind the spring..	Adjust alignment to the north, downstream side, between MP 212.9 and MP 213.2 to avoid the spring. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the surface drainage(s).	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
213.2	None	Sinkholes	Yes	Several sinkholes greater than 800 feet right (southeast) of the proposed alignment, but in vicinity of a proposed access road.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust road construction as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
213.5	None	Sinkholes	Yes	Two (2) sinkholes within 500 to 800 feet right (southwest) of the proposed alignment and near proposed access road.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
213.6	Moderate	Spring	Yes	Large spring located approximately 300 feet left (northwest) and downstream of the proposed alignment.	Construction run-off and fluid discharge may impact spring.	See Notes 2 at bottom of this table.	Giles
213.7	Minor	Sinkhole	Yes	Sinkhole containing debris approximately 400 feet left (northwest) of proposed alignment. Alignment crosses watershed to sinkhole at approximately MP 213.8	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles
213.7	Minor	Sinkhole	Yes	Sinkhole approximately 160 feet left (northwest) of proposed alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
213.7	Significant	Cave	Yes	Canoe Cave extends below alignment. The cave is approximately 1,000 feet in length. The cave entrance UTM coordinates are 547535, 4128962. The proposed alignment overlies the surface-projection of a portion of Canoe Cave. Very small sinkholes were observed at the ground surface during field confirmation of the cave location, suggesting that portion of the cave below the proposed alignment is relatively near the ground surface. Historic (1943) mapping of the cave indicated underground stream flow derived most likely from the northeast along the flank of the upland mountain ridge.	Construction across or in the near vicinity of a cave may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	Adjust construction activities as needed based on field observation, on the order of a few hundred feet to the south (right of the current mapped alignment) to avoid direct encounter with area overlying cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the cave and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles
213.8	Minor	Sinkhole	Yes	Sinkhole approximately 60 feet right (southeast) of the proposed alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
214.1	None	Several sinkholes	Yes	Sinkholes ranging from 400 to 1,000 feet left (northwest) of proposed alignment (and one possible sinkhole to right of alignment). Proposed alignment crosses watershed of the main sinkholes.	Construction run-off and fluid discharge may impact the sinkholes, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes. See Notes 3,4 at bottom of this table.	Giles
214.3	None	Sinkholes	Yes	Two sinkholes approximately 500 feet right (southeast) of proposed alignment.	Sinkholes are upstream of the proposed alignment. Nonetheless, construction run-off and fluid discharge may impact the sinkholes, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes. See Notes 3,4 at bottom of this table.	Giles
214.6	None	Sinkhole	Yes	Sinkoles approximately 300 feet left (northwest) of proposed alignment. Sinkhole is downstream of proposed alignment, which crosses the sinkhole watershed.	Construction run-off and fluid discharge may impact the sinkholes, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes. See Notes 3,4 at bottom of this table.	Giles

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
214.9	Minor	Cave, Stream insurgence	Yes	A possible cave with stream insurgence approximately 200 feet right (southeast) of the proposed alignment.	Proposed alignment crosses downstream of insurgence drainage, that appears to be associated with a possible small cave. This observation suggests that karst-related groundwater flow is relatively near the ground surface in the topographic drainage crossed by the alignment. Construction run-off and ground disturbance may impact the shallow groundwater system.	The proximity of the cave and insurgence within the topographic drainage crossed by the proposed alignment suggests that additional care and enhanced ESC should be implemented during construction activities. See Notes 3,4 at bottom of this table.	Giles
215.2	Minor	Cave, spring, stream insurgence and sinkholes	Yes	Jones Cave, a large spring, and sinkholes, one with a stream insurgence are 400 to 600 feet left (northwest) of the proposed alignment. The proposed alignment also crosses the watershed leading to the sinkholes and crosses the conveyance of a spring-fed stream where the spring is located upslope of the proposed alignment. A proposed access road is located near the sinkholes and Jones Cave.	Construction run-off and fluid discharge may impact the sinkholes, which may in turn lead to subsurface discharge to groundwater and/or the spring. Access road construction across or in the near vicinity of a cave or spring may lead to impacts on that natural resource, and long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact the cave, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes. The proposed access road construction alignment, as mapped, does not appear to directly encounter the cave. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles / Craig

