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FERC EIS
No. 0249F

Final Environmental Impact Statement
Constitution Pipeline and Wright Interconnect Projects

Vol. 2 of 2

Docket Nos.
CP13-499-000
CP13-502-000
PF12-9-000

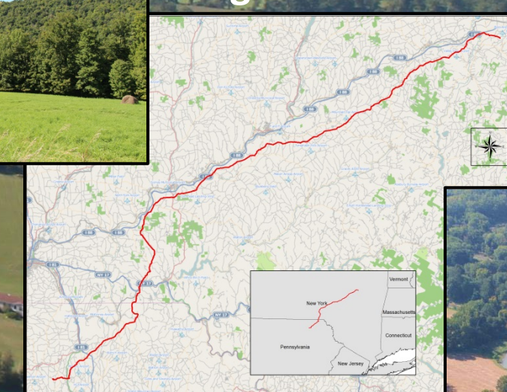
October 2014

Federal Energy Regulatory Commission
Office of Energy Projects
Washington, DC 20426

Final Environmental Impact Statement – Vol. 2

FERC EIS 0249F

Constitution Pipeline and Wright Interconnect Projects



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Distribution List

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- Office of Environmental Management, DC
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  - Carol M. Borgstrom, Director of Office and General Counsel

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  - Pat Carter, NEPA Coordinator, VA
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- Bureau of Safety and EnvironmentalEnforcement, VA
  - Charles B. Barbee, Chief, Environmental Enforcement Division

Department of Justice, DC
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  - Alexander Yuan, Foreign Affairs Officer

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  - Lingard Knutson, Regional Administrator
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- Region 3, NY
  - Shawn M. Garvin, Regional Administrator
  - Jerome Blackman, Natural Gas STAR

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- Energy & Natural Resources Committee Office, DC
  - Mary L. Landrieu, Chairman

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U.S. House of Representatives Congressman, Tom Reed
U.S. House of Representatives Congressman, Tom Marino, PA
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Senator, Tom Libous
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- Tom Goetzmann, Park Manager

Mine Kill and Max V. Shaul State Parks, NY
- John Lowe, Park Manager

New York Farm Bureau, NY
New York State
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  - Andrew Cuomo, Governor
  - Pat Henderson, Governor's Energy Executive
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  - William C. Craine, County Treasurer
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- Delaware County
  - Martha Bellinger, Deputy Regional Permit Administrator
- Department of Agriculture and Markets (NYA&M),
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  - Bureau of Fisheries
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    - Kevin Bliss, Region 7
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  - Bureau of Technical Preservation Services
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  - Central New York State Park Region
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  - Central Office
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    - Region 4-Sub Office
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    - Harry Warner, Region 7
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  - Division for Historic Preservation
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  - Division of Lands And Forests
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  - Forestry
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    - Alan T. Michaels, Assistant Counsel

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Cynthia McCarran, Office of Electric Gas and Water
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Region 3
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Mike Krancer, Secretary
Coastal Resources Management Program
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Northeast Region Office Safe Drinking Water
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Northeast Regional Office
Michael Bedrin, Regional Director
Office of Mineral Resources Management - Bureau of District Mining Operations
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Fish and Boat Commission (PA FBC)
Division of Environmental Services
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Natural Diversity Section
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Northeast Region
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Rob Wnuk, Fisheries Biologist

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Historical Museum Commission (PHMC)
Bureau For Historic Preservation
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Andes Fire Department, NY
Andes Town Highway Department, NY
Highway Department
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County Clerk
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Douglas C. English, Jr., GIS Administrator
Planning And Economic Development
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Broome Volunteer Emergency Squad, NY
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Carlisle Volunteer Fire Department, NY
Castle Creek Fire Company, NY
Central Bridge Fire Department, NY
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Charlotteville Fire Department, NY
Chenango Ambulance Services, Inc., NY
Chenango Bridge Fire Company, Inc., NY
Chenango Chamber of Commerce, NY
Chenango County, NY
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Department of Emergency Services
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Department of Planning and Development
Rena Doing
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Department of Public Health, Environmental Health
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Soil And Water Conservation District
Lance Lockwood, District Manager
Village of Bainbridge
Phillip "Chick" Darling, Mayor
Chenango Fire Company, Inc., NY
Choconut Center Volunteer Fire Company, Inc., NY
City of Binghamton Fire Bureau, NY
City of Norwich Fire Department, NY

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Cobleskill Fire Department, NY
Colchester Town Police Department, NY
Colesville Volunteer Ambulance Service, NY
Columbia Hose Company No. 1, PA
Cooks Falls Fire Department, NY
Coventry Volunteer Fire Company, NY
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    Delaware County Attorney
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    Industrial Development Agency
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        Bill Gross, IDA Member - Signs, etc.
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        Rick Weidenbach, Executive Director
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        Dennis Valente, Supervisor
    Town of Masonville
        Craig Dumond, Supervisor
    Western Catskills
        Linda Stratigos
    Watershed Affairs
        Dean Frazier, Commissioner
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Delhi Village Police Department, NY
Deposit Fire Department Emergency Squad, NY
Deposit Village Police Department, NY
Downsville Fire Department, NY
East Branch Fire Department, NY
East Maine Fire Company, Inc., NY
East Meridith Fire Department, NY
Endicott Fire Department, NY
Endicott Village Police Department, NY
Endwell Fire Department, NY
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Forest City Borough Police Department, PA
Forest City Fire Department, PA
Franklin Fire Department, NY
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Local Government Agencies (continued)

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Johnson City Village Police Department, NY
Killawog Fire District, NY
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Maine Emergency Squad, NY
Maine Fire Department, NY
Margaretville Fire Department, NY
Margaretville Village Police Department, NY
Masonville Fire Department, NY
Meridale Fire Department, NY
Middleburgh Fire Department, NY
Montrose Borough Police Department, PA
New Berlin Fire Department, NY
New Berlin Town Police Department, NY
New York City, NY
- Department of Environmental Protection
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  - John Schwartz
  - Carter Strickland, Commissioner

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North Norwich Volunteer Fire Department, NY
Norwich City Police Department, NY
Oakland Borough Police Department, PA
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  - Psalm Wyckoff, Senior Planner
- Highways, Forestry, and Parks
  - Kevin Flint, Town Deputy Highway Superintendent
  - Ronald Tiderencel, Town Highway Superintendent
- Office of Emergency Services
  - Robert J. O'Brien, Assistant Coordinator
  - Kevin W. Ritton, Coordinator
- Office of the County Clerk
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  - Kathy Sinnott Gardner, County Clerk
  - Carol McGovern, Clerk of the Board/County Auditor
- Planning Department
  - Erik Scrivener, Planner
- Sheriff's Office
  - Cameron S. Allison, Undersheriff
  - Richard J. Devlin, Jr., Sheriff

Otsego County Chamber, NY
Otsego County Conservation Association, NY
- Darla Youngs

Oxford Fire Department, NY
Oxford Village Police Department, NY
Pharsalia Fire Company, NY
Pindars Corners Fire Department, NY
Plymouth Volunteer Fire Department, Inc., NY
Port Dickinson Fire Department, NY
Port Dickinson Village Police Department, NY
Preston Fire Department, NY
Prospect Terrace Fire Department, NY
Richmondville EMS, NY
- Ed Hillenbrand, Emergency Responder
- Scott Benett, Emergency Responder

Richmondville Fire Department, NY
- Dennis Cole, Fireman
- Gary Rightmyer, Fireman
- Jeffery Sperbeck, Fireman

Roseboom Town Board
- Patti Gustafoon

Roxbury Volunteer Fire Department, NY
Rush Volunteer Fire Department, PA
Sanitaria Springs Fire Company, NY
Schoharie County, NY
- Chamber of Commerce
- Clerk of The Board's Office
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  - Karen Miller, Board Clerk
  - Karen Prall
- County 911
  - Amy Wayman, Supervisor
- Fire Coordinator/Town Board Member
  - Matthew Brisley, Fire Coordinator
- Highway Department
  - Paul Becker, Manager
- Planning and Development
  - Sarah Blood, Economic Development Specialist
  - Lillian Bruno, Planner
  - Brian Fleury, GIS Specialist
- Planning Board
  - Pamela Foland, Town Clerk
  - Shane Nickle, Senior Planner
  - Alicia Terry, Director of Planning
- Sheriff's Office
  - Anthony F. Desmond, Sheriff
  - Ronald R. Stevens, Undersheriff

Local Government Agencies (continued)

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Town Board
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Town of Broome
Ann Batz, Town Supervisor
Town of Carlisle
Larry Bradt, Town Supervisor
Town of Cobleskill
Tom Murray, Town Supervisor
Town of Conesville
D. Michael Brandow, Town Supervisor
Town of Esperance
Earl VanWormer, Town Supervisor
Town of Middleburgh
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Town of Seward
Carl Barbic, Town Supervisor
Town of Sharon
Sandra Manko, Town Supervisor
Town of Summit
Jim Dibble, Superintendent
Town of Summit
Raynor Duncombe, Town Attorney
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Schoharie-Wright Ambulance, NY
Joan and Warren Burton, Emergency Responders, Town of Wright
Sharon Springs Fire Department, NY
Sherburne Village Police Department, NY
Sidney Chamber of Commerce, NY
Sidney Fire Department, NY
Sidney Village Police Department, NY
Silver Lake Police Department, PA
Silver Lake Volunteer Fire Company, PA
Smyrna Fire Department, NY
South Kortright Volunteer Fire Department, NY
South New Berlin Fire Department, NY
South Otselic Fire Department, NY
Springville Volunteer Fire Company, PA
Summit Fire Department, NY
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Planning Commission
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Commissioner
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Conservation District
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Council of Governments
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Courthouse
Silvia Beamer, Chief Clerk
Michael Giangrieco, Commissioner
County Government
Sue Abbott, Council Member
Jack Agler, Council Member
Richard Ainey, Council Member
Eric Allan, Roadmaster / Street Superintendent
Daniel J. Anthony, Secretary
Graham A. Anthony, President / Chairperson
Linda Anthony, Emergency Management Coordinator
Ken Bondurant, Emergency Management Coordinator
Ken Carey, Council Member
Jim Carr, Council Member
Todd Chamberlain, Council Member
Russell Conklin, President / Chairperson
Dwayne Conklin, Fire Chief / Fire Marshal
Paul Dudley, Emergency Management Coordinator
Robert Ehm, Roadmaster / Street Superintendent
Michael S. Fabrizi, Jr., President / Chairperson / Roadmaster / Street Superintendent
Garry Foltz, President / Chairperson
Wayne Frederici, Emergency Management Coordinator
Randy Glover, Mayor / Executive
William Gorski, Supervisor
Sean Granahan, Council Member
Alan M. Hall, President / Chairperson
Amy Hine, Secretary
Jim Hunter, Township Supervisor
Barbara James, Council Member
Dave Jenkins, Supervisor
Thomas Lamont, Council Member
Kenneth Mead, Roadmaster / Street Superintendent
Oscar Miller, Emergency Management Coordinator
Charlene Moser, Emergency Management Coordinator
Richard Moser, Fire Chief
Jeffrey Page, Secretary
Mark Pease, Supervisor
Tony Pickett, Council Member
Davis W. Reed II, Emergency Management Coordinator

Local Government Agencies (continued)

Craig Reimel, Council Member
Penny Scarborough, Council Member
Randall Schuster, Council Member
Julanne Skinner, Council Member
Joseph Taylor, Mayor / Executive
Morgan Turner, Supervisor
Lawrence White, Council Member
Barbara Whitehead, Secretary
John Wilson, Mayor
James E. Wood, Emergency Management Coordinator
William Wynn, Supervisor
Bridgewater Township
Jack Lasher, Emergency Management Coordinator
Harford Township
Sue A. Furney, Secretary
Doug Phelps, Supervisor
Harmony Township
Frederick Jackson, President / Chairperson
Jackson Township
Frederick D. Lewis, Roadmaster / Street Superintendent
New Milford Borough
James Carpenetti, Emergency Management Coordinator
Jack Conroy, Township Supervisor
Julene N. Graham, Secretary
Teri Gulick, Council Member
Don Shibley, Supervisor
Jane Zick, Council Member
Oakland Borough
Ronald Beavan, President / Chairperson
Gary Boughton, Council Member
Florence Brush, Secretary
David Dibble, Council Member
Thomas Kubas, Council Member
Brian Rhone, Council Member
David Trevarthan, Council Member
Health Department
Sylvia Parker, State Health Nurse Supervisor
Municipal Authority
Rex Maxey
Susquehanna Depot Borough Police Department, PA
Susquehanna Fire Department, PA
Thompson Hose Company, PA
Town of Afton, NY
Elected Supervisors
John H. Lawrence, Town Supervisor
Highway Department
Lynn Shultis, Superintendent of Highway
Planning Board
Lloyd Warren, Chairperson
Town of Bainbridge, NY
Elected Supervisors
Dolores Nabinger, Town Supervisor
Highway Department
Gary R. Richman, Superintendent
Planning Board
Jarrett Cannistra, Chairperson
Town of Binghamton, NY
Highway Department
Michael K. Donahue, Highway Superintendent
Town of Binghamton Volunteer Fire Company Inc., NY
Town of Blenheim, NY
Blenheim Town Council
Keith Graham, Council Member
Anne Mattice-Strauch, Council Member
Joseph Ward, Council Member
Board of Supervisors
Robert H. Mann Jr., Town Supervisor
Town of Bloomville, NY
Planning Board
Archibald Gallup, Planning Board Chair
Town of Broome Volunteer Fire Department, NY
Town of Cobleskill, NY
Board of Supervisors
Thomas Murray, Jr., Town Supervisor
Highway Department
Michael Persons, Superintendent
Planning Board
Andre Nadeau, Planning Board Chair
Town of Colesville, NY
Board of Supervisors
Glenn Winsor, Town Supervisor
Highway Department
Jim Bulger, Highway Supt.
Robert Young, Highway Supt.
Planning Board
William Schuldt, Planning Board Secretary
Town of Colesville Fire Company #1, NY
Town of Davenport, NY
Planning Board
Jo Bordinger
Morrison Bordinger
Town of Delhi, NY
Highway Department
Robert Howard, Superintendent
Town of Franklin, NY
Highway Department
Mark Laing, Superintendent of Highways
Planning Board
Daniel Schlafer, Planning Board

Local Government Agencies (continued)

Town of Fulton, NY
- Joyce Hodder
- Board of Supervisors
  - Philip R. Skowfoe Jr., Town Supervisor
- Town Attorney
  - Shawn J. Smith
- Town Council
  - Neil Driscoll, Chair
  - James Heiser, Council Member
  - Helmut R. Hoeher, Council Member
  - Richard Mix
  - James Morgan, Council Member
  - Francis Tatten, Council Member

Town of Gilboa, NY
- Board of Supervisors
  - Anthony T. Vanglad, Town Supervisor
- Town Council
  - David Hartwell, Council Member
  - Dorothy Pickett, Council Member
  - Maxwell B. Stryker, Council Member
  - Norwood Tompkins, Council Member

Town of Harpersfield, NY
- Board of Supervisors
  - James E. Eisel, Sr., Chair
- Highway Department
  - Russell Hatch, Superintendent
- Planning Board
  - Dean A. Darling, Planning Board Chairman

Town of Jefferson, NY
- Board of Supervisors
  - Daniel Singletary, Town Supervisor
- Planning Board
  - Robert Glas, Planning Board Chair

Town of Kortright, NY
- Board of Supervisors
  - Steven C. Bower, Town Supervisor
- Highway Department
  - John McMullen, Superintendent
  - William Smith, Superintendent

Town of Maryland, NY
- Assessor's Office
  - John Arnold, Assessor
- Highway Department
  - Robert Lincoln, Town Highway Superintendent
- Planning Board
  - John and Eleanor A. Arnold, Planning Board Chairman
- Town Board
  - Kaye Freling, Town Clerk
  - Scott Gaston, Board Member
  - Sharon Heller, Board Member
- Town Supervisors
  - Marjorie French, Town Supervisor
  - Peter Oberacker, Jr., Town Supervisor

Town of Masonville, NY
- Highway Department
  - Chuck Smith, Superintendent
- Planning Board
  - Pamela Walker, Town clerk
- Town Board
  - Michael S. Sabansky, Supervisor
  - Michael Spaccaforno, Supervisor

Town of Meredith, NY
- Board of Supervisors
  - Keitha Capouya, Town Supervisor
- Highway Department
  - William Jester, Superintendent
- Planning Board
  - Sue Dapkins, Planning Board Chair
  - Michele Lechanteur, Planning Board Clerk

Town of Middletown, NY
- Highway Department
  - John Biruk, Superintendent

Town of Oneonta, NY
- Cheryl L. Shackelton, Town Clerk
- Code Enforcement
  - Paul T. Neske, Code Enforcement Officer
- Highway Department
  - James Hurtubise II, Superintendent of Highways
- Otsego County Rep
  - Richard Murphy, County Representative
- Planning Board
  - Kellie Place, Planning Board Chairman
- Town Board
  - Scott Gravelin, Board Member
  - David Jones, Board Member
- Town Supervisors
  - Robert Wood, Town Supervisor

Town of Otsego, NY
- Maryalice Brown, Town Clerk and Collector
- Highway Department
  - Shawn Mulligan, Superintendent
- Highway Department
  - J.R. Hurlburt, Superintendent of Highways
- Planning Board
  - Stephen Butler, Planning Board Chairman
- Town Supervisors
  - Joseph Hurlburt, Sr., Town Supervisor
  - Anne Geddes-Atwell, Town Supervisor

Town of Richmondville, NY
- Board of Supervisors
  - Richard T. Lape, Town Supervisor
- Planning Board
  - Harold Loder, Planning Board Chair

Local Government Agencies (continued)

Town of Roxbury, NY
- Highway Department
  - Stephen Schuman, Superintendent

Town of Sanford, NY
- Board of Supervisors
  - Dewey Decker, Town Supervisor
- Planning Board
  - Karl R. Crantz, Planning Board Chair

Town of Schoharie, NY
- Board of Supervisors
  - Eugene Milone, Town Supervisor
  - Martin Shrederis, Town Supervisor
- Mayor's Office
  - John J. Borst, Mayor

Town of Sidney, NY
- Andy Matviak, Mayor
- Bob McCarthy, Supervisor
- Highway Department
  - James A. Roberts, Jr., Superintendent
- Town Board
  - Bill Whallon, Town Board Member

Town of Stamford, NY
- Highway Department
  - John A. Rice Jr., Superintendent

Town of Summit, NY
- Barbara Vanvalkenburg, Town Clerk
- Board of Supervisors
  - Harold Vroman, Town Supervisor
- Council
  - Rich Beller, Councilman
  - Georgia R. Shafer, Council Person
- Planning Board
  - Gayle Beller, Secretary
  - John Meaney, Planning Board Chairman

Town of Tomkins, NY
- Highway Department
  - Ronald Van Valkenburg, Superintendent

Town of Unadilla, NY
- Highway Department
  - Rodney Renwick, Town Highway Superintendent
- Town Supervisors
  - Gregory J. Relic, Town Supervisor

Town of Walton, NY
- Highway Department
  - Walter Geidel, Superintendent

Town of Windsor, NY
- Highway Department
  - Richard 'Rocky' Kholbach, Superintendent
- Planning Board
  - Shelly Johnson-Bennett, Planning Board Chair
- Supervisor
  - Randy Williams

Town of Worcester, NY
- Jo Anne Beverland, Town Clerk
- Dave Parker, Town Councilman
- Highway Department
  - Roger Butler, Town Highway Superintendent
- Planning Board
  - Judy Amendola, Planning Board Chairman
- Town Board
  - Larry Anteman, Town Supervisor

Town of Wright, NY
- Amber Bleau, Deputy Town Supervisor
- Lynn Herzog, Town Clerk
- Highway Department
  - Harry Bennanati, Superintendent
  - Jim McLean, Superintendent
- Planning Board
  - Trudie Boulia, Planning Board Chair

Treadwell Fire Department, NY
Triangle Volunteer Fire Company, Inc., NY
Trout Creek Fire Department, Inc., NY
Union Center Fire Company, Inc., NY
Union Dale Ambulance, PA
Union Dale Volunteer Fire Co., PA
Union Volunteer Emergency Squad, NY
United Fire Company, PA
Vestal Emergency Squad, NY
Vestal Fire Department, NY
Vestal Town Police Department, NY
Village of Middleburgh, NY
- Bill Morton, Trustee

Village of Sidney, NY
Village of Stamford Fire Department, NY
Walton Fire Department, NY
Walton Village Police Department, NY
West Colesville Fire Company, Inc., NY
West Corners Fire Department, NY
West Fulton Volunteer Fire Department, NY
Windsor Fire Company and Ambulance, NY
Windsor Partnership, NY
- Town of Windsor
  - Elaine Card, Insurance Agency

Native American Groups

Absentee-Shawnee Tribe of Oklahoma, OK
- Karen Kaniatobe, THPO

Cayuga Nation of New York, NY
- Timothy Two Gun, THPO
- Clint Halftown

Delaware Nation, OK
- Darrin Ahshapanek

Delaware Tribe Historic Preservation Office, KS
- Brice Obermeyer

Native American Groups (continued)

Delaware Tribe of Indians, OK
Pamela Pechonick, Chief
Eastern Shawnee Tribe of Oklahoma, MO
Roxane Weldon
Mashantucket Pequot Tribal Nation, CT
Michael Boland, Director Natural Resources Protection
Kathleen Knowles, Tribal Historic Preservation Officer
Mohegan Tribe, CT
Jean McInnis, Environmental Protection Department
Nanticoke Lenni-Lenape Indians of New Jersey, NJ
Mark Gould
Onandaga Nation of New York, NY
Jean Shenandoah
Oneida Indian Nation of New York, NY
Jesse J. Bergevin, Historic Resources Specialist
Laura Misita, Paralegal/Land Administrator
Stephen J. Seldon, Esq.
Dan Smith
Tony Wonderley, Historian
Ray Halbritter, Nation Representative
Oneida Nation of Wisconsin, WI
Corina Burke, THPO
Onondaga Nation, NY
Tony Gonyea
Sand Hill Indians, NJ
Dr. Samuel W. Beeler, Jr.,
Seneca Nation – Cattaraugus, NY
Seneca Nation – Allegany, NY
Seneca Nation of Indians, NY
Kathleen Mitchell, THPO
Seneca-Cayuga Tribe of Oklahoma, OK
Paul Barton
Shawnee Tribe, OK
Belinda Pryor, THPO
St. Regis Band of Mohawk Indians of New York, NY
Craig Arquette, Site Specific GM Oversight
Sheree Bonaparte, THPO
Ken Jock
Stockbridge - Munsee Community, WI
Steve Comer
Stockbridge – Munsee Tribal Historic Preservation Office
Sherry White, Tribal Historic Preservation Officer
Tonawanda Band of Seneca Indians of New York, NY
Darwin Hill, Clerk
Roger Hill, Chief
Tuscarora Nation of New York, NY
Leo Henry, Chief
Neil Patterson, Director - Environmental

Schools

Afton Central School District, NY
Margery Secrest, President, Board of Education
Bainbridge-Guilford Central School District, NY
Michelle Gifford, President, Board of Education
Don Wheeler, Superintendent
Board of Cooperative Educational Services (BOCES), NY
Capital Region
Broome County, NY
Afton Central School District
Elizabeth Briggs, Superintendent
Chenango Valley Central School District
David P. Gill, Superintendent
Harpursville Central School District
Kathleen M. Wood, Superintendent
Windsor Central School District
Jason Andrews, Superintendent
Peter Nowacki, President, Board of Education
Capital Region BOCES, NY
Office of School Attorney
Michael V. Handzel, Esq.
Charlotte Valley Central School District, NY
Joanna Coons, Board of Education President
Mark Dupra, Superintendent
Cobleskill-Richmondville Central Schools, NY
Lynn Macan, Superintendent
Bruce Tryon, Board of Education President
Delaware County, NY
Franklin Central School District
Gordon Daniels, Superintendent
Linda Deandrea, Board of Education President
Otego-Unadilla Central School District
Lesley Bohacek, Board of Education President
Charles Molloy, Superintendent
Sidney Central School District
William Christensen, Superintendent
South Kortright Central School District
Patricia Norton White, Superintendent
Delhi Central School District, NY
Thomas Flanders, Board of Education President
Jason Thomson, Superintendent
Deposit Central School District, NY
Joseph Burns, President, Board of Education
Edward Shirkey, Superintendent
Harpursville Central School District, NY
John Giannone, President, Board of Education

Schools (continued)

Hartwick College, NY
Katherine O'Donnell, Ph.D.,
Jefferson Central School District, NY
Carl Mummenthey, Superintendent
Greg Starheim, Board of Education President
Middleburg Central School District, NY
Kimberly Smith, Board of Education President
Michele Weaver, Superintendent
Schenevus Central School
Thomas Jory
Schoharie Central School District, NY
Linda Isles, Board of Education President
Brian Sherman, Superintendent
Sidney Central School District, NY
Nancy Parsons, Board of Education President
South Kortright Central School District, NY
Janet Becken Smith, Board of Education President
Stamford Central School District, NY
Darby Hartwell
Michael Kane
William Lister, Superintendent
SUNY Delhi, NY
Business and Community Services
Glenda Roberts, Director

Libraries

Afton Free Library, NY
Deposit Free Library, NY
Franklin Free Library, NY
Harris Memorial Library, NY
Huntington Memorial Library, NY
Pratt Memorial Library, PA
Schoharie Free Library, NY
Sidney Memorial Public Library, NY
Susquehanna County Free Library, PA
The Community Library, NY
Unadilla Public Library, NY
Worcester Free Library, NY

Media

Albany Times Union, NY
Larry Rulison
Amsterdam Recorder, NY
Kevin Mattison, Executive Director
Binghamton Press and Sun Bulletin, NY
Steve Reilly
Fox 40 WICZ TV, NY
Steve Perlin, Assignment Editor
Marcellus Drilling News, NY
Jim Willis, Editor
Norwich Evening Sun, NY
Jeff Genung, Managing Editor
Oneonta Daily Star, NY
Mark Boshnack, Editorial Department
Press and Sun Bulletin, NY
My-Ly Nguyen, Business Editor
The Daily Gazette, NY
Ed Munger, Montgomery County Reporter
The Daily Review, PA
Kelly Andrus, Editor
The Evening Sun, NY
Jeffrey Genung, Managing Editor
The Patriot News, PA
Jack Sherzer, Business News
The Times Shamrock, PA
David Falchek, Business Reporter
The Windsor Standard, NY
Donald Einstein, Editor
Times Herald Record, NY
Carmen Ramos, Recordonline.Com, Community News Coordinator
Times Journal, NY
Jim Poole, Publisher
TV 34 (ABC.NBC Affiliate), NY
Peter Quinn, Reporter
Watershed Post, NY
Julia Reischel, Publisher
Wayne Independent, PA
Greg Little, Group Editor
WBGN-TV 560, NY
Matt Markham
WQBJ, 103.5 FM, NY
Rob Dawes, Program Director
WSDE, NY
Ed Sherlock, President/General Manager
Your News Now (YNN), NY
Joe Comings, Operation Technician

Organizations

Advocates for Springfield, NY
Harry Levine
Atlantic States Legal Foundation, NY
Audubon New York, NY
Albert E. Caccese, Executive Director
Audubon New York, NY
Sean Mahar, Director of Government Relations and Communications
Baden-Powell Council, Boy Scouts of America, NY
Binghamton-Oneonta Builidng & Construction Trades Council, NY
David Marsh

Organizations (continued)

Breathe Easy - Susquehanna County, PA
Barbara Clifford
Catskill Center for Conservation and Development, NY
Tom Alworth, Executive Director
Catskill Citizens for Safe Energy, NY
Catskill Forest Association, Inc., NY
Richard D. Sloman
Catskill Forest Association, Inc., NY
Jim Waters, Executive Director
Catskill Mountainkeeper, NY
High Peaks Regional Office
Kathy Nolan, High Peaks Regional Director
Catskill Watershed Corporation, NY
Cayuga Lake Watershed Intermunicipal Organization (CLW IO), NY
Cayuga Lake Watershed Network, NY
Center for Sustainable Rural Communities, NY
Don Airey
Robert Nied
Glenn Sanders
Chenango County Environmental Management Council, NY
Chesapeake Bay Foundation, MD
Kimberly Coble
Citizen Action of New York, NY
Karen Scharff, Executive Director
Citizen Voices, NY
WER Consulting
Citizens Campaign for the Environment, NY
Capital Region/North Country Chapter
Adrienne Esposito, Executive Director
Citizens' Environmental Coalition, NY
Clapper Hollow R&G Club, NY
Ronald Yasinski
Delaware County Cooperative Extension, NY
Mariane Kiraly, Ag Program Leader
Delaware-Otsego Audubon Society, NY
Andrew Mason, Co-President
Eleanor Moriarty
Eileen Kline
Delchenango Rod & Gun Club Inc., NY
Ducks Unlimited, NY
Ron Zega, Eastern New York Regional Director
Earthjustice, NY
Paul Achitoff, Managing Attorney
Deborah Goldberg
Bridget Lee
Moneen Nasmith
Eastchester R and G Club Inc, NY
Dennis Calabro
Energy In Depth, NY
Northeast Marcellus
Rachael Colley, Field Director
Environment New York, NY
David Vanluven, Legislative Director
Environmental Advocates of New York, NY
Rob Moore, Executive Director
Garden of Eden Presbyterian Church of NY, NY
Gobblers Knob Rod and Gun Club, PA
Ray Testa
Gowanus Hunting Club, NY
Vincent Armarando
Hanford Mills Museum, NY
Liz Callahan
Headwaters Youth Conservation Corps, NY
Heavy and Highway Construction Workers, PA
Local Union No. 158
Robert Slick, President Laborers' Local 158
Hudson River Environmental Society, NY
IAMAW Union, NY
Bruce Hodges, President
International Union of Operating Engineers, NY
Upstate New York Operating Engineers Local 158
Daniel McGraw, Business Manager
Joint Landowners Coalition of Ny, NY
Land Owner Coalition
Dan Fitzsimmons, President
Laborers International Union of North America, NY
Local 785
Chris Bushnell, Field Representative
David P Marsh, Business Manager
Steve Payne, Training Instructor
Local No. 17
L Todd Diorio, Business Manager
League of Women Voters of Cooperstown, NY
Ellen Tillapaugh
League of Women Voters of Oneonta, NY
Kay Stuligross
Marcellus Shale Coalition, PA
Steve Forde, Policy and Communications Director
National Audubon Society/Cornell Lab of Ornithology, NY
Jillian M. Liner, Director of Bird Conservation
National Grid Delivery Companies, NY
John Vaughn
National Wild Turkey Federation, NY
Regional Biologist (NY, MA, CT, RI)
Doug Little, CWB(r)
Natural Resources Defense Council, NY
Ashok Gupta, Director of Programs
New York Center For Agricultural Medicine and Health (NYCAMH), NY
New York Coalition for Alternatives to Pesticides, NY
New York League of Conservation Voters, NY
Marcia Bystryn, President

Organizations (continued)

New York Public Interest Research Group (NYPIRG), NY
Laura Haight, Senior Environmental Associate
Binghamton Chapter
New York State Council of Trout Unlimited, NY
Robert Semian, Region 7 VP
Oneonta Sportsmen Club Inc Inc, NY
Otsego 2000, NY
Nicole Dillingham, President
Otsego County Conservation Association, NY
Parks & Trails New York, NY
Pennsylvania Independent Oil And Gas Association, PA
Stephanie Paluda, Public Outreach Coordinator
Pennsylvania Sierra Club, PA
Thomas Au
Project Watershed Central New York, NY
Norm Webber, Coordinator for Oneida Lake Region
Riverkeeper, NY
Paul Gallay, President and Hudson Riverkeeper
Schoharie Co Jeep Club Inc, NY
Schoharie County Historical Society, NY
Sharon Springs Against Hydrofracking, NY
Lisa Zaccaglini
Sidney Union Cemetery Assc Inc Association Inc, NY
Sierra Club, NY
Susquehanna Group
Jeff Bohner, Group Chair
Atlantic Chapter
Roger Downs, Chapter Conservation Director
Hudson-Mohawk Group
Susan Lawrence, Chair
Stop The Constitution Pipeline, NY
Susquehanna River Basin Commission, PA
Water Resources Management
Andrew S. Dehoff
SVBC.org, NY
Pastor Bruce
Teamsters Local Union No. 693, NY
Bob Firmstone, Secretary Treasurer BA
The Adaquetangie Club, Inc., PA
The Henry S. Kernan Land Trust & The Charlotte Forest, NY
Bruce Kernan
The Institute For Energy and Environmental Research, PA
Dr. Kenneth Klemow, PhD.
The Nature Conservancy, NY
NY State Office
Trout Unlimited, VA
Katy Dunlap, Eastern Water Project Director
Trout Unlimited, NY
Ron Urban, NY State Council Chair
Brian Wagner, PA State Council Chair
Mike Walchko, President
Unatego Area Landowners Association, NY
Richard Downey
Upper Susquehanna Coalition, NY
Jim Curatolo, Watershed Coordinator
Upper Susquehanna Coalition, NY
Tioga Soil and Water Conservation District
Upstate Landowners Group, LLC, NY
James T. Ash
Pawella Ash
John T. Brady
Victoria Cempa,
Jerry Roberts
James Worden, Manager
Tony Santone
VFW POST 2161, NY
Watershed Agriculture Council, NY
Craig Cashman, Executive Director

Companies

128 Rr 1, LLC, NJ
J Vincent and Theresa A Toscano
All Season Construction, NY
Jeffrey A Relyea
Amphenol Aerospace, NY
Company Operations
Rick Aiken, General Manager
Gary Anderson, Senior Vice President
Tom Czernecki, Program Manager
Andy Gates, Controller
Rob Goodchild, Factory Manager
B. S. Quarries, Inc., PA
Barnes Kasson Country Hospital HHS, PA
Bassett Hospital of Schoharie County d/b/a Cobleskill Regional Hospital, NY
Bear Swamp LP, NY
Better Homes & Transport Inc., NY
Binghamton Boys' Club Inc., NY
Binghamton General Hospital United Health Services, Inc., NY
Blenheim Inc, NY
Blue Dot Holding LLC, NJ
Bluestone Pipeline Company of PA, MI
Director Of Business Development
BMB Land LLC, NY
May Miller
Broome Oil & Gas Company Inc, NY
Brown & Davis Excavators Inc, NY
Cannonsville Hearth and Home, NY
Sandra Davis, Landowner and Business Owner

Companies (continued)

Capital District Community Gardens, NY
Sharon Diloranzo, Program Director
Centaur Farms LLC, NY
Co-Op City Tire Supply, NY
Anthony Arditi,
Sam Graw
Cornell University, NY
Bernd Blossey
Corning Natural Gas, NY
Company Operations
Mike German, President
Coughlin and Gerhart LLP, NY
Beth E. Westfall
Cross Hill, LLC, MA
Anton Pepjonaj
Decker Forest Products Inc, NY
DelChengo Rod and Gun Club, NY
James Bonner
Dew-Dec Farms Inc, Dec Five LLC, NY
Dewey A. Decker and Dawn M. Decker
DGNY Properties LLC, NJ
Distant Ventures Limited Partnership, PA
DTE Energy Company, MI
Matthew Misiak, Attorney for The Bluestone Companies
Earthworks Oil And Gas Project, NY
Nadia Steinzor, Marcellus Shale Organizer
Embar Farms LLC, NY
F,J,L&G Corp, PA
Forno Enterprises, NY
Brian Albanese
Glick-Glock Inc, CT
Grzankowski Family Properties, LLC, NJ
Lucille Grzankowski
Haywell Farms LLC, PA
Heartwood Forestland Fund LLC III Limited Partners, NC
Henry & Louise Holding LLC, NJ
Holloway Brothers Farm, NY
Hometown Energy Group, NY
Uni Blake
HRW LLC, NY
Marc Wishengrad
HSK Energy Group, LLC, NY
Chris Paulsen
Hudson Highlands Environmental Consulting, NY
Stephen Gross
Hunter Holding Corp, NJ
Matthew Frasco
HydroQuest, NY
Paul Rubin, Hydrogeologist
I 88 Truck Stop Inc, CT
C. Marsh
Independent Power Producers of New York, Inc., NY
Gavin Donohue, President & CEO
Iroquois Gas Transmission System, LP, CT
Hubert Harrell
Jepacon, LLC, NJ
John Mitchell Constantine, Jr., Michael John Constantine and Elaine J. Constantine
John & Hengerer, D.C.
Matthew Rick
JTC Realty, LLC, NJ
KER-MART Realty, NY
La Capra Associates, Inc., MA
Melissa Whitten, Consultant
Lamont Engineers, NY
Michael D. Harrington
Lancaster Development, Inc., NY
Mark Galasso
Leatherstocking Gas Company, LLC, NY
Gas Supply
Russ Miller, Vice President
Joe Mirabito, Business Owner
Lizzas Valley View Farm LLC, NY
Loder Properties, Inc, NY
Lyncott Corporation, PA
Richard Valigo, President
Maple Downs Lands LLC, NY
Margaretville Memorial Hospital, NY
Maxim Equity Properties LLC, NJ
Meltz Realty Corp, NY
Mill Farm LLC, NY
Montrose General Hospital, PA
Montrose MinuteMen, Inc., PA
Mountain Boys LTD, NY
MSD Bedrock, LLC, PA
Mt Summit Realty, NY
National Speleological Soc Inc, AL
New York State Electric & Gas Corporation, NY
Niagara Mohawk Power Corporation, NY
Jane D. Catalano
Northeastern Cave Conservancy, Inc, NY
O'Conner Hospital, NY
Oneida Campground And Lodge LL, PA
Pace Environmental Litigation Clinic, Inc., NY
Daniel Estrin
Anne Marie Garti, Esquire
PADAPP, LLC, NY
Parker Hollow Preservation Club 1, LLC, NY
Donald Devincentis
Passaic Bergen R&G, NJ
Mike Fasino
Rag Apple LLC, PA
Recreational Acreage Exchange LTD., NY
RP Hills, PA
Gayle Kelly Hills
Scenic Hudson, Inc., NY

Companies (continued)

Schaefer Enterprises, Inc., NY
Larry Schaefer, Business Owner
Schoharie Water Sys & Sup Line, NY
Shaul Farms Inc, NY
David and Becky Shaul
Sheldon Road Farm, LLC, NY
Sherwood Forest Products, LLC, NY
Sky Lake of Wyoming Conference, Inc., NY
Smith and Delp Attorneys At Law,Smith, Esq.
Starlight Forests LLC, PA
State Line Resources, LLC, NY
John Donaldson
Statewide 985, LLC, PA
Stone Mountain Management LLC, UT
Summit Lake Assoc Inc., NY
TE Products Pipeline Co LP, TX
Terrace Mountain Orchard, LLC, NY
Tessarok Development Industries, Inc., NY
Terrence Tessarzik, President, Tessarzik Development Industries, Inc.
The Button Family Partnership, PA
Norman Button, Et Al
The Denton Law Office, PLLC, NY
Legal Issues
Christopher Denton, Lawyer
The Henry S. Kernan Land Trust and The Charlotte Forest, NY
Christopher and Bruce Kernan
The Law Office of Douglas H. Zamelis, NY
Douglas H. Zamelis
The Law Offices of Carolyn Elefant PLLC, DC
Carolyn Elefant
TNT I Limited Partnership, PA
Top Rock 14 Inc, PA
John Ricciard
Troy Construction, TX
Facilities Division
Wayne Pierce, Superintendent
Trustco Realty Corp., NY
UHS Chenango Memorial Hospital, Inc., NY
UHS Delaware Valley Hospital, NY
Vallonia Springs Corp, NY
Vandyke Enterprises Inc., NY
Walczak Lumber Company Inc., PA
Trevor Walczak, Forester
Williams Field Services Company LLC, PA
Williams Gas Pipeline Company, LLC, TX
Excetral Caldwell, Senior Counsel
Williams Gas Pipeline Company, LLC, TX
Rates and Regulatory
Scott Turkington, Director
Wilson Medical Center United Health Services Hospitals, Inc., NY
World Properties, NY
Alex Demetriades
World Wide Trucks & Parts, Inc., PA
Young Sommer LLC, NY
Michael Moore, Esq.
Kevin Young

Intervenors

Laura Ahearn-Rau, NY
Nick Albaugh, NY
Michael Aronson, NY
Robert Ashley, NY
Michele Barnes, NJ
Dale and Cynthia Corna Beach, NY
Albert and Deborah Bernard, NY
Glenn and Laura Bertrand, NY
Linda and Epifanio Bevilacqua, NY
Michael and Dawn M. Bianco, NY
Mary and James Bixby, Jr., NY
Bernald and Leona Briggs, NY
Tracy Briggs, NY
Daniel and Laura Jean Olivia Brignoli, NY
Linda Randall Bryant, NY
Craig Buckbee, NY
Chris Burgher and Lori Collins-Hall, NY
Karen Butler, NY
Timothy Camann, Christine Camann, NY
Gaetano and Joan Catapano, NY
Julian Cempa and Victoria Cempa, NY
David C. and Rebecca J. Colby, NY
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Albert Crepeau Jr., Sharon Hodurski, and May Crepeau, PA
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Mark and Carmen D'Amico, NY
Fernando Dasilva and Maryann Dasilva, NY
Dennis Denman, NY
Michael DePinto, NY
Maureen Dill, NY
Paul and Elizabeth Ann Drosziak, SC
Richard W. Duggan III, TX
Patricia Fowler, NY
Joseph Freiss, NY
Giuseppe and Robin Fuduli and Robin M Fuduli, NY
Alexander Gallinelli, NY
Anne Marie Garti, NY
Joe Goellner, NY
Dennis Gonseth, NY
Sharon Gonsalves, Crystal Gonsalves, NY
T. and Claudia Gorman, RI
Thomas and Claudia Gorman, NY

Intervenors (continued)

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Michael Grossman, NJ
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William M. and Margaret M. Hansen, NY
Aaron Harrison and Joyce Bitran, NY
Orvill Jay Hine Jr. and Anne B. Hine, NY
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William Huston, NY
John J. Hviid, NY
Susan Jacques, NY
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Ralph and Roseann Kaiser, NY
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Edward and Kirsten Kendall, NY
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Eileen Kline, NY
Deborah Krol, NY
Susan Laidacker, PA
Sherry Lane, NY
Antonio and Clorinda Lava, NY
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Gabriella and Jeff Leach, NY
Kathleen Lee, NY
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Joe Maloney, NY
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Eugene Marner, NY
Jose Martin, NY
Joe Martin, NY
Gary H. Mazanec, Cindy A. Mazanec, Charles F. Graves, and Carol J. Gigl, NJ
Mary Colleen McKinney and Thomas Gorman, NY
Cathy McNulty, NY
George and Michael Meszaros, Jr., NY
John Migliette, NY
Rob Minotti, NY
Renee and Robert Neid, NY
Phil Nelson, NY
Frank A. and Constance A. Nicolia, NY
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Karen O'Neill, NY
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Richard Pfau and Nancy DiPace Pfau, NY
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Harris Randall, NY
Kenneth Rau, NY
William and Eleanor Raymond, NY
Gale Reardon, NY
Hazen Reed, NY
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R. Rogan, NY
Rebecca Roter, PA
Judy Rowe, NY
Kate Ryan, NY
Nancy Saglimbeni, NY
Andrea and Clark Sanders, NY
Angelo Santoro, NY
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Wayne R. Stinson, NY
Wayne and Jennifer Stinson, NY
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Beverly Travis, NY
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Mary Tuthill, NY
Shirley P. Uhle, NY
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Anjeannette Wright, NY
Robert Wright, NY

Intervenors (continued)

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Wendy Lee, Professor, PA
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May Miller, NY
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Darren Suarez, Director of Government Affairs, NY
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Corporate Secretary
Deidre Shearer, Managing Counsel and Corporate Secretary, TX
Capital Region BOCES
Office of School Attorney
Michele V. Handzel, Esq., NY
Catskill Mountainkeeper
Ramsay Adams, Executive Director, NY
Citizens for Clean Water, PA
Vera Scroggins, PA
Constellation Energy Resources, LLC, MD
Energy Policy
Lisa Simpkins, Vice President, MD
Christopher Young, Senior Counsel, MD
Corbett & Schreck, P.C., TX
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Eileen Kline NY
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Eastern New York Laborer's District Council
Samuel Fresina, Business Manager, NY
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Federal Regulatory Affairs
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Hartwick College
Katherine O'Donnel, Ph.D., NY
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Mayer Brown LLP, DC
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Rachel Polens, NY
New York State Council of Trout Unlimited
Katy Dunlap, NY
Roy Lamberton, NY
William H. Wellman, Region 5 Vice President, NY
New York State Department of Environmental Conservation
Patricia Desnoyers, NY
New York State Office of the Attorney Genera
lIsaac Cheng, Assistant Attorney General, NY
Jeremy Magliaro, Policy Analyst, NY
John Sipos, Assistant Attorney General, NY
New York State Public Service Commission (NYSPSC)Office of Electric, Gas And Water
Thomas Dvorsky, Director, NY
Nixon Peabody LLP, DC
Elizabeth Whittle, DC
Stanley Widger, DC
Nolan & Heller, LLP
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NY Affordable Reliable Electricity Alliance
Richard Thomas, Director, NY
Ostego County Board of Representatives
Beth Rosenthal, Representative, NY
Pennsylvania Historical and Museum Commission, PA
Bureau for Historic Preservation
Douglas McLaren, Chief, Division of Archaeology & Protection, PA
Southwestern Energy Services Company, TX
Billy Dixon, Senior Attorney, TX
Marketing and Transportation
Jason Kurtz, Vice President, TX
The National Grid Gas Delivery Companies, DC
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Upstate Landowners Group, LLC
James Ash, NY
Pawella Ash, NY
John T. Brady, NY
Jerry Roberts, NJ
Theona and John Sitaras, NY
Donald M. Smith, NY
Ronald A. and Bette R. Wagner, NY
James Worden, Manager, NY
White & Case LLP, DC
Caileen Gamache, DC
Corey Neal, DC
Jane Rueger, DC

Individuals

Gina Abatemarco, NY
Michele Abbot, CA
Ziad Abbud and Anne McBain, NJ
Rebecca Aberle, NJ
Linda-Lee M. Abraham and John W. Gould, NY
Earl and Laura A Abrams, PA
Gail Edward Abrams, NY
Gail Edward Abrams, NY
Lowel F. Abrams, NY
Elaine Abse, NY
Arnold Gene and Judith Christine Adair, NY
John J Adamovich, NY
Ann Adams, NY
Scott Adams, PA
Waldo H. and Linda Adams, CA
William F. and William J. Adams, NY
Antonino and Pasqualina Afasano, NY
Laura Ahearn-Rau, NY
Bilal and Anbreen Ahmad, NY
Alphonse and Madeline Albanese, NJ
Ludwig J. Albert, NJ
Thomas A and Mary A Albertson, PA
David Alescio, NY
William J. Alex, NY
Christine Alexander, NY
Michael L and Michelle Dirubba Alford, NY
John Alishauskas, NY
Anyrelyce Allen Mossman, NY
Paul W. Allen, Jr., CT
David L. and Bonnie Althiser, NY
Humberto A, Humberto J, and Herminia Alvarez, NJ
Michael H. Alvin and Karen E. Alvin, NY
Walter Amann and Cynthia Amann, NJ
Hephzibah Amaran, Gerard Amaran and
Das Stanley Williams, NY
Salvatore Amato, NY
Anthony and Joann Amorando, CT
Christine Amos, NY
Kenneth and Marie Andersen, TN
George A. Andersen, Lynn A. Andersen, NY
Emily B. Anderson, NY
Emily B. Anderson, Timothy Zanghi, Tyler Zanghi
Stuart Anderson, NY
Benjamin J. Anderson and Jennifer S. Anderson, NY
Steven K. Anderson, Elaine D. Anderson, NY
Alfred R. Anderson, Jr., Et Al, NY
Edward R and Ann M Andreas, NY
Richard W. Andresen, NY
Richard W. Andresen and Gail L. Andresen, NY
Lauren E. Andrews and Elizabeth J. Andrews, NY
Elizabeth F. Ang, NH
Ang Family Trust
Gordon L. Angle, NY
Michael F. Antaki, NY
Jeremiah Apgar, NJ
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Mark E. Archambault, NY
Olon Archer and Kay E. Archer, NY
Jeffrey Arey, MD
D. Arkin, NY
Tom Armao, NY
Keith Armlin, FL
Ward J Arnold Sr, NY
Joseph M Aronow, CA
Michael Aronson, NY
Gloria Arruda, PA
Ronald G. Ashley, NJ
Joseph Audia, NY
Salvatore Audia, NY
Neil and Sima Auerbach, NY
Vanessa L. Aulet, NJ
John Axtell, Charlotte Axtell, NY
Daniel Ayala, NJ
Marshall Ayers, NY
Maureen G. Aylward, PA
James G. Ayres and Jane B. Ayres, NY
James Bacon, NY
Gregory L. and Colleen Badger, NY
Kenneth R. Bagley, Mary A. Bagley, NY
Lois Bailey, NY
Ronald and Sue Bailey, NY
David Bailey and Lona Bailey, NY
Richard E. Bailey II, NY
Laurie Baker, NY
James Baldo, NY
James A Baldo Living Trust, NY
Claude N. Baldwin, NY
P Scott and Deborah A Baldwin, PA
Janis J. Balins, NY
Jean S and John R Ball, PA
Ken Ballard, NY
Richard E. and Kitty L. Ballard, NY
Timothy J. Ballard and Jason A. Ballard, NY
Subject to the Life Use of the John Peter Ballard, Jr. and Barbara L. Ballard
John Peter Ballard, Barbara Ballard, NY
Francis and Fred Ballard, Laura Ballard, NY
John Ballo, Robin Ballo, NY
Ernest M. and Esther M. Banks, NY
James R. and Cynthia Barber, NY
Nicholas J Barbieri and Sallyann McCarty, MD
Robert W. and Virginia L. Bareika, NY
Jody Barile, MT
Joseph Barile, NY
Peter Barker, NY
Seth Barlette, NY
Douglas Barnard, MD
Velda and Gary Barner, NY

Individuals (continued)

Edward Barnes, OR
Anthony Baroni, PA
R Anthony and Linda L Baroni, PA
Lisa Barr, NY
John Barrass, NY
Edward Barsic Jr., NY
Joy Barteski, NY
Barteski Trust
Claude W Bartholomew, NY
Ken Barton, NY
Stephen E. Barton, NY
Duane A. Barton, Kathleen Crawford, Patricia Wayman, and Geraldine Stone, PA
Josephine Basile, NY
Russell Bass, NY
Peter F. Bassett, NY
Neisha P Bassoff, NY
Jonathan R. Baudendistel and Shannon L. Baudendistel, NY
Arthur J. Baudenistel and Rita Baudenistel, NY
Michael and Mary Lee Bauer, GA
Mary Baum, Amanda E. Jordan, and Marilyn Sango-Jordan, NY
Peter T. Baumann and Mary A. Butler, PA
John Baumgarten, NY
Robert A Baumgarten and Joan B. Baumgarten Family Trust
Jeffery J. Baumley, NJ
Bruce A. Baxter, Jr., NJ
Leon Beach, NY
Tim Beach, NY
Jason E. Beach and John E. Beach, NY
Katharine S Beale, NY
Richard L. Beames and Sydney J. Beames, NY
George E. Beardsley, NY
Joseph Paul Beaver, NY
James Becker, FL
John E. and Patricia J. Becker, NY
Kenneth P Becker, NY
Randall F Becker, NY
Randall F and Marjorie R. Becker, NY
Robert Becker, NY
Charles W. Beebe, NY
Michael Beers, Sandra Finley, NY
Cassandra Begos, NY
Roberta J Behnke, NY
Fredrick R Bell, NY
Murray Bell, NY
Gerald Bellingham, NY
Timothy Bender, NY
Kenneth Benfante, NJ
Joseph Benfatta, NY
Richard L. and Dawn Benjamin, NY
Theresa Benjamin, NY
Patricia A. Benkert, NY
Robert R. Benninger, NY
Kenneth D and Bonnie A Benson, NY
Leonard N. Berdan Trust, NY
Joseph Beretz, Jr., NY
David C and Stephanie R Berg, PA
Henry T. Bergmann, NY
Jacqueline Berlant, NY
Albert F. and Deborah A. Bernard, NY
Harold K. Bernhardt, NY
Herman E. Bernhardt, NY
John Bernhardt, FL
Kenneth Alex Bernhardt, NY
Glen T. and Laura J. Bertrand, NY
Subject to the Life Estate of Russell E. Bertrand
Diane Betts, NY
William F. Betz, Patricia Betz, Theresa L. Borst, NY
Milton J. Bevis, NY
John H. and Grace D. Beza, NY
Michael Bianco, NY
Thomas A. Bielawski, NY
Charles A and Janet J Bilby, NY
Robert L and Joanne M Billmers, NJ
Alma L. Binger, NY
Martin and Anne Birley, NY
Lydia Bisaillon, NY
Loretta J and James B Bishop Sr., PA
Peter Biskoroway, NY
Joseph Bivone, NY
Jean Bizot, NY
Clifford Blackburn, NY
Colleen Blacklock, NY
George E. and Ann Blair, NY
Bruce E. Blanchard, PA
Loise E. and Heidi L. Blasetti, NY
Douglas Blood, NJ
Rita Bobry, NY
Robert F. Boehm, NY
Mayumi Boettcher, NY
James C. and Ellen L. Bogardus, NY
Judith Bogner, CT
Michael A. Bohan, Kimberly W., NY
Pamela Bohsung, NY
Theodoros Bolkas, NY
Timothy Bolster, NY
Joseph P III and Annette L Bomba, NY
Nicholas Bonacci, NY
John Bonadio, NY
Bonadio Family Irrevocable Trust
Thomas Bonadio and Elizabeth Bonadio, CT
Gary L and Margaret E Bonker, NY
Martin Booker, NY
Jayne Bordi and Sarah Wells, NY
Edward Bordinger, NY
Ronald D., David and Doris Boreali, NY

Individuals (continued)

Arthur J. Boreali, Jr, NY
Peter and Margaret Borneman, NY
Hermann Bornemann, NY
Alan J. and Theresa L. Borst, NY
John J. III and Michele Borst, NY
John Jacob and Gail Marie Borst, NY
David W. Borthwick, NY
Salvatore Bortuna, NY
Holly Boss, NY
Joseph M. and Joan C. Bott, NY
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Norma C. Bowen, NJ
Gerald Bowne, Barbara H. Bowne, NY
Mary Boyle, NY
James F. Bracken, NY
Helen M. Bradbury Wasnowic and John F. Wasnowic, PA
Charlotte I Bradley, NY
C/O William Miller III
Michael P. and Susan I. Bradley, PA
John T Brady, NY
Trustee of the John T. Brady Trust
Michael L. Brady, NY
Esther R. Brady, Et Al, NY
Christopher Brake and Kim Condon-Brake, NY
Henry Branche and Olive Branche, NY
Jeffrey M. Brand, NY
Lanning Brandel, NY
Walter Bray, NY
James M Bredin, NY
Michael James and Lisa A. Breitbach, NY
Martha Bremer, NY
Drew Brendel, NY
William Brennan, NY
Bradley Briggs, NY
Vernadine Briggs, NY
Garrett Brignoli, NY
Micah and Leigh Brill, NY
Thomas B. and Rosa Brindley, NY
Todd C. Brizzee, NY
Marty Broad, PA
Keith T. Brooks, NY
Addie Brown, NY
Barry J. Brown, NY
David Brown, NY
Kathleen Brown, NY
Mark and Cynthia Brown, NY
Timothy and Amy Brown, NY
Victor W. Brown, NY
Robert L. Brown, NY
Donald P. Brown and Anthony Stella, NY
Timothy Brown, Amy Brown, NY
Robert Bruckman, PA
Arthur and Nancy Brundage, NY
John Brust, NY
Kenneth C. Bryan Jr. and Mary Ann Wollaber-Bryan, NY
Joan O Buchalter, Irving C Buchalter, WA
Kari Buchanan, WA
Daniel Buck, NY
Marcin and Elizabeth Buczel, NY
Danny R. Buel and Naomi N. Buel, NY
Raymond G and Joan E Buenzle, NJ
Harold A. Buman, Gary Buman and Linda Buman, NY
Barbara Buongiorno, NY
Lynn Buono, NY
William L. Jr. and Roberta Burr, NY
Jacqueline Burton, NY
Jean Burton, NY
Terry Burton, NY
C/O Terry and Cynthia Burton, Cynthia Lighthall
Jim Butterfield, NY
Daniel Buttermann, NY
Donald Button Et Al and Matthew Button, PA
Floyd N Byam, Judith A Bynam, NY
Anthony J and Susan Caglioti, NY
Richard Caiati, NY
Thomas Calamuci and Ellen Leigh-Osterberg, NY
Jessica Calder, FL
James and Brenda Caldwell, NJ
Joseph R. and Roxanne Caldwell, NY
Charles Camacho, NY
Anita Cammilleri, NY
Michelle Campanello, NJ
Keith A. Campbell, LA
Dennis and Petrina B. Campo, NY
Leonard Cannella, NY
Richard N. Canniff, NY
Douglas B. and Alice J. Cannistra, NY
Ellen Cantarow, MA
Anthony J. Canute, PA
Greg Capobianco, NY
Gerardo Capozza and Rosa Cappoza, CT
James Carassone, NY
Vincent S. Sr. and Debra S. Cardella, NY
Steven Carella and Robin cMistrette-Snider, NY
Benjamin T. Carey, Joann M Carey, NY
Mario and Maria Carino, NY
Florence Carnahan, NY
Anthony Caro, NY
Clement and Jeanne Caron, NY
Anthony A. Carpanini, NJ
Ellen Carpenter, NY
George F. Carpenter, PA
Russell M. Carpenter, Judith R. Carpenter, and George F. Carpenter, PA

Individuals (continued)

Ruth Carr, NY
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Douglas CarverDavid and Gloria Deininger, PA, NY
Rita Casassa, NY
Robert H. Case, NY
Seth B. and Stephanie L. Casey, NY
Chris Casper, WI
Joan Virgilio Cass, NY
Roberta Cass Rev. Trust, NY
Joanne Casso, NY
Jamie Castellanos, NJ
Glenn Castelli, NY
Gaetano (Tom) Catapano, NY
Bajram and Came Causevic, NY
Sami Causevic, NY
Angel L. Celpa and Robert Braun, NY
Lou Centolanza, NY
George and Moria Jan Hummel Cernusca, PA
Mark Cerosaletti, NY
Paul E. Cerosaletti and Amy R. Cerosaletti, NY
Charles Cerosaletti, Marilyn Cerosaletti, NY
Elizabeth J. Chader and Stephen D and Warren and Norine Chader Trust, AZ
Max Chaiet, NY
Trevor Chaisson, Sharon L. Allen, NY
Donald C and Helen E Chamberlain, NY
Thomas Chamberlain, NY
Frank Chamberlin IV, NY
Donald Chambers and Lloyd M. Chambers, NY
Robert Chapman, NY
Thomas Chapman and Deborah A. Puza-Jensen, NY
Jonathan S. Chasan, NY
John W. Chase, Jr. and Kerry K. Chase, NY
Lois Chernin, NY
Edward and Gwen M. Chianese, PA
Paul T. Chiaramonte and Lois G. Chiaramonte, NJ
Gilbert L. and Nancy E. Chichester, NY
Dale Chidester, PA
Eugene and Ida Chidester, PA
Kathi Chipman, FL
Kathi Chipman, NY
Joseph Chirichella and Suzanne E. Girimonti, NY
David Chiusano, NJ
Kennon Christel, NY
Danette D. Christensen, NY
Theodore A. Christensen and Mary Ann Christensen, MD
Grace M. Chumacas Living Trust, NY
Steve W. and Annie M Chung, NY
Angelo Ciaccio, James Sforza, and Richard Finno, NY
William Ciaramello and Joseph Ervolino, NY
Rocco Ciardiello, NY
Dominick Ciardullo, NY
Robert and Ann Ciarelli, NY
Robert and Lori Ciccotelli, NY
Andrew Ciesluk, NY
Erika Ciganik, CT
Frank and Gina Cimine, NY
Luigi and Francesco Cinquemani and Maria Cinquemani-Messina, NY
Joseph and Yolanda Cinquemani, Jr., NY
Joseph Cinquemani, Yolanda Cinquemani, NY
Michael and Carmelita Ciocia, NY
Joanne Cipolla-Dennis, NY
Eamonn J. Clancy, NY
Kenneth Clapper, NY
Joyce A. Clapper, Carl H. Clapper, Kenneth L. Clapper, Margie L. Clapper, NY
David Clark, NY
Peter Clark, NY
Jennifer Classon, NY
Diane Clausen, NY
Helen Clement, NY
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Patricia A Coiro, NY
Bret L. and Misao Coladner, NY
Robert Coleman, NY
Fabio Collazos, NY
Charlotte Collett, NY
Earl W. Colley, NY
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Pasquale Conte, NY
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Thomas R. and Brenda Cook, NY
Wallace James Cook, FL
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Individuals (continued)

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Julie Cousin, NY
Patricia Coyle, NY
J. Robert and Lauren Craig, NY
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James Crawford, NY
Claude Crispell, NY
Andrew Crittenden and David Crittenden, PA
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Cindy S. Cross, NY
Gerald Carl Cross, NY
David B. Crossley, David E. Crossley and Brandon J. Reed, NJ
Susan and Joe Crua, NY
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Karen Cuccinello, NY
Betsy Westad Cunningham, NY
Sanya Cupic, Trustee, TX
Zoran Cupic Life Insurance Trust
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Pamela Curtin, NY
Pietro Curto, NY
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Stephen Czachor, NY
Frank Czyzewski, NJ
Alan and Colette Daab, NY
Lionel and Freda Dacosta, NY
Mark S and Frances M D'Agostino, NY
Mark R. Dahl, NY
Christine Devine Dailey, NY
Peter M. Dalaker, NY
Richard and Maureen Daley, NY
Ronald Daly, NY
Konstantinos N. Danalis, NY
Antone Daoud, NY
Heather Darling, NY
Robert and Ella Darrow, PA
Dennis L. Daskalakis, NY
Vincent D'Attolico, NY
Robert Davenport, PA
Lori Ann Davenport, Robert Davenport, PA
Dona Davey, NY
Vincent and Josephine Davi, NY
Lillian G Davies, PA
Kathryn Davino, NY
Darren C Davis, NY
David and Margaret Davis, NY
Lennard Davis, NY
Sandra Davis, NY
Charles F. Davis and Carolyn R. Davis, NY
Katherine Dawson, NY
Antonie de Long, NY
Daniel De Masi, NY
James J. and Dorothy A. Dean, NY
Jeffrey E. Dean and Priscilla E. Dean, NY
Gary Decarlo, NY
Nicholas Decarlo and Susan Decarlo, NJ
Loreto Deciantis and Rosina Deciantis, NY
Arthur Decker, NY
Clifford & April Decker, NY
Clifford A Decker, NY
George Decker, NY
Randy D and Lou Ann Decker, PA
Robert L. Decker, NY
Dennis Decker and Linda Decker, NY
William S. Decker and Robin D. Decker, NY
John C. Deckert, NY
Dennis J. Dedek, NY
Angela and Diane Dedominicis, NY
Anthony J Dedominicis, NY
Ciro F. and Beverly J. Defilippo, NY
Margaret Defilippo, NY
Andrew P. Deforest, NY
Laverne E. Deforest and Patricia A. Deforest, NY
Douglas and Tammy Deigert, NJ
Denise and Donald Delaney, NY
Mark L and Susan K Delello, NY
Robert Dellue, NY
Ronald F. Demarino and Catherine W. Porter, NY
Fiore DeMatteis, NY
Joseph Dematto and Philip J. Notto, PA
Thomas and Carol Demeola, NY
Benjamin Demott, Katherine Demott, NY
Judith E Dennis, PA
Daniel E and Jane M Denny, Jr., PA
Daniel E. and Jane M. Denny, Jr., PA
Walter and Judith Denton, NY
Todd W. and Bobbie A Depew, NY
Michael J. and Nieves Depinto, NY
Gregory and Caterina Derkasch, FL
Roger J. and Helga B. Deroziere, NY
Michael Desantis, NY
Jeanne Desousa and Michael L. Brizzee, NY

Individuals (continued)

Karen Detert, NY
Frederick G and Margaret A Deutcsh, NY
Marybeth Dewitt, PA
Jean Diamantis-Bizot and Diana Modica, NY
Thomas Diamond, NY
Alton and Grace Diamond, NY
Rodney J. Diamond and Michelle L. Parks, NY
Sharon Dianich, NY
Filomena Dibiasi, NY
David C Dickerson, NY
Thomas Dickson, NY
Jack DiGirolamo, NY
John R. Dilullo, PA
Gene Dimarco, NY
Dennis P and Elke A DiMattia, NY
Scott A. and Sandra A. Dimick, NY
Wesley R. Dimmick, NY
William Dion, NY
Michael DiPasquale, NY
Rodney E. Dirig and Dianne Dirig, NY
Robert Dittrich, FL
Brian Dobbs, MD
Michael Doherty, NY
David Dolack and Margaret McCarthy, NJ
Dave Dolan, NY
Alfonso Dolgetta, NY
Benedict J. Donaghy, NY
James G. Donegan, NJ
Ethan Cole Donnelly and Cheyenne Danielle Donnelly, NY
Peter E. Donnelly and Eva A. Donnelly, CT
Anthony J Donnolo, NY
Michael and Sherri Donovan, NY
David E. and Warren E. Doolittle, NY
Lawrence Doriguzzi, NY
John P. Dougherty, NY
Joseph P. and Nora M. Dougherty, NY
John H. T. Dow, Jr. and Roselynn S. Dow, NY Trustees of the Evelyn Smith Dow Living Trust Agreement
Daniel C. and Karen A. Doyle, NY
Nancy H. Doyle, NY
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Judianne Drebitko, NY
James T. and Iracema Drew, Jr., NY
Tom Driscoll, NY
Colette Duab and Alan Duab, NY
Antonio Duardo, NJ
Tadeusz Dubicki and Danuta Fazzalari, NY
Stanley Ducharme, NY
Stanley Dudek and Margaret A. Dudek, PA
Michael Dudley, NY
Valerie Dudley, NY
Shawn Dunmire, NY
Harold Dupont, NY
Patrick and Susan L. Durcan, NY
Judith Relyea and Robert Durland, NY
Ashutush Dutt, NY Attn: Raji Muragali M.D.
Maizis Dye, NY
Thomas C. Earle, NY
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Christopher Eastman, NY
Charles Eckel, NJ
Charles and Nancy Eckel, Timothy and Lynn Eckel, NJ
Christine and Richard Eckerson, NY
Richard C. Eckerson and Christine Eckerson, NY
June Edelstein, NY
Stacie Edick, NY
Bruce Edwards, PA
Harold Edwards, NY
Frank D. Egitto, NY
Frederick H and Ilse Ehmann, Jr., PA
Adam Eilenberg, NY
Fredericka N Ellis, NY
Karen Ellis, NY
Donna Elmendorf, NY
Barbara Elmore, NY
Hoyt Emmons, NY
Michael Empey, NY
Frederick F. Jr and Barbara G. Enck, NY
William F. Jr and Nancy B. Engel, NY
Timothy Englert, NY
Arnold L. and Margret E. English, NY
Robert E. and Joan K. English, MI
Joseph Eppich and Joseph Eppich Jr., NY
Russ Erath, NY
Muge Eriksson, NY
Pablo Escotto, NY
John C. Esposito, NY
Kathleen M. Estabrook, PA
Gerald Euker, NY
Vickie J. Evans Et Al and Marjorie Evans, NY
Claucine Evans, Et Al and Marjorie Evans, Arthur H. Summers and Cyrena M. Summers, NY
Merritt W. Every, NY
Alex Evreinov and Patricia Evreinov, NY
Jack L. Ewen, Jann G. Ewen, Todd Joseph Ewen, NY
John Ezzo, NY
David Fagan, NY
Joseph Fagan, NY
Attilio Fagnani, NY
Matthew and Theresa Fagnani, NY
Douglas Fague, VA
Douglas Fague, NY
Matthew Faiella, Dolores Faiella, Edward R. Wilkinson, Rosemary T. Wilkinson, NY

Individuals (continued)

Robert and Kim E. Failcowitz and Wayne B. Latta, NJ
Ronnie Faile, NC
William J. Fairbairn and Stacia E. Bryant, NY
Nicholas Jr and Thomas Falcicchio, NY
Dina Falconi, NY
Kenneth A. and Michele Faljean, NY
Stephen Fancher, NY
Pat Farnelli, PA
Wells M. and Elizabeth A Farr, NY
Jessica Farrell, NY
Thomas J and Christine Farrelly, PA
Michele K. Fass, NY
Mario I. Fasullo, NY
Peter Fauth, NY
Ilario Fazzolari, NY
Kristina Fedorov, NY
Stephen G. Feeney, NY
Terry J Fees and Kimberly Brand, NY
Krista and Charles Feezel, MD
Margaret M. Feinberg, NY
Margaret M. Feinberg and Lawrence T. Feinberg, NY
John P Felleman, NY
Barbara J Fenescey and Neir Scott and Cora Starr, PA
Stephen Feney, NY
Richard A. Ferguson, Mary A. Ferguson, NY
Belinda Feris, NY
Guy Fernbacher, NY
Anne Fettel, Trustee, CA
Peter E. Fetzer, Jr., NY
Horst and Margrit Fierek, NY
Bert W. and Sally A. Finch, NY
Barton S. and Brideen Finegan, CT
Frank Fini, NY
Mary Finneran, NY
Jerry and Michelle Fiore, NY
Dawn Fiorillo, NY
Joanne Fiorito, PA
Kenneth C. and Hyuncha Fischer, NY
Lynn Fischer, NY
Richard and Donna Fisher, NY
Theodore C and Laura J Fisher, NY
Ben Fishner, NY
Robert J. Fitzpatrick and Cheryl L. Fitzpatrick, NJ
Robert G. Fletcher, Jr., NY
Gary J. and Cheryl A. Fleury, NY
Michael Foland, NY
Carl Foland and Linda Beach-Foland, NY
William C. and Karen D. Foose, NJ
Michael S. Ford, NY
Louis and Anna Fortuna Et Al and David Deininger, PA
Gloria Foster, NY
Timothy J. Foster and Amy Lynne Fletcher, NY
Wahnetay Fountain, NJ
Lawson R. and Patricia Lee Fowble, NY
Michele Fox, NY
Stephen W. Francis, NY
Susan Franck, IL
Thomas James Francke, NY
Niki Frantzis, NY
John M. Frasca, NY
Lance P Frasier and Sandra F. Lory, NY
Rodney D Frazier, NY
Stephen T. Freeman, NY
James A. Fretto and Anthony Damiano, NY
Michael M Freyer, NY
Elizabeth S Friedberg and Richard Steven Friedberg, NY
John R and Catherine J Frisch, NY
Christiana Frye, NY
Michael Frys, NY
Gregory Furlong, NY
Joseph Fydenkevez, NY
Kittie M. Gabaccia, NY
Trustee of the Kittie M. Gabaccia Living Trust
Stephen J. Gabaly, NY
Joseph M. and Phyllis D. Gable, NY
George E. and Georgia A. Gabrielsen, NY
Tom Gabrielson, NY
Joyal Gael and Jane Rogers, NY
James Gaida, NY
James G. and Terrie L. Gaida, NY
Charles B Gaines, NY
Gregory Galano, NY
Martin A. Jr Galasso, NY
Catherine M. Gallagher, NY
James L. Gallagher, Et Al, MA
Casey R. Galley, NY
Glen L. Galley, NY
John R and Maria L Galli, NY
Robert W Gannon, NY
Dale Allen Garnett, Stephen Allen Garnett and Nichole A. Garnett, PA
Rachelle Garniez, NY
Peter V. Gatto, NY
Noreen A. Gawley, Judy M. Gawley, Denis J. Gawley and Michael P. Gawley, NY
Gerard Gawlowski and Gregory Locaso, NY
Alan M. Gaydorus and Colleen C. Gaydorus, NY
Allison Gentile, NY
Daniel Gentile, NY
Daniel and Diana L Gentile, NY
Russell A Germond and Carolyn Tolley, NY
Robert L. Gerstner, NY

Individuals (continued)

Agel Ghaleb, NY
Deborah Giakoumis, NY
Joseph F. and Maureen J. Giallanzo, NY
Mary Ann Giannico, NY
Anthony Giannico and Peter Marzziotti, Jr., NY
Robert J. Giarrusso, NY
James and Paula Gibson, CT
Mark Giese, WI
Agnes P. Giesin Estate, NY
Anthony P. Giordano, NY
John J. Giordano and Christine Giordano, NY
Trustees of the Giordano Living Trust
James M. and Sharon L. Glath, PA
Robert Glendenning, NY
Sean Glennon, NY
Diane M. Glover, CO
Philip Gloviak, IL
Richard and Joanne Godas, NY
Robert R and Maria Godas, NY
Bruce Goddard, NY
Robert E Goellner, Lillian P Goellner, NJ
Michael and Heidi Gogins, NY
Helmuth A. and Lois Golda, NY
David Goldberg, NY
Suzanne H. and Harry Goldman, SC
Ralph A. Gombach and Mary N. Gombach, NY
Hamilton Goncalves and Sandra L. Lenzi, NJ
Joseph and Dorothy Gonzalez, NY
Barbara Goodfellow, NY
Brian and Shirley Goodfellow, NY
Margaret Goodfellow, NY
Erik Goodrich, NY
Noel A. Goodspeed, Jennifer L. Goodspeed, NY
Robert Gormsen and James Collins, NY
John and Peg Gorsin, NY
Melvin C. and Martha L. Gorton, NY
Edna Goss, NY
Roert and Donna I. Gosselink, NY
Brian L. Goth, NY
Linda-Lee M. Gould and John W Abraham, NY
Robert J. Govel, NY
Charles G Goy, NY
Renee Grabowski, NY
Timothy and Marguerite Grady, NY
James Grant and Patricia Kavanagh, NY
Eleanor Grass, NY
Scott Gravelin, NY
John M. Graves, NY
Terry Graves, NY
James Gravina and Laura Gravina, NY
Margaret Gray, NY
Ronald Grazier, NY
Marianna Greco, PA
Marianna Greco, PA
David Green, NY
Henry C. Greenblatt, Cindy L. Brooking, NY
Edward Greene, Jr. and Edward B. Greene III, PA
Richard E. and Lynn W. Greenway, NY
John Gregorat, NY
Remigio and Jacqueline Gregorat, NY
Frank Gremsperger, NJ
Laurel Greyson, NY
Arsen Grgas and Vedrana Grgas, NY
Richard G. Griffin, NY
John Grigoli, NY
John Grigoli, Jr., NY
Simone Grimaldi, NY
William Grimes, Jeanette M. Grimes, NY
David and Karen Grizzanti, PA
Gary J. Grob, NY
Jack Grob, NJ
James N. Groshans, NY
Dale A. Grover, NY
Daniel Guasp, NY
Brendan Guastella, NY
Richard Guernsey, NY
Sherwood H. Guernsey, NY
Clemencia Guillem, NY
Ingrid Guiter, NY
Michael Gumpel, Jeffrey Klein, NY
Carol Gundlach, NY
Alvin Gunneson, NJ
Roger Gural, NY
Roger Gural And Sigrid E. Gural, NY
James R. Gurga, NY
August Guse, NJ
Arthur Gustafson, NY
Raymond and Roma Haag, NY
Jay Hager, NY
Paul G. Hahn, NY
Sandra Haigh, NY
Beryl Haley, PA
David and Christine Hall, PA
Debra Hall, NY
Herman Hall, NY
James and Erica L. Hall, NY
Ronald D and Joyce Hall, PA
Michael J. Hall and Deborah Hall, NY
Douglas J. Hall and Warren J. Sullivan, NY
Michael Ham, NY
Larry R. and Deborah Hamm, NY
Keith Hammecker, NY
David J and Charles H Hamwey, NY
Margaret E. Hamwey, Janice M. Smith, Timothy A. Hamwey, NY
Scott Handy and Jodi Bell, NY

Individuals (continued)

Benjamin S. Haney and Laura B. Haney and Steven S. Haney, NY
Sashaba Hanlon, NY
Gerald E and Dolores S Hannigan, PA
Zbigniew Harasimowicz, NY
Cassandra Hardendorf, NY
C/O Carl Savage, Carol Adams
Charles W and Barbara S Harding, NY
Barbara F. Harju and Joseph M. Freiss, NY
Trustees of the Barbara F. Harju Trust
Robert Harlem Jr., NY
Robert Harms, NY
Cynthia S. Harrington, NY
Stephen A. Harris, NY
Clarence Harrison, NY
Leanne Harrison, NY
Ali Hart, CA
Ron Harting, NY
Thor Hartten, NJ
Inga Hartwich, NY
Harry J. Hartz and Lynn L. Hartz, NY
Ty Harvey, Naho Harvey, TX
Georgette Hasch, NJ
Jeffrey and Michael and Raymond Hatala, PA
Floyd J. and Heather A. Hatllee, FL
Hatlee Family Trust
Spiridon and Dionysios Lekatsas Hatsiandreu, NY
Ethel Bessie Hausch, NY
Andrew Havas, NY
Katherine Hawkins, NY
Milford J. Hayes, NY
Mark Hayes Sr., NY
William Hayman, NY
Barbara Haynes, NY
George Haynes, NY
Betty Head, NY
Teri Winzinger Healy, NY
James V. Heaney, NY
Thomas Heaney, NJ
Kevin Heatley, PA
Deborah Hecht, NY
Richard A. Heeder, Jr., CO
David Hegi and Mary Hegi, NJ
John Hegyi and Nancy Kim Hegyi, NY
Jason Heiser and Maggie Heiser, NY
Richard H. Helm, IL
Scott Helmstadt, NY
Thomas R. Helmstadt, NY
Hugh and Betty Henderson, NY
James Stephen Henderson, Et Al, NY
Cyndi and Grady Hendrickson, NY
James E and Leslie J Henry, NJ
James Edward Henry, PA
James Edward Henry, NJ
Charles Warren Henshall, NJ
Allyson Hensley, NJ
Elizabeth Henson, NY
Robert F. Herodes, NY
Joseph F. and Susan J. Hess, NY
Kevin Hession, NY
Paul E. Heusinger, SC
Paul R and Todd Michael Heyn, NY
Charles B and Charles S Hild, CT
John Hill, NY
Richard Hill, NY
James E. and Tracy A. Himme, NY
Mark and Amy Hine, PA
Don and Catherine Hines, PA
Robert F. Hinkley, Andrew Hinkley, NY
Jeffrey D. Hoal, PA
Ellis R and Elaine M Hobart, PA
Gary and Sandra Hodne, NY
Wayne K. and Lisa R. Hoffman, NY
Sam Hogan, NY
Claude & Hilda Holbrook, NY
Lorraine Holden, Austrailia
Leo Holder, NY
Gillian Holland, NY
Wendy Hollander, NY
Catherine Holleran, PA
Betty Holt, NY
Robert D. Holt, NY
Annette Homauer, NY
Mitro Hood, MD
Kathleen S. Hoover, NY
Ann Horan, NY
Annemarie Hosnedl, NY
Donald and Rose L. Hotaling, NY
John M. Hotaling, VA
Mahlon H. Jr and Robin M. Houston, NY
Roy T. Howard and Evelyn Howard, NY
Anne Howarth, AZ
Richard J. and Karen Hower, PA
Robert C. and Nancy Joyce Hower, PA
Tom Hownes, NY
Jean Hricik, NY
Laverne C and Floradel Hubbard, NY
Peter Hudiburg, NY
Justin Hughes, NY
Patricia Hughes, NY
Robert Jesse Hummer, Jr. and William George Hummer, NJ
John P. and Kay L. Humphrey, NY
Robert T. and Sharon Humphrey, NY
Gregory Hurd and Larry Stanley, NY
Douglas A and David A Hurlburt, NY
Susan Hurley, NY
William and Ingrid Husam, NY

Individuals (continued)

Sylvester J. and Pauline C. Huse, NY
June H Huston, PA
Robin Lee Huston, PA
Kathleen Hutchens, NY
David Hutchison, NY
Chad and Jami Hyndshaw, PA
Annabel Ibanez, NY
Gordon Ichikawa, NY
Leslie Inga, NY
Steven D. Ingalls and Berna L. Ingalls, NY
Rachel Ingram, NY
Kevin R. Ingram and Laura D. Calcaterra, NY
Michael A and Catherine Inserillo, NY
Charalambos and Christiana Ioannou, NY
Anita Iodice, NY
Teresa Iovino, TN
Marguerite Ireland, NY
Marion Ireland, NY
Richard F. Irwin, NY
Keith L and Linda A Isles, NY
Wendelin Jac and Gracie Ann Jablonowski, NY
Todd E Jackson, NY
Kenneth Jaffe, NY
Peter M and Joan M Janicelli, PA
Anna Janiszewski, NY
Margo Paige Temple Jansen, MA
Michael Jaqueway, NY
Karen Jarboe, MD
Michael and Teresa C. Jarvis, NY
June Jasen, NY
Veganeh Javadt, NY
David Jenkins, NY
Bart C and Wendy L Jennings, PA
Bret Jennings, PA
Charles Jensen Jr., and Deborah A. Puza-Jensen, NY
Charles Jensen, Jr., NY
Marvin F Jester, NY
Marvin K Jester, NY
Douglas John, D.C.
John and Hengerer
Harold Johnson, NY
Lee A. and Diana Johnson, NY
Mark C. and Ellen M. Johnson, NY
Charles K. and Sabrina L. Johnston, NJ
Jean Jones, NY
Roger Jones, NY
Robin P. and Helene D. Jorgensen, NY
Charley L. and Heidi M. Joslin, NY
John G. Julia, PA
Frank C Kahrs, NY
Ethel Dolores Kaiser, NY
Lawrence Kaiser and Margaret Feinberg, NY
Steve Kakh, NY
Maria Kaltenbach, NY
Fannie E. Kamp, NY
Bruce Kamrowski, NY
Brian E. and Celestina M. Kane, NY
Brian W Kane, NY
Edward Kane, NY
Timothy Kane, NY
Patricia Kanischak, Charles Pirog, Peter Pirog, NJ
Betty Kaplan and Kenneth Kaplan, NY
Joseph and Florence Kaputa, PA
Steven Karagiannis and Evan Karagiannis, NY
Stanislawa Karcz, NJ
Michael and Martha J. Karker, NY
Friedel and Anneliese Karl, NY
George Karlewicz, NY
Lawrence Karp, PA
Scott M. Katen, NY
Richard Kathmann, NY
Melanie Katz, CT
Leonard Kazel Sr., NY
Don Kazmark, NY
Theodore Kazmierczak, PA
Thomas Keane, NY
David Keenan, NY
Charles R. Keesler, NY
Stanley J and Donna G Keever, NY
Randall Keller, NY
Terry Keller, NY
Todd M. Kelley, NY
Dennis C. Kelly, NY
Shirley K. Kelly, NY
The Wilma J. Kelsey 2012 Irrevocable Family Trust, NY
Kenneth and Jean E. Kelso, NY
Maria E. Kelso, NY
John P Kemmeren, NY
David A and Lori J. Kemmerer, NY
Roger D. and Cynthia I. Kennedy, NY
Colm J. Kennedy and Patricia F. Clancy, NY
Frederick W. Kennedy, Sr., NY
Kenneth K. Kent, NY
Catherine Kernan, MA
Henry S. Kernan Land Trust
Devereux Kernan, NY
Henry S. Kernan Land Trust
Patricia Kernan, NY
Henry S. Kernan Land Trust
Henry S. Kernan Land Trust, NY
Devin Kerr, NY
Douglas Kerr, NY
Thomas E. and Barbara Kerr, NY
Jennie Kerwood, NY
Brendan Keys, NY
Ilse Keyser and Donald Martin, NY

Individuals (continued)

Michael Kibalo, NJ
Richard F and Janice S Kiesznowski, NY
Patrick and Patricia Kilpeck, NY
Charles Kime, NM
Charles E and Marsha L Kime, PA
Clinton A. King, NY
Harvey M. and Jane A. King, NY
Jane A. King Family Trust
Mark King, NY
Melissa M. King, NY
Penelope King, NY
Richard King, NY
Wanda J King, NY
Wendy Kingsland, NY
Timothy E. Kinter and Terri L. Kinter, NY
Vl Kintz, NY
Stephen J. Kirby, Sr., PA
Richard M and Michelene Y Klim, PA
Gary B. Kline and Maureen Kline, PA
Steven W. Klugh, NY
Debra Knapp, NY
James W. and Leah Knapp, NY
Virginia M. Knight, NC
Eugene E. and John and Kenneth and Todd Knoebel, NY
Daniel E. Koch, NY
Kevin Koch, NY
Richard J. Kocsis, NY
Stephen E. Kompass, NY
Phil Konigsberg, NY
George P. and Nancy K. Konta, NY
Peter Koopmann, NY
Richard Koppenaal, NY
John J. Korbul, NY
Thomas Korbul, NY
Alexandra Korsok, OH
Steven Kos, NY
Peter and Katherine Koska, NY
Paul Kovacs, FL
Stanislew and Janina Kowalczyk, NY
Helen M. Kozlowski and Edward J. Kozlowski, III, PA
Joseph D. Kraus, NY
Joseph K II and Sally J. Krimmel, PA
Janis E. Krohn, NY
John C. Krol, NY
Kenneth J. Krugaluk, NY
Sandra A Kruglak, NY
Michael Krusinski, NY
Anne Kruzinski, NY
William E. Kuehnle, NY
Frank R. and Phyllis H. Kuhn, NY
John Kukowski, PA
Erhard and Kathleen Kuntze, NY
Anthony J. Kurutz and Vivian Williams-Kurutz, NY
Adrian Kuzminski, NY
Richard Lacey, NY
Jane and Frank Lacko, NY
Adolfo Lacola, NY
Paul Lahullier, NJ
Chelsea Laible, NY
Stephen Lancia, CT
Charles H. Langdon, Jr., PA
John C. and Patricia Langen, NY
Robert B. Lansing, NY
George Lape, NY
George H. and Rosemary Lape, NY
Joel K. and Amber Lape, NY
Judy K. Lape, NY
William R and Teresa M. Lape, NY
Gerald J. and Judy K. Lape and Bruce R and Suzanne R Stevens, NY
Robert C. Laporta, Jr., NY
Carver Laraway, NY
Pat Lareh, NY
Kevin Larmon and Anthony Porcelli, NY
Kenneth Larson, Karen Larson, NY
John M. Lasala, NY
John W. Lasher, PA
Bryant Latourette, NY
Aimee L. Lauterbach, NY
Margaret B. Lavigueur and Beth Ann Van Sandt, AK
Laurie K. Lavoy, NY
Jeffrey M. Lawrence, NY
William Lawrence, NY
George and Janet Lawton, NY
Edwin R. Lawton and George K. Lawton, NY
A. Edwin Lawyer, NY
Chad and Stephanie Lawyer, NY
Fred Jr. and Linda Lawyer, NY
James Lawyer, NY
Kathleen P. Lawyer, NY
Kenneth Lawyer, NY
Roger Lawyer Jr., NY
Cynthia Lay, NY
Helen Leap, NY
Christopher and Barbara Leavey, NJ
Martin Lebenson, NY
Edwin Leber, NY
Caroline F. Lebmo and Hill Thorpe, NY
Michele Lechanteur, NY
Paul W. Lee, NY
Robert A and Susan A Lee, PA
Wing Lee, NY