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
215.6	Minor	Sinkholes	Yes	Two (2) sinkholes approximately 70 feet right (southeast) of the proposed alignment, and a historic report of a filled sinkhole approximately 300 feet left (northwest) of the proposed alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Giles / Craig
215.7	Minor	Sinkhole	Yes	Proposed alignment located along edge of a 1.2 Ac, 14 feet deep sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching northwest as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Craig
215.8	Moderate	Sinkholes	Yes	Proposed alignment located along edge of a sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching southeast as needed based on field observation (10's of feet) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Craig

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
215.8	None	Sinkholes	Yes	Sinkholes 150 to 400 feet left (northwest) of the proposed alignment.	Construction run-off and fluid discharge may impact the sinkholes, which may in turn lead to subsurface discharge to groundwater.	The proposed construction alignment, as mapped, does not appear to directly encounter the sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkholes. See Notes 3,4 at bottom of this table.	Craig
216.8	None	Sinkhole	Yes	A sinkhole is located approximately 300 feet left (north) of the proposed alignment. The alignment crosses the local watershed that leads to the sinkhole.	Construction across or in near vicinity of sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Implement construction ESC to prevent run-off into the sinkhole. Ensure that construction ESC prevents run-off to north along topographic drainage.	Craig
216.8	Moderate	Cave and stream insurgence sinkhole	Yes	Cave, stream insurgence within a sinkhole approximately 140 feet left (northeast), and about 40 feet down a very steep hill from the proposed alignment.	The proposed alignment proceeds up a ridge alongside the edge of the watershed for a stream that sinks into an open throat sinkhole at a potential cave entrance. This observation suggests the karst groundwater flow could be relatively near the ground surface in the immediate area. Construction run-off and ground disturbance may impact the shallow groundwater system and karst resources.	The proximity of the cave, stream insurgence, and groundwater flow patterns within the topographic drainage adjacent to the proposed alignment suggests that additional care and enhanced ESC should be implemented during construction activities. See Notes 3,4 at bottom of this table.	Craig

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
220.6	Minor	Contact - Pulaski Fault, begin dolomite. Begin Mount Tabor sinkhole plain	Yes	Approximate beginning of Mt Tabor sinkhole plain (MP 220.63 to 222.10). Approximate location of Pulaski Fault. Geology is poorly mapped in this area. This area is historically known to have extensive and well documented cave and karst development. Extensive sinkhole development and karst water flow eastward to TNC-DCR natural area preserve. A DCR dye trace study conducted in 2004 in sinkholes located in the vicinity of what is now MP 220.8 indicated that karst water flow from the sinkholes trended toward Slussers Chapel Cave and further on to Mill Creek Cave and spring. This area includes Fred Bulls Cave (MP 220.66) and several smaller cave features, sinkholes within the proposed alignment footprint, and many sinkholes and insurgences.	The proposed MVP pipeline encounters the Mount Table Sinkhole Plain as it progresses from MP 220.63. Karst features including sinkholes, swallets and caves, are intensely and densely developed in this area. There is potential for negative impact on karst resources and water resources, as well as potential for ground instability risk to pipeline.	The density of karst features in this area (i.e., from MP 220.63 to 222.10) will likely require several minor adjustments during construction to avoid sinkholes, and also likely to require stabilization and mitigation efforts. Refer to Notes 2, 3 and 4 at end of this table.	Montgomery
220.7	Minor	Cave, sinkhole, and sinking stream insurgence	Yes	A sinking stream and related cave are located 800 feet to 1200 feet east of the alignment in a very large sinkhole. VaDCR dye trace 2004 shows flow to Slussers Chapel Cave, then to Mill Creek Cave and Spring.	See Concerns for MP 220.63.	See Recommendations for MP 220.63.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
221.0	Minor	Spring, cave, sinkhole and wet-weather insurgence	Yes	Spring at 650 feet left, very large sinkhole with stream insurgence and small cave at approximately 1,200 feet left (east) of the proposed alignment. VaDCR dye trace 2004 shows flow to Slussers Chapel Cave, then to Mill Creek Cave and Spring.	The proposed alignment crosses the surface drainage upstream of the sinkhole and related features. The source water of the spring is unknown. Construction run-off and ground disturbance may impact the shallow groundwater system and karst resources.	The spring, sinkhole, and insurgence being downstream of the proposed alignment and construction activities suggests that additional care and enhanced ESC should be implemented during construction activities. See Notes 3,4 at bottom of this table.	Montgomery
220.9	Minor	Coal Mines and wet weather insurgence	Yes	Area of historic coal mining, numerous surface pits, mounds, and one tunnel were observed. A collapse implies additional tunnels may be present. A wet weather insurgence about 250 feet left is probably sinking into abandoned mine workings. These features were misidentified by commenter to FERC as karst-related cave and sinkholes.	Ground stability related to historic, abandoned coal workings. Addressed elsewhere in non-karst module of Resource Reports.	Refer to non-karst module of Resource Report. These features are not considered a karst-related hazard.	Montgomery
221.0	Minor	Sinkhole	Yes	Crossing Pulaski Fault and start of dolomite.	Begin area of potential karstification.	Additional care and enhanced ESC should be implemented during construction activities is this area.	Montgomery
221.1	None	Sinkhole	Yes	Sinkhole karst window located more than 1/4-mile left (northeast) of proposed alignment.	Distance separating feature from proposed alignment reduces potential for impact to negligible.	n/a	Montgomery
221.1	Minor	Sinkhole	Yes	Numerous sinkholes are located in the vicinity of the proposed alignment.	See Concerns for MP 220.63.	See Recommendations for MP 220.63.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
221.3	None	Sinkhole	Yes	A sinkhole is located 70 feet right (west) of the proposed alignment.	See Concerns for MP 220.63.	See Recommendations for MP 220.63.	Montgomery
221.4	Minor	Sinkhole	Yes	A compound sinkhole is located immediately right (south) of the proposed alignment, with an open throat ~100 feet distant.	See Concerns for MP 220.63.	See Recommendations for MP 220.63.	Montgomery
221.8	Minor	Sinkhole	Yes	Proposed alignment located along edge of a sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation to avoid direct encounter with sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Montgomery
222.2	Moderate	Sinkholes	Yes	Multiple sinkholes in vicinity of proposed alignment. The proposed alignment is located along edge and between two sinkholes in particular.	Construction across sinkholes, or narrow ridge separating two sinkholes, may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust alignment as needed to avoid two prominent sinkholes, possibly southward by crossing under the electric line at MP 222.05 instead of MP 222.80, while maintaining parallel co-location. Ground stabilization and sinkhole mitigation is likely required. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
222.3	None	Contact - End Ellbrook dolomite. Approximate end of Mount Tabor Sinkhole Plain	Yes	Geologic contact, Elbrook - Conoccheague dolomite, approximate end of high density karst features found in the Mount Tabor Sinkhole Plain.	Dolomite continues, but karstification is much less dense.	n/a	Montgomery
222.9	None	Cave	No	A 90 foot deep vertical surface shaft, Zipper Pit, is located about 1600 feet left (north) of the alignment.	This cave illustrates the potential for deep voids intersecting the surface or near surface in the area.	n/a	Montgomery
222.9	Minor	Spring	Yes	A spring is located 325 feet right (south) of the alignment.	There is potential for impacts on water resources from construction.	See Note 2 at bottom of this table.	Montgomery
223.5	Moderate	Sinkholes	Yes	Large deep open throat sinkhole within 100 to 250 feet left (northeast) of MVP alignment. A second smaller open throat sinkhole is located about 200 feet left of MP 223.55.	Construction near a sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching to as needed to avoid direct encounter with sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Montgomery