Individuals (continued)

Burdette Lee and Frances B. Lee, NY
Michael Leforce, NY
Wayne Leidecker, NY
Andra Leimanis, NY
J. Fred Leith, NY
Marinko and Rochelle Lemut, PA
Francesco and Diane Leone, NJ
Brian J. Leopold, NJ
Esther Lerman, NY
Barbara Lester, NY
Jean M. Letennier, NY
Margaret Lettis, NY
Carmela Leva, NY
Ercole Leva, Et Al, NY
Valentina Levic, NY
Clifton Levine, NY
Richard Levine, NY
Michael C. and Michele F. Levitch, FL
Richard M. Lewis, NY
Salvatore and Kimberly Liardo, NY
Donald P. Libby, NY
Andrew P. Liberante, NY
Anthony Licenziato, NY
Paul Liddle, NY
Silvano and Giuliana Ligniti, NY
Debarah Limacher, AK
Howard L Linder, Trustee, NJ
Lori Lindsley, NY
Judith Linhares, NY
Matthew Linsalata, Andrew Linsalata, NY
Beth Linskey, NY
Carmine Liparulo and Maria Liparulo, NY
Ethel Little, NY
Gary L. Little, NY
Thomas and Kathleen Livingston, NY
Dennis Lockwell, NY
Harold J. Sr. and Marie A. Loder, NY
James and Tamera L. Loder, NY
Julie A. Loder, NY
Marie A. Loder, NY
Matthew Loder, NY
C/O Vicki L Teetsel
Harold J. Loder Jr and James E Loder, NY
James E. and Harold J. Loder, Jr., NY
Ann Lodovice, NY
Barbara Loeffler, NY
Mario Lofaro, NY
Kenneth and Darlene Loiacono, NY
Mick and Lisa Lombardi-Bello, NY
Wendy Long, NY
Stanley H Long, Jr. and Arlita H. Robinson, PA
Ryszard J. and Grzegorz Los, NY
Warren and Doris Lott, NY
Todd M. Loucks, NY
Erika A. Loucks, Vincent and Allison Sanganetti, NY
Luther B. Lowe, NY
Peter and Joan M. Lucas, NY
Ricardo and Kathleen Lucchetti, NY
Robert E. and Sandra K. Luh, NJ
Richard and Jayne Lule, NY
William J. and Ariel L. Lum, NY
Victor Lupo, NY
Anne Marie Lusins, NY
Flying Changes B&B, LLC
Robert Lutz, Eric Lutz, NY
David Luxem, WA
John Lymn, NY
Thomas D. Lynch, NY
Kenneth E. Lyons, NY
Bruce MacDuffie, NY
William G. and Florence Macintosh, NJ
Stephen and Laurie Mackenzie, NY
James Maddalone, NY
Alan Madden, GA
C/O Bruce Madden
Frank Joseph Madl, NY
Norman C Madore, NY
Norman C. and Allyn J. Madore, NY
Peter M. Maguire, NY
Louise Maher-Johnson, NY
Philip Mahla, NY
Joe Mahoney, NY
Mark Major, NY
Priscilla Irene Major, NY
Alton D. Makely, NY
Alfred Malave and Louis Ortega, NY
Caroline B. Malinchak, PA
David Maloof, PA
Floyd A and Valarie S Manchester, NY
Maureen Manchester, NY
Danny and Jan A. Mancini, NY
Jean Manley, NY
William C and Jean M Manley, NY
Robert H. Mann, NY
David Mann, Sally Mann, NY
Lee A. and Rebecca S. Manson, NY
Timothy E. Manz, NY
Charles J and Marlene Manzo, NY
Linda and David E Maranville, NY
Joseph M. Marchese, NY
William J. Margeson, Beverly B. Margeson, NY
Dr. Glen and Rhonda Marin, NY
Giuseppe Marino, NY
Daniel J and Stacie M Mark, NY
Loddie Marsh, NY
Lynn Ellen Marsh, NY

Individuals (continued)

Raymond and Janet Marsh, NY
Donald H and Alice C Marshall, NY
Emma May Marshall, NJ
Andrew D. Marshall and Debra S. Rickard, NY
John Taylor Marshall Family Trust, NJ
Henry Marshall Sr., Wendy Bouck, Marilyn N. Kehrer, Brenda J. Lawyer, Marianne Leblanc, Gregory L. Marshall, Kyle D. Marshall, Christine A. Schroeder, NY
Richard Marsiglia and Theresa Marsiglia, NY
Carol Martin, NY
Caroline Martin, NY
Debbie Martin, PA
Manuel E. Martin, NY
Joe Martin and Judith Wood, NY
Joe Martinez and Eileen Martinez, NY
Richard N. and Phyllis E. Marzolf, NY
Peter G and Rosemary Marzziotti, NY
Donald and William Mason and Lesley May Vaitekanus, NY
Eric and Sara Masterson, NY
Amanda L. Matteson, NY
Ruth Mattice, NY
Robert Mattinson, NY
Shawn E. and Kerry C. Mattison, NY
Lillian Mau, NY
Robert E. and Janice M. Mau, NY
Walter G and Patricia T. Mau, Jr., NY
Peter M. Mauhs, NY
John P and Julia L Maxwell, PA
James Mayer, NY
Lorenz A. Mayer, VA
Herbert F. and Edna M. Mayne, NY
Joseph Mayott, NY
C/O Robert F. and Diane L. Mayott
Lawrence Mazza, NY
Ryan McAllister, NY
Daniel and Nicole McBride, NY
William D and Kathie Strobel McCabe, NY
Salvatore McCagnano and Irene P. McCagnano, NJ
Alfred McCall, NY
Joann McCann, NY
Joan McCarthy, NY
Joan M McCarthy, NY
Rosemary McCarthy, NY
Kathleen M. McClaine, NY
Hugh and Theresa M. McCollum, PA
Robert McCormack, NY
Philip D. and Mary E. McCorriston, PA
John F McCoy, PA
Thomas J. McCoy and Helen F. McCoy, Et Al, PA
Bonnie McDermott, NY
C/O Bonnie Zanger
Carl D. McDonald, NY
Mary McDowell, NY
Logan M. McDuffey, NY
William J McGill, NY
McGill Family Trust
William J and Elaine McGinness, NY
Kirsten McGiver, NY
Rod McGrath, NY
John McGreen, NY
Bruce McGregor, NY
Charles and Karen McGroary, NY
Eileen McInereney, NJ
Eugene C. McIntyre, NY
Laura McIntyre, NJ
Marian McKenna, NY
Holly McKinney, CO
Dennis A and Doreen L McMahon, NY
John J. McManus, NY
Philip G. McManus, NY
Robert McMorris, NY
Brian and Corinne A McNamara, NY
Michael J and Gloria A McNamara, NY
Denis M and Deborah M McNamee, PA
Kathleen Ann McSparin Et Al, NJ
C/O Michael McNerney
Edwin Mead, PA
Leon Mead, NY
Lyla R. Meader, NY
Michael E. Meadows and Debbie Paden, NY
Nelson and Janice M. Medynec, PA
Skender and Sadija Mehmedovic, NY
Daniel Mencucci, NY
John A. and Theresa A. Mendence and Philip Mendence, CT
Jose P Mendoza, Jr. Et Al, NJ
William Menzies, NY
Matt Mercier, NY
Sarah Meredith, NY
Kimberly D. Merenz, NY
Anthony and Marie A Meringolo, NY
Neal H. Merrihew, NY
Joseph Merwin, NY
Walter B. Merwin, NY
Mildred E. Merwin, Douglas B. Merwin, NY
Alan Mesec, NY
Rocco Mesiti, NY
Thomas Messineo, NY
Michael Meszaros and George J. Meszaros, Jr., NY
George Meszaros, Jr., NY
Ray Metts, NY
Robert H. Meyer, Jr., NY
Annette Michelitch, NY
Kim Michels, NY
Elizabeth Ann Michelsen, Et Al, NY
C/O Cheryl Ann Riccio
Cheryl Mickel, NY

Individuals (continued)

Mark and Cheryl Mickel, NY
Alyce H. Mickel, Et Al, NY
Randy G. Mickle, NY
Gerald Mickle, Et Al, NY
Ryan Middleton, NY
Barbara Miers, NY
Donald Miesfeldt, NY
John Miglietta, NY
Donato Mignone and Mary Mignone Coretto, Mary Antoinette Finelli, Rosann Mignone and Diane Mignone, NY
Jerry Mignone, Frank Mignone, NY
Juanita Mihalco, NY
Jayne E. Mihan, NY
Stan Mikalsen, PA
George Milan, GA
Nicholas D. Milano, Jr., NY
Savas and Joana Milienos, NY
Charles Miller, FL
David John Miller, NY
Diane Miller, NY
John A. Miller, NY
John A. and Karen A. Miller, NY
Kevin Miller, NY
Larry H. Miller, NY
Lisa Miller, NY
Lois Miller, NY
Naney Miller, NJ
William E III Miller and Edward Bryan and Ann Marie Lopez, NY
Michael R. Miller and Mary Lou Miller, NY
Henry T. Miller and Michele Barns, NJ Co-Trustees of The Nancy A. Miller Family Trust
Jennifer Miller-Heath, NY
Seth Milligan, NY
Dawn Milone, NY
Dale W Miner, NY
Vernon W. Miner, NY
Rob Minotti, NY
Robert J. Minotti, Jr., NY
Derek Mirabella, Jessica Mirabella, NY
Robin L. Miskell, Brooke K Whiting N/K/A McTighe, NY
John R Miskell, Mary M Miskell, NY
Albert Mitchell, NY
Gerald Mitchell, NY
Diana Modica
Ruby Mitchell, NY
Maurits Modin, NJ
Josephine and Sheila Malcolm Moffett, NY
Robert and Jeanne Molinaro, NY
Gary Moller, NY
William J. and Katherina Moller, NY
Gary Moller and Edward Barsick, Jr., NY
Carlo Mollica and Fiore Verrelli, NY
Clifton T. Mollitor, NY
Philip M. and Marlene A. Monfiletto, NY
Barbara Monroe, NY
Samuel and Loretta Montanaro, NY
Clifford Montgomery, NY
Clarence D. Montgomery and Clifford L., NY
Clarence D. Montgomery and Janelle Underwood, NY
John J and Carmen A. Montiel, NY
Linda M and Leroy H Moon, NY
John F. and Maureen B. Mooney, NY
James J. Mooney and Vicki Lynn Thomas, NY
James Moore, IL
Ryan P. Moore, NY
Sylvia Moore, NY
Cheryle Morande, NY
Kimberly More, NY
Ralph Steven and Judy M Moreland, NY
Randall Moreland, NY
Christopher Morey, NY
William L. and Shirley Morey, NY
Patricia L. Morgan, NY
Eleanor Moriary, NY
Craig Morlang, NY
Adele Morrissey, NY
Mildred M. Morse, Et Al, NY
William B. and Bonnie Morton, NY
Maria Moscatelli, NY
Joan Moser, NY
Jennifer Mosher, NY
Moira Mosley-Duffy, NY
Karen Lynn Mowers, NY As Executrix of the Last Will and Testament of Jean F. Andreassen
Randy and Karen L Mowers, NY
Michael Mueller, NY
Melanie A. Muldoon and Kenneth R. Delforge, MA
Kenneth R. Muldoon and Melanie A. Delforge, MA
Julie Mullaney and Robert H. Shufelt, Jr., NY
John Mullen and John Tabler, NY
Bridget Murdock, NY
Frances D. Murphy, FL
Michael M. and Colleen A. Murphy, NY
Gene A Murphy, Jr. NY
Joel Murray, NY
John Murray III, NY
Janet L. Murray, AKA Janet Murray-Liberti, NY
Lisa Murrell, NY
Arturo J Musumeci, NY
George W. Myers, NY
Mary Jane Myers, NY
Mary Jane and Maynard S. Myers, NY

Individuals (continued)

Michele F. Myers-Platt, NY
Heidi Nakashima, NY
Lori Naveh, CA
Kevin Neary, NY
Leland H. Neff, NY
Glenn R Nelsen, Kathryn Nelsen, NY
Paul C. and Winifred S. Nelson, NY
Kaima Nelson-Bowne, NY
Frederick J. Neroni, NY
Mary Nethaway and Margaret Bliss, NY
Susan Newhart, PA
William Newhoff, NY
Frank B. Newkirk, NY
Brian J and Colleen J Nichols, PA
Robert L and Brenda Nichols, PA
Terry A. Nichols, CT
Elizabeth Nields, NY
Corina Nier, Scott and Starr Nier, Paul Shofkum and Jo Ann Shofkum, PA
Detmar and Luitgard Nieshalla, NJ
Rafael Nieves, NY
James Nitterour, Et Al, PA
Cesar and Debra R Nolasco, NJ
John B. Nolte and Janet M. Hofmann, NY
Raymond J. and Maureen B. Norcross, NY
Joseph H. Noriega, NY
Patrick W. Noto, NY
Edward Novak, NY
Richard B. and Bernadette Novak, NY
George B. Novellano and Nancy M. Novellano, NY
Shawn Noxem, NY
Ronald D and Karen Noxon, NY
Chris and Dean Nunamann, NY
Joan F. Nunamann and Dean Nunamann, NY
Joseph and Marie Nunes, NY
Charles Nunzio, NJ
Kathleen E. Oakley, PA
Mark and Rebekah Obleman, NY
James E. O'Bray and Dianne T. O'Bray, NY
Michael D. O'Brien, NY
Daniel O'Brien and Doreen Hickey, NY
Rita M. O'Brien, Darlene Patten, Dorene Losie, Wayne P. Patten, and Frank H. Patten, Jr., NY
Vincent O'Brien, Et Al, NY
William J. O'Brien, Jr., Deborah T. O'Brien, and John O'Brien, CT
Martin B. O'Brien, Maureen H. O'Brien, Stanley Sather, and Elizabeth A. Sather, NY
Michael J. O'Connor Jr., NJ
Michael E O'Dell, Nance O'Dell, NY
William J. Odell, Patricia M. Odell, and Scott L. Odell, PA
Chris Odo, Maureen Fleming, NY
Katherine O'Donnell, NY
Richard E. Ogsbury, NY
Daniel O'Hara, PA
Brian O'Hearn, TX
Jacqueline Oliva, NY
Daniel and Rosa Oliveira, NJ
Elizabeth Olon, NY
Christine O'Loughlin, NY
Carol Omalyev, NY
Kim J. Ondrusek, NY
Barbara O'Neill, KY
James J. and Irene O'Neill, NY
Jeremy Orosz and David Rudolph Orosz, Jr., NY
John R. O'Rourke, NY
Laurie Orsini, NY
Catherine L. Orth, NY
David Osborne, PA
Elaine Osborne, FL
Richard Osborne, PA
William Osborne, NJ
Walter Oset, NY
Sharon Osika-Michaels, NY
Warren E. Osterhout, Et Al, NY
Norma and Scott Osterling, PA
Roy and Genevieve Overholt, NY
Lucy E. Oxios and Robert Apuzzo, NY
Ross P and Kelly A Pacatte, NY
Andrew V Pace and Holly Pollock, NY
Joseph and Laura Pagano, NY
Andrew Pagnozzi and Bernadette Pagnozzi, NY
Abel S. Palma, Jr. and David A. Palma, NY
Stanley Palmer, Jr., NY
Paul M and Joseph R Palmeri, NY
Marie A Palmero, NY
Palermo Living Trust
Mark and Kathleen Palmeter, NY
Arthur Panetta, NY
Stevens and Shelia A. Pannepacker, PA
Stevens Pannepacker and Shelia A. Pannepacker, PA
Milos and Nada Papajic, NJ
William Jr and Doreen E Pappas, NY
Sarah Parker, NY
Marvin D and Sally D Parshall, NY
Marvin D. Parshall, NY
Marvin D. and Pattie F. Parshall, Jr., NY
David and Gerladine A. Parsons, PA
Kenneth E and Barbara Parsons, NY
Corrado F Pascuzzo, NY
Philip Pascuzzo, NY
Joseph Pasquariello and Timothy Duell, NY
Dorothy Patashnick, NY
Steven V. Patrillo, NY
Dennis Patterson, CA
Jeffrey D. Patterson and Nancy E. Zier, NY
Thomas G. Patton and Helen M. Patton, NY
Susan Pausel, NY
Esteban D. Paz Lizama, N

Individuals (continued)

Gary and Carole Peake, NY
Arthur and Dale Pearson, NY
Larry Pearson, NY
Stylianos Pefanis, NY
Joseph C. Peletz and Bonnie L. Peletz, NY
Jerry Pellegrino, NY
Martin F Peloso and Lorraine Peloso, NY
Daniel J. Pelt, NJ
John Pelton, NY
Pietro Pennella, OH
Rocco and Karen Jean Pennella, NY
Nicole and Steven Peragine, NY
John and Idalina Pereira, NY
Joseph Perotti, Jr., NY
Trustee of the Dawn P. Wayman Family Trust
Donald L. and Barbara Perrington, PA
Vickram Persad, NY
Dennis and Louise M. Perzacki, PA
Benedict T. Peters, NY
Douglas and Cheryl Petersen, NY
Richard and Susan Petersen, NY
Douglas Petersen and Cheryl Petersen, NY
Robert L. and Betty A Pethick, NY
Toby D. Pethick, NY
Todd W. Pethick, NY
Pasquale Petriccione, NY
Alicia Pettys, MT
Michael D. Phelan, NY
Bruce A. and Sheryl M. Phillips, NY
Tom Phillips, NY
V.C. Phillips, NY
Kenneth E. Phillips and Elizabeth Phillips, NJ
Jeanie Piecara, NY
Dennis M. Pierce, NY
John O. and Connie L. Pierce, NY
Nora R. Pierce, NY
Theodore and Shirley Pierce, NY
Laura Pierson, NY
Giovanni Pilla and Virginia Pilla, NY
Ryan N and Stephanie J Pillsbury, NY
Thomas Piper, NY
Joseph Piscatella, Et Al, NY
Carol Pitt, NY
Blane Pixley, NY
Robert P. Polgar, NY
David J. Pollard, NY
Douglas F. Pollicino, NY
Louis J and Linda A. Pollizotto, Sr., NY
Robert B. Pondolfino, NY
Polly Poole, NY
John P. and Roberta S. Poorman, NY
Anthony Porcelli, NY
Ernest and Rebecca Porcelli, NY
Leonard and Kathleen Portello, NY
Steven Portuese, PA
Douglas and Virginia Posson, NY
Maurice H. and Lori Faye Potter, NY
Rosemary Potter and William Wlasiuk, NY
George R and Kathleen Powers, NY
Andrew and Nina Preli, NY
Andrew J and Nina Preli, NY
David C. Press and Robert T. Lahullier, NJ
David R. Price, NY
Joseph Primavera, NY
John J. Primeau, Et Al, NY
Sarah Proechel, NY
Richard and Sandra Prokop, NY
Steve Proscia, NJ
James Prush, NJ
Robert Prush, NY
Barry L. and Sharon K. Przysiecki, NY
Lori C. Puente, David S. Hudson, Lynn R. Hudson, CA
Angelica Puglia, NY
John Edward Purick, NY
Gladys Pushchin, NY
Dusty Putnam, NY
Raymond L and Sandra R Putnam, NY
David Pysnik, NY
David B. Quas, NY
Darwyn Quay, Sr., NY
C/O Rickey Quay
Victoria Quesada, NY
Domingo Quinones, NY
June Quraishi, NJ
Elias Rabady, NY
Jean E. Race, NY
Leslie P Rago, NY
Anthony Ragucci, NY
Stanley Nils Rahmas, NY
D. Steve Rahmas and Judith Richter Rahmas, NY
Alvaro Ramirez, Ana Ramirez, PA
Carlos Ramos and Jose Manuel Gomes, NY
Edward A. Range and Grace E. Range Revocable Living
Trust, NJ
Emilio Rascionato, NY
Kim Rasmussen, NY
Joe Rathbun, NY
Kenneth Rau and Stephen G. Feeney, NY
Kenneth R. and Elaine M. Rau, and John W. and Dorothy T. Rau, NY
Thomas P. Raucci, Jr., CT
Alice J. Ray, NY
Carol Ann Ray and Henrietta H. Wilber, Betty Taccone, NY
Howard J. and Hazel R. Reed, NY

Individuals (continued)

Burton R. Reed and Catherine D. Reed, NY
Richard A. Reese and Jeanne E. Reese, and Raymond Gardner and Elizabeth Gardner, NY
William K Regan, NY
Albert E. and Greta C. Rehberg, NY
Fred Rehberg, Jr., Pauline Rehberg, and Jennifer R. Rehberg, NY
Timothy Reigles, NY
Daniel F. Reigles and Timothy L. Reigles, NY
James C. and Cathy Reilly, NY
Christopher W. III and Catherine Ann Reimels, NY
Dorothy F. Reina, NY
Joseph F. and Lauren M. Reinhart, NY
Zachary and Amanda Reinhart, NY
Tammy Reiss, NY
Donald J. and William H. Reithoffer, NY
Judith Relyea and Robert Durland, NY
Steven M and Doreen H. Remen Weiner, NY
Ann Rennacker, CA
Ronald R and Marcie E Renwick, PA
Timothy and Sharlene R. Reploeg, NY
Ronald A Rera, NY
Gary L Reynolds and Cindy L Reynolds, NY
Delissa Reynolds-Lyssy, NY
Dean R and Patricia N Rhinehart, NY
Clark Rhoades, NY
Amelia Ricciardella, NY
Shirley Rice, NY
Frederick Rice and Marilyn Isaacs, NY
Leslie Richards, NY
Mike Richardson, NY
Gordon G. Rickard, NY
Jeffrey K. and Nicole E. Rickard, NY
Patrick Rider, NY
Todd A. and Troy R. Rider, NY
Charles F. and Melinda S. Rielly, NY
Harry C. Riker, NY
Anthony Rinaldi, NJ
Mary Darlene Rinaldo, NY
Daniel P. Ringuette and Anne M. Hensel, NY
Fred H. and Margaret R. Risse, NY
Douglas J. Ritz and Marjorie A. Ritz, NY
Anthony J. Rivelli, Jr., Laina Rivelli, and Tracey Weinbaum, NY
David and Lisa Ann Rivera, NY
Colleen Rizzo, NY
Ann Roberti, NY
Donald N. and Barbara Ann Roberts, NJ
John W. Roberts, NY
Donald N Roberts, Barbara Ann Roberts, NY
Gerald Robinson, NY
Judy Robinson, NY
Sean Robinson, NY
William Roche, NY
William J. Roche and Christine Bender, NJ
Joel Rockwell, PA
John E and Peggy Rockwell, PA
Terry and Wanda M Rockwell, PA
Henry J. Rode II, NY
George and Patricia A. Rodenas, NY
Luis A. Jr and Salome E. Rodriguez, NY
Alton Roe, NY
William Roehrich and Donna Roehrich, NJ
Achim and Louise Roennpagel, NY
Sergio Rogliano, NY
Bernhard A and Christa Rohe, NJ
Todd E Rolfe, NY
Robert A. Romain, NY
William R. Romain, NY
William and Judith Romain, Jr., NY
Maasimo and Lisa Romano, NY
Charles & Sarah Rome, NJ
David and James Rootes, NY
Gerard W. Rosand, NY
Beth B Roscoe, NY
Alana Rose, NY
Bob Rosen, NY
Kenneth & Becky Rosenkrans, NJ
John and Lynn Rosler, PA
Dawn Ross, NY
William Ross, NY
C Roth, MD
Arlene D and Leslie W Rought, PA
Michael L. Rowe, NY
David I and Sherry A Roy, NY
Warren E. Rozelle, NY
Max F. Jr and Catherine Rua, NY
Edward M. Rubio and Jeanne M. McKendrick, NY
Gerald V Ruggiero, NY
R Rugler, NY
Richard L. Ruland, NY
Arthur and Susan Rumph, NY
Kelly Rumph, NY
Lee S. and Sana Lee Rumsey, NY
Robert and Marybeth Ruscica, NY
Thomas Rushmer, NY
Gerald T. and Cecilia J. Russell Revocable Trust, NY
Mark Russo, NY
Wadea W. Saad and Mikhail George, NJ
William Sabia, NY
Jerry Sacher, NY
Steven Sachs, NY
David Saddlemire, NY
Kathryn Saddlemire, NY
James W. Saddlemire and Emma Blanchard, NY
Melody Safken, CO
Edgar L. Sagan, KY
Jack Sakellarides, Agnes Sakellarides, NY

Individuals (continued)

Gerard H. and Adriana Sallows, NY
Judith Salzmann, NY
Glen Sanders, NY
Shawnee Sanders, NY
Andrew J. and Joan L. Sanfilippo, PA
Vincent and Allison Sanganetti, NY
Francis Sanna, Ann Sanna, NY
Anthony F. Sanniola, Jr., NY
Tony and Kathleen Santana, NY
John and Laurel Santomassino, NY
James Santore, NY
Victor A. Santore, Ann Santore, Elizabeth B. Santore, Elizabeth Santore, George Santore, James Santore, Victor Santore, NY
Angelo Santoro, NY
Michael A. and Karen A. Santulli, NY
Johannes Sanzin, NY
Bonnett L. Saussol and Lily Quan Lew, CA
Paul Sauter, NY
Lester Savarese, NY
William and Brenda Sayward, NY
Gerard Scelzo, NY
Stephen G. Schafer, NY
Geoffrey J and Janie A Schaffner, NY
Josephine G. and Thomas E. Schake, NY
Rebekah Schecter, NY
Fred J. Scheidegger, Jr., NY
William H. Schetting and Doris M. Schetting, NJ
Greta Schiller, NY
James F. Schillinger, Et Al, NY
Anthony J. Schindler, NY
Mark Schinnerer, NY
Christopher and Ernst Schleimer, NY
Patricia Schlichting, NY
Dave Schmauch, NY
Peter M and Erika J Schmid, NY
Louise Schmidt, NY
Wyman Irrovocable Trust
Roger E. Schmidt, Dayle G Schmidt, NY
Vera Schmitt, NY
Martin A Schneider, NJ
Nicholas Schoenecker, NY
Teresa I, Peter N, Matthew L, and Nicholas A Schoenecker, NY
Francine Schreiber, NY
Thelma H. Schreier, NY
Adolph Schrull, NY
Diantha Schull, NY
James Schultz, NY
Warren E. Schuman, Carole F. Schuman, NY
Juergen H. and Jeanie K. Schumann, NY
James A Schwartz, NY
Michael Schwerd, NY
Anthony Scielzi, NY
Ralph L. Scorzelli, NY
Agnes and Francis Scott, NY
Ward F. Scott, NY
Robert A. Seacord, NY
Michael L. Seaman, III, John A. Seaman, Andrew N. Lee, and Deborah M. Skogman, NY
Lee Joint Family Living Trust
Bruce L and Marion E Seamans, PA
Elbert Seamans, PA
Hollis Seamans, PA
Francis Secrest, NY
Robert W See II, NY
Emma and Yon Suk Seebold, NY
Seepersaud and Sushila Seecharan, NY
Joel and Sarah Seemann, NJ
Dianne Sefcik, NY
Kurt Seitz, NY
Sofoklis and Athina Selisios, NY
Edward B. Selleck, NY
Edward B. and Christopher Selleck, NY
Charity J. Senecal, NY
Lynn Senick, PA
Stephen Sepesi, NY
Arthur Serdock, NY
Patricia Serdock and Darlene Quinn, NY
Paul Serpduto, Christine Foley, NY
William A. Sestito, Et Al, MA
Aurelio A and Maria Sesto, NY
John and Ann-Marie Seven-Sky, FL
Josep A. Sevilla, NJ
David K. Sexton and Anita M. Sexton, NY
Kurt D Shafer, NY
Gail Shaffer, NY
Edwin Shaffer, Sandra Gray, Stanley Shaffer, Gail Shaffer, NY
Joann Christie Shapak, NY
Charlie Shaul, NY
Holly J. and Marcy G. Shaul, NY
James A and Pamela J Shaul, NY
John G. Shaul, NY
Judy Shaul, NY
Mabel M. Shaul, FL
C/O Susan Minard
Alfred L and Tammy Shaver, Jr., NY
Francis and Loretta Shaw, NY
John Shear, NY
Andrew and Noelle Sheber, William M. Perrone, NY
Gregory and Ellen L Sheehan, NY
Brian P. Sheeley, NY
Bart L. Sheldon, NY
Mark H Sherman, PA
William Sherman, NY
James T. Sherwood, CT
Joan M. Sherwood, NY
Laurie A. Sherwood, NY

Individuals (continued)

Patricia J Shevy, NY
Leo and Linda Shew, NY
Sheila A. Shibley, PA
Stanley Joseph and Tra Shidagis, PA
Thomas J. and Cheryl A. Shimp, NY
Jeannie Shipman, NY
Charles Shoemaker, NY
Jill and Reed Sholtes, NY
Catherine Shrady, NY
Robert and Paula Shufelt, NY
James E. Sickler and Ruth M. Sickler, NY
Edward and George Sidney, SC
Leo Jr. and Carol Ann Siemion, NY
James B. and Florine S. Sikking and Turowski Trust, CA
Sikking Family Trust
James A. and Karla D. Sikora, NY
Charlie Silbermann, NY
Antonio V Silva, NY
Gertrude Silvernell, NY
George R. Silvernell and Sarah May Silvernell Tims, NY
Heirs at Law and Next of Kin of Gerturde G. Silvernell
Andrea Simitch, NY
Karen S Simmon-Karker, NY
Timothy W. Simmons, NY
Shahndra R. Simmons and Zachary Lawyer, NY
Randy and Diana Simms, NY
Scott D and Mary Ann Simonds, NY
Richard E. and Sharon Simpson, NY
Ralph Z Sitts, Phylis Sitts, NY
Roger S. Skinner, NY
Shary Skoloff, PA
Zbigniew and Katarzyna Skurzok, PA
Gene S. and Elaine D. Slater, NY
William A and Kathleen J Slater, NY
Baylen Slote, NY
Bruce A and Janice M Smith, NY
Cara C. Smith, NY
Carlton R. Smith, AZ
C/O Kevin McMahon
Catherine C. Smith, NY
Dorothy E Smith, NY
Douglas W. and Amelia Smith, NJ
James M. and Tammy Smith, NY
Maggie Smith, NY
Michael J. and Karen J. Smith, NY
Robert S. Smith, NY
Russell D.B. Smith, NY
Victor L and Margaret Janet Smith, PA
David E. Smith and Elaine M. Smith, NY
Donald M. Smith and Janice E. Smith and Kimberly K. Guernsey, NY
David Jay Smith and Richardo Chang Yee, NY
Jennifer Shadel Smith and Roy M. Smith Jr., NY
Douglass W Smith, Amelia Smith, TN
Attn: 21St Mortgage Corp
Erwin Van B. Smith, Edwin C. Smith, NY
Frank H. Smith, Jr. and Frances M. Smith, NJ
Robert F. Snedeker and Cheryl S. Hine, NY
Joshua Snediker, NY
Angeline Snow, NY
Michael R. Snow, PA
Charles H. And Mary E. Snyder, PA
James F. and Darla A. Snyder, PA
Joan D. Snyder and Henry Earl Goss, NY
Co-Trustees of the Trust FBO Kenneth Charles Goss
Charles Snyder and Michelle Snyder, PA
Elwood and Linda Soden, PA
Matthew and Lisa Sokol, NJ
Reverend Ellen Sokolow, NY
Meryl-Jo Solar, PA
Trustee for Solar Revokable Trust
William Solonewitz, PA
William P. and Mary A. Solonewitz, PA
William C. and Frances A. Sossei, NY
Frances B. Sossei, John H. Binger, and Alma L. Binger, NY
Clinton I. Soules, NY
Gordon Jay Sowder, NY
Jeffrey R. Spandine and Brenda L. Spadine, PA
Ferdinand Spages, PA
Peter Spallino, NY
Joshua C. Sparkes, NY
Alice T. Spatt, NY
Marion D. and Roger L. Spaulding, NY
Armando and Marie Spaziani, NY
Brent D. Speedling, NY
Jud Speer, NY
Gordon Spence and Josephine Spence, NY
Myrtle Spencer, NY
Attn: Richard Vilegi
Diane and Thomas Speranza, NC
Paul and Christine Sperduto, NY
Terry A. and Linda L. Sperry, NY
Deborah Spezza, NY
John and Maria Spina, NY
Joseph and Maryann Spina, NY
Stephen Spretnjak, NY
Robert Squier and Charlotte Tru, PA
Michael and Linda Squillini, NY
Irene and Stephen Stabenow, NY
Gaspare Stabile, NY
Bruce and Michele Stacey, NY
Kris Stafford, NY
William Stafford, NY
Richard F and Tina M Stalker, NY

Individuals (continued)

Shane M. Stalter, NY
Richard Stanford, AZ
Duane and Myschell A Stangle, NY
Robert Stankiewicz, PA
Tina M. Stannard, NY
Richard Stannard, Volneta Stannard, NY
Horace Stanton, NY
Susan H. Stanton, NY
Rebecca Stanton-Terk and Kenneth G. Stanton III, NY
Don and Henrietta Statham, NY
Christopher R. and Robin Ann Stauble, NY
Edmund C. Staudenmaier, NY
Alan W. and Julie Stay, NY
David F. Steacy Jr., NY
Constantinos Stefanou, Maria Stefanou and Terry Stefanou, NY
Barret A and Christine M Stein, NY
R. Steinmuller, NY
Julie I Steinmuller and Suzanne Lockwood, NY
David R. Steitz, NY
Timothy Rene Stephenson, NY
Arthur C. and Mary Ann Sternheimer, NY
Eric and Deborah Stevens, NY
Richard and Shelly Stevens, NY
Benjamin W. Stever, NY
James and Carolyn Stewart-Woughter, NY
Dawn Stidham, NY
Dawn Stidham and Michael Bianco, NY
Michael and Patricia Stockert, NJ
Stephen M. Stoddard, NY
Andrew Stomo, NY
Yvonne Stone, PA
George, Alexis and Nicholas Strachkevitch, NY
Lee T. Strassburg, NY
Anne Michelle M and Christian Strauch, NY
Michael J. Streng, NY
Robert and Helen M. Strother, NY
Ted Stucka, NY
Michael Suchorsky, NY
Deborah A. Sugamele, NY
Administrator of the Estate of Joseph Sugamele
James J Sullivan, Grace E Sullivan, NY
Bette Ann Sullivan, Kathleen Jean Fisher Smith-Bernier, William Thomas Fisher IV, Debora Ellen Fisher Rogers and Herbert Lawrence Folkerts, NY
Arthur H. Summers and Cyrena M. Summers, NY
Trustees Under the Summers Living Trust
Domenico Suppa, NY
Donald P. Suttle, NY
Dorothy J and Leslie Sutton, NY
Mark Swanberry, NY
Christopher Swartout, NY
Jim and Vicki Swartout, NY
Donna M. Swavola, NY
Timothy J. Sweeney, Jr. and Diana L. Sweeney, NY
James H. and Jean T. Swisher, NY
George M. and Denise M. Sydlar, NY
Donald Sykes, NY
Michael R. and Luigia Taccone, NY
Richard and Betty Taccone, NY
William Taddeo, Frank Taddeo, NY
Timothy D. and Jane Taggart, PA
Douglas J. Tait, MI
Cheuk Tam, NY
Clifton Tamsett, Jr., NY
Franca Tantillo, NY
Domenic and Rosa Tebano, NY
Christelynn Teed, NY
Charles M. Tell and Delores A. Tyneway, NJ
Robert E. Teomans and Jacylyn M. Schaeffer, NY
Janet Terchek, NJ
Nancy L. Terpening, NY
Kevin and Mary J. Terry, NY
Jack Tessier, NY
Donald L. Teter and Nancy J. Swantak, NY
Paul A Thayer, NY
Ed Thomas, CT
Greg Thomas, NY
Richard P and Margaret K Thomas, NY
Robert and Stephen Thome, Frances Rowles Thome, IL
Charles Thompson, NY
James R. Thompson and Audre A. Thompson, NY
Justin N and Martha B Thompson, ME
Rachel Thompson, NJ
Samuel F. Thompson, PA
William & Christine Thompson, NJ
William & Jean Thompson, NJ
Frieda Ordella Thorington, NY
Grant Thorn, NY
Jason M. Thorne, NY
Allen Thorp, NY
Allen and Christine Thorp, NY
Jim Tighe, PA
Connie J. Tilison, NY
Clayton and Beverly M. Tillapaugh, MD
Diane Olds Timm, NY
Cassandra Tingue Anderson, FL
Tom Tiogo, NY
Marcus Tiscione, NY
Matthew F. Tiscione and Carmela Tiscione, NY
Eugene and Lorraine P. Titus, NY
Charles L. and Suzette R. Todd, NY
Gilbert and Marlene Toglia, NY

Individuals (continued)

John and Aida Toledo, NY
Eduardo C. Toloza, NJ
Anna and James Tomaino, NY
M. Tomasino, NY
Alexander & Jennifer Torres, NJ
Ronnie Torres, NY
William Torres, NY
Eugene Gaines C Townsend, NY
Mary Townsend, NY
Donna L. Tracy and Mario Ruttkiewicz, NY
Lawrence and Tracy Travis, NY
Robert Travis, NY
Alton R. Travis III, NY
Betty Treis, NY
Jeffrey S. Treis, NY
Nicholas Treis, NY
Terry Allen and Alina M. Treis, NY
Terry and Alina Treis, NY
Thomas J and Laurie Trelease, NY
William and Susan Trendell, NY
Debra and James Tricoukes, NY
Robert G. Troidl, NY
Paul and Carole A. Trotta, NY
John E. Trowbridge, NY
Richard P. Trowbridge, NY
Emily Trower-Yang, NY
James E. and Aili D. Truelove, NY
Kenneth H. Truesdale and Luella I. Truesdale, NY
Mark Truesdell, NY
Robert E. Truman and Donald K. Truman, NY
Edward J. Trzcinski, NY
David J. Tuanlly Jr., NY
Robert Tufano, NY
Robert J. Tufano, NY
Joseph and Barbara Tuite, NY
Kristina Turechek, NY
Joy S. Turowski and Walter R. Turowski, CA Co-Trustees of The Turowski Trust; James B. Sikking And Florine Sikking, Co-Trustees of The Sikking Family Trust
Frank and Sergio Tursi, NY
William J. Twomey, NY
Delores A. Tyneway and Susan L. Murphy, NY Co-Trustees of the Tyneway Family Irrevocable Trust
John Ubinas, NY
Kerry Lee Unger, NY
Gary D. and Lori J. Unger and Cavaco, NY
Stephen F. Utter, FL
Wanda Utter, NY
Bart Vacca, NY
Carmino and Margaret Valente, NY
Rocky Valenzisi, NY
Albert Vallone, Vicki Vallone, NV
Elizabeth Van DeValk, NY
Francesca Vanasco, NY
Patrick Vanbuskirk, NY
W. Cooper Vancott, PA
Seymour Vander, NY
Jeffrey A. Vandermark, NY
Robert Vanderveen, NY
Seymour and Grace Vanderveen, NY
Jeffrey L. Vandeusen, NY
Nancy Vandeusen, NY
Nora and Leroy Vandeusen, NY
William A and Lori Vandevalk, NY
Kenneth Vangorder, PA
Joseph Vanharken, NY
Edward Vanloan, NY
Patrice VanSlyke, NY
James D. and Ethel Vanvalen, NY
Kathleen Vanvalkenburgh, NY
Bradley Vanzile, NY
Bruce Vanzile, Lynne M Vanzile, and Bradley Vanzile, NY
Nick Vardouniotis, NY
Charles Vaughan and Shannon Vaughan, NY
Michael D. Vaughn, NJ
Helen P. and William W. Jr. Vedder, NY
Martha Vedder Sheth, NY
Francois G. and Dana Vedier, NY
James M. Veley, NY
Mark M. and Stephanie E. Veley, NY
Louis Ventiere, NY
Mercedes Verdejo, NY
Vincent Verdichizzi, NY
Anthony Verini, Et Al, NY
Susan Vetterlein, NJ
Frank J Vicari, NY
Robert and Francine Vilato, NY
Richard Vilegi, NY
Marcus Villagran, NY
Susan Vines-Duffy, NY
Anthony J. Vitaliano, NY
Douglas Vitarius, NY
James Vitti, NY
George Vlesmas and Yolanda Koumidou-Vlesmas, NY
Karl and Nancy Vogl, NY
Anthony J. Vojnich, Jr., NJ
James M. and Dorothy A. Volo, CT
Marie T Volpe, NY
Kristen Volsky, NY
Paul and Karen Volsky, NY
Jonathan and Michele Vonlinden, NY
Ryan Vonlinden, NY
Gus J. Voyiatgis, NY
Clifford E. and Eileene Vroman, NY

Individuals (continued)

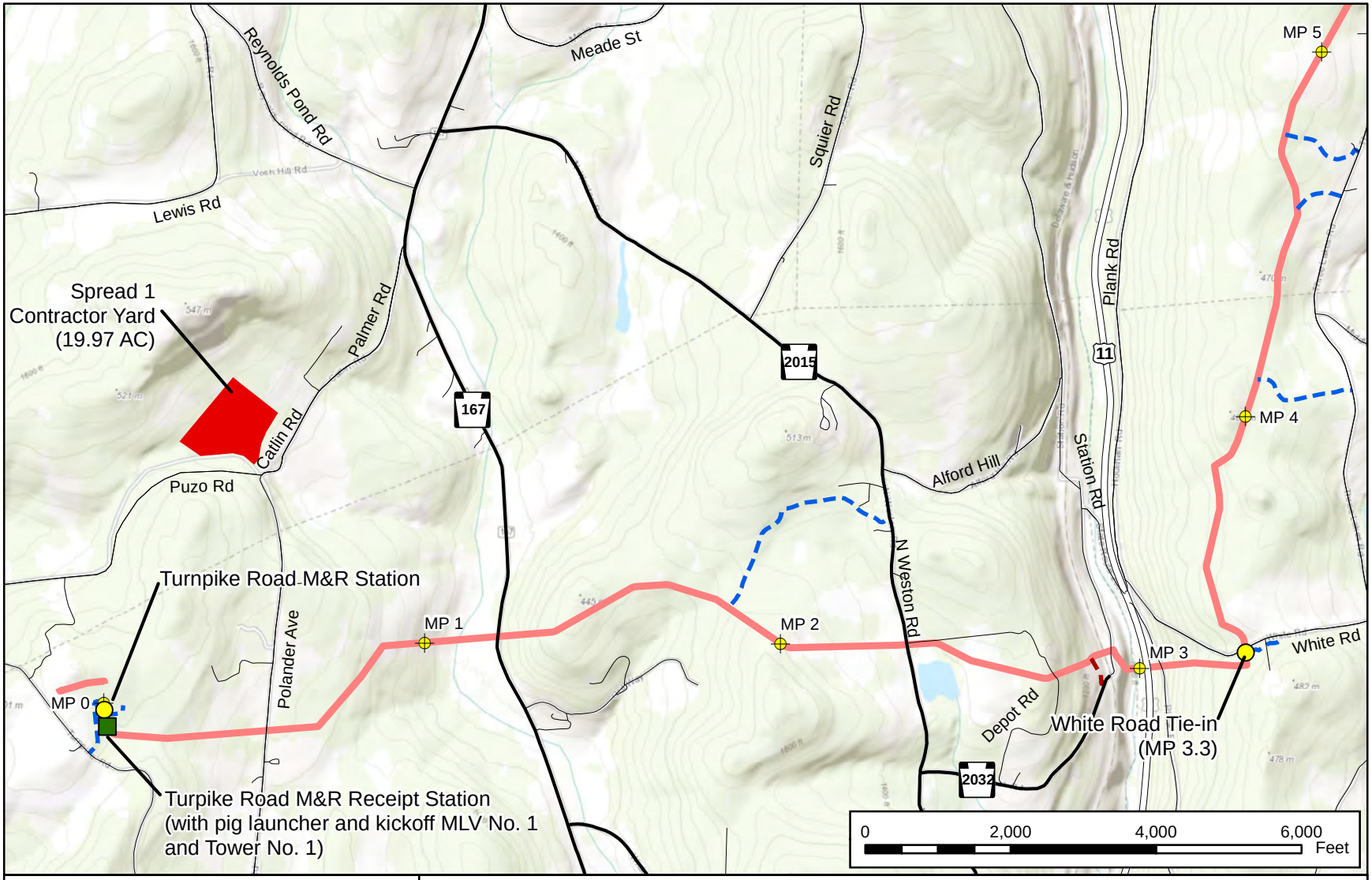
Stephen R. Wade, CA
Trustee of the Wade Family Trust
Allen and Debra J Wadge, PA
Carl Wagman, NJ
Carl Wagner and Edward Joseph Wagner, PA
Irwin and Karoline M. Waldman, CA
Jackie Waldron, PA
Steven J and Susan C Walke, NY
Brad J. Walker, NY
Daniel J. and Peggy L. Walker, PA
George Walker, NY
James S and Donna M Walker, PA
John H. Walker, NJ
Richard W. Walker, NY
Suzy Walker, NY
Juanita Walker, Et Al, PA
Arthur M. Wallace, NY
Barry Wallace, NY
Jane P Walsh, NY
William Walsh, NY
Dave Walton, NY
Phillip A. and Valerie A. Walton, NY
Richard L Walworth, PA
John W. and Judith J. Warner, NY
Raymond A. Warner, NY
Robert J. Warner, NY
Scott and Ginae Warner, NY
John Warner Jr., NY
Billy Joe Watson, NY
Frances S. Watson and Christopher E. Watson, NY
Stanley E and Donna Waxmundsky, PA
Michael Wayand, NY
Gerald Wayman, SC
Larry Earl Wayman, NY
Lisa M. Wayne and Shelly J. Nichols, PA
John J. Weber and Susan Keeler-Weber, NY
Fred L and Phyllis Wedman, PA
Harry J. Weibel, PA
Daniel L and Lyn M Weideman, NY
Joanne Weimer, NY
Karen Weinberg, NY
June C. Weinheimer, NY
Stacey L. Weir, NY
John Weiss, CO
Sarah Wells Bordi and Jayne Wells, MD
Guy M. Welsher, NY
Deborah Weltsch, NY
Madison Wenman, NY
Barbara Wenzel, NY
Gerard Werner, NY
Theodore Werner, NY
Theodore J Werner, NY
Terry E. and George Westervelt, NY
Trustees of the Westervelt Family Trust
William F and Ellen Louise Wetsel, NY
Michele Wetuns, NY
Joel and Julie Wexler, NY
William Whallon, NY
Robert K. and Patricia Wheelhouse, NY
Joseph and Mary C. Whipple, NY
Robert Whipple, NY
Rudy E Whitbeck and Loretta S Whitbeck, NY
Timothy J. Whitehead, NY
Susan C. Whiteman, NY
Steve Whitesell, NY
Robin L. Whiting, N/K/A Robin McTighe and Brooke K. Miskell, NY
Charles A. and Penny K. Whitmore, NY
Brice Whitney, PA
Rodney J. Whitney, NY
Douglas A. and Cynthia L. Whittaker, NY
James J. Whittaker, NY
Ann Whynman, PA
Janet A. and Robert W. Sr. Widell, AL
Jill Wiener, NY
Michael A. and Pamela J. Wilber, NY
Michael A. Wilber, Timothy A. Duell, Joseph Pasquariello, NY
Richard Halsey Wilbur, NY
Edward Wildlove, Exec, NY
Estate of Peter R. Stillman
Ken and Melinda Wiley, NY
Keith Wilke, NY
Lawrence Karl and Carol A Wilke, NJ
Alfred A. and Nora E. Williams, NY
Bob and Betsy Williams, NY
Christopher M. and Ruth Jane Williams, NY
George and Nancy Catherine Williams, NC
James C. Williams, NY
Kenneth T. Williams, NY
Donald W. Williams and Daryl S. Williams, NJ
Trustees of the Jane E. Williams Testamentary Trust
Brian Williamson, NJ
James Willis, NY
Lori Willman and Allen C. Dibble, NY
Caroline Wilson, NY
David A and Solveig Wilson, NY
Pamela J. Wilson, NY
Robert Kevin Wilson, NY
Keith Wilson, NY
Carman F Wilson and Ruby Wilson, NY
Teresa Winchester, NY
Robert J. and Cynthia M. Winegard, NY
Thomas K. Winn, NY
Stanley Wocoszyn, NY
Florence D. Wojcik Irrevocable Trust and Joseph P. Cosentino, PA

Individuals (continued)

Richard Wolcott, NY
Michael and Linda Wolfe, NY
Denise Wolsiefer, NY
Aaron M. Wood, NY
Christopher Wood, NY
Everett J and Bonnie R Wood, NY
Nathen S. Wood, Jennifer Stevens, and Randy T. Wood, II, NY
Patty Woodbury, MA
Donna Woodcock, NY
Daniel J. and Jane S. Woodford, NY
Ramona E. Woodruff, NY
Madison T. Woodward III and Thomas M. Woodward, TX
Bruce J and Mary D Wrench, NY
Bruce R. Wright, NY
Charles M. Wright, NY
Clyde Wright, NY
David Wright, NY
Harold Daniel Wright, NY
James R. Wright, NY
Karen Wright, NY
Kenneth A. and Gloria J. Wright, NY
Martin J. and Edna C. Wright, NY
Rebecca Wright, NY
Richard and Lynn Wright, NY
Timothy H. Wright, NY
Mary Wroblewski, NY
Charles Wyble, NY
Gary Wyble and Jennifer Rogers, NY
Gary Wyble, Charles and Patricia Wyble, NY
Louise Wyman Schmidt Ir Trust, NY
James and Judy Yachumiak, PA
Joseph Lee and Ashley Marie Yachymiak, PA
Edward Yachymicak, Jr., PA
Debbie Yoder, NY
Mollie A Young, NY
William Young, Jr., NY
Frank Youngs, NY
Thomas E. and Mary Ann Youngs, NY
Tracy Youngs, NY
Thomas L. Youngs And Ella J. Youngs, NY
Marianne M. Younkheere, NY
Christopher T. Zaba, NY
Terrence and Nora Zaba, NY
Elaine Zablocki, NY
Lisa Zaccaglini, NY
Ed Zaengle, Esq., NY
Mike Zagata, NY
Rachel Zander, NY
Neven Zanki and Bruna Zanki, NY
Karl Zarling, WI
Bonnie A and Michael W. Zeffer, David E. Seamans, PA
Michael W. Zeffer, Et Al, PA
Michael W. Zeffer, Et Al, PA C/O Frank Zeffer
Dorothy J Zeh, NY
Stephen W. Zeh, Jr., NY
Daniel Zielinski, NY
Lee Ziesche, NY
Peter D Zimmer, NY
John Zimmerman, MD
Elizabeth Joyce Zipay, NY C/O William Brower
Jeffrey Zuill, NY
David Zummo, NY
Neri Family Irrevocable Trust
Mahony Living Trust
Palmer Family Irrevocable Trust and Kotmel Allan V.Moffett
L&J Living Trust
Shannon Mason Trust

APPENDIX B

Project Overview Maps



Main Line Valve & Communication Tower
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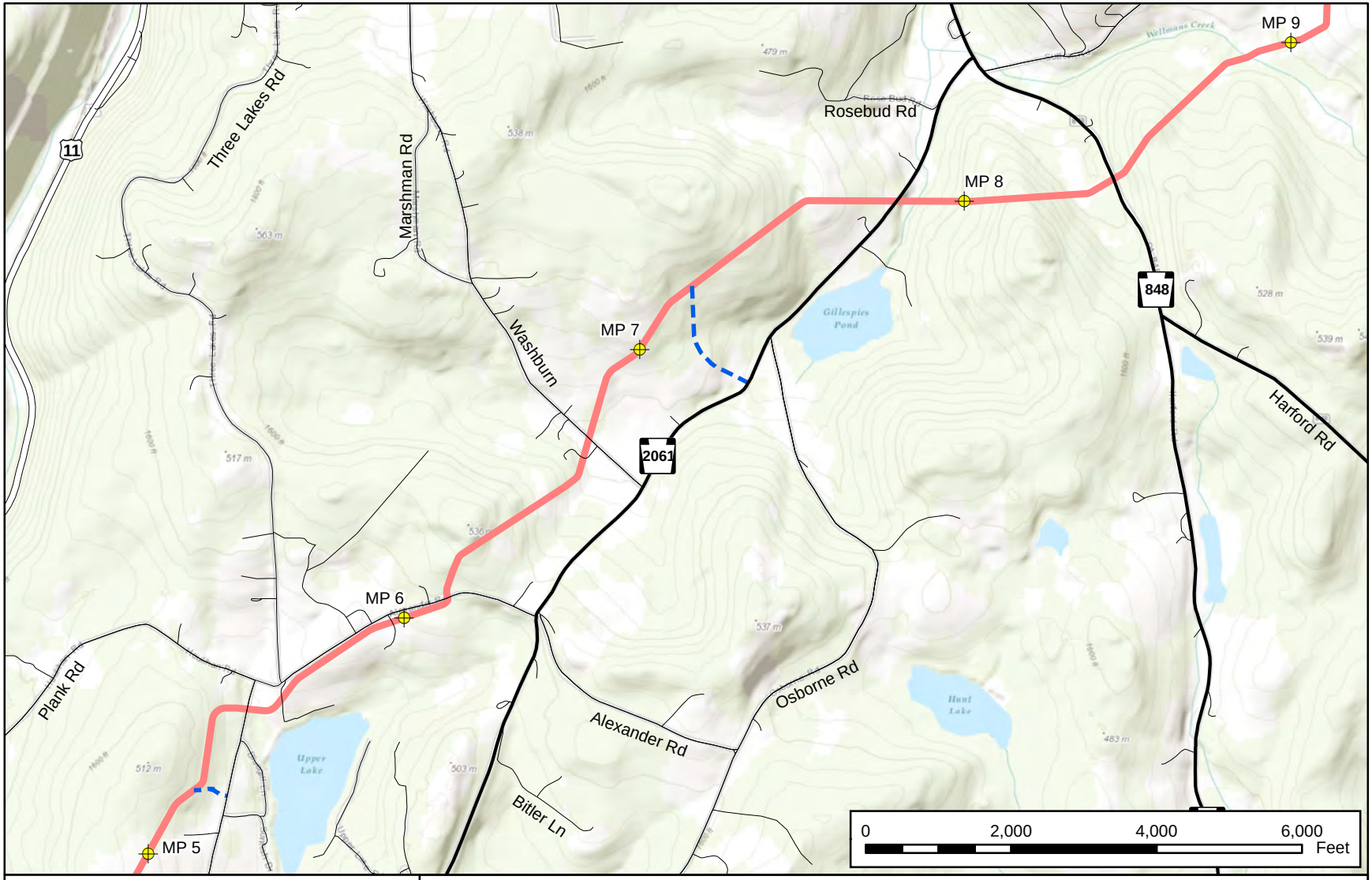
Constitution Pipeline Project
Project Overview Map



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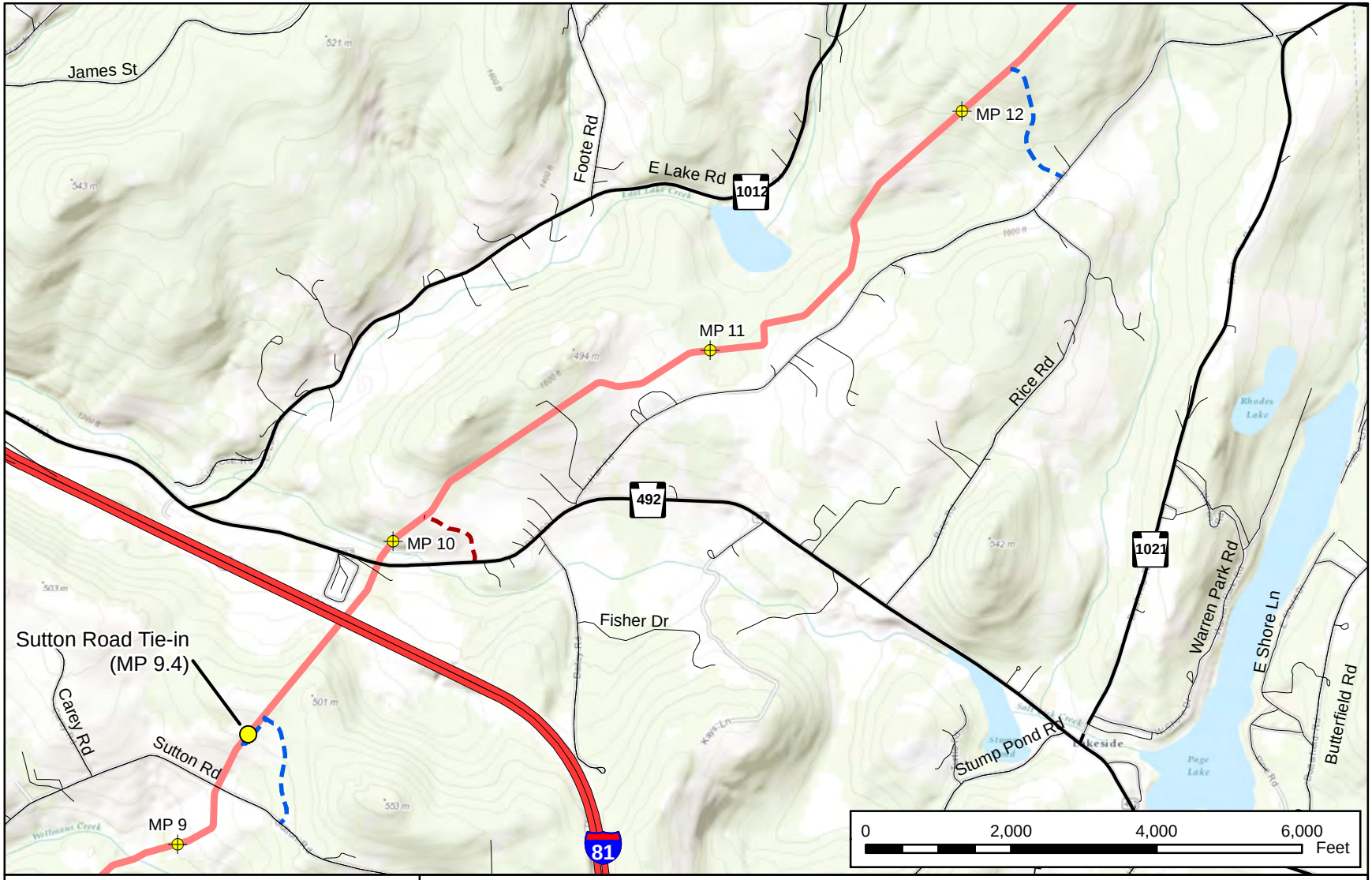

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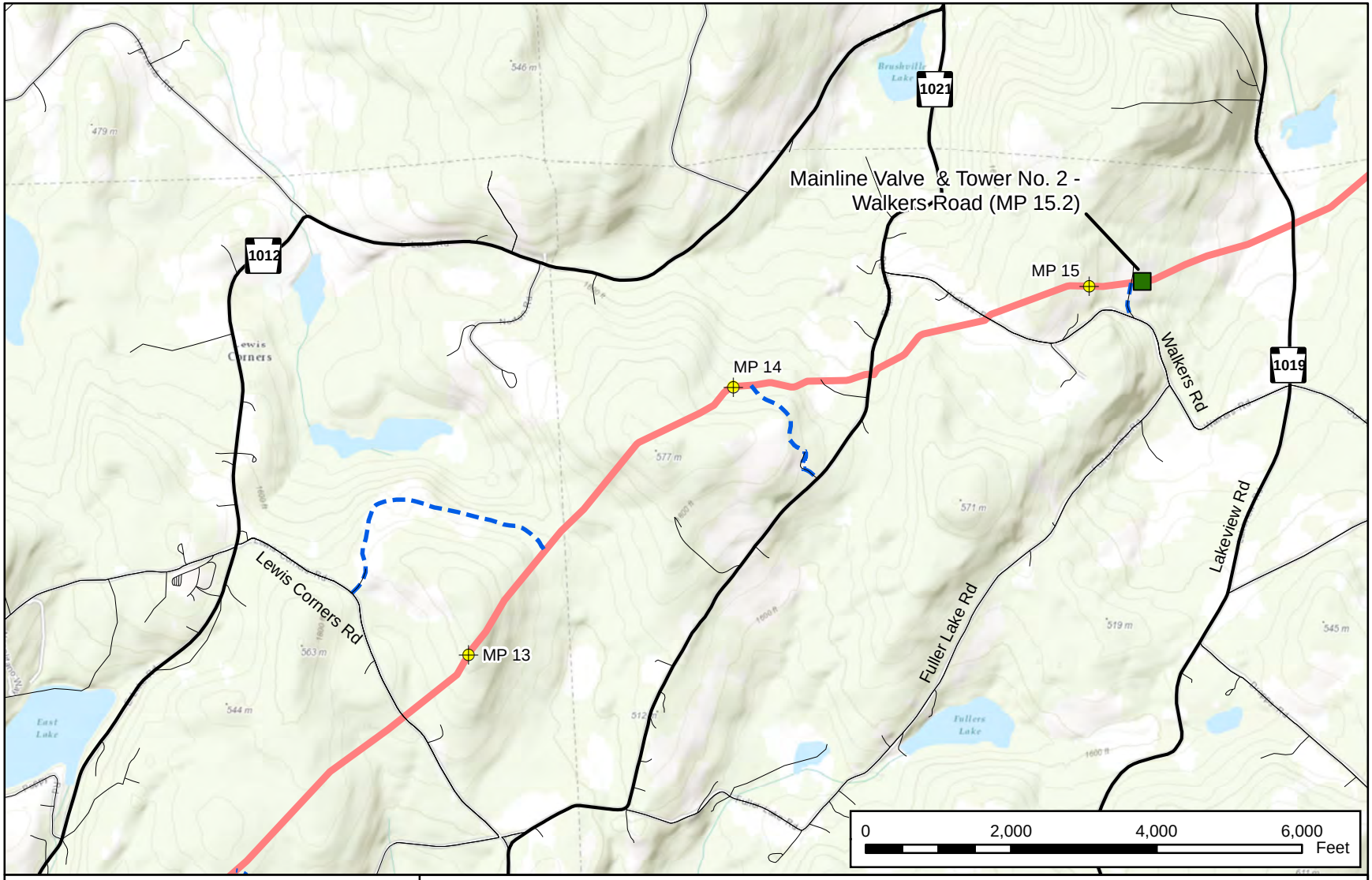
Project Overview Map



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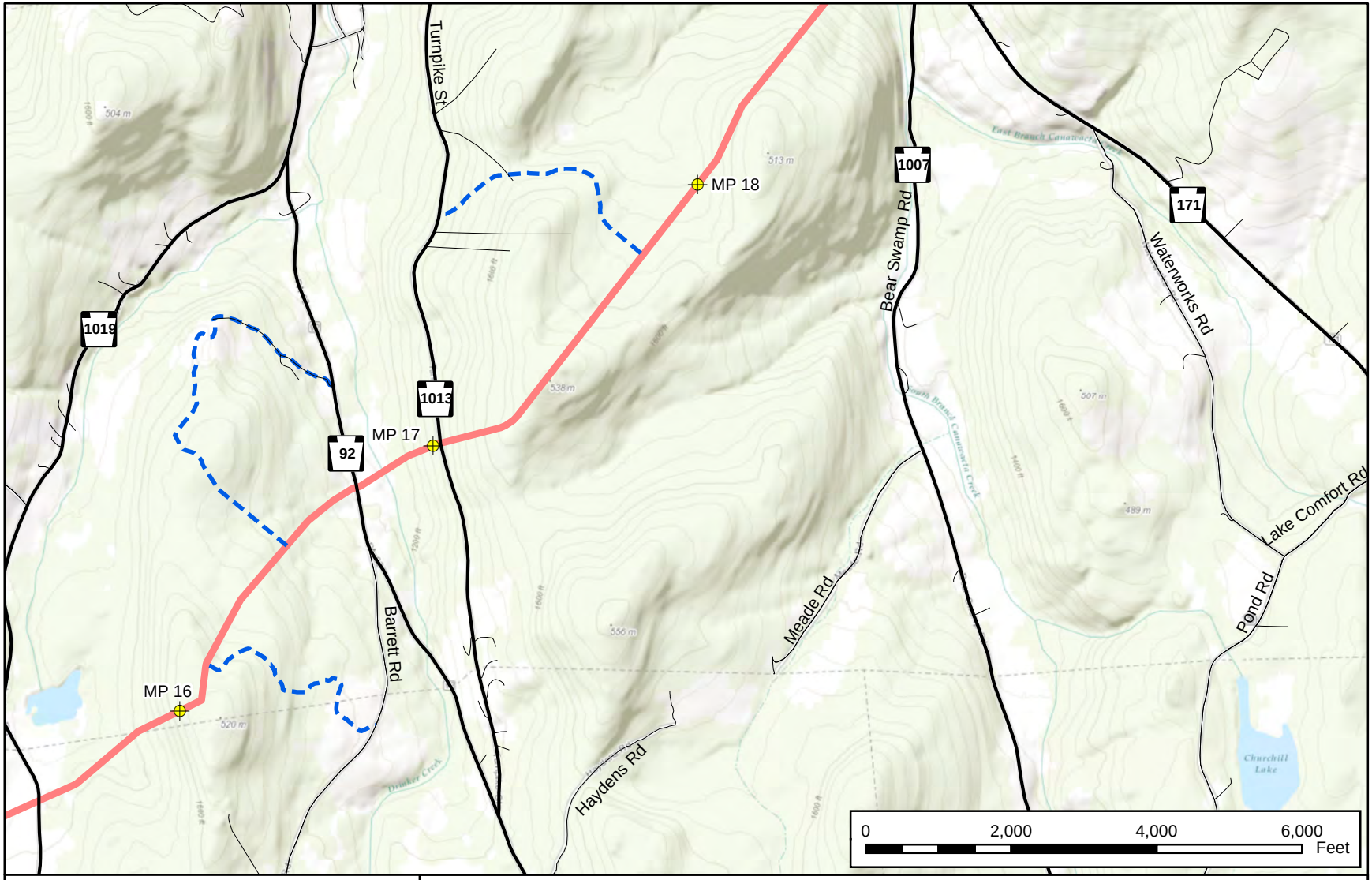

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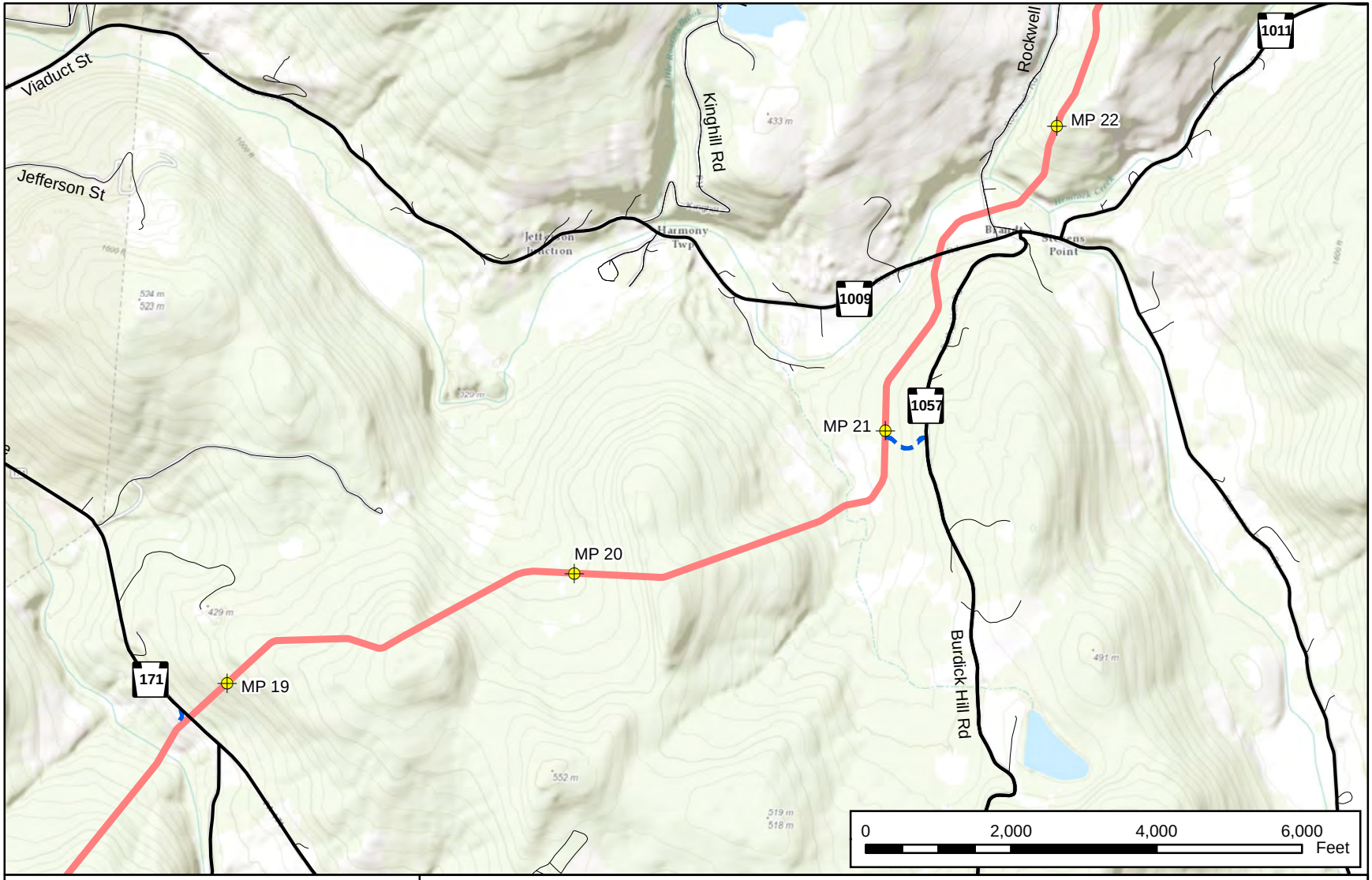
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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Constitution Pipeline Project
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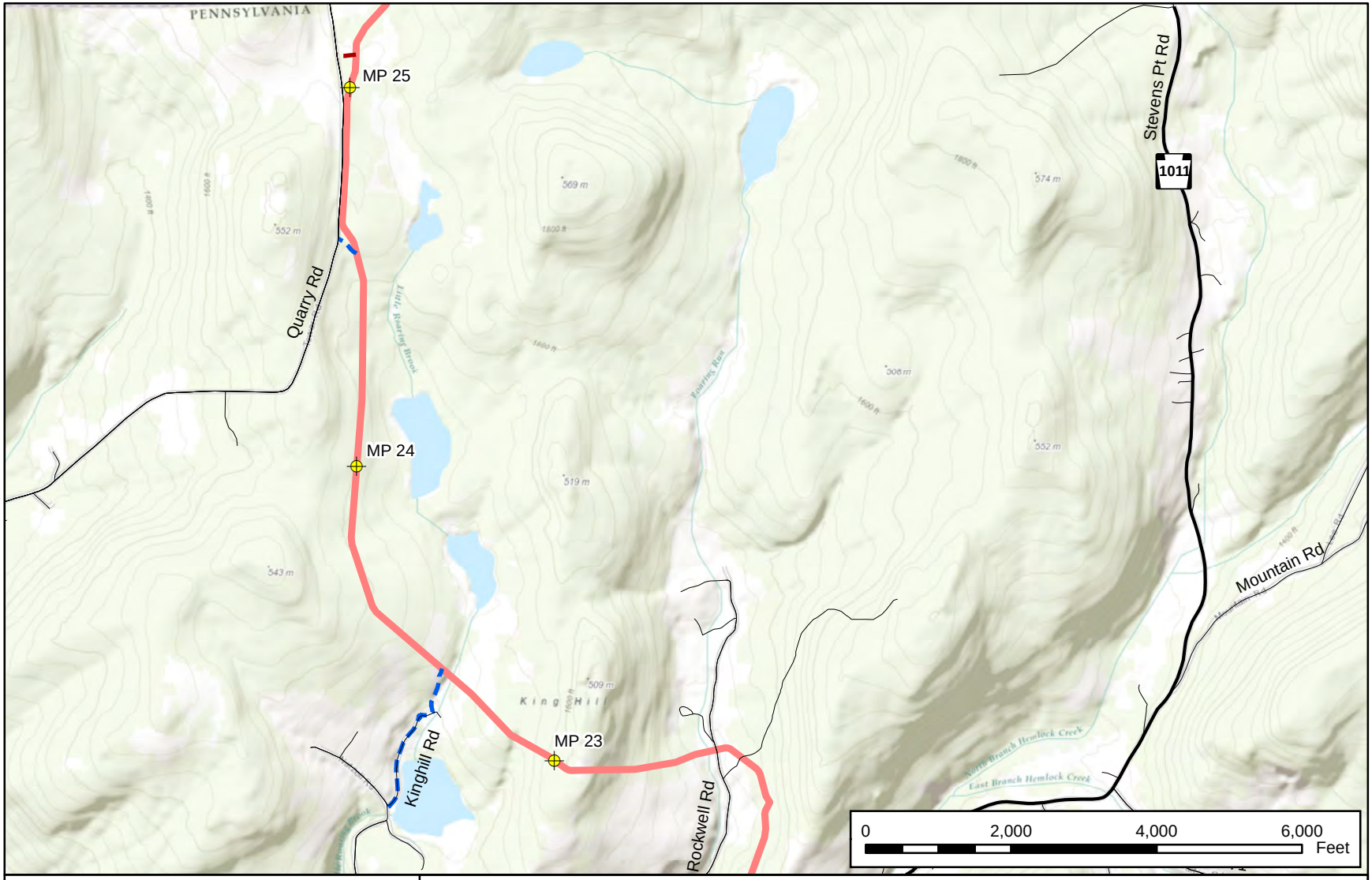

Main Line Valve & Communication Tower
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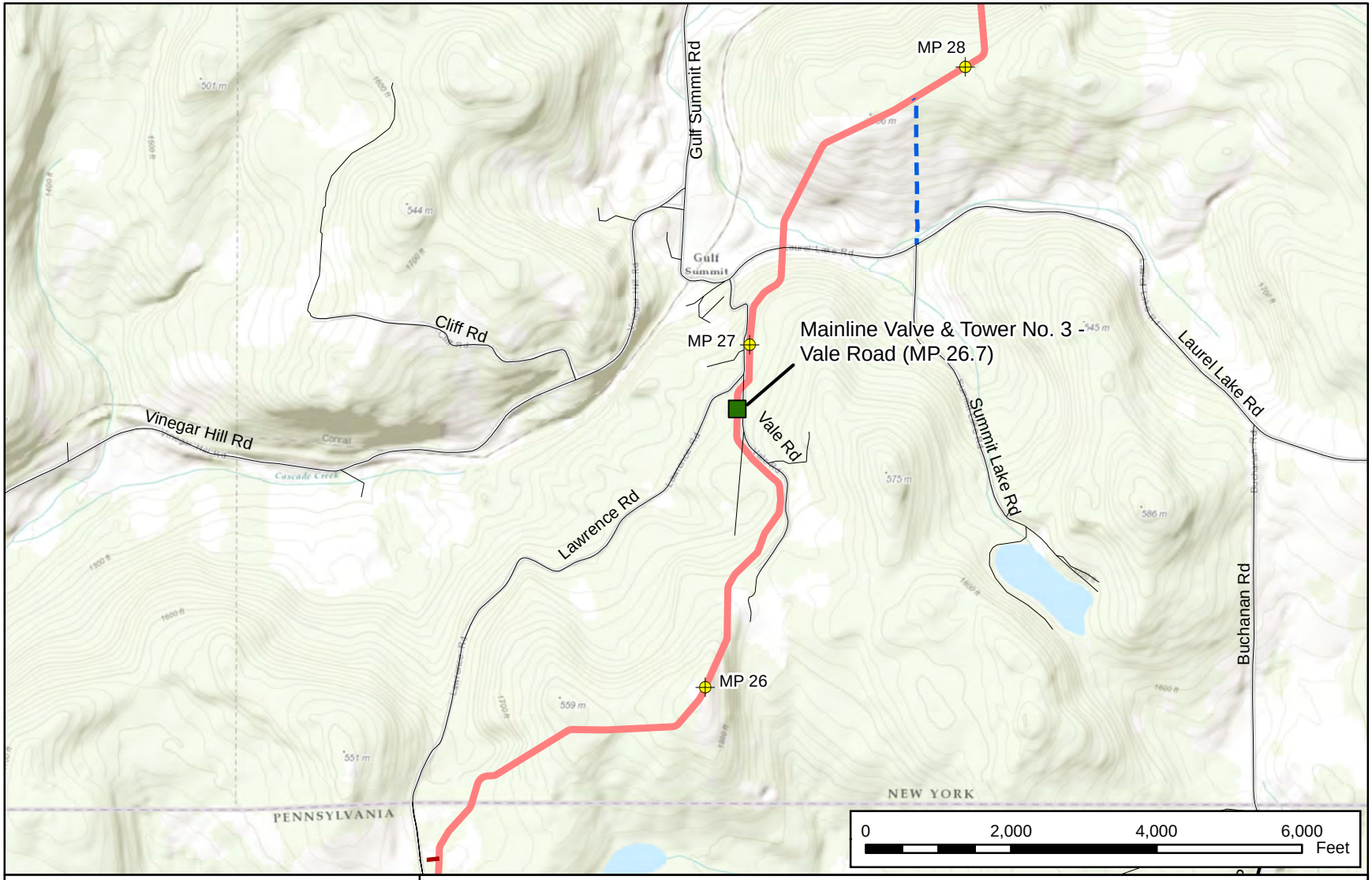
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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Constitution Pipeline Project
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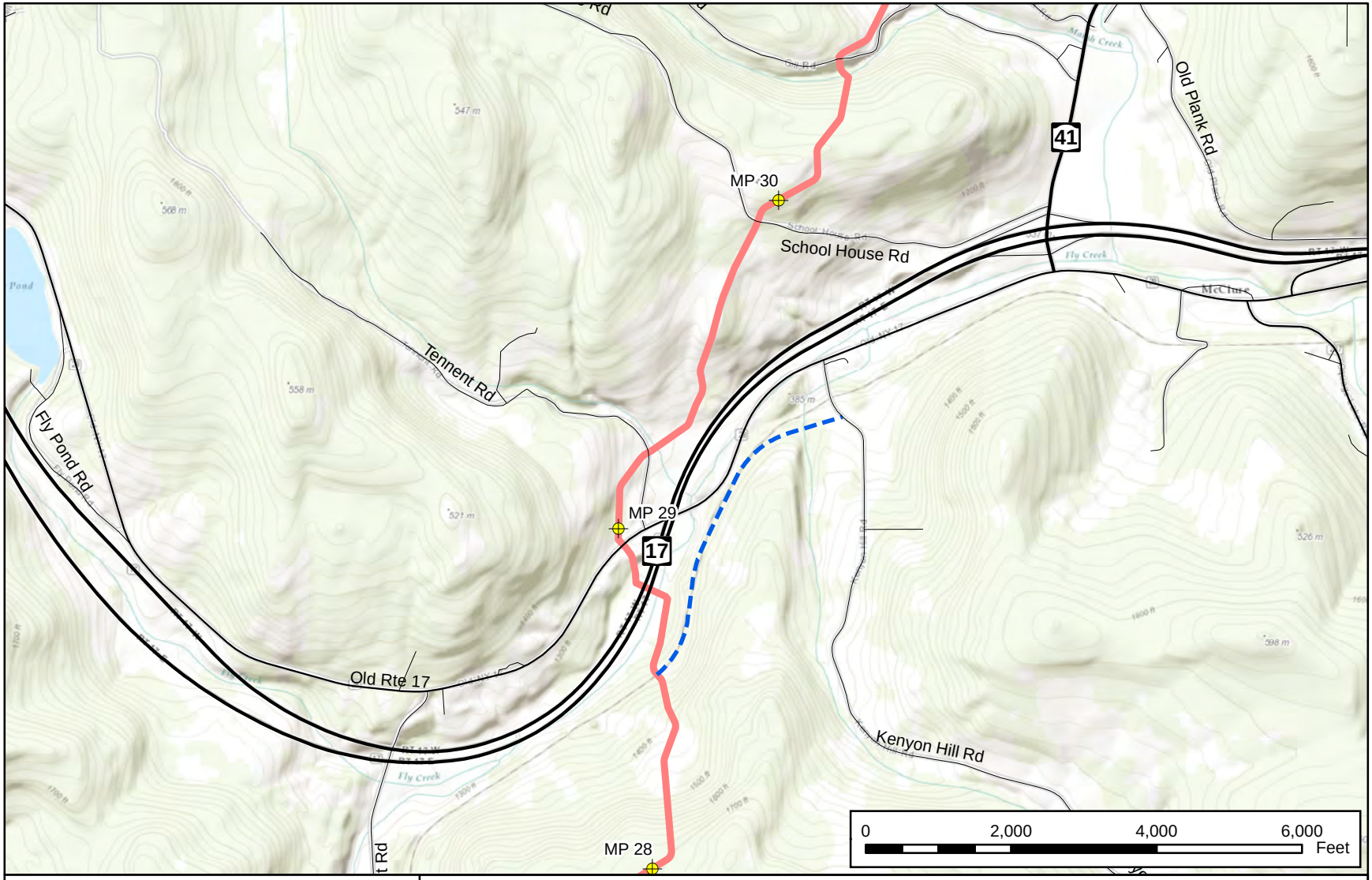

Main Line Valve & Communication Tower
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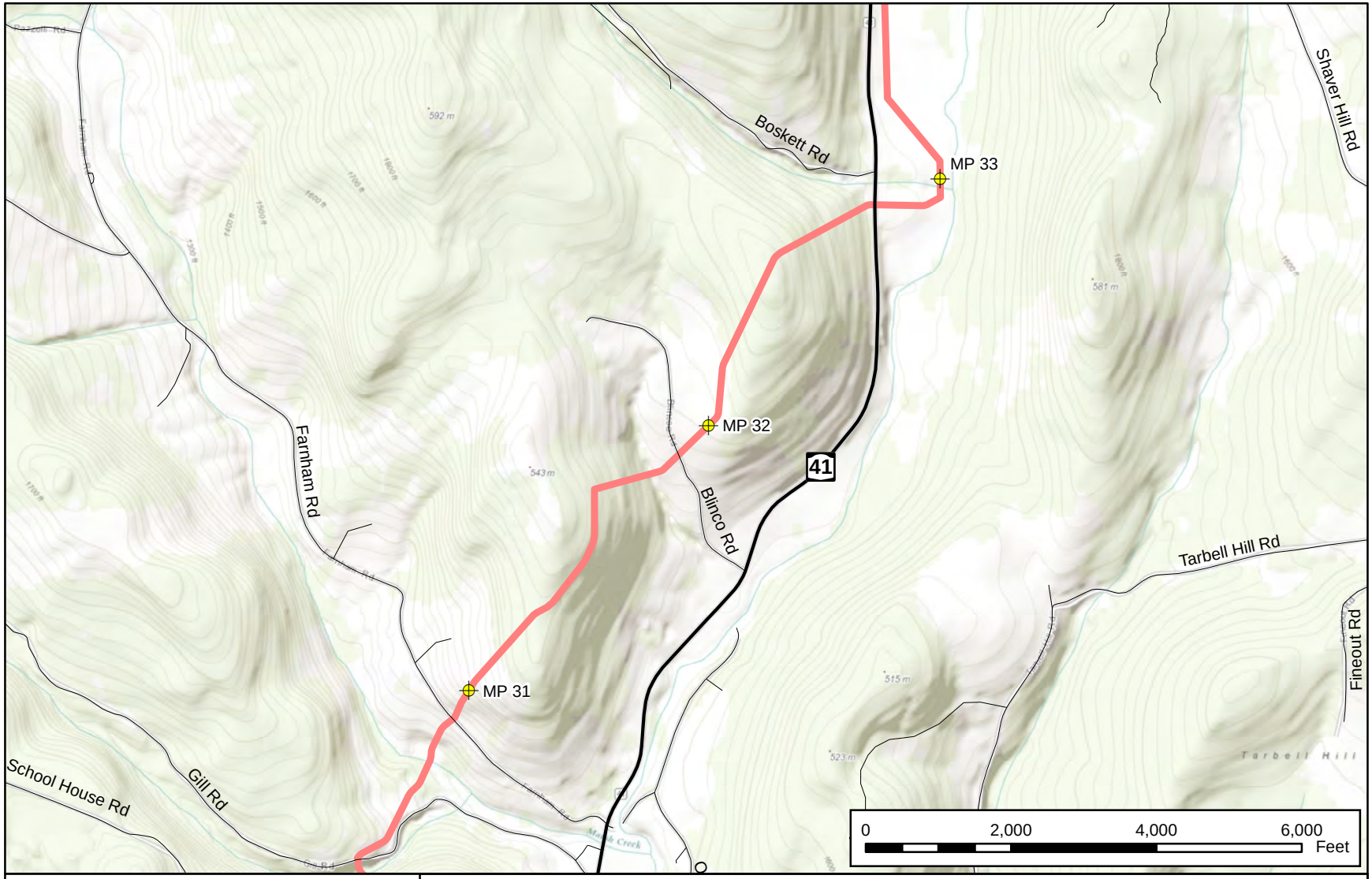
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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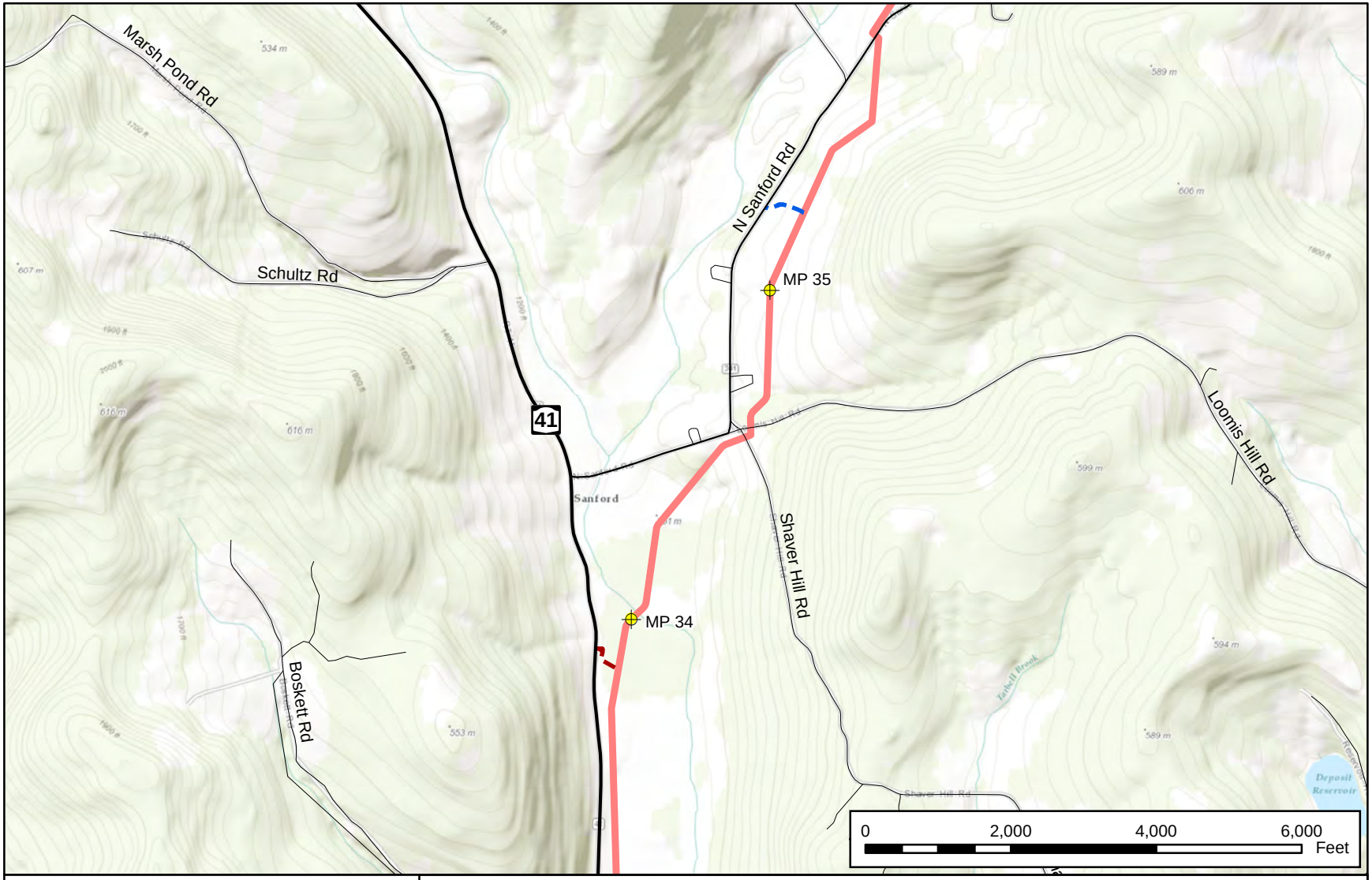
Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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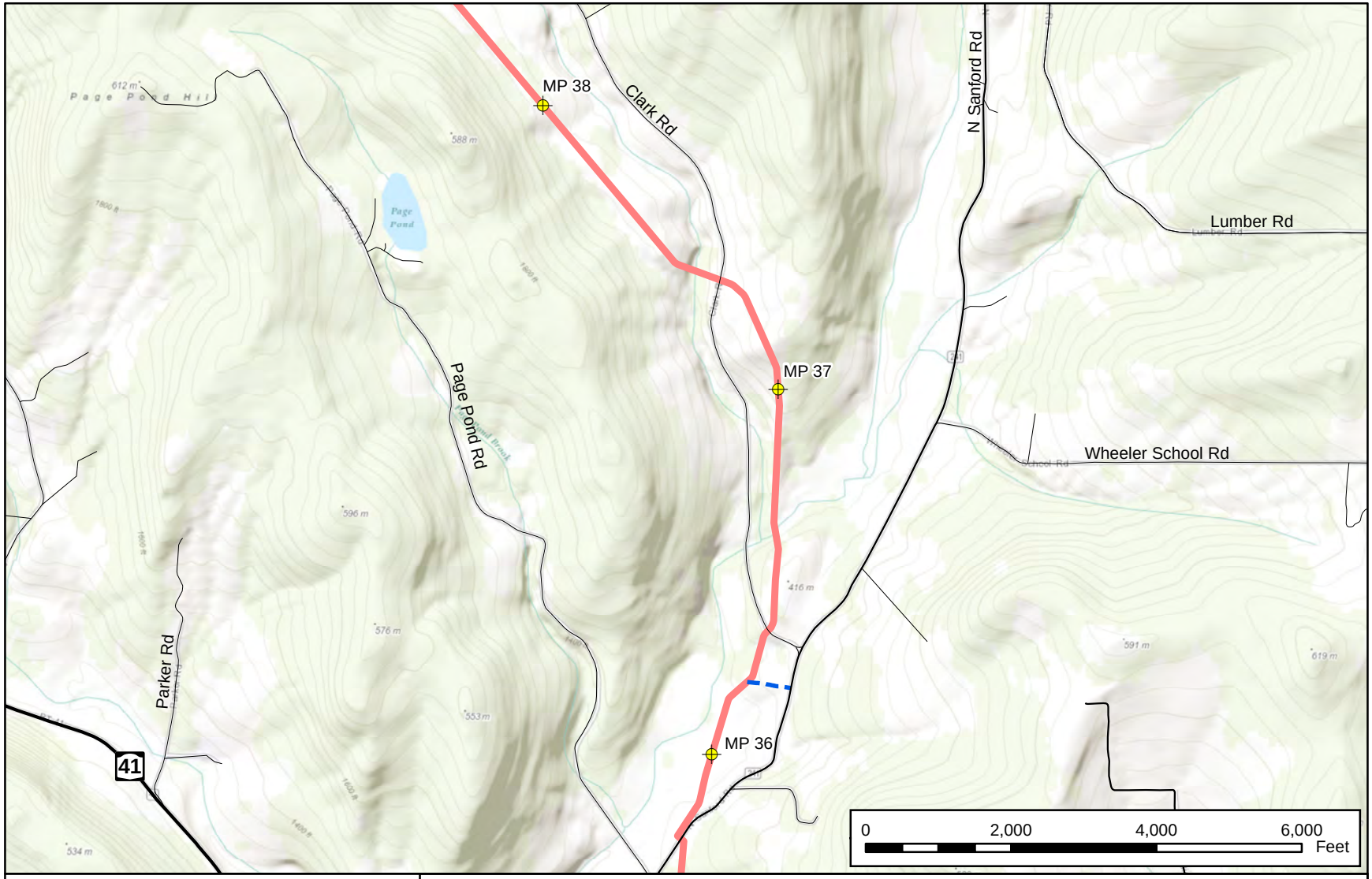