223.5	Moderate	Wet weather spring	Yes	A wet weather spring is located in the proposed access road 570 feet right, south, and downhill of the MVP alignment.	Road construction over spring site could impact flow patterns.	Adjust road construction or location as needed to avoid direct encounter with spring. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into surface drainage(s).	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
224.3	None	Cave, Springs	Yes	Old Mill Cave and three springs, the resurgences from Dry Branch, ~7,200 feet northeast, are located approximately ~2,000 feet right (south) of MVP alignment. Va DCR dye trace studied show flow connection under the ridge that the alignment crosses.	There is potential for impacts on water resources from construction.	See Note 2 at bottom of this table.	Montgomery
224.5	Minor	Sinkhole	Yes	Sinkhole is located within 150 feet right (South) of proposed MVP alignment. Virginia DCR dye trace study indicated flow from Dry Branch passes under this ridge.	Construction run-off and fluid discharge may impact sinkhole and surface water (see note on dye trace study).	See Notes 3,4 at bottom of this table.	Montgomery
224.6	Moderate	Caves, Sinkholes	Yes	Two cave entrances within 160 feet of proposed alignment, Hancocks Blowhole Caves No 1 and No 2. Also, and several sinkholes located 200 to 250 feet right (southwest) of proposed MVP alignment. This is also in the vicinity of the south edge of the APCO high voltage power line easement. A small spring is located approximately 800 feet right (southwest) of the alignment, within a drainage leading from the sinkholes.	The proposed alignment is routed over and in the near vicinity of two caves. Impacts on cave resources are a concern regarding pipeline construction. Ground stability is a concern for pipeline integrity if the caves are extensive. A thin overburden mantle to shallow bedrock presents risk for rapid infiltration of construction-related or operations-related fluid to the subsurface.	Avoidance of these caves is recommended. (Flagged route was on northeast side of electric line, away from these features.) See notes 2, 3 and 4 at end of this table.	Montgomery
224.7	Minor	Sinkhole lineament	Yes	Several sinkholes were found in a linear distribution approximately 250 to 600 feet left (northeast) of MVP alignment.	This cluster of sinkholes may represent voids, a fracture, or zone of weakness in the bedrock. There is a possibility of unconsolidated bedrock along this lineament extended.	Refer to Karst Mitigation Plan in RR6 for more detailed recommendations for construction in this area. See Notes 3,4 at bottom of this table.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
224.9	None	Cave	Yes	Thompsons Cave mapped by desktop review, approximately 1,200 feet to right (south) of proposed alignment.	Construction run-off and fluid discharge may impact cave.	See Notes 3,4 at bottom of this table.	Montgomery
224.9	Minor	Possible cave	Yes	A possible cave entrance in a shallow sinkhole was located approximately 200 feet left (north) of proposed alignment.	Depending on actual route this feature may or may not be in the area of concern (the flagged route was easterly of the planning alignment).	See Notes 3,4 at bottom of this table.	Montgomery
224.9	Minor	Sinkhole	Yes	A sinkhole was observed approximately 60 feet to the right (south) of the proposed alignment.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed to avoid direct encounter with sinkhole. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s).	Montgomery
225.0	Moderate	Spring	Yes	Farm spring observed within 50 feet of proposed alignment. The spring is at the contact of a band of shale; a line of sinkholes is formed along this band to the northeast. Water likely flows along this contact.	Alignment and route flagging appears close enough to the spring that trenching could potentially cut the flow path immediately behind the spring disrupting water flow. Construction run-off and fluid discharge may impact the farm spring.	Adjust left to avoid impact. Refer to Note 2 at end of this table regarding baseline water quality testing recommendations for the farm spring. Refer to Karst Mitigation Plan in RR6 for more detailed recommendations for construction in this area.	Montgomery
225.0	Minor	Sinkhole lineament	Yes	Several sinkholes are mapped by desktop review within a linear cluster roughly perpendicular to the proposed MVP pipeline, ranging from approximately 200 to 2,000 feet to left (northeast).	This lineament may represent a fracture or zone of weakness in the bedrock. There is a possibility of unconsolidated bedrock along this lineament extended.	See Notes 3,4 at bottom of this table.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
225.5	None	Spring, Cave	Yes	Johnsons spring, water probably from the hollow to (northeast). Johnsons Cave carries a small stream and is approximately 400 feet right (southwest) of proposed MVP alignment. Several sinkholes located near Johnsons Cave and spring.	There is potential for impacts on cave stream, and water resources from construction.	See Notes 2, 3, 5 at bottom of this table.	Montgomery
225.9	Minor	Sinkhole lineament	Yes	Sinkholes observed right (west).	This lineament may represent a fracture or zone of weakness in the bedrock. There is a possibility of unconsolidated bedrock along this lineament extended.	See Notes 3,4 at bottom of this table.	Montgomery
225.9	Minor	Losing Stream, Insurgence	Yes	Losing stream and wet weather insurgence was observed approximately 100 feet right of proposed MVP alignment. May be associated with sinkhole lineament along ridge. Very likely the source of the water flowing through Johnsons Cave and spring.	Potential unconsolidated bedrock, small voids along stream way. Pipeline construction may impact subsurface water resources in this losing stream environment.	Ensure construction ESC retains fluids and sediment in the construction footprint. Refer to Note 2 at end of this table.	Montgomery
226.0	Minor	Stream insurgence	Yes	Stream insurgence was observed approximately 30 feet left of farm road / proposed access road. May be associated with sinkhole lineament along ridge. Very likely contributes to the water flowing through Johnsons Cave and spring.	There is potential for impacts on subsurface stream, and water resources from access road use or improvements.	Ensure construction ESC retains fluids and sediment in the construction footprint. Refer to Note 2 at end of this table.	Montgomery

APPENDIX L (continued)

Karst Features Identified Within 0.25 mile of the Mountain Valley Project

MP	Level of Concern	Feature Identification a/	Field Confirmed?	Description of Feature	Potential Hazard and Concerns	Construction Recommendations a/	County
233.1	Minor	Sinkhole	Yes	Proposed alignment along steep edge of a 1.0 Ac., 34 foot deep sinkhole.	Construction across sinkhole may lead to long-term differential settlement and pipeline instability. Construction run-off and fluid discharge may impact sinkhole, which may in turn lead to subsurface discharge to groundwater.	Adjust construction trenching as needed based on field observation (10's of feet right, or to other side) to avoid direct encounter with sinkholes. Ensure construction ESC will retain fluid and sediment within construction footprint, and prevent run-off into the sinkhole and surface drainage(s). See Notes 3,4 at bottom of this table.	Montgomery
233.4	None	Sinkhole	Yes	Several sinkholes approximately 400 feet left (east) of in this portion of the proposed alignment.	Construction run-off and fluid discharge may impact sinkhole.	See Notes 3,4 at bottom of this table.	Montgomery

Source: Draper Aden Associates, 2015a

a/ (1)- See Karst Mitigation Plan for recommendations if a previously unidentified karst feature is encountered during construction.

(2) - See Karst Area Baseline Water Resources Testing Plan for a detailed catalogue and recommendations regarding water resources and water supplies encountered by the proposed alignment within karst terrain.

(3) - All recommendations include the overall statements: 1) do not discharge fluids to the ground and particularly not into a sinkhole or cave or drainage leading thereto; 2) implement Project Erosion-Sediment Control in accordance with all local and state regulations and ordinances.

(4) - Where sinkholes are mapped or observed within the construction right-of-way, the recommendation is made to adjust the trench footprint as needed to avoid the sinkhole. If avoidance is not possible, refer to Karst Mitigation Plan for recommendations on sinkhole stabilization.

APPENDIX M

Shallow Bedrock

APPENDIX M

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Wetzel	West Virginia	0.1	0.7	0.6
Wetzel	West Virginia	0.9	2.3	1.4
Wetzel	West Virginia	2.4	5.0	2.6
Wetzel	West Virginia	5.2	5.6	0.4
Wetzel	West Virginia	5.7	6.6	0.9
Wetzel	West Virginia	6.7	8.9	2.2
Harrison	West Virginia	9.0	12.2	3.2
Harrison	West Virginia	12.3	15.4	3.1
Harrison	West Virginia	15.6	17.9	2.3
Harrison	West Virginia	18.0	18.8	0.8
Harrison	West Virginia	18.9	21.7	2.8
Harrison	West Virginia	21.8	23.1	1.3
Harrison	West Virginia	23.2	24.6	1.4
Harrison	West Virginia	24.8	24.9	0.1
Harrison	West Virginia	25.1	25.9	0.8
Harrison	West Virginia	30.3	31.4	1.1
Doddridge	West Virginia	31.5	32.7	1.2
Doddridge	West Virginia	33.2	34.3	1.1
Lewis	West Virginia	34.4	41.3	6.9
Lewis	West Virginia	41.5	42.7	1.2
Lewis	West Virginia	42.8	43.2	0.4
Lewis	West Virginia	43.3	44.8	1.5
Lewis	West Virginia	45.0	46.0	1.0
Lewis	West Virginia	46.4	48.1	1.7
Lewis	West Virginia	48.3	51.2	2.9
Lewis	West Virginia	51.3	52.4	1.1
Lewis	West Virginia	52.5	55.2	2.7