Main Line Valve & Communication Tower
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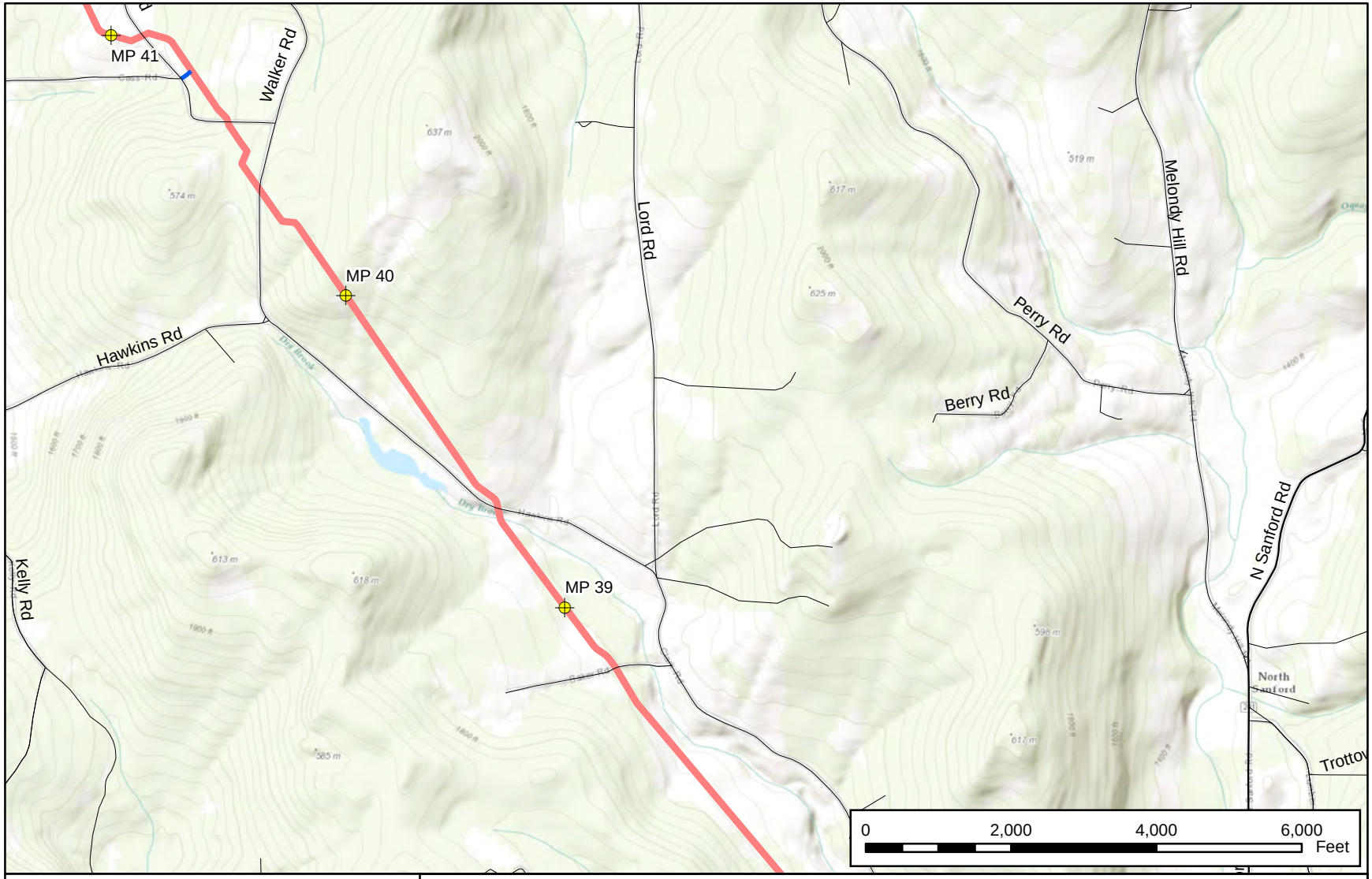
Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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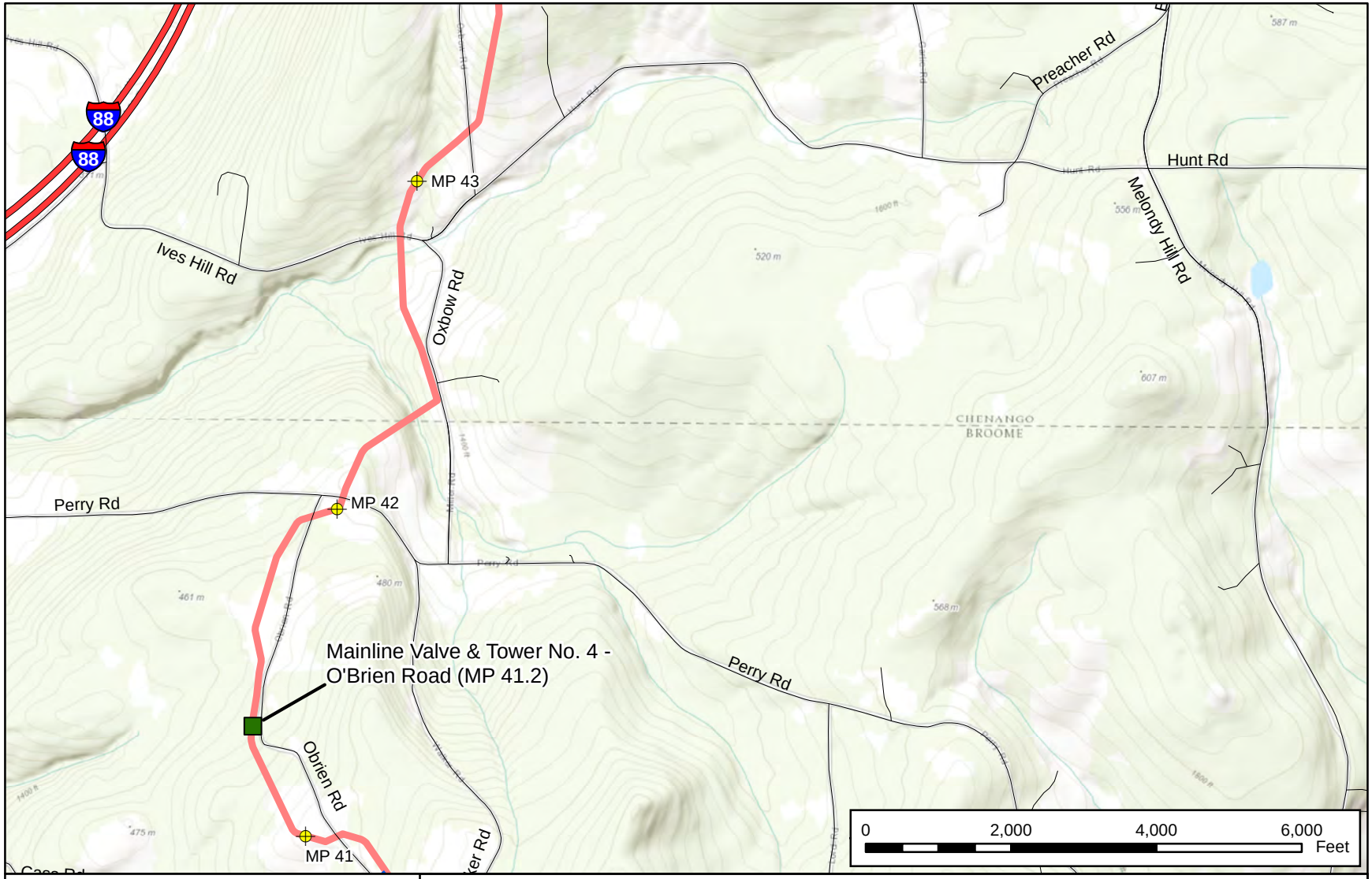
Appendix B
Constitution Pipeline Project
Project Overview Map



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Appendix B
Constitution Pipeline Project
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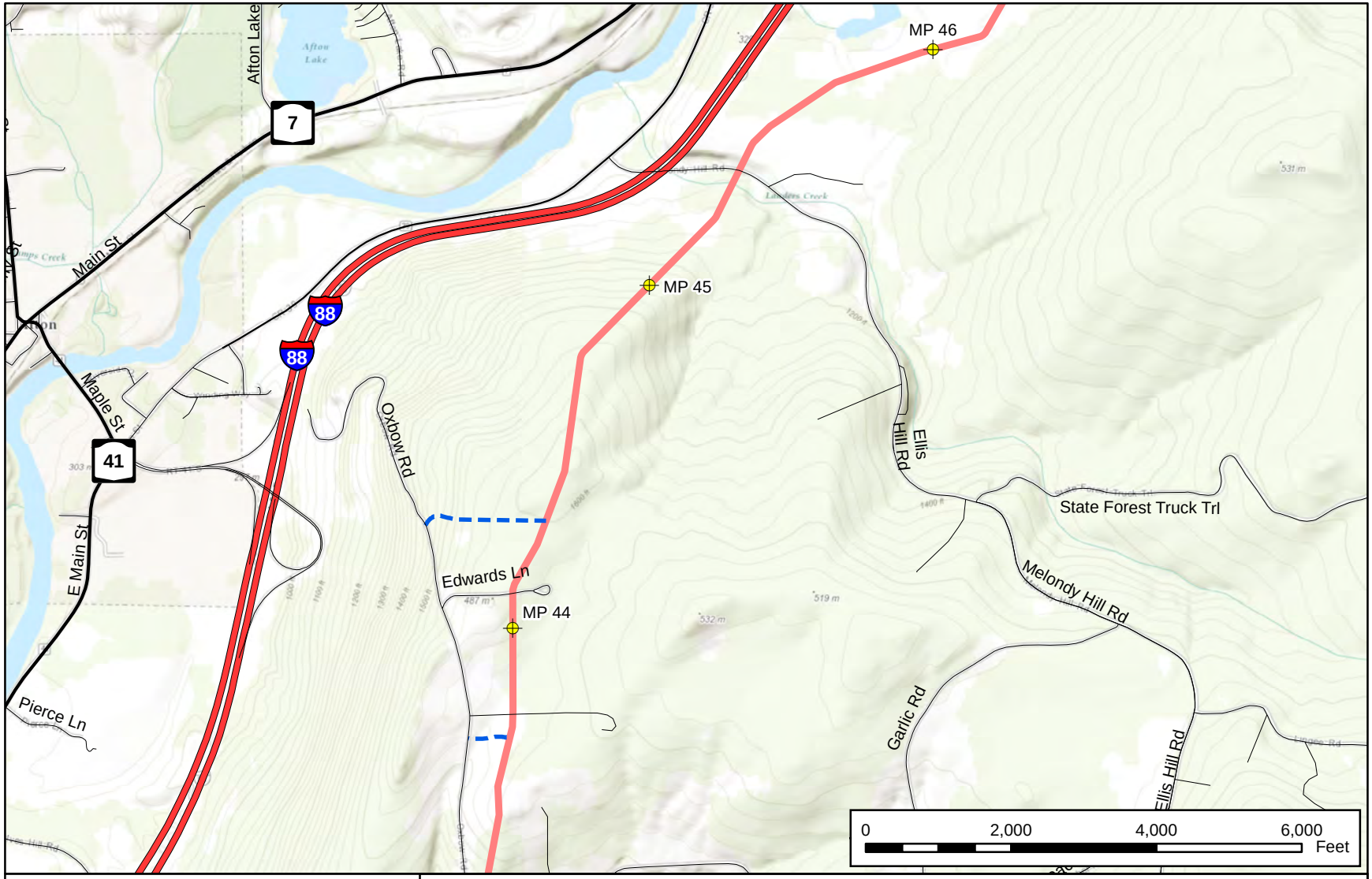

Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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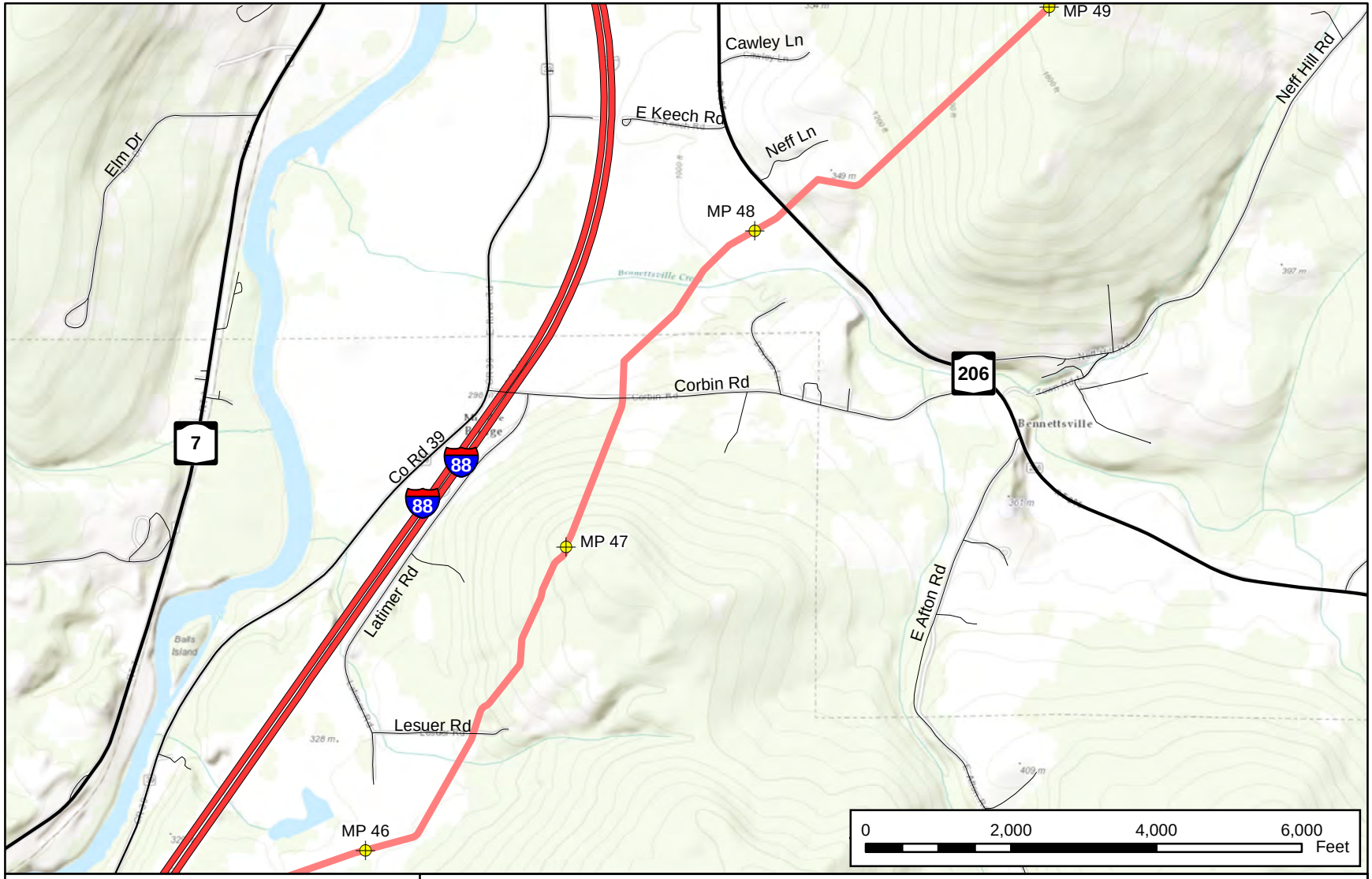

Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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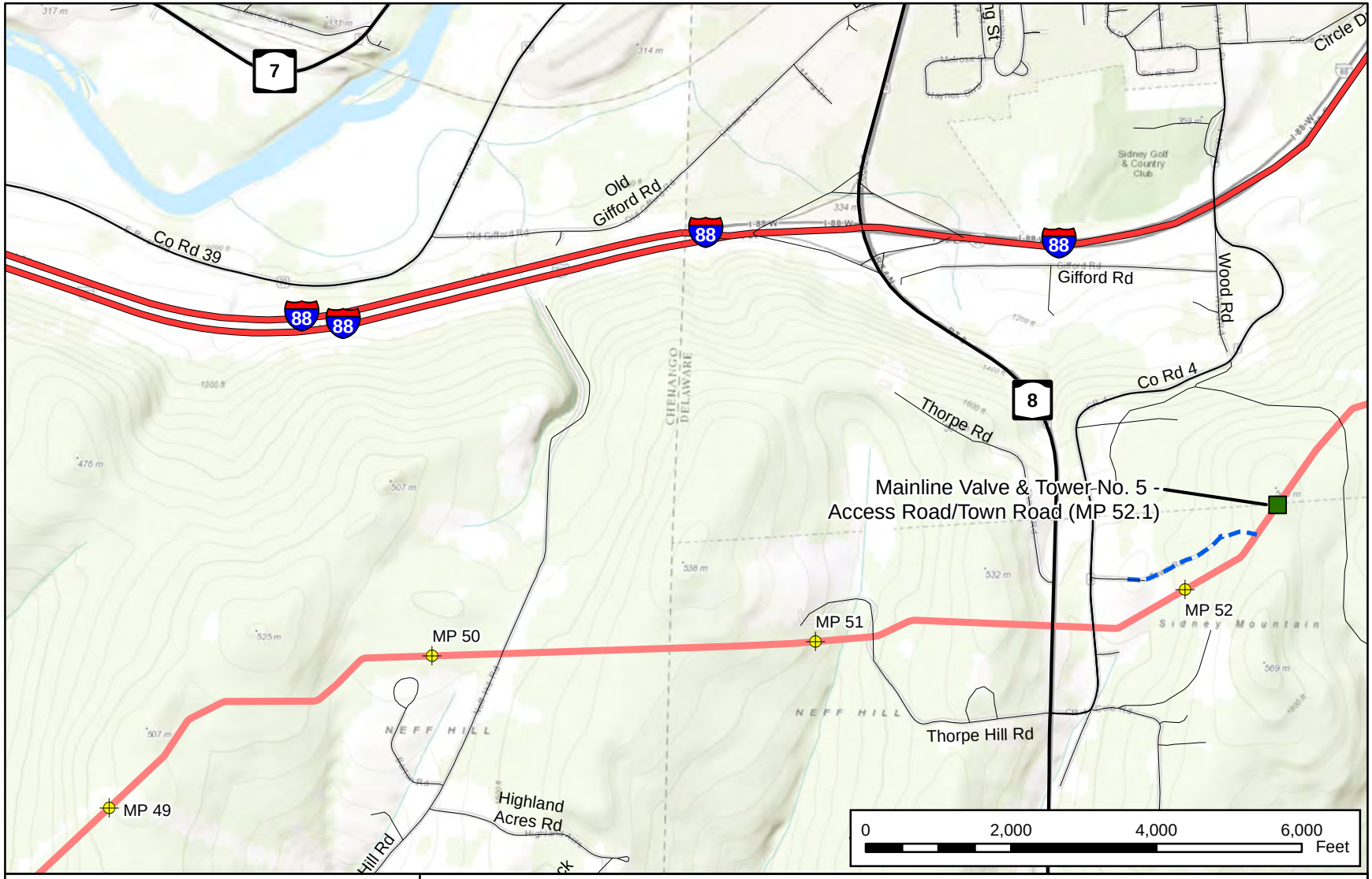

Main Line Valve & Communication Tower
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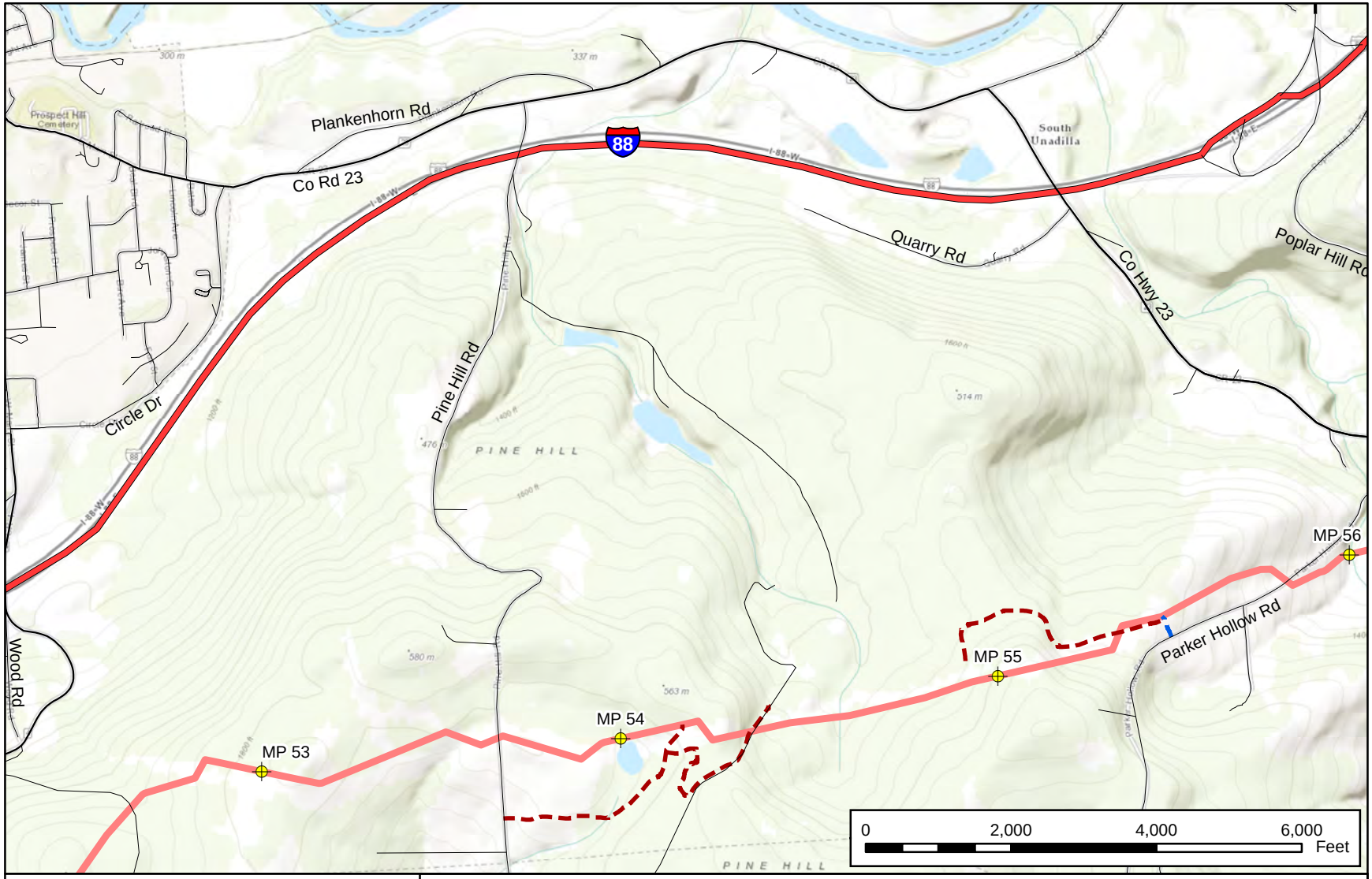
Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
Permanent Access Road
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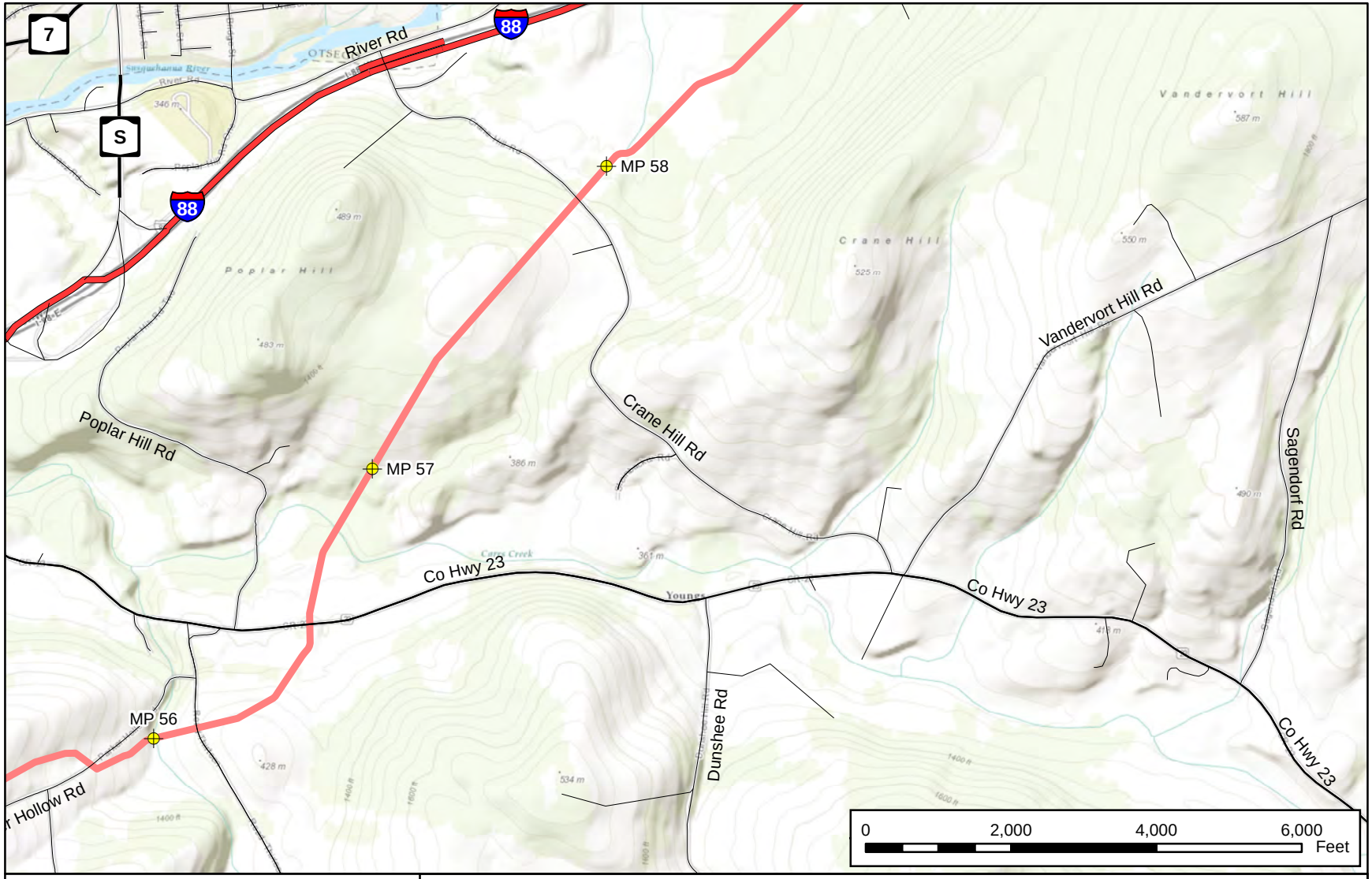
Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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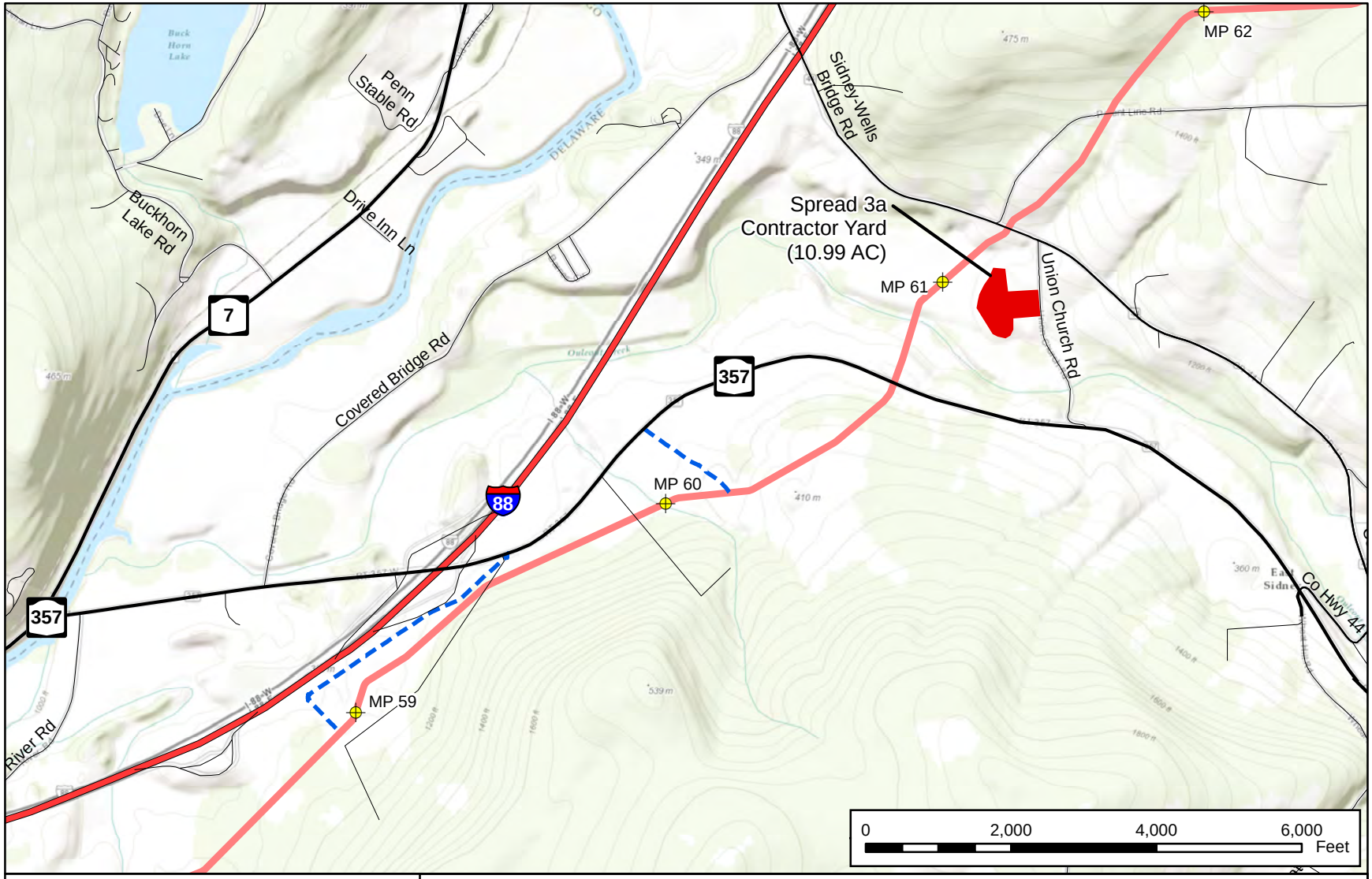

Main Line Valve & Communication Tower
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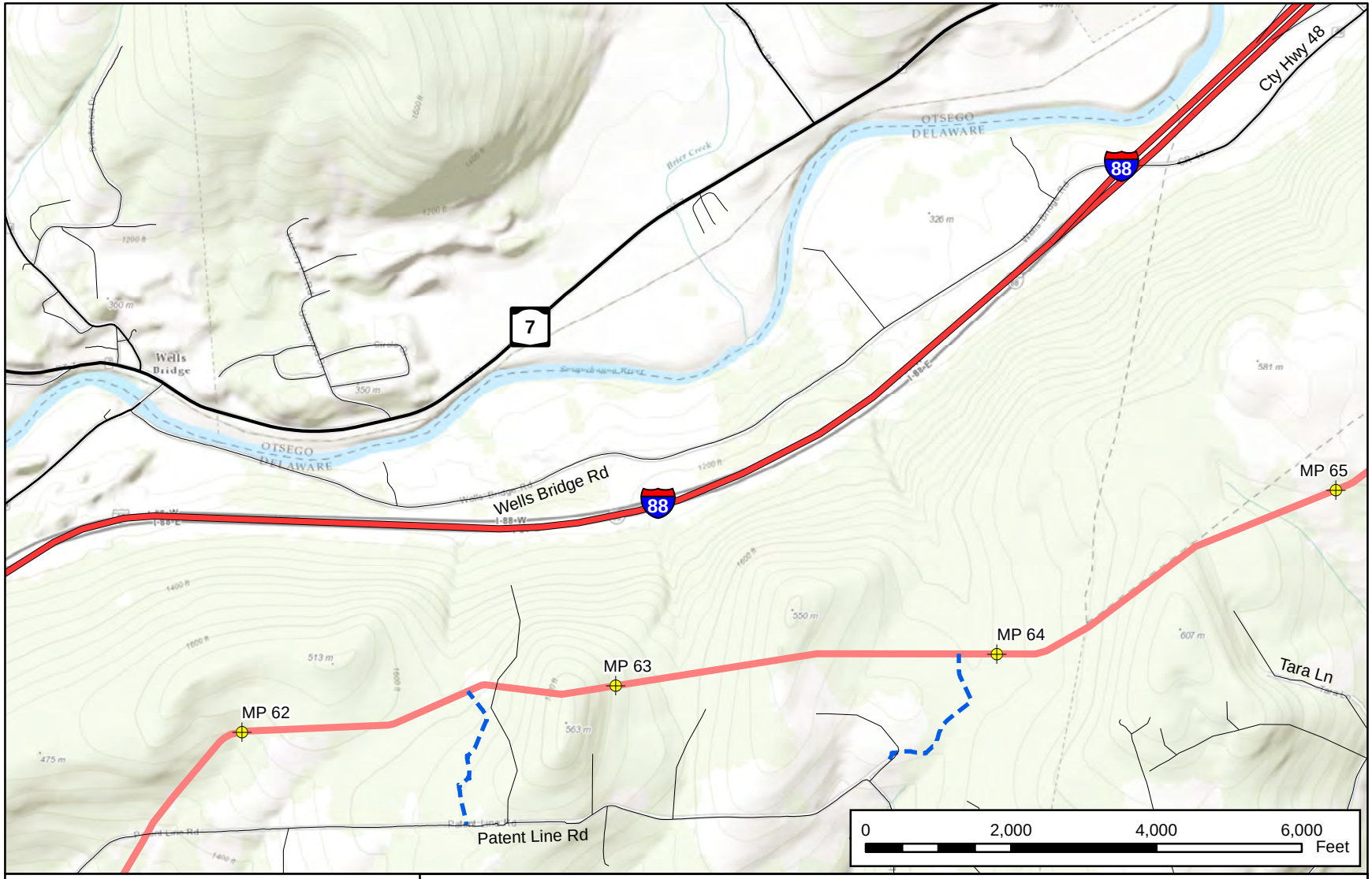
Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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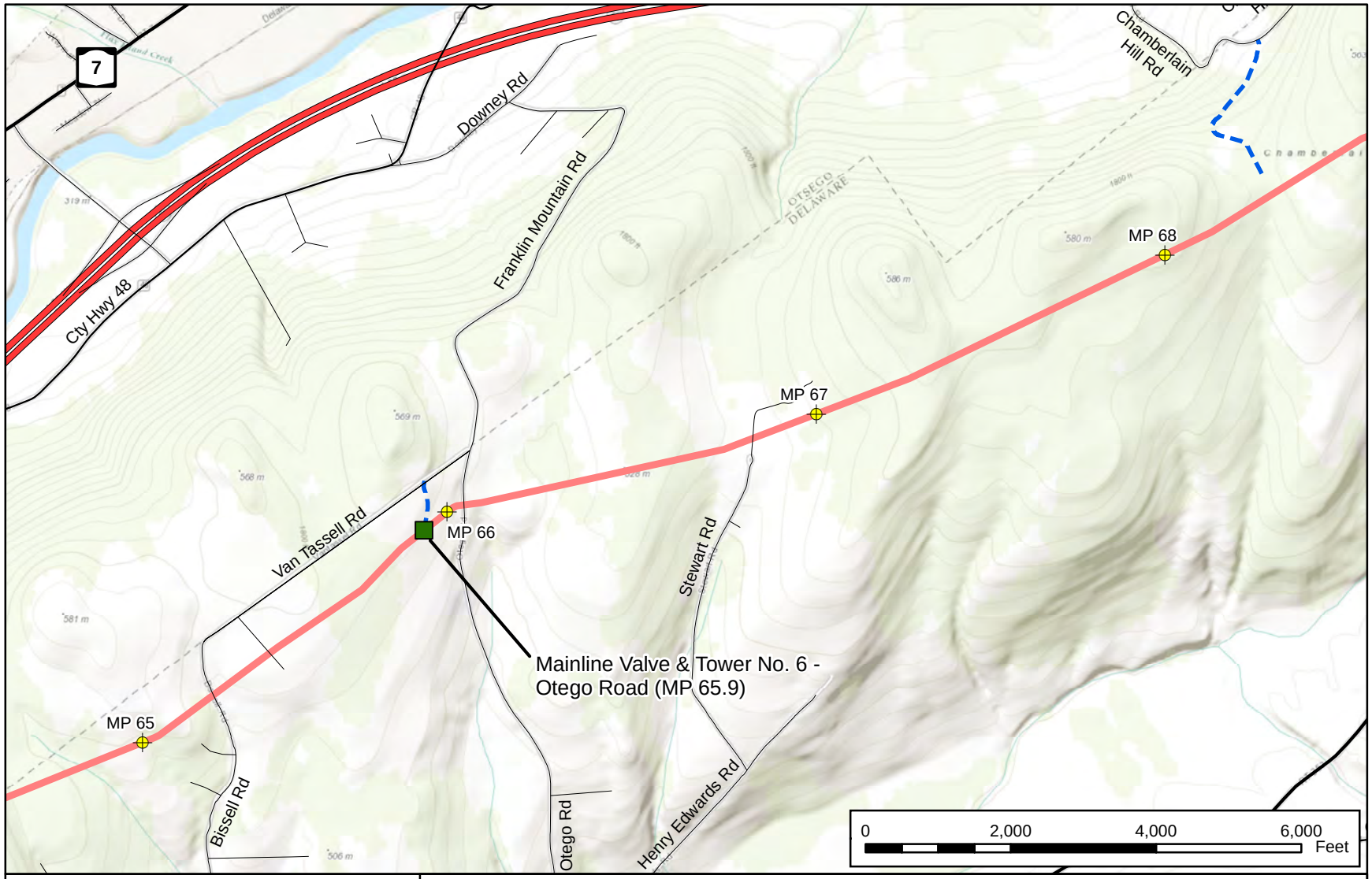

Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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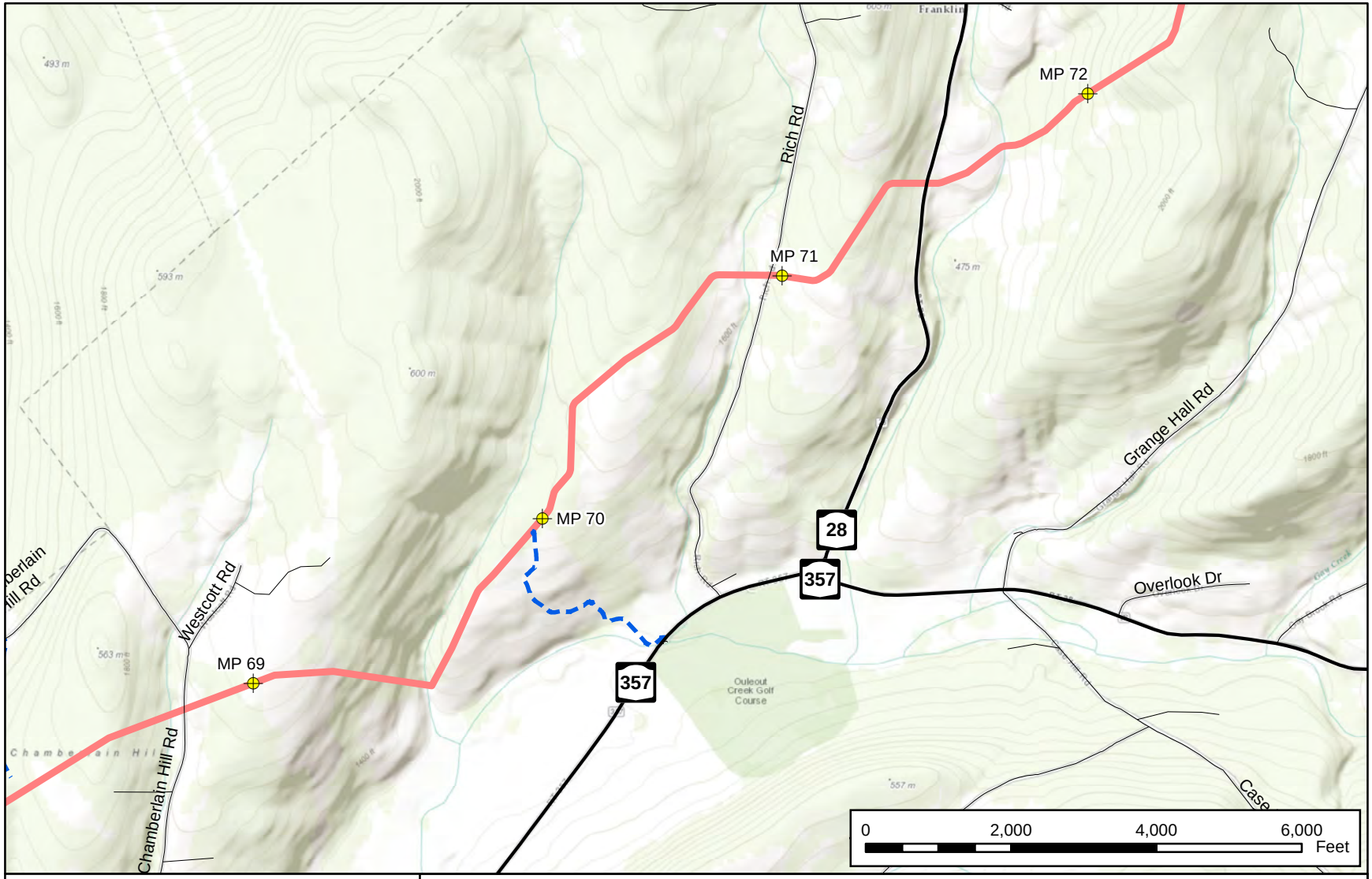

Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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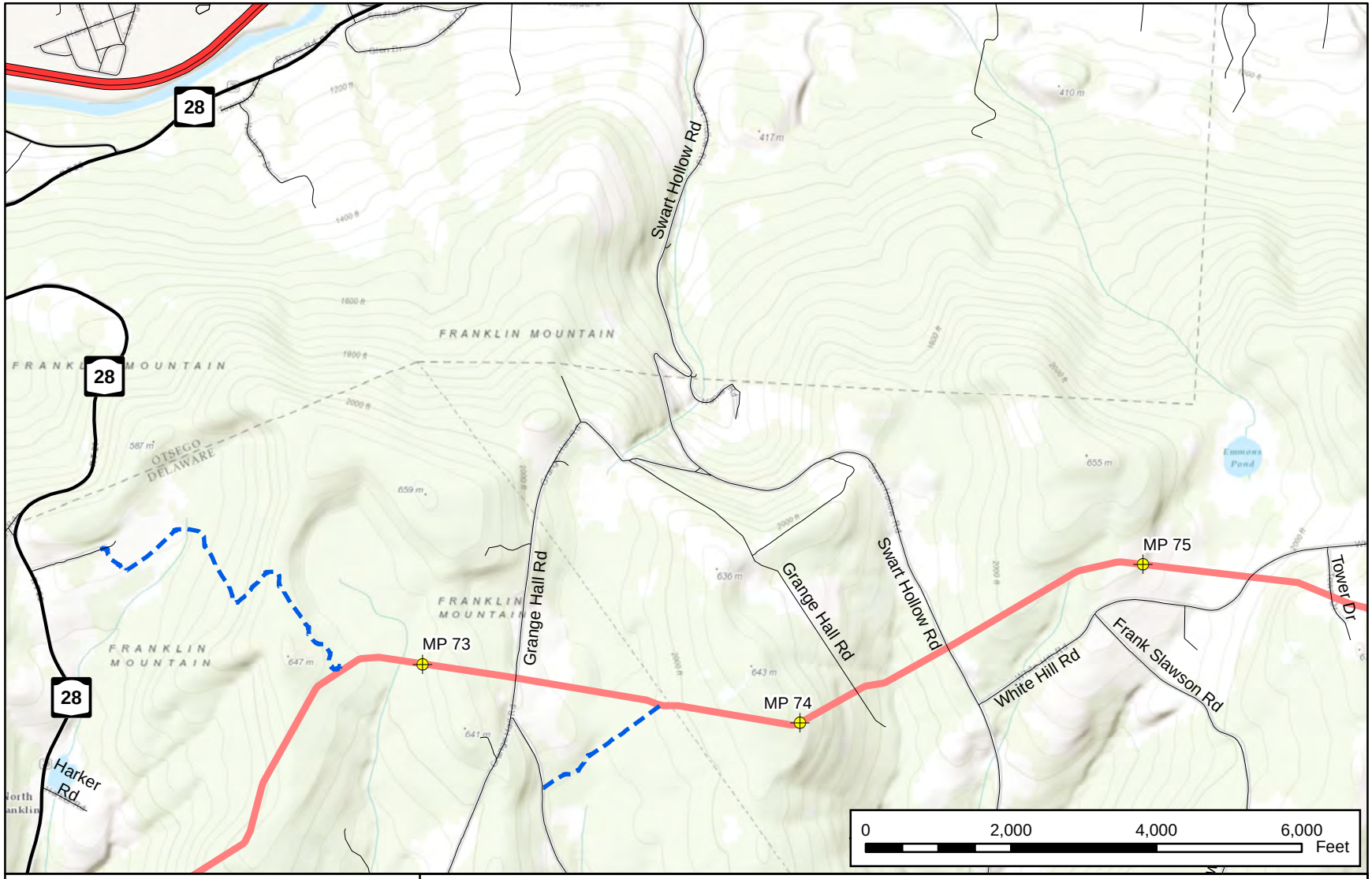

Main Line Valve & Communication Tower
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Appendix B
Constitution Pipeline Project
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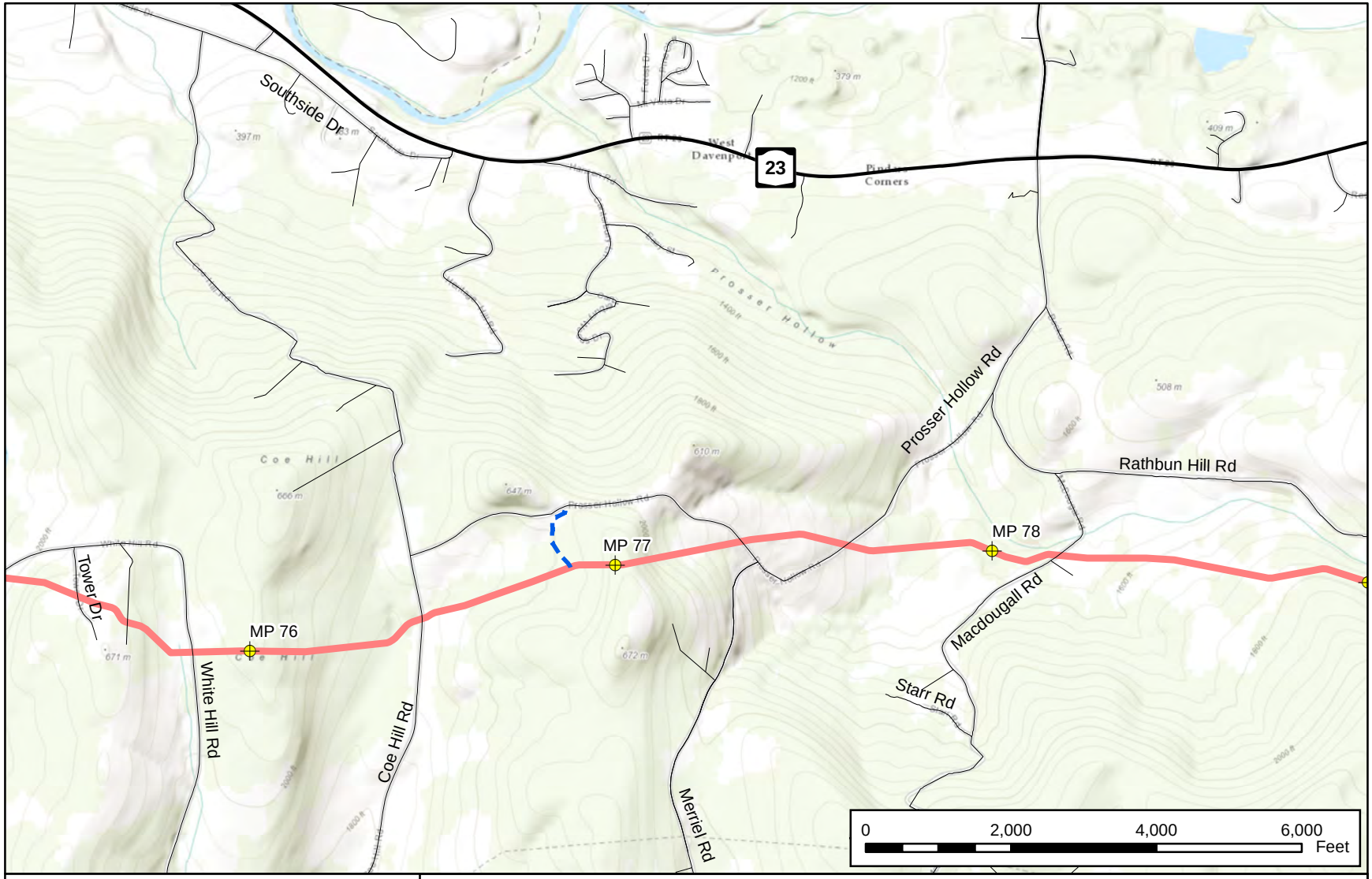

Main Line Valve & Communication Tower
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Constitution Pipeline Project
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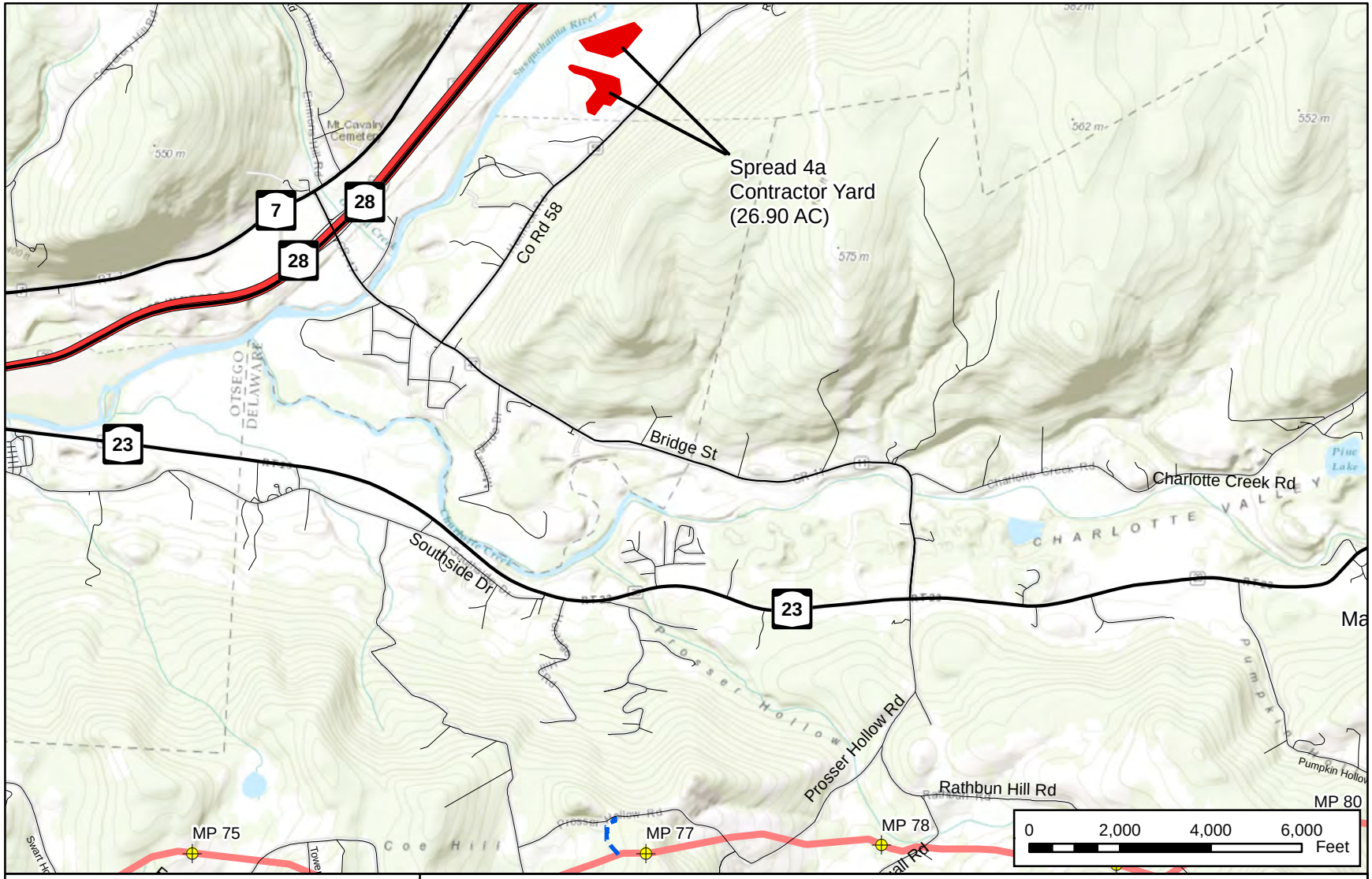

Main Line Valve & Communication Tower
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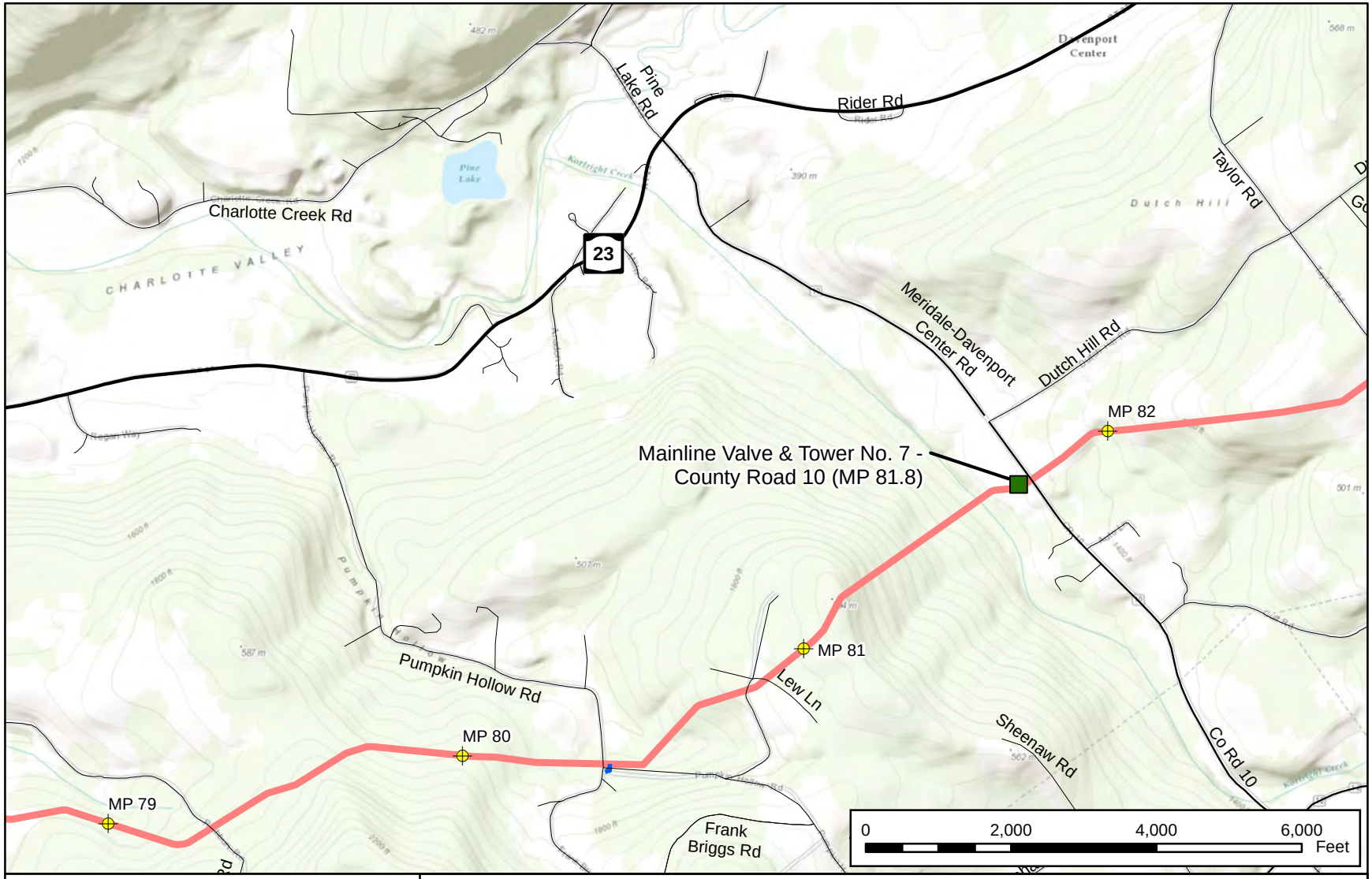
Appendix B
Constitution Pipeline Project
Project Overview Map



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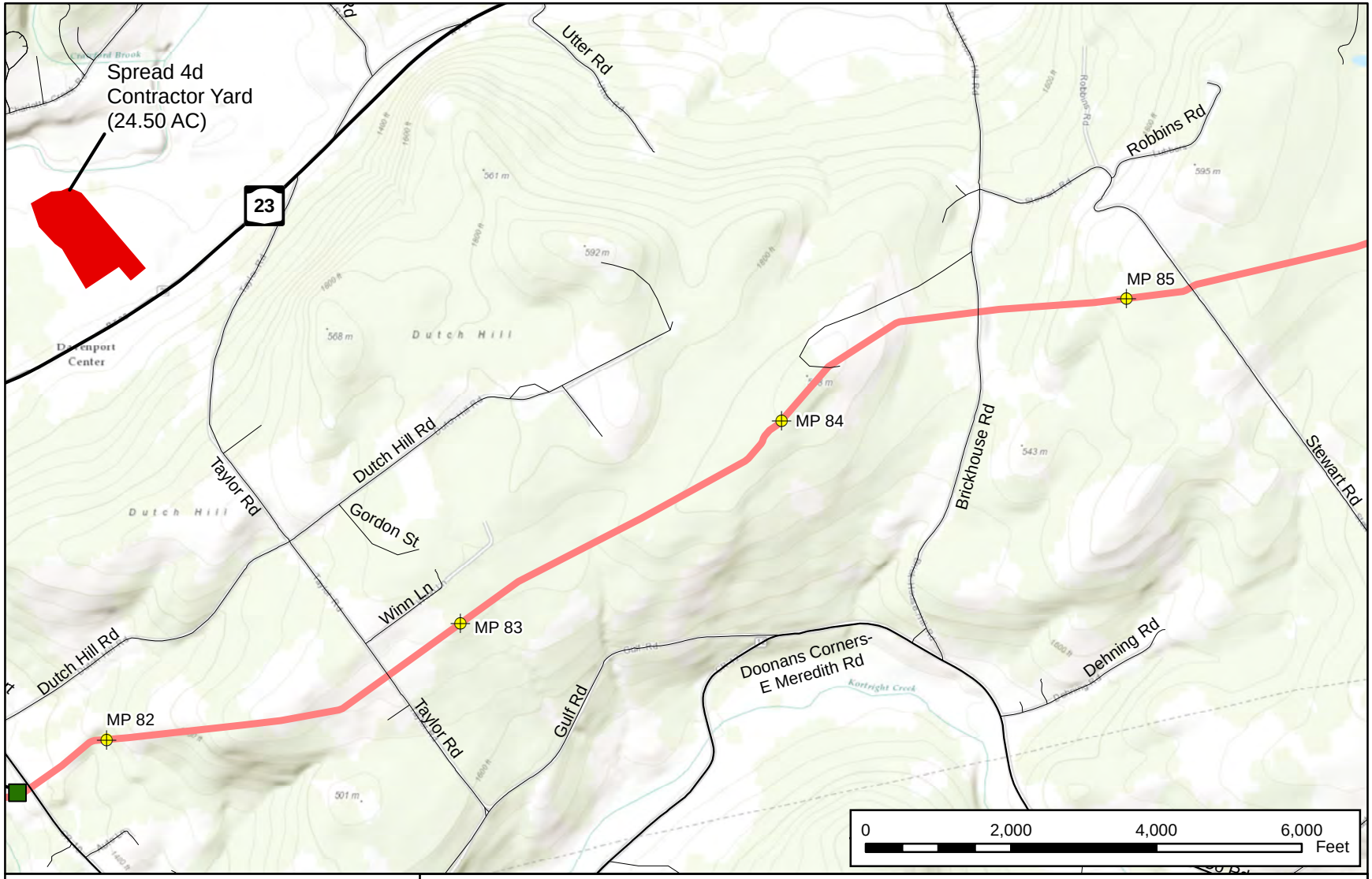

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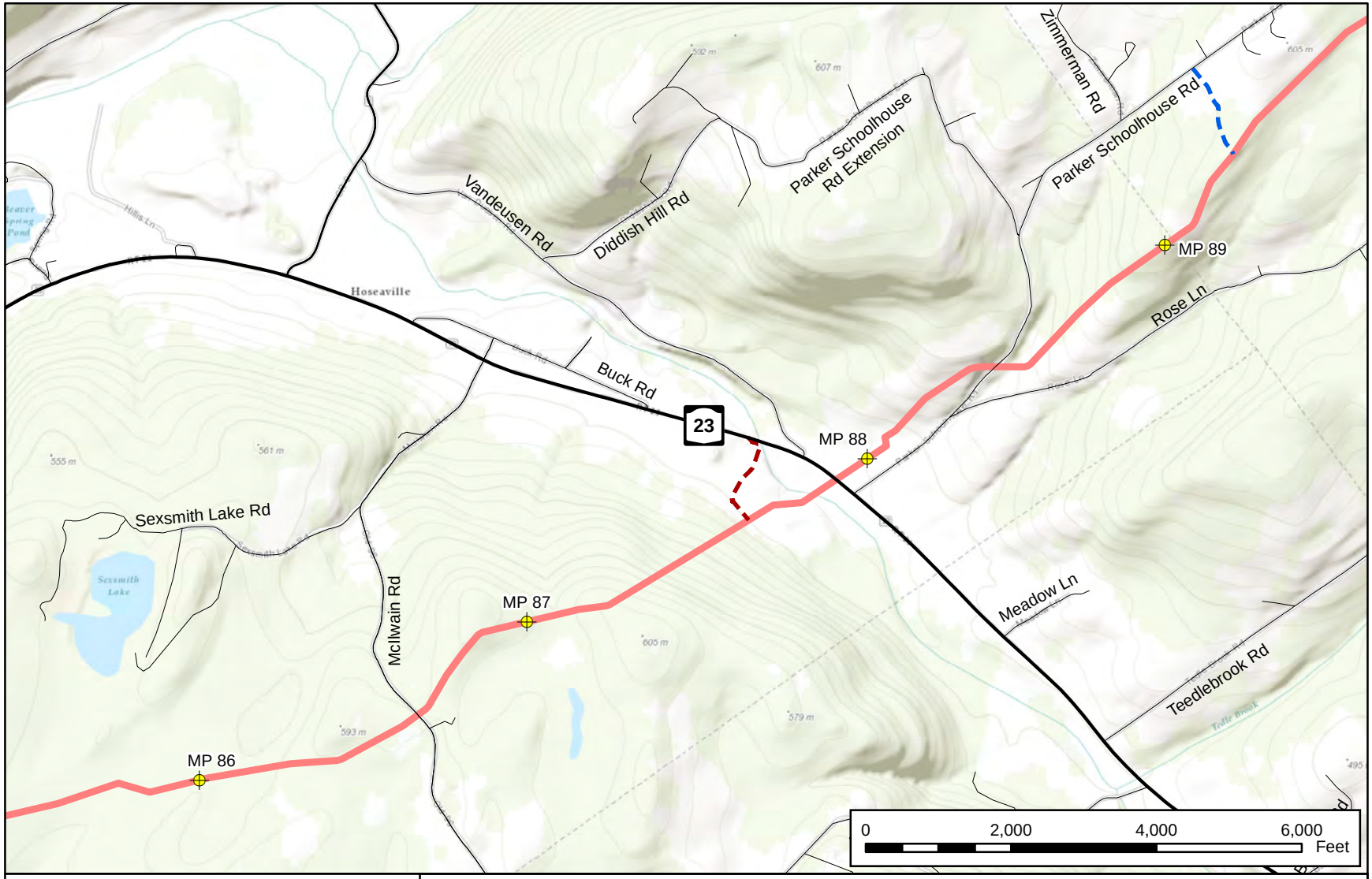
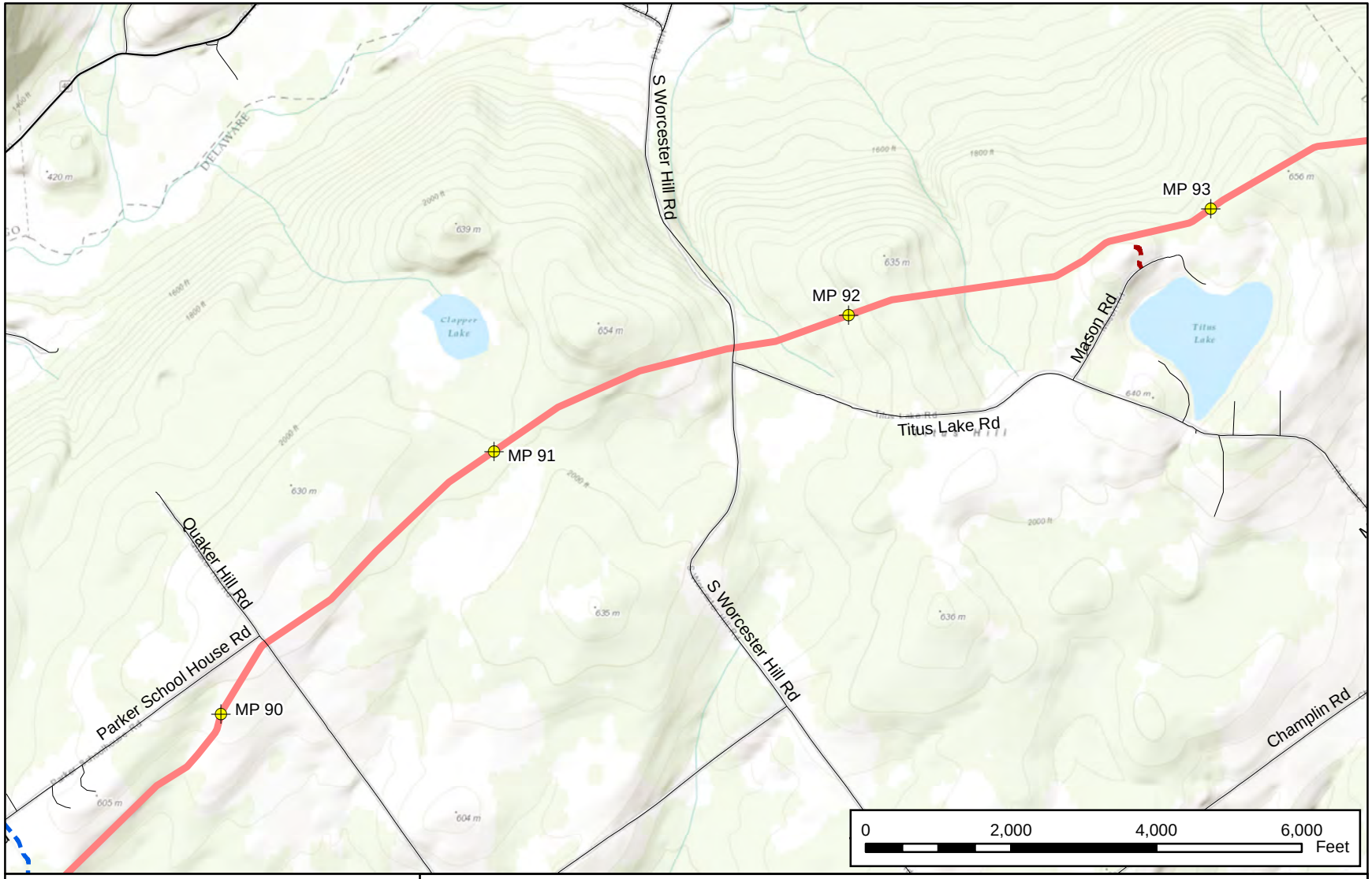
Constitution Pipeline Project
Project Overview Map



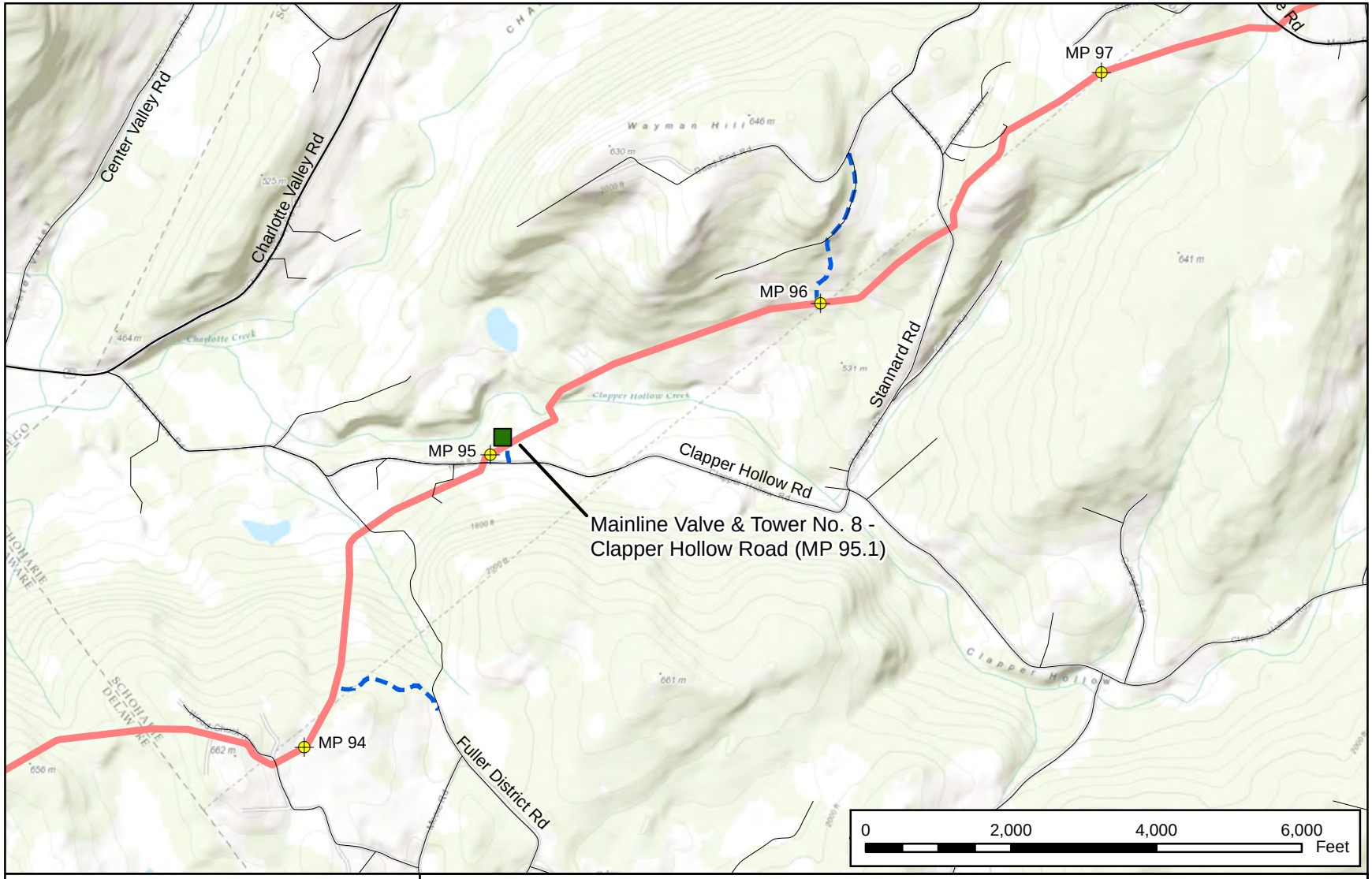
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



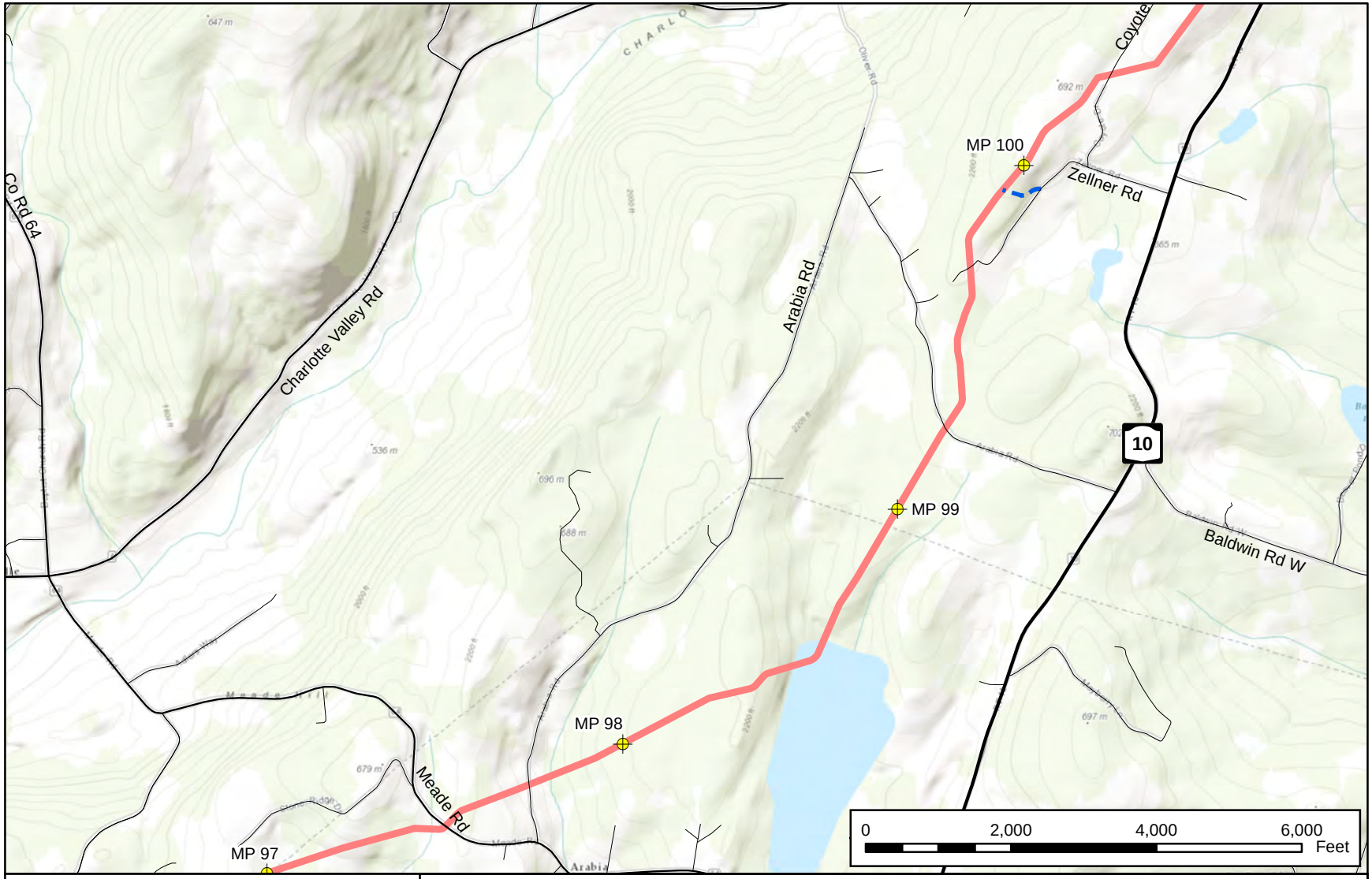
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



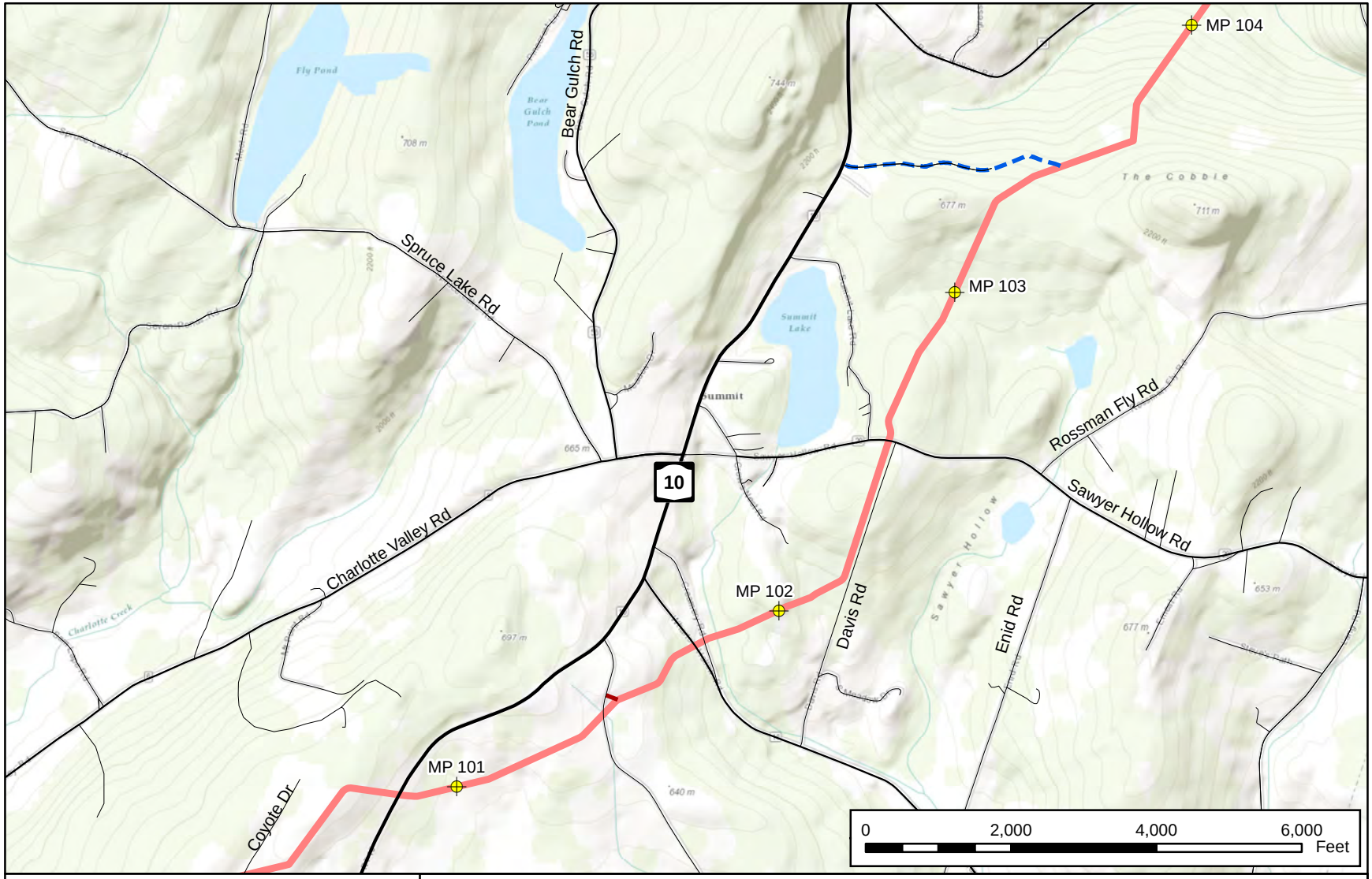
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



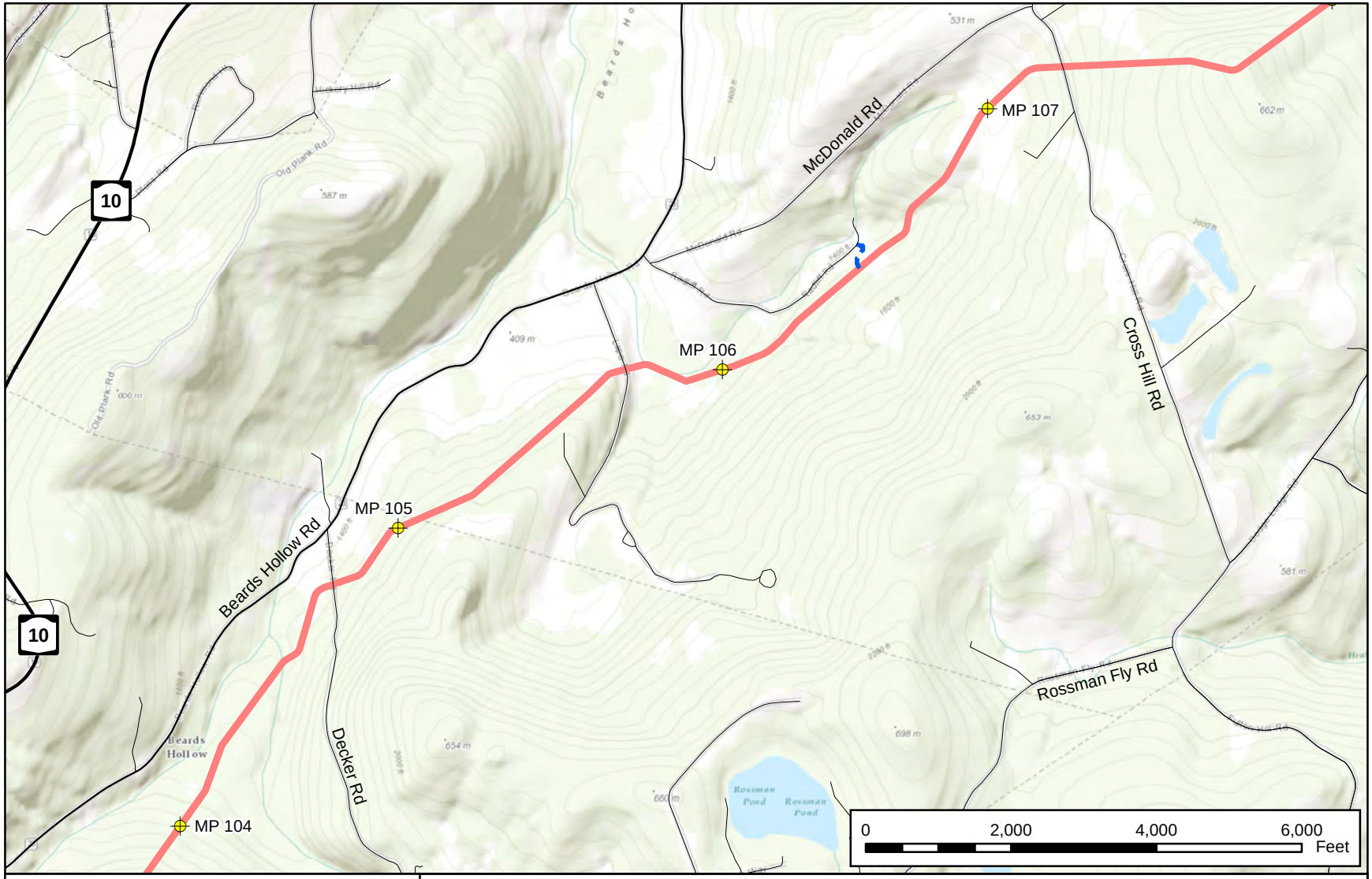
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



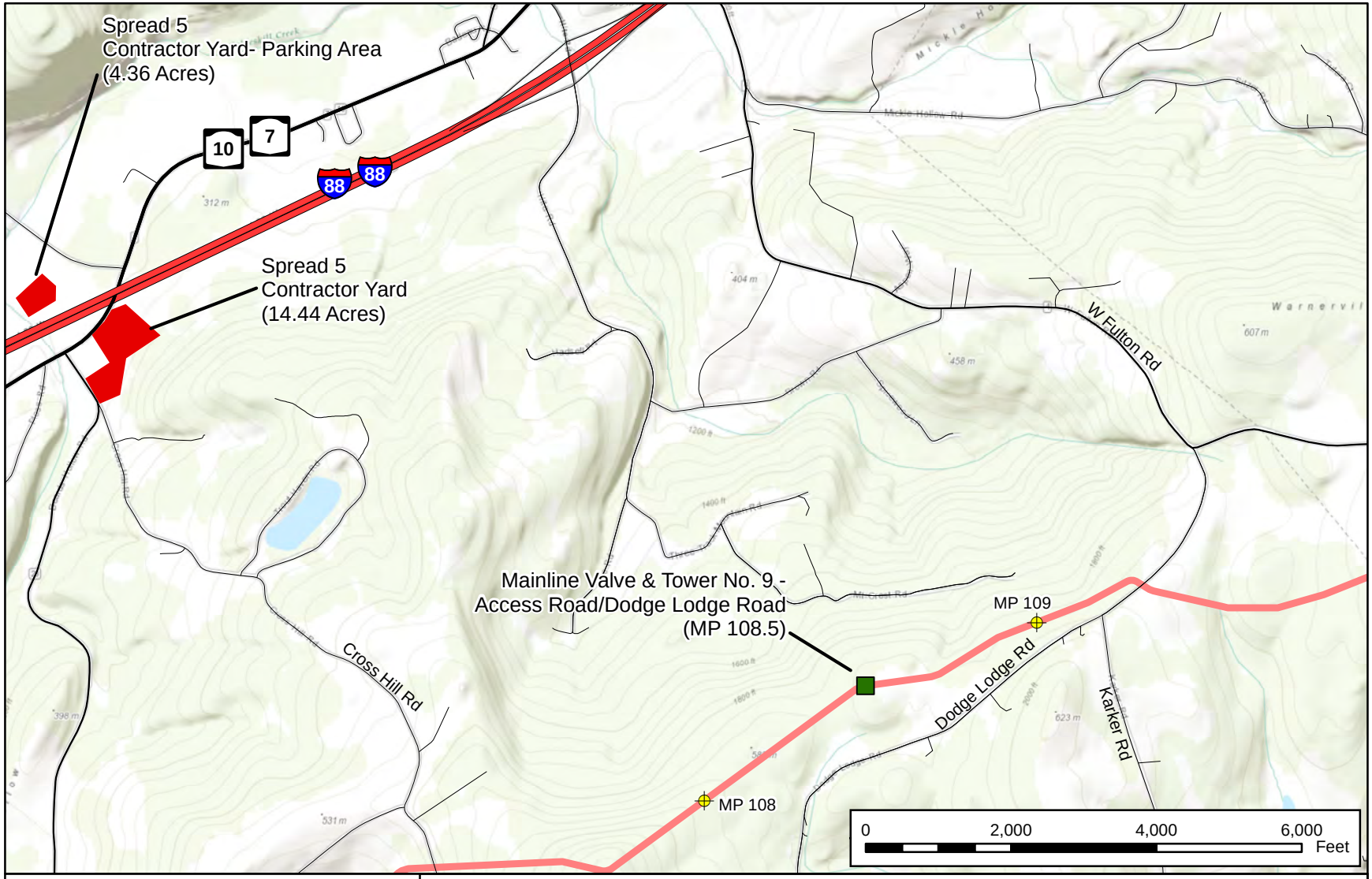
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



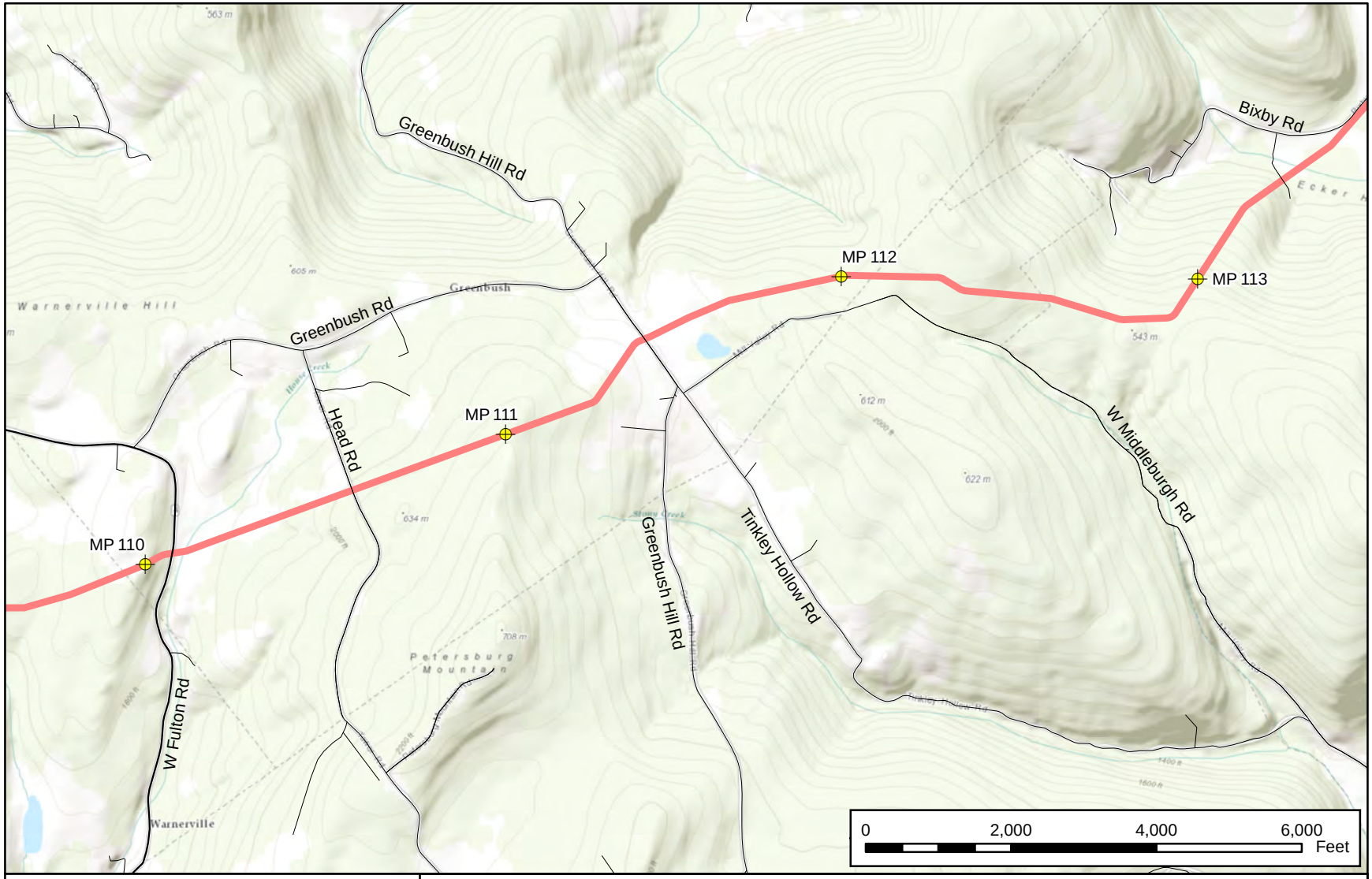
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



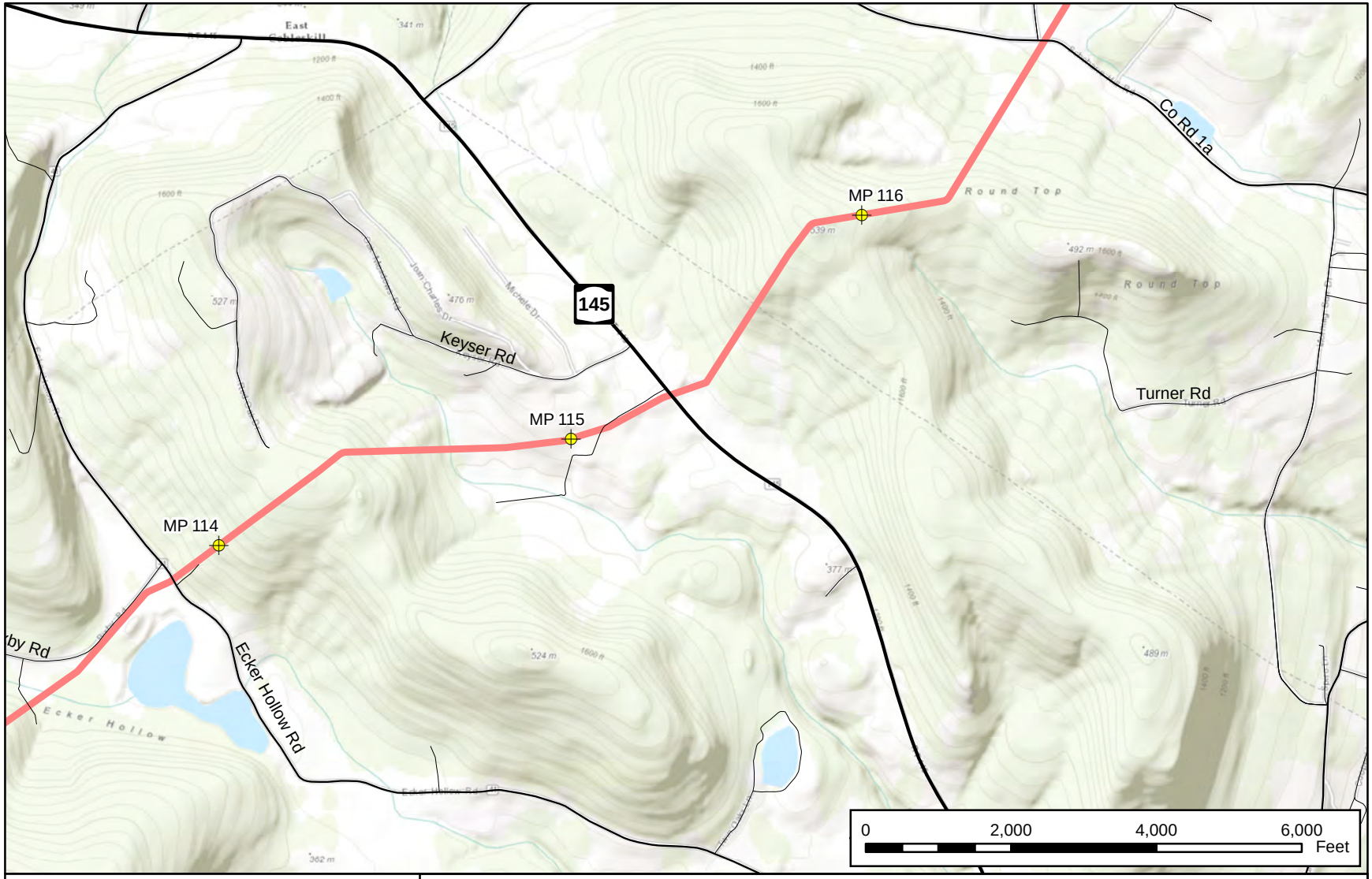
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



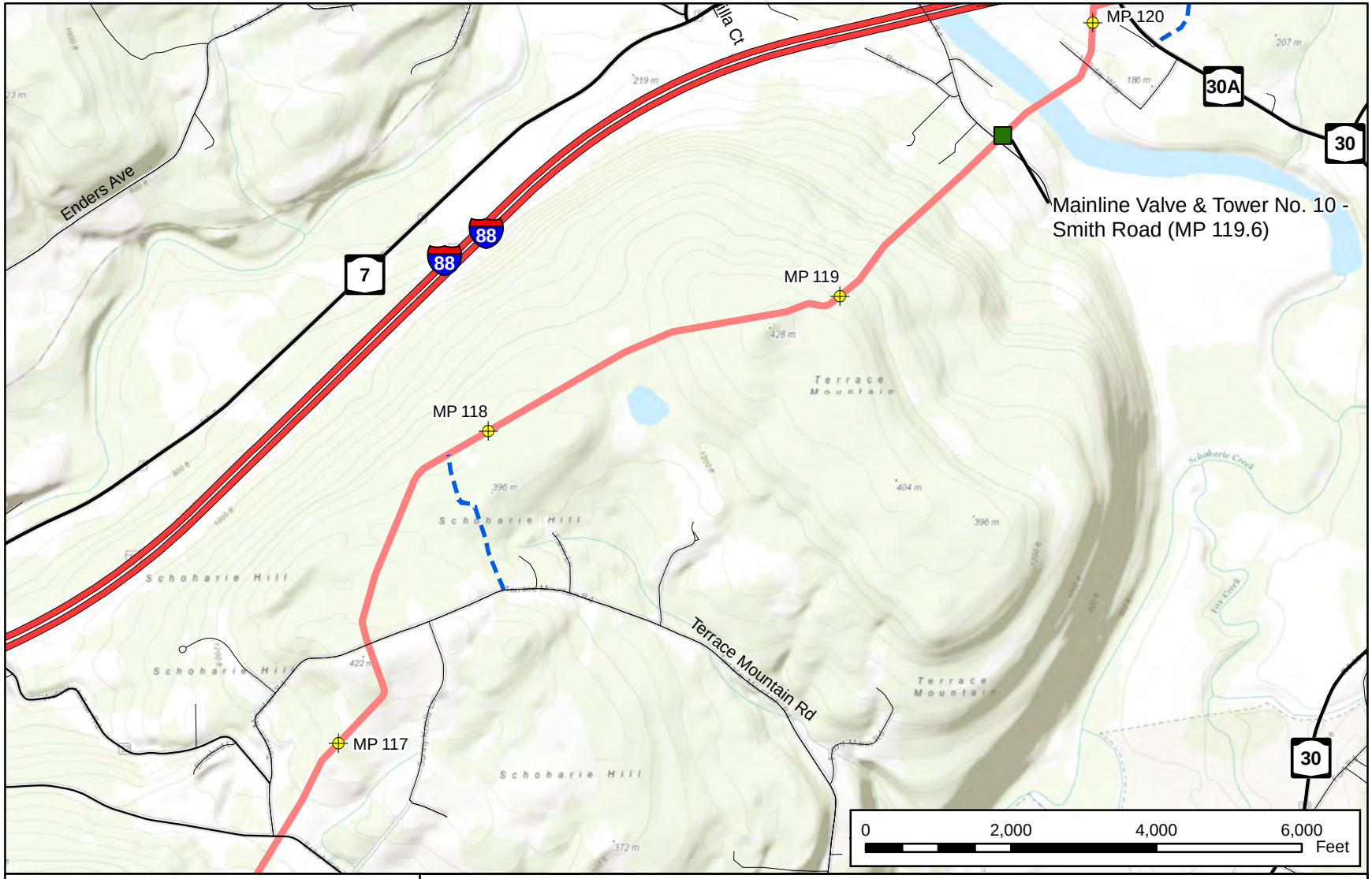
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



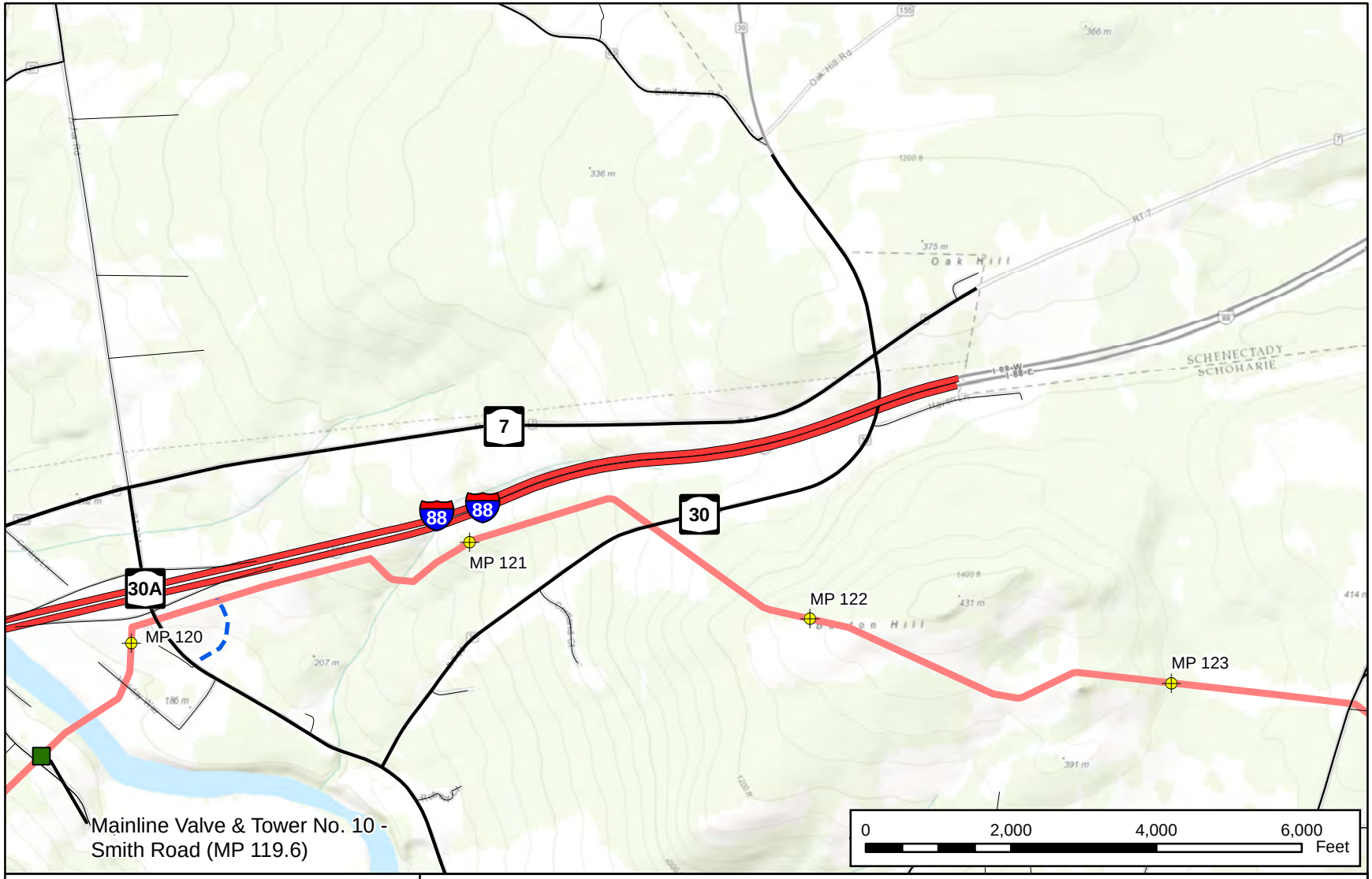
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



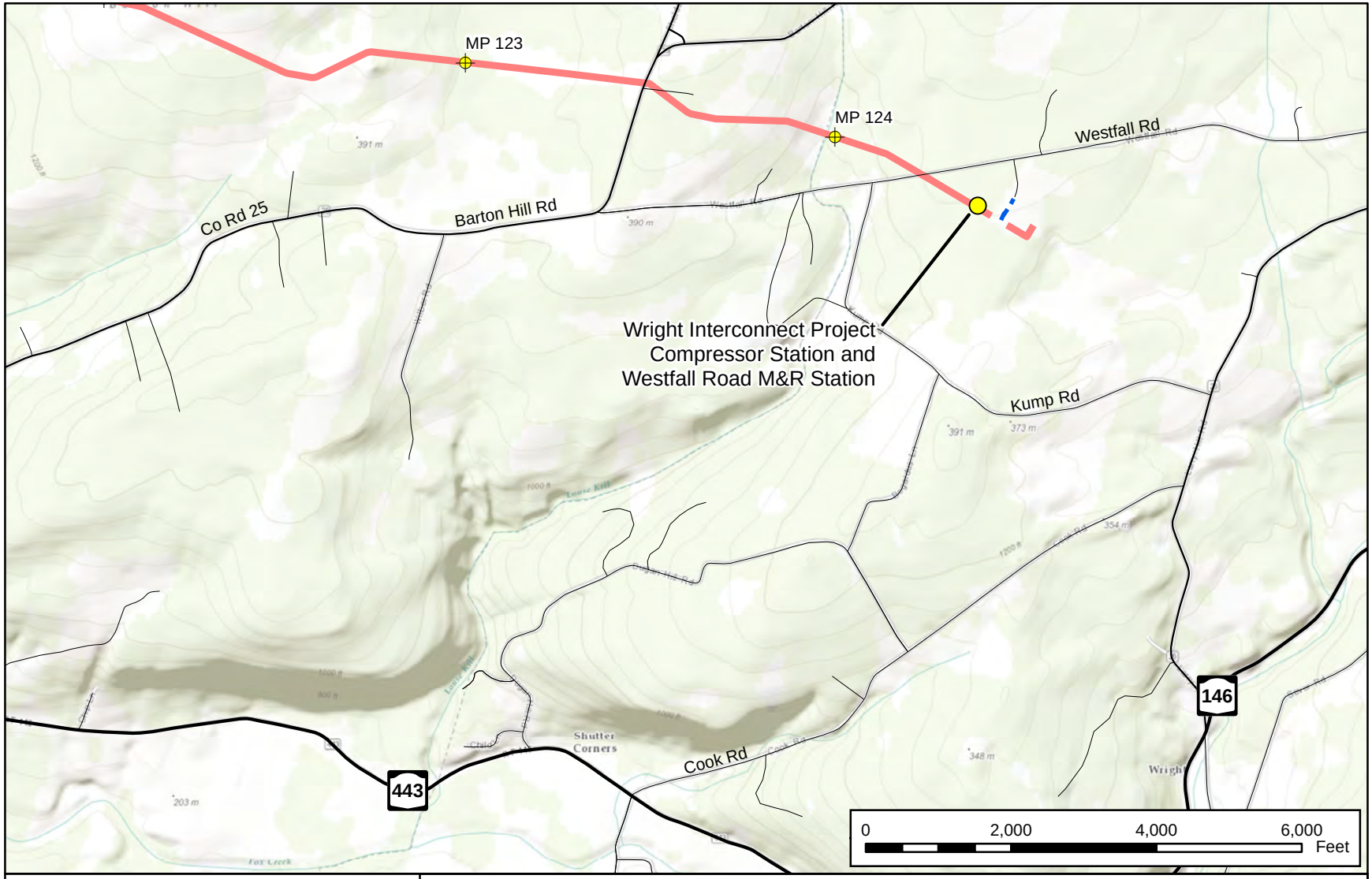
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map



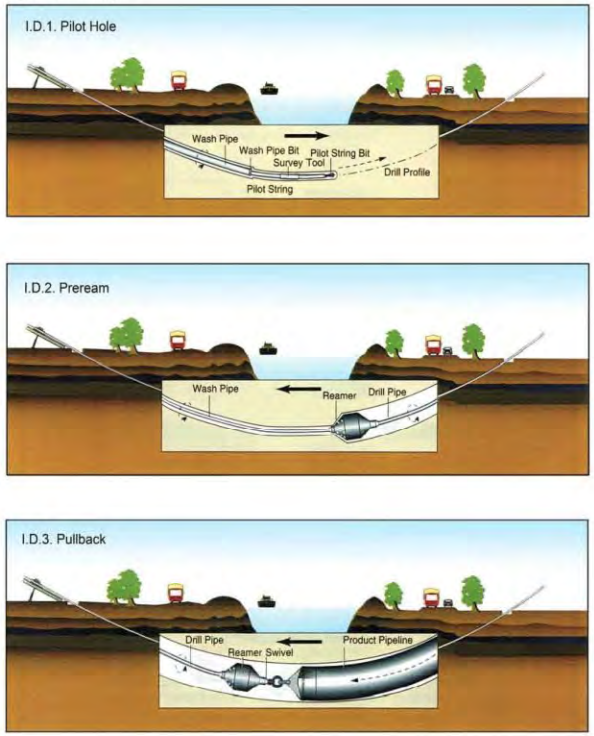
Main Line Valve & Communication Tower
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Contractor Yards
Mileposts

Appendix B
Constitution Pipeline Project
Project Overview Map

APPENDIX C

Typical Right-of-Way Configurations

Figure 1. Technique



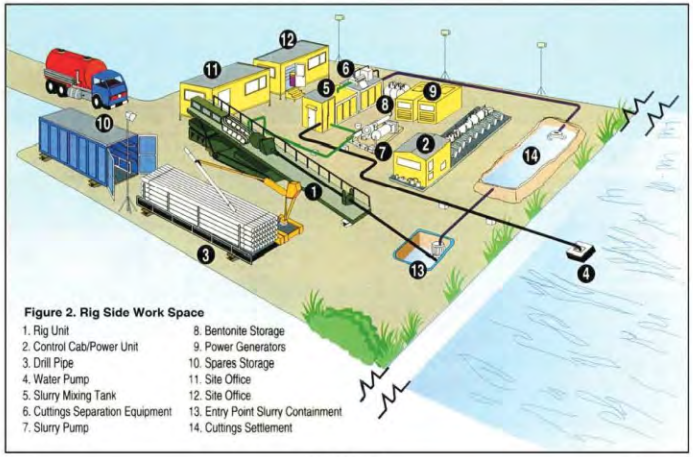


Figure 2. Rig Side Work Space

1. Rig Unit
2. Control Cab/Power Unit
3. Drill Pipe
4. Water Pump
5. Slurry Mixing Tank
6. Cuttings Separation Equipment
7. Slurry Pump
8. Bentonite Storage
9. Power Generators
10. Spares Storage
11. Site Office
12. Site Office
13. Entry Point Slurry Containment
14. Cuttings Settlement

DCCA4 PIPELINE DIGEST AUGUST 1995

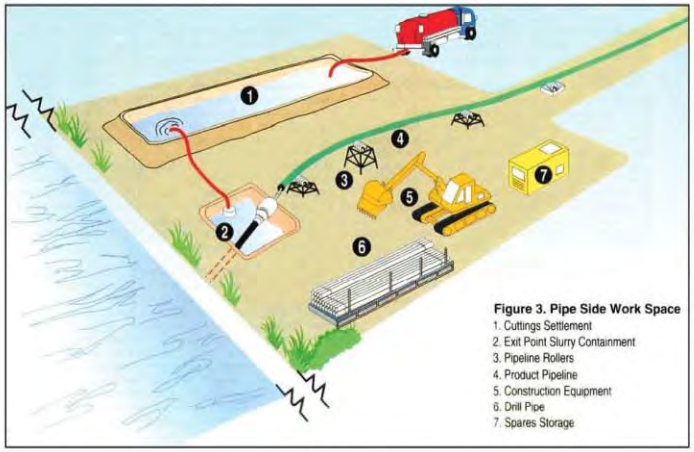


Figure 3. Pipe Side Work Space

1. Cuttings Settlement
2. Exit Point Slurry Containment
3. Pipeline Rollers
4. Product Pipeline
5. Construction Equipment
6. Drill Pipe
7. Spares Storage

AUGUST 1995 PIPELINE DIGEST DCCA5

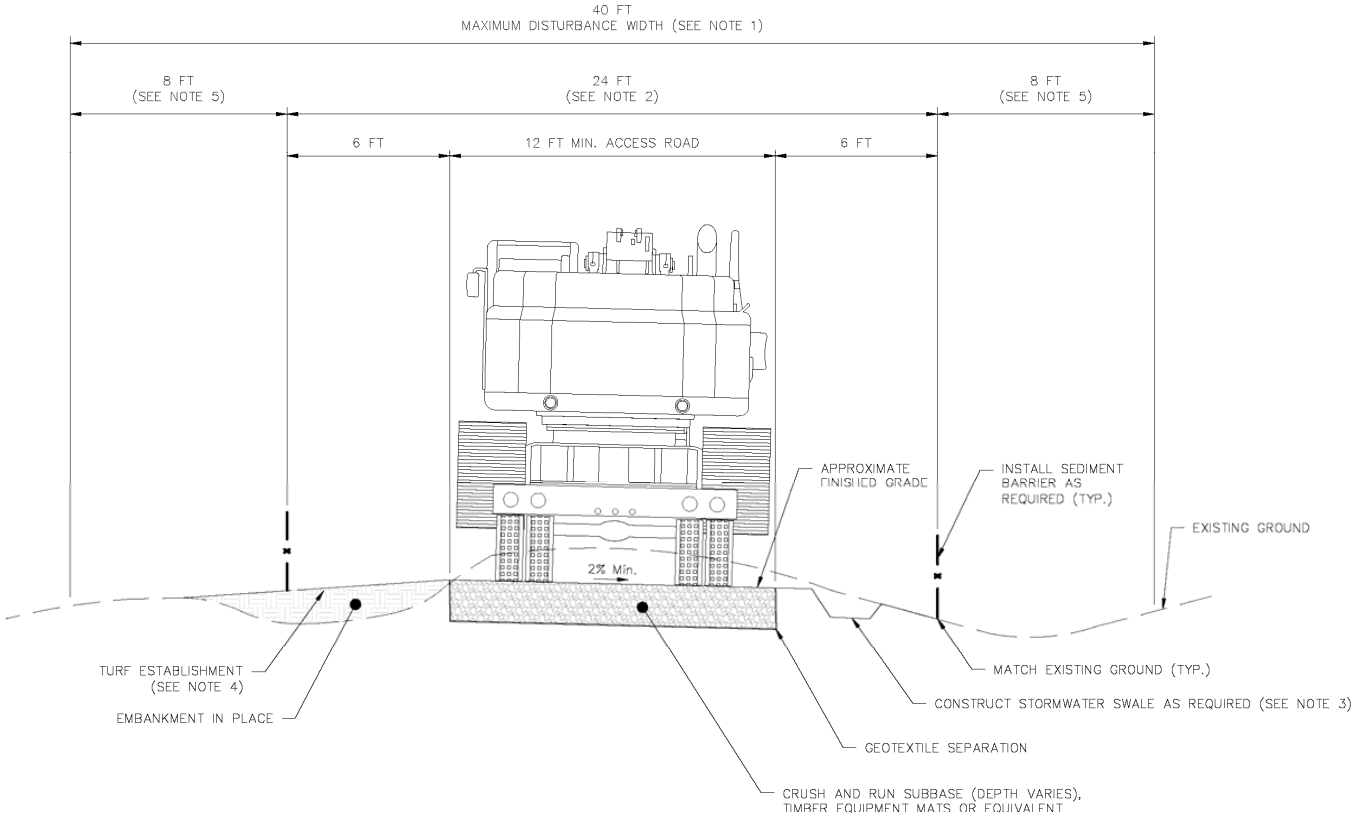
TYPICAL CONSTRUCTION
HORIZONTAL DIRECTIONAL DRILL
N.T.S.

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Horizontal Directional Drill (HDD)

Appendix C-1



NOTES:

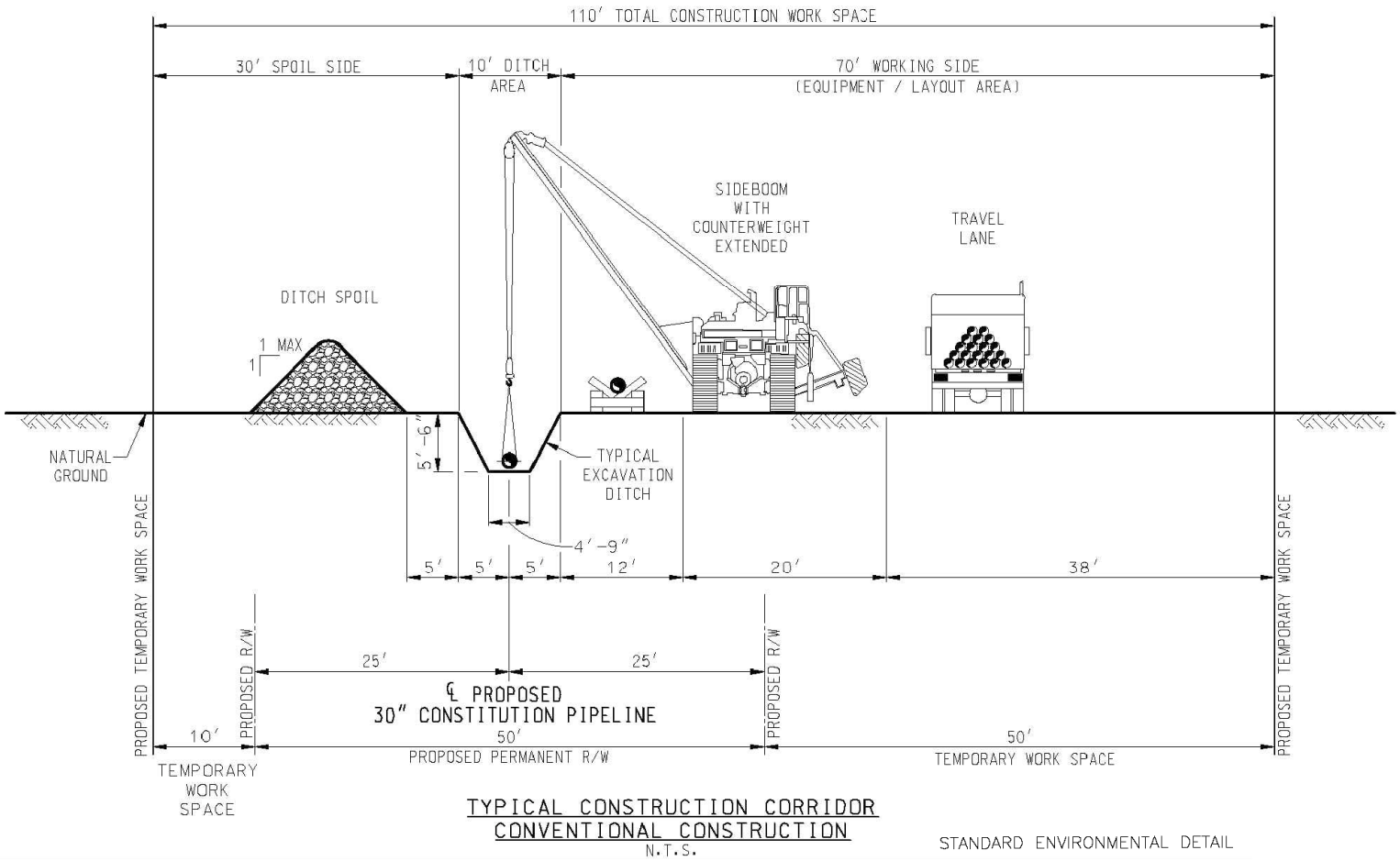
1. THE MAXIMUM DISTURBANCE WIDTH ASSOCIATED WITH THE CONSTRUCTION OF ACCESS ROADS WILL BE 40FT.
2. ACCESS ROADS WILL TYPICALLY INCLUDE A 12 FT TRAVEL LANE AND 12 FT OF GRADING DISTURBANCE. THE GRADING DISTURBANCE WILL BE REQUIRED TO MATCH INTO EXISTING GROUND AND CONSTRUCT REQUIRED EROSION CONTROL MEASURES (E.G. SILT FENCE) AND SEDIMENT CONTROL DEVICES (E.G. STORMWATER SWALE). ADDITIONAL CONSTRUCTION WIDTH MAY BE REQUIRED IN AREAS THAT REQUIRED TRUCK PULL OFFS, TRUCK TURNAROUNDS, AND AROUND SHARP CURVES WHERE EQUIPMENT TRAILERS HAVE LARGE TURNING RADIUSES.
3. REFER TO THE STORMWATER SWALE TABLES FOR LOCATIONS AND SIZES OF ALL SWALES REQUIRED ALONG ACCESS ROADS.
4. SEED MIXES TO BE UTILIZED FOR TURF ESTABLISHMENT ALONG ACCESS ROADS SHALL CONFORM TO THE SEED MIXES OUTLINED IN THE ENVIRONMENTAL CONSTRUCTION PLANS (ECPs).
5. THE ADDITIONAL 16 FT OF DISTURBANCE MAY BE REQUIRED TO ACCOMMODATE TRUCK PULL-OFFS, TRUCK TURNAROUNDS, AND INCREASED TRAVEL LANE WIDTHS AROUND CURVES DUE TO THE LARGE TRUCK TURNING RADIUSES.

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Access Road Cross-Section

Appendix C-2

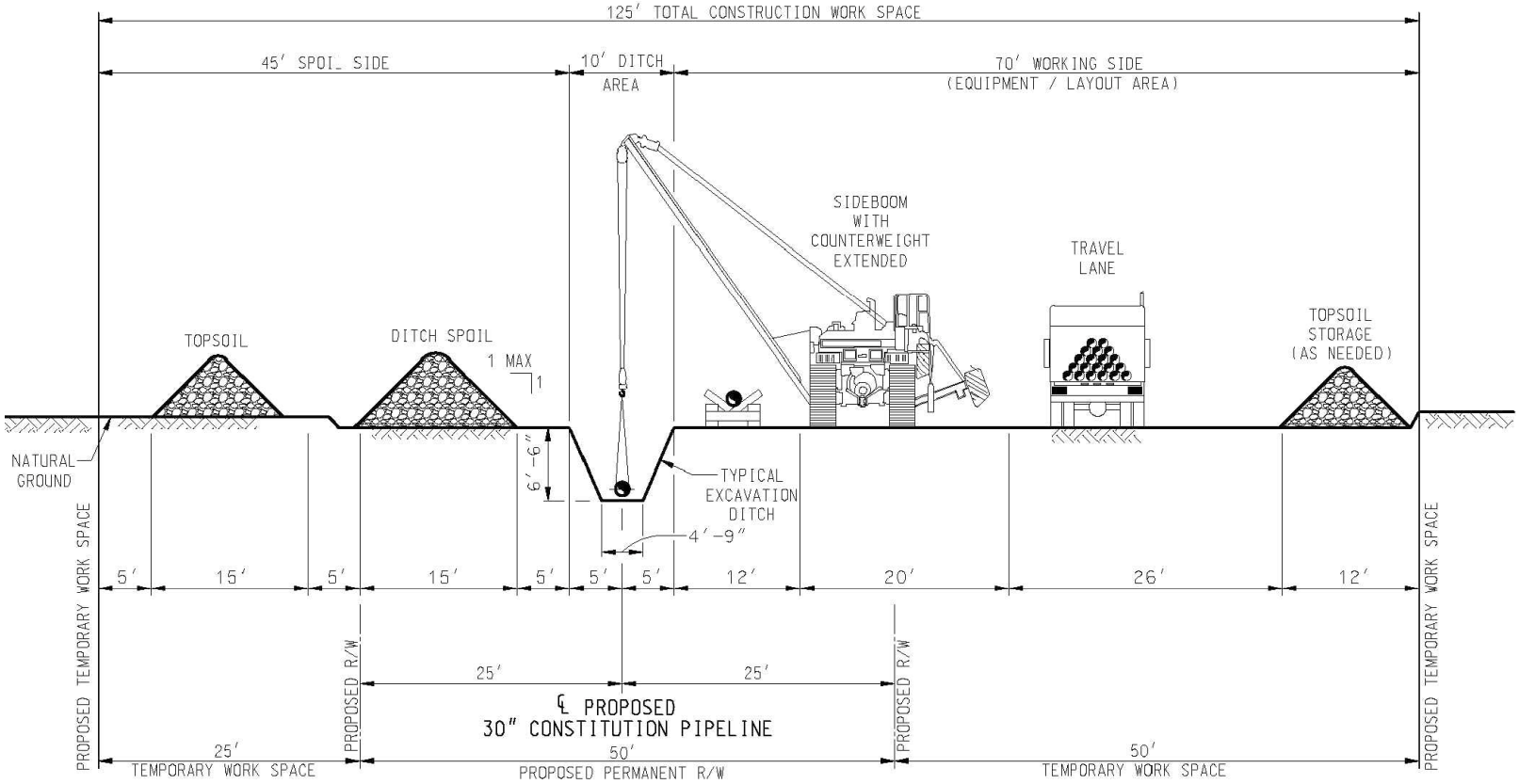


Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Corridor Conventional Construction

Appendix C-3



TYPICAL CONSTRUCTION CORRIDOR
ACROSS AGRICULTURAL LAND
N.T.S.

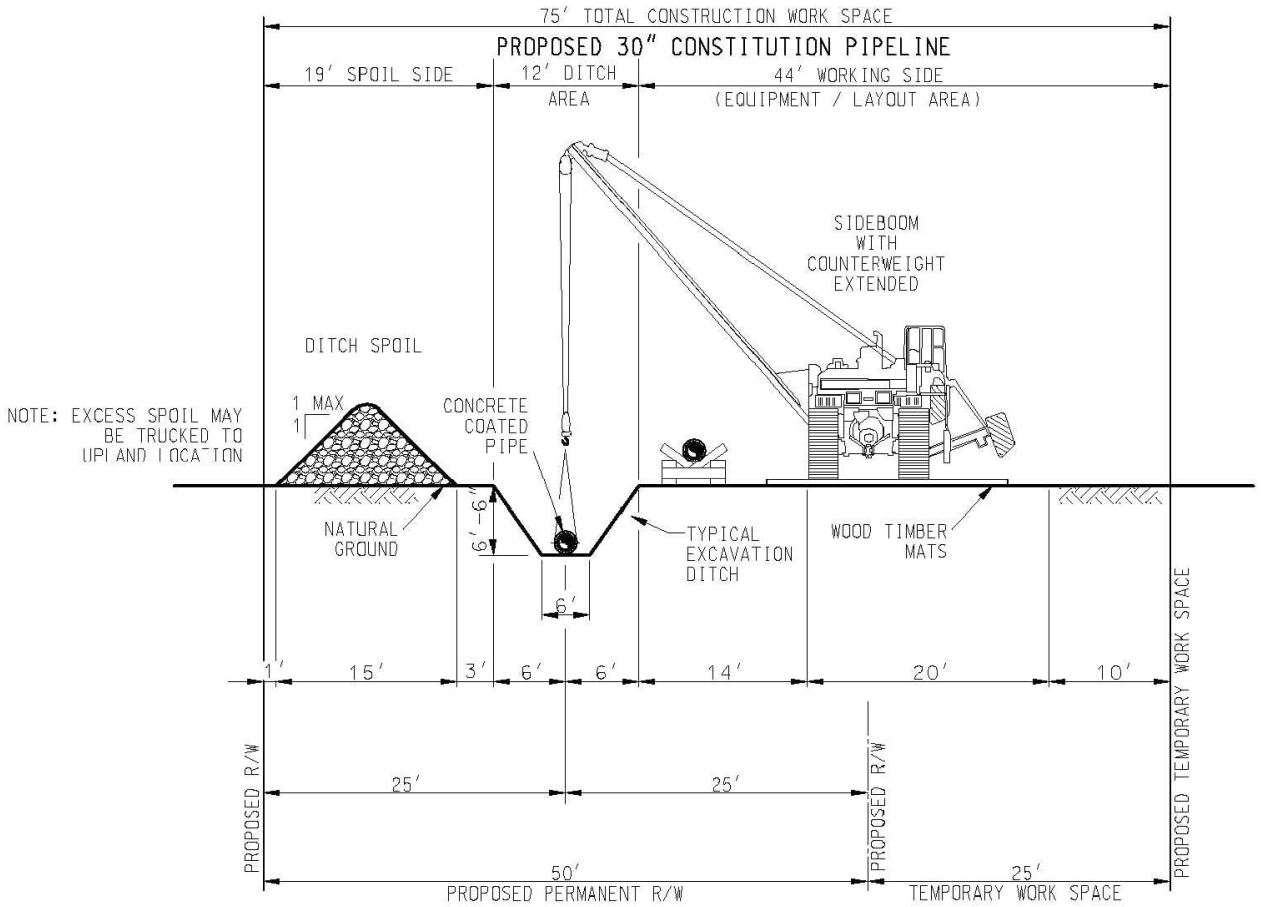
STANDARD ENVIRONMENTAL DETAIL

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Corridor
Across Agricultural Land

Appendix C-4



TYPICAL CONSTRUCTION CORRIDOR
ACROSS SATURATED WETLANDS
N.T.S.

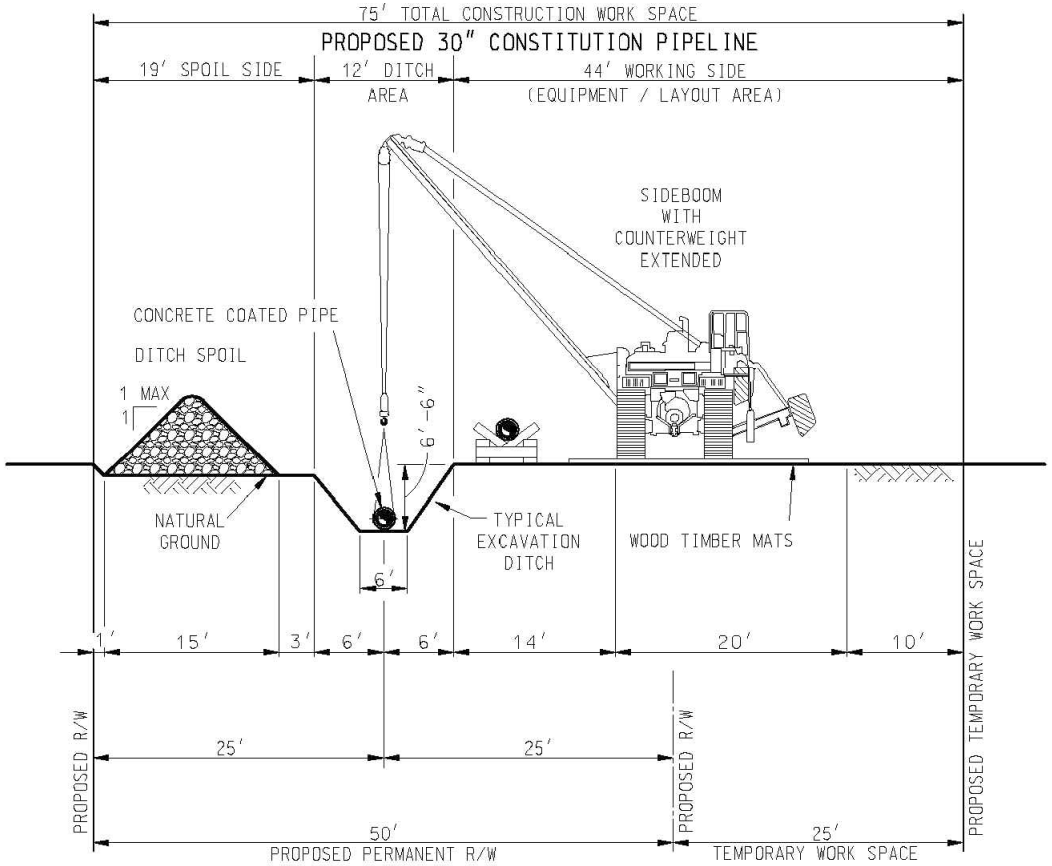
STANDARD ENVIRONMENTAL DETAIL

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Corridor Across
Saturated Wetlands

Appendix C-5



TYPICAL CONSTRUCTION CORRIDOR
ACROSS NON-SATURATED WETLANDS

N.T.S. STANDARD ENVIRONMENTAL DETAIL

NOTES:

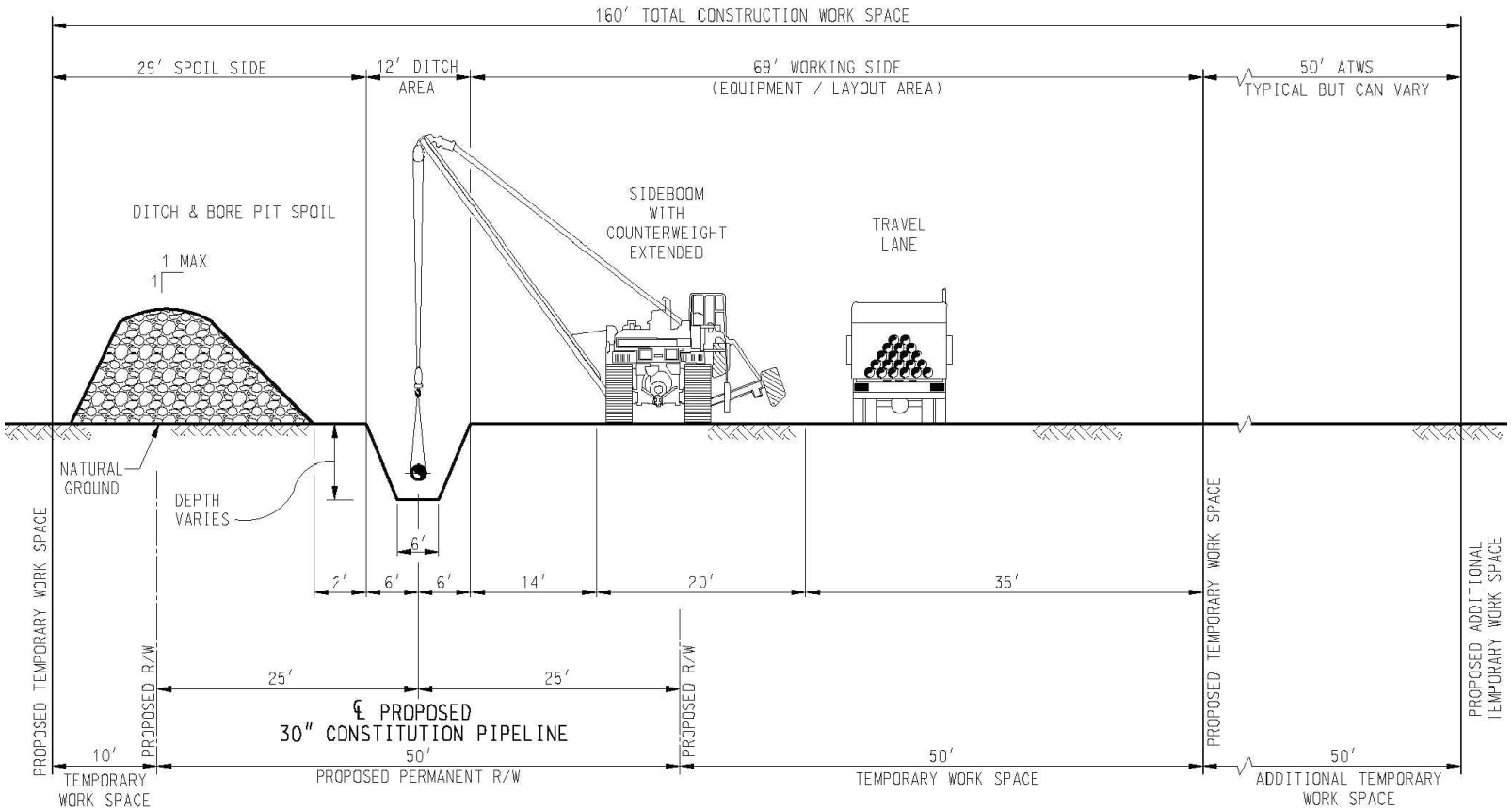
1. TOPSOIL TO BE TRUCKED TO UPLAND LOCATION.
2. EXCESS DITCH SPOIL MAY BE TRUCKED TO UPLAND LOCATION.
3. SALVAGE TOPSOIL TO ACTUAL DEPTH OR A MAXIMUM DEPTH OF 12 INCHES, AS DETERMINED BY COMPANY ENVIRONMENTAL INSPECTOR.

Not to Scale

Constitution Pipeline Project
Typical Construction Corridor
Across Non-Saturated Wetlands

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Appendix C-6



TYPICAL CONSTRUCTION CORRIDOR
CONSTRUCTION AT ROAD CROSSING
N.T.S.

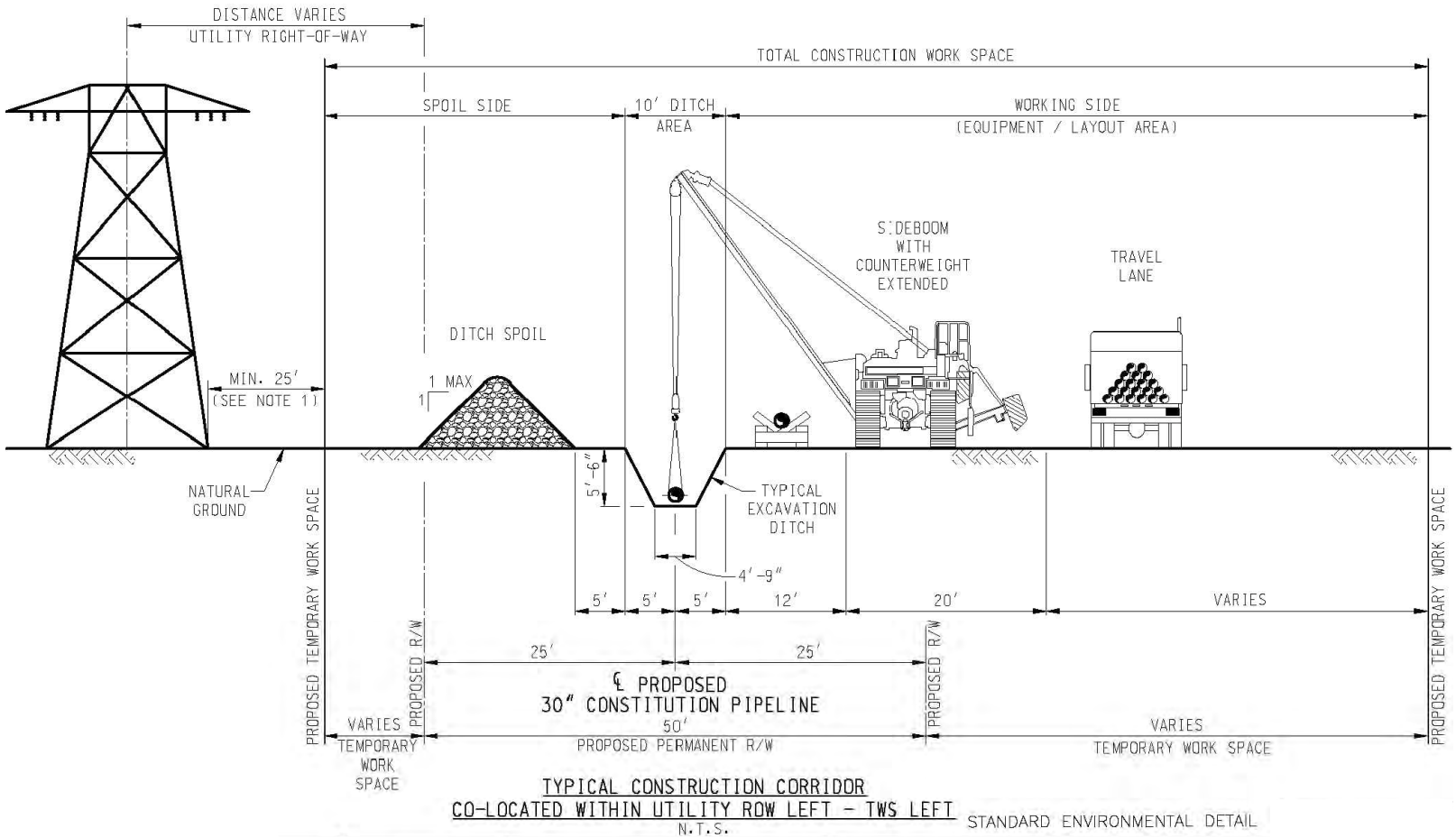
STANDARD ENVIRONMENTAL DETAIL

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Corridor
Construction at Road Crossing

Appendix C-7



TYPICAL CONSTRUCTION CORRIDOR
CO-LOCATED WITHIN UTILITY ROW LEFT – TWS LEFT
N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

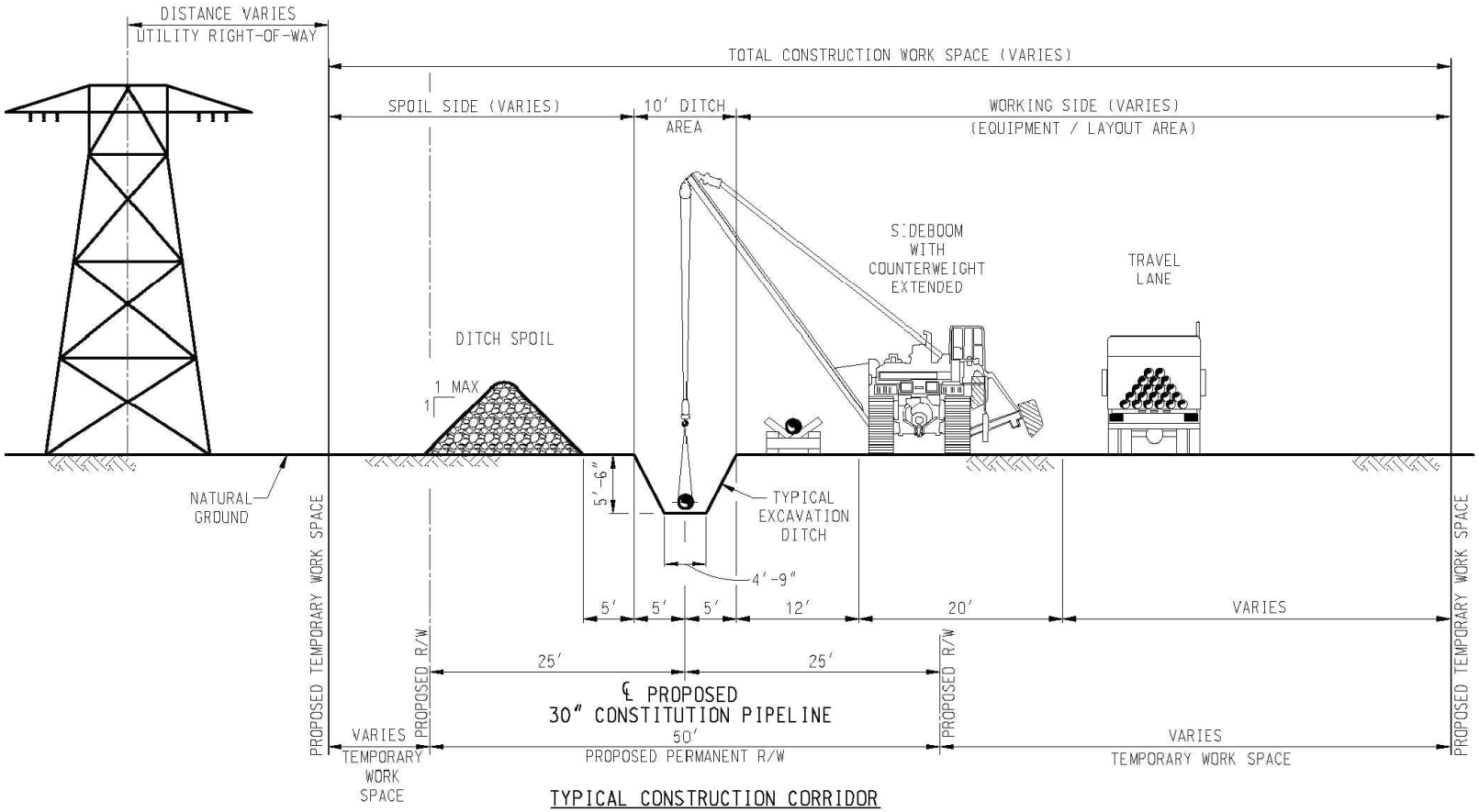
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section
Co-Located Within Utility ROW Left – TWS Left

Appendix C-8



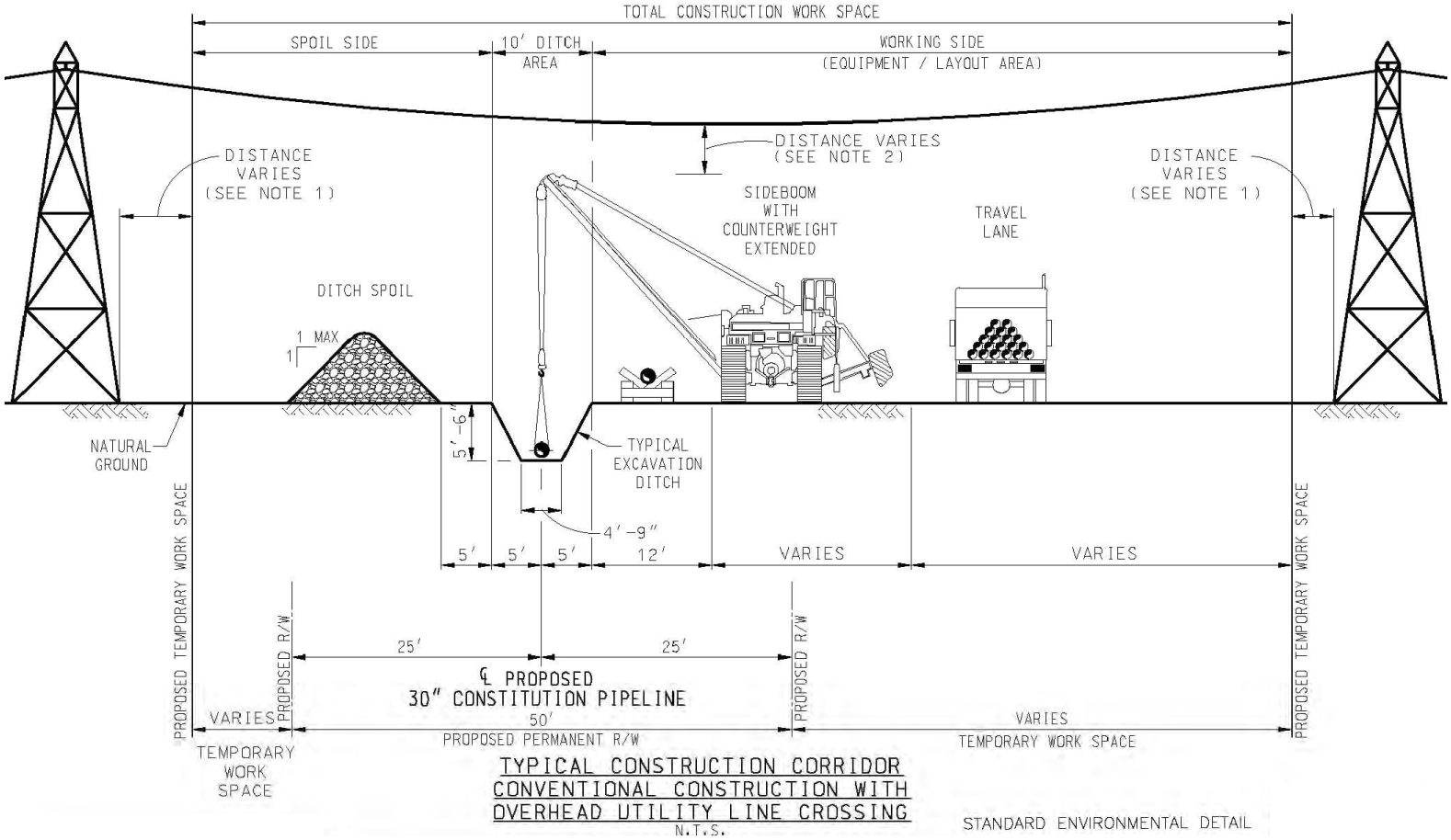
TYPICAL CONSTRUCTION CORRIDOR
CO-LOCATED ADJACENT TO UTILITY ROW LEFT - TWS LEFT
N.T.S.
STANDARD ENVIRONMENTAL DETAIL

Not to Scale

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Adjacent to Utility ROW Left- TWS Left

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Appendix C-9



NOTES:

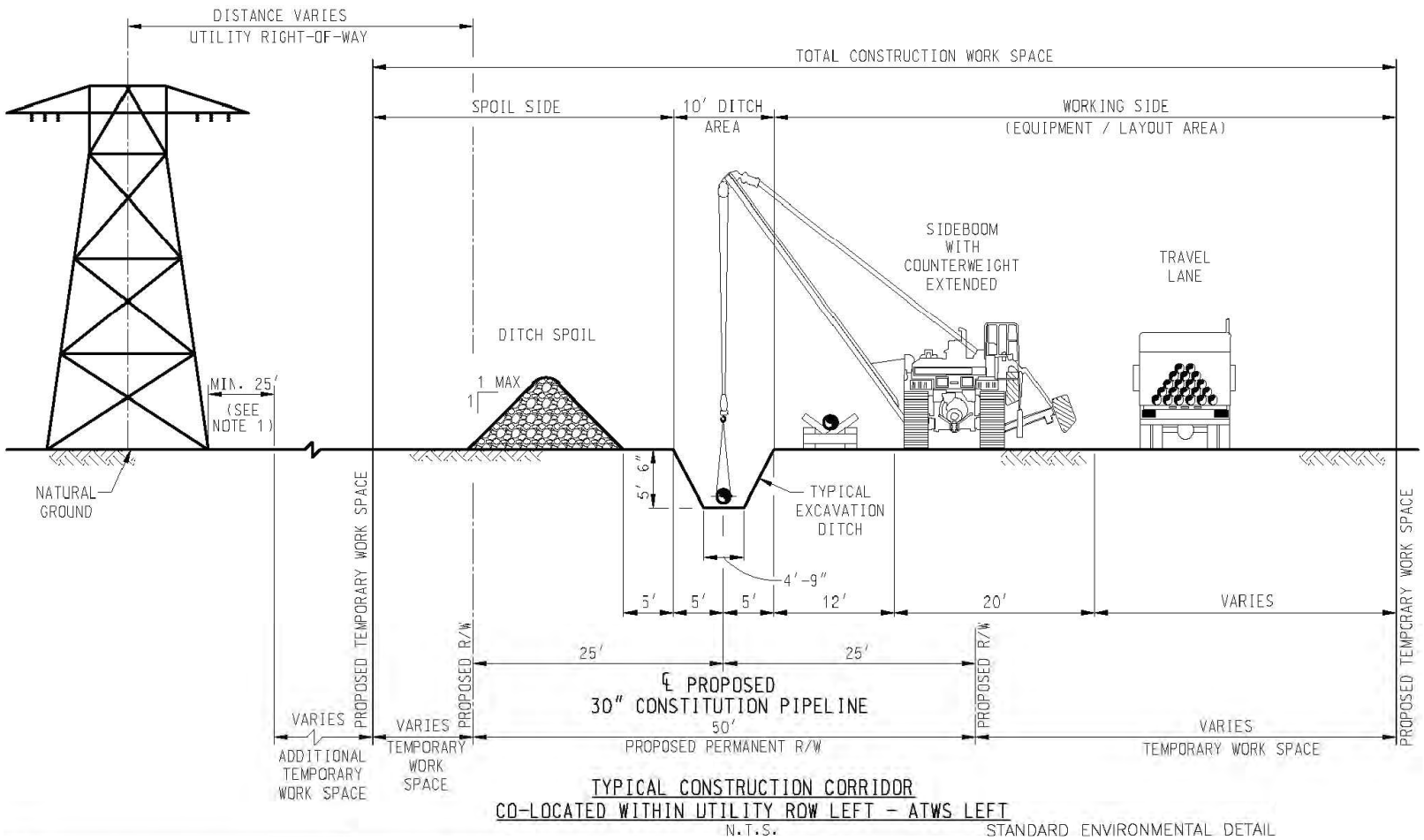
1. THE SEPERATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
2. THE AERIAL CLEARANCE DISTANCE REQUIRED BETWEEN THE POWER LINE AND THE CONSTRUCTION EQUIPMENT WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
3. THIS TYPICAL SECTION SHALL APPLY FOR BOTH NORMAL CONSTRUCTION OUTSIDE OF FOREIGN UTILITY LINE CROSSINGS AND UTILITY LINE CROSSINGS THAT THE PIPELINE CROSSES PERPINDICULAR.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Construction Corridor Conventional Construction with Overhead Utility Line Crossing

Appendix C-10



NOTES:

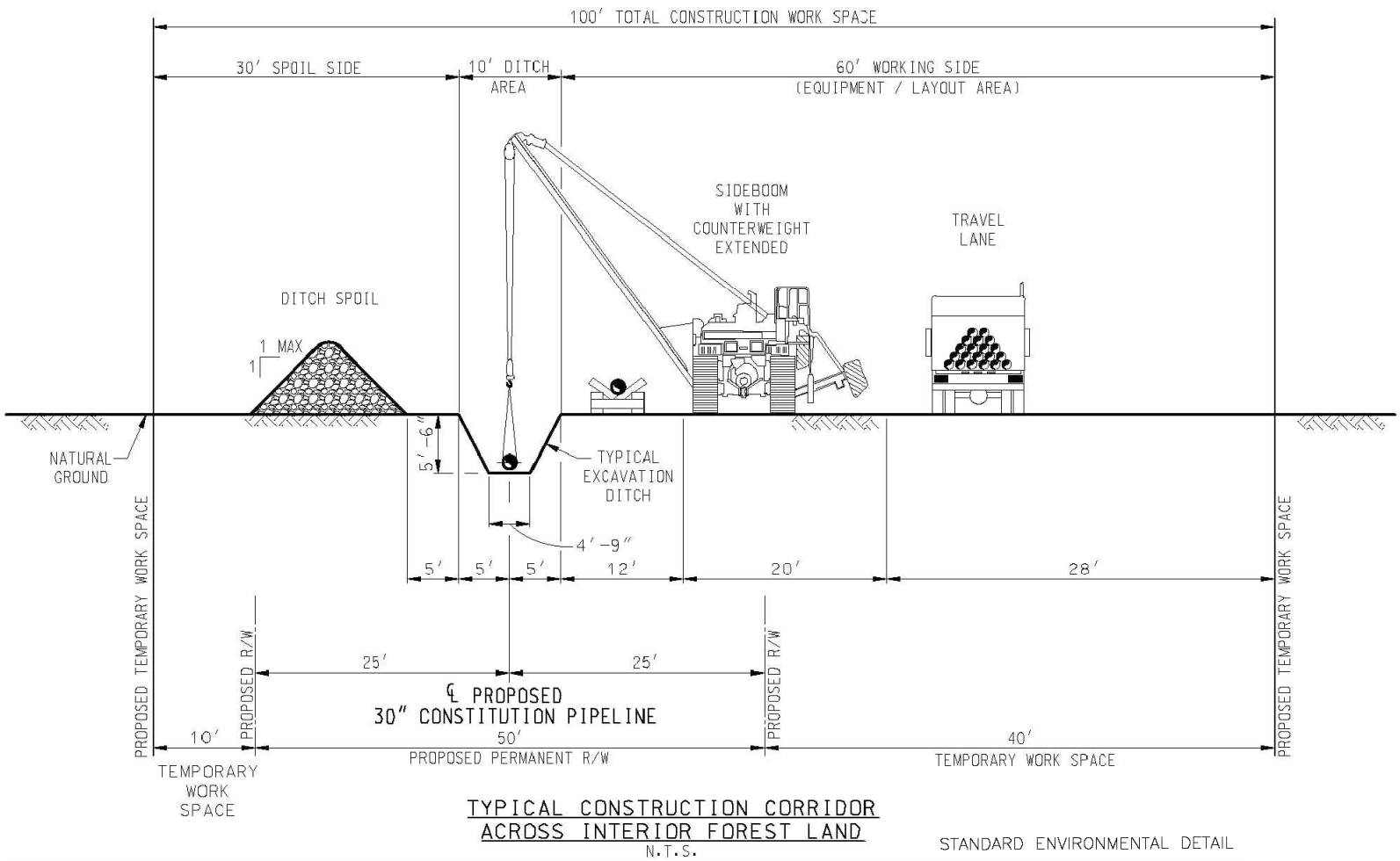
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Constitution Pipeline Project
Typical Right-of-Way Cross-Section
Co-Located Within Utility ROW Left – ATWS Left

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Appendix C-11



TYPICAL CONSTRUCTION CORRIDOR
ACROSS INTERIOR FOREST LAND
N.T.S.

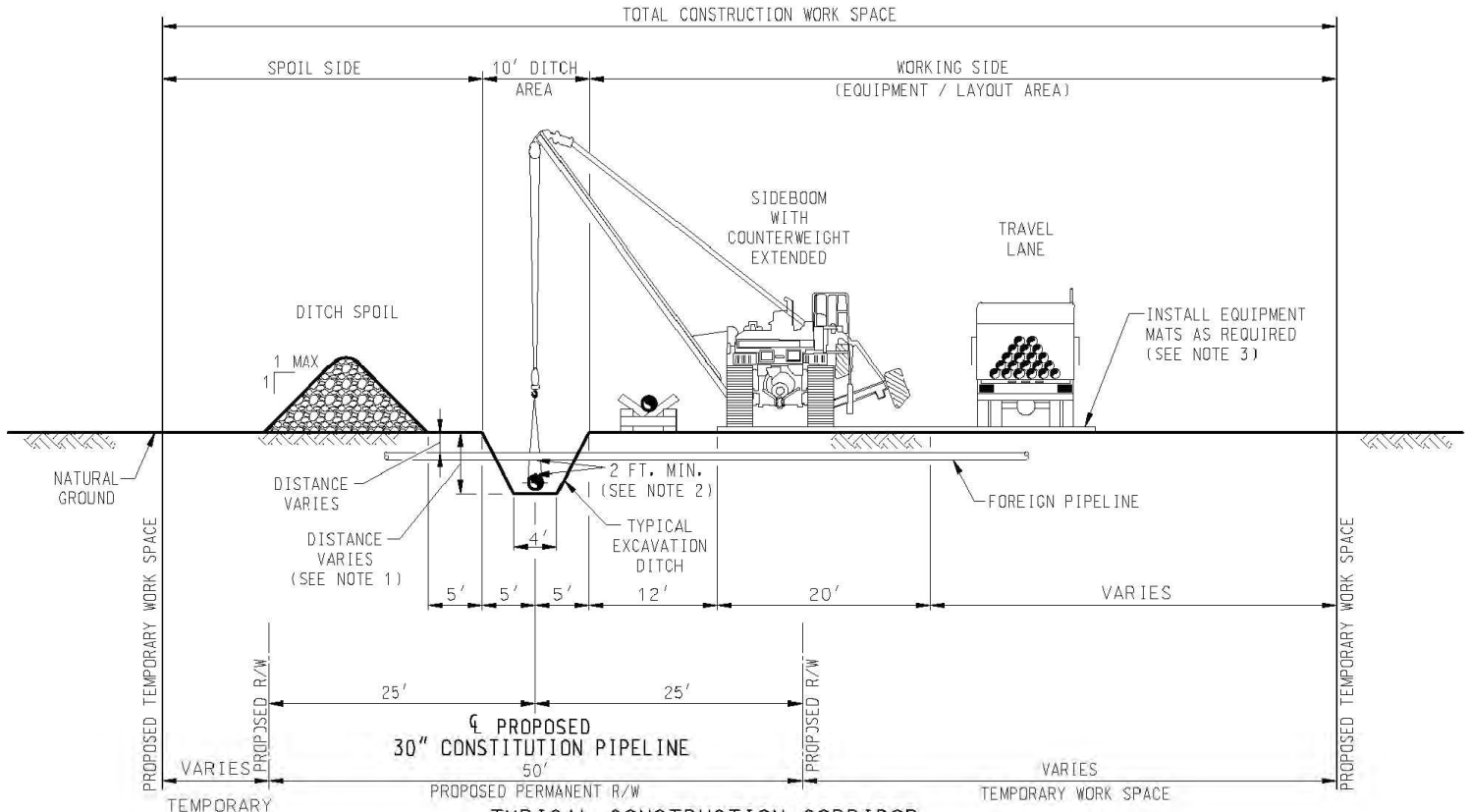
STANDARD ENVIRONMENTAL DETAIL

Not to Scale

Typical construction drawing obtained from
Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section
Across Interior Forest Land

Appendix C-12



TYPICAL CONSTRUCTION CORRIDOR
NORMAL CONSTRUCTION WITH FOREIGN PIPELINE CROSSING – TWS LEFT
N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

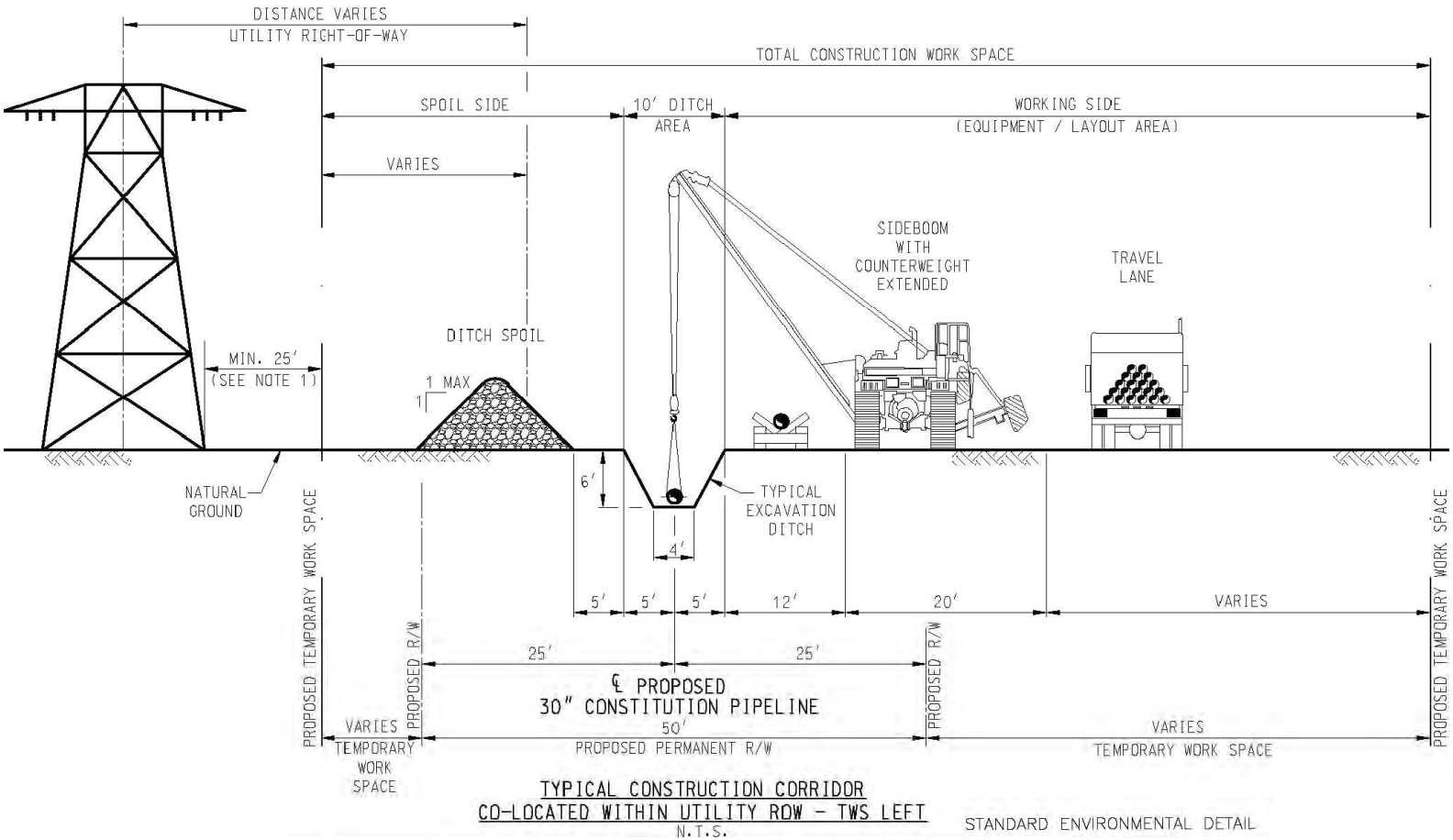
1. THE EXCAVATION DEPTH REQUIRED TO INSTALL THE CONSTITUTIONAL PIPELINE WILL VARY BASED ON THE DEPTH OF FOREIGN PIPELINE. IN GENERAL, THE CONSTITUTION PIPELINE WILL BE INSTALLED BELOW THE FOREIGN PIPELINE.
2. A MINIMUM SPERATION DISTANCE OF 2 FT. SHALL BE MAINTAINED BETWEEN THE FOREIGN PIPELINE AND THE CONSTITUTION PIPELINE. THE SEPARATING DISTANCE MAY INCREASE BASED ON SPECIFIC REQUIREMENTS IMPOSED BY THE FOREIGN PIPELINE OWNER/OPERATOR.
3. EQUIPMENT MATS MAY BE REQUIRED TO BE INSTALLED OVER TOP OF THE FOREIGN PIPELINE WITHIN THE WORKING SIDE OF THE WORKSPACE TO HELP DISPERSE WHEEL LOADS OVER TOP OF THE PIPELINE.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section
Normal Construction with Foreign Pipeline Crossing – TWS Left

Appendix C-13



TYPICAL CONSTRUCTION CORRIDOR
CO-LOCATED WITHIN UTILITY ROW – TWS LEFT
N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

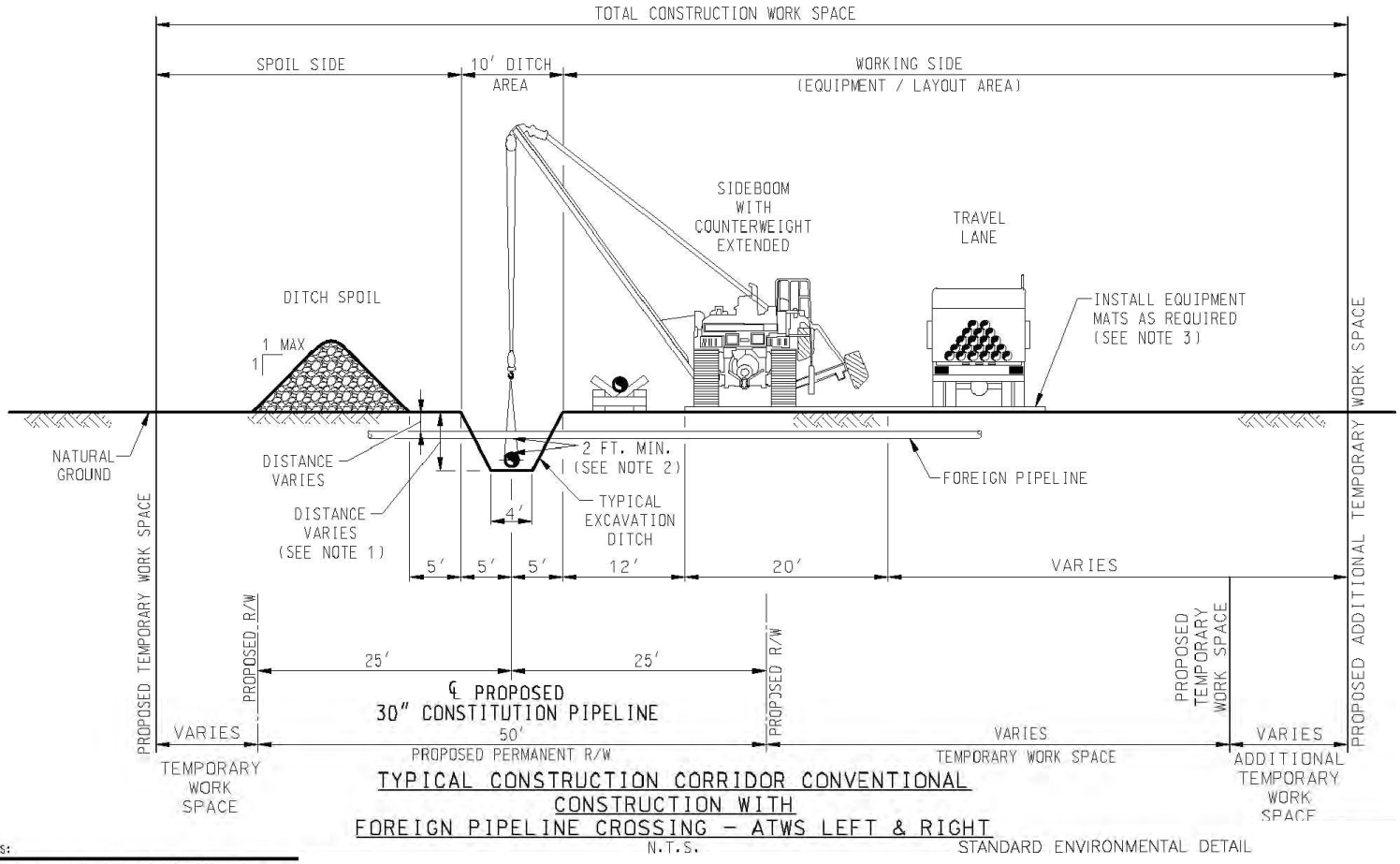
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section
Co-Located Within Utility ROW – TWS Left

Appendix C-14



TYPICAL CONSTRUCTION CORRIDOR CONVENTIONAL CONSTRUCTION WITH FOREIGN PIPELINE CROSSING – ATWS LEFT & RIGHT

N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

1. THE EXCAVATION DEPTH REQUIRED TO INSTALL THE CONSTITUTIONAL PIPELINE WILL VARY BASED ON THE DEPTH OF FOREIGN PIPELINE. IN GENERAL, THE CONSTITUTION PIPELINE WILL BE INSTALLED BELOW THE FOREIGN PIPELINE.
2. A MINIMUM SPERATION DISTANCE OF 2 FT. SHALL BE MAINTAINED BETWEEN THE FOREIGN PIPELINE AND THE CONSTITUTION PIPELINE. THE SEPARATING DISTANCE MAY INCREASE BASED ON SPECIFIC REQUIREMENTS IMPOSED BY THE FOREIGN PIPELINE OWNER/OPERATOR.
3. EQUIPMENT MATS MAY BE REQUIRED TO BE INSTALLED OVER TOP OF THE FOREIGN PIPELINE WITHIN THE WORKING SIDE OF THE WORKSPACE TO HELP DISPERSE WHEEL LOADS OVER TOP OF THE PIPELINE.