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Lewis	West Virginia	55.3	58.7	3.4
Lewis	West Virginia	58.8	60.2	1.4
Lewis	West Virginia	60.3	60.4	0.1
Lewis	West Virginia	60.5	61.2	0.7
Lewis	West Virginia	61.4	62.3	0.9
Lewis	West Virginia	62.4	65.6	3.2
Braxton	West Virginia	71.3	71.8	0.5
Braxton	West Virginia	72.1	72.3	0.2
Braxton	West Virginia	72.8	73.5	0.7
Braxton	West Virginia	73.9	74.0	0.1
Braxton	West Virginia	74.3	74.6	0.3
Braxton	West Virginia	74.8	74.9	0.1
Braxton	West Virginia	75.3	76.1	0.8
Braxton	West Virginia	76.2	76.7	0.5
Braxton	West Virginia	77.0	77.7	0.7
Braxton	West Virginia	77.9	78.1	0.2
Braxton	West Virginia	78.4	79.0	0.6
Braxton	West Virginia	79.1	79.3	0.2
Braxton	West Virginia	79.4	79.6	0.2
Braxton	West Virginia	80.0	80.4	0.4
Nicholas	West Virginia	114.1	115.1	1.0
Nicholas	West Virginia	115.2	115.8	0.6
Nicholas	West Virginia	116.0	116.1	0.1
Nicholas	West Virginia	116.2	116.5	0.3
Nicholas	West Virginia	118.2	118.4	0.2
Nicholas	West Virginia	122.3	122.6	0.3
Nicholas	West Virginia	122.7	122.8	0.1
Nicholas	West Virginia	126.4	126.5	0.1

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Nicholas	West Virginia	127.4	127.7	0.3
Nicholas	West Virginia	128.3	128.6	0.3
Nicholas	West Virginia	129.0	129.3	0.3
Nicholas	West Virginia	129.5	129.9	0.4
Nicholas	West Virginia	130.5	130.8	0.3
Nicholas	West Virginia	134.2	134.4	0.2
Greenbrier	West Virginia	136.9	137.2	0.3
Greenbrier	West Virginia	137.7	138.4	0.7
Greenbrier	West Virginia	139.5	139.6	0.1
Greenbrier	West Virginia	144.1	144.2	0.1
Greenbrier	West Virginia	144.7	145.2	0.5
Greenbrier	West Virginia	145.8	146.1	0.3
Greenbrier	West Virginia	147.1	147.8	0.7
Greenbrier	West Virginia	148.1	148.5	0.4
Greenbrier	West Virginia	150.1	150.6	0.5
Greenbrier	West Virginia	151.5	151.9	0.4
Greenbrier	West Virginia	156.4	156.5	0.1
Summers	West Virginia	158.5	158.6	0.1
Summers	West Virginia	159.1	160.0	0.9
Summers	West Virginia	160.4	160.6	0.2
Summers	West Virginia	160.7	162.1	1.4
Summers	West Virginia	163.4	163.8	0.4
Summers	West Virginia	165.9	166.1	0.2
Summers	West Virginia	166.3	166.4	0.1
Summers	West Virginia	166.5	166.8	0.3
Summers	West Virginia	171.6	171.8	0.2
Summers	West Virginia	172.0	172.1	0.1
Summers	West Virginia	172.2	172.3	0.1

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Monroe	West Virginia	173.6	173.7	0.1
Monroe	West Virginia	178.9	179.2	0.3
Monroe	West Virginia	179.5	179.6	0.1
Monroe	West Virginia	179.7	179.8	0.1
Monroe	West Virginia	180.2	180.4	0.2
Monroe	West Virginia	181.1	181.2	0.1
Monroe	West Virginia	181.4	181.5	0.1
Monroe	West Virginia	181.6	183.2	1.6
Monroe	West Virginia	183.4	184.8	1.4
Monroe	West Virginia	184.9	185.2	0.3
Monroe	West Virginia	185.3	186.7	1.4
Monroe	West Virginia	187.8	187.9	0.1
Monroe	West Virginia	188.1	188.2	0.1
Monroe	West Virginia	189.8	189.9	0.1
Monroe	West Virginia	190.3	190.5	0.2
Monroe	West Virginia	190.6	190.8	0.2
Monroe	West Virginia	191.4	193.6	2.2
Monroe	West Virginia	193.7	194.0	0.3
Giles	Virginia	195.1	195.5	0.4
Giles	Virginia	199.8	200.0	0.2
Giles	Virginia	200.8	201.4	0.6
Giles	Virginia	201.5	201.6	0.1
Giles	Virginia	203.8	204.4	0.6
Giles	Virginia	205.7	205.9	0.2
Giles	Virginia	206.2	206.7	0.5
Giles	Virginia	206.9	207.0	0.1
Giles	Virginia	207.1	207.3	0.2
Giles	Virginia	207.6	207.9	0.3