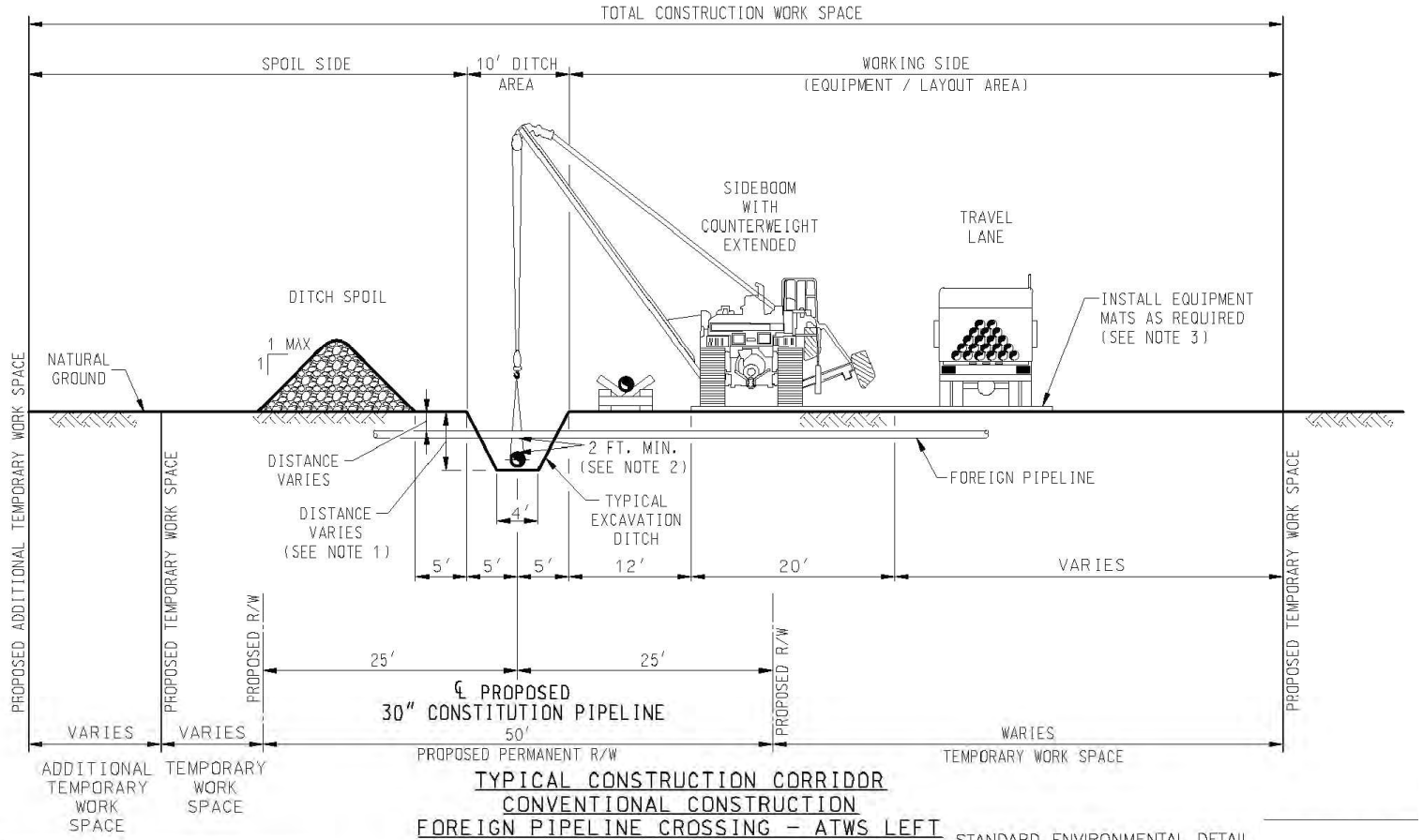
Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project

Typical Right-of-Way Cross-Section Conventional Construction with Foreign Pipeline Crossing – ATWS Left & Right

Appendix C-15



NOTES:

1. THE EXCAVATION DEPTH REQUIRED TO INSTALL THE CONSTITUTIONAL PIPELINE WILL VARY BASED ON THE DEPTH OF FOREIGN PIPELINE. IN GENERAL, THE CONSTITUTION PIPELINE WILL BE INSTALLED BELOW THE FOREIGN PIPELINE.
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3. EQUIPMENT MATS MAY BE REQUIRED TO BE INSTALLED OVER TOP OF THE FOREIGN PIPELINE WITHIN THE WORKING SIDE OF THE WORKSPACE TO HELP DISPERSE WHEEL LOADS OVER TOP OF THE PIPELINE.

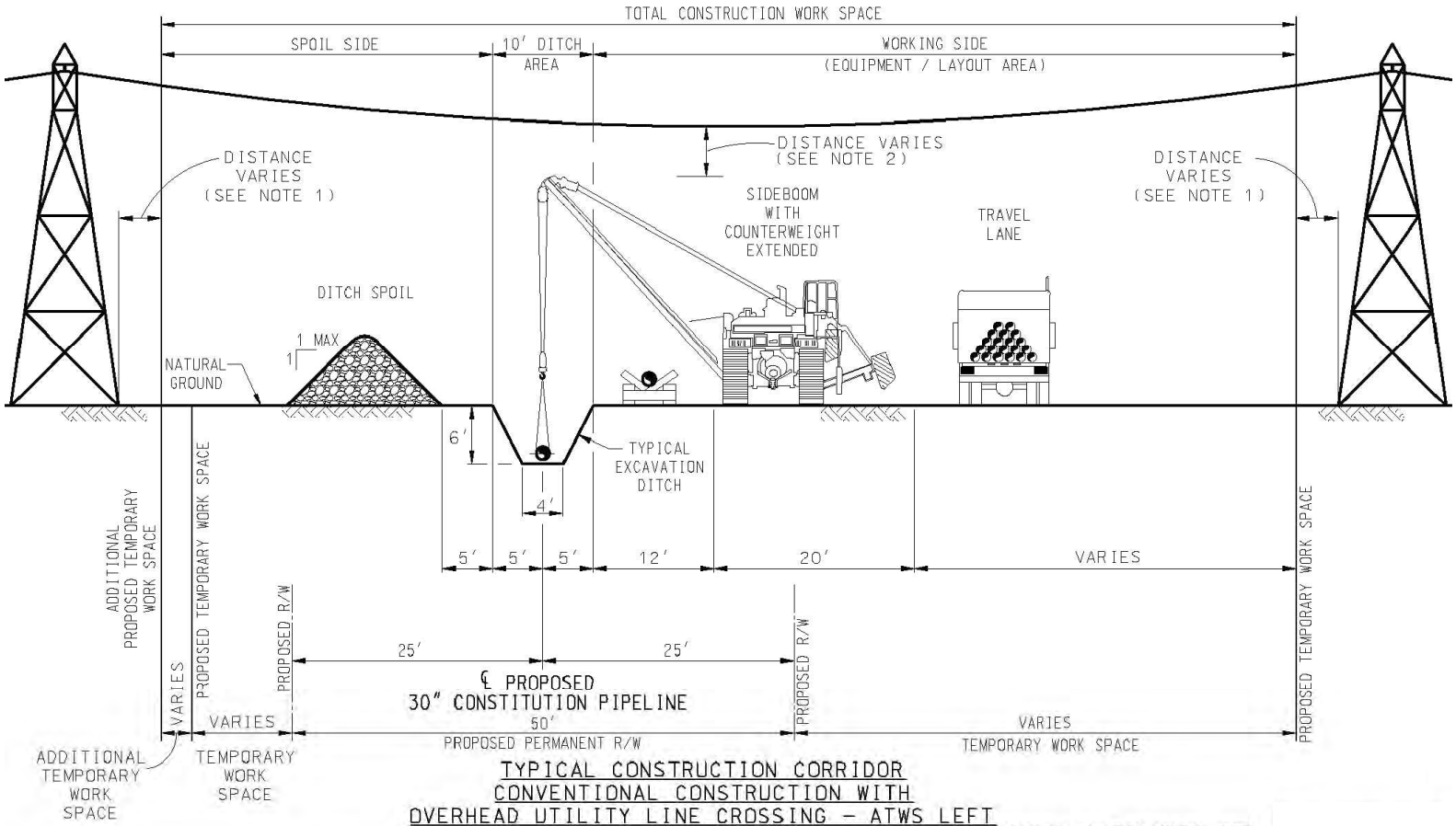
Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project

Typical Right-of-Way Cross-Section Conventional Construction with Foreign Pipeline Crossing – ATWS Left

Appendix C-16



TYPICAL CONSTRUCTION CORRIDOR
CONVENTIONAL CONSTRUCTION WITH
OVERHEAD UTILITY LINE CROSSING – ATWS LEFT
N.T.S.
STANDARD ENVIRONMENTAL DETAIL

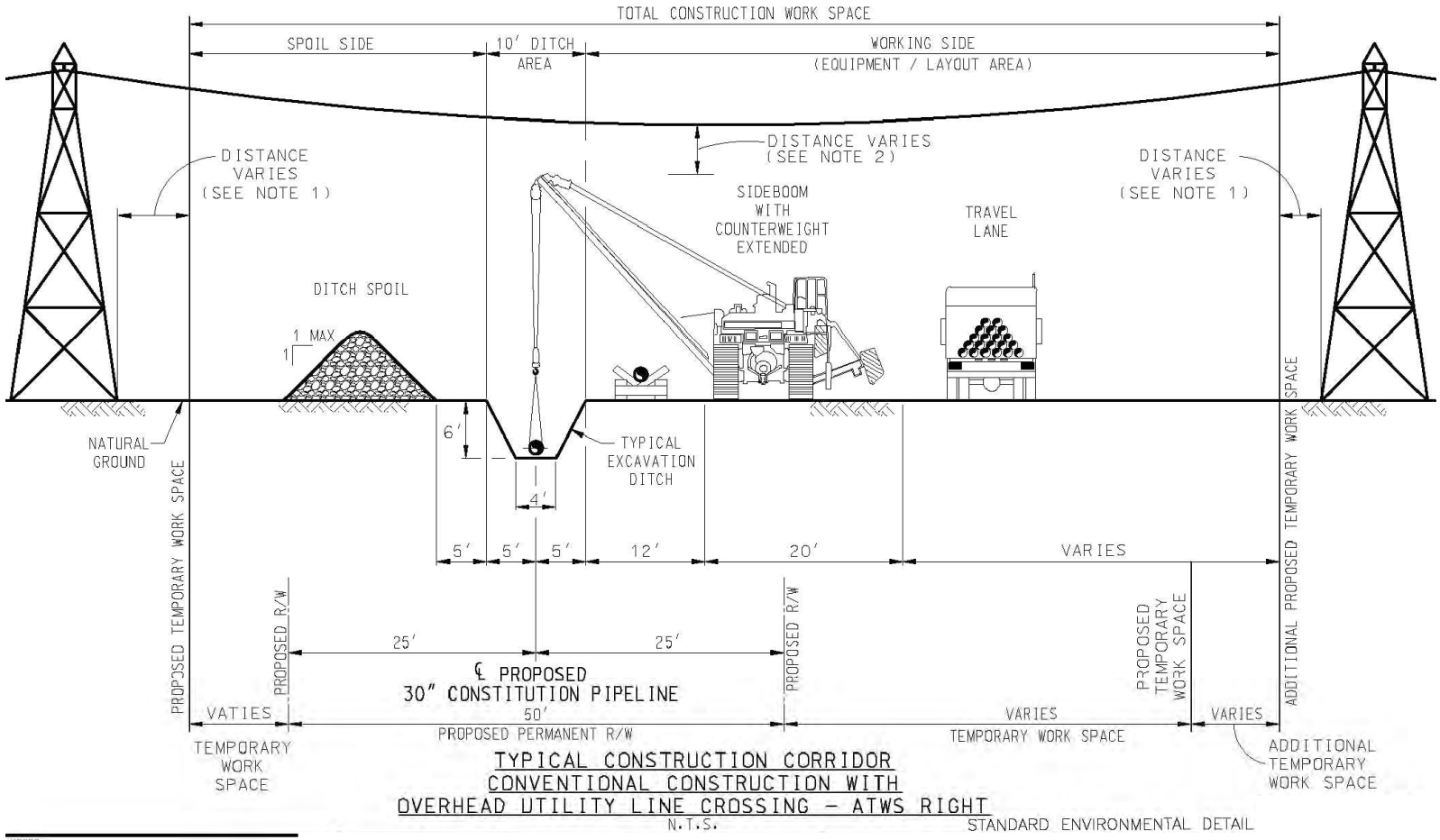
NOTES:
1. THE SEPERATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
2. THE AERIAL CLEARANCE DISTANCE REQUIRED BETWEEN THE POWER LINE AND THE CONSTRUCTION EQUIPMENT WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
3. THIS TYPICAL SECTION SHALL APPLY FOR BOTH NORMAL CONSTRUCTION OUTSIDE OF FOREIGN UTILITY LINE CROSSINGS AND UTILITY LINE CROSSINGS THAT THE PIPELINE CROSSES PERPINDICULAR.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Conventional Construction with Overhead Utility Line Crossing – ATWS Left

Appendix C-17



TYPICAL CONSTRUCTION CORRIDOR
CONVENTIONAL CONSTRUCTION WITH
OVERHEAD UTILITY LINE CROSSING – ATWS RIGHT

N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

1. THE SEPERATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
2. THE AERIAL CLEARANCE DISTANCE REQUIRED BETWEEN THE POWER LINE AND THE CONSTRUCTION EQUIPMENT WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
3. THIS TYPICAL SECTION SHALL APPLY FOR BOTH NORMAL CONSTRUCTION OUTSIDE OF FOREIGN UTILITY LINE CROSSINGS AND UTILITY LINE CROSSINGS THAT THE PIPELINE CROSSES PERPINDICULAR.

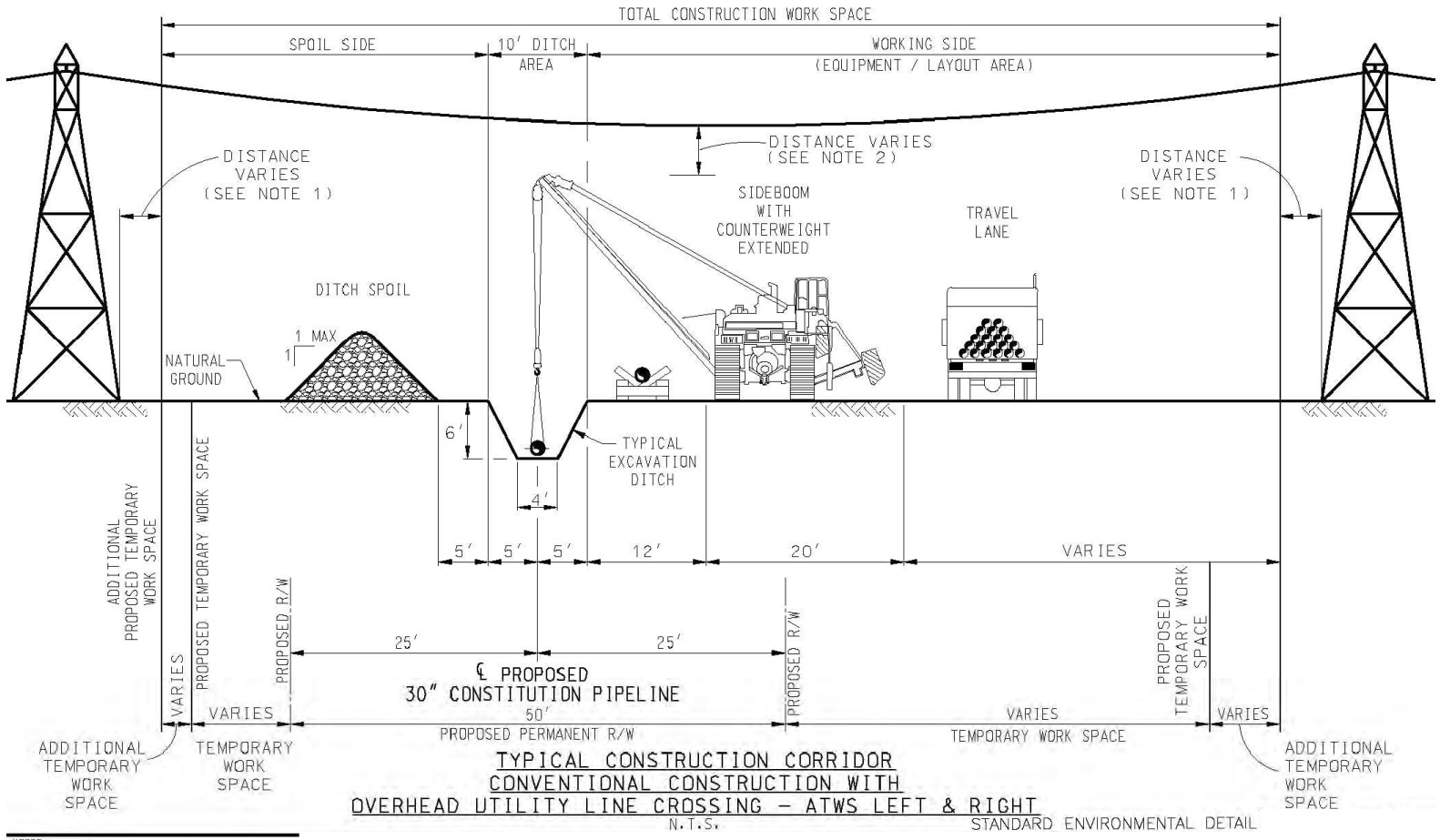
Not to Scale

Constitution Pipeline Project

Typical Right-of-Way Cross-Section Conventional Construction with Overhead Utility Line Crossing – ATWS Right

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Appendix C-18



TYPICAL CONSTRUCTION CORRIDOR
CONVENTIONAL CONSTRUCTION WITH
OVERHEAD UTILITY LINE CROSSING – ATWS LEFT & RIGHT
N.T.S.
STANDARD ENVIRONMENTAL DETAIL

NOTES:

1. THE SEPERATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
2. THE AERIAL CLEARANCE DISTANCE REQUIRED BETWEEN THE POWER LINE AND THE CONSTRUCTION EQUIPMENT WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.
3. THIS TYPICAL SECTION SHALL APPLY FOR BOTH NORMAL CONSTRUCTION OUTSIDE OF FOREIGN UTILITY LINE CROSSINGS AND UTILITY LINE CROSSINGS THAT THE PIPELINE CROSSES PERPINDICULAR.

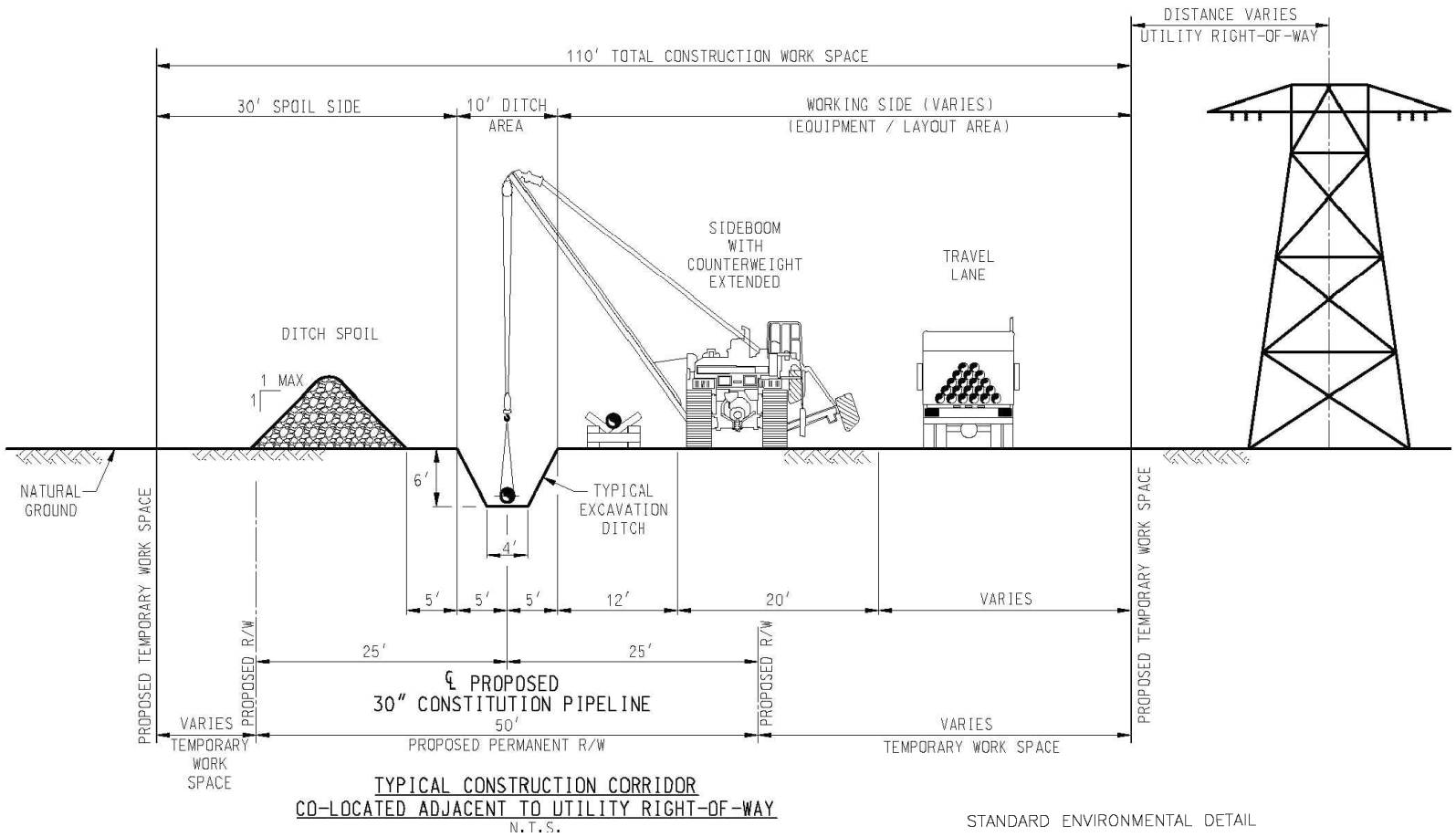
Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project

Typical Right-of-Way Cross-Section Conventional Construction with Overhead Utility Line Crossing – ATWS Left & Right

Appendix C-19

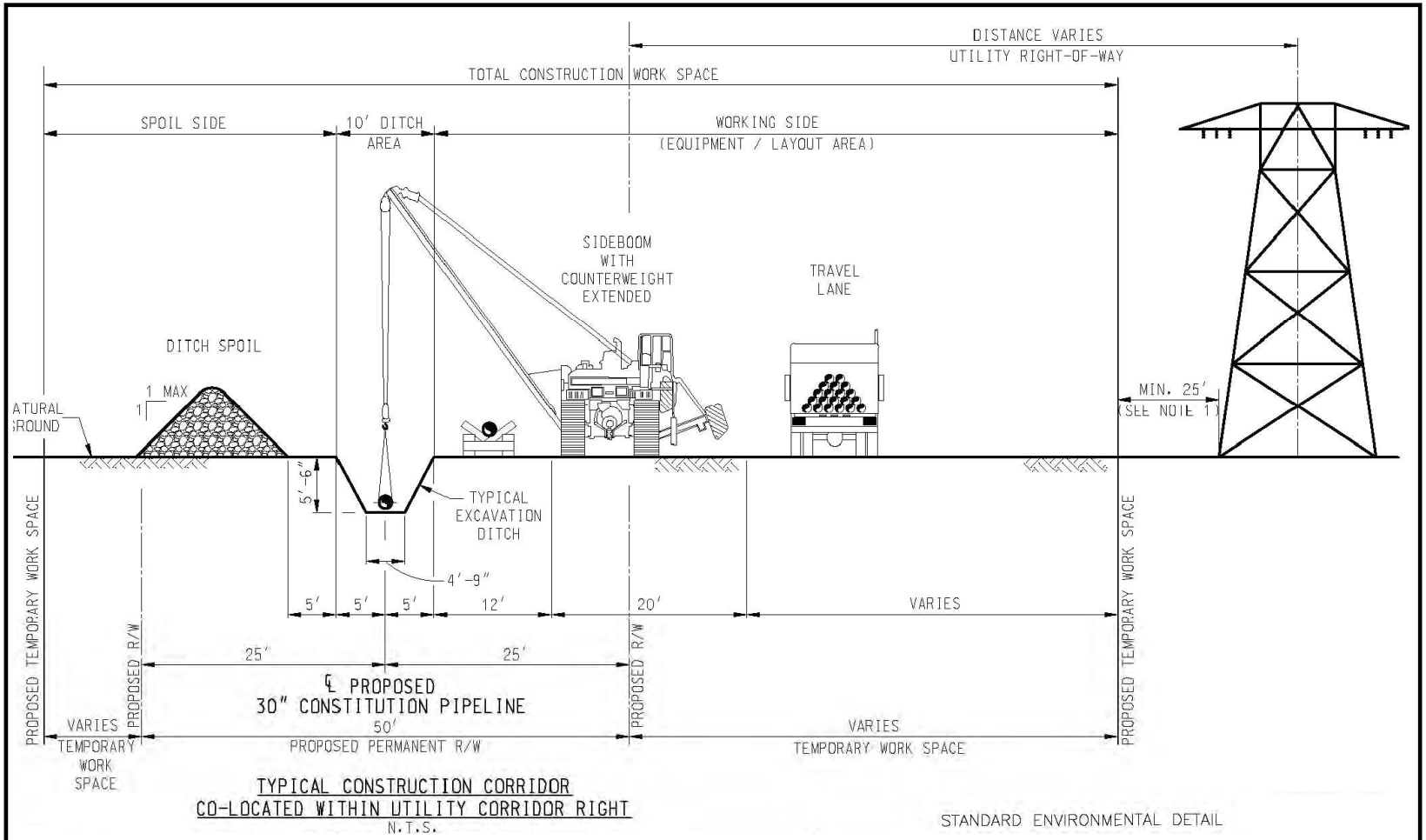


Not to Scale

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Adjacent to Utility Right-of-Way

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Appendix C-20



TYPICAL CONSTRUCTION CORRIDOR
CO-LOCATED WITHIN UTILITY CORRIDOR RIGHT
N.T.S.

STANDARD ENVIRONMENTAL DETAIL

NOTES:

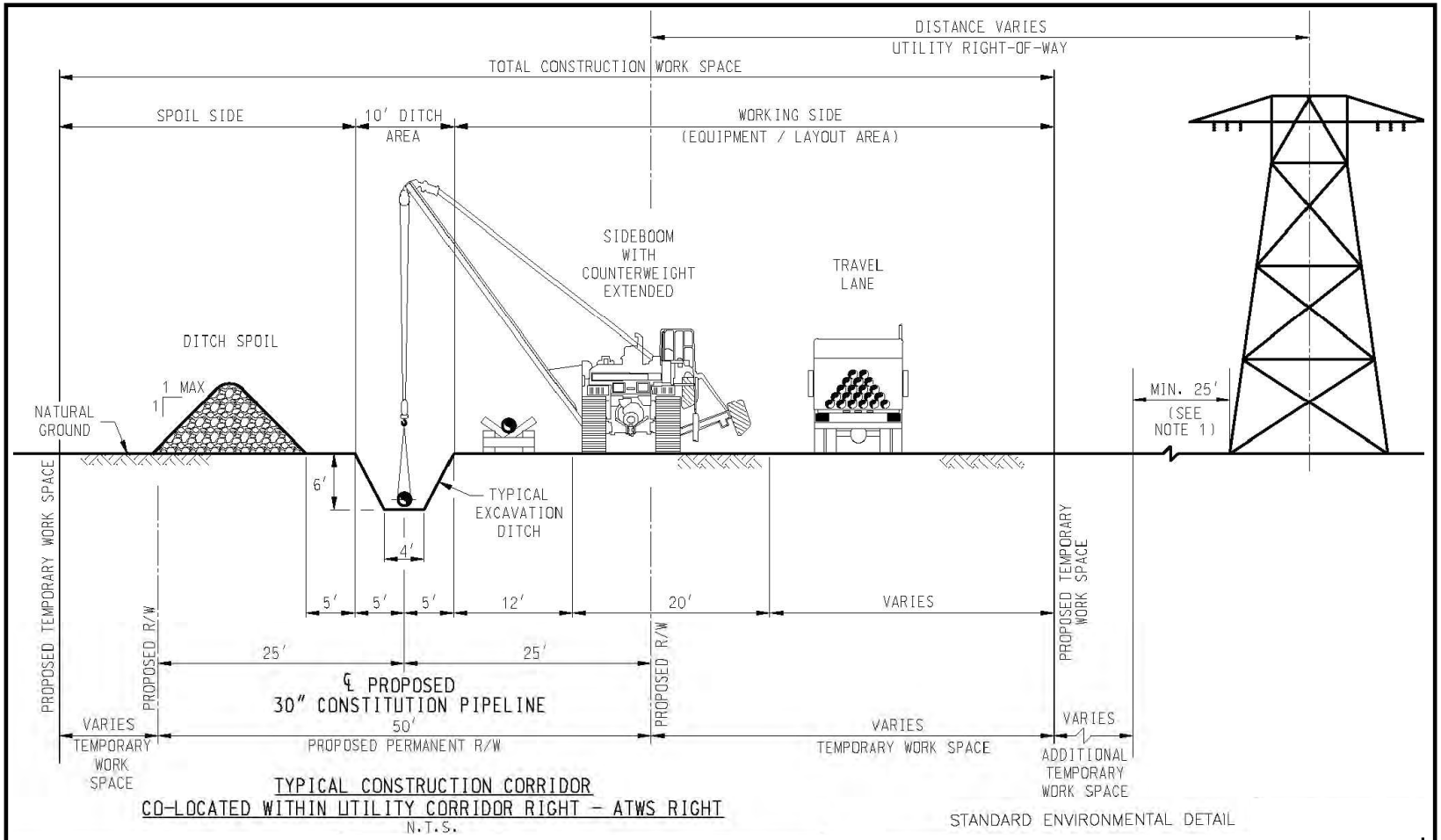
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Adjacent to Utility Right

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Appendix C-21



NOTES:

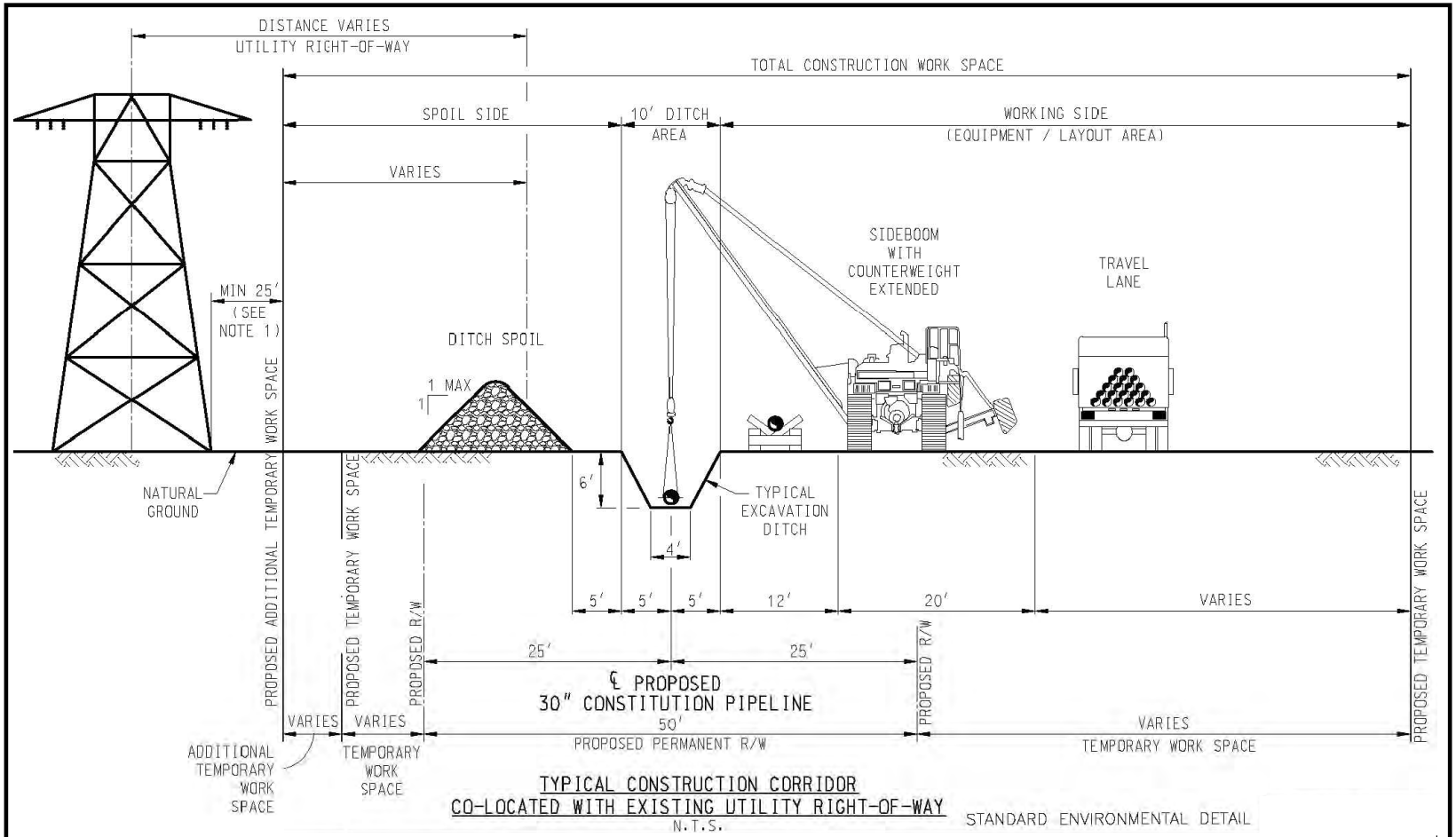
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Within Utility Corridor Right – ATWS Right

Appendix C-22



NOTES:

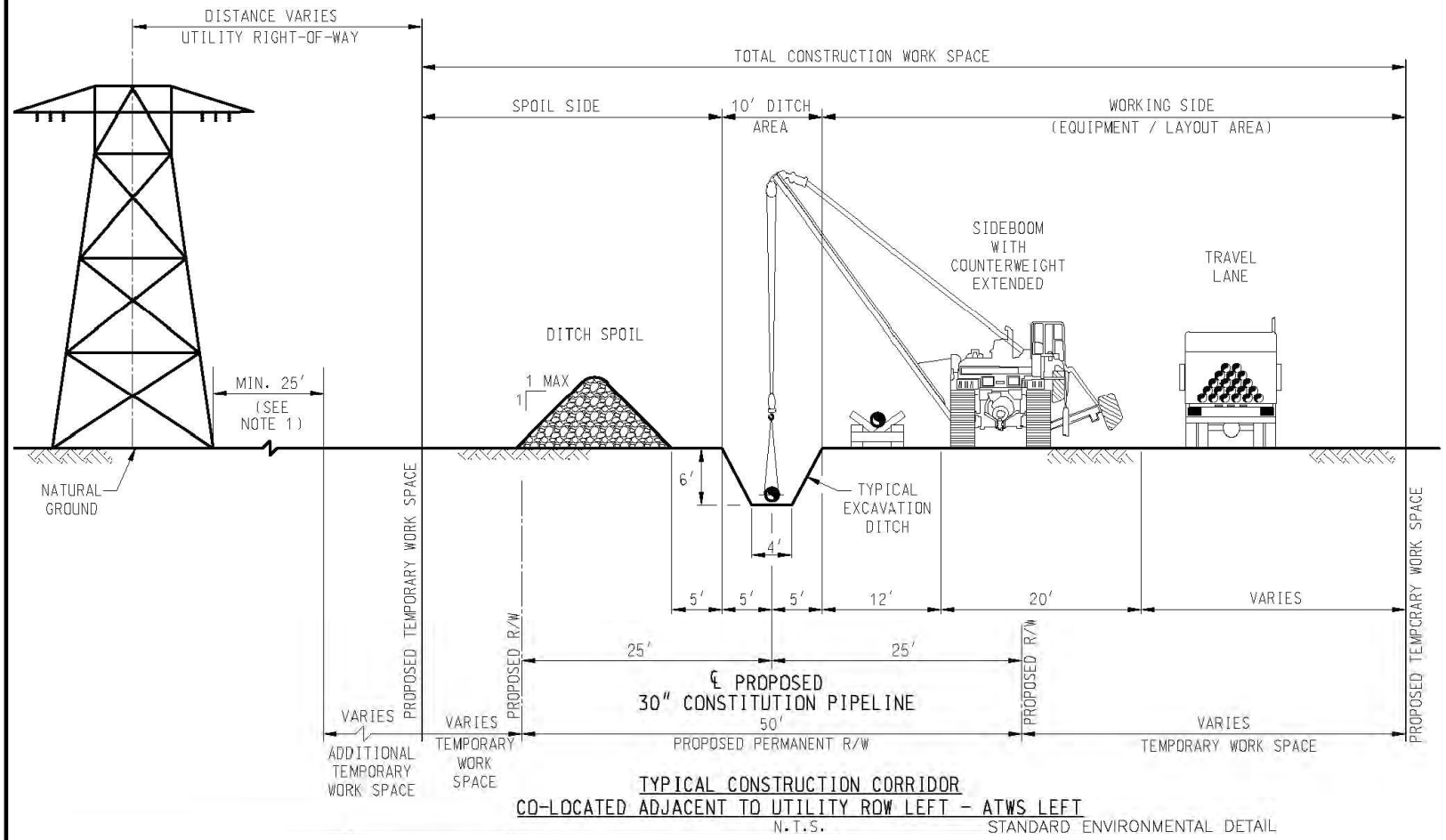
1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Within Existing Utility Right-of-Way

Appendix C-23



NOTES:

1. THE SEPARATION DISTANCE BETWEEN THE EDGE OF THE WORKSPACE AND THE UTILITY SUPPORT STRUCTURE WILL VARY BASED ON SPECIFIC UTILITY COMPANY REQUIREMENTS.

Not to Scale

Constitution Pipeline Project
Typical Right-of-Way Cross-Section Co-Located Adjacent to Utility ROW Left – ATWS Left

Typical construction drawing obtained from Constitution's Environmental Construction Plan

Appendix C-24

APPENDIX D

Extra Workspaces Associated with Construction of the Constitution Pipeline Project

APPENDIX D
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
PENNSYLVANIA										
Susquehanna County										
ATWS 001	Brooklyn	0.2	0.2	Varies	150	0.1	UF			h
ATWS 002	Brooklyn	0.2	0.2	24	65	0.0	AG, UF	SU-1C-W344	29	h
ATWS 003	Brooklyn	0.5	0.5	50	150	0.2	AG	SU-1B-W227	44	d
ATWS 004	Brooklyn	0.8	0.8	50	100	0.1	UF	SU-1X-W345	11	h
ATWS 005	Brooklyn	0.9	0.9	50	100	0.1	OL, UF	SU-1Q-W316	31	h
ATWS 006	Brooklyn	1.2	1.2	50	48	0.1	UF			d
ATWS 007	Brooklyn	1.2	1.2	50	150	0.2	UF			d
ATWS 008	Brooklyn	2.1	2.1	50	100	0.1	OL	SU-1C-W187	21	i
ATWS 009	Brooklyn	2.2	2.2	50	100	0.1	OL	SU-1C-W187	18	i
ATWS 010	Brooklyn	2.5	2.6	50	100	0.1	AG			i
ATWS 011	Brooklyn	2.8	2.9	50	150	0.2	UF			d
ATWS 012	Brooklyn	2.9	2.9	90	166	0.5	ID, UF			d
ATWS 013	Brooklyn	2.9	2.9	150	116	0.3	UF			d
ATWS 014	Brooklyn	2.9	2.9	47	150	0.3	UF			d
ATWS 015	Harford	3.0	3.0	50	100	0.1	RE, UF	SU-1B-S228	48	d
ATWS 016	Harford	3.0	3.1	50	96	0.1	OL, UF	SU-1M-S229, SU-1B-S275	10, 11	d
ATWS 017	Harford	3.1	3.1	50	150	0.2	UF	SU-1M-S275A	37	d
ATWS 018	Harford	3.3	3.3	50	100	0.1	UF	SU-1B-W234	20	i
ATWS 019	Harford	3.3	3.3	50	33	0.1	UF	SU-1M-S276, SU-1M-S276A	17, 34	d
ATWS 020	Harford	3.3	3.4	50	150	0.2	AG			d
ATWS 021	Harford	4.2	4.2	50	100	0.1	UF			i
ATWS 022	Harford	4.3	4.3	50	100	0.1	AG,UF			i
ATWS 023	New Milford	4.4	4.4	50	100	0.1	AG			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 024	New Milford	4.6	4.6	50	100	0.1	AG			i
ATWS 025	New Milford	5.2	5.5	40	1147	1.0	AG, UF			b
ATWS 026	New Milford	5.5	5.5	50	150	0.2	AG, UF			d
ATWS 027	New Milford	5.5	5.6	50	150	0.2	AG			i
ATWS 028	New Milford	6.1	6.1	50	150	0.2	UF			d
ATWS 029	New Milford	6.1	6.2	50	150	0.2	UF			d
ATWS 030	New Milford	6.6	6.6	50	150	0.2	OL, UF			i
ATWS 031	New Milford	6.8	6.9	50	150	0.2	AG	SU-1F-W135	48	i
ATWS 032	New Milford	7.8	7.8	50	150	0.2	AG, RD			d
ATWS 033	New Milford	7.9	7.9	50	74	0.1	AG, UF			d
ATWS 034	New Milford	7.9	7.9	50	150	0.2	UF			h
ATWS 035	New Milford	8.4	8.4	50	85	0.1	RE			d
ATWS 036	New Milford	8.4	8.5	50	150	0.2	UF			d
ATWS 037	New Milford	8.7	8.7	50	150	0.2	UF			h, i
ATWS 038	New Milford	8.8	8.8	50	150	0.2	AG, UF			h, i
ATWS 039	New Milford	8.9	8.9	50	90	0.1	UF	SU-1F-W141	32	h
ATWS 040	New Milford	9.1	9.1	50	100	0.1	AG	SU-1C-W149A	10	i
ATWS 041	New Milford	9.2	9.2	50	150	0.2	AG	SU-1F-W141, SU-1D-S230, SU-1D-W245	46, 39, 40	d
ATWS 042	New Milford	9.3	9.3	50	150	0.2	AG			i
ATWS 043	New Milford	9.7	9.8	50	150	0.2	UF			d
ATWS 044	New Milford	9.8	9.8	50	150	0.2	AG			d
ATWS 045	New Milford	10.0	10.0	50	50	0.1	UF	SU-1C-S029G, SU-1D-W250	46, 6	d
ATWS 046	New Milford	10.0	10.0	50	42	0.0	UF	SU-1D-W250	35	d
ATWS 047	New Milford	10.0	10.0	50	150	0.2	UF, OL	SU-1X-W253, SU-1D-W254	44, 19	h, i
ATWS 049	New Milford	10.1	10.2	50	150	0.2	OL			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 048	New Milford	10.2	10.2	200	76	0.7	OL	SU-1D-W254	32	o
ATWS 050	New Milford	10.7	10.7	50	206	0.2	AG			i
ATWS 051	New Milford	10.9	10.9	50	100	0.1	AG			i
ATWS 052	New Milford	11.0	11.1	50	100	0.1	UF	SU-1E-W040, SU-1G-W305	31, 11	i
ATWS 053	New Milford	11.2	11.2	50	115	0.1	OL, UF			e
ATWS 054	New Milford	11.2	11.3	50	248	0.3	UF			e
ATWS 055	New Milford	11.5	11.6	50	150	0.2	OL, UF			i
ATWS 056	New Milford	11.7	11.7	50	100	0.1	UF	SU-1B-W045	19	i
ATWS 057	New Milford	11.8	11.8	50	150	0.2	AG			i
ATWS 058	New Milford	12.0	12.0	50	150	0.2	UF			h
ATWS 059	New Milford	12.8	12.8	50	150	0.2	OL, UF	SU-1L-W307	44	d
ATWS 060	New Milford	12.8	12.8	50	62	0.1	OL, UF			d
ATWS 061	New Milford	12.9	12.9	50	100	0.1	OL, UF			h, i
ATWS 062	Jackson	13.5	13.5	50	100	0.1	UF			i
ATWS 063	Jackson	13.6	13.6	50	100	0.1	UF			i
ATWS 064	Jackson	14.2	14.2	50	150	0.2	UF			i
ATWS 065	Jackson	14.3	14.3	50	150	0.2	OL			i
ATWS 066	Jackson	14.4	14.4	50	75	0.1	RE,UF	SU-1B-W134, SU-1G-W055, SU-1B-S134	43, 44, 48	d
ATWS 067	Jackson	14.4	14.5	50	150	0.2	UF			i
ATWS 068	Jackson	14.6	14.7	50	150	0.2	AG, OL			i
ATWS 069	Jackson	14.8	14.8	50	150	0.2	AG			d
ATWS 070	Jackson	15.0	15.1	50	565	0.5	AG, OL, UF	SU-1K-S064	10	n
ATWS 071	Jackson	15.2	15.2	50	100	0.1	AG			h, i
ATWS 072	Jackson	15.2	15.3	50	100	0.1	UF	SU-1G-W059A	7	h, i
ATWS 073	Jackson	15.3	15.3	125	225	0.6	UF	SU-1K-S067, SU-1G-S068,	46, 23, 7	n

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
								SU-1G-W059A		
ATWS 074	Jackson	15.7	15.7	115	254	0.6	AG, OL, UF	SU-1K-W064	20	n
ATWS 075	Oakland	16.3	16.3	50	100	0.1	UF			i
ATWS 076	Oakland	16.4	16.4	50	100	0.1	UF			i
ATWS 077	Oakland	16.6	16.6	50	150	0.2	UF	SU-1H-W164	48	i
ATWS 078	Oakland	16.7	16.8	50	316	0.4	OL, UF			d, i
ATWS 079	Oakland	16.8	16.9	50	317	0.4	OL, RD	SU-XX-S16.87	49	d, h
ATWS 080	Oakland	16.9	16.9	50	150	0.2	OL			h
ATWS 081	Oakland	17.0	17.0	50	150	0.2	UF			d
ATWS 082	Harmony	17.1	17.1	50	150	0.2	UF			d
ATWS 083	Harmony	17.2	17.3	50	313	0.4	UF			g
ATWS 084	Harmony	17.9	18.0	50	100	0.1	UF			h
ATWS 085	Harmony	18.0	18.0	50	100	0.1	UF			h
ATWS 086	Harmony	18.8	18.8	50	100	0.1	UF			h, i
ATWS 090	Harmony	18.9	19.0	50	150	0.2	CM, UF			d
ATWS 091	Harmony	19.9	19.9	50	100	0.1	UF			h, i
ATWS 092	Harmony	19.9	20.0	50	167	0.2	UF	SU-1G-S286A	48	h, i
ATWS 093	Harmony	20.0	20.1	50	100	0.1	UF			h, i
ATWS 094	Harmony	20.7	20.7	50	55	0.1	UF	SU-1S-W304	17	h
ATWS 095	Harmony	20.8	20.8	50	100	0.1	UF	SU-1S-W309	8	h, i
ATWS 096	Harmony	21.5	21.5	50	150	0.2	OL, UF	SU-1G-S367	48	d
ATWS 097	Harmony	21.6	21.6	100	175	0.4	OL, RE, UF			h, i
ATWS 098	Harmony	21.7	21.7	50	150	0.2	RD, RE			d
ATWS 099	Harmony	21.7	21.7	50	150	0.2	RD, RE			d
ATWS 100	Harmony	21.8	21.8	50	100	0.1	RE			h
ATWS 101	Harmony	21.8	21.9	50	100	0.1	UF	SU-1C-W289A	37	h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 102	Harmony	22.4	22.5	50	100	0.1	UF			i
ATWS 103	Harmony	22.5	22.6	50	100	0.1	RE			d
ATWS 104	Harmony	22.6	22.6	50	46	0.1	OL, RD, RE	SU-1G-W312, SU-1C-S282	9, 6	d
ATWS 105	Harmony	22.7	22.7	50	100	0.1	UF			i
ATWS 106	Harmony	22.8	22.8	50	100	0.1	UF			i
ATWS 107	Harmony	23.3	23.3	50	100	0.1	OL, UF			i
ATWS 108	Harmony	23.4	23.4	50	100	0.1	OL, UF			h, i
ATWS 109	Harmony	23.8	23.8	50	100	0.1	UF			h, i
ATWS 110	Harmony	23.9	23.9	50	100	0.1	UF	SU-1B-S277	34	h
ATWS 111	Harmony	24.2	24.3	50	100	0.1	UF			h, i
ATWS 112	Harmony	24.3	24.3	50	100	0.1	UF			h, i
ATWS 113	Harmony	24.4	24.4	50	150	0.2	UF			h, i
ATWS 114	Harmony	24.4	24.5	50	150	0.2	UF			h
ATWS 115	Harmony	25.0	25.0	50	100	0.1	UF			i
ATWS 116	Harmony	25.1	25.1	50	100	0.1	UF	SU-1C-W170	49	i
Pennsylvania Pipeline Extra Workspaces Total						**19.5**				
NEW YORK										
Broome County										
ATWS 117	Sanford	26.4	26.4	50	100	0.1	UF			h, i
ATWS 118	Sanford	26.5	26.5	50	165	0.2	UF			h, i
ATWS 119	Sanford	26.7	26.7	50	100	0.1	UF			h, i
ATWS 121	Sanford	26.8	26.8	42	110	0.1	UF			j
ATWS 120	Sanford	26.8	26.8	50	176	0.2	RE, UF			j
ATWS 122	Sanford	26.9	27.1	40	957	0.9	UF			b
ATWS 123	Sanford	27.2	27.2	50	150	0.2	UF			d
ATWS 124	Sanford	27.3	27.3	50	150	0.2	OL	BR-XX-S27.26	46	h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 125	Sanford	27.4	27.4	50	100	0.1	AG			h
ATWS 126	Sanford	28.3	28.4	50	100	0.1	UF			h, i
ATWS 127	Sanford	28.4	28.5	50	150	0.2	UF			d, f
ATWS 128	Sanford	28.5	28.6	50	315	0.3	OL, UF	BR-1J-W210	8	d, f
ATWS 129	Sanford	28.7	28.7	50	100	0.1	OL	BR-1J-W210, BR-1H-S178	25, 49	h
ATWS 130	Sanford	28.9	28.9	50	150	0.2	OL, UF			d
ATWS 131	Sanford	28.9	28.9	50	198	0.2	OL, RE, WB	BR-1J-S170	0	d
ATWS 132	Sanford	29.1	29.1	50	150	0.1	OL			h
ATWS 133	Sanford	29.2	29.2	50	100	0.1	OL			h
ATWS 134	Sanford	29.4	29.4	50	100	0.1	UF	BR-1I-S050	46	h
ATWS 135	Sanford	29.7	29.7	50	100	0.1	UF	BR-1I-S051	49	i
ATWS 136	Sanford	29.8	29.8	50	100	0.1	OL			i
ATWS 137	Sanford	29.8	29.9	50	150	0.2	OL			d
ATWS 138	Sanford	29.9	29.9	50	150	0.1	UF			d
ATWS 139	Sanford	30.2	30.3	50	300	0.4	AG, UF			c, i
ATWS 140	Sanford	30.3	30.4	50	150	0.2	UF			d
ATWS 141	Sanford	30.4	30.4	50	190	0.3	AG	BR-1I-W055	42	d
ATWS 142	Sanford	30.4	30.5	40	405	0.4	AG	BR-1I-W056, BR-1I-W054B	37, 41	b
ATWS 143	Sanford	30.7	30.7	50	244	0.3	AG, UF	BR-1B-W057	48	h, i
ATWS 144	Sanford	30.7	30.8	50	150	0.2	AG, UF	BR-1I-S055	48	h
ATWS 145	Sanford	30.8	30.9	50	150	0.2	AG			d
ATWS 146	Sanford	30.9	30.9	50	150	0.2	RE			d
ATWS 147	Sanford	31.7	31.7	50	150	0.2	UF	BR-1H-S132	48	h
ATWS 148	Sanford	31.8	31.8	50	359	0.4	AG, UF	BR-1H-S132	49	d, h
ATWS 149	Sanford	31.8	31.9	50	150	0.2	AG, UF			d
ATWS 150	Sanford	32.7	32.7	50	150	0.2	UF			d

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 152	Sanford	32.7	32.9	50	774	0.9	AG	BR-1I-S188A	49	o
ATWS 151	Sanford	32.8	32.8	50	150	0.2	AG			d
ATWS 153	Sanford	32.9	32.9	50	100	0.1	AG, UF			h
ATWS 154	Sanford	32.9	33.0	50	100	0.1	OL, UF	BR-1G-S188	23	h
ATWS 155	Sanford	33.1	33.1	50	100	0.1	OL, UF	BR-1I-W059	11	i
ATWS 156	Sanford	33.3	33.3	50	150	0.2	PSS	BR-1I-W059	0	e
ATWS 157	Sanford	33.6	33.6	50	150	0.2	UF	BR-1G-S186	11	h, i
ATWS 158	Sanford	33.7	33.7	50	150	0.2	AG	BR-1G-S185	49	i
ATWS 159	Sanford	33.9	33.9	50	200	0.2	AG			h
ATWS 160	Sanford	34.0	34.0	50	150	0.2	AG			h
ATWS 161	Sanford	34.5	34.6	50	242	0.3	OL	BR-1H-S181A, BR-1S-S181	10, 15	d
ATWS 162	Sanford	34.6	34.6	50	64	0.1	OL, UF	BR-1S-S181	39	d
ATWS 163	Sanford	34.8	34.8	50	100	0.1	OL	BR-1H-W156	26	i
ATWS 164	Sanford	34.9	34.9	50	100	0.1	OL			i
ATWS 165	Sanford	34.9	34.9	50	150	0.2	OL	BR-1H-W156	44	i
ATWS 166	Sanford	35.0	35.0	50	150	0.2	OL			i
ATWS 167	Sanford	35.1	35.2	50	100	0.1	OL, RE	BR-1K-W161	39	i
ATWS 168	Sanford	35.3	35.3	50	100	0.1	OL			i
ATWS 169	Sanford	35.5	35.5	50	100	0.1	OL	BR-1U-W168	34	i
ATWS 170	Sanford	35.6	35.6	50	100	0.1	OL	BR-1U-W168	29	i
ATWS 171	Sanford	35.6	35.7	50	242	0.3	OL			d
ATWS 172	Sanford	35.8	35.8	50	200	0.2	AG, UF			d
ATWS 173	Sanford	35.8	35.9	50	140	0.2	AG			i
ATWS 174	Sanford	36.1	36.1	50	70	0.1	AG			i
ATWS 175	Sanford	36.2	36.2	50	100	0.1	AG			i
ATWS 176	Sanford	36.3	36.3	50	120	0.2	UF			d

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 177	Sanford	36.3	36.3	50	142	0.2	AG			d
ATWS 178	Sanford	36.5	36.5	50	100	0.1	OL, UF			i
ATWS 179	Sanford	36.6	36.6	25	145	0.1	UF			o
ATWS 180	Sanford	36.7	36.7	50	100	0.1	UF			h, i
ATWS 181	Sanford	37.2	37.3	50	150	0.2	OL			d
ATWS 182	Sanford	37.3	37.3	50	218	0.3	OL, UF			d
ATWS 183	Sanford	37.3	37.4	50	275	0.3	UF	BR-1I-S067	49	j
ATWS 184	Sanford	37.7	37.8	50	100	0.1	OL			i
ATWS 185	Sanford	37.8	37.8	50	100	0.1	OL			i
ATWS 186	Sanford	37.9	38.0	50	100	0.1	UF	BR-1B-W074	49	i
ATWS 187	Sanford	38.1	38.1	50	150	0.2	UF			i
ATWS 188	Sanford	38.2	38.2	50	284	0.3	OL, RD, UF			i
ATWS 189	Sanford	38.4	38.4	50	121	0.1	OL			i
ATWS 191	Sanford	38.7	38.7	50	150	0.2	OL, UF			d
ATWS 192	Sanford	38.9	38.9	50	70	0.1	UF	BR-1C-W180	49	i
ATWS 193	Sanford	39.1	39.1	50	85	0.1	OL			i
ATWS 194	Sanford	39.2	39.3	50	150	0.2	AG			d
ATWS 195	Sanford	39.6	39.6	50	100	0.1	UF			i
ATWS 196	Sanford	39.7	39.7	50	100	0.1	UF	BR-1C-S221	49	i
ATWS 197	Sanford	40.1	40.1	50	150	0.2	UF			e
ATWS 198	Sanford	40.2	40.3	50	150	0.1	UF			e
ATWS 199	Sanford	40.3	40.3	50	150	0.2	RE, UF			d
ATWS 200	Sanford	40.4	40.4	50	77	0.1	UF			l
ATWS 201	Sanford	40.4	40.5	50	150	0.2	UF			d
ATWS 202	Sanford	40.6	40.6	50	100	0.1	UF			i
ATWS 203	Sanford	40.7	40.8	50	150	0.2	UF			l

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 204	Sanford	40.8	40.9	50	157	0.1	AG			d
ATWS 205	Sanford	40.9	40.9	50	100	0.1	AG			i
ATWS 206	Sanford	41.1	41.2	50	100	0.1	UF			i
ATWS 207	Sanford	41.5	41.5	50	100	0.1	AG			i
ATWS 208	Sanford	41.7	41.8	50	150	0.2	OL	BR-1X-W192	1	d
ATWS 209	Sanford	41.9	42.0	50	150	0.2	AG			d
ATWS 210	Sanford	42.0	42.0	50	150	0.2	AG, UF			d
ATWS 211	Sanford	42.1	42.1	50	100	0.1	UF			h
ATWS 212	Sanford	42.2	42.2	50	150	0.2	UF			h
Chenango County										
ATWS 213	Afton	42.4	42.4	50	100	0.1	UF			h, i
ATWS 214	Afton	42.4	42.5	50	100	0.1	UF			h, i
ATWS 215	Afton	42.6	42.6	50	100	0.1	OL			h
ATWS 216	Afton	42.7	42.8	50	110	0.1	UF			d
ATWS 217	Afton	42.8	42.8	50	88	0.1	UF	CH-XX-S42.78	27	d
ATWS 218	Afton	43.1	43.1	50	150	0.2	OL			d
ATWS 219	Afton	43.1	43.1	50	150	0.2	OL			d
ATWS 220	Afton	43.4	43.5	50	100	0.1	OL, UF			h
ATWS 221	Afton	43.6	43.6	50	100	0.1	OL			i
ATWS 222	Afton	43.6	43.6	50	100	0.1	OL			i
ATWS 223	Afton	43.9	43.9	50	100	0.1	UF			i
ATWS 224	Afton	44.0	44.0	50	150	0.2	RD, UF			d
ATWS 225	Afton	44.0	44.1	50	150	0.2	UF			d
ATWS 226	Afton	45.1	45.1	50	100	0.1	UF			h
ATWS 227	Afton	45.2	45.2	50	100	0.1	UF			h
ATWS 231	Afton	45.3	45.3	50	150	0.2	AG, UF			d

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 232	Afton	45.7	45.7	50	100	0.1	OL, UF			i
ATWS 233	Afton	45.9	46.0	50	100	0.1	AG, UF			i
ATWS 234	Afton	46.1	46.1	50	100	0.1	AG			i
ATWS 235	Afton	46.2	46.2	50	100	0.1	AG			i
ATWS 236	Afton	46.2	46.2	50	100	0.1	AG	CH-1X-S063	49	i
ATWS 237	Afton	46.3	46.3	50	100	0.1	AG	CH-1X-W067	41	i
ATWS 238	Afton	46.3	46.4	50	100	0.1	AG			a
ATWS 238A	Afton	46.4	46.4	65	150	0.2	UF			a
ATWS 239	Afton	46.5	46.6	50	100	0.1	UF	CH-1Q-W038	29	h, i
ATWS 240	Afton	46.7	46.7	50	150	0.2	UF	CH-1Q-W040	49	h, i
ATWS 241	Afton	46.7	46.7	50	100	0.1	UF			h, i
ATWS 242	Afton	46.8	46.8	50	100	0.1	UF			i
ATWS 243	Afton	46.8	46.8	50	100	0.1	UF			i
ATWS 244	Afton	47.2	47.3	50	85	0.1	AG			i
ATWS 245	Afton	47.3	47.3	50	100	0.1	AG, RE	CH-1C-W017, CH-1C-S008	32, 31	d
ATWS 246	Afton	47.3	47.4	200	250	1.1	AG			d, p
ATWS 247	Afton	47.4	47.5	65	388	0.5	AG, PEM	CH-1C-W018	0	n
ATWS 248	Bainbridge	47.5	47.6	75	410	0.7	AG			i, n
ATWS 249	Bainbridge	47.9	47.9	100	250	0.7	AG			n
ATWS 249	Bainbridge	47.9	47.9	50	125	0.7	AG			n
ATWS 250	Bainbridge	48.0	48.0	50	123	0.1	OL			d
ATWS 251	Bainbridge	48.0	48.1	50	150	0.2	UF	CH-1H-W025	49	d
ATWS 252	Bainbridge	48.2	48.2	50	147	0.2	AG, UF			h, i
ATWS 253	Bainbridge	48.3	48.3	50	150	0.2	UF			i
ATWS 254	Bainbridge	48.4	48.4	50	100	0.1	UF			i
ATWS 255	Bainbridge	49.6	49.6	50	100	0.1	UF			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 256	Bainbridge	49.7	49.7	50	101	0.1	UF			i
ATWS 257	Bainbridge	50.4	50.5	50	150	0.2	UF			i
Delaware County										
ATWS 258	Masonville	50.6	50.7	50	150	0.2	UF			i
ATWS 259	Masonville	50.9	50.9	50	150	0.2	UF			i
ATWS 260	Masonville	51.0	51.1	50	150	0.2	UF	DE-1B-S027	48	d
ATWS 261	Masonville	51.5	51.5	50	150	0.2	UF			d
ATWS 262	Masonville	51.6	51.7	50	150	0.2	AG	DE-1H-S028	14	d
ATWS 263	Masonville	52.1	52.2	50	100	0.1	UF	DE-1K-W227	40	i
ATWS 264	Masonville	52.2	52.2	50	50	0.1	UF			i
ATWS 265	Sidney	52.6	52.6	50	117	0.1	UF			h
ATWS 266	Sidney	52.7	52.8	50	150	0.2	OL, UF			e
ATWS 267	Sidney	53.4	53.5	50	613	0.7	OL, UF			e
ATWS 268	Sidney	53.5	53.6	50	150	0.2	RE			d
ATWS 269	Sidney	53.6	53.6	50	150	0.2	AG			d
ATWS 270	Sidney	53.8	53.8	50	163	0.2	AG			e
ATWS 271	Sidney	53.8	53.9	50	146	0.2	UF			h, i
ATWS 272	Sidney	53.9	54.2	25	1563	0.9	UF			n
ATWS 273	Sidney	54.2	54.3	108	250	0.6	UF			n
ATWS 274	Sidney	55.2	55.2	75	250	0.4	UF			n
ATWS 275	Sidney	55.2	55.3	100	250	0.5	PEM, PFO, OL, UF	DE-1F-W075	0	n
ATWS 276	Sidney	55.7	55.8	50	150	0.2	OL	DE-1K-S077A	32	d
ATWS 277	Sidney	55.9	56.0	50	425	0.5	OL, UF			d, i
ATWS 278	Sidney	56.0	56.1	50	150	0.2	AG			d
ATWS 279	Sidney	56.3	56.3	50	179	0.2	UF			f

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 280	Sidney	56.3	56.4	50	140	0.2	AG, UF			f
ATWS 281	Sidney	56.4	56.5	50	150	0.2	AG, OL			d
ATWS 282	Sidney	56.5	56.5	50	142	0.2	AG			d
ATWS 283	Sidney	56.7	56.7	50	150	0.2	OL, UF	DE-1X-W56.74	44	h
ATWS 284	Sidney	56.8	56.8	50	150	0.2	UF			h
ATWS 285	Sidney	57.0	57.0	50	60	0.1	AG, OL, UF			i
ATWS 286	Sidney	57.0	57.1	50	100	0.1	AG			i
ATWS 287	Sidney	57.8	57.8	50	150	0.2	OL			d
ATWS 288	Sidney	58.0	58.1	50	195	0.2	UF			i
ATWS 289	Sidney	58.2	58.2	50	150	0.2	UF			i
ATWS 290	Sidney	58.2	58.2	50	150	0.2	AG, UF			i
ATWS 291	Sidney	58.3	58.4	50	100	0.1	UF			i
ATWS 292	Sidney	58.7	58.7	50	100	0.1	UF			h
ATWS 293	Sidney	58.8	58.8	50	100	0.1	OL			h
ATWS 294	Sidney	58.9	58.9	50	100	0.1	AG, UF			h
ATWS 295	Sidney	59.1	59.1	50	150	0.2	AG, UF			h
ATWS 296	Sidney	59.4	59.5	50	150	0.2	UF	DE-1M-S080	41	i
ATWS 297	Sidney	59.7	59.7	50	115	0.1	UF			i
ATWS 298	Sidney	59.9	59.9	50	100	0.1	UF			h
ATWS 299	Sidney	59.9	60.0	50	150	0.1	AG			h
ATWS 300	Sidney	60.3	60.3	50	100	0.1	UF	DE-1C-W205	48	i
ATWS 301	Sidney	60.3	60.3	50	100	0.1	OL	DE-1C-W205	49	i
ATWS 302	Sidney	60.6	60.6	50	90	0.1	OL			d
ATWS 303	Sidney	60.6	60.6	50	150	0.2	AG			d
ATWS 304	Sidney	60.7	60.8	150	159	0.4	AG	DE-1P-W134	44	h, q
ATWS 305	Sidney	60.8	60.8	50	89	0.1	AG			h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 306	Sidney	61.1	61.1	50	100	0.1	AG, UF			h
ATWS 307	Sidney	61.2	61.2	50	150	0.2	OL, UF			d
ATWS 308	Sidney	61.2	61.2	50	150	0.2	OL			d
ATWS 309	Sidney	61.3	61.3	50	100	0.1	OL			h
ATWS 310	Sidney	61.4	61.4	50	100	0.1	UF			i
ATWS 310A	Sidney	61.6	61.6	50	78	0.1	UF			d
ATWS 311	Sidney	61.6	61.6	50	150	0.2	OL, UF			d
ATWS 312	Sidney	63.1	63.1	50	100	0.1	UF			i
ATWS 313	Sidney	63.2	63.2	50	100	0.1	UF			i
ATWS 314	Sidney	63.6	63.6	50	100	0.1	UF			i
ATWS 315	Sidney	63.7	63.8	50	100	0.1	UF			i
ATWS 316	Sidney	63.9	63.9	50	100	0.1	UF			h, i
ATWS 317	Sidney	64.0	64.0	50	100	0.1	UF			h, i
ATWS 318	Franklin	65.2	65.2	50	155	0.2	UF			d, i
ATWS 319	Franklin	65.2	65.3	50	150	0.2	AG			d, i
ATWS 320	Franklin	66.0	66.0	50	150	0.2	AG			d
ATWS 321	Franklin	66.0	66.0	50	150	0.2	OL			d
ATWS 322	Franklin	66.2	66.2	50	150	0.2	OL			h, i
ATWS 323	Franklin	66.3	66.4	50	150	0.2	AG, UF	DE-1M-W175	48	i
ATWS 324	Franklin	66.7	66.8	50	150	0.2	OL			d
ATWS 325	Franklin	66.8	66.8	50	150	0.2	AG			d
ATWS 326	Franklin	68.8	68.8	50	106	0.1	UF	DE-XX-S68.81	45	d
ATWS 327	Franklin	68.9	68.9	50	150	0.2	OL, UF			d
ATWS 328	Franklin	69.5	69.5	50	100	0.1	OL, UF			h
ATWS 329	Franklin	69.5	69.5	50	100	0.2	OL			h
ATWS 330	Franklin	70.6	70.6	50	89	0.1	AG, UF	DE-1W-S055A	49	h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 331	Franklin	70.8	70.9	50	100	0.1	OL, UF			i
ATWS 333	Franklin	71.0	71.0	50	96	0.1	OL, RD, UF	DE-1W-W065	6	d, h, i
ATWS 334	Franklin	71.0	71.0	50	150	0.2	UF			d
ATWS 335	Franklin	71.5	71.5	50	150	0.2	UF			d
ATWS 336	Franklin	71.5	71.6	50	129	0.1	ID			d
ATWS 337	Franklin	71.6	71.6	140	200	0.6	AG			p
ATWS 338	Franklin	71.7	71.7	100	438	0.6	AG, UF	DE-1W-W073	38	h, o
ATWS 339	Franklin	71.8	71.8	50	100	0.1	AG, UF			h, i
ATWS 340	Franklin	71.9	71.9	50	100	0.1	UF			h, i
ATWS 341	Franklin	72.2	72.3	50	410	0.4	UF			k
ATWS 342	Franklin	73.0	73.0	50	150	0.2	UF			h
ATWS 343	Franklin	73.0	73.0	50	150	0.2	UF	DE-XX-S72.98	45	h
ATWS 344	Franklin	73.2	73.3	50	150	0.2	UF			d
ATWS 345	Franklin	73.3	73.3	50	150	0.2	AG			d
ATWS 346	Franklin	73.4	73.5	50	100	0.1	UF			i
ATWS 347	Franklin	73.6	73.6	50	100	0.1	UF			i
ATWS 348	Davenport	74.2	74.3	50	150	0.2	UF			h, i
ATWS 349	Davenport	74.3	74.4	50	150	0.2	UF			h, i
ATWS 350	Davenport	74.4	74.5	50	150	0.2	UF			d
ATWS 351	Davenport	74.5	74.5	50	150	0.2	AG, UF			d
ATWS 352	Davenport	75.3	75.3	50	150	0.2	AG, OL	DE-1C-S268	43	d, h, i
ATWS 353	Davenport	75.3	75.4	50	150	0.2	OL			d, h, i
ATWS 354	Davenport	75.9	75.9	50	150	0.2	UF	DE-XX-S75.87	39	h
ATWS 355	Davenport	75.9	75.9	50	46	0.1	OL	DE-XX-S75.87	40	d
ATWS 356	Davenport	75.9	75.9	50	150	0.2	UF			d
ATWS 357	Davenport	76.4	76.4	50	150	0.2	UF	DE-XX-S76.42	49	h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 358	Davenport	76.5	76.5	50	150	0.2	OL			d
ATWS 359	Davenport	76.8	76.9	50	100	0.1	UF			i
ATWS 360	Davenport	76.9	77.0	50	100	0.1	UF			i
ATWS 361	Davenport	77.4	77.4	50	150	0.2	AG, UF			d
ATWS 362	Davenport	77.4	77.4	50	150	0.2	AG			d
ATWS 363	Davenport	77.6	77.6	50	150	0.2	AG			d
ATWS 364	Davenport	77.7	77.7	50	150	0.2	OL			d
ATWS 364A	Davenport	77.8	77.8	50	100	0.1	UF			h
ATWS 364B	Davenport	77.9	77.9	50	100	0.1	UF			h
ATWS 365	Davenport	78.0	78.0	50	100	0.1	UF			h, i
ATWS 366	Davenport	78.1	78.2	50	240	0.3	AG, UF			h, i
ATWS 367	Davenport	78.2	78.2	50	125	0.1	UF	DE-1C-S241	38	d, h
ATWS 368	Davenport	78.2	78.3	50	150	0.2	AG	DE-1C-S241	8	d, h
ATWS 369	Davenport	78.3	78.3	50	100	0.1	AG			h
ATWS 370	Davenport	78.3	78.4	50	100	0.1	AG, UF			h
ATWS 371	Davenport	78.5	78.5	50	150	0.2	AG	DE-1L-W250	48	i
ATWS 372	Davenport	78.8	78.8	50	150	0.2	OL, UF			i
ATWS 373	Davenport	78.9	78.9	40	215	0.2	UF			b
ATWS 374	Davenport	79.0	79.1	50	100	0.1	UF			h, i
ATWS 375	Davenport	79.2	79.2	50	100	0.1	UF			h, i
ATWS 376	Davenport	79.2	79.2	50	100	0.1	UF			h
ATWS 377	Davenport	79.3	79.3	50	150	0.2	UF			d
ATWS 378	Davenport	79.4	79.4	50	150	0.2	RE, UF	DE-XX-S79.36	49	d, h
ATWS 379	Davenport	79.6	79.7	40	497	0.5	UF			b
ATWS 380	Davenport	79.8	79.8	40	100	0.1	UF			i
ATWS 381	Davenport	79.9	79.9	50	100	0.1	UF			h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Nominal[b] Dimensions (feet) Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 382	Davenport	80.0	80.0	50	100	0.1	UF			i
ATWS 383	Davenport	80.3	80.3	50	175	0.2	OL, UF			h, i
ATWS 384	Davenport	80.4	80.4	47	122	0.1	RD, UF	DE-1G-S206	39	d, h
ATWS 385	Davenport	80.4	80.5	50	110	0.1	OL, UF	DE-1G-S206	48	d, h
ATWS 386	Davenport	80.5	80.5	50	100	0.1	OL, UF	DE-1B-S267	49	h
ATWS 387	Davenport	80.5	80.5	50	100	0.1	UF	DE-1B-S267	49	h
ATWS 388	Davenport	80.6	80.7	50	100	0.1	UF			h
ATWS 389	Davenport	80.8	80.8	50	100	0.1	UF			i
ATWS 390	Davenport	80.9	80.9	50	100	0.1	AG			d
ATWS 391	Davenport	80.9	81.0	50	150	0.2	AG, UF			d
ATWS 392	Davenport	81.6	81.6	50	150	0.2	UF			h
ATWS 393	Davenport	81.7	81.8	50	595	1.0	OL, UF	DE-1G-S201A	43	d, h, o
ATWS 394	Davenport	81.8	81.8	50	150	0.2	OL, UF			d
ATWS 395	Davenport	81.9	82.0	50	100	0.1	OL, UF			h
ATWS 396	Davenport	82.1	82.1	50	100	0.1	UF			h, i
ATWS 397	Davenport	82.8	82.8	50	150	0.2	AG			d
ATWS 398	Davenport	82.8	82.8	50	150	0.2	RD, UF			d
ATWS 399	Davenport	83.1	83.1	50	100	0.1	UF	DE-1B-S271	40	h
ATWS 400	Davenport	83.2	83.2	50	100	0.1	UF	DE-1B-W336	42	h
ATWS 401	Davenport	83.3	83.3	50	100	0.1	UF			h, i
ATWS 402	Davenport	83.5	83.5	50	100	0.1	UF			h, i
ATWS 403	Davenport	84.6	84.7	50	150	0.2	OL, RD, UF			d
ATWS 404	Davenport	84.7	84.7	50	125	0.1	OL, UF	DE-XX-S84.70	45	d
ATWS 405	Davenport	84.7	84.7	50	100	0.1	OL, UF			h
ATWS 406	Davenport	85.2	85.2	50	138	0.2	UF	DE-1G-W008	41	d
ATWS 408	Davenport	85.2	85.6	50	2158	2.5	UF	DE-1N-W009	19	n

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 407	Davenport	85.3	85.3	50	143	0.2	UF			i
ATWS 409	Davenport	85.6	85.7	15	250	0.1	UF			n
ATWS 410	Davenport	85.6	85.7	85	250	0.5	UF			n
ATWS 412	Davenport	86.0	86.0	87	250	0.5	UF			n
ATWS 411	Davenport	86.0	86.0	15	250	0.1	UF			n
ATWS 413	Davenport	86.0	86.1	50	100	0.1	UF			h, i
ATWS 414	Davenport	86.2	86.3	50	100	0.1	UF			h, i
ATWS 415	Davenport	86.6	86.6	50	125	0.2	UF			d
ATWS 416	Davenport	86.6	86.7	50	125	0.2	UF			d
ATWS 417	Davenport	87.0	87.0	50	100	0.1	UF			h, i
ATWS 418	Davenport	87.2	87.2	50	100	0.1	UF			h, i
ATWS 419	Davenport	87.2	87.3	50	150	0.2	UF			c
ATWS 420	Davenport	87.7	87.7	125	250	0.7	AG			n
ATWS 421	Davenport	88.1	88.1	150	252	0.8	AG, OL, UF			n
ATWS 423	Davenport	88.2	88.3	50	912	1.1	AG, UF			n
ATWS 424	Davenport	88.4	88.4	50	150	0.1	AG, UF			d
ATWS 425	Davenport	88.4	88.4	50	75	0.1	AG			d
ATWS 426	Davenport	88.5	88.5	50	140	0.2	AG, OL, UF			h
ATWS 427	Harpersfield	89.7	89.7	50	100	0.1	UF			i
ATWS 429	Harpersfield	90.8	90.8	50	100	0.1	UF			i
ATWS 430	Harpersfield	91.7	91.7	50	150	0.2	UF			d
ATWS 431	Harpersfield	91.7	91.7	50	150	0.2	UF			d
ATWS 432	Harpersfield	91.8	91.8	50	100	0.1	UF			h
ATWS 433	Harpersfield	91.8	91.9	50	100	0.1	UF			h
ATWS 434	Harpersfield	92.1	92.1	50	100	0.1	UF			i
ATWS 435	Harpersfield	92.1	92.2	50	100	0.1	UF			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 436	Harpersfield	92.3	92.3	50	150	0.2	UF			h
ATWS 437	Harpersfield	92.4	92.4	50	150	0.2	UF			i
ATWS 438	Harpersfield	93.0	93.0	220	300	1.5	AG			p
ATWS 439	Harpersfield	93.3	93.3	50	150	0.2	UF	DE-1G-W143	40	i
ATWS 440	Harpersfield	93.4	93.4	50	45	0.1	UF	DE-1G-W143	40	i
Schoharie County										
ATWS 441	Summit	93.6	93.6	50	100	0.1	UF			i
ATWS 442	Summit	93.8	93.8	25	145	0.1	OL	SC-1S-W402	46	c
ATWS 443	Summit	94.5	94.6	50	100	0.1	AG, UF			h, i
ATWS 444	Summit	94.7	94.7	50	150	0.2	UF			i
ATWS 445	Summit	94.9	95.0	50	150	0.1	OL	SC-1Y-S342, SC-1Y-W437	3, 14	d, h, i
ATWS 446	Summit	95.0	95.0	50	150	0.1	AG,RD	SC-1Y-W438, SC-1Y-S342	43, 43	d, h, i
ATWS 447	Summit	95.1	95.2	50	100	0.1	OL, UF			h
ATWS 448	Summit	95.3	95.3	40	327	0.3	UF	SC-1Q-S284	30	h, i
ATWS 449	Summit	95.4	95.4	50	178	0.2	UF			h, i
ATWS 450	Jefferson	96.1	96.1	50	100	0.1	UF			h, i
ATWS 451	Jefferson	96.4	96.4	50	150	0.2	UF	SC-1C-S280	46	a
ATWS 452	Jefferson	96.4	96.4	50	164	0.2	UF			a
ATWS 453	Jefferson	97.3	97.3	50	100	0.1	AG	SC-1C-W411	48	i
ATWS 454	Jefferson	97.4	97.4	50	100	0.1	AG			i
ATWS 455	Jefferson	97.5	97.5	50	208	0.3	AG	SC-1G-S343	49	d, h, i
ATWS 456	Jefferson	97.5	97.5	50	150	0.2	AG			d
ATWS 457	Jefferson	97.7	97.8	50	150	0.2	OL, UF	SC-1C-S329	49	a
ATWS 457A	Jefferson	97.8	97.8	50	100	0.1	UF			h
ATWS 458	Jefferson	98.6	98.6	50	100	0.1	UF			h, i
ATWS 459	Jefferson	98.6	98.7	50	100	0.1	UF			h, i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 460	Summit	99.2	99.2	50	150	0.2	UF			d
ATWS 461	Summit	99.2	99.3	50	150	0.2	UF			d
ATWS 462	Summit	100.8	100.8	50	150	0.2	RE, UF, RD			d
ATWS 463	Summit	100.8	100.9	50	150	0.2	AG			d
ATWS 464	Summit	100.9	100.9	50	100	0.1	AG, OL			i
ATWS 465	Summit	101.0	101.0	50	100	0.1	OL			i
ATWS 466	Summit	101.1	101.2	50	100	0.1	AG, OL			i
ATWS 468	Summit	101.8	101.8	50	150	0.2	UF			d, h, i
ATWS 469	Summit	102.0	102.1	50	150	0.2	OL			i
ATWS 470	Summit	102.1	102.2	50	150	0.2	UF	SC-1E-W105	45	i
ATWS 471	Summit	102.5	102.6	50	150	0.2	RD, UF	SC-1R-W111	34	d
ATWS 472	Summit	102.6	102.6	50	150	0.2	UF	SC-1R-W111	48	d
ATWS 473	Summit	102.9	102.9	50	100	0.1	UF			i
ATWS 475	Summit	103.1	103.1	50	100	0.1	UF			i
ATWS 476	Summit	104.1	104.1	50	150	0.2	UF			i
ATWS 477	Summit	104.2	104.3	50	150	0.2	AG			i
ATWS 478	Summit	104.5	104.5	50	150	0.2	AG	SC-1G-S151	47	h
ATWS 479	Summit	104.6	104.6	50	100	0.1	UF			i
ATWS 480	Summit	104.6	104.6	50	150	0.2	OL, UF			i
ATWS 481	Summit	104.8	104.8	50	150	0.2	RD, UF			a
ATWS 482	Summit	104.8	104.9	50	100	0.1	UF			h
ATWS 483	Summit	104.9	104.9	50	100	0.1	AG, UF	SC-1Q-S244	49	h
ATWS 484	Summit	105.0	105.1	40	617	0.6	AG, UF			b
ATWS 485	Richmondville	105.2	105.2	50	100	0.1	OL, UF			h, i
ATWS 486	Richmondville	105.3	105.3	50	90	0.1	OL, UF			h, i
ATWS 487	Richmondville	105.6	105.7	50	150	0.2	UF	SC-1G-W340	49	h

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 488	Richmondville	105.7	105.7	50	100	0.1	OL, UF	SC-1Q-W338	39	d
ATWS 489	Richmondville	105.7	105.8	50	120	0.1	UF	SC-1G-W339, SC-1L-W304	42, 44	d
ATWS 490	Richmondville	105.8	105.8	50	100	0.1	OL, UF	SC-1L-W303, SC-1L-S166C	46, 42	h
ATWS 491	Richmondville	106.0	106.0	50	100	0.1	UF			i
ATWS 492	Richmondville	106.1	106.2	40	465	0.4	UF			b
ATWS 493	Richmondville	106.2	106.4	40	828	0.8	UF	SC-1J-W385	47	b
ATWS 494	Richmondville	106.4	106.5	40	425	0.4	UF	SC-1J-S298	45	b
ATWS 495	Richmondville	106.7	106.7	50	150	0.2	UF			h, i
ATWS 496	Richmondville	106.9	107.0	50	250	0.3	OL			h, i, o
ATWS 497	Richmondville	107.1	107.2	50	188	0.2	UF	SC-1D-W295	48	h, i
ATWS 498	Richmondville	107.2	107.2	50	140	0.2	RD, UF	SC-1D-W295	47	d
ATWS 499	Richmondville	107.2	107.3	50	150	0.2	UF			d
ATWS 500	Richmondville	107.4	107.4	50	100	0.1	UF			i
ATWS 501	Richmondville	107.5	107.5	50	100	0.1	UF			i
ATWS 502	Richmondville	108.6	108.6	50	100	0.1	AG			i
ATWS 503	Richmondville	108.6	108.7	50	100	0.1	AG, UF			i
ATWS 504	Richmondville	108.7	108.8	40	316	0.3	AG			i
ATWS 505	Richmondville	108.8	108.9	40	491	0.5	AG, UF			b
ATWS 506	Richmondville	109.0	109.1	40	501	0.5	AG, UF			i
ATWS 507	Richmondville	109.2	109.2	40	100	0.1	AG	SC-1C-S278	32	i
ATWS 508	Richmondville	109.2	109.3	40	400	0.4	AG, RD	SC-1C-W370	46	d
ATWS 509	Richmondville	109.3	109.3	50	150	0.2	AG			d
ATWS 510	Richmondville	109.4	109.5	50	100	0.1	AG			i
ATWS 511	Richmondville	109.6	109.6	50	100	0.1	UF			i
ATWS 512	Cobleskill	110.0	110.1	50	150	0.2	RD, UF			d
ATWS 514	Cobleskill	110.2	110.2	50	100	0.1	UF			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Nominal[b] Dimensions (feet) Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 515	Cobleskill	110.2	110.3	50	100	0.1	UF	SC-1L-W308	49	h, i
ATWS 516	Cobleskill	110.3	110.3	50	100	0.1	OL, UF	SC-1L-W309	27	h, i
ATWS 517	Cobleskill	110.5	110.6	22	300	0.2	UF	SC-1C-S187	6	d
ATWS 518	Cobleskill	110.6	110.6	24	298	0.2	UF	SC-1C-W419, SC-1C-S331	3, 9	d
ATWS 519	Cobleskill	110.7	110.7	35	100	0.1	UF			h, i
ATWS 520	Cobleskill	110.8	110.8	36	100	0.1	UF	SC-1C-W418	39	h, i
ATWS 521	Cobleskill	111.4	111.4	50	150	0.2	AG			d
ATWS 522	Cobleskill	111.5	111.5	50	49	0.1	AG			d
ATWS 523	Cobleskill	111.7	111.7	50	100	0.1	OL, UF			i
ATWS 524	Cobleskill	111.9	111.9	50	100	0.1	UF			i
ATWS 525	Cobleskill	112.0	112.0	50	90	0.1	UF			i
ATWS 526	Middleburgh	112.1	112.1	50	100	0.1	UF			i
ATWS 527	Middleburgh	113.3	113.3	50	100	0.1	UF			i
ATWS 528	Middleburgh	113.6	113.6	50	100	0.1	AG			i
ATWS 529	Middleburgh	113.7	113.7	50	100	0.1	AG			i
ATWS 529A	Middleburgh	113.8	113.8	25	89	0.1	AG			m
ATWS 530	Middleburgh	113.8	113.8	50	57	0.1	AG			a
ATWS 531	Middleburgh	113.9	113.9	50	150	0.2	RD, UF			a
ATWS 532	Middleburgh	114.5	114.5	50	100	0.1	AG, UF			h
ATWS 533	Middleburgh	114.5	114.6	50	100	0.1	UF			h
ATWS 534	Middleburgh	114.6	114.7	50	100	0.1	AG	SC-1M-W058	12	i
ATWS 535	Middleburgh	114.8	114.8	50	100	0.1	AG			i
ATWS 536	Middleburgh	115.2	115.3	50	150	0.2	AG			d
ATWS 537	Middleburgh	115.3	115.3	50	150	0.2	AG			d
ATWS 538	Middleburgh	115.4	115.5	50	150	0.2	AG			i
ATWS 539	Middleburgh	115.5	115.6	50	150	0.2	UF			i

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 540	Schoharie	116.7	116.7	50	150	0.2	AG, OL			d
ATWS 541	Schoharie	116.7	116.8	40	325	0.3	AG			e
ATWS 542	Schoharie	116.9	116.9	70	100	0.2	AG			e
ATWS 543	Schoharie	117.3	117.3	50	150	0.2	AG			a
ATWS 544	Schoharie	117.3	117.4	50	150	0.1	OL			a
ATWS 545	Schoharie	117.4	117.4	50	100	0.1	OL			i
ATWS 546	Schoharie	117.6	117.6	50	100	0.1	AG, UF			i
ATWS 547	Schoharie	119.4	119.4	50	100	0.1	UF			i
ATWS 548	Schoharie	119.5	119.5	50	100	0.1	UF			i
ATWS 551	Schoharie	119.6	119.7	150	815	2.2	AG, OL, RD, PEM	SC-1L-W399, SC-1J-W398	0, 1	r
ATWS 549	Schoharie	119.6	119.6	50	150	0.2	OL, RE			a
ATWS 550	Schoharie	119.6	119.7	50	607	0.6	AG, OL, RE, UF			a, r
ATWS 552	Schoharie	119.8	119.9	150	425	1.7	AG			h,r
ATWS 552	Schoharie	119.8	199.9	100	100	1.7	AG			h,r
ATWS 553	Schoharie	119.9	119.9	38	159	0.1	AG			r
ATWS 554	Schoharie	120.0	120.0	50	65	0.1	ID, OL			i
ATWS 556	Schoharie	120.1	120.1	50	150	0.2	OL			d, i
ATWS 558	Schoharie	120.7	120.7	50	79	0.1	UF			i
ATWS 559	Schoharie	120.7	120.7	50	100	0.1	UF			i
ATWS 560	Schoharie	121.0	121.0	50	100	0.1	OL	SC-1G-W160	45	i
ATWS 561	Schoharie	121.1	121.1	50	100	0.1	OL, UF	SC-1G-W161	49	h
ATWS 562	Schoharie	121.3	121.3	50	150	0.2	OL			j
ATWS 563	Schoharie	121.3	121.3	50	145	0.1	OL			j
ATWS 564	Schoharie	121.4	121.4	50	150	0.2	OL			d

APPENDIX D (continued)
Extra Workspaces Associated with Construction of the Constitution Pipeline Project [a,f]

ATWS ID #	Township/ Town	Start Milepost	End Milepost	Nominal[b] Dimensions (feet) Width	Length	Area Affected[e] (acres)	Existing Land Use[c]	Wetland or Waterbody within 50 feet	Distance from Wetland or Waterbody	Justification[d]
ATWS 565	Schoharie	121.5	121.5	50	158	0.2	AG			d, e
ATWS 566	Schoharie	122.5	122.5	50	100	0.1	AG			h, i
ATWS 567	Schoharie	122.6	122.6	50	100	0.1	AG			h, i
ATWS 568	Schoharie	123.0	123.0	50	150	0.2	AG, UF			i
ATWS 569	Schoharie	123.2	123.2	50	150	0.2	AG, UF	SC-1G-W336	49	i
ATWS 570	Schoharie	123.4	123.5	25	150	0.1	AG			d
ATWS 571	Schoharie	123.5	123.5	50	150	0.2	AG, RE			d
ATWS 572	Schoharie	123.9	123.9	50	100	0.1	AG			h
ATWS 573	Wright	124.0	124.0	50	100	0.1	AG			h
ATWS 574	Wright	124.2	124.2	50	150	0.1	AG, UF			a
ATWS 575	Wright	124.2	124.3	50	150	0.2	AG, UF			a
		New York Pipeline Extra Workspaces Total				**87.9**				
				PROJECT TOTAL		**107.4**				

a Extra workspace (also known as additional temporary workspace) areas in bold are within 50 feet of a wetland or waterbody.

b Several extra workspace areas are irregularly shaped - dimensions of such areas are approximate, and the actual acreage affected may not match the nominal length x width

c AG = Agricultural; ID = Industrial; RE = Residential; RD = Roads; OL = Open Land (existing ROW, Open Field, Non-agriculture); PFO = Palustrine Forested Wetlands; PSS = Palustrine Scrub-Shrub Wetlands; PEM = Palustrine Emergent Wetlands; WB = Waterbody; UF = Upland Forest

d a = road crossing; b = side slope construction; c = steep slope construction; d = road bore; e = powerline crossing; f = railroad crossing; g = rock outcrop; h = waterbody crossing; i = wetland crossing; j = horizontal bends greater than 10%; k = swap working side/ crossover; l = utility crossover; m = top soil segregation, n or r = trenchless drill crossing, o = hydrotest station, p = spread break, q = dewatering site.

e Area shown is the actual area of the extra workspace shape, calculated using GIS software. Nominal length x width will only match this area if the extra workspace is a perfect rectangle. If the shape is not a perfect rectangle, the nominal length x width will only give approximate area of the shape.

f Areas where the temporary right-of-way would be greater than 75 feet and within a wetland, but do not include extra workspace are not included in this table.

APPENDIX E

Private Access Roads Associated with the Constitution Pipeline Project

APPENDIX E
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PENNSYLVANIA								
Susquehanna County								
PAR1	1.7	gravel placed on the new road, remainder is dirt	widening / tree removal / grading / graveling	AG, OL, RE, UF	3,318	4.3	1.2	Permanent access to the hill / bluff area east of Route 167 is needed for operational maintenance post construction. Access to this area via Route 167 encounters steep slopes and would require significant regrading and could potentially have long term erosion issues. Access to this area via Route 2015 would cross a large wetland complex, which Constitution is attempting to avoid along access roads, where practicable. Use of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR1a (ATV Trail)	2.9	dirt	tree removal / graveling	RD, UF	370	0.4	0.1	Access to the west side of the railroad for the trenchless crossing is needed during construction and for operational maintenance. Access to this area via Route 2015 would cross a large wetland complex, which Constitution is attempting to avoid along access roads, where practicable. Use of the existing road will not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR1C	<0.1	none	tree removal / grading	UF, AG, RD	805.9	1.6	1.6	Access to Turnpike Meter Station.
PAR1D	<0.1	none	tree removal/grading	UF	558.3	1.5	1.5	Access to Turnpike Meter Station.
TAR1A	2.8	none	tree removal/grading	UF	416.4	0.1	<0.1	Access to pipeline right-of-way.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR2A	3.3	none	tree removal/grading	UF, PSS	580.2	0.2	0.2	This access road is required for post construction maintenance and inspection of a main line valve. The proposed access road crosses one waterbody that will require a permanent culvert. There are currently two alternatives being evaluated, PAR2A and PAR2B. One of the alternatives will be removed after environmental surveys are complete.
PAR2B	3.3	none	tree removal/grading	UF	80.5	<0.1	<0.1	This access road is required for post construction maintenance and inspection of a main line valve. The proposed access road crosses one waterbody that will require a permanent culvert. There are currently two alternatives being evaluated, PAR2A and PAR2B. One of the alternatives will be removed after environmental surveys are complete.
PAR3	4.1	dirt	possible grading to widen road if needed / grading/ graveling	AG, RE	1,433	1.6	0.6	Need permanent access between Township Road 487 and Three Lakes Road for operational maintenance post construction. Access from the north would require crossing a wetland, which Constitution is attempting to avoid along access roads, where practicable. Access from the south would run along and cross areas of steep terrain, potentially causing erosion issues during operation. Use of the existing road for access would not result in impacts to wetlands or waterbodies.
PAR3A	4.5	Gravel / dirt	grading	RD	691.6	0.4	0.4	Access to pipeline right-of-way. This proposed access road is along an existing built=up access road.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR4	4.8	dirt	possible grading to widen road if needed / grading/ graveling	AG, RD, RE	1,152	1.3	0.5	Need permanent access between Township Road 487 and Three Lakes Road for operational maintenance post construction. Access from the north would require crossing wetlands, which Constitution is attempting to avoid along access roads, where practicable. Access from the south would run along and cross areas of steep terrain, potentially causing erosion and accessibility issues during operation. Use of the existing access road would not result in impacts to wetlands or waterbodies.
PAR5	5.2	dirt	culvert / tree removal / grading / gravel	AG, UF	434	0.6	0.2	Need permanent access between Twp-487 and Three Lakes Road for operational maintenance post construction. Access from PAR 4 to the south and from Plank Road to the north would cross areas of steep terrain, presenting potential erosion and accessibility issues long-term. Use of this existing access road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR6	7.3	dirt / none	culvert / tree removal / grading / gravel	OL, RD, UF	1,676	2.1	0.6	Need permanent access between Township Road 676 and Route 2061 for operational maintenance post construction. Access from Township Road 676 to the south would involve crossing Meylert Creek and active agricultural fields. Access from Route 2061 to the north traverses an agricultural field and steep terrain presenting potential erosion issues. Construction of this permanent access road will minimize impacts to active agriculture fields, Meylert Creek, and upland forest.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR7	9.5	gravel	existing BlueStone access road / grading	OL, RD, UF	1,600	2.1	1.0	Need permanent access to the Sutton Road Tie-in that connects to the Southwestern lateral pipeline at the Sutton Road M&R Station. The existing access road has recently been improved and use would not result in impacts on wetlands or waterbodies.
PAR7A	9.3	none	grading	AG, OL	493.9	0.1	0.1	Access to pipeline right-of-way.
TAR8	10.1	dirt	existing BlueStone access road / grading / graveling	OL, PFO, PSS, RD, WB, UF	1,021	0.7	<0.1	Needed for temporary access to the north side of Salt Lick Creek during construction. This is an existing access road that was used for construction of the Bluestone Pipeline. Use of this road will result in temporary wetland impacts to recently disturbed wetlands. The impacts will be minimized by installing temporary equipment mats overtop of the wetlands during construction. Impacts to wetlands, waterbodies and upland forest have been minimized through use of the existing access roadway. Constitution will implement its PA ECP when using this access road to further minimize impacts and reestablish the wetlands when construction is complete.
PAR10	12.2	dirt	removal of old barn / create road from barn to pipeline-grading gravel	OL, PEM, RD, UF	1,837	1.6	0.7	Need permanent access between PA-492 and Twp-629 for operational maintenance post construction. Access from PA-492 and Twp-629 would require crossing wetlands each time the pipeline is accessed. Use and extension of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR11	13.4	gravel	tree removal; / grading / this is a partial road	ID, RD, SG, UF	3,820	2.4	1.9	Need permanent access between Twp-629 and PA-1021 for operational maintenance post construction. Access from Twp-629 and PA-1021 would require crossing wetlands and / or waterbodies. Use of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR12	14.1	dirt	partial road will need tree removal / grading on east end / graveling	AG, OL, RD, SG, UF, WB	1,577	2.2	0.7	Need permanent access between Twp-629 and PA-1021 for operational maintenance post construction. Access from Twp-629 and PA-1021 would require crossing wetlands and / or waterbodies and areas of steep terrain, presenting potential erosion and accessibility issues. Use of this existing road would not result in impacts on wetlands or waterbodies, and minimizes impacts on upland forest.
PAR13	15.1	gravel / none	end of road will need tree clearing and grading	AG, OL,RD, UF	446	0.2	0.2	Need permanent access to MLV site and temporary access to a trenchless crossing site. Use of this existing road avoids crossing agricultural fields to the south and crossing several wetland / waterbody features to the north. Use of the existing access road would not result in impacts to wetlands or waterbodies and minimizes impacts on upland forest.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR14	16.3	gravel / dirt	tree removal / grading	AG, PEM, PFO, UF	2,637	3.0	1.0	Need access between PA-1019 and PA-92. Temporary access is necessary to access a trenchless crossing site to the southwest. Permanent access is needed for maintenance of the pipeline after construction because of steep terrain. Access from PA-1019 and PA-92 would require crossing wetlands and / or waterbodies that would result in more significant impacts than using an existing access road through previously disturbed wetlands. Impacts to wetlands, waterbodies and upland forest have been minimized through use of the existing roadway. Constitution will implement its PA ECP when using this access road to further minimize impacts.
PAR14A	16.5	Gravel / dirt	grading	UF, RD	6,157.2	3.4	3.4	Access to pipeline right-of-way
PAR15	17.8	gravel / dirt	tree removal / grading	OL, PFO, RD, UF, WB	3,729	3.9	1.1	Need access between PA-1013 and PA-171 to avoid steep terrain during construction and for operational maintenance post construction. Access from PA-1013 and PA-171 would require travel along very steep slopes with potential erosion issues. Use of the existing access road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR15a	21.0	dirt	tree removal / grading / may require some mats / graveling	UF	701	1.1	0.4	Need access between an UNT to Starrucca Creek (SU-1X-S289) and PA-1009 during construction and for operational maintenance of the pipeline after construction. This access road is needed to avoid steep terrain and multiple crossings of the Starrucca Creek. Use of this existing logging road minimizes impacts to upland forest.
PAR15B	18.8	none	grading	UF, OL, RD	241.1	0.1	0.1	Access to pipeline right-of-way.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR16	23.4	gravel / dirt	grading / graveling	AG, OL, UF, WB	2,202	1.0	0.6	Need permanent access between Rockwell Road and Pigpen Alley to avoid agricultural fields during operational maintenance of the pipeline. Terrain to the east is very steep. Use of this existing road would not result in impacts to wetlands or waterbodies and minimizes impacts to upland forest.
PAR18	24.5	dirt	Gravel-existing road	OL, RD, UF	324	0.4	0.2	Need access between Pigpen Alley and Vale Road for construction and for operational maintenance. The terrain is rough south of this access. Use of this existing road would not result in impacts to wetlands or waterbodies and minimizes impacts on upland forest.
TAR1	25.1	dirt	grading / graveling-existing Bluestone access road	PEM, PFO, UF, WB	241	0.2	<0.1	Need temporary access between Tower Drive and Vale Road for construction due to steep terrain northeast of the line, a beaver pond and a foreign pipeline crossing. This road was previously utilized by Bluestone Pipeline for construction of another pipeline. Use of this road will not require additional tree clearing. This road will temporarily impact previously disturbed wetlands; however, these impacts will be minimized by installing temporary construction equipment mats to prevent rutting. Impacts to wetlands, waterbodies and upland forest have been minimized through use of the existing roadway. Constitution will implement its PA ECP when using this access road to further minimize impacts.
			Susquehanna Subtotal		**38,543**	**36.5**	**18.3**	
			Pennsylvania Subtotal		**38,543**	**36.5**	**18.3**	

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
NEW YORK								
Broome County								
PAR19	26.2	dirt	some grading possible / graveling	RE	489	0.3	0.1	Need access between Tower Drive and Vale Road for construction and post construction operational maintenance due to steep terrain and saturated wetlands / waterbodies. Use of this existing road would not result in impacts to wetlands or waterbodies.
PAR20	26.7	none	grading / gravel / tree removal	RD, UF	74	0.1	<0.1	Need permanent access to the MLV site in this location. Access to the MLV site from Vale Road to the north would require a wetland crossing. Construction of this new access road will not impact wetlands or waterbodies. Impacts on upland forest have been minimized by siting the MLV site adjacent to the roadway; therefore, minimizing the length of the access road and amount of tree clearing need to reach the site.
PAR21	27.8	dirt	Adequate as is	RD, RE, UF, WB	2,018	1.1	0.8	Need permanent access between Laurel Lake Road and railroad for access to rough terrain to the north, and to avoid crossing the waterbody to the south during operational maintenance. Use of this existing road would not result in impacts to wetlands or waterbodies, and avoids impacts on upland forest.
PAR22	28.5	gravel	barrier fence / railroad ballast / existing BlueStone access road / grading	ID, RD, UF	4,726	1.3	1.1	Need access between Laurel Lake Road and the railroad for access to Hwy 17 and the Fly Creek crossing during construction and for operational maintenance post construction. Use of this existing road would not result in impacts to wetlands or waterbodies.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR27	33.8	dirt	grading / graveling	AG, WB	443	0.3	0.2	Need permanent access for operational maintenance, as there is no other access along Hwy 41. This access road will also help during construction for the Oquaga Creek crossing. Use of this existing road would not result in impacts to wetlands or waterbodies.
TAR27	33.8	Gravel / dirt	grading	RD, OL	488.8	0.3	<0.1	Access to pipeline right-of-way from State Route 41. This is a temporary access road that is located along an existing agricultural access road with an existing cross culvert.
PAR28	35.2	gravel / dirt	grading	OL, RD, RE	558	0.3	0.2	Need access between Shaver Hill Road and CR-241 during construction due to workspace limitations associated with nearby wetland areas. Permanent access is needed for operational maintenance post construction to minimize wetland crossings. Use of this existing access road would not result in impacts to wetlands or waterbodies.
PAR29	36.1	dirt	graveling-existing road	AG, RD, UF	598	0.4	0.2	Need access between CR-241 and Clark Road during construction because of the limited workspace associated with nearby wetlands and for access to the Clark Road bore. Permanent access is needed for operational maintenance post construction to minimize wetland crossings. Use of this existing access road would not result in impacts to wetlands or waterbodies.
PAR31	40.7	gravel	Adequate as is	AG, OL, RD, RE, UF, WB	176	0.1	0.1	Need access between two road bore crossings under O'brien Road during construction. Access to the pipeline at either crossing locations would result in wetland impacts. Permanent access is needed for operational maintenance post construction to minimize wetland crossings. Use of this existing road would not result in impacts to wetlands or waterbodies.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR31A	40.9	none	grading	RD, OL	200	0.1	0.1	Access to pipeline right-of-way from O'Brian Road.
PAR32	41.2	dirt	grading / graveling	RD, UF	106	0.1	0.1	Need permanent access to the MLV site. Access from O'brien Road from the north or south would require crossing wetlands and waterbodies. Use of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts to upland forest area.
			Broome County Subtotal		**9,877**	**4.4**	**2.9**	
Chenango County								
PAR33	43.6	gravel	grading	AG, OL, RD	379	0.3	0.2	Need access between Oxbow Road and Edwards Lane during construction and for operational maintenance. This will provide access between wetland areas. Use of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts to upland forest.
PAR34	44.2	dirt	tree removal / culvert / grading / graveling	PSS, RD, RE, UF	1,725	0.9	0.5	Need access between Edwards Lane and Melondy Hill Road during construction and for operational maintenance. Use of this access road minimizes crossings of the wetland / waterbody complex to the south of Edwards Lane and of the wetland / waterbody complex to the south of Melondy Hill Road. Use of Edwards Lane as a PAR was assessed and not chosen because it is a residential subdivision road. Impacts on wetlands and waterbodies and upland forest have been minimized through use of the existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.
			Chenango County Subtotal		**2,104**	**1.2**	**0.7**	

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
Delaware County								
PAR36	52.1	dirt	brush removal and grading at end of road / graveling	OL, PEM, RD, RE, SG, UF, WB	2,435	1.4	0.8	Need permanent access to MLV site and rough terrain to the northeast during construction and for operational maintenance of the pipeline. Impacts on wetlands and waterbodies and upland forest have been minimized through use of the existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.
PAR36a	54.1	dirt	grading / graveling-bridging of creek	OL, UF	3,075	2.1	1.0	Need temporary access between Pine Hill Road and Parker Hollow Road for access to a trenchless crossing location during construction. This access route was chosen to avoid an archaeological site and large wetland area to the west while utilizing portions of existing farm and utility right-of-way access roads. Use of this existing road will result in temporary impacts to wetlands and waterbodies. The wetlands will be covered with temporary equipment mats and the waterbody will be crossed using a temporary bridge equipment crossing. Constitution will implement its NY ECP when using this access road to further minimize impacts.
TAR36A	54.1	Gravel, dirt	grading / graveling	AG, OL, RD, UF	3178.8	0.9	<0.1	This access road is required to access a proposed trenchless crossing site during construction. This is a temporary access road that is located along an existing utility line access road. The identified waterbodies and wetlands will be crossed with temporary equipment bridges and mats, which will be removed once construction is complete.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR36b	54.3	dirt	grading / graveling-bridging of creek	OL, RD, UF	1,977	1.3	0.7	Need temporary access between Pine Hill Road and Parker Hollow Road for access to a trenchless crossing location during construction. This access route will have temporary wetland impacts associated with it. The impacts will be minimized by installing temporary equipment mats overtop of them to avoid rutting. Constitution will implement its NY ECP when using this access road to further minimize impacts.
TAR36B	54.4	dirt	grading / gravelling	UF, OL	2,968.3	1.6	<0.1	This access road is required to access a proposed trenchless crossing site during construction. This is a temporary access road that is located along an existing utility line access road. The identified wetlands will be crossed with temporary equipment mats, which will be removed once construction is complete.
TAR36C	54.9	none	grading / tree removal	UF, OL	3,629.6	2.0	<0.1	Access to pipeline right-of-way.
PAR36D	55.4	none	grading	OL	316.6	0.1	0.1	Access to pipeline right-of-way from Parker Hollow Road.
PAR37	58.9	dirt	some tree trimming for low limbs	AG, OL, PEM, RD, UF, WB	4,049	2.0	1.2	Need access between Crane Hill Road and CR-357 to get through wetland areas with limited workspace during construction and for operational maintenance to minimize wetland crossings. Use of this existing road would not result in impacts to wetlands or waterbodies, and minimizes impacts on upland forest.
PAR38	60.1	dirt	brush removal / grading / graveling	AG, OL, PEM, RD	1,438	0.9	0.5	Need access between Crane Hill Road and CR-357 during construction and operational maintenance to access rough terrain to the west and east. Access from Crane Hill Road and CR-357 would require multiple wetland crossings. Use of this existing road would not result in impacts to wetlands or waterbodies.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR39	62.6	dirt	tree removal / grading / widening / graveling	AG, OL, RD, RE, UF	1,985	1.6	0.6	Need access between Patent Line Road and Bissell Road to access steep terrain during construction and for operational maintenance. Use of this existing road minimizes impacts to wetlands and waterbodies and upland forest. This road provides access between wetland areas, rather than through them, thereby minimizing impacts.
PAR40	63.5	dirt	tree removal at the beginning of road for approx. 800 feet	AG, PFO, UF	2,050	1.0	0.7	Need access between Patent Line Road and Bissell Road to access steep terrain during construction and for operational maintenance post construction. Impacts to wetlands, waterbodies and forest areas have been minimized through the use of an existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.
PAR41	65.9	dirt	grading / culvert / graveling	AG, RD, UF	668	0.3	0.2	Need access between Bissell Road and Otego Road during construction and for operational maintenance post construction. Use of this existing road minimizes impacts to active agricultural fields. There will be no wetland or waterbody impacts associated with this road.
PAR42	66.8	none	grading / brush removal for widening possible / graveling	OL	193	0.1	0.1	Need permanent access to MLV site. This new road is not anticipated to disturb any wetlands or waterbodies or require tree clearing based on desktop assessment (this is a no access parcel). Impacts to potentially present environmental features will be minimized by siting the MLV site adjacent to the roadway to minimize the length of the access road.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR43[e]	68.3	dirt	grading / graveling / culvert-this is existing road	OL, PEM, UF	2,480	1.4	0.8	Need access between Stewart Road and Chamberlain Hill Road to access steep terrain during construction and for operational maintenance. Use of this existing road will minimize crossing of steep slopes and reduce potential long-term erosion issues. Impacts to wetlands, waterbodies and forested areas have been minimized through use of the existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.
PAR44	69.8	gravel	some widening / grading / existing road	AG, OL, RD, UF, WB	3,236	1.3	0.8	Need access between Chamberlain Hill Road and Rich Road to minimize crossings of active agricultural fields during construction and during operational maintenance post construction. Use of this existing roadway avoids impacts to wetlands, waterbodies, and minimizes impacts to upland forest. Constitution will implement its NY ECP when using this access road to further minimize impacts.
PAR45	70.5	dirt	existing road-needs no modification	AG, OL, PEM, RD, UF, WB	4,809	1.9	1.2	Need access between Chamberlain Hill Road and Rich Road to minimize crossings of agricultural fields during construction during operational maintenance. Impacts to wetlands, waterbodies, and upland forest have been minimized through use of the existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR46[d]	72.8	dirt / none	grading / tree removal for widening / culvert / graveling-silt fence along pond bank	RD, RE, UF, WB	4,512	4.1	2.5	Need access between CR-28 and Grange Hall Road to access steep terrain during construction and for operational maintenance. This also provides access to the pipeline between two perennial stream crossings, therefore minimizing crossings of these streams. Constitution will minimize impacts on wetlands and waterbodies and forested areas through implementation of its NY ECP during construction and operation. This access road is currently being designed.
PAR47	73.7	dirt	culvert / tree removal / grading / graveling	OL, UF	1,982	1.2	0.6	Need access between Grange Hall Road and Swart Hollow Road to minimize crossings through an agricultural field and wetland resources during construction and to avoid crossing these areas during operational maintenance. Use of this existing road is not anticipated to disturb any wetlands or waterbodies and minimizes tree clearing based on desktop analysis (this road is located on a no access parcel).
PAR48	76.8	existing / none	tree and brush removal / grading / culvert / graveling	AG, RD, UF	1,013	0.6	0.3	Need access between Coe Hill Road and Prosser Hollow Road to access steep terrain during construction and for operational maintenance post construction. Extension of this existing road minimizes tree clearing and is not anticipated to disturb any wetlands or waterbodies based on desktop analysis (this road is to be surveyed).
PAR48A	80.5	dirt	grading	UF	146.5	<0.1	<0.1	Access to pipeline right-of-way from Pumpkin Hollow Road
PAR48B	76.9	dirt	brush removal / grading	UF, OL	1,058.9	0.6	0.6	Access to pipeline right-of-way from Prosser Hollow Road.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR54	84.3	none	tree removal / culvert / grading / graveling	AG, OL, PFO, UF, WB	2,201	1.1	0.7	Need access between Taylor Road and Brick House Hill Road to minimize crossings of active agricultural fields during construction and to avoid crossing the fields during operational maintenance. Constitution will minimize impacts on wetlands and waterbodies and forested areas through implementation of its NY ECP during construction of this new road.
TAR5	87.7	none	tree removal / grading / culvert / graveling	AG, RD, UF	1,339	0.8	<0.1	Need temporary access between Old Route 96 and CR-23 to access steep terrain, and to minimize crossings of wetlands and waterbodies during construction. This road is also needed to access a trenchless crossing site during construction. Construction of this temporary road avoids impacts to wetlands and waterbodies. Impacts to forested area will be temporary and the area will be restored and allowed to revert to pre-construction vegetation cover types once construction is complete. Constitution will implements its NY ECP during construction of this temporary access road.
PAR56	89.3	dirt	grading / graveling-existing road	AG, RD	1,310	0.9	0.4	Need access between Parker Schoolhouse Road and Quaker Hill Road to minimize crossings of agricultural fields during construction and to avoid crossing the fields during operational maintenance post construction. Use of this existing road avoids impacts to wetlands and waterbodies and minimizes impacts to upland forest.
PAR56A	94.2	none	tree removal / grading	UF, RD, OL	1,674.1	0.9	0.9	Access to pipeline right-of-way from Fuller District Road.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
TAR4	92.7	dirt	grading / culvert / graveling / existing road-tree in middle of extra workspace to be fenced off, was planted by landowner when married 30 years ago	OL, RD	490	0.3	<0.1	Need temporary access between Titus Lake Road and Wood Chuck Run during construction to access temporary workspace associated with a construction spread break and to access of steep terrain. Construction of this new road avoids impacts to wetlands and waterbodies. Impacts to forested areas will be temporary and the area will be restored and allowed to revegetate post construction. Constitution will implements its NY ECP during construction of this temporary access road.
			Delaware County Subtotal		**54,215**	**30.4**	**14.7**	
Schoharie County								
PAR59	95.1	none	grading / culvert / tree removal	AG, RD	245	0.2	0.1	Need permanent access to MLV site. Use of this existing road will not result in impacts to wetlands or waterbodies. Impacts to upland forest have been minimized by siting the MLV site adjacent to the roadway in existing field.
PAR60	96.0	existing / none	tree and brush removal / grading / culvert / graveling / widening	RD, UF	2,224	1.5	0.7	Need access between Clapper Hollow Road and Stannard Road to access steep terrain and wetland / waterbody areas during construction and for operational maintenance post construction. Use of this access road minimizes crossings of the steep slopes and wetlands present along the right-of-way in this area. Extension of this existing access road avoids impacts to wetlands and waterbodies and minimizes impacts to upland forest.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR63	99.9	existing / none	tree and brush removal / grading / graveling	UF	544	0.5	0.2	Need access between Arabia Road and CR-10 to minimize crossing active agricultural fields during construction and during operational maintenance post construction. Use of this existing access road will avoid impacts to wetlands and waterbodies and minimizes impacts to upland forest.
TAR2	101.5	none	grading / culvert / graveling	OL	178	0.1	<0.1	Need temporary access to a Direct Pipe© entry pit. Construction of this temporary road avoids impacts to wetlands and waterbodies. Tree removal has been minimized by siting this access road in open land. Impacts will be temporary because the area will be restored and allowed to revert to preconstruction conditions. Constitution will implement its NY ECP during construction of this temporary access road.
PAR66	103.4	existing / none	tree and brush removal / grading / graveling	RD, SG, UF, WB	3,181	1.7	1.0	Need access between Sawyer Hollow Road and Decker Road to access rough terrain during construction and for operational maintenance. Use of this access road will minimize travel across the steep terrain, and minimizes crossing wetlands located to the north and south. Use of the existing road will avoid impacts to wetlands and waterbodies, and minimizes impacts to upland forest.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR68	106.5	existing	grading / brush removal / graveling	UF	382	0.2	0.1	Need access between Lape Road and Cross Hill Road to access steep terrain and to access area between several stream crossings during construction and for operational maintenance post construction. Use of this access road will minimize crossing streams to the north and south for maintenance and potential erosion and sedimentation to these streams. Constitution will minimize impacts to wetlands, waterbodies, and forested areas through implementation of its NY ECP during construction of this new road.
PAR71	117.1	none	grading / culvert / graveling	AG,OL, RD, RE	1,085	1.0	0.3	Need access between Schoharie Hill Road and Terrace Mountain Road. Construction of this new road is not anticipated to impact wetlands and waterbodies based on desktop analysis (this is a no access parcel). Impacts to forested area are avoided by locating the access road in open field.
PAR73	117.9	dirt / none	grading / tree removal / graveling	AG, OL, RD, UF	2,102	1.4	0.7	Need access between Terrace Mountain Road and Smith Road to access steep terrain to the east and to minimize crossing agricultural fields during construction and for operational maintenance. Use of this existing access road avoids impacts to wetlands and waterbodies and minimizes impacts to upland forest.
PAR74	119.6	none	tree removal / culvert / grading / graveling	AG, RD	144	0.1	0.1	Need permanent access to MLV site and to access a Direct Pipe© entry / exit pit during construction. Construction of this new access road will avoid impacts to wetlands and waterbodies. Impacts to forested area have been minimized by siting the access road in existing open field adjacent to the roadway.

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification
PAR74A	120.3	none	grading / gravelling	OL, WL	1,130.6	0.6	0.6	Access to pipeline right-of-way from Route 30A. The proposed access road has been designed to avoid impacts to the adjacent waterbody.
PAR74C	120.0	paved	none	RD	1,761.9	0.5	0.5	Access to pipeline right-of-way.
PAR76	124.6	Paved / dirt	grading	RD, AG	340.9	0.4	0.4	Access to Westfall Meter Station from Westfall Road.
Schoharie County Subtotal					**13,318**	**8.2**	**4.7**	
Otsego County								
PAR43[e]	68.3	dirt	grading / graveling / culvert	RD	0	<0.1	<0.1	Need access between Stewart Road and Chamberlain Hill Road to access steep terrain during construction and for operational maintenance. Use of this existing road will minimize crossing of steep slopes and reduce potential long-term erosion issues. Impacts to wetlands, waterbodies and forested areas have been minimized through use of the existing roadway. Constitution will implement its NY ECP when using this access road to further minimize impacts.
			Otsego County Subtotal		**0**	**<0.1**	**<0.1**	
			New York Subtotal		**79,514**	**44.2**	**23.0**	
			Project Total		**118,057**	**80.7**	**41.3**	

APPENDIX E (continued)
Private Access Roads Associated with the Constitution Pipeline Project

Access Road ID	Milepost[a]	Existing Road Type	Modification Required / New	Existing Land Use[b]	Length (feet)	Affected Area (Construction) (acres)[c]	Affected Area (Operation) (acres)	Constitution's Justification

[a] Milepost indicates the point at which the access road connects with the pipeline right-of-way.

[b] AG (Agricultural); ID (Industrial); RE (Residential); RD (Roads); OL (Open Land [existing right-of-way, Open Field, Non-Agriculture]; WL (Wetlands [palustrine forested, scrub-shrub, and emergent]); (UF) Upland Forest; SG (Sand and Gravel); PFO (Palustrine Forested Wetland); PSS (Palustrine scrub-shrub wetland); PEM (Palustrine emergent wetland); WB (Waterbody).

[c] Temporary access roads will be restored to pre-construction land use and will not result in permanent land impacts or land use modification.

[d] PAR46 is still being designed. Therefore a width of 40 feet has been used for construction impact calculations and a width of 24 feet has been used for operations impact calculations.

[e] PAR43 has impacts in both Delaware County and Otsego County, but the centerline only crosses through Delaware County.

TAR - Temporary Access Road

PAR - Permanent Access Road

APPENDIX F

Roadways and Railroads Crossed by the Constitution Pipeline Project

APPENDIX F-1

Roadways Crossed by the Constitution Pipeline Project

APPENDIX F – ROADWAYS AND RAILROADS CROSSED BY THE CONSTITUTION PIPELINE PROJECT

APPENDIX F-1
Roadways Crossed by the Constitution Pipeline Project

Town/ Township	County	Milepost	Road Name	Public or Private	Crossing Method
Brooklyn	Susquehanna	0.5	Polander Road / Catlin Road / T-538	Public	Conventional Bore
Brooklyn	Susquehanna	1.2	State Route 167	Public	Conventional Bore
Brooklyn	Susquehanna	2.4	State Route 2015/North Weston Road	Public	Open cut
Brooklyn	Susquehanna	2.9	PAR-1A (ATV Trail)	Private	Open cut
Brooklyn	Susquehanna	2.9	State Route 2032/Depot Road	Public	Conventional Bore
Harford	Susquehanna	3.0	US Highway 11	Public	Conventional Bore
Harford	Susquehanna	3.1	Plank Road	Public	Conventional Bore
Harford	Susquehanna	3.3	White Road	Public	Conventional Bore
New Milford	Susquehanna	4.6	Southwestern Entrance Road	Private	Open cut
New Milford	Susquehanna	5.5	Three Lakes Road / T-554	Public	Conventional Bore
New Milford	Susquehanna	6.1	Alexander Road	Public	Conventional Bore
New Milford	Susquehanna	6.7	Washburn Road / T-676	Public	Open cut
New Milford	Susquehanna	7.9	State Route 2061 / Tingley Lake Road	Public	Conventional Bore
New Milford	Susquehanna	8.4	State Route 2063 / State Highway 848 / Hartford Road	Public	Conventional Bore
New Milford	Susquehanna	9.2	Sutton Road / T611	Public	Conventional Bore
New Milford	Susquehanna	9.8	I- 81	Public	Conventional Bore
New Milford	Susquehanna	9.8	I- 81	Public	Conventional Bore
New Milford	Susquehanna	10.0	State Route 492	Public	Conventional Bore
New Milford	Susquehanna	10.9	Bluestone Gravel Access Road	Private	Open cut
New Milford	Susquehanna	12.8	Lewis Corners Road	Public	Conventional Bore
Jackson	Susquehanna	14.4	State Route 1021 / Brushville Road	Public	Conventional Bore
Jackson	Susquehanna	14.7	Walkers Road / Ours Road	Public	Conventional Bore
Jackson	Susquehanna	15.6	State Road 1019 / Lakeview Road	Public	Conventional Bore
Oakland	Susquehanna	16.8	State Route 92	Public	Conventional Bore
Harmony	Susquehanna	17.1	State Route 1013 / Turnpike Street	Public	Conventional Bore
Harmony	Susquehanna	18.9	State Route 171 / Bellmont Turnpike	Public	Conventional Bore
Harmony	Susquehanna	21.5	State Route 1009 / Starrucca Creek Road	Public	Conventional Bore
Harmony	Susquehanna	21.7	Rockwell Road	Private	Conventional Bore
Harmony	Susquehanna	22.6	Rockwell Road	Private	Conventional Bore
Sanford	Broome	26.8	Vale Road	Public	Open cut
Sanford	Broome	27.2	Laurel Lake Road	Public	Conventional Bore
Sanford	Broome	28.7	State Highway 17 (East Bound)	Public	Conventional Bore
Sanford	Broome	28.8	State Highway 17 (West Bound)	Public	Conventional Bore
Sanford	Broome	28.9	County Road 28/Old Route 17	Public	Conventional Bore
Sanford	Broome	29.2	Tennent Road	Private	Open cut
Sanford	Broome	29.9	School House Road	Public	Conventional Bore
Sanford	Broome	30.4	Gill Road	Public	Conventional Bore
Sanford	Broome	30.9	Farnham Road	Public	Conventional Bore

APPENDIX F-1
Roadways Crossed by the Constitution Pipeline Project

Town/ Township	County	Milepost	Road Name	Public or Private	Crossing Method
Sanford	Broome	31.8	Blinco Road	Public	Conventional Bore
Sanford	Broome	32.7	State Highway 41	Public	Conventional Bore
Sanford	Broome	34.5	Shaver Hill Road	Public	Conventional Bore
Sanford	Broome	34.6	Loomis Hill Road	Public	Conventional Bore
Sanford	Broome	35.7	North Sanford Road/County Road 241	Public	Conventional Bore
Sanford	Broome	36.3	Clark Road	Public	Conventional Bore
Sanford	Broome	37.3	Clark Road	Public	Conventional Bore
Sanford	Broome	38.7	Baker Road	Public	Conventional Bore
Sanford	Broome	39.2	Hawkins Road	Public	Conventional Bore
Sanford	Broome	40.3	Walker Road	Public	Conventional Bore
Sanford	Broome	40.5	O'brien Road	Public	Conventional Bore
Sanford	Broome	40.7	PAR 31	Private	Open cut
Sanford	Broome	40.8	O'brien Road	Public	Conventional Bore
Sanford	Broome	41.8	O'brien Road	Public	Conventional Bore
Sanford	Broome	42.0	Perry Road	Public	Conventional Bore
Afton	Chenango	42.8	Ives Hill Road	Public	Conventional Bore
Afton	Chenango	43.1	Oxbow Road	Public	Conventional Bore
Afton	Chenango	44.0	Edwards Lane	Public	Open cut
Afton	Chenango	45.3	Melondy Hill Road	Public	Conventional Bore
Afton	Chenango	46.4	Lesuer Road	Public	Open cut
Afton	Chenango	47.3	Corbin Road	Public	Conventional Bore
Bainbridge	Chenango	48.0	State Highway 206	Public	Conventional Bore
Bainbridge	Chenango	50.1	Neff Hill Road/Finger Lakes Trail	Public	Conventional Bore
Masonville	Delaware	51.0	Thorpe Hill Road	Public	Conventional Bore
Masonville	Delaware	51.5	State Highway 8	Public	Conventional Bore
Masonville	Delaware	51.6	County Highway 4	Public	Conventional Bore
Masonville	Delaware	52.1	Town Road	Private	Open cut
Sidney	Delaware	52.5	Peck Road	Private	Open cut
Sidney	Delaware	53.6	Pine Hill Road	Public	Conventional Bore
Sidney	Delaware	54.3	Reservoir Road	Private	Open cut
Sidney	Delaware	55.7	Parker Hollow Road	Public	Conventional Bore
Sidney	Delaware	56.0	County Road Thirteen	Public	Conventional Bore
Sidney	Delaware	56.5	County Highway 23	Public	Conventional Bore
Sidney	Delaware	57.8	Crane Hill Road	Public	Conventional Bore
Sidney	Delaware	60.6	State Highway 357	Public	Conventional Bore
Sidney	Delaware	61.2	County Road 44	Public	Conventional Bore
Sidney	Delaware	61.6	Patent Line Road	Public	Conventional Bore
Franklin	Delaware	65.2	Bissell Road	Public	Conventional Bore
Franklin	Delaware	66.0	Otego Road	Public	Conventional Bore

APPENDIX F-1
Roadways Crossed by the Constitution Pipeline Project

Town/ Township	County	Milepost	Road Name	Public or Private	Crossing Method
Franklin	Delaware	66.8	Stewart Road	Private	Conventional Bore
Franklin	Delaware	68.9	Chamberlain Hill Road	Public	Conventional Bore
Franklin	Delaware	71.0	Rich Road	Public	Conventional Bore
Franklin	Delaware	71.5	State Highway 28	Public	Conventional Bore
Franklin	Delaware	73.3	Grange Hall Road	Public	Conventional Bore
Davenport	Delaware	74.5	Swart Hollow Road	Public	Conventional Bore
Davenport	Delaware	75.3	White Hill Road	Public	Conventional Bore
Davenport	Delaware	75.5	Tower Drive	Public	Open cut
Davenport	Delaware	75.9	White Hill Road	Public	Conventional Bore
Davenport	Delaware	76.5	Coe Hill Road	Public	Conventional Bore
Davenport	Delaware	77.4	Prosser Hollow Road	Public	Conventional Bore
Davenport	Delaware	77.7	Prosser Hollow Road	Public	Conventional Bore
Davenport	Delaware	78.2	McDougal Road	Public	Conventional Bore
Davenport	Delaware	79.3	Rathbun Hill Road	Public	Conventional Bore
Davenport	Delaware	80.4	Pumpkin Hollow Road	Public	Conventional Bore
Davenport	Delaware	80.9	Jamesway Road	Public	Conventional Bore
Davenport	Delaware	80.9	Lew Lane	Public	Conventional Bore
Davenport	Delaware	81.8	County Route 10	Public	Conventional Bore
Davenport	Delaware	82.8	Taylor Road	Public	Conventional Bore
Davenport	Delaware	84.7	Brick House Hill Road	Public	Conventional Bore
Davenport	Delaware	85.2	Stewart Road	Public	Conventional Bore
Davenport	Delaware	86.6	McIlwain Road/Old Route 96 Road	Public	Conventional Bore
Davenport	Delaware	87.9	State Highway 23	Public	Direct Pipe
Davenport	Delaware	88.4	Parker School House Road	Public	Conventional Bore
Harpersfield	Delaware	90.2	Quaker Hill Road	Public	Open cut
Harpersfield	Delaware	91.7	South Worcester Hill Road	Public	Conventional Bore
Jefferson	Schoharie	93.9	Wood Chuck Run Road	Private	Open cut
Summit	Schoharie	94.6	Willow Springs Road	Public	Open cut
Summit	Schoharie	95.0	Clapper Hollow Road	Public	Conventional Bore
Jefferson	Schoharie	96.4	Stannard Road	Public	Open cut
Jefferson	Schoharie	97.5	County Highway 64/Meade Road	Public	Conventional Bore
Jefferson	Schoharie	97.7	Arabia Road	Public	Open cut
Summit	Schoharie	99.2	Arabia Road	Public	Conventional Bore
Summit	Schoharie	100.3	Coyote Drive	Private	Open cut
Summit	Schoharie	100.8	State Highway 10	Public	Conventional Bore
Summit	Schoharie	101.4	Baldwin Road	Public	Direct Pipe
Summit	Schoharie	101.7	Wharton Hollow Road/Route 16	Public	Conventional Bore
Summit	Schoharie	101.7	Creamery Road	Public	Conventional Bore
Summit	Schoharie	102.6	Sawyer Hollow Road / County Road 20	Public	Conventional Bore

APPENDIX F-1
Roadways Crossed by the Constitution Pipeline Project

Town/ Township	County	Milepost	Road Name	Public or Private	Crossing Method
Summit	Schoharie	104.8	Decker Road	Public	Open cut
Richmondville	Schoharie	105.7	Lape Road	Public	Conventional Bore
Richmondville	Schoharie	107.2	Cross Hill Road	Public	Conventional Bore
Richmondville	Schoharie	109.3	Dodge Lodge Road	Public	Conventional Bore
Cobleskill	Schoharie	110.1	County Highway 4/W Fulton Road	Public	Conventional Bore
Cobleskill	Schoharie	110.6	Tower Road	Public	Conventional Bore
Cobleskill	Schoharie	111.5	Greenbush Hill Road	Public	Conventional Bore
Middleburgh	Schoharie	113.8	County Highway 41/Ecker Hollow Road	Public	Open cut
Middleburgh	Schoharie	115.3	State Highway 145	Public	Conventional Bore
Schoharie	Schoharie	116.7	County Highway 1A/Schoharie Hill Road	Public	Conventional Bore
Schoharie	Schoharie	117.3	Terrace Mountain Road	Public	Open cut
Schoharie	Schoharie	119.6	Smith Road	Public	Open cut
Schoharie	Schoharie	119.9	Holiday Way	Private	Open cut
Schoharie	Schoharie	120.1	State Highway 30A	Public	Conventional Bore
Schoharie	Schoharie	121.4	State Highway 30	Public	Conventional Bore
Schoharie	Schoharie	123.5	County Road 25/Barton Hill Road	Public	Conventional Bore
Wright	Schoharie	124.2	Westfall Road	Public	Open cut

APPENDIX F-2

Railroads Crossed by the Constitution Pipeline Project

APPENDIX F-2
Railroads Crossed by the Constitution Pipeline Project

Railroad	Active/ Abandoned	Town/ Township	County, State	Milepost	Crossing Method
Conrail (Consolidated Rail Corporation)	Active	Brooklyn Township	Susquehanna, PA	2.9	Conventional Bore
Conrail (Consolidated Rail Corporation)	Abandoned / D&H Rail-Trail	Harmony Township	Susquehanna, PA	21.5	Conventional Bore
Conrail (Consolidated Rail Corporation)	Active	Sanford	Broome, NY	28.5	Conventional Bore
O &W Railroad	Abandoned	Sidney	Delaware, NY	56.3	Conventional Bore

APPENDIX G

Steep Slopes and Side Slopes Crossed by the Constitution Pipeline Project

APPENDIX G-1

Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

APPENDIX G-1
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
Pennsylvania		
0.0	0.0	0.0
0.2	0.2	0.0
0.8	0.8	0.0
0.9	1.0	0.1
1.0	1.0	0.0
1.0	1.1	0.0
1.1	1.2	0.0
1.3	1.3	0.1
1.5	1.5	0.0
1.8	1.8	0.0
1.9	2.0	0.0
2.7	2.8	0.0
2.8	2.9	0.0
2.9	2.9	0.0
3.2	3.2	0.0
5.4	5.5	0.1
6.1	6.3	0.1
6.3	6.3	0.0
6.4	6.4	0.1
6.5	6.5	0.0
6.5	6.5	0.0
6.5	6.6	0.0
6.6	6.6	0.0
6.8	6.8	0.0
6.9	7.0	0.0
7.0	7.0	0.1
7.2	7.2	0.0
7.5	7.5	0.1
7.7	7.9	0.2
7.9	7.9	0.0
8.0	8.0	0.0
8.1	8.2	0.0
8.2	8.2	0.0
8.3	8.3	0.0

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
8.5	8.5	0.0
8.6	8.7	0.1
9.1	9.1	0.1
9.3	9.4	0.1
9.5	9.6	0.1
9.7	9.7	0.0
9.9	10.0	0.1
11.5	11.6	0.1
11.6	11.6	0.0
12.0	12.2	0.1
12.4	12.5	0.0
12.7	12.7	0.0
12.9	13.0	0.2
13.2	13.3	0.2
13.6	13.7	0.1
14.0	14.0	0.1
14.2	14.2	0.0
14.3	14.3	0.0
14.4	14.4	0.0
14.4	14.5	0.1
14.6	14.6	0.0
15.0	15.3	0.3
15.5	15.5	0.0
15.5	15.5	0.0
15.8	15.8	0.0
15.8	15.9	0.1
16.5	16.6	0.1
16.6	16.7	0.0
16.9	16.9	0.0
16.9	17.0	0.1
17.2	17.3	0.1
17.3	17.3	0.0
17.5	17.6	0.1
18.1	18.2	0.1
18.3	18.5	0.2
18.7	18.8	0.0

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
18.9	18.9	0.1
19.1	19.1	0.0
19.1	19.2	0.0
19.3	19.4	0.1
19.5	19.5	0.1
19.6	19.6	0.0
19.6	19.9	0.2
20.0	20.2	0.2
20.3	20.4	0.0
20.4	20.7	0.3
20.8	20.8	0.0
21.4	21.4	0.0
21.9	21.9	0.0
22.0	22.0	0.0
22.6	22.7	0.1
22.8	22.8	0.1
22.8	22.9	0.1
23.0	23.1	0.1
23.3	23.3	0.0
23.3	23.4	0.0
	Pennsylvania Subtotal	**5.4**
New York		
25.4	25.5	0.1
25.5	25.6	0.1
26.3	26.4	0.1
27.3	27.5	0.2
28.0	28.1	0.1
28.3	28.4	0.1
28.5	28.5	0.0
29.0	29.0	0.0
29.4	29.5	0.1
29.8	29.9	0.0
30.1	30.2	0.0
30.2	30.3	0.0
30.3	30.4	0.0
30.4	30.4	0.0

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
30.8	31.0	0.2
31.1	31.2	0.1
31.6	31.6	0.0
31.8	31.9	0.0
32.1	32.2	0.0
32.4	32.5	0.1
32.6	32.6	0.0
34.5	34.5	0.0
35.5	35.6	0.0
36.2	36.3	0.0
36.5	36.5	0.0
36.9	37.0	0.1
37.1	37.1	0.1
37.3	37.4	0.0
37.8	37.9	0.0
39.1	39.1	0.0
39.2	39.3	0.0
39.9	40.0	0.1
41.4	41.5	0.0
42.2	42.2	0.0
42.3	42.3	0.0
42.4	42.4	0.0
42.7	42.7	0.0
42.9	42.9	0.0
44.3	44.4	0.0
44.7	44.8	0.1
44.8	44.8	0.0
45.1	45.1	0.0
45.1	45.1	0.0
45.2	45.3	0.0
44.9	45.0	0.2
46.4	46.7	0.3
46.8	46.9	0.1
47.0	47.2	0.3
47.3	47.4	0.1
48.3	48.7	0.3

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
48.7	48.8	0.1
49.5	49.6	0.1
50.9	51.0	0.1
51.0	51.1	0.1
51.5	51.5	0.1
51.5	51.6	0.0
54.0	54.0	0.0
54.2	54.3	0.1
54.9	55.0	0.1
55.0	55.0	0.0
55.1	55.1	0.0
55.6	55.9	0.2
57.6	57.8	0.2
58.4	58.4	0.0
60.5	60.6	0.0
60.7	60.7	0.0
61.7	61.7	0.0
62.1	62.1	0.0
62.6	62.7	0.1
62.8	62.8	0.0
62.9	63.0	0.1
63.0	63.1	0.1
63.2	63.2	0.1
63.3	63.4	0.1
64.4	64.4	0.0
64.5	64.6	0.1
65.2	65.2	0.0
66.0	66.0	0.0
67.1	67.1	0.0
67.3	67.4	0.0
67.6	67.6	0.0
68.1	68.1	0.0
68.2	68.3	0.0
68.7	68.8	0.1
69.2	69.4	0.2
69.4	69.5	0.0

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
69.5	69.5	0.1
70.7	70.8	0.0
71.4	71.5	0.1
71.8	71.8	0.0
71.8	71.9	0.1
72.0	72.0	0.1
72.1	72.1	0.0
72.1	72.2	0.1
73.0	73.1	0.0
74.0	74.1	0.1
74.2	74.3	0.1
74.4	74.5	0.0
74.6	74.6	0.0
75.4	75.5	0.1
75.7	75.7	0.1
76.0	76.0	0.0
76.1	76.2	0.1
76.2	76.3	0.0
77.0	77.0	0.0
77.6	77.8	0.2
78.0	78.0	0.0
78.1	78.1	0.0
78.2	78.2	0.0
78.2	78.2	0.0
78.7	78.7	0.0
79.2	79.2	0.1
79.7	79.7	0.0
79.7	79.8	0.1
80.1	80.2	0.0
80.2	80.2	0.0
80.4	80.4	0.0
80.6	80.7	0.1
80.7	80.8	0.1
81.1	81.1	0.0
81.2	81.2	0.0
81.3	81.6	0.3

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
81.6	81.6	0.0
84.4	84.5	0.0
84.8	84.8	0.0
87.3	87.5	0.2
87.5	87.6	0.1
87.8	87.8	0.0
88.4	88.4	0.0
88.9	88.9	0.0
91.6	91.7	0.1
91.8	91.9	0.0
92.0	92.0	0.0
92.2	92.2	0.1
92.4	92.5	0.0
92.6	92.6	0.0
92.8	92.9	0.1
93.2	93.2	0.0
93.3	93.3	0.0
93.6	93.6	0.0
93.7	93.7	0.0
93.8	93.8	0.0
94.1	94.1	0.0
94.3	94.3	0.0
94.4	94.4	0.0
94.5	94.5	0.1
94.5	94.6	0.0
95.0	95.0	0.0
95.1	95.2	0.0
95.2	95.2	0.0
95.3	95.3	0.0
95.5	95.5	0.0
96.1	96.1	0.0
96.1	96.2	0.1
97.2	97.2	0.0
97.7	97.7	0.1
97.8	97.8	0.0
97.8	97.9	0.1

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
98.5	98.5	0.1
100.7	100.7	0.0
100.8	100.8	0.0
101.2	101.2	0.0
101.5	101.7	0.2
101.8	101.8	0.0
101.9	102.0	0.0
102.0	102.0	0.0
103.6	103.6	0.0
103.8	104.0	0.2
104.0	104.1	0.1
104.4	104.4	0.0
104.5	104.6	0.0
105.2	105.3	0.1
105.7	105.7	0.0
106.2	106.2	0.0
106.6	106.8	0.2
107.1	107.2	0.0
107.2	107.3	0.1
107.4	107.4	0.1
107.5	107.5	0.0
107.6	107.6	0.0
107.8	107.8	0.0
107.8	107.8	0.0
107.9	107.9	0.0
108.5	108.5	0.0
109.5	109.5	0.0
109.5	109.6	0.0
109.8	109.8	0.0
110.0	110.0	0.0
110.0	110.1	0.0
111.1	111.1	0.0
111.2	111.2	0.0
111.5	111.5	0.0
111.8	111.9	0.1
112.4	112.4	0.0

APPENDIX G-1 (continued)
Steep Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
112.9	113.3	0.4
113.3	113.4	0.0
113.9	114.2	0.3
114.4	114.4	0.0
114.5	114.5	0.0
114.5	114.5	0.0
114.7	114.7	0.0
115.4	115.5	0.1
115.7	115.7	0.1
115.8	115.8	0.0
115.9	115.9	0.0
116.0	116.0	0.0
116.0	116.0	0.0
116.1	116.1	0.0
116.3	116.5	0.2
116.6	116.7	0.0
117.2	117.3	0.1
118.3	118.4	0.0
118.6	118.6	0.0
118.8	118.8	0.0
118.9	118.9	0.0
119.2	119.2	0.0
119.3	119.3	0.1
119.4	119.4	0.0
119.4	119.4	0.0
119.7	119.7	0.0
120.1	120.1	0.0
121.7	121.8	0.1
122.8	122.8	0.0
New York Subtotal		**11.5**

Totals may not sum correctly due to rounding.

[a] The slope locations were identified by Constitution utilizing 2 foot contours that were created utilizing photogrametry survey data. The photogrametry survey was completed between July 2012 and April 2013. The locations indicate areas along the project where the centerline crosses slopes (runs perpendicular to the slope contours) between 15% and 30%.

APPENDIX G-2

Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project

APPENDIX G-2
Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
Pennsylvania		
1.0	1.0	0.0
1.2	1.3	0.1
2.8	2.9	0.1
2.9	2.9	0.0
2.9	3.0	0.1
3.0	3.0	0.0
3.1	3.2	0.2
3.8	3.9	0.0
6.3	6.3	0.0
6.6	6.6	0.0
6.6	6.6	0.0
7.5	7.6	0.0
7.9	7.9	0.0
7.9	7.9	0.0
8.0	8.0	0.0
8.0	8.1	0.1
8.2	8.3	0.1
8.4	8.5	0.0
8.5	8.5	0.0
9.7	9.8	0.0
10.0	10.0	0.0
11.6	11.6	0.0
13.1	13.1	0.0
13.5	13.5	0.0
14.2	14.2	0.0
15.9	16.1	0.1
16.6	16.6	0.0
17.0	17.2	0.2
17.4	17.4	0.0
18.1	18.1	0.0
18.1	18.1	0.0
18.5	18.7	0.2
18.8	18.8	0.0
18.8	18.9	0.1

APPENDIX G-2 (continued)
Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
18.9	19.1	0.1
19.1	19.1	0.1
19.4	19.5	0.1
19.6	19.6	0.1
20.2	20.2	0.1
20.4	20.4	0.0
21.4	21.5	0.0
21.5	21.5	0.0
21.5	21.5	0.0
21.5	21.5	0.0
21.6	21.6	0.0
21.8	21.9	0.0
21.9	22.0	0.1
22.7	22.8	0.0
22.8	22.8	0.0
22.9	23.0	0.0
23.3	23.3	0.0
	Pennsylvania Subtotal	**2.3**
New York		
26.1	26.1	0.0
27.2	27.2	0.1
28.1	28.1	0.1
28.5	28.5	0.0
28.8	28.8	0.0
30.3	30.3	0.1
30.3	30.3	0.0
30.7	30.7	0.0
30.8	30.8	0.0
31.1	31.1	0.0
31.6	31.7	0.2
32.2	32.3	0.1
32.3	32.3	0.0
32.5	32.6	0.1
32.6	32.7	0.1
34.7	34.7	0.0
36.3	36.3	0.0

APPENDIX G-2 (continued)
Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
36.5	36.5	0.0
37.3	37.3	0.0
37.3	37.3	0.0
39.2	39.2	0.0
42.3	42.4	0.0
42.4	42.4	0.0
44.8	44.9	0.0
43.3	43.3	0.0
55.0	55.1	0.0
55.9	55.9	0.1
56.4	56.4	0.0
56.5	56.5	0.0
56.8	56.8	0.0
56.9	57.0	0.1
57.8	57.8	0.0
60.6	60.6	0.0
60.7	60.7	0.0
60.9	60.9	0.0
61.7	61.8	0.1
62.7	62.8	0.0
62.9	62.9	0.0
68.7	68.7	0.0
69.4	69.4	0.0
72.0	72.0	0.0
72.1	72.1	0.1
74.1	74.2	0.1
75.4	75.4	0.0
76.2	76.2	0.0
77.0	77.0	0.0
77.1	77.2	0.1
79.8	79.8	0.0
80.5	80.5	0.0
80.7	80.7	0.0
81.2	81.3	0.0
81.6	81.6	0.0
81.6	81.6	0.0

APPENDIX G-2 (continued) Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project		
Start Milepost	**End Milepost**	**Distance (miles)[a]**
81.7	81.7	0.0
84.8	84.9	0.0
87.5	87.5	0.0
87.6	87.7	0.0
87.8	87.8	0.0
92.0	92.0	0.0
92.0	92.1	0.0
93.2	93.3	0.0
94.4	94.5	0.1
94.5	94.5	0.0
95.2	95.3	0.0
98.5	98.5	0.0
101.7	101.7	0.0
102.0	102.0	0.0
103.3	103.4	0.0
104.0	104.0	0.0
105.7	105.8	0.0
106.6	106.6	0.0
107.6	107.6	0.0
107.6	107.6	0.0
107.8	107.8	0.0
107.8	107.8	0.0
107.8	107.8	0.0
110.0	110.0	0.0
111.2	111.3	0.0
113.3	113.3	0.1
114.4	114.5	0.0
114.5	114.5	0.0
114.6	114.7	0.1
115.5	115.7	0.1
116.3	116.3	0.0
119.0	119.0	0.0
119.1	119.1	0.0
119.2	119.3	0.0
119.3	119.4	0.0
119.4	119.4	0.0

APPENDIX G-2 (continued)
Steep Slopes (> 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
120.8	120.8	0.0
	New York Subtotal	**2.9**

Totals may not sum correctly due to rounding.

[a] The slope locations were identified by Constitution utilizing 2 foot contours that were created utilizing photogrametry survey data. The photogrametry survey was completed between July 2012 and April 2013. The locations indicate areas along the project where the centerline crosses slopes (runs perpendicular to the slope contours) greater than 30%.

APPENDIX G-3

Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

APPENDIX G-3
Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
Pennsylvania		
3.2	3.3	0.1
3.4	3.7	0.3
4.0	4.2	0.2
5.0	5.0	0.1
5.1	5.2	0.2
5.2	5.3	0.0
6.2	6.2	0.0
7.1	7.2	0.1
7.2	7.3	0.1
8.9	8.9	0.0
9.4	9.5	0.1
10.1	10.1	0.0
10.1	10.4	0.3
11.2	11.3	0.1
11.5	11.6	0.1
11.6	11.7	0.0
11.8	11.8	0.0
12.2	12.3	0.1
12.9	13.0	0.1
13.4	13.4	0.0
13.8	13.8	0.0
13.9	14.0	0.1
14.2	14.2	0.0
14.4	14.4	0.0
15.5	15.6	0.1
19.0	19.1	0.1
19.2	19.3	0.1
20.7	21.2	0.5
21.8	21.8	0.0
22.2	22.3	0.1
22.0	22.1	0.1
22.2	22.3	0.1
23.5	24.0	0.5
24.1	24.1	0.0
	Pennsylvania Subtotal	**3.4**

APPENDIX G-3 (continued)
Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
New York		
26.9	27.0	0.0
28.9	29.0	0.1
29.3	29.3	0.0
29.3	29.4	0.1
29.9	30.1	0.2
31.3	31.3	0.0
32.0	32.1	0.1
34.6	34.6	0.0
34.7	34.8	0.1
34.8	34.9	0.1
35.1	35.2	0.1
35.3	35.5	0.2
35.7	35.8	0.0
36.3	36.3	0.1
36.8	36.8	0.1
37.0	37.1	0.1
37.8	37.8	0.0
38.1	38.1	0.0
38.5	38.6	0.0
38.9	38.9	0.0
39.0	39.0	0.0
39.1	39.1	0.0
39.2	39.2	0.0
39.4	39.5	0.1
39.6	39.6	0.0
39.7	39.8	0.1
40.3	40.4	0.1
45.2	45.2	0.0
46.4	46.4	0.0
52.0	52.0	0.0
54.0	54.0	0.0
54.7	54.7	0.0
55.0	55.0	0.0
55.7	57.7	2.0
56.2	56.2	0.0

APPENDIX G-3 (continued) Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project		
Start Milepost	**End Milepost**	**Distance (miles)[a]**
57.5	57.5	0.0
57.5	57.6	0.0
58.9	58.9	0.0
59.0	59.0	0.1
59.2	59.3	0.1
59.6	59.6	0.0
60.1	60.1	0.0
60.2	60.3	0.1
61.7	61.9	0.2
64.2	64.3	0.1
67.7	67.8	0.1
69.2	69.2	0.0
70.6	70.7	0.0
72.5	72.5	0.0
74.2	74.2	0.0
75.6	75.6	0.0
78.4	78.4	0.0
78.5	78.6	0.1
79.4	79.6	0.2
79.6	79.7	0.1
79.9	79.9	0.1
80.0	80.1	0.0
80.4	80.5	0.1
80.5	80.5	0.1
88.2	88.2	0.0
88.4	88.5	0.0
89.2	89.2	0.0
89.8	89.8	0.0
91.5	91.5	0.0
91.5	91.5	0.0
91.9	92.0	0.0
92.6	92.8	0.1
92.9	92.9	0.0
93.3	93.3	0.0
94.7	94.7	0.1
94.8	94.9	0.0

APPENDIX G-3 (continued)
Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
94.9	95.0	0.1
95.4	95.4	0.0
95.7	95.8	0.1
95.8	95.9	0.1
95.9	96.1	0.2
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
95.9	95.9	0.0
102.0	102.0	0.0
103.5	103.5	0.0
103.5	103.6	0.1
104.6	104.6	0.1
104.7	105.0	0.3
105.2	105.2	0.1
105.3	105.3	0.1
105.5	105.6	0.1
105.7	105.7	0.0
106.0	106.0	0.0
106.0	106.2	0.2
106.2	106.3	0.1
106.3	106.4	0.1
106.4	106.6	0.2
108.7	109.0	0.3
109.1	109.2	0.1
110.5	110.7	0.1
110.7	110.8	0.0
111.8	111.8	0.0
	New York Subtotal	**7.8**

APPENDIX G-3 (continued)
Steep Side Slopes (15% to 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]

Totals may not sum correctly due to rounding.

[a] The slope locations were identified by Constitution utilizing 2 foot contours that were created utilizing photogrametry survey data. The photogrametry survey was completed between July 2012 and April 2013. The locations indicate areas along the project where the centerline runs parallel to slope contours between 15% and 30%.

APPENDIX G-4

Steep Side Slopes (> 30%) Crossed by the Constitution Pipeline Project

APPENDIX G-4
Steep Side Slopes (> 30%) Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Distance (miles)[a]
Pennsylvania		
2.8	2.9	0.0
3.7	3.8	0.1
6.1	6.2	0.1
7.2	7.2	0.0
10.1	10.1	0.0
14.3	14.4	0.1
21.8	21.9	0.0
24.0	24.1	0.1
	Pennsylvania Subtotal	**0.4**
New York		
27.0	27.2	0.2
31.3	31.6	0.3
64.3	64.4	0.1
79.6	79.6	0.0
79.9	80.0	0.1
92.9	92.9	0.0
92.9	92.9	0.0
94.2	94.3	0.0
95.9	95.9	0.0
103.4	103.5	0.0
103.5	103.5	0.0
105.0	105.2	0.1
106.2	106.3	0.0
105.3	105.4	0.1
105.5	105.5	0.1
106.2	106.3	0.0
106.3	106.3	0.0
106.4	106.4	0.0
109.0	109.1	0.1
	New York Subtotal	**1.4**

Totals may not sum correctly due to rounding.

[a] The slope locations were identified by Constitution utilizing 2 foot contours that were created utilizing photogrametry survey data. The photogrametry survey was completed between July 2012 and April 2013. The locations indicate areas along the project where the centerline runs parallel to slope contours greater than 30%.

APPENDIX H

Status of Minor Route Variations

APPENDIX H-1

Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

APPENDIX H-1
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
PA-SU-002.000 PA-SU-002.000	0.5	Deviation was developed to follow a property boundary.	Adopted into the Primary Route.	Yes
ALT-T-UA-PA-SU-003.002 ALT-T-UA-PA-SU-004.001 ALT-T-PA-SU-005.000	2.3	Deviation was developed to avoid a structure.	Replaced by a new route deviation.	Yes. Landowner property ALT-T- UA-PA-SU-004.000 almost completely avoided by pipeline and workspace.
ALT-A-PA-SU-013.000 ALT-A-PA-SU-004.000	4.15	Deviation was developed to avoid a barn.	Replaced by a new route deviation.	Yes
ALT-A-PA-SU-019.000 ALT-A-UA-PA-SU-021.000 ALT-A-PA-SU-020.000	5.35	Deviation was developed to move closer towards western property line.	Adopted into the Proposed Route.	Yes
ALT-A-PA-SU-024.000 ALT-A-PA-SU-026.000 ALT-A-PA-027.000 ALT-A-PA-SU-028.000	6.1	This deviation was developed to avoid a camper.	Replaced by a new route deviation.	Yes
ALT-A-PA-SU-033.000	7.7	This deviation was developed to avoid a home.	Adopted into the Proposed Route.	Yes
ALT-A-PA-SU-033.000 ALT-A-PA-SU-036.000	8.3	Deviation was developed to move route away from a landowner's property line.	Adopted into the Proposed Route.	Yes
PA-SU-070.000 PA-SU-071.000 PA-SU-072.000 PA-SU-073.000 PA-SU-074.000 UA-PA-SU-075.001 PA-SU-079.000 PA-SU-081.000 PA-SU-082.000 PA-SU-083.000 PA-SU-084.000 PA-SU-085.000 PA-SU-087.000	12.7	This deviation was developed at the request of landowners to move the pipeline to the "back" property line away from their homes and to move the route away from a Bluestone Pipeline well pad. This route also avoids a high quality wetland.	Adopted in Proposed Route. Originally named the Brushville Road Minor route deviation.	Yes
PA-SU-074.000 PA-SU-073.000	12.7	This deviation was developed to move pipeline closer to the Bluestone Pipeline.	The route deviation was not adopted. This re-route was replaced by another re-route which was approved and adopted to avoid power poles at the Lewis Corners Road crossing.	No
PA-SU-070.000 PA-SU-071.000 PA-SU-072.000 PA-SU-073.000 PA-SU-074.000 UA-PA-SU-075.001 PA-SU-079.000 PA-SU-081.000 PA-SU-082.000 PA-SU-083.000 PA-SU-084.000 PA-SU-085.000	12.7	This deviation was developed to move the pipeline closer to a property boundary.	Brushville Road Minor Route Deviation. Investigation has determined that an existing well pad conflicts with this deviation. Therefore, it has not been incorporated into the Proposed Route.	No

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
PA-SU-081.000 PA-SU-082.000 PA-SU-083.000	13.5	This deviation was developed to avoid a home.	Brushville Road Minor route deviation. Replaced by a new route deviation.	Yes
PA-SU-082.000 UA-PA-SU-088.001 PA-SU-090.000 PA-SU-091.000	13.9	Avoidance of conservation easement.	Brushville Road Minor route deviation. This route was not adopted. Re-route adds approximately 500 feet of pipe.	No
PA-SU-088.000 UA-PA-SU-088.001 PA-SU-089.000 PA-SU-090.000 PA-SU-091.000	14.6	This deviation was developed to move away from a quarry.	Adopted into the Proposed Route.	Yes
PA-SU-112.000 PA-SU-107.000 PA-SU-108.000 PA-SU-109.000	18.8	This deviation was developed to avoid a quarry.	Replaced by a new route deviation. Quarry property PA- SU-112.000 completely avoided.	Yes
PA-SU-121.000 PA-SU-122.000 PA-SU-123.000	23.8	This deviation was developed to avoid homes.	Replaced by a new route deviation.	Yes
PA SU 128.000 PA-SU-127.000	24.8	Landowner requested the pipeline abut the existing Bluestone Pipeline Right-of-Way.	Adopted into the Proposed Route.	Yes
ALT-B-NY-BR-003.000	26.8	This deviation was developed to avoid close proximity to a home.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-002.000 ALT-B-UA-NY-BR-002.001 ALT-B-NY-BR-004.000 ALT-B-NY-BR-003.000 ALT-B-NY-BR-007.000	27.0	This deviation was developed to avoid homes.	Replaced by a new route deviation.	Yes
ALT-B-UA-NY-BR-012.001	27.8	This deviation was developed to avoid a structure.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-015.001 ALT-B-NY-BR-016.002 ALT-B-NY-BR-016.003	28.95	This re-route was developed to move the pipeline away from homes.	The route deviation was not adopted. (Re-route rejected by Constitution due to impacts on cultural resources).	No
ALT-B-NY-BR-023.000 ALT-B-NY-BR-020.000 ALT-B-NY-BR-024.000	30.9	This deviation was developed to avoid homes.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-024.000 ALT-B-UA-NY-BR-025.000 ALT-B-NY-BR-026.000 ALT-B-NY-BR-028.000	31.4	This deviation was developed to avoid a burial site with ash remains.	Adopted into the Proposed Route.	Yes
ALT-B-NY-BR-028.000	31.6	This deviation was developed to avoid property corner.	Adopted into the Proposed Route. Landowner completely avoided.	Yes
ALT-B-NY-BR-032.000	32.9	This deviation was developed to avoid homes.	Replaced by a new route deviation.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
ALT-B-NY-BR-037.000 ALT-B-NY-BR-039.000	34.0	This deviation was developed to avoid a property entirely.	Replaced by a new route deviation. ALT-B-NY-BR-038.000 is now completely avoided.	Yes
ALT-B-NY-BR-040.000	34.5	This deviation was developed to avoid a barn and relocate the route along a tree line.	Information collected by Constitution determined this route is not feasible and was not incorporated. ALT-B-NY-BR-040.000 is now completely avoided.	Yes
ALT-B-NY-BR-042.000	34.54	No deviation developed. Cemetery plot discovered at this location.	Determined by Constitution's cultural resource consultant that there are no conflicts with the location of the Proposed Route in relation to the cemetery plot.	Yes
ALT-B-NY-BR-054.000 ALT-B-NY-BR-055.000	36.9	This deviation was developed to avoid geological features.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-071.000 ALT-B-NY-BR-072.000 ALT-B-NY-BR-073.000 ALT-B-UA-NY-BR-073.001	40.05	This deviation was developed to avoid a structure.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-072.000 ALT-B-NY-BR-073.000 ALT-B-NY-BR-074.000	40.3	This deviation was developed to move pipeline further away from a cabin.	Adopted into the Proposed Route.	Yes
ALT-B-UA-NY-BR-077.001	40.95	This deviation was developed to avoid underground structures.	Adopted into the Proposed Route.	Yes
NY-BR-077.002	41.3	This deviation was developed to offset the pipeline 300 feet to 400 feet from a roadway.	The route deviation was not adopted. Determined that re-route would add unacceptable additional length.	No
ALT-B-NY-BR-082.003	41.8	A deviation was proposed at this location to move the pipeline away from a water well.	The route deviation proposal was not adopted.	No
ALT-B-NY-BR-083.005 ALT-B-NY-BR-083.006 NY-CH-001.004	42.2	This deviation was developed to move the pipeline away from a future proposed home location.	Adopted into the Proposed Route. Constitution's land agent confirmed future home location.	Yes
NY-CH-005.004 NY-CH-005.002 NY-CH-010.002 NY-CH-010.003	44.0	This deviation was developed to minimize impacts on subdivided lots.	Adopted into the Proposed Route.	Yes
NY-CH-032.000 NY-CH-031.000 NY-CH-033.000	49.1	This deviation was developed to minimize impacts on sensitive land features.	The route deviation was not adopted. This re-route was replaced by a combination of two other re-routes. A combination of both re-routes address the two landowners concerns.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-CH-031.000, NY-CH-032.000 NY-CH-033.000	49.3	This deviation was developed as a compromise between two landowners to route pipeline along a shared property line.	The route deviation was not adopted. This re-route was replaced by a combination of two re-routes which were adopted.	Yes
NY-CH-031.000 NY-CH-032.000 NY-CH-033.000	49.3	This deviation was developed after an agreement between two landowners was made.	Adopted into the Proposed Route.	Yes.
NY-CH-032.000 NY-CH-033.000	49.3	This deviation was developed to minimize impact on mature trees.	Replaced by a new route deviation.	Yes
NY-CH-033.000	49.4	This deviation was developed to collocate pipeline with roadway.	This route was not adopted due to major pipe length increases.	No
NY-CH-031.000 NY-CH-032.000 NY-CH-033.000 NY-CH-034.000 NY-CH-035.000	49.7	This deviation was developed to minimize impacts on sensitive land features between two landowners.	Adopted into the Proposed Route.	Yes
NY-CH-034.000 NY-CH-035.000	50.0	This deviation was developed to move away from a home.	This route was not adopted. Constitution determined route could not be investigated because landowner had not granted survey permission.	No
NY-DE-013.000 NY-DE-016.000	53.8	This route deviation was developed to avoid socioeconomic factors.	This route deviation was not adopted. Determined that re-route would go through a beaver pond and be placed in close proximity electric transmission guy wires and anchors.	No
NY-DE-024.000	55.9	This deviation was developed to avoid a home.	Replaced by a new route deviation.	Yes
NY-DE-029.000	56.5	This deviation was developed to move the pipeline away from a home and for a better creek crossing location.	This route deviation was adopted.	Yes
NY-DE-030.000	56.7	This deviation was developed to potentially improve routing.	This route deviation was not adopted. Determined that re-route would result in additional pipeline length and pose constructability issues.	No
NY-DE-034.000 UA-NY-DE-035.001 NY-DE-035.000	58.6	This deviation was developed to route around a rest area (NYSDOT managed land).	This route deviation was adopted.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-DE-042.000 NY-DE-043.000 NY-DE-044.000	60.5	This deviation was developed to route away from a water well.	This route deviation was adopted.	Yes
NY-DE-045.000 NY-DE-048.000 NY-DE-049.000 NY-DE-050.000	61.8	This deviation was developed to route away from some fields.	This route deviation was not adopted. Determined that re-route would increase wetland impacts. Re-route replaced by another re-route. Constitution representatives met with the two landowners affected by the re-route and received landowner approval.	Yes
NY-DE-063.000 NY-DE-066.000 NY-DE-067.000 UA-NY-DE-067.002 NY-DE-070.000 NY-DE-071.000 NY-DE-072.000	64.0	This deviation is one of two options developed to move pipeline closer to property boundary.	Replaced by a new route deviation.	Yes
NY-DE-070.000 NY-DE-071.000 NY-DE-072.000	64.9	This deviation is one of two options developed to avoid trees and a tree stand.	This route deviation was not adopted. This re-route was replaced by another re-route which was adopted.	Yes
NY-DE-070.000 NY-DE-071.000	64.9	This deviation is one of a couple of options developed to avoid trees and a tree stand.	Adopted into the Proposed Route.	Yes
NY-DE-072.000 NY-DE-077.000 NY-DE-074.000 NY-DE-075.000 NY-DE-076.000	65.6	This deviation was developed to move away from a pond and numerous trees.	Replaced by a new route deviation.	Yes
NY-DE-072.000 NY-DE-077.000	65.6	This deviation was developed to avoid sensitive land features.	Adopted into the Proposed Route.	Yes
NY-DE-080.000	67.0	This deviation was developed to avoid sensitive land features.	This route deviation was not adopted. Determined at the time of review that the re-route adds 420 feet and would require the relocation of a MLV assembly in close proximity to a radio tower.	No
NY-DE-092.000 NY-DE-093.000 NY-DE-094.000 NY-DE-095.000 NY-DE-096.000	69.8	This deviation was developed to move away from a cabin and unfavorable terrain.	Adopted into the Proposed Route. Constitution representatives met with landowner to develop re-route.	Yes
NY-DE-093.000 NY-DE-094.000 NY-DE-095.000	69.9	This deviation was developed to move the route along the wooded edge of property.	Adopted into the Proposed Route.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-DE-098.000 NY-DE-099.000 NY-DE-101.000	71.1	This deviation is one of a couple of options developed to avoid a landowner's trees.	Adopted into the Proposed Route. Constitution to confirm that workspace will not impact trees.	Yes
NY-DE-098.000 NY-DE-099.000 NY-DE-101.000	71.1	This deviation is one of two options developed to avoid a landowner's trees.	This route deviation was not adopted. This re-route was replaced by another route deviation which was approved and adopted. Constitution to confirm that workspace will not impact trees.	Yes
NY-DE-101.000 NY-DE-100.000 NY-DE-103.000	71.5	This deviation was developed to avoid a property.	Adopted into the Proposed Route.	Yes
NY-DE-129.000 NY-DE-130.000 NY-DE-131.000	76.6	This deviation was developed to move the route away from a future proposed home.	Replaced by a new route deviation.	Yes
NY-DE-139.000 NY-DE-140.000 NY-DE-141.000 UA-NY-DE-141.001 NY-DE-144.000 UA-NY-DE-144.001 NY-DE-145.000 NY-DE-146.000 NY-DE-147.000 NY-DE-148.000	77.4	This deviation was developed to move the route from sensitive properties features.	Adopted into the Proposed Route.	Yes
NY-DE-153.000 NY-DE-154.000 NY-DE-154.002 NY-DE-155.000 NY-DE-155.003 NY-DE-155.007 NY-DE-155.008 NY-DE-158.001 NY-DE-158.002 NY-DE-165.004 NY-DE-165.002 NY-DE-165.006 NY-DE-165.010 NY-DE-165.008 NY-DE-165.011 NY-DE-165.012 NY-DE-175.002 NY-DE-175.004 NY-DE-179.001 NY-DE-179.002 NY-DE-180.000 NY-DE-181.000 NY-DE-182.000 NY-DE-183.000	80.8	Avoid Town of East Meredith.	Adopted into the Proposed Route.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-DE-155.000 NY-DE-157.000 NY-DE-156.000 NY-DE-158.000 NY-DE-159.000 NY-DE-160.000	80.8	This deviation was developed to move the route further from a structure.	This route deviation was not adopted. Re-route replaced by another re-route. Land tract is no longer affected by the proposed pipeline route.	Yes
NY-DE-160.000	81.1	This deviation was developed to address distance to a home and side-slopes.	This route deviation was not adopted. This property is no longer affected by the pipeline route.	Yes
NY-DE-177.001	82.8	This deviation was developed to avoid an existing block wall and water well.	Proposed Route no longer impacts property with existing block wall and water well. Property no longer affected.	Yes
NY-DE-207.000 NY-DE-205.000 NY-DE-208.000	88.5	This deviation was developed to avoid a home.	This route deviation was adopted.	Yes
UA-NY-DE-224.001 UA-NY-DE-224.001 ALT-C-DE-001.000 ALT-C-DE-002.000 ALT-C-DE-003.000 ALT-C-DE-004.000 NY-DE-226.000 NY-DE-226.000 NY-DE-229.000	90.0	This deviation was developed to avoid forested land.	This route deviation was not adopted. Constitution determined that re-route affects several new landowners to avoid one landowner. The route adds several additional turns and is not the most favorable route. This re-route is also close to a cemetery at Titus Lake Rd. crossing. It also parallels propane line that has had issues in the past.	No
NY-DE-224.000 UA-NY-DE-224.001 ALT-C-DE-001.000 ALT-C-DE-002.000 ALT-C-DE-003.000 ALT-C-DE-004.000 ALT-C-DE-005.000 NY-DE-230.000 UA-NY-DE-227.003 NY-DE-231.000 NY-DE-232.000	90.8	This deviation was developed to avoid sensitive land features.	This route deviation was not adopted. Determined that re-route would impact 26 new landowners if implemented.	No
NY-DE-232.000 NY-DE-231.000	92.7	This deviation was developed to avoid sensitive land features.	This route deviation was adopted.	Yes
NY-DE-233.000 NY-DE-231.000 NY-SC-001.000	93.1	This deviation was developed to allow a future subdivision.	This route deviation was adopted.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-SC-001.000 NY-SC-002.000 NY-SC-003.000 UA-NY-SC-004.002 UA-NY-SC-004.003 NY-SC-005.000 NY-SC-006.000 Y-SC-007.000 UA-NY-SC-009.002 NY-SC-010.001 ALT-F-NY-SC-003.000	93.6	This deviation was developed to avoid sensitive land features.	This route deviation was adopted.	Yes
NY-SC-004.006 NY-SC-005.000 NY-SC-005.001	94.1	This deviation is the modification of a previous minor route deviation developed to avoid sensitive land features.	This route deviation was adopted.	Yes
ALT-F-NY-SC-020.004 ALT-F-NY-SC-034.002	98.4	This route deviation was developed to avoid a log cabin and a property with sensitive land features.	This route deviation was adopted.	Yes
NY-SC-032.000 NY-SC-033.000 NY-SC-034.000	98.4	This deviation was developed to offset route 100 feet or more away from a home.	Property no longer impacted by Proposed Route.	Yes
ALT-F-NY-SC-020.004 ALT-F-NY-SC-034.002	98.4	This deviation was developed to move route away from a future home and water well site.	Replaced by a new route deviation.	Yes
NY-SC-049.000 NY-SC-050.000 UA-NY-SC-050.002 NY-SC-051.000 NY-SC-052.000	100.7	The deviation was developed to move pipeline route away from a home.	This route deviation was not adopted. Constitution determined that a re-route on this property is no longer needed. The landowner confirmed that original route across the property was acceptable.	Yes
NY-SC-051.000 NY-SC-052.000 NY-SC-050.000 NY-SC-053.000	100.7	This deviation was developed to route the pipeline away from a structure.	This route deviation was adopted.	Yes
NY-SC-053.000 NY-SC-054.000 NY-SC-055.000	101.0	This deviation was developed to route away from landowner's home and closer to a pond.	Replaced by a new route deviation.	Yes
NY-SC-052.000 NY-SC-053.000 NY-SC-054.000	101.0	This deviation was developed to route away from apple trees.	This route deviation was adopted.	Yes
NY-SC-055.000 NY-SC-056.000 NY-SC-057.000	101.5	This deviation was developed to route away from homes and septic leech fields.	Replaced by a new route deviation.	Yes
NY-SC-063.000	102.0	This deviation was developed to route the pipeline away from a home and oak trees.	Replaced by a new route deviation.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
NY-SC-064.000 NY-SC-065.000	102.3	This deviation was developed to route the pipeline along a road and adjacent property line.	Replaced by a new route deviation.	Yes
ALT-L-NY-SC-007.000 ALT-L-NY-SC-008.000 ALT-L-NY-SC-009.000 ALT-L-NY-SC-010.000	104.9	This deviation was developed to reduce impacts on farmland.	Replaced by a new route deviation.	Yes
ALT-L-NY-SC-008.000 ALT-L-NY-SC-009.000 ALT-L-NY-SC-010.000 ALT-L-NY-SC-011.000 ALT-L-NY-SC-012.000	105.1	This deviation was developed to avoid a 300-year-old tree that has historical importance.	The route deviation was adopted.	Yes
ALT-R-NY-SC-003.000 ALT-R-NY-SC-005.000	105.8	This deviation was developed to avoid sensitive land features.	This route deviation was adopted.	Yes
ALT-R-NY-SC-015.000 ALT-R-NY-SC-020.000 ALT-R-NY-SC-021.000	108.6	This minor route deviation was developed to move pipeline further away from home.	This route deviation was adopted.	Yes
ALT-R-NY-SC-023.000 ALT-O-NY-SC-006.000 ALT-O-NY-SC-007.000 ALT-O-NY-SC-011.000	111.0	This deviation was developed to route the pipeline to the southern property line.	Replaced by a new route deviation.	Yes
ALT-O-NY-SC-013.003 ALT-O-NY-SC-013.004 ALT-O-NY-SC-013.005	112.2	This deviation was developed to follow a private road north of the Jeep Club House.	This route deviation was not adopted. Constitution determined after a meeting between a land agent and landowner that the landowner agrees with the Proposed Route south of the Jeep Club House.	Yes
ALT-O-NY-SC-015.000 ALT-O-NY-SC-015.002 ALT-O-NY-SC-016.000	114.5	This deviation was developed to trade impacts between two landowners. Routing has been moved from a property where the landowner is opposed to the project and placed on a property in which the landowner wants the pipeline on property.	Adopted into the Proposed Route.	Yes
ALT-O-NY-SC-017.000 ALT-O-NY-SC-016.000	115.1	This deviation was developed to avoid farmland.	This route deviation was not adopted. This re-route was replaced by another re-route which was adopted.	Yes. NYSDAM was on site to help develop this re-route.
NY-SC-156.000	116.4	This deviation was developed to avoid sugar maple trees.	This route deviation was adopted.	Yes

APPENDIX H-1 (continued)
Minor Route Variations Reported to Constitution Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Landowner Resolution According to Constitution at the Time of the Draft EIS? (Yes/No)
ALT-Q-NY-SC-001.000 ALT-Q-NY-SC-002.000 ALT-Q-NY-SC-002.002 ALT-Q-NY-SC-003.000 ALT-Q-UA-NY-SC-003.001 ALT-Q-NY-SC-006.000 ALT-Q-NY-SC-007.000	117.3	This deviation was developed to follow the property line.	Adopted into the Proposed Route.	Yes
ALT-Q-NY-SC-021.002 ALT-Q-NY-SC-017.001 ALT-Q-NY-SC-016.004	119.8	This deviation was developed to avoid a sand filtration system.	Adopted into the Proposed Route.	Yes. Constitution representatives met with landowner to confirm extents of sand filtration system, which helped create re-route.
ALT-Q-NY-SC-032.000 ALT-Q-NY-SC-033.000 ALT-Q-NY-SC-034.000 ALT-Q-UA-NY-SC-035.000 NY-SC-205.000	121.35	This deviation was developed to move the pipeline away from a structure.	This route deviation was not adopted. Re-route not technically feasible due to limited workspace associated with the location of the TGP 200 Line	No
N/A	N/A	This deviation was developed to allow co-location with the proposed EmKey gathering line.	This route deviation was not adopted. Constitution determined that this landowner is not affected by the pipeline route.	No

For parcels noted in **bold** we requested in the draft EIS that Constitution provide additional information.