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Giles	Virginia	210.2	210.4	0.2
Giles	Virginia	210.8	211.1	0.3
Giles	Virginia	214.2	214.3	0.1
Giles	Virginia	214.8	215.0	0.2
Craig	Virginia	216.8	217.2	0.4
Montgomery	Virginia	217.2	217.3	0.1
Montgomery	Virginia	218.4	218.6	0.2
Montgomery	Virginia	218.7	221.4	2.7
Montgomery	Virginia	223.0	223.2	0.2
Montgomery	Virginia	223.3	223.9	0.6
Montgomery	Virginia	224.1	224.4	0.3
Montgomery	Virginia	224.7	225.2	0.5
Montgomery	Virginia	225.8	225.9	0.1
Montgomery	Virginia	226.0	226.3	0.3
Montgomery	Virginia	226.4	226.7	0.3
Montgomery	Virginia	227.5	227.6	0.1
Montgomery	Virginia	227.7	227.9	0.2
Montgomery	Virginia	228.0	228.1	0.1
Montgomery	Virginia	228.2	229.1	0.9
Montgomery	Virginia	229.4	232.7	3.3
Montgomery	Virginia	233.5	233.6	0.1
Roanoke County	Virginia	234.2	239.0	4.8
Franklin County	Virginia	244.4	244.8	0.4
Franklin County	Virginia	244.9	245.2	0.3
Franklin County	Virginia	245.4	246.5	1.1
Franklin County	Virginia	247.4	248.7	1.3
Franklin County	Virginia	249.4	249.5	0.1
Franklin County	Virginia	249.6	249.7	0.1

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Franklin County	Virginia	249.8	250.1	0.3
Franklin County	Virginia	250.3	251.4	1.1
Franklin County	Virginia	251.8	252.4	0.6
Franklin County	Virginia	252.7	252.8	0.1
Franklin County	Virginia	253.0	253.1	0.1
Franklin County	Virginia	254.6	254.7	0.1
Franklin County	Virginia	255.1	255.2	0.1
Franklin County	Virginia	255.5	255.7	0.2
Franklin County	Virginia	256.7	256.9	0.2
Franklin County	Virginia	257.0	257.2	0.2
Franklin County	Virginia	257.9	258.0	0.1
Franklin County	Virginia	258.2	258.4	0.2
Franklin County	Virginia	258.8	258.9	0.1
Franklin County	Virginia	259.0	259.1	0.1
Franklin County	Virginia	259.3	259.7	0.4
Franklin County	Virginia	260.7	260.8	0.1
Franklin County	Virginia	262.2	262.3	0.1
Franklin County	Virginia	262.9	263.1	0.2
Franklin County	Virginia	263.4	263.5	0.1
Franklin County	Virginia	264.1	264.2	0.1
Franklin County	Virginia	264.3	264.5	0.2
Franklin County	Virginia	266.1	266.2	0.1
Franklin County	Virginia	266.3	266.4	0.1
Franklin County	Virginia	271.2	271.3	0.1
Franklin County	Virginia	271.4	271.6	0.2
Franklin County	Virginia	273.8	274.0	0.2
Franklin County	Virginia	274.6	274.7	0.1
Franklin County	Virginia	274.9	275.0	0.1

APPENDIX M (continued)

Shallow Bedrock along the Mountain Valley Project

County	State	Start MP	End MP	Distance (miles)
Franklin County	Virginia	275.2	275.3	0.1
Franklin County	Virginia	276.0	276.1	0.1
Franklin County	Virginia	276.4	276.7	0.3
Franklin County	Virginia	276.8	277.2	0.4
Franklin County	Virginia	278.1	278.2	0.1
Franklin County	Virginia	279.0	279.1	0.1
Franklin County	Virginia	279.2	279.5	0.3
Franklin County	Virginia	279.7	280.2	0.5
Franklin County	Virginia	280.3	280.7	0.4
Franklin County	Virginia	281.0	281.1	0.1

a/ Bedrock within 7 feet of surface as mapped by USDA, 2015.