APPENDIX H-1A

Minor Route Variations Assessed for Impacts on Water Resources Prior to the Issuance of the Draft EIS

APPENDIX H-1A
Minor Route Variations Assessed for Impacts on Water Resources Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Agency Resolution (Yes/No)
ALT-B-NY-BR-015.000 ALT-B-NY-BR-020.002	28.7	Minimize impacts on stream BR-1H-S178.	Adopted into Proposed Route.	Yes
ALT-B-NY-BR-020.000	30.3	Minimize impacts on stream BR-1I-S001.	Adopted into Proposed Route.	Yes
ALT-B-NY-BR-031.000 ALT-B-NY-BR-035.000	33.1	Minimize impacts on wetland crossing.	Adopted into Proposed Route.	Yes
ALT-B-NY-BR-037.000 ALT-B-NY-BR-039.000	34.0	Minimize impacts on stream BR-1I-S057.	Adopted into Proposed Route.	Yes
ALT-B-NY-BR-050.000 ALT-B-NY-BR-051.000 ALT-B-NY-BR-053.000 ALT-B-UA-NY-BR-052.000	36.53	Minimize impacts on stream BR-1U-S141.	Adopted into Proposed Route.	Yes
NY-CH-004.006 NY-CH-004.003 NY-CH-005.002	43.7	Minimize impacts on wetland CH-1H-S016.	Adopted into Proposed Route.	Yes
NY-CH-011.000 NY-CH-012.000 NY-CH-014.000 NY-CH-015.000	45.3	Minimize impacts on stream CH-XX-S43.14.	Adopted into Proposed Route.	Yes
NY-CH-015.000 UA-NY-CH-015.001 NY-CH-016.000 NY-CH-017.000	45.8	Minimize impacts on wetland CH-XX-S43.52.	Adopted into Proposed Route.	Yes
NY-DE-009.000 NY-DE-010.000 NY-DE-011.000 NY-DE-010.000	52.4	Minimize impacts on stream DE-1B-S029.	Adopted into Proposed Route.	Yes
NY-DE-019.001 NY-DE-024.000 NY-DE-025.000 NY-DE-026.000	55.7	Minimize impacts on stream DE-1F-S078.	Adopted into Proposed Route.	Yes
NY-DE-044.000 NY-DE-045.001	60.65	Minimize impacts on stream DE-1P-S129.	Adopted into Proposed Route.	Yes
NY-DE-092.000 NY-DE-093.000	69.2	Minimize impacts on stream DE-1P-S054.	Adopted into Proposed Route.	Yes
NY-DE-149.000 NY-DE-150.000 NY-DE-151.000 NY-DE-153.000 NY-DE-154.000	80.2	Minimize impacts on wetland DE-1G-S183, S183D.	Adopted into Proposed Route.	Yes
NY-DE-158.001 NY-DE-158.002	81.65	Minimize impacts on stream crossing.	Adopted into Proposed Route.	Yes
NY-DE-165.004	81.7	Minimize impacts on stream DE-1G-S203.	Adopted into Proposed Route.	Yes
NY-DE-205.000	88.23	Minimize impacts on stream DE-1P-S053.	Adopted into Proposed Route.	Yes
NY-SC-006.000	94.3	Minimize impacts on stream SC-1F-S002.	Adopted into Proposed Route.	Yes
NY-SC-007.002 NY-SC-009.002 ALT-F-NY-SC-003.000 NY-SC-010.001	94.9	Minimize impacts on stream SC-1C-S325, S325A, S325B.	Adopted into Proposed Route.	Yes

APPENDIX H-1A (continued)
Minor Route Variations Assessed for Impacts on Water Resources Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	Agency Resolution (Yes/No)
ALT-F-NY-SC-004.000 POTENTIAL-ALT-F-004.000 POTENTIAL-ALT-F-005.000 ALT-F-NY-SC-004.004	96.07	Minimize impacts on stream SC-1Q-S278.	Adopted into Proposed Route.	Yes
ALT-Q-NY-SC-022.000 ALT-Q-NY-SC-020.000 ALT-Q-NY-SC-023.000	120.7	Minimize impacts on stream SC-1C-S180.	Adopted into Proposed Route.	Yes

APPENDIX H-1B
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

APPENDIX H-1B
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
ENG-TRK#001	PA-SU-001.000	0.0	0.0	Turnpike Road Meter Station workspace configuration change to accommodate access roads and stormwater facilities. Extend pipeline to edge of workspace.	not applicable.	Yes for environmental and cultural resources
TRK#462.0	PA-SU-002.000	0.8	0.9	Re-route to move away from a waterbody	not applicable.	Yes for environmental and cultural resources
TRK#403.0	ALT-A-PA-SU-003.002, PA-SU-002.002, ALT-T-PA-SU-004.001, ALT-T-PA-SU-001.000	1.6	2.0	Re-route to address construction concerns by avoiding crossing Williams Midstream pipeline facilities multiple times.	not applicable.	No for environmental and cultural resources
TRK#470.0	ALT-T-PA-SU-007.000	3.1	3.3	Re-route to move away from a spring and old building foundation	Yes, the Primary route was re-routed and moved to avoid a foundation and a spring. Easement negotiations are on-going with the landowner.	Yes for environmental and cultural resources
ENG-TRK#002	ALT-T-PA-SU-007.000, ALT-A-PA-SU-013.001	3.3	3.3	Re-route to address engineering concerns by removing two Points of Inflection (PIs) to install White road tie-in.	not applicable.	Yes for environmental and cultural resources
TRK#449.0	ALT-T-PA-SU-030.000, ALT-A-PA-SU-031.000	6.6	6.8	Re-route addressing environmental concerns to minimize wetland impacts.	not applicable.	No for environmental and cultural resources
TRK#444.0	ALT-A-PA-SU-033.000, ALT-A-PA-SU-036.000	8.0	8.3	Re-route to address landowner concerns by removing workspace off of parcel ALT-A-UA-PA-SU-035.000.	Yes, the Primary route was adjusted north to remove temporary work space off parcel ALT-A-PA-SU-035.000. Easement negotiations are ongoing with the landowner.	Yes for environmental and cultural resources
TRK#458.0	PA-SU-055.000	9.9	10.0	Re-route to move away from a parallel waterbody	not applicable.	Yes for environmental and cultural resources
TRK#463.0	PA-SU-074.000, PA-SU-075.002, PA-SU-075.001	12.7	12.9	Re-route to move away from a waterbody	not applicable.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#414.0	PA-SU-075.002, PA-SU-079.001, PA-SU-075.001, PA-SU-079.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resources concerns by avoiding a sensitive site.	not applicable.	Yes for environmental and cultural resources
TRK#413.0 and TRK#424.0	PA-SU-082.000, PA-SU-083.000, PA-SU-084.000, PA-SU-085.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource concerns and construction concerns. The deviation avoids a cultural resource, re-routes away from side slopes, and makes a better crossing of the Bluestone Company waterlines.	not applicable.	No for environmental Yes for cultural resources
ENG-TRK#003	PA-SU-097.000	15.3	15.5	Re-route to address engineering infeasibility of an HDD.	not applicable.	Yes for environmental and cultural resources
TRK#464.0	PA-SU-097.000	15.4	15.6	Re-route to move away from a waterbody	not applicable.	Yes for environmental and cultural resources
TRK#443.0	PA-SU-106.000, PA-SU-107.000, PA-SU-108.000, PA-SU-109.000	18.0	18.9	Re-route to address landowner concerns by minimizing impacts to a future quarry site.	Yes, the re-route was developed and adopted by Constitution's Engineering Department to minimize pipeline construction impacts through a quarry.	No for environmental and cultural resources
TRK#401.0	ALT-S-PA-SU-002.000, ALT-S-PA-SU-005.000	19.4	19.5	Re-route to address construction concerns by following contours more favorable for construction.	not applicable.	No for environmental and cultural resources
TRK#505.0	PA-SU-113.000, ALT-S-PA-SU-006.000, ALT-S-PA-SU-007.000	19.9	20.6	Re-route to move away from a quarry	Yes, re-route developed and adopted by Constitution's Engineering Department to route the Primary route away from future quarry area. Easement negotiations are ongoing with the landowner.	No for environmental and cultural resources
TRK#404.0	ALT-S-UA-PA-SU-027.005, ALT-S-UA-PA-SU-028.002, ALT-S-PA-SU-028.003, ALT-S-PA-SU-027.007	21.7	21.9	Re-route to address landowner concerns by avoiding a deck.	Yes, the Primary route was re-routed to avoid a deck. Easement agreement acquired	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#396.0	PA-SU-122.000, ALT-S-PA-SU-028.000, ALT-S-PA-SU-027.000, ALT-S-PA-SU-028.006, ALT-S-PA-SU-028.005	22.5	23.3	Re-route to address landowner concerns by avoiding a permitted quarry.	Yes, the Primary route was re-routed to parallel an existing pipeline right-of-way. Easement agreement acquired	No for Environmental and cultural resources
TRK#416.0	PA-SU-128.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource concerns by deviating route to avoid a cultural site.	not applicable.	Yes for environmental and cultural resources
TRK#511.0	ALT-B-NY-BR-001.000	26.0	26.2	TRK#511.0 was established to avoid an active quarry.	Easement negotiations are ongoing with the landowner.	Yes
TRK#399.0	ALT-B-NY-BR-002.001, NY-BR-001.002, ALT-B-NY-BR-001.000, ALT-B-NY-BR-002.000	26.2	26.6	Re-route to address environmental and landowner concerns. The re-route moves the route farther from a home and minimizes impacts to a waterbody. The re-route also avoids impacts to a cultural resource.	No, the Primary route was re-routed to move slightly farther from house and minimize wetland impacts. Constitution stated that it cannot move line farther from home on ALT-B-NY-BR-001.000, as landowner had requested, because of steep side slope. Easement agreements have been acquired for the adjacent property landowners on ALT-B-NY-BR-002.000 and ALT-B-NY-BR-002.001.	No for environmental and cultural resources
TRK#497.0	ALT-B-NY-BR-007.000, ALT-B-NY-BR-012.000	27.1	27.5	Re-route to change the location of a creek crossing per the request of the NYSDEC	not applicable.	No for environmental and cultural resources
ENG-TRK#018	ALT-B-NY-BR-015.001	28.9	28.9	Re-route to remove PI from north side of County Rd 28	not applicable.	Yes for environmental and cultural resources
TRK#472.0	ALT-B-NY-BR-018.000	29.3	29.4	Re-route to move the route away from a waterbody	not applicable.	Yes for environmental and cultural resources
ENG-TRK#004	ALT-B-NY-BR-020.000	29.8	29.9	Realignment of School House Road crossing.	not applicable.	Yes for environmental and cultural resources
TRK#456.0	ALT-B-NY-BR-020.000	30.2	30.5	Re-route away from a land slide area	not applicable.	No for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#498.0	ALT-B-NY-BR-020.000	30.2	30.5	NYSDEC re-route modification to TRK#456.0 to improve the location of a stream crossing	not applicable.	No for environmental and cultural resources
TRK#499.0	ALT-B-NY-BR-031.000	32.7	32.7	Reroute to adjust PI at the HWY 41 crossing	not applicable.	Yes for environmental and cultural resources
TRK#506.0	ALT-B-NY-BR-046.000	35.4	35.7	Re-route to move the route away from a spring and cistern	Yes, re-route developed and adopted by Constitution's Engineering Department to route the pipeline away from spring and cistern. Easement negotiations are ongoing with the landowner.	No for environmental and cultural resources
ENG-TRK#005 and ENG-TRK#015	ALT-B-NY-BR-049.000, ALT-B-NY-BR-050.000, ALT-B-NY-BR-050.000, ALT-B-NY-BR-051.000, ALT-B-UA-NY-BR-050.002, ALT-B-NY-BR-052.000, ALT-B-NY-BR-053.000	36.3	36.6	Re-route to address engineering and landowner concerns. The re-route changed the road crossing for Clark Road and avoids a tree line.	Yes, Constitution Engineering Department's re-route changed the road crossing for Clark Road. Workspace was shifted and avoids a tree line on ALT-B-UA-NY-BR-050.002, as landowner had requested. Easement agreements acquired for ALT-B-NY-BR-049.000, ALT-B-NY-BR-050.000, ALT-B-UA-NY-BR-050.002 ALT-B-NY-BR-051.000.	Yes for environmental and cultural resources
ENG-TRK#006	ALT-B-NY-BR-072.000	40.1	40.2	Re-route to address engineering concerns. The re-route changed the crossing under electric power lines.	not applicable.	Yes for environmental and cultural resources
ENG-TRK#017	ALT-B-NY-BR-078.000, ALT-B-NY-BR-077.001	40.8	40.9	Re-route to address engineering concerns. The re-route changed PIs for better access to the road crossing at O'Brien Road.	not applicable.	Yes for environmental and cultural resources
TRK#412.0	NY-BR-077.000, NY-BR-077.002, ALT-B-NY-BR-082.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#455.0	ALT-B-NY-BR-083.000, ALT-B-NY-BR-082.003, ALT-B-NY-BR-083.004, ALT-B-NY-BR-083.005	41.7	42.0	Re-route away from parallel waterbody	Not applicable according to Constitution. However, we conclude that the reroute adequately addresses landowner concerns (home, well, property, wetlands) for parcel ALT-B-NY-BR-082.003.	No for environmental and cultural resources
TRK#446.0	NY-CH-001.006, NY-CH-001.007, NY-CH-003.006	42.5	42.9	Re-route to address landowner and construction concerns by moving pipeline closer to the property line.	Yes, Primary route was re-routed to move to back edge of landowner property as requested on NY-CH-001.007. Easement negotiations are ongoing with the landowner. Constitution stated that the landowner at NY-CH-003.006 will not negotiate with them.	No for environmental and cultural resources
TRK#459.0	NY-CH-016.000, NY-CH-017.000	45.7	46.0	Re-route to move away from a waterbody	not applicable.	Yes for environmental and cultural resources
TRK#415.0	NY-CH-017.000, NY-CH-019.000, NY-CH-020.000	46.4	46.9	Re-route to address construction concerns and minimize impacts by routing away from a steep slide slope area.	not applicable.	No for environmental and cultural resources
TRK#460.0	NY-CH-020.000	46.7	46.9	Re-route to move away from a waterbody	not applicable.	No for environmental and cultural resources
ENG-TRK#016	NY-CH-025.000, NY-CH-026.000, NY-CH-027.000	47.6	48.0	Re-route to address engineering infeasibility of an HDD and incorporate the Direct Pipe trenchless crossing method to minimize impacts to a waterbody crossing at Bennettsville Creek.	not applicable.	No for environmental and cultural resources
TRK#438.0	NY-CH-032.000, NY-CH-033.000	49.3	49.6	Re-route to address landowner concerns by moving workspace off of NY-CH-033.000.	Yes, Primary route was moved slightly to move workspace off of northern-edge of NY-SC-031.000 and completely onto NY-SC-033.000. Easement negotiations are ongoing with the landowner.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#526.0	NY-DE-014.000 NY-DE-013.000 NY-DE-016.000 UA-NY-DE-018.001 NY-DE-017.000 UA-NY-DE-017.001 NY-DE-018.000	54.2	55.3	TRK#526.0 was established to reduce risks associated with consideration of performing a trenchless method across the Village of Sidney Water Supply Area. It also avoids potential impacts to cultural resources.	Landowners on UA-NY-DE-018.001, UA-NY-DE-017.001,and NY-DE-017.001 have provided signed routing approvals. Easement negotiations are ongoing with the landowners.	Yes
TRK#473.0	NY-DE-024.000, NY-DE-025.000, NY-DE-026.000, NY-DE-027.000, NY-DE-028.000	55.9	56.4	Re-route to move away from a culvert and stream	not applicable.	Yes for environmental and cultural resources
TRK#436.0	NY-DE-045.001, NY-DE-045.000	60.8	61.3	Re-route to address landowner concerns by avoiding a gravel quarry.	Yes, re-route developed and adopted by Constitution's Engineering Department to move pipeline to NY-DE-045.001 to avoid Quarry area on southern-half of NY-DE-045.000. Easement negotiations are ongoing with the landowner.	No for environmental and cultural resources
TRK#385.0	NY-DE-048.000, NY-DE-049.000, NY-DE-050.000	61.5	62.4	Re-route to address construction concerns by adjusting the crossing of Patent Line Road. The crossing was changed from a perpendicular to a diagonal crossing.	not applicable.	Yes for environmental and cultural resources
ENG-TRK#014	NY-DE-077.000	65.9	65.9	Re-route to address engineering concerns by changing the location of MLV # 6.	not applicable.	Yes for environmental and cultural resources
TRK#441.0	NY-DE-080.000, NY-DE-080.001, NY-DE-082.000, NY-DE-083.000, NY-DE-084.000, NY-DE-081.000	66.7	68.0	Re-route to address environmental concerns on property owners (BMB Land, LLC) land to avoid wetlands.	not applicable.	No for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#457.0	NY-DE-080.000, UA-NY-DE-080.001, NY-DE-082.000, NY-DE-083.000, NY-DE-084.000, NY-DE-085.000, NY-DE-086.000, NY-DE-089.000, NY-DE-091.000	67.2	69.1	Re-route for landowner (NY-DE-085.000) to move route closer to back property line.	Yes, re-route moved to back property line for landowner on NY-DE-085.000 as requested. Easement negotiations are ongoing with the landowner.	No for environmental and cultural resources
TRK#411.0 and TRK#428.0	NY-DE-105.000, NY-DE-106.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource and landowner concerns by avoiding a cultural resource and keeping the pipeline route close to the landowner's property line.	No, re-route developed and adopted by Constitution's Engineering Department to move pipeline to back edge of NY-DE-105.000. This Reroute was changed again slightly to avoid Cultural resource (Stone piles), which pushed the route a little further from the property edge. Landowner on NY-DE-105.000 is still unsatisfied with route. Negotiations are ongoing with the landowner.	Yes for environmental and cultural resources
TRK#410.0	NY-DE-118.000, NY-DE-117.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resources concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources
TRK#488.0	NY-DE-127.000, UA-NY-DE-127.001, NY-DE-127.002, NY-DE-129.000	75.8	76.3	Re-route to avoid power poles	not applicable.	No for environmental and cultural resources (minor portion extends outside of previous survey corridor)
TRK#502.0	NY-DE-141.006, NY-DE-142.001	78.0	78.3	Re-route to avoid two creek crossings proposed by NYSDEC.	not applicable.	No for environmental and cultural resources
TRK#418.0	NY-DE-149.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resources concerns by adjusting the workspace to avoid cultural site	not applicable.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#409.0	NY-DE-155.000, NY-DE-155.003, NY-DE-155.004, NY-DE-155.007, NY-DE-155.008	Location withheld [c]	Location withheld [c]	Re-route to address cultural resources concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources
TRK#393.0	NY-DE-158.001, NY-DE-158.002, NY-DE-165.004,	81.1	82.0	Re-route to address environmental concerns by modifying a stream crossing as a result of an onsite field visit with the NYSDEC and COE.	not applicable.	No for environmental and cultural resources
TRK#417.0	NY-DE-183.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resources concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources
ENG-TRK#009	NY-DE-193.000, NY-DE-194.000, NY-DE-195.000, NY-DE-196.001, NY-DE-197.000	85.6	86.3	Re-route to address engineering infeasibility of an HDD and incorporate the Direct Pipe trenchless crossing method to minimize impacts to a wetland crossing.	not applicable.	Yes for environmental and cultural resources
ENG-TRK#010	NY-DE-200.000, NY-DE-201.000, NY-DE-202.001	87.7	88.1	Re-route to address engineering infeasibility of an HDD and incorporate the Direct Pipe trenchless crossing method to minimize impacts to a waterbody crossing and the County Rd. 23 crossing.	not applicable.	Yes for environmental and cultural resources
TRK#493.0	NY-DE-227.000, NY-DE-230.000, NY-DE-231.000, NY-DE-232.000	92.2	92.7	NYSDEC re-route to move route away from a bend in the stream	not applicable.	Yes for environmental and cultural resources
ENG-TRK#011 and ENG-TRK#019	NY-SC-004.005	94.0	94.0	Re-route to address engineering concerns by removing PIs to straighten the perpendicular road crossing.	not applicable.	Yes for environmental and cultural resources
TRK#408.0	NY-SC-005.000, NY-SC-006.000	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources
TRK#494.0	NY-SC-009.002, ALT-F-NY-SC-003.000	95.1	95.3	NYSDEC re-route to change crossing location of Clapper Hollow Creek and move away from sloped area	not applicable.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK#461.0	ALT-F-NY-SC-016.000, POTENTIAL-ALT-F-007.000	97.4	97.5	Re-route to move away from a waterbody	not applicable.	Yes for environmental and cultural resources
TRK#407.0	ALT-F-NY-SC-020.003, ALT-F-NY-SC-020.004	Location withheld [c]	Location withheld [c]	Re-route to address cultural resource concerns by avoiding a cultural site.	not applicable.	Yes for environmental and cultural resources
TRK#400.0	NY-SC-044.000, NY-SC-045.000, NY-SC-046.000, NY-SC-047.000, NY-SC-048.000, NY-SC-049.000, NY-SC-050.000, UA-NY-SC-050.004, NY-SC-051.000	100.0	100.7	Re-route to address landowner concerns by avoiding a rock wall, house foundation, and property corner.	Yes, landowner issues resolved for NY-SC-045.000, NY-SC-047.000, NY-SC-048.000, and NY-SC-049.000.	No for environmental and cultural resources
TRK#398.0	NY-SC-052.000, NY-SC-053.000, NY-SC-054.000, NY-SC-055.000, NY-SC-053.001, NY-SC-057.000	100.9	101.5	Re-route to address landowner concerns by avoiding maple and apple trees.	Yes, landowner issues resolved for NY-SC-053.000.	No for environmental and cultural resources
TRK#522.0	NY-SC-057.000 NY-SC-058.000 UA-NY-SC-058.001 UA-NY-SC-062.001 NY-SC-062.000 NY-SC-063.000	101.5	102.4	TRK#522.0 was established to minimize wetland and waterbody impacts by moving workspace and the pipeline out of wetland and from a high gradient stream crossing to a lower gradient stream crossing.	Easement negotiations are ongoing with the landowners.	No
TRK#383.0	NY-SC-067.000, NY-SC-069.000, ALT-L-NY-SC-003.000	103.2	103.6	Re-route to address construction concerns by routing away from unfavorable terrain. The re-route also avoids impacts to a cultural resource.	not applicable.	Yes for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
TRK524.0	ALT-O-NY-SC-015.000, ALT-O-NY-SC-016, ALT-O-NY-SC-017.000, and ALTO-NY-SC-022.000	115.0	115.8	Shift the route to the south to avoid planned farm structures.	No	Yes
TRK#453.0	NY-SC-156.000, NY-SC-160.000, NY-152.000, ALT-Q-NY-SC-001.000	116.3	117.2	NYSDAM re-route to minimize agricultural field impacts	Yes, landowner approved of reroute.	No for environmental and cultural resources
TRK#390.0	ALT-O-UA-NY-SC-017.001, ALT-O-NY-SC-017.000	117.3	117.8	Re-route to address landowner concerns by avoiding a leach field.	Yes, landowner issues resolved.	No for environmental and cultural resources
TRK#406.0	ALT-Q-NY-SC-007.000, ALT-Q-UA-NY-SC-008.001, ALT-Q-NY-SC-008.000, ALT-Q-NY-SC-010.000	117.3	117.8	Re-route to address landowner concerns by avoiding a grave site.	Uncertain, assumed no	No for environmental Yes for cultural resources
TRK#500.0	ALT-Q-NY-SC-017.001, ALT-Q-NY-SC-021.002, ALT-Q-UA-NY-SC-021.001, ALT-Q-NY-SC-022.000, (Park and Ride Tract # not available)	119.9	120.4	Re-route to change the crossing location of Hwy 30a	not applicable.	No for environmental and cultural resources
TRK#405.0	ALT-Q-NY-SC-021.002, ALT-Q-NY-SC-022.000, ALT-Q-NY-SC-020.000	120.0	120.7	Re-route to address landowner concerns by minimizing impacts to the BOCES technical school property.	Yes, landowner issues resolved. Easement agreements acquired for ALT-Q-NY-SC-021.002. Constitution is still negotiating with ALT-Q-NY-SC-020.000 (BOCES Technical School) and ALT-Q-NY-SC-022.000 to address concerns	No for environmental and cultural resources

APPENDIX H-1B (continued)
Minor Route Variations Adopted by Constitution Since Issuance of the Draft EIS

Constitution's Minor Route Deviation Tracking Number	Affected Parcel Numbers	Begin MP	End MP	Constitution's Reason for Minor Deviation	Landowner Issue Resolution Status as reported by Constitution	Reroute Inside Original Survey Corridor? [a, b]
ENG-TRK#012	ALT-Q-UA-NY-SC-026.000, ALT-M-NY-SC-271.002, ALT-Q-NY-SC-027.003, ALT-Q-NY-SC-027.004, ALT-Q-NY-SC-027.005, ALT-Q-NY-SC-027.006, ALT-Q-NY-SC-027.002, ALT-Q-NY-SC-027.003, ALT-Q-NY-SC-028.000, ALT-Q-NY-SC-029.000	121.3	122.3	Re-route to avoid the Tennessee Gas Pipeline (TGPL) easement.	not applicable.	No for environmental and cultural resources
TRK#492.0	ALT-Q-NY-SC-029.000	122.1	122.6	Re-route to move away from TGPL and to reduce length	not applicable.	No for environmental and cultural resources
ENG-TRK#013	ALT-Q-NY-SC-037.000, ALT-Q-NY-SC-038.000, ALT-Q-NY-SC-039.000, NY-SC-208.000	123.8	124.4	Re-route to avoid the Tennessee Gas Pipeline (TGPL) easement.	not applicable.	Yes for environmental and cultural resources

[a] Constitution's environmental survey of route deviations outside of the August 27, 2013 centerline environmental survey corridor have either already been completed or are in progress on properties where survey access permission has been granted.

[b] Archaeology surveys where access is available have been completed or are in progress.

[c] Location withheld to protect the integrity of sensitive cultural resources sites.

APPENDIX H-2

Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

APPENDIX H-2
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
PA-SU-001.001	0	This deviation was developed to move the pipeline away from a home.	This route deviation was not adopted. Determined that landowner is no longer affected.	Yes
ALT-A-PA-SU-020.000	5.3	Deviation was developed to avoid a structure.	Replaced by a new route deviation.	Yes
PA-SU-061.000	10.7	This deviation was developed to move the pipeline away from a home.	This route deviation was not adopted. It was determined that the re-route will cross the Bluestone Pipeline three times.	No
PA-SU-074.000 Brushville Road minor route deviation	12.7	This deviation was developed to move the pipeline from features of concern.	Adopted into the Proposed Route.	Yes
PA-SU-095.000	15.1	This deviation was developed to address environmental concerns.	This route deviation was adopted.	Yes
PA-SU-103.000 PA-SU-104.000 PA-SU-106.000 PA-SU-108.000 PA-SU-109.000 ALT-S-PA-SU-001.000 ALT-S-PA-SU-002.000	17.5	This deviation combines two re-route requests: to deviate away from a rock quarry property and to increase distance between pipeline workspace and a home.	Adopted into Proposed Route.	Yes
UA-PA-SU-110.001	18.9	This route deviation was developed to move pipeline away from a home.	This route deviation was not adopted, but was replaced by another re-route.	Yes
ALT-S-PA-SU-007.002	21.1	Landowner concerned with proximity of alignment to future house site.	Pending**.**	No
ALT-B-NY-BR-039.000 ALT-B-NY-BR-042.000 ALT-B-NY-BR-039.001 ALT-B-NY-BR-039.002	34.4	This deviation combines two requests. One is to avoid a wetland, and the other is to route off a property with subdivided lots.	Adopted into Proposed Route.	Yes
ALT-B-NY-BR-041.000	34.9	This deviation was developed to address a future subdivision.	Replaced by a new route deviation.	Yes
ALT-B-NY-BR-054.000	37.1	This deviation was developed to avoid geological features.	Adopted into Proposed Route.	Yes
NY-BR-077.000	40.6	Landowner concerned current alignment would prohibit future development of the land.	Pending**.**	No
ALT-B-NY-BR-082.000	41.4	Landowner was concerned about rights to build a house, removal of trees and berry bushes, and ability to cross the pipeline.	Pending**.**	No

APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
NY-CH-001.007	42.5	Landowner requested the pipeline be moved to the back of their property so as to not impact a future gas well or home site.	Pending**.**	No
NY-CH-001.002	42.6	This deviation was requested to move the pipeline away from a home.	This route deviation is no longer needed. The landowner's property is no longer affected by route.	Yes
UA-NY-CH-034.003	50.05	This route deviation was developed to move the pipeline away from a home.	This route deviation was not adopted. Constitution's reason for not adopting this re-route is because the pipeline centerline is approximately 184 feet away from the home without the consideration of the re-route. The landowner's home is already more than 100 feet away from the Project's workspace.	Yes
NY-DE-006.000	51.6	This deviation was developed to route the pipeline away from a home.	This route deviation was not adopted. (Proposed route is already approximately 260 feet from landowner's home).	No
NY-DE-035.000 NY-DE-036.000	59.0	This deviation was developed to increase distance between pipeline workspace and a home.	Adopted into the Proposed Route. Re-route was developed to add 50 additional feet between the pipeline and the home; from approximately 109 feet to approximately 157 feet.	Yes
NY-DE-035.000	59.0	This deviation was developed to increase distance between the pipeline workspace and a home.	This route deviation was not adopted, but it was replaced by another re-route which was adopted.	Yes
NY-DE-061.000	63.48	This deviation was developed to move route closer to property boundary.	Replaced by a new route deviation which was adopted.	Yes
NY-DE-061.000	63.48	This deviation was developed to move route closer to property boundary.	Replaced by a new route deviation which was adopted.	Yes

APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
NY-DE-052.000 NY-DE-053.000 NY-DE-054.000 NY-DE-055.000 NY-DE-056.000 NY-DE-057.000 NY-DE-058.000 NY-DE-059.000 NY-DE-060.000 NY-DE-061.000 NY-DE-062.000 NY-DE-065.000 NY-DE-066.000 NY-DE-067.000 UA-NY-DE-067.002 NY-DE-070.000 NY-DE-071.000 NY-DE-072.000	63.48	The route deviation moves the pipeline to the corner of one property, closer to the property boundary of another, avoids an environmental area of concern, and moves the workspace away from the Otsego County boundary line.	Adopted into Proposed Route.	Yes
NY-DE-061.000 NY-DE-067.000	63.48	This deviation was developed to move route closer to property boundary.	Replaced by a new route deviation which was adopted.	Yes
NY-DE-111.000	72.9	Landowner concerned about damage to a woodlot, wetlands, and stream on the property.	Pending**.**	No
NY-DE-124.001	75.35	This deviation was developed to move the pipeline along a property boundary.	This route deviation was not adopted. Constitution's land agents checked the deeds and confirmed that there is no mention of a conservation easement or conservancy in deed.	No
NY-DE-127.000 NY-DE-124.001 UA-NY-DE-127.001 NY-DE-129.000	75.4	Deviation developed to move route away from a future home location, an existing home location, and closer to a property boundary.	Replaced by a new route deviation.	Yes
NY-DE-127.000 NY-DE-124.001 UA-NY-DE-127.001 NY-DE-129.000	75.4	Deviation developed to move pipeline away from a future home location, an existing home location, and closer to a property boundary.	Adopted into the Proposed Route as replaced by another re-route.	Yes
NY-DE-129.000	76.3	This deviation was developed to move route closer to property boundaries.	This route deviation was not adopted, but was replaced by another re-route.	Yes
NY-DE-130.000	76.6	This deviation was developed to move the pipeline away from a future proposed home.	Adopted into the Proposed Route.	Yes

APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
NY-DE-137.000	77.2	Landowner concerned with proximity of pipeline to home (100 feet) and because the alignment cuts the property in half.	Pending**.**	No
NY-DE-138.000 UA-NY-DE-138.001	77.3	This deviation was developed to move pipeline further away from home and to minimize impacts on trees and a garden.	This route deviation was not adopted. Constitution determined that the Project alignment already achieved the greatest distance from the landowners home by not impacting landowner's trees.	No
NY-DE-149.001 UA-NY-DE-148.002 NY-DE-144.003	79.4	This deviation is one of a couple of options developed to increase distance between pipeline workspace and a home.	Adopted into the Proposed Route.	Yes
NY-DE-149.001	79.4	This deviation was developed to increase distance between pipeline workspace and a home.	This deviation was not adopted, but was replaced by another re-route.	Yes
NY-DE-191.000	85.2	This deviation was developed to straighten and shorten the route.	Adopted into the Proposed Route. Constitution will conduct further investigation to determine landowner resolution status.	Uncertain
NY-DE-199.000	86.6	Landowner concerned with proximity of pipeline to home (25-50 feet).	Pending**.**	No
NY-DE-204.000	88.1	This deviation was initially requested to move the pipeline away from a home. However, moving the route away from a home was not possible due to another home on the opposite side of the route. As a result, the adopted route does not improve on the home proximity issue but does improve on the adjacent creek crossing.	Replaced by a new route deviation.	Yes
NY-DE-208.000	89.0	This deviation was developed to further the distance from a home and to minimize tree removal on the property.	Adopted into the Proposed Route.	Yes

APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
NY-DE-226.000	90.8	This deviation was developed to avoid forested land.	This route deviation was not adopted. Constitution reviewed five proposed re-routes for this property submitted through the landowner and/or FERC. The proposed re-routes were not adopted for various reasons including: 1) the re-route followed a propane line with documented safety issues, added too many points of inflection to the line, and was located too close to a cemetery; 2) the re-route increased impact area on the property and located the pipeline through a wetland; 3) the re-route increased impact area on the property and included 90 degree angles that posed constructability issues; 4) the re-route followed the same propane line noted above and impacted 13 landowners versus 2 landowners; and 5) the re-route impacted 26 new landowners versus the one landowner of the subject property.	No
UA-NY-SC-004.000	93.9	This deviation was developed due to landowner request to reduce impacts on sugar bush and beech-maple forest.	Adopted into the Proposed Route.	Yes
NY-SC-045.000 NY-SC-047.000 NY-SC-049.000 NY-SC-048.000	100.2	This deviation was developed to move the route along forest lines.	This route deviation was not adopted due to increased forest and wetland impacts. Replaced by another re-route.	Yes
NY-SC-046.000 NY-SC-047.000 NY-SC-048.000 NY-SC-049.000 NY-SC-050.000 NY-SC-051.000	100.2	This deviation was developed to move route closer to property boundaries.	This route deviation was not adopted, but was replaced by another re-route.	Yes
NY-SC-044.000 NY-SC-045.000 NY-SC-046.000 NY-SC-047.000 NY-SC-048.000 NY-SC-049.000 NY-SC-050.000 UA-NY-SC-050.004 NY-SC-051.000	100.3	This deviation was developed to avoid a rock wall, house foundation, and property corner.	Adopted into the Proposed Route. Constitution representatives met with the landowner to discuss the landowner's plans for re-route.	Yes

APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
NY-SC-057.000	101.5	This deviation was developed to route away from homes and septic leech fields.	Replaced by a new route deviation.	Yes
NY-SC-061.000	101.8	A deviation was requested to address concerns with the pipeline route being adjacent to an organic garlic business and apiary (honey bees).	This route deviation was not adopted. After reviewing this property, Constitution determined the pipeline is routed through the landowner's northwestern property corner.	No
NY-SC-063.000	101.8	This deviation was developed to route the pipeline away from a home and oak trees.	This route deviation was not adopted, but was replaced by another re-route.	Yes
NY-SC-061.000 NY-SC-062.000 NY-SC-063.000 NY-SC-064.000	101.9	This deviation was developed to route further away from a home.	This route deviation was replaced by another route.	Yes
NY-SC-064.000 NY-SC-065.000	102.0	This deviation was developed to route the pipeline along a road and adjacent property line.	This route deviation was adopted.	Yes
ALT-O-NY-SC-007.000	111.0	This deviation was developed to route the pipeline to the southern property line.	This route deviation was not adopted, but was replaced by another deviation.	Yes
ALT-R-NY-SC-021.000 ALT-R-NY-SC-022.000 ALT-R-NY-SC-023.000 ALT-R-NY-SC-023.000 ALT-O-NY-SC-006.000 ALT-O-NY-SC-007.000 ALT-O-NY-SC-011.000	111.1	This deviation was developed to move the pipeline along a property boundary.	Adopted into Proposed Route. Determined at the time of review to hold off on an evaluation of a re-route until survey permission is granted by the landowner.	No
ALT-O-NY-SC-013.003	112.1	This deviation request was generated so that the route would not traverse the center of the property.	This route deviation was not adopted. Determined that Proposed Route does not cut the landowners property in half.	Yes
ALT-O-NY-SC-013.010 ALT-O-NY-SC-014.000	113.7	This deviation was developed to move the pipeline along a property boundary.	Adopted into the Proposed Route.	Yes
ALT-O-NY-SC-014.001	113.9	This deviation was developed to move the pipeline along a property boundary.	This route deviation was not adopted. Determined that the Proposed Route would not affect a future proposed home location.	No
ALT-O-NY-SC-015.000 **ALT-O-NY-SC-017.000** **ALT-O-NY-SC-022.000**	114.1, 115.0, and 115.6	The route could disrupt farming operations and make the landowner out of compliance with their agricultural permits.	Pending**.**	No

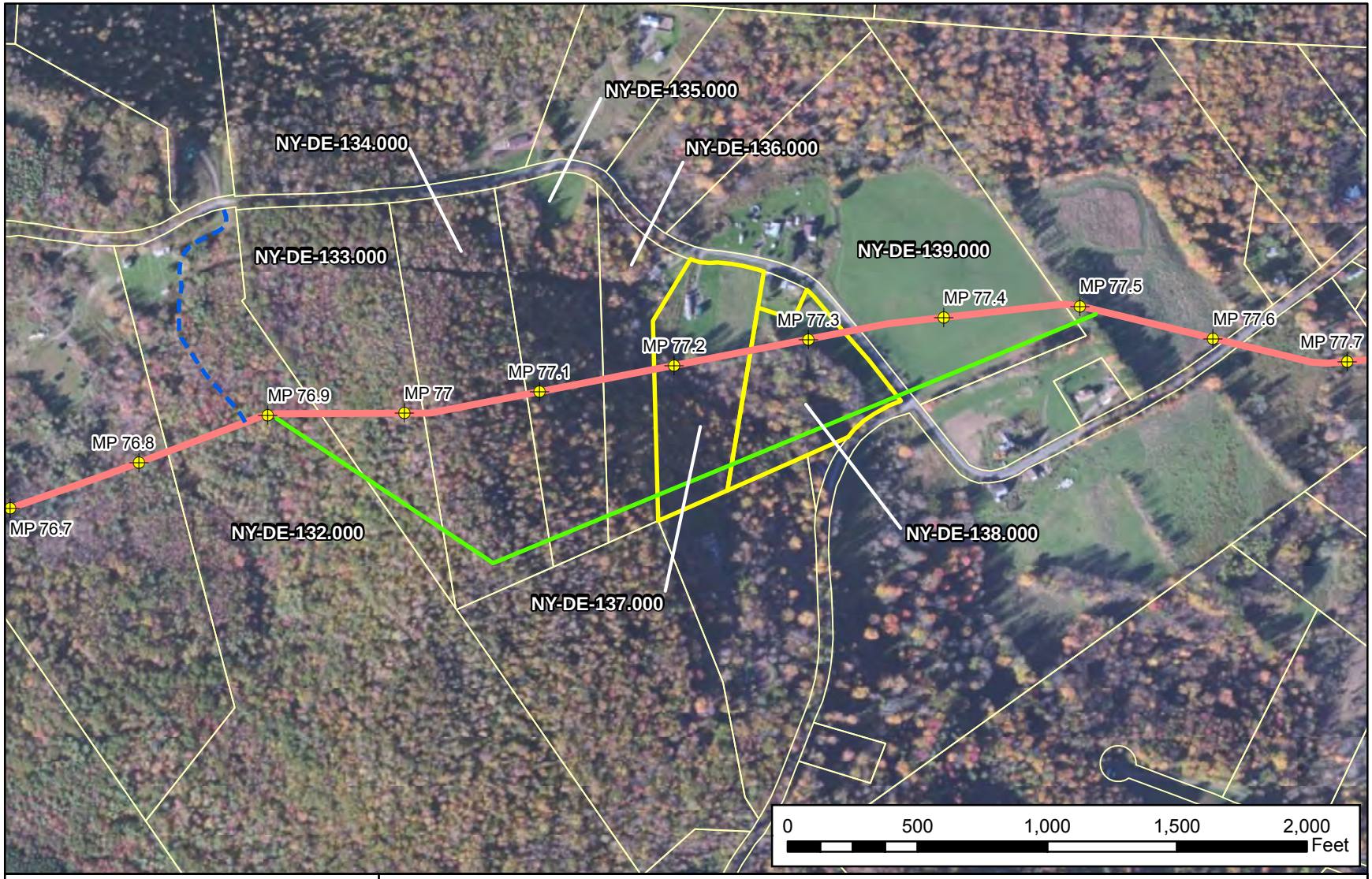
APPENDIX H-2 (continued)
Minor Route Variations Reported by Stakeholders Prior to Issuance of the Draft EIS

Land Parcel ID	MP	Requested Minor Route Deviation Description	Constitution Minor Route Deviation Status at the Time of the Draft EIS	Landowner Resolution at the Time of the draft EIS According to Constitution? (Yes/No)
ALT-O-UA-NY-SC-018.000	115.1	This deviation was developed to move pipeline away from a home.	Adopted into the Proposed Route. NYSDAM met Constitution field routers to help come up with this route.	Yes
ALT-Q-NY-SC-010.000 ALT-Q-NY-SC-011.000 ALT-Q-NY-SC-012.000	117.9	This deviation was developed to move the pipeline away from a future home location.	Adopted into the Proposed Route. Constitution's field routers confirmed future home location with the landowner.	Yes
ALT-Q-NY-SC-013.000	118.4	This deviation was developed to route further away from a pond.	Adopted into the Proposed Route.	Yes

For parcels noted in **bold** we requested in the draft EIS that Constitution provide additional information.

APPENDIX H-2A

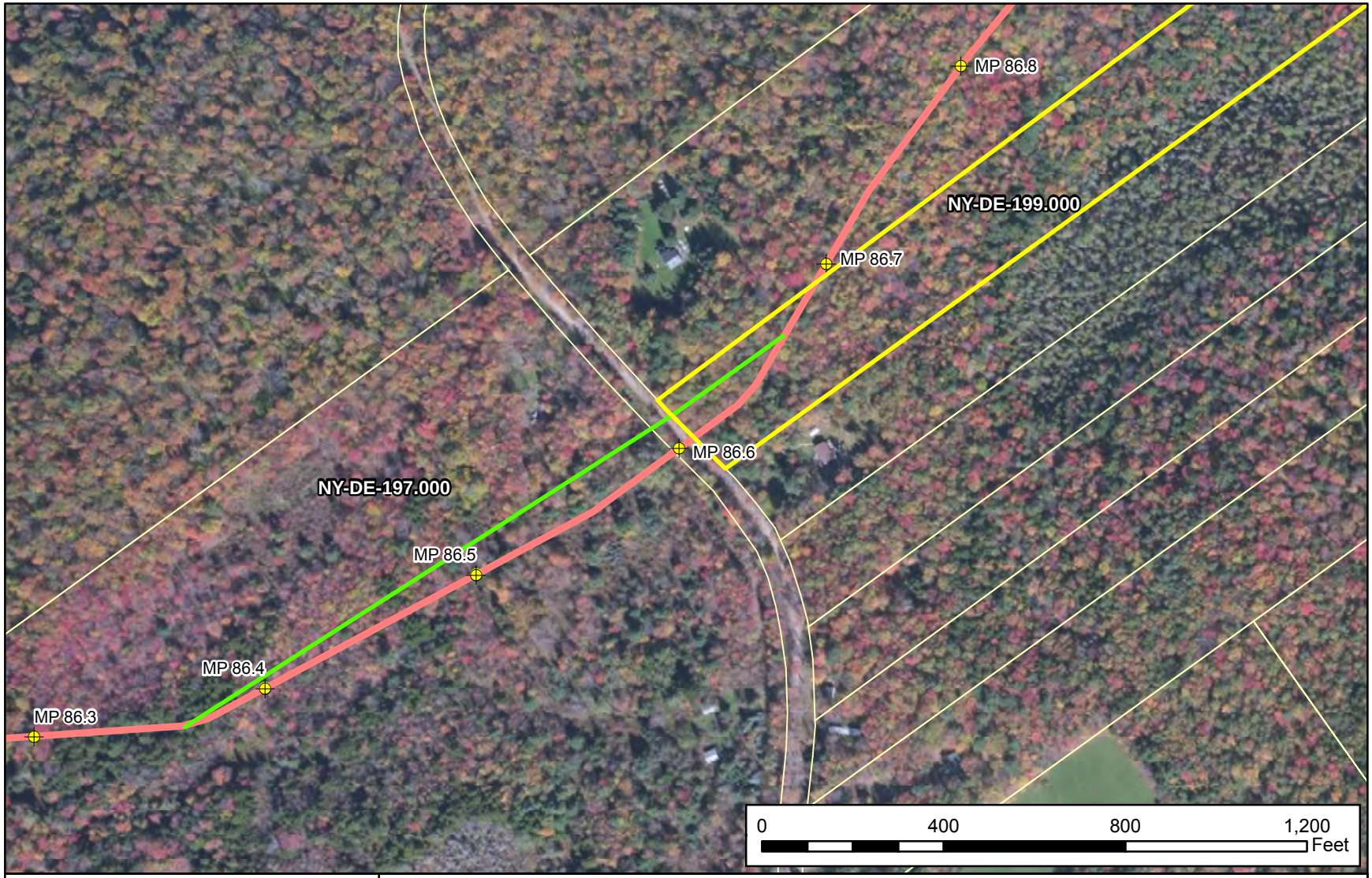
Maps of Minor Route Variations Recommended by the FERC Staff for Stakeholders for Issues Identified Prior to Issuance of the Draft EIS



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

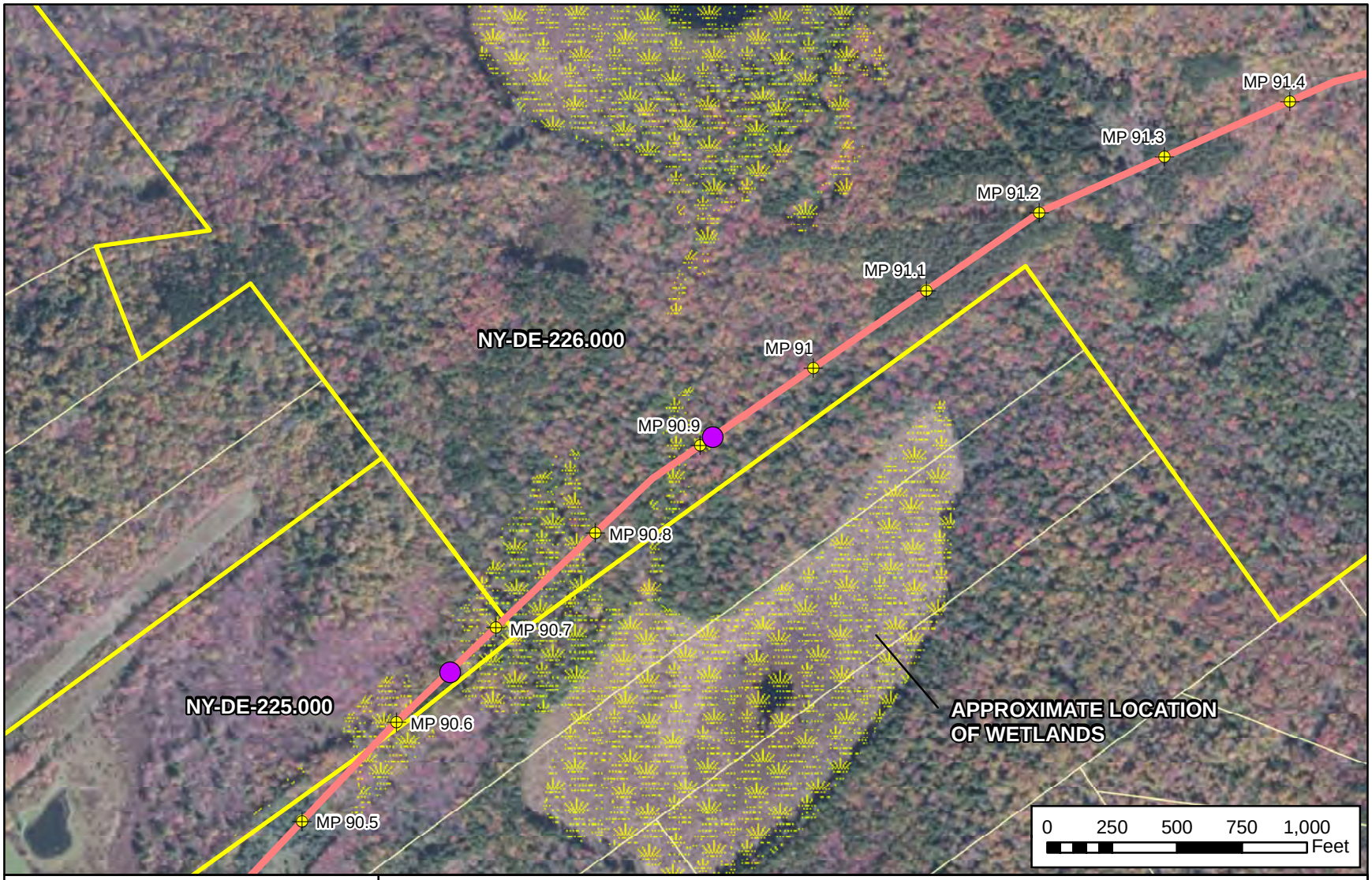
Appendix H-2A
Constitution Pipeline Project
Minor Route Deviation for Parcels
NY-DE-137.000 and NY-DE-138.000



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-2A
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-DE-199.000

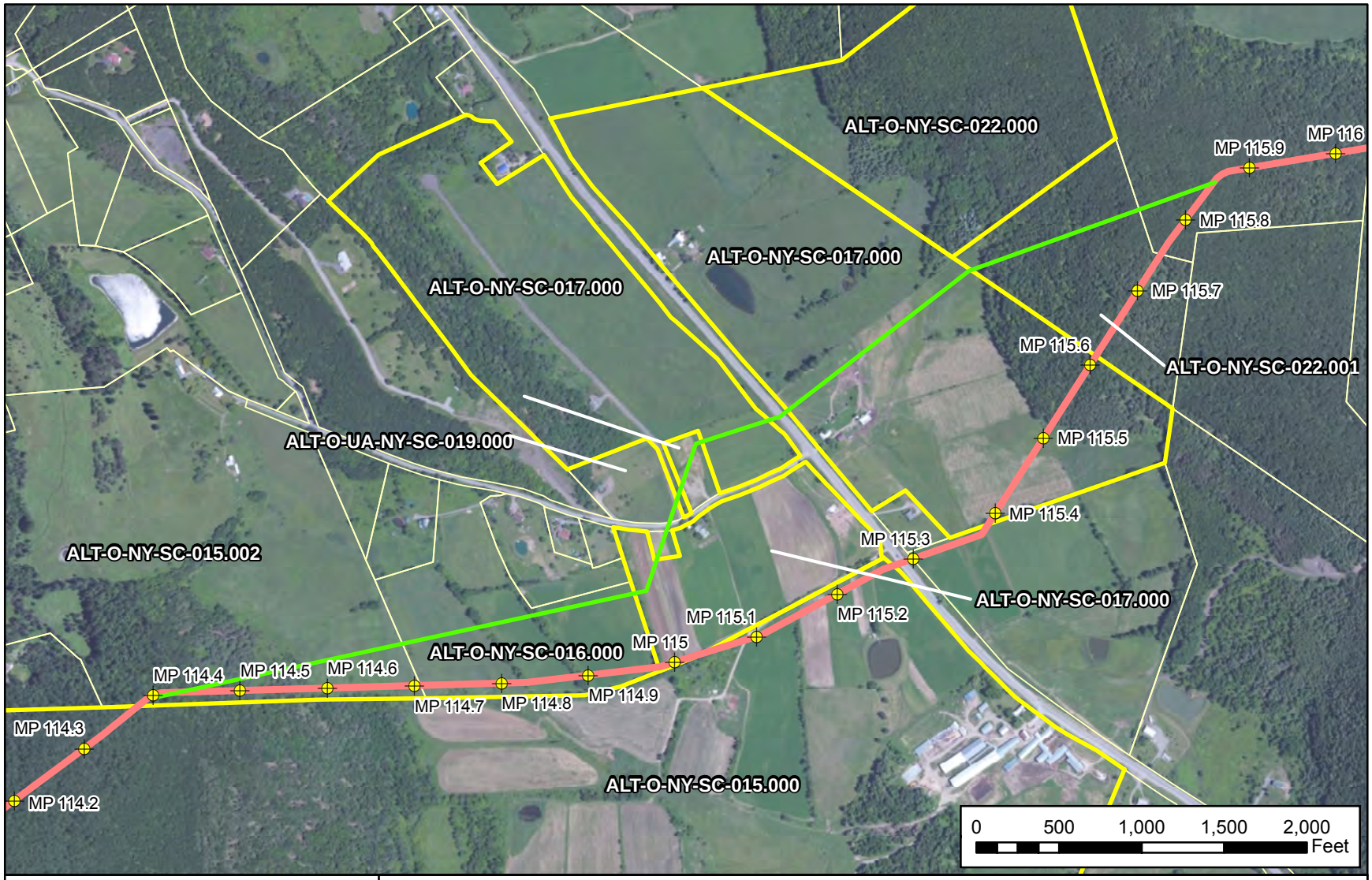


Mileposts
Permanent Access Road
Temporary Access Road
Proposed Pipeline
Direct Pipe Entry / Exit Points
Wetlands

N

Appendix H-2A
Constitution Pipeline Project

Location of Direct Pipe Entry and Exit Points for Wetlands at Parcels NY-DE-225.000 and NY-DE-226.000



Mileposts
Proposed Re-Route
Permanent Access Road
Temporary Access Road
Proposed Pipeline

N

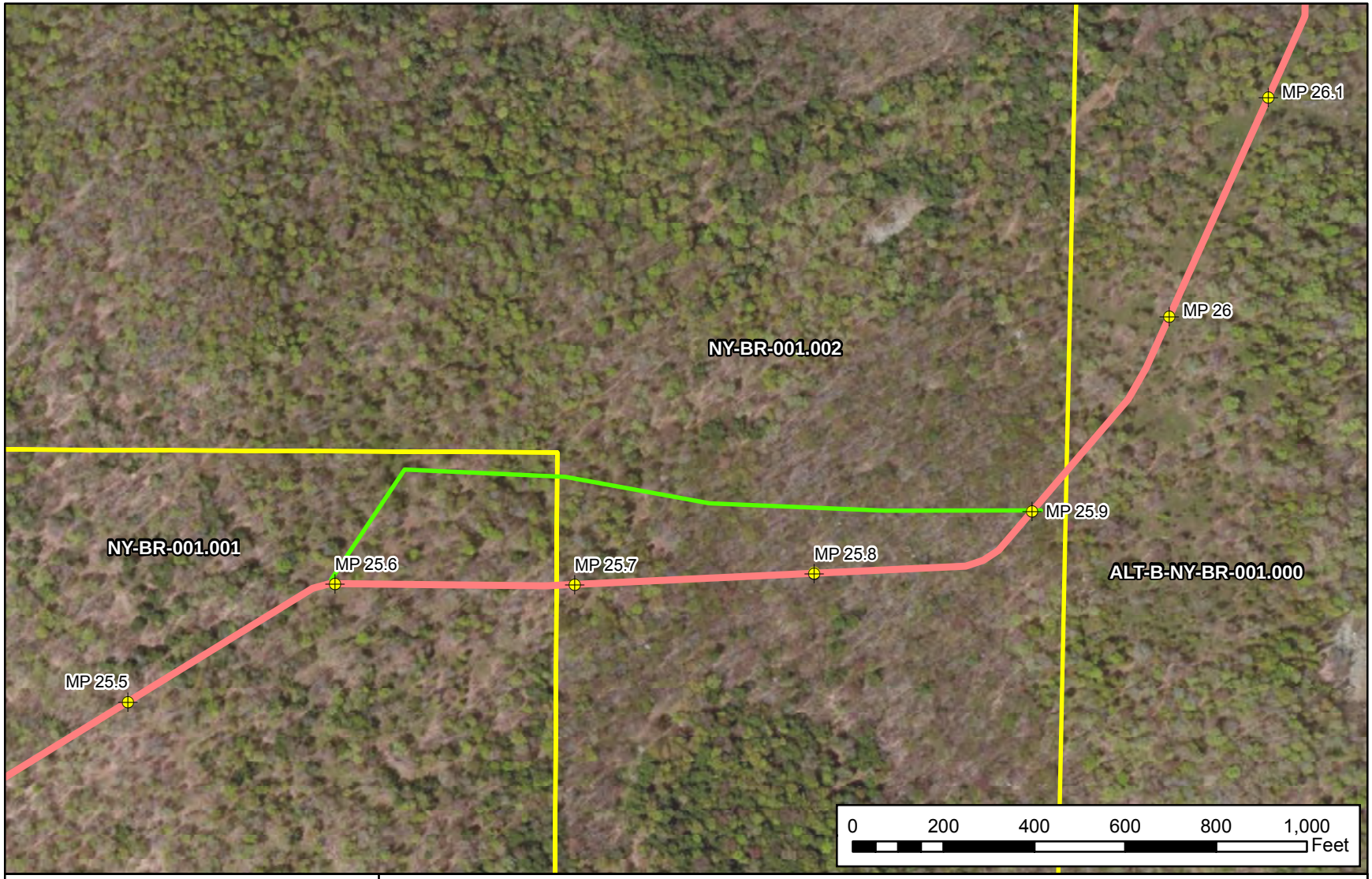
Appendix H-2A

Constitution Pipeline Project

Minor Route Deviation for Parcels
ALT-O-NY-SC-015.000, ALT-O-NY-SC-017.000,
and ALT-O-NY-SC-022.000

APPENDIX H-2B

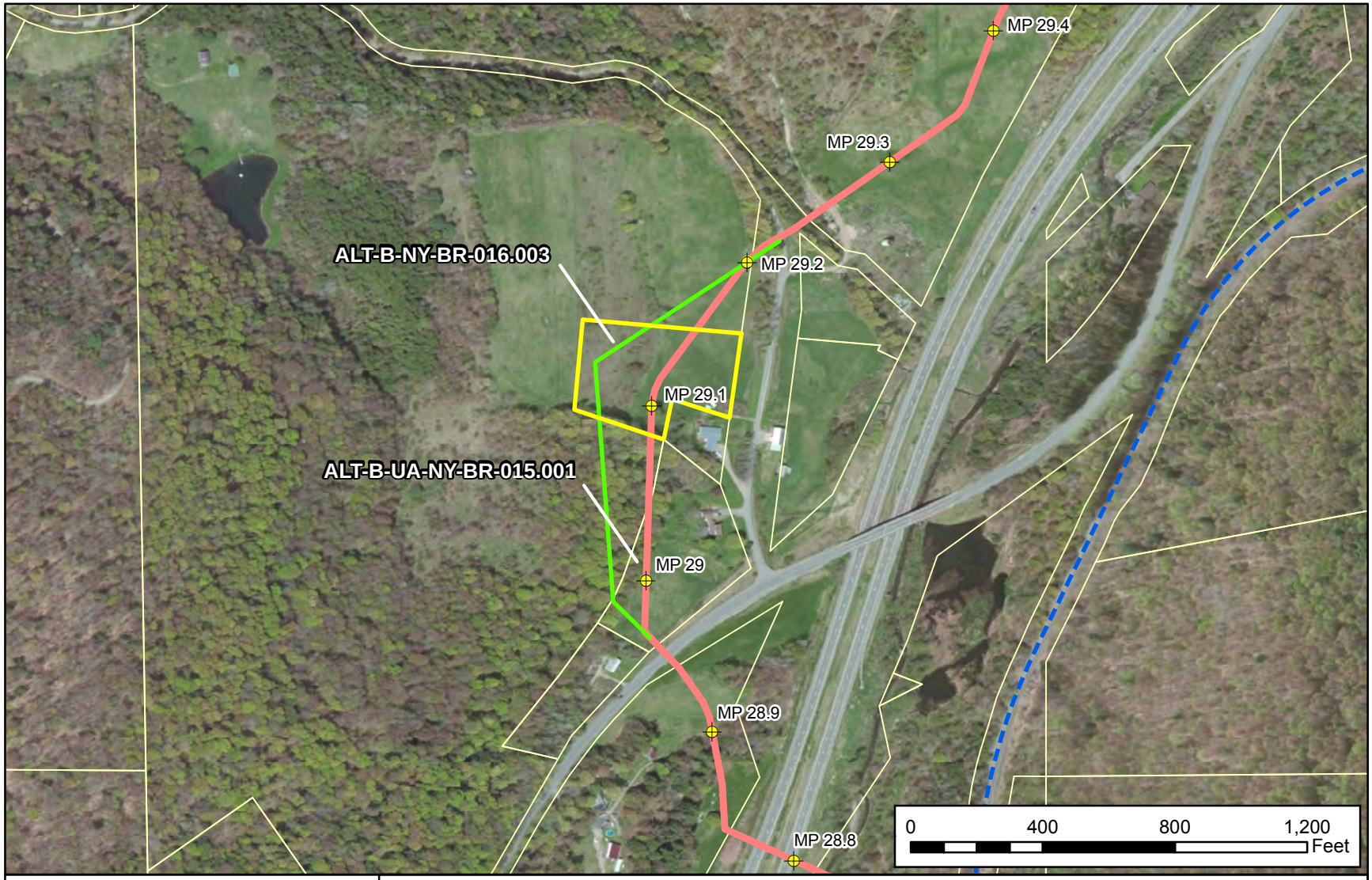
Maps of Minor Route Variations Recommended by the FERC Staff for Stakeholders for Issues Identified After Issuance of the Draft EIS



Mileposts
Proposed Re-Route
Permanent Access Road
Temporary Access Road
Proposed Pipeline

N

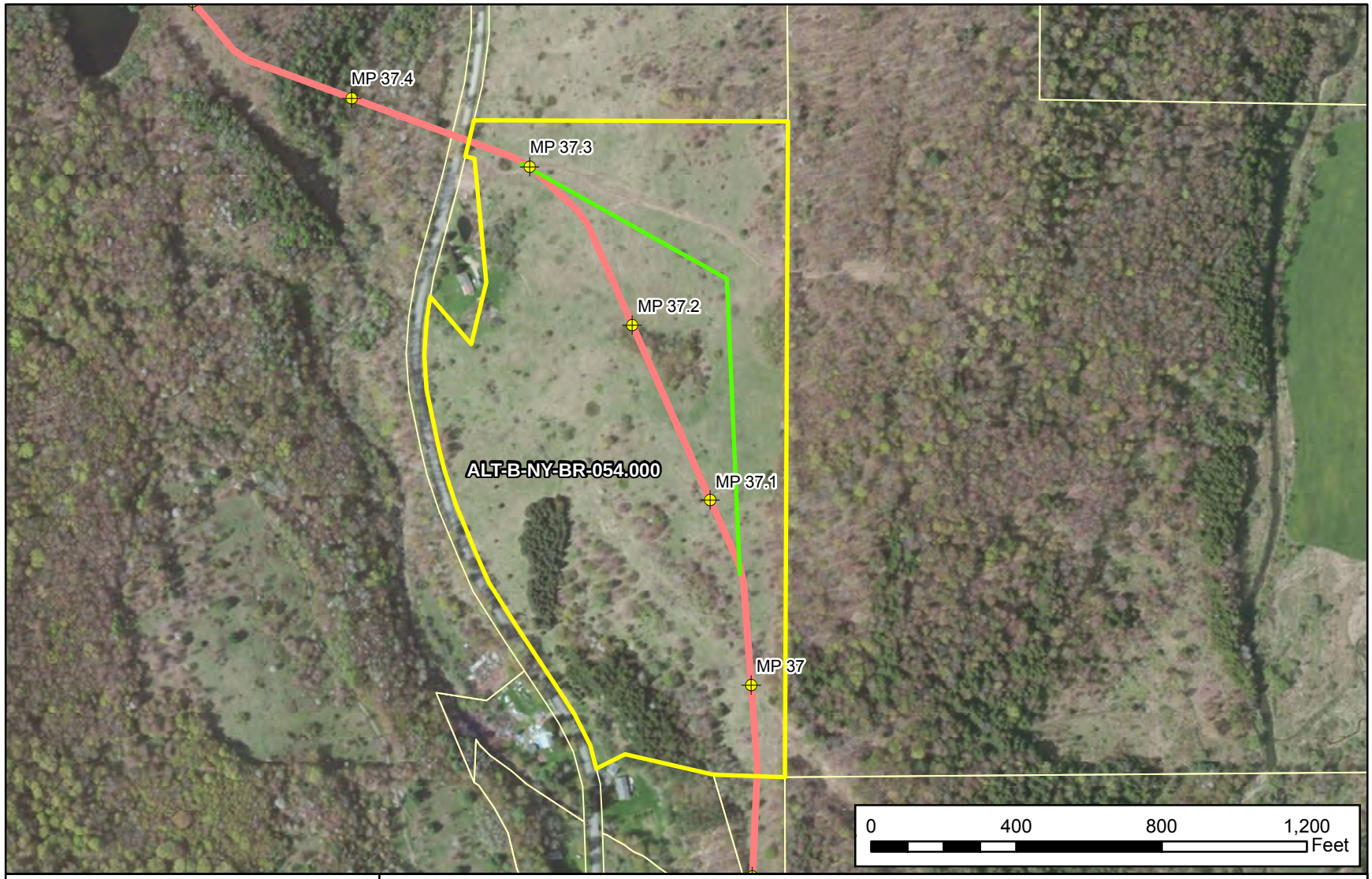
Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcels
NY-BR-001.002 and ALT-B-NY-BR-001.000



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-route
Proposed Pipeline

N

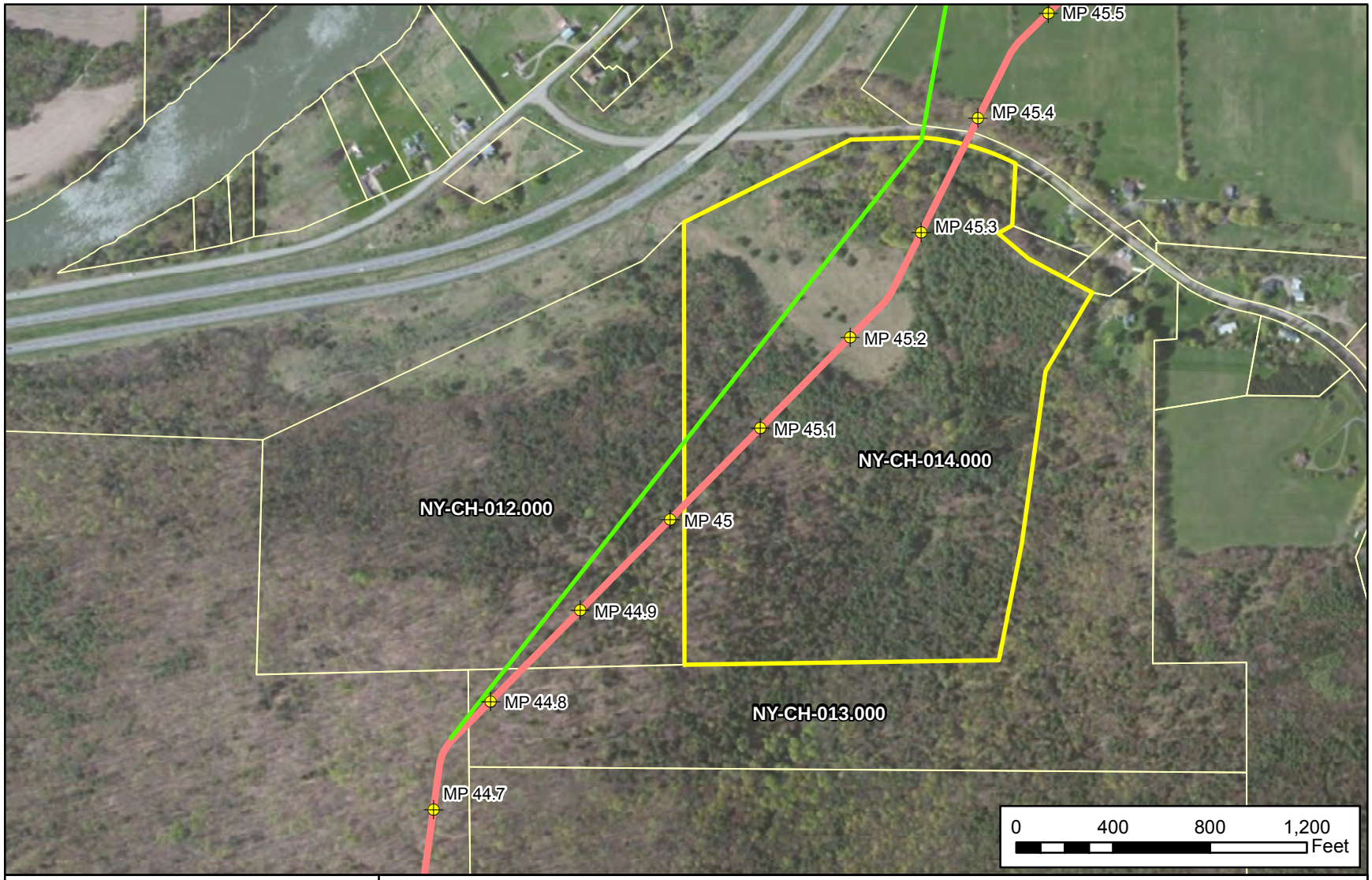
Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel ALT-B-NY-BR-016.003



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

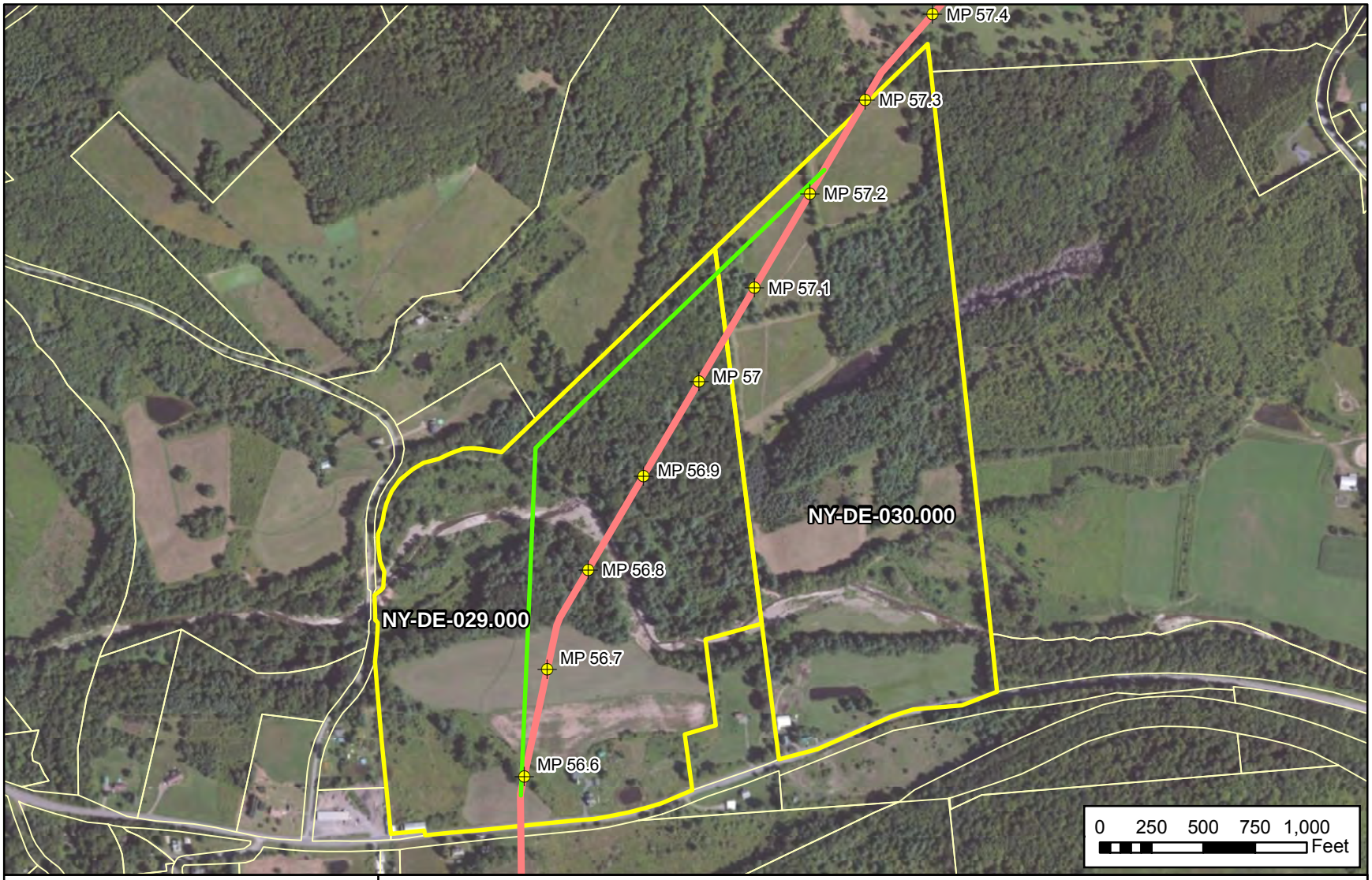
Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel ALT-B-NY-BR-054.000



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-CH-014.000
(See Also Appendix H-3A)

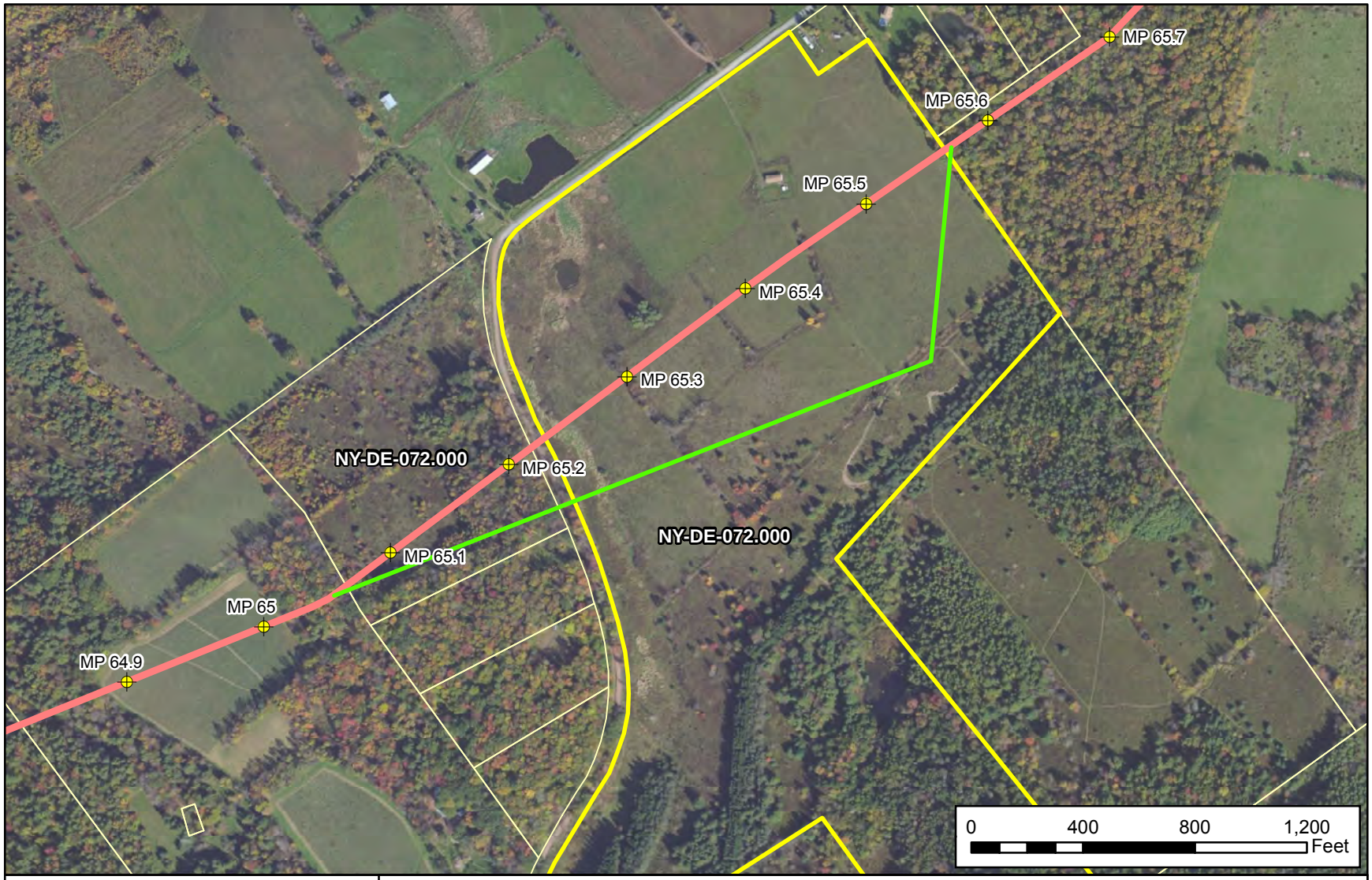


Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-2B
Constitution Pipeline Project

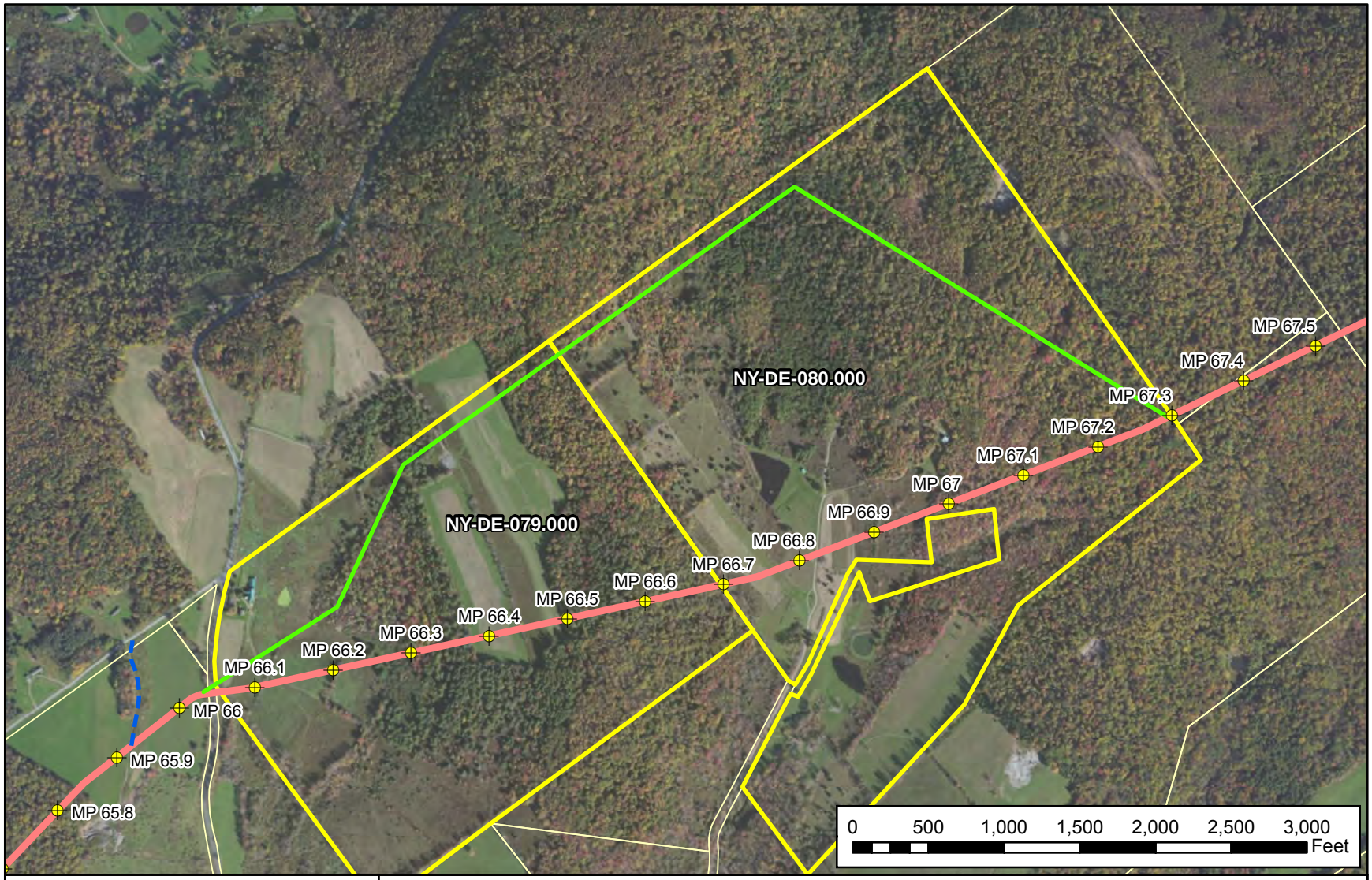
Minor Route Deviation for Parcels
NY-DE-029.000 and NY-DE-030.000



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

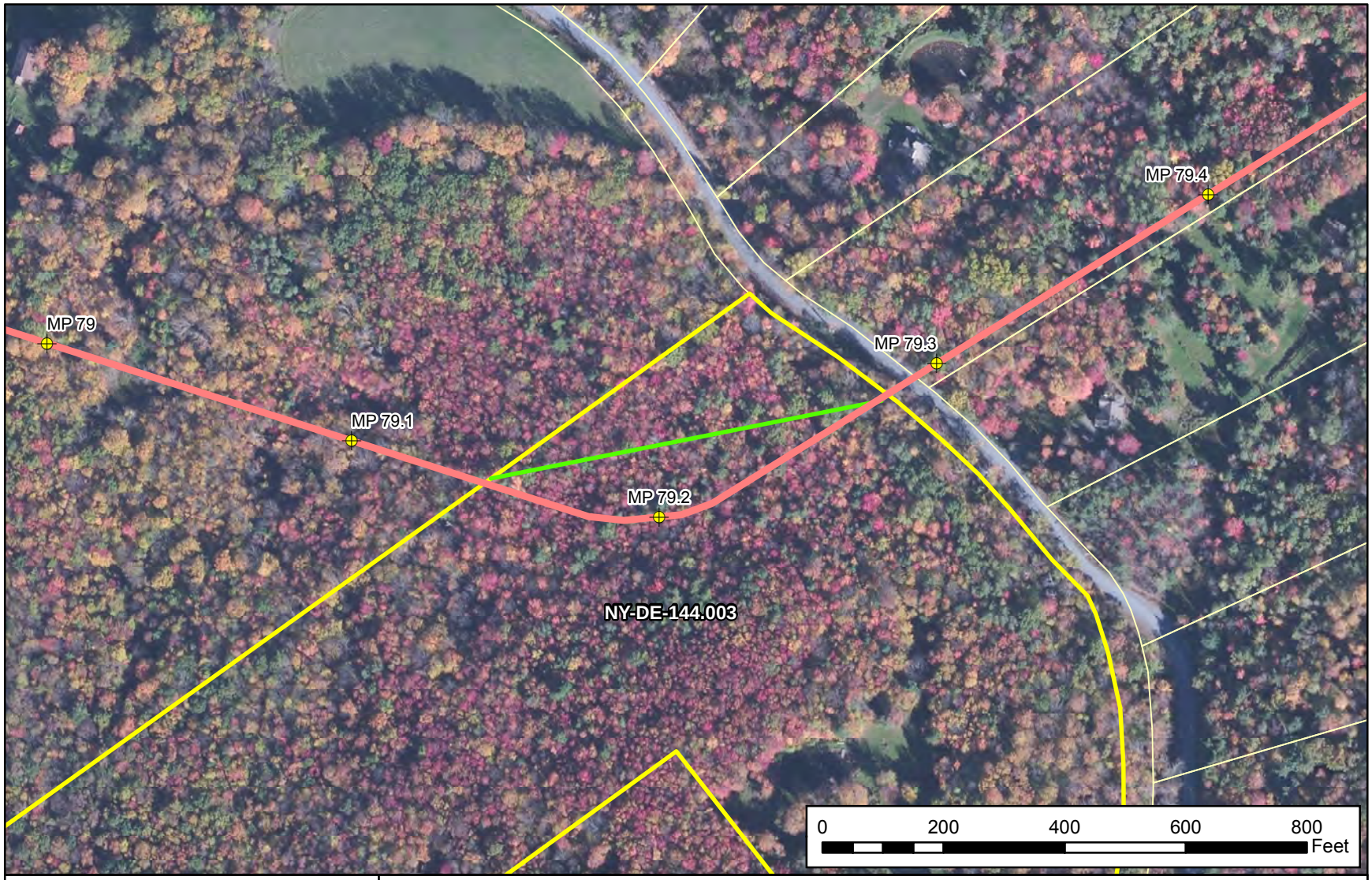
Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-DE-072.000



Mileposts
Proposed Re-Route
Permanent Access Road
Temporary Access Road
Proposed Pipeline

N

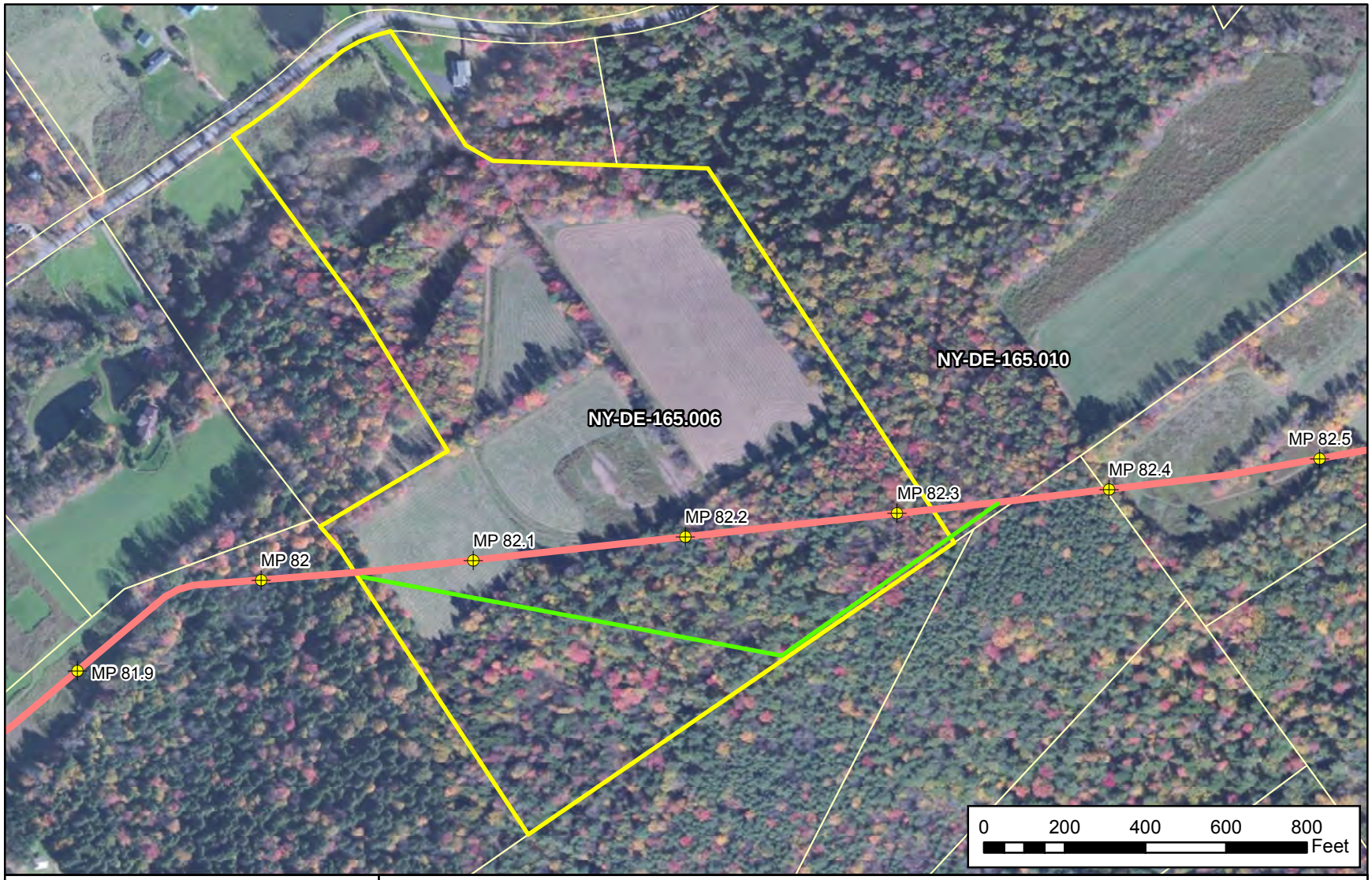
Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-DE-080.000



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-DE-144.003



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-2B
Constitution Pipeline Project
Minor Route Deviation for Parcel NY-DE-165.006

APPENDIX H-3

Minor Route Variations Assessed for Impacts on Agricultural Lands Prior to Issuance of the Draft EIS

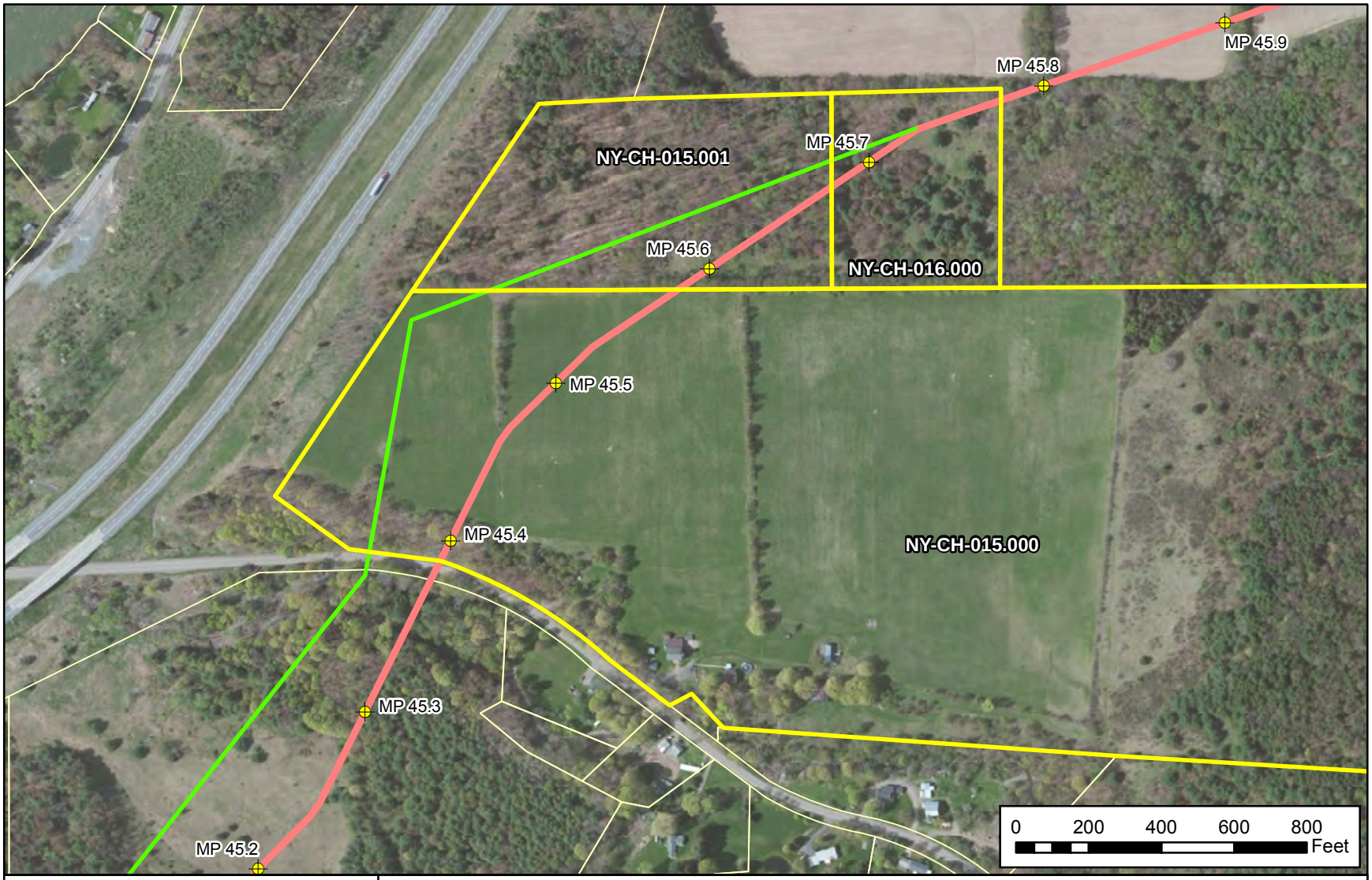
APPENDIX H-3
Minor Route Variations Assessed for Impacts on Agricultural Lands Prior to Issuance of the Draft EIS

Affected Parcel Numbers	MP	Reason for Minor Deviation	Status at the Time of the Draft EIS	NY Agriculture and Markets Resolution at the Time of the Draft EIS (Yes/No)
ALT-B-NY-BR-020.000	30.1	Deviation to minimize impact on farmland.	Opted into the Proposed Route. Constitution field router met with NYSDAM and landowner to develop re-route.	Yes
NY-CH-011.000 NY-CH-013.000 NY-CH-012.000 NY-CH-014.000 **UA-NY-CH-015.001** NY-CH-017.000	45.9	Deviation to minimize impact on farmland.	Replaced by a new route deviation.	Yes
NY-CH-011.000 NY-CH-013.000 NY-CH-012.000 NY-CH-014.000 **NY-CH-015.000** **UA-NY-CH-015.001** **NY-CH-016.000** NY-CH-017.000	46.5	Deviation to minimize impact on farmland.	Replaced by new route deviation. Constitution field router met with NYSDAM to develop re-route on landowners' property.	Yes
NY-DE-045.000 NY-DE-048.000 NY-DE-049.000 NY-DE-050.000	62.0	Deviation to minimize impacts on open fields.	Adopted into the Proposed Route. Re-route has been moved out of agricultural fields.	Yes
NY-DE-049.000 NY-DE-050.000 NY-DE-051.000	62.3.9	Deviation to minimize impact on farmland.	Replaced by a new route deviation. Constitution representatives met with landowners and NYSDAM on site to develop a re-route that would address both landowner concerns.	Yes
ALT-O-NY-SC-015.000 ALT-O-NY-SC-015.002 ALT-O-NY-SC-016.000 ALT-O-NY-SC-017.000 ALT-O-UA-NY-SC-017.001	115.1	Deviation to minimize impact on farmland.	Adopted into the Proposed Route. Constitution field router met with NYSDAM to develop re-route on landowners' property. However, note condition above for route variations reported to the FERC.	Yes according to Constitution, but note condition above for route variations reported to the FERC.
NY-SC-156.000 **NY-SC-152.000** **NY-SC-160.000** ALT-Q-NY-SC-001.000 ALT-Q-NY-SC-002.000 ALT-Q-UA-NY-SC-004.000 ALT-Q-NY-SC-005.000 ALT-Q-NY-SC-006.000	116.4	Deviation to minimize impact on farmland; a re-route was already considered and approved for this landowner.	The route deviation was not adopted, but a re-route was developed already to address farmland (maple sugar tree operation) impacts.	Yes

For parcels noted in **bold** we requested in the draft EIS that Constitution provide additional information.

APPENDIX H-3A

Maps of Minor Route Variations Recommended by the FERC Staff for Agricultural Lands



Mileposts
Permanent Access Road
Temporary Access Road
Proposed Re-Route
Proposed Pipeline

N

Appendix H-3A

Constitution Pipeline Project

Minor Route Deviation for Parcels NY-CH-015.000, UA-NY-CH-015.001, and NY-CH-016.000

(See Also Appendix H-2B)

APPENDIX I

Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project

APPENDIX I
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
Pennsylvania		
0.0	0.0	0.0
1.2	1.3	0.1
1.3	1.4	0.2
1.4	1.6	0.1
1.6	1.6	0.0
2.5	2.6	0.1
2.7	2.8	0.1
2.8	2.8	0.0
2.8	3.0	0.1
3.5	3.8	0.3
3.8	3.9	0.1
3.9	3.9	0.0
4.0	4.0	0.0
4.1	4.2	0.1
4.2	4.3	0.1
5.1	5.2	0.2
5.2	5.4	0.2
6.0	6.1	0.1
6.1	6.1	0.1
6.1	6.3	0.2
6.3	6.3	0.1
6.3	6.5	0.2
6.5	6.6	0.1
6.6	6.6	0.0
6.6	6.6	0.1
7.3	7.4	0.1
7.4	7.5	0.1
7.5	7.6	0.1
8.0	8.1	0.1
8.1	8.1	0.1
8.1	8.2	0.1
8.2	8.3	0.1
8.4	8.6	0.1
8.6	8.6	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
8.6	8.7	0.1
9.3	9.4	0.1
9.4	9.5	0.1
9.5	9.6	0.1
9.6	9.6	0.0
9.6	9.6	0.1
9.6	9.7	0.0
9.7	9.8	0.1
9.8	9.8	0.0
10.3	10.4	0.1
10.4	10.6	0.2
11.5	11.6	0.1
12.1	12.2	0.1
12.2	12.2	0.0
12.2	12.3	0.1
12.4	12.5	0.0
12.5	12.5	0.1
12.5	12.6	0.1
12.6	12.7	0.0
13.0	13.2	0.2
13.2	13.4	0.2
13.4	13.5	0.1
13.6	13.7	0.1
13.7	13.8	0.1
13.8	13.9	0.1
13.9	13.9	0.0
13.9	13.9	0.0
14.2	14.2	0.1
14.5	14.5	0.1
14.5	14.6	0.1
15.7	15.7	0.1
15.8	15.8	0.1
16.0	16.0	0.0
16.0	16.1	0.1
16.1	16.1	0.0
16.1	16.2	0.0

APPENDIX I (continued) Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]		
Start Milepost	**End Milepost**	**Distance (miles)[b]**
16.2	16.2	0.1
16.2	16.3	0.1
17.2	17.4	0.1
17.4	17.4	0.1
17.4	17.5	0.1
18.1	18.2	0.1
18.2	18.3	0.1
18.3	18.7	0.4
19.0	19.1	0.1
19.1	19.1	0.1
19.1	19.2	0.1
19.2	19.5	0.3
19.5	19.6	0.0
19.6	19.6	0.0
19.6	19.7	0.1
20.2	20.2	0.1
20.2	20.3	0.1
20.3	20.4	0.1
20.5	20.6	0.1
22.0	22.2	0.2
22.8	22.9	0.1
22.9	23.0	0.1
	Pennsylvania Subtotal	**8.1**
New York		
25.3	25.8	0.4
25.9	26.2	0.3
26.2	26.3	0.0
26.7	26.9	0.2
27.0	27.2	0.2
27.9	28.0	0.1
28.0	28.1	0.1
28.1	28.1	0.0
29.9	30.0	0.1
30.0	30.1	0.1
30.1	30.2	0.1
30.2	30.2	0.0

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
30.2	30.2	0.1
30.2	30.3	0.1
31.1	31.7	0.6
32.1	32.5	0.4
32.5	32.6	0.1
35.3	35.3	0.1
35.8	35.9	0.1
37.3	37.3	0.0
42.2	42.2	0.0
42.2	42.2	0.0
44.2	44.9	0.7
44.9	45.1	0.2
46.9	46.9	0.1
46.9	47.0	0.1
47.0	47.2	0.2
48.2	48.3	0.0
48.3	48.3	0.0
48.3	48.3	0.1
48.3	48.5	0.1
48.5	48.7	0.3
48.7	48.8	0.1
48.8	48.9	0.1
48.9	49.2	0.3
49.2	49.3	0.1
49.3	49.4	0.2
49.4	49.5	0.1
49.5	49.6	0.0
49.6	49.6	0.0
50.2	50.3	0.1
50.3	50.5	0.2
50.5	50.5	0.0
50.5	50.5	0.1
50.5	50.6	0.0
50.6	50.8	0.2
51.3	51.4	0.1
51.4	51.5	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
51.5	51.5	0.0
51.5	51.5	0.0
51.7	51.8	0.1
51.9	52.0	0.1
52.0	52.1	0.1
52.1	52.3	0.3
52.6	52.6	0.0
52.7	53.0	0.3
53.0	53.1	0.1
53.1	53.2	0.1
53.2	53.4	0.3
53.4	53.5	0.0
54.0	54.1	0.1
54.1	54.1	0.0
54.1	54.2	0.1
54.2	54.3	0.1
54.7	54.9	0.2
54.9	55.0	0.1
55.0	55.1	0.0
55.1	55.2	0.1
55.2	55.2	0.1
55.2	55.3	0.1
55.3	55.3	0.0
55.3	55.4	0.1
57.3	57.3	0.1
57.3	57.4	0.1
57.4	57.6	0.2
57.6	57.7	0.1
60.1	60.2	0.2
60.2	60.3	0.1
60.3	60.4	0.1
60.4	60.5	0.1
60.5	60.6	0.1
61.7	61.8	0.0
61.8	61.9	0.2
62.6	62.8	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
62.8	62.8	0.1
62.8	62.9	0.1
62.9	63.0	0.1
63.3	63.4	0.0
63.4	63.4	0.0
63.4	63.5	0.1
63.5	63.5	0.0
64.2	64.3	0.1
64.3	64.4	0.1
64.4	64.5	0.1
64.5	64.5	0.1
65.0	65.1	0.1
65.1	65.1	0.0
65.8	66.0	0.2
66.0	66.0	0.1
67.2	67.3	0.1
67.3	67.4	0.1
67.7	67.8	0.2
67.9	68.0	0.1
68.0	68.1	0.1
68.1	68.2	0.1
68.4	68.5	0.1
68.5	68.6	0.1
68.6	68.7	0.1
68.7	68.7	0.0
70.4	70.5	0.1
70.5	70.7	0.1
70.7	70.8	0.1
71.0	71.4	0.4
71.4	71.5	0.1
72.0	72.1	0.1
72.1	72.1	0.1
72.1	72.2	0.1
72.2	72.2	0.1
72.2	72.3	0.1
72.3	72.6	0.2

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
72.6	72.8	0.2
73.0	73.0	0.0
73.0	73.1	0.1
73.1	73.1	0.0
73.1	73.2	0.1
73.2	73.2	0.1
73.2	73.3	0.0
73.7	73.9	0.1
73.9	74.0	0.1
74.0	74.1	0.1
74.1	74.2	0.2
74.5	74.8	0.4
75.0	75.1	0.1
75.4	75.5	0.1
75.5	75.5	0.1
75.5	75.6	0.1
75.6	75.7	0.1
75.7	75.8	0.1
76.0	76.1	0.1
76.1	76.2	0.1
76.8	77.0	0.1
77.0	77.0	0.1
77.0	77.1	0.1
77.1	77.2	0.0
77.2	77.3	0.1
78.7	78.8	0.1
78.8	78.9	0.1
78.9	79.0	0.1
79.5	79.7	0.2
79.7	79.8	0.2
80.0	80.1	0.1
80.1	80.2	0.1
81.0	81.1	0.1
81.1	81.2	0.1
81.2	81.3	0.1
81.3	81.5	0.2

APPENDIX I (continued) Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]		
Start Milepost	**End Milepost**	**Distance (miles)[b]**
82.4	82.4	0.0
82.4	82.6	0.3
82.9	83.1	0.2
83.5	83.5	0.0
83.5	83.7	0.1
83.7	83.7	0.0
83.7	83.7	0.0
83.7	83.8	0.1
83.8	83.9	0.1
83.9	84.0	0.2
84.0	84.3	0.2
84.3	84.4	0.1
84.4	84.4	0.1
84.8	84.9	0.0
84.9	84.9	0.0
84.9	84.9	0.0
86.2	86.3	0.1
86.3	86.4	0.1
86.7	86.9	0.1
86.9	86.9	0.0
86.9	86.9	0.0
86.9	87.3	0.4
87.3	87.4	0.1
87.4	87.5	0.1
88.8	89.2	0.4
89.2	89.4	0.2
89.4	89.8	0.3
91.2	91.5	0.3
91.5	91.6	0.2
91.7	91.8	0.1
91.9	92.1	0.1
92.1	92.2	0.1
92.2	92.2	0.1
92.5	92.6	0.2
92.6	92.9	0.2
92.9	93.0	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
93.0	93.2	0.3
93.2	93.3	0.1
93.4	93.5	0.2
94.1	94.2	0.0
94.2	94.2	0.1
94.2	94.4	0.1
94.4	94.4	0.1
94.4	94.5	0.1
94.5	94.5	0.0
94.5	94.5	0.0
95.7	95.8	0.1
95.8	95.9	0.1
95.9	96.1	0.2
96.1	96.2	0.0
96.3	96.4	0.2
96.4	96.5	0.0
96.5	96.6	0.1
96.6	96.6	0.1
96.6	96.6	0.0
96.6	96.7	0.0
96.7	96.8	0.1
96.8	96.8	0.1
97.1	97.1	0.1
97.2	97.2	0.0
97.2	97.3	0.1
97.3	97.3	0.0
97.3	97.4	0.1
97.6	97.6	0.0
97.6	97.7	0.1
97.7	97.7	0.0
97.8	98.5	0.7
98.5	98.5	0.0
98.5	98.5	0.0
98.6	98.6	0.1
99.1	99.3	0.2
99.3	99.4	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
99.4	99.4	0.0
99.4	99.5	0.1
99.5	99.9	0.4
99.9	100.1	0.2
100.1	100.2	0.1
100.2	100.3	0.1
100.3	100.3	0.1
100.7	100.7	0.0
100.7	100.8	0.0
100.8	100.8	0.0
100.8	100.8	0.0
100.8	100.8	0.0
100.8	100.9	0.1
101.2	101.4	0.2
101.7	101.8	0.1
101.8	101.9	0.1
101.9	102.0	0.0
102.0	102.0	0.0
102.0	102.0	0.0
102.0	102.1	0.0
102.1	102.2	0.1
102.2	102.3	0.0
102.3	102.3	0.1
102.5	102.6	0.0
102.6	102.8	0.2
102.8	102.9	0.2
103.0	104.1	1.0
104.1	104.1	0.1
104.5	104.6	0.1
104.8	104.8	0.0
105.0	105.0	0.0
105.0	105.1	0.1
105.1	105.2	0.1
105.2	105.2	0.0
105.2	105.2	0.0
105.2	105.3	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
105.3	105.5	0.2
105.5	105.7	0.3
106.0	106.1	0.1
106.1	106.6	0.5
107.2	107.3	0.1
107.3	107.4	0.1
107.4	107.5	0.1
107.5	107.5	0.1
107.5	107.5	0.0
107.5	107.6	0.1
107.6	107.6	0.0
107.6	107.7	0.1
107.7	107.8	0.1
107.8	107.9	0.1
108.3	108.4	0.1
108.4	108.6	0.2
108.7	108.7	0.0
108.7	109.0	0.3
109.0	109.2	0.2
109.2	109.2	0.0
109.2	109.3	0.1
109.5	109.5	0.0
109.7	109.9	0.2
109.9	110.0	0.1
110.0	110.1	0.1
110.2	110.3	0.1
110.3	110.4	0.1
110.4	110.5	0.0
110.8	110.9	0.1
110.9	111.0	0.1
111.0	111.0	0.1
111.0	111.0	0.0
111.0	111.3	0.2
111.7	111.7	0.1
111.7	111.8	0.1
111.8	111.9	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
111.9	112.0	0.1
112.5	112.7	0.1
112.7	112.7	0.0
112.7	112.7	0.0
112.7	112.7	0.0
112.8	112.9	0.1
112.9	113.3	0.4
113.9	114.0	0.1
114.0	114.0	0.1
114.0	114.0	0.0
114.0	114.4	0.4
114.4	114.6	0.1
114.6	114.6	0.1
115.5	115.5	0.0
115.5	115.5	0.0
115.5	115.6	0.1
115.6	115.6	0.0
115.6	115.7	0.0
115.7	115.7	0.0
115.7	115.8	0.1
115.8	115.9	0.1
115.9	116.0	0.1
116.0	116.0	0.0
116.0	116.3	0.3
116.3	116.3	0.1
116.7	116.7	0.1
117.5	117.5	0.0
117.6	118.3	0.8
118.4	118.4	0.0
118.5	118.6	0.1
118.6	118.6	0.0
118.6	119.0	0.4
119.0	119.0	0.0
119.0	119.1	0.0
119.1	119.1	0.1
119.1	119.2	0.1

APPENDIX I (continued)
Areas of Shallow Depth to Bedrock Crossed by the Constitution Pipeline Project[a]

Start Milepost	End Milepost	Distance (miles)[b]
119.2	119.2	0.0
121.8	121.9	0.2
121.9	122.0	0.0
122.0	122.0	0.0
123.9	124.1	0.1
124.1	124.1	0.1
124.1	124.1	0.0
124.1	124.4	0.3
	New York Subtotal	**37.4**
	Project Total	**45.4**

Totals may not sum correctly due to rounding.

Source: Constitution's review of NRCS information and SSURGO Database for soils crossed by the centerline where depth to lithic bedrock is less than 60 inches.

[a] Based on Constitution's review of Natural Resource Conservation Service (NRCS) Soil Survey Geographic Database (SSURGO).

[b] If the length crossed is a distance less than 6 feet the number stated is represented by 0.00 miles.

APPENDIX J

Soil Limitations Crossed by the Constitution Pipeline Project

APPENDIX J-1

Potential Soil Limitations Crossed by the Constitution Pipeline Project

APPENDIX J-1
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
PENNSYLVANIA													
Susquehanna													
WsB	0.0	0.1	<0.1		--	--	--	--	--	--	--	--	--
MsB	0.1	0.2	0.1		--	--	--	--	--	--	--	--	--
WsB	0.2	0.2	0.1		--	--	--	--	--	--	--	--	--
WeC2	0.2	0.4	0.2		--	--	--	--	--	--	--	--	1.0
MoB2	0.4	0.4	0.1		--	--	--	--	--	--	--	--	1.2
WeC2	0.4	0.4	<0.1		--	--	--	--	--	--	--	--	1.0
MoB2	0.4	0.5	0.1		--	--	--	--	--	--	--	--	1.2
WeC2	0.5	0.6	0.1		--	--	--	--	--	--	--	--	0.5
MoB2	0.6	0.7	0.1		--	--	--	--	--	--	--	--	1.2
WeC2	0.7	0.8	0.1		--	--	--	--	--	--	--	--	0.6
WsD	0.8	0.8	0.1		--	--	--	--	--	--	--	--	--
WlD2	0.8	0.9	0.1		--	--	--	--	--	--	--	--	--
MrC2	0.9	0.9	<0.1		--	--	--	--	--	--	--	--	0.1
MfD2	0.9	1.0	<0.1		--	--	--	--	--	--	--	--	--
VfC	1.0	1.0	0.1		--	--	--	--	--	--	--	--	0.4
VfB	1.0	1.1	<0.1		--	--	--	--	--	--	--	--	0.1
Wy	1.1	1.1	0.1		--	--	--	--	--	--	0.4	0.4	--
MsB	1.1	1.1	<0.1		--	--	--	--	--	--	--	--	--
LgD	1.1	1.2	0.1		--	--	--	--	--	--	--	--	--
LsF	1.2	1.3	0.1		0.3	--	--	0.3	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsB	1.3	1.4	0.2		--	--	--	1.0	--	--	--	--	--
LsD	1.4	1.6	0.1		--	--	--	0.8	--	--	--	--	--
LoB	1.6	1.6	<0.1		--	--	--	0.2	--	--	--	--	0.2
MfC2	1.6	1.7	0.1		--	--	--	--	--	--	--	--	0.7
LaB2	1.7	1.7	0.1	PAR1	--	--	--	--	--	--	--	--	0.5
LkC2	1.7	1.7	0.1	PAR1	--	--	--	0.4	--	--	--	--	0.4
LoB	1.7	1.7	0.2	PAR1	--	--	--	0.8	--	--	--	--	0.8
LoC2	1.7	1.7	0.1	PAR1	--	--	--	0.4	--	--	--	--	0.4
LsB	1.7	1.7	0.2	PAR1	--	--	--	0.9	--	--	--	--	--
LsD	1.7	1.7	0.1	PAR1	--	--	--	0.6	--	--	--	--	--
MfC2	1.7	1.7	0.4	PAR1	--	--	--	--	--	--	--	--	0.7
VcB2	1.7	1.7	<0.1	PAR1	--	--	--	--	--	--	--	--	0.0
VsB	1.7	1.7	<0.1	PAR1	--	--	--	--	--	--	--	--	--
VsB	1.7	1.8	0.1		--	--	--	--	--	--	--	--	--
WlB2	1.8	1.9	0.1		--	--	--	--	--	--	--	--	0.5
LgB	1.9	1.9	<0.1		--	--	--	--	--	--	--	--	--
WeB2	1.9	2.0	0.1		--	--	--	--	--	--	--	--	0.4
LgD	2.0	2.0	0.1		--	--	--	--	--	--	--	--	--
LaC2	2.0	2.1	0.1		--	--	--	--	--	--	--	--	0.4
WeC2	2.1	2.1	<0.1		--	--	--	--	--	--	--	--	0.6
MoB2	2.1	2.2	<0.1		--	--	--	--	--	--	--	--	0.5
WeC2	2.2	2.2	0.1		--	--	--	--	--	--	--	--	0.6
MoC2	2.2	2.3	0.1		--	--	--	--	--	--	--	--	0.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MoB2	2.3	2.4	0.1		--	--	--	--	--	--	--	--	0.5
MrB2	2.4	2.4	<0.1		--	--	--	--	--	--	--	--	0.9
WsD	2.4	2.4	<0.1		--	--	--	--	--	--	--	--	--
MrB2	2.4	2.5	0.1		--	--	--	--	--	--	--	--	0.9
WeC2	2.5	2.5	<0.1		--	--	--	--	--	--	--	--	0.2
LoB	2.5	2.6	0.1		--	--	--	0.4	--	--	--	--	0.4
MrB2	2.6	2.6	<0.1		--	--	--	--	--	--	--	--	0.9
WlB2	2.6	2.6	<0.1		--	--	--	--	--	--	--	--	0.0
WsD	2.6	2.7	0.1		--	--	--	--	--	--	--	--	--
LsB	2.7	2.8	0.1		--	--	--	0.5	--	--	--	--	--
LsF	2.8	2.8	<0.1		0.8	--	--	0.8	--	--	--	--	--
LgD	2.8	2.8	<0.1		--	--	--	--	--	--	--	--	--
LsF	2.8	3.0	0.1		0.8	--	--	0.8	--	--	--	--	--
LsF	2.9	2.9	0.1	PAR1a	0.4	--	--	0.4	--	--	--	--	--
WsD	3.0	3.0	<0.1		--	--	--	--	--	--	--	--	--
Wy	3.0	3.0	<0.1		--	--	--	--	--	--	0.2	0.2	--
Cu	3.0	3.0	<0.1		--	--	--	--	--	--	--	--	--
LgF	3.0	3.2	0.1		1.0	--	--	--	--	--	--	--	--
LfD2	3.2	3.2	<0.1		--	--	--	--	--	--	--	--	--
LfC2	3.2	3.4	0.2		--	--	--	--	--	--	--	--	1.3
LgF	3.4	3.4	0.1		1.0	--	--	--	--	--	--	--	--
LfC2	3.4	3.5	<0.1		--	--	--	--	--	--	--	--	1.3
LsD	3.5	3.8	0.3		--	--	--	2.0	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsF	3.8	3.9	0.1		0.3	--	--	0.3	--	--	--	--	--
LsB	3.9	3.9	<0.1		--	--	--	0.3	--	--	--	--	--
WsB	3.9	4.0	0.1		--	--	--	--	--	--	--	--	--
LoB	4.0	4.0	<0.1		--	--	--	0.0	--	--	--	--	0.0
WeB2	4.0	4.1	0.1		--	--	--	--	--	--	--	--	0.5
LoC2	4.1	4.2	0.1		--	--	--	0.4	--	--	--	--	0.4
LoC2	4.1	4.1	<0.1	PAR3	--	--	--	<0.01	--	--	--	--	<0.01
MoB2	4.1	4.1	<0.1	PAR3	--	--	--	--	--	--	--	--	0.2
WeB2	4.1	4.1	0.2	PAR3	--	--	--	--	--	--	--	--	0.9
WeC2	4.1	4.1	0.1	PAR3	--	--	--	--	--	--	--	--	0.6
LsD	4.2	4.3	0.1		--	--	--	0.7	--	--	--	--	--
LaB2	4.3	4.3	0.1		--	--	--	--	--	--	--	--	0.3
LgF	4.3	4.4	0.1		0.5	--	--	--	--	--	--	--	--
MoC2	4.4	4.5	0.1		--	--	--	--	--	--	--	--	1.3
MoB2	4.5	4.6	0.1		--	--	--	--	--	--	--	--	1.9
MoC2	4.6	4.7	0.1		--	--	--	--	--	--	--	--	1.3
MoB2	4.7	4.8	0.1		--	--	--	--	--	--	--	--	1.9
MoB2	4.7	4.7	0.1	PAR4	--	--	--	--	--	--	--	--	0.3
MoC2	4.7	4.7	0.2	PAR4	--	--	--	--	--	--	--	--	1.0
LaB2	4.8	4.8	0.1		--	--	--	--	--	--	--	--	0.4
MoB2	4.8	4.9	0.1		--	--	--	--	--	--	--	--	1.9
WeC2	4.9	5.0	0.1		--	--	--	--	--	--	--	--	0.5
WeD2	5.0	5.0	<0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MsD	5.0	5.1	<0.1		--	--	--	--	--	--	--	--	--
LsD	5.1	5.2	0.2		--	--	--	1.0	--	--	--	--	--
LsD	5.2	5.2	0.1	PAR5	--	--	--	0.2	--	--	--	--	--
MrC2	5.2	5.2	<0.1	PAR5	--	--	--	--	--	--	--	--	0.3
LsF	5.2	5.4	0.2		1.1	--	--	1.1	--	--	--	--	--
BeC2	5.4	5.5	0.1		--	--	--	--	--	--	--	--	0.4
MoC2	5.5	5.6	0.1		--	--	--	--	--	--	--	--	1.3
McC2	5.6	5.6	0.1		--	--	--	--	--	--	--	--	0.5
WeC2	5.6	5.8	0.1		--	--	--	--	--	--	--	--	0.7
WeB2	5.8	5.9	0.1		--	--	--	--	--	--	--	--	0.7
MoB2	5.9	5.9	0.1		--	--	--	--	--	--	--	--	0.3
MoA	5.9	6.0	<0.1		--	--	--	--	--	--	--	--	0.3
MgD	6.0	6.0	<0.1		--	--	--	--	--	--	--	--	--
LoB	6.0	6.1	0.1		--	--	--	0.6	--	--	--	--	0.6
LsB	6.1	6.1	0.1		--	--	--	0.4	--	--	--	--	--
LsD	6.1	6.3	0.2		--	--	--	1.9	--	--	--	--	--
LsF	6.3	6.3	0.1		0.4	--	--	0.4	--	--	--	--	--
LsD	6.3	6.5	0.2		--	--	--	1.9	--	--	--	--	--
LoB	6.5	6.6	0.1		--	--	--	0.3	--	--	--	--	0.3
LsF	6.6	6.6	<0.1		0.1	--	--	0.1	--	--	--	--	--
LoB	6.6	6.6	0.1		--	--	--	0.3	--	--	--	--	0.3
VsB	6.6	6.7	0.1		--	--	--	--	--	--	--	--	--
VcB2	6.7	6.8	0.1		--	--	--	--	--	--	--	--	0.7

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
McC2	6.8	7.0	0.1		--	--	--	--	--	--	--	--	0.9
McD2	7.0	7.1	0.1		--	--	--	--	--	--	--	--	--
McC2	7.1	7.2	0.1		--	--	--	--	--	--	--	--	0.7
MgD	7.2	7.3	0.1		--	--	--	--	--	--	--	--	--
LkC2	7.2	7.2	<0.1	PAR6	--	--	--	0.2	--	--	--	--	0.2
McC2	7.2	7.2	0.2	PAR6	--	--	--	--	--	--	--	--	0.7
MgD	7.2	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	--
MoC2	7.2	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	0.4
VsD	7.2	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	--
LsD	7.3	7.4	0.1		--	--	--	0.7	--	--	--	--	--
LoC2	7.4	7.5	0.1		--	--	--	0.5	--	--	--	--	0.5
LsF	7.5	7.6	0.1		0.5	--	--	0.5	--	--	--	--	--
MsB	7.6	7.6	<0.1		--	--	--	--	--	--	--	--	--
WeB2	7.6	7.7	0.1		--	--	--	--	--	--	--	--	0.4
WeC2	7.7	7.8	0.1		--	--	--	--	--	--	--	--	1.0
WeD2	7.8	7.8	0.1		--	--	--	--	--	--	--	--	--
WeC2	7.8	7.9	0.1		--	--	--	--	--	--	--	--	1.0
WsD	7.9	8.0	0.1		--	--	--	--	--	--	--	--	--
LkC2	8.0	8.1	0.1		--	--	--	0.3	--	--	--	--	0.3
LsF	8.1	8.1	0.1		0.8	--	--	0.8	--	--	--	--	--
LsB	8.1	8.2	0.1		--	--	--	0.7	--	--	--	--	--
LsF	8.2	8.3	0.1		0.8	--	--	0.8	--	--	--	--	--
MoB2	8.3	8.4	0.1		--	--	--	--	--	--	--	--	0.8

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsF	8.4	8.6	0.1		1.2	--	--	1.2	--	--	--	--	--
LoB	8.6	8.6	0.1		--	--	--	0.3	--	--	--	--	0.3
LsF	8.6	8.7	0.1		1.2	--	--	1.2	--	--	--	--	--
WlC2	8.7	8.8	0.1		--	--	--	--	--	--	--	--	--
MoB2	8.8	8.9	0.2		--	--	--	--	--	--	--	--	0.9
Wy	8.9	9.0	0.1		--	--	--	--	--	--	0.5	0.5	--
MrB2	9.0	9.0	0.1		--	--	--	--	--	--	--	--	0.3
WlC2	9.0	9.1	0.1		--	--	--	--	--	--	--	--	--
MoC2	9.1	9.3	0.1		--	--	--	--	--	--	--	--	0.9
LkC2	9.3	9.4	0.1		--	--	--	0.5	--	--	--	--	0.5
LkB2	9.4	9.4	0.1		--	--	--	0.3	--	--	--	--	0.3
LoB	9.4	9.5	0.1		--	--	--	0.4	--	--	--	--	0.4
LsB	9.5	9.6	0.1		--	--	--	0.4	--	--	--	--	--
LfB	9.5	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	0.3
LgD	9.5	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	--
LkB2	9.5	9.5	<0.1	PAR7	--	--	--	0.0	--	--	--	--	0.0
LoB	9.5	9.5	0.1	PAR7	--	--	--	0.9	--	--	--	--	0.9
LsD	9.5	9.5	<0.1	PAR7	--	--	--	0.1	--	--	--	--	--
MsB	9.5	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	--
MsD	9.5	9.5	<0.1	PAR7	--	--	--	--	--	--	--	--	--
LsF	9.6	9.6	<0.1		0.1	--	--	0.1	--	--	--	--	--
LoD2	9.6	9.6	0.1		--	--	--	0.4	--	--	--	--	--
LsF	9.6	9.7	<0.1		0.2	--	--	0.2	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LoC2	9.7	9.8	0.1		--	--	--	0.5	--	--	--	--	0.5
LsF	9.8	9.8	<0.1		0.2	--	--	0.2	--	--	--	--	--
Cu	9.8	9.8	0.1		--	--	--	--	--	--	--	--	--
WeC2	9.8	9.9	0.1		--	--	--	--	--	--	--	--	0.9
MoC2	9.9	9.9	<0.1		--	--	--	--	--	--	--	--	0.1
WeC2	9.9	10.0	0.1		--	--	--	--	--	--	--	--	0.9
Mn	10.0	10.0	<0.1		--	--	--	--	--	--	--	--	--
WeC2	10.0	10.1	0.1		--	--	--	--	--	--	--	--	0.7
MoB2	10.1	10.1	<0.1	TAR8	--	--	--	--	--	--	--	--	0.1
MrC2	10.1	10.1	0.1	TAR8	--	--	--	--	--	--	--	--	0.3
WeB2	10.1	10.1	<0.1	TAR8	--	--	--	--	--	--	--	--	0.1
WeC2	10.1	10.1	0.1	TAR8	--	--	--	--	--	--	--	--	0.1
WeB2	10.1	10.2	<0.1		--	--	--	--	--	--	--	--	0.2
NcB	10.2	10.2	0.1		--	--	--	--	--	--	0.3	0.3	--
LgD	10.2	10.3	0.1		--	--	--	--	--	--	--	--	--
LsD	10.3	10.4	0.1		--	--	--	0.8	--	--	--	--	--
LkC2	10.4	10.6	0.2		--	--	--	1.0	--	--	--	--	1.0
WeC2	10.6	10.7	0.1		--	--	--	--	--	--	--	--	0.8
MoB2	10.7	10.8	<0.1		--	--	--	--	--	--	--	--	0.1
NsB	10.8	10.8	0.1		--	--	--	--	--	--	0.3	0.3	--
MoB2	10.8	11.0	0.2		--	--	--	--	--	--	--	--	1.0
MsB	11.0	11.1	0.2		--	--	--	--	--	--	--	--	--
MrC2	11.1	11.4	0.3		--	--	--	--	--	--	--	--	1.7

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeB2	11.4	11.5	0.1		--	--	--	--	--	--	--	--	0.6
WeD2	11.5	11.5	<0.1		--	--	--	--	--	--	--	--	--
LsF	11.5	11.6	0.1		0.4	--	--	0.4	--	--	--	--	--
MsB	11.6	11.6	<0.1		--	--	--	--	--	--	--	--	--
WeD2	11.6	11.7	0.1		--	--	--	--	--	--	--	--	--
MrB2	11.7	11.8	0.1		--	--	--	--	--	--	--	--	0.6
WlD2	11.8	11.8	<0.1		--	--	--	--	--	--	--	--	--
MrC2	11.8	12.0	0.1		--	--	--	--	--	--	--	--	0.8
WsD	12.0	12.0	0.1		--	--	--	--	--	--	--	--	--
BsD	12.0	12.1	0.1		--	--	--	--	--	--	--	--	--
LsF	12.1	12.2	0.1		0.4	--	--	0.4	--	--	--	--	--
LsD	12.2	12.2	<0.1		--	--	--	0.2	--	--	--	--	--
LsB	12.2	12.3	0.1		--	--	--	0.6	--	--	--	--	--
BsD	12.2	12.2	0.1	PAR10	--	--	--	--	--	--	--	--	--
LsB	12.2	12.2	<0.1	PAR10	--	--	--	0.2	--	--	--	--	--
LsD	12.2	12.2	0.1	PAR10	--	--	--	0.6	--	--	--	--	--
MrC2	12.2	12.2	<0.1	PAR10	--	--	--	--	--	--	--	--	0.0
WeB2	12.2	12.2	<0.1	PAR10	--	--	--	--	--	--	--	--	0.0
WeC2	12.2	12.2	0.1	PAR10	--	--	--	--	--	--	--	--	0.2
BsB	12.3	12.4	0.2		--	--	--	--	--	--	--	--	--
LsD	12.4	12.5	<0.1		--	--	--	0.2	--	--	--	--	--
LsB	12.5	12.5	0.1		--	--	--	0.4	--	--	--	--	--
LsF	12.5	12.6	0.1		0.4	--	--	0.4	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
BsB	12.6	12.6	<0.1		--	--	--	--	--	--	--	--	--
LsD	12.6	12.7	<0.1		--	--	--	0.2	--	--	--	--	--
MfB2	12.7	12.8	0.2		--	--	--	--	--	--	--	--	1.0
VcB2	12.8	12.9	<0.1		--	--	--	--	--	--	--	--	0.2
McC2	12.9	13.0	0.1		--	--	--	--	--	--	--	--	0.5
LsD	13.0	13.2	0.2		--	--	--	1.1	--	--	--	--	--
LsF	13.2	13.4	0.2		1.2	--	--	1.2	--	--	--	--	--
LsD	13.4	13.5	0.1		--	--	--	1.4	--	--	--	--	--
LsB	13.4	13.4	0.2	PAR11	--	--	--	0.3	--	--	--	--	--
LsD	13.4	13.4	0.2	PAR11	--	--	--	0.9	--	--	--	--	--
LsF	13.4	13.4	0.4	PAR11	1.2	--	--	1.2	--	--	--	--	--
WlB2	13.5	13.5	<0.1		--	--	--	--	--	--	--	--	0.2
BsD	13.5	13.6	0.1		--	--	--	--	--	--	--	--	--
LsD	13.6	13.7	0.1		--	--	--	1.4	--	--	--	--	--
LsB	13.7	13.8	0.1		--	--	--	0.8	--	--	--	--	--
LoB	13.8	13.9	0.1		--	--	--	0.5	--	--	--	--	0.5
LoC2	13.9	13.9	<0.1		--	--	--	0.0	--	--	--	--	0.0
WlB2	13.9	13.9	<0.1		--	--	--	--	--	--	--	--	0.1
LoC2	13.9	13.9	<0.1		--	--	--	0.2	--	--	--	--	0.2
BsD	13.9	14.2	0.2		--	--	--	--	--	--	--	--	--
BsD	14.1	14.1	<0.1	PAR12	--	--	--	--	--	--	--	--	--
LoB	14.1	14.1	<0.1	PAR12	--	--	--	0.1	--	--	--	--	0.1
LsD	14.1	14.1	0.2	PAR12	--	--	--	1.2	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC2	14.1	14.1	0.1	PAR12	--	--	--	--	--	--	--	--	0.7
LsD	14.2	14.2	0.1		--	--	--	0.4	--	--	--	--	--
VcB2	14.2	14.3	0.1		--	--	--	--	--	--	--	--	0.6
WeC2	14.3	14.4	0.1		--	--	--	--	--	--	--	--	0.6
VcB2	14.4	14.4	<0.1		--	--	--	--	--	--	--	--	0.6
MrB2	14.4	14.5	<0.1		--	--	--	--	--	--	--	--	0.2
LsD	14.5	14.5	0.1		--	--	--	0.4	--	--	--	--	--
LoD2	14.5	14.6	0.1		--	--	--	0.6	--	--	--	--	--
VcB2	14.6	14.8	0.1		--	--	--	--	--	--	--	--	0.8
MoC2	14.8	14.8	<0.1		--	--	--	--	--	--	--	--	0.2
McC2	14.8	14.9	0.1		--	--	--	--	--	--	--	--	1.0
McB2	14.9	15.0	0.1		--	--	--	--	--	--	--	--	0.7
McC2	15.0	15.1	0.1		--	--	--	--	--	--	--	--	1.0
MfD2	15.1	15.1	<0.1		--	--	--	--	--	--	--	--	--
WlC2	15.1	15.1	<0.1		--	--	--	--	--	--	--	--	--
LsD	15.1	15.1	<0.1	PAR13	--	--	--	<0.01	--	--	--	--	--
WeC2	15.1	15.1	0.1	PAR13	--	--	--	--	--	--	--	--	0.1
WlC2	15.1	15.1	<0.1	PAR13	--	--	--	--	--	--	--	--	--
WeC2	15.1	15.2	0.1		--	--	--	--	--	--	--	--	0.7
WeC2	15.2	15.2	<0.1	MLV #2 Walkers Rd	--	--	--	--	--	--	--	--	0.1
WlC2	15.2	15.3	0.1		--	--	--	--	--	--	--	--	--
WlB2	15.3	15.4	0.1		--	--	--	--	--	--	--	--	0.3

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WlC2	15.4	15.5	0.1		--	--	--	--	--	--	--	--	--
VfC	15.5	15.5	<0.1		--	--	--	--	--	--	--	--	0.1
CnB2	15.5	15.5	<0.1		--	--	--	--	--	--	--	--	0.2
MrB2	15.5	15.5	<0.1		--	--	--	--	--	--	--	--	0.1
McC2	15.5	15.6	<0.1		--	--	--	--	--	--	--	--	0.2
VcB2	15.6	15.7	0.1		--	--	--	--	--	--	--	--	0.7
LkD2	15.7	15.7	0.1		--	--	--	0.4	--	--	--	--	--
WsD	15.7	15.8	<0.1		--	--	--	--	--	--	--	--	--
LsD	15.8	15.8	0.1		--	--	--	0.3	--	--	--	--	--
Mn	15.8	15.8	<0.1		--	--	--	--	--	--	--	--	--
Hw	15.8	15.9	<0.1		--	--	--	--	0.2	--	0.2	0.2	--
MgD	15.9	15.9	<0.1		--	--	--	--	--	--	--	--	--
VsD	15.9	15.9	<0.1		--	--	--	--	--	--	--	--	--
MgD	15.9	16.0	0.1		--	--	--	--	--	--	--	--	--
LsF	16.0	16.0	<0.1		0.3	--	--	0.3	--	--	--	--	--
LsB	16.0	16.1	0.1		--	--	--	0.7	--	--	--	--	--
LsD	16.1	16.1	<0.1		--	--	--	0.5	--	--	--	--	--
LsB	16.1	16.2	<0.1		--	--	--	0.7	--	--	--	--	--
LsD	16.2	16.2	0.1		--	--	--	0.5	--	--	--	--	--
LsF	16.2	16.3	0.1		0.5	--	--	0.5	--	--	--	--	--
MgB	16.3	16.4	0.1		--	--	--	--	--	--	--	--	--
LsD	16.3	16.3	0.1	PAR14	--	--	--	0.7	--	--	--	--	--
MgB	16.3	16.3	0.3	PAR14	--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MoB2	16.3	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	0.4
MsB	16.3	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	--
WeC2	16.3	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	0.5
MgD	16.4	16.4	<0.1		--	--	--	--	--	--	--	--	--
MgB	16.4	16.5	0.1		--	--	--	--	--	--	--	--	--
MgD	16.5	16.6	0.1		--	--	--	--	--	--	--	--	--
McC2	16.6	16.8	0.2		--	--	--	--	--	--	--	--	1.2
VcB2	16.8	16.9	0.1		--	--	--	--	--	--	--	--	0.5
Mn	16.9	16.9	<0.1		--	--	--	--	--	--	--	--	--
VfC	16.9	16.9	<0.1		--	--	--	--	--	--	--	--	0.1
LgF	16.9	17.2	0.3		1.9	--	--	--	--	--	--	--	--
LsF	17.2	17.4	0.1		0.9	--	--	0.9	--	--	--	--	--
LsB	17.4	17.4	0.1		--	--	--	0.5	--	--	--	--	--
LsD	17.4	17.5	0.1		--	--	--	0.4	--	--	--	--	--
BsD	17.5	17.6	0.1		--	--	--	--	--	--	--	--	--
MgD	17.6	18.1	0.5		--	--	--	--	--	--	--	--	--
BsD	17.8	17.8	0.5	PAR15	--	--	--	--	--	--	--	--	--
BsF	17.8	17.8	0.1	PAR15	0.7	--	--	--	--	--	--	--	--
LfD2	17.8	17.8	<0.1	PAR15	--	--	--	--	--	--	--	--	--
LgF	17.8	17.8	0.1	PAR15	0.4	--	--	--	--	--	--	--	--
MgD	17.8	17.8	0.1	PAR15	--	--	--	--	--	--	--	--	--
LsD	18.1	18.2	0.1		--	--	--	3.3	--	--	--	--	--
LsB	18.2	18.3	0.1		--	--	--	0.4	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsD	18.3	18.7	0.4		--	--	--	3.3	--	--	--	--	--
LgD	18.7	18.7	0.1		--	--	--	--	--	--	--	--	--
LgF	18.7	18.8	0.1		0.3	--	--	--	--	--	--	--	--
Mn	18.8	18.8	<0.1		--	--	--	--	--	--	--	--	--
MgF	18.8	18.9	0.1		0.4	--	--	--	--	--	--	--	--
MfC2	18.9	18.9	0.1		--	--	--	--	--	--	--	--	0.4
BsD	18.9	19.0	0.1		--	--	--	--	--	--	--	--	--
LsD	19.0	19.1	0.1		--	--	--	0.5	--	--	--	--	--
LsF	19.1	19.1	0.1		0.3	--	--	0.3	--	--	--	--	--
LsB	19.1	19.2	0.1		--	--	--	0.6	--	--	--	--	--
LsD	19.2	19.5	0.3		--	--	--	1.9	--	--	--	--	--
LsB	19.5	19.6	<0.1		--	--	--	0.3	--	--	--	--	--
LsD	19.6	19.6	<0.1		--	--	--	1.9	--	--	--	--	--
LsF	19.6	19.7	0.1		0.5	--	--	0.5	--	--	--	--	--
MgD	19.7	19.7	<0.1		--	--	--	--	--	--	--	--	--
MgF	19.7	19.8	0.1		0.7	--	--	--	--	--	--	--	--
VfC	19.8	20.0	0.1		--	--	--	--	--	--	--	--	0.8
MgD	20.0	20.0	0.1		--	--	--	--	--	--	--	--	--
BsD	20.0	20.2	0.1		--	--	--	--	--	--	--	--	--
LsF	20.2	20.2	0.1		0.9	--	--	0.9	--	--	--	--	--
LsB	20.2	20.3	0.1		--	--	--	0.3	--	--	--	--	--
LsD	20.3	20.4	0.1		--	--	--	0.6	--	--	--	--	--
BsD	20.4	20.5	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsF	20.5	20.6	0.1		0.9	--	--	0.9	--	--	--	--	--
MgD	20.6	20.7	0.1		--	--	--	--	--	--	--	--	--
VsD	20.7	20.9	0.2		--	--	--	--	--	--	--	--	--
WsD	20.9	20.9	<0.1		--	--	--	--	--	--	--	--	--
MgD	20.9	20.9	<0.1		--	--	--	--	--	--	--	--	--
WsD	20.9	21.2	0.2		--	--	--	--	--	--	--	--	--
LgD	21.0	21.0	0.1	PAR15a	--	--	--	--	--	--	--	--	--
LsD	21.0	21.0	<0.1	PAR15a	--	--	--	0.0	--	--	--	--	--
WsD	21.0	21.0	<0.1	PAR15a	--	--	--	--	--	--	--	--	--
LgD	21.2	21.3	0.2		--	--	--	--	--	--	--	--	--
WeC2	21.3	21.4	0.1		--	--	--	--	--	--	--	--	0.7
LgD	21.4	21.5	<0.1		--	--	--	--	--	--	--	--	--
LgF	21.5	21.5	0.1		0.3	--	--	--	--	--	--	--	--
BsD	21.5	21.6	0.1		--	--	--	--	--	--	--	--	--
Wy	21.6	21.8	0.2		--	--	--	--	--	--	1.2	1.2	--
CnA	21.8	21.8	0.1		--	--	--	--	--	--	--	--	0.3
BsF	21.8	21.9	<0.1		0.1	--	--	--	--	--	--	--	--
MgB	21.9	21.9	<0.1		--	--	--	--	--	--	--	--	--
MgD	21.9	22.0	0.1		--	--	--	--	--	--	--	--	--
LsD	22.0	22.2	0.2		--	--	--	1.2	--	--	--	--	--
WsD	22.2	22.3	0.1		--	--	--	--	--	--	--	--	--
MsD	22.3	22.4	0.1		--	--	--	--	--	--	--	--	--
WsD	22.4	22.5	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VsB	22.5	22.6	0.1		--	--	--	--	--	--	--	--	--
Wy	22.6	22.7	0.1		--	--	--	--	--	--	0.3	0.3	--
BsF	22.7	22.7	<0.1		0.2	--	--	--	--	--	--	--	--
VsD	22.7	22.7	0.1		--	--	--	--	--	--	--	--	--
BsD	22.7	22.8	0.1		--	--	--	--	--	--	--	--	--
MgD	22.8	22.8	0.1		--	--	--	--	--	--	--	--	--
LsF	22.8	22.9	0.1		0.7	--	--	0.7	--	--	--	--	--
LsD	22.9	23.0	0.1		--	--	--	0.5	--	--	--	--	--
MgD	23.0	23.1	<0.1		--	--	--	--	--	--	--	--	--
VsB	23.1	23.1	<0.1		--	--	--	--	--	--	--	--	--
VfB	23.1	23.2	<0.1		--	--	--	--	--	--	--	--	0.5
VcB2	23.2	23.3	0.1		--	--	--	--	--	--	--	--	0.6
VcC2	23.3	23.3	0.1		--	--	--	--	--	--	--	--	0.3
VfB	23.3	23.4	0.1		--	--	--	--	--	--	--	--	0.5
MfD2	23.4	23.4	0.1		--	--	--	--	--	--	--	--	--
VcC2	23.4	23.4	<0.1		--	--	--	--	--	--	--	--	0.2
McD2	23.4	23.4	0.3	PAR16	--	--	--	--	--	--	--	--	--
MfD2	23.4	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	--
Mn	23.4	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	--
VcC2	23.4	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	0.1
VfB	23.4	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	0.3
VsB	23.4	23.5	0.1		--	--	--	--	--	--	--	--	--
VcC2	23.5	23.5	<0.1		--	--	--	--	--	--	--	--	0.1

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MgD	23.5	23.6	0.1		--	--	--	--	--	--	--	--	--
MgB	23.6	23.7	0.2		--	--	--	--	--	--	--	--	--
MgD	23.7	24.3	0.6		--	--	--	--	--	--	--	--	--
MfC2	24.3	24.4	0.1		--	--	--	--	--	--	--	--	0.5
MgD	24.4	24.5	0.2		--	--	--	--	--	--	--	--	--
BsD	24.5	24.5	0.1	PAR18	--	--	--	--	--	--	--	--	--
MgB	24.5	24.5	0.1	PAR18	--	--	--	--	--	--	--	--	--
BsD	24.5	24.6	<0.1		--	--	--	--	--	--	--	--	--
MgB	24.6	24.9	0.3		--	--	--	--	--	--	--	--	--
VsD	24.9	25.0	0.1		--	--	--	--	--	--	--	--	--
VsB	25.0	25.2	0.3		--	--	--	--	--	--	--	--	--
VsB	25.1	25.1	<0.1	TAR1	--	--	--	--	--	--	--	--	--
VsD	25.1	25.1	<0.1	TAR1	--	--	--	--	--	--	--	--	--
New York													
Broome County													
VoB	25.2	25.3	<0.1		--	--	--	--	0.1	--	--	--	0.1
MtC	25.3	25.3	0.1		--	--	--	--	--	--	--	--	0.3
LsE	25.3	25.8	0.4		--	--	--	4.6	--	--	--	--	--
CcC	25.8	25.9	0.2		--	--	--	--	--	1.0	--	--	1.0
LsE	25.9	26.2	0.3		--	--	--	4.6	--	--	--	--	--
CcC	26.2	26.2	0.1	PAR19	--	--	--	--	--	0.2	--	--	0.2
LsE	26.2	26.2	<0.1	PAR19	--	--	--	0.1	--	--	--	--	--
OuC	26.2	26.2	<0.1	PAR19	--	--	--	0.0	--	--	--	--	0.0

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
OuC	26.2	26.3	<0.1		--	--	--	0.2	--	--	--	--	0.2
CcC	26.3	26.3	<0.1		--	--	--	--	--	1.2	--	--	1.2
MtC	26.3	26.4	0.1		--	--	--	--	--	--	--	--	0.7
CcC	26.4	26.6	0.2		--	--	--	--	--	1.2	--	--	1.2
MtC	26.6	26.6	<0.1		--	--	--	--	--	--	--	--	0.1
MtB	26.6	26.7	0.1		--	--	--	--	--	--	--	--	0.6
CcC	26.7	26.7	<0.1		--	--	--	--	--	0.2	--	--	0.2
CcC	26.7	26.7	<0.1	PAR20	--	--	--	--	--	0.1	--	--	0.1
LsE	26.7	26.9	0.2		--	--	--	2.0	--	--	--	--	--
CcC	26.7	26.7	<0.1	MLV #3 Vale Rd	--	--	--	--	--	0.0	--	--	0.0
LsE	26.7	26.7	<0.1	MLV #3 Vale Rd	--	--	--	--	--	0.1	--	--	0.1
CcD	26.9	27.0	0.1		--	--	--	--	--	--	--	--	--
LsE	27.0	27.2	0.2		--	--	--	2.0	--	--	--	--	--
CcE	27.2	27.2	<0.1		--	--	--	--	--	--	--	--	--
CuC	27.2	27.2	<0.1		--	--	--	--	--	--	--	--	0.2
Wd	27.2	27.3	0.1		--	--	--	--	--	--	0.3	--	--
ChD	27.3	27.3	<0.1		--	--	--	--	--	0.2	--	--	--
CcE	27.3	27.5	0.2		--	--	--	--	--	--	--	--	--
CcD	27.5	27.5	<0.1		--	--	--	--	--	--	--	--	--
CcC	27.5	27.9	0.4		--	--	--	--	--	2.5	--	--	2.5
CcC	27.8	27.8	0.1	PAR21	--	--	--	--	--	0.2	--	--	0.2
CcD	27.8	27.8	0.2	PAR21	--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
CuB	27.8	27.8	<0.1	PAR21	--	--	--	--	--	0.1	--	--	0.1
MtC	27.8	27.8	0.1	PAR21	--	--	--	--	--	--	--	--	0.2
Wd	27.8	27.8	<0.1	PAR21	--	--	--	--	--	--	0.1	--	--
LsE	27.9	28.0	0.1		--	--	--	0.5	--	--	--	--	--
CcC	28.0	28.0	<0.1		--	--	--	--	--	2.5	--	--	2.5
OuD	28.0	28.1	0.1		--	--	--	0.7	--	--	--	--	--
LrF	28.1	28.1	<0.1		0.1	--	--	0.1	--	--	--	--	--
CcD	28.1	28.3	0.1		--	--	--	--	--	--	--	--	--
MtC	28.3	28.4	0.1		--	--	--	--	--	--	--	--	0.7
CcE	28.4	28.5	0.1		--	--	--	--	--	--	--	--	--
CuC	28.5	28.6	0.1		--	--	--	--	--	--	--	--	0.4
CcD	28.5	28.5	0.7	PAR22	--	--	--	--	--	--	--	--	--
CcE	28.5	28.5	0.2	PAR22	--	--	--	--	--	--	--	--	--
ChD	28.5	28.5	0.1	PAR22	--	--	--	--	--	0.1	--	--	--
Ta	28.6	28.6	<0.1		--	--	--	--	--	--	--	--	0.1
Ms	28.6	28.7	0.2		--	--	--	--	--	1.0	--	--	1.0
Cw	28.7	28.8	<0.1		--	--	--	--	--	--	--	--	--
Ms	28.8	28.8	0.1		--	--	--	--	--	0.4	--	--	0.4
ChD	28.8	28.9	0.1		--	--	--	--	--	3.1	--	--	--
ChC	28.9	28.9	<0.1		--	--	--	--	--	--	--	--	0.1
ChD	28.9	29.0	0.1		--	--	--	--	--	3.1	--	--	--
CcE	29.0	29.0	<0.1		--	--	--	--	--	--	--	--	--
ChD	29.0	29.2	0.2		--	--	--	--	--	3.1	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
Tg	29.2	29.2	0.1		--	--	--	--	--	--	--	--	0.3
ChD	29.2	29.4	0.2		--	--	--	--	--	3.1	--	--	--
CcC	29.4	29.7	0.3		--	--	--	--	--	2.0	--	--	2.0
MtC	29.7	29.8	<0.1		--	--	--	--	--	--	--	--	0.2
CcD	29.8	29.9	0.1		--	--	--	--	--	--	--	--	--
LdD	29.9	30.0	0.1		--	--	--	1.2	--	--	--	--	--
LdC	30.0	30.1	0.1		--	--	--	0.6	--	--	--	--	0.6
LdD	30.1	30.2	0.1		--	--	--	1.2	--	--	--	--	--
LdC	30.2	30.2	<0.1		--	--	--	0.6	--	--	--	--	0.6
LdB	30.2	30.2	0.1		--	--	--	0.3	--	--	--	--	0.3
LoE	30.2	30.3	0.1		--	--	--	0.5	--	--	--	--	--
MtC	30.3	30.3	<0.1		--	--	--	--	--	--	--	--	0.2
CcD	30.3	30.6	0.2		--	--	--	--	--	--	--	--	--
CuB	30.6	30.7	0.1		--	--	--	--	--	0.7	--	--	0.7
CuC	30.7	30.7	<0.1		--	--	--	--	--	--	--	--	0.1
Ad	30.7	30.7	0.1		--	--	--	--	--	--	0.3	--	--
Ta	30.7	30.8	<0.1		--	--	--	--	--	--	--	--	0.2
MhD	30.8	30.8	0.1		--	--	--	--	--	--	--	--	--
CcD	30.8	30.9	<0.1		--	--	--	--	--	--	--	--	--
CcE	30.9	31.0	0.1		--	--	--	--	--	--	--	--	--
CcD	31.0	31.0	s<0.1		--	--	--	--	--	--	--	--	--
MtC	31.0	31.1	0.1		--	--	--	--	--	--	--	--	0.5
CcD	31.1	31.1	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsE	31.1	31.7	0.6		--	--	--	3.7	--	--	--	--	--
Ad	31.7	31.8	<0.1		--	--	--	--	--	--	0.1	--	--
MtB	31.8	31.8	<0.1		--	--	--	--	--	--	--	--	0.8
CcD	31.8	31.9	0.1		--	--	--	--	--	--	--	--	--
MtC	31.9	32.0	0.1		--	--	--	--	--	--	--	--	0.5
MtB	32.0	32.1	0.1		--	--	--	--	--	--	--	--	0.8
LsE	32.1	32.5	0.4		--	--	--	2.4	--	--	--	--	--
LrF	32.5	32.6	0.1		0.7	--	--	0.7	--	--	--	--	--
CuD	32.6	32.7	0.1		--	--	--	--	--	--	--	--	--
Tg	32.7	32.9	0.2		--	--	--	--	--	--	--	--	1.1
Wd	32.9	33.5	0.6		--	--	--	--	--	--	5.0	--	--
CcE	33.5	33.6	0.1		--	--	--	--	--	--	--	--	--
Wd	33.6	33.8	0.2		--	--	--	--	--	--	5.0	--	--
Tg	33.8	33.8	<0.1	PAR27	--	--	--	--	--	--	--	--	0.1
UnC	33.8	33.8	<0.1	PAR27	--	--	--	--	--	--	--	--	0.1
Wd	33.8	33.8	<0.1	PAR27	--	--	--	--	--	--	0.1	--	--
Tg	33.8	33.9	0.1		--	--	--	--	--	--	--	--	0.6
Ms	33.9	34.3	0.4		--	--	--	--	--	2.6	--	--	2.6
CuD	34.3	34.4	<0.1		--	--	--	--	--	--	--	--	--
ChC	34.4	34.5	0.1		--	--	--	--	--	--	--	--	0.5
CcD	34.5	34.5	<0.1		--	--	--	--	--	--	--	--	--
MtC	34.5	34.5	<0.1		--	--	--	--	--	--	--	--	0.2
CcD	34.5	34.7	0.2		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
Ad	34.7	34.7	<0.1		--	--	--	--	--	--	0.1	--	--
CcD	34.7	34.8	0.1		--	--	--	--	--	--	--	--	--
MtC	34.8	34.8	0.1		--	--	--	--	--	--	--	--	0.3
CcC	34.8	34.9	<0.1		--	--	--	--	--	2.3	--	--	2.3
CcD	34.9	34.9	<0.1		--	--	--	--	--	--	--	--	--
MtB	34.9	35.0	0.1		--	--	--	--	--	--	--	--	0.3
CcC	35.0	35.3	0.3		--	--	--	--	--	2.3	--	--	2.3
CcC	35.2	35.2	0.1	PAR28	--	--	--	--	--	0.2	--	--	0.2
ChC	35.2	35.2	<0.1	PAR28	--	--	--	--	--	--	--	--	0.1
CuC	35.2	35.2	<0.1	PAR28	--	--	--	--	--	--	--	--	0.0
MuD	35.3	35.3	0.1		--	--	--	--	0.3	0.3	--	--	--
CcD	35.3	35.7	0.4		--	--	--	--	--	--	--	--	--
CcE	35.7	35.8	0.1		--	--	--	--	--	--	--	--	--
CcC	35.8	35.8	<0.1		--	--	--	--	--	2.3	--	--	2.3
CpB	35.8	35.8	<0.1		--	--	--	--	0.2	--	0.2	--	0.2
MnC	35.8	35.9	0.1		--	--	--	--	--	--	--	--	0.3
Wd	35.9	35.9	<0.1		--	--	--	--	--	--	0.2	--	--
ChC	35.9	36.1	0.2		--	--	--	--	--	--	--	--	1.1
CcD	36.1	36.2	0.1		--	--	--	--	--	--	--	--	--
CcD	36.1	36.1	0.1	PAR29	--	--	--	--	--	--	--	--	--
CcC	36.2	36.2	<0.1		--	--	--	--	--	0.2	--	--	0.2
ChC	36.2	36.5	0.3		--	--	--	--	--	--	--	--	1.7
Ad	36.5	36.6	<0.1		--	--	--	--	--	--	0.2	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
Wd	36.6	36.6	0.1		--	--	--	--	--	--	0.5	--	--
CcC	36.6	36.8	0.2		--	--	--	--	--	1.2	--	--	1.2
CcD	36.8	37.3	0.4		--	--	--	--	--	--	--	--	--
MtB	37.3	37.3	<0.1		--	--	--	--	--	--	--	--	0.1
CcD	37.3	37.3	<0.1		--	--	--	--	--	--	--	--	--
CcE	37.3	37.3	<0.1		--	--	--	--	--	--	--	--	--
LrF	37.3	37.3	<0.1		0.2	--	--	0.2	--	--	--	--	--
MhB	37.3	37.7	0.4		--	--	--	--	--	--	--	--	2.3
MtC	37.7	37.8	0.1		--	--	--	--	--	--	--	--	3.7
CcC	37.8	37.9	0.1		--	--	--	--	--	0.8	--	--	0.8
MtC	37.9	38.3	0.3		--	--	--	--	--	--	--	--	3.7
CuC	38.3	38.4	0.1		--	--	--	--	--	--	--	--	0.7
MtC	38.4	38.6	0.2		--	--	--	--	--	--	--	--	3.7
MtB	38.6	38.7	0.1		--	--	--	--	--	--	--	--	1.9
CuB	38.7	38.7	0.1		--	--	--	--	--	0.4	--	--	0.4
MtB	38.7	39.0	0.2		--	--	--	--	--	--	--	--	1.9
CuC	39.0	39.1	0.1		--	--	--	--	--	--	--	--	0.7
MtC	39.1	39.2	0.1		--	--	--	--	--	--	--	--	0.7
Wd	39.2	39.2	<0.1		--	--	--	--	--	--	0.1	--	--
MhD	39.2	39.3	0.1		--	--	--	--	--	--	--	--	--
MhC	39.3	39.5	0.2		--	--	--	--	--	--	--	--	1.5
MhD	39.5	39.6	0.1		--	--	--	--	--	--	--	--	--
MhC	39.6	39.6	<0.1		--	--	--	--	--	--	--	--	1.5

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MhD	39.6	39.7	0.1		--	--	--	--	--	--	--	--	--
VoC	39.7	39.7	<0.1		--	--	--	--	0.9	0.9	--	--	0.9
MhD	39.7	39.8	<0.1		--	--	--	--	--	--	--	--	--
VoC	39.8	39.9	0.1		--	--	--	--	0.9	0.9	--	--	0.9
MhD	39.9	40.0	0.1		--	--	--	--	--	--	--	--	--
VoB	40.0	40.1	0.1		--	--	--	--	1.7	--	--	--	1.7
MhB	40.1	40.2	0.1		--	--	--	--	--	--	--	--	0.9
MhC	40.2	40.2	<0.1		--	--	--	--	--	--	--	--	0.1
MhB	40.2	40.2	0.1		--	--	--	--	--	--	--	--	0.9
VoC	40.2	40.3	0.1		--	--	--	--	0.5	0.5	--	--	0.5
VoB	40.3	40.6	0.2		--	--	--	--	1.7	--	--	--	1.7
MhC	40.6	40.7	0.1		--	--	--	--	--	--	--	--	0.9
VoC	40.7	40.8	0.1		--	--	--	--	0.4	0.4	--	--	0.4
MhC	40.7	40.7	<0.1	PAR31	--	--	--	--	--	--	--	--	0.1
VoB	40.8	40.8	0.1		--	--	--	--	0.5	--	--	--	0.5
MhC	40.8	41.1	0.2		--	--	--	--	--	--	--	--	1.4
MhB	41.1	41.1	<0.1		--	--	--	--	--	--	--	--	0.2
VoC	41.1	41.1	<0.1		--	--	--	--	0.4	0.4	--	--	0.4
VoB	41.1	41.2	0.1		--	--	--	--	1.0	--	--	--	1.0
MhC	41.2	41.2	<0.1	PAR32	--	--	--	--	--	--	--	--	0.0
VoB	41.2	41.2	<0.1	PAR32	--	--	--	--	0.1	--	--	--	0.1
MhC	41.2	41.3	<0.1		--	--	--	--	--	--	--	--	0.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MhC	41.2	41.2	<0.1	MLV #4 Obrien Rd	--	--	--	--	--	--	--	--	0.1
VoB	41.2	41.2	<0.1	MLV #4 Obrien Rd	--	--	--	--	0.0	--	--	--	0.0
VoB	41.3	41.3	<0.1		--	--	--	--	1.0	--	--	--	1.0
MhC	41.3	41.4	0.1		--	--	--	--	--	--	--	--	0.6
VoB	41.4	41.4	0.1		--	--	--	--	3.2	--	--	--	3.2
MhB	41.4	41.5	<0.1		--	--	--	--	--	--	--	--	0.2
VoB	41.5	41.6	0.2		--	--	--	--	3.2	--	--	--	3.2
VoC	41.6	41.8	0.1		--	--	--	--	0.7	0.7	--	--	0.7
VoB	41.8	42.0	0.3		--	--	--	--	3.2	--	--	--	3.2
MhC	42.0	42.1	0.1		--	--	--	--	--	--	--	--	0.3
MhD	42.1	42.1	<0.1		--	--	--	--	--	--	--	--	--
MhB	42.1	42.2	0.1		--	--	--	--	--	--	--	--	0.5
Chenango													
LdB	42.2	42.2	<0.1		--	--	--	0.1	--	--	--	--	0.1
LoE	42.2	42.2	<0.1		--	--	--	0.2	--	--	--	--	--
MhE	42.2	42.2	<0.1		--	--	--	--	--	--	--	--	--
BvD	42.2	42.3	0.1		--	--	--	--	--	--	--	--	--
MaC	42.3	42.7	0.4		--	--	--	--	--	--	--	--	2.2
VoB	42.7	42.7	0.1		--	--	--	--	--	--	--	--	0.4
Ud	42.7	42.8	0.1		--	--	--	--	--	--	--	--	--
CkB	42.8	42.8	<0.1		--	--	--	--	--	--	--	--	0.2
MaC	42.8	42.8	<0.1		--	--	--	--	--	--	--	--	0.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MaB	42.8	42.9	0.1		--	--	--	--	--	--	--	--	0.3
MaC	42.9	43.0	0.1		--	--	--	--	--	--	--	--	0.6
BvD	43.0	43.0	<0.1		--	--	--	--	--	--	--	--	--
Ud	43.0	43.0	<0.1		--	--	--	--	--	--	--	--	--
VoB	43.0	43.1	0.1		--	--	--	--	--	--	--	--	0.4
MaC	43.1	43.4	0.3		--	--	--	--	--	--	--	--	3.7
MaB	43.4	43.5	0.1		--	--	--	--	--	--	--	--	0.6
MaC	43.5	43.6	0.1		--	--	--	--	--	--	--	--	3.7
Cn	43.6	43.6	<0.1	PAR33	--	--	--	--	0.0	--	0.0	--	--
MaC	43.6	43.6	<0.1	PAR33	--	--	--	--	--	--	--	--	0.1
McB	43.6	43.6	<0.1	PAR33	--	--	--	--	--	--	--	--	--
VoB	43.6	43.6	0.1	PAR33	--	--	--	--	--	--	--	--	0.1
McB	43.6	43.7	<0.1		--	--	--	--	--	--	--	--	--
Cm	43.7	43.9	0.2		--	--	--	--	--	--	1.3	--	1.3
VoB	43.9	44.0	0.1		--	--	--	--	--	--	--	--	0.8
MaC	44.0	44.2	0.2		--	--	--	--	--	--	--	--	3.7
LoC	44.2	44.9	0.7		--	--	--	4.1	--	--	--	--	4.1
LoB	44.2	44.2	0.2	PAR34	--	--	--	0.4	--	--	--	--	0.4
LoC	44.2	44.2	0.1	PAR34	--	--	--	0.3	--	--	--	--	0.3
LrE	44.2	44.2	0.1	PAR34	--	--	--	0.2	--	--	--	--	--
VoB	45.1	45.2	0.2		--	--	--	--	--	--	--	--	1.0
MaB	45.2	45.2	<0.1		--	--	--	--	--	--	--	--	0.0
MaD	45.2	45.3	<0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
Tr	45.3	45.3	0.1		--	--	--	--	--	--	--	--	0.4
ChE	45.3	45.3	<0.1		--	--	--	--	--	--	--	--	--
ChB	45.3	45.4	<0.1		--	--	--	--	--	--	--	--	0.1
VaB	45.4	45.6	0.3		--	--	--	--	--	--	--	--	3.6
CdA	45.6	45.6	<0.1		--	--	--	--	--	--	--	--	0.2
VaB	45.6	45.7	0.1		--	--	--	--	--	--	--	--	3.6
Ca	45.7	45.7	<0.1		--	--	--	--	--	--	0.2	--	0.2
VaB	45.7	46.0	0.3		--	--	--	--	--	--	--	--	3.6
MaB	46.0	46.2	0.2		--	--	--	--	--	--	--	--	1.2
ChB	46.2	46.3	0.1		--	--	--	--	--	--	--	--	0.5
MaC	46.3	46.4	0.1		--	--	--	--	--	--	--	--	0.5
MaD	46.4	46.5	0.1		--	--	--	--	--	--	--	--	--
MaC	46.5	46.9	0.4		--	--	--	--	--	--	--	--	2.2
LrE	46.9	46.9	0.1		--	--	--	1.4	--	--	--	--	--
LoB	46.9	47.0	0.1		--	--	--	0.7	--	--	--	--	0.7
LrE	47.0	47.2	0.2		--	--	--	1.4	--	--	--	--	--
MaC	47.2	47.3	0.1		--	--	--	--	--	--	--	--	0.3
CbB	47.3	47.3	0.1		--	--	--	--	--	--	--	--	0.4
MaD	47.3	47.4	0.1		--	--	--	--	--	--	--	--	--
CbC	47.4	47.4	<0.1		--	--	--	--	--	--	--	--	0.3
Wa	47.4	47.5	0.1		--	--	--	--	--	--	0.7	--	--
CkA	47.5	47.7	0.1		--	--	--	--	--	--	--	--	0.8
Ud	47.7	47.8	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
CkA	47.8	48.0	0.2		--	--	--	--	--	--	--	--	1.5
VaE	48.0	48.1	<0.1		--	--	--	--	--	--	--	--	--
MaC	48.1	48.1	<0.1		--	--	--	--	--	--	--	--	0.3
MaB	48.1	48.2	0.1		--	--	--	--	--	--	--	--	0.7
MaC	48.2	48.2	<0.1		--	--	--	--	--	--	--	--	0.3
GrC	48.2	48.3	<0.1		--	--	--	0.5	--	--	--	--	0.5
GrB	48.3	48.3	<0.1		--	--	--	0.1	--	--	--	--	--
GrC	48.3	48.3	0.1		--	--	--	0.5	--	--	--	--	0.5
LrE	48.3	48.5	0.1		--	--	--	1.3	--	--	--	--	--
LoC	48.5	48.7	0.3		--	--	--	1.6	--	--	--	--	1.6
LrE	48.7	48.8	0.1		--	--	--	1.3	--	--	--	--	--
LoC	48.8	48.9	0.1		--	--	--	1.1	--	--	--	--	1.1
LoB	48.9	49.2	0.3		--	--	--	2.7	--	--	--	--	2.7
LoC	49.2	49.3	0.1		--	--	--	0.6	--	--	--	--	0.6
LoB	49.3	49.4	0.2		--	--	--	2.7	--	--	--	--	2.7
LoC	49.4	49.5	0.1		--	--	--	1.1	--	--	--	--	1.1
LrE	49.5	49.6	<0.1		--	--	--	0.3	--	--	--	--	--
LoC	49.6	49.6	<0.1		--	--	--	0.2	--	--	--	--	0.2
VpB	49.6	49.9	0.3		--	--	--	--	3.2	--	--	--	--
Cm	49.9	49.9	<0.1		--	--	--	--	--	--	0.2	--	0.2
VpB	49.9	50.1	0.2		--	--	--	--	3.2	--	--	--	--
VoA	50.1	50.1	<0.1		--	--	--	--	--	--	--	--	0.3
VoB	50.1	50.2	<0.1		--	--	--	--	--	--	--	--	0.2

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VpB	50.2	50.2	0.1		--	--	--	--	3.2	--	--	--	--
LoC	50.2	50.3	0.1		--	--	--	0.3	--	--	--	--	0.3
LoB	50.3	50.5	0.2		--	--	--	1.3	--	--	--	--	1.3
Delaware													
LoC	50.5	50.5	<0.1		--	--	--	0.1	--	--	--	--	0.1
LoB	50.5	50.5	<0.1		--	--	--	1.3	--	--	--	--	1.3
LoB	50.5	50.5	<0.1		--	--	--	0.0	--	--	--	--	0.0
LoB	50.5	50.6	<0.1		--	--	--	0.3	--	--	--	--	0.3
LoC	50.6	50.8	0.2		--	--	--	1.3	--	--	--	--	1.3
MdC	50.8	50.9	0.1		--	--	--	--	--	--	--	--	0.6
MdD	50.9	50.9	0.1		--	--	--	--	--	--	--	--	--
VoB	50.9	51.0	0.1		--	--	--	--	--	--	--	--	0.4
MdC	51.0	51.3	0.2		--	--	--	--	--	--	--	--	1.5
LoC	51.3	51.4	0.1		--	--	--	0.9	--	--	--	--	0.9
LoB	51.4	51.5	0.1		--	--	--	0.5	--	--	--	--	0.5
LoE	51.5	51.5	<0.1		--	--	--	0.2	--	--	--	--	--
LoC	51.5	51.5	<0.1		--	--	--	0.9	--	--	--	--	0.9
MdC	51.5	51.6	0.1		--	--	--	--	--	--	--	--	0.3
MdB	51.6	51.7	0.1		--	--	--	--	--	--	--	--	1.2
LoB	51.7	51.8	0.1		--	--	--	0.3	--	--	--	--	0.3
MdB	51.8	51.8	0.1		--	--	--	--	--	--	--	--	1.2
VoB	51.8	51.9	0.1		--	--	--	--	--	--	--	--	0.3
LoB	51.9	52.0	0.1		--	--	--	0.7	--	--	--	--	0.7

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LoD	52.0	52.1	0.1		--	--	--	0.5	--	--	--	--	--
MnB	52.1	52.3	0.3		--	--	--	1.7	--	--	--	--	1.7
LoB	52.1	52.1	0.3	PAR36	--	--	--	0.7	--	--	--	--	0.7
LoD	52.1	52.1	0.1	PAR36	--	--	--	0.3	--	--	--	--	--
MdB	52.1	52.1	0.2	PAR36	--	--	--	--	--	--	--	--	0.3
MnB	52.1	52.1	0.1	PAR36	--	--	--	0.1	--	--	--	--	0.1
MnB	52.1	52.1	<0.1	MLV 5 Access Rd Town Rd	--	--	--	0.1	--	--	--	--	0.1
MdC	52.3	52.6	0.2		--	--	--	--	--	--	--	--	1.9
MnD	52.6	52.6	<0.1		--	--	--	0.1	--	--	--	--	--
MdC	52.6	52.7	0.1		--	--	--	--	--	--	--	--	1.9
MnC	52.7	53.0	0.3		--	--	--	2.5	--	--	--	--	2.5
MnD	53.0	53.1	0.1		--	--	--	0.8	--	--	--	--	--
MnC	53.1	53.2	0.1		--	--	--	2.5	--	--	--	--	2.5
MnB	53.2	53.4	0.3		--	--	--	1.6	--	--	--	--	1.6
MnD	53.4	53.5	<0.1		--	--	--	0.8	--	--	--	--	--
WhB	53.5	53.6	0.1		--	--	--	--	--	--	--	--	0.7
WhC	53.6	53.8	0.2		--	--	--	--	--	--	--	--	1.4
OnB	53.8	53.9	0.1		--	--	--	--	--	--	--	--	0.5
Sa	53.9	53.9	<0.1		--	0.2	--	--	--	--	0.2	0.2	--
OnB	53.9	54.0	<0.1		--	--	--	--	--	--	--	--	0.5
MnD	54.0	54.1	0.1		--	--	--	0.7	--	--	--	--	--
MnC	54.1	54.1	<0.1		--	--	--	0.3	--	--	--	--	0.3

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MnC	54.1	54.1	<0.1	PAR36a	--	--	--	0.0	--	--	--	--	0.0
MnD	54.1	54.1	0.6	PAR36a	--	--	--	0.3	--	--	--	--	--
OnB	54.1	54.1	0.2	PAR36a	--	--	--	--	--	--	--	--	0.9
WhB	54.1	54.1	<0.1	PAR36a	--	--	--	--	--	--	--	--	0.1
WhC	54.1	54.1	0.2	PAR36a	--	--	--	--	--	--	--	--	0.7
HcC	54.1	54.2	0.1		--	--	--	0.5	--	--	--	--	--
HcE	54.2	54.3	0.1		--	--	--	1.5	--	--	--	--	--
HcC	54.3	54.3	0.1	PAR36b	--	--	--	0.2	--	--	--	--	--
HcE	54.3	54.3	0.2	PAR36b	--	--	--	0.7	--	--	--	--	--
MnD	54.3	54.3	0.5	PAR36b	--	--	--	0.4	--	--	--	--	--
MdC	54.3	54.5	0.2		--	--	--	--	--	--	--	--	2.2
VoB	54.5	54.5	0.1		--	--	--	--	--	--	--	--	0.4
MdC	54.5	54.7	0.2		--	--	--	--	--	--	--	--	2.2
MnC	54.7	54.9	0.2		--	--	--	1.1	--	--	--	--	1.1
HcE	54.9	55.0	0.1		--	--	--	1.5	--	--	--	--	--
LoE	55.0	55.1	<0.1		--	--	--	0.1	--	--	--	--	--
TeB	55.1	55.2	0.1		--	--	--	0.6	--	--	0.6	--	0.6
LoC	55.2	55.2	0.1		--	--	--	0.5	--	--	--	--	0.5
TeB	55.2	55.3	0.1		--	--	--	0.3	--	--	0.3	--	0.3
LoD	55.3	55.3	<0.1		--	--	--	0.2	--	--	--	--	--
LoB	55.3	55.4	0.1		--	--	--	0.7	--	--	--	--	0.7
MdC	55.4	55.6	0.1		--	--	--	--	--	--	--	--	1.5
BtD	55.6	55.8	0.2		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MdC	55.8	55.9	0.1		--	--	--	--	--	--	--	--	1.5
VoB	55.9	55.9	<0.1		--	--	--	--	--	--	--	--	0.3
BtC	55.9	56.1	0.1		--	--	--	--	--	--	--	--	0.7
MdC	56.1	56.1	0.1		--	--	--	--	--	--	--	--	0.3
MdB	56.1	56.2	0.1		--	--	--	--	--	--	--	--	0.4
MdD	56.2	56.3	0.2		--	--	--	--	--	--	--	--	--
VaD	56.3	56.5	0.2		--	--	--	--	--	--	--	--	--
VaC	56.5	56.5	<0.1		--	--	--	--	--	--	--	--	0.3
VaD	56.5	56.5	<0.1		--	--	--	--	--	--	--	--	--
VaC	56.5	56.5	<0.1		--	--	--	--	--	--	--	--	0.3
VaB	56.5	56.6	0.1		--	--	--	--	--	--	--	--	0.6
VaE	56.6	56.7	<0.1		0.3	--	--	--	--	--	--	--	--
ChB	56.7	56.7	<0.1		--	--	--	--	--	--	--	--	0.1
Ff	56.7	56.8	0.1		--	--	--	--	--	--	0.5	--	--
VaD	56.8	56.8	0.1		--	--	--	--	--	--	--	--	--
MdC	56.8	57.3	0.4		--	--	--	--	--	--	--	--	3.6
LoC	57.3	57.3	0.1		--	--	--	1.5	--	--	--	--	1.5
LoB	57.3	57.4	0.1		--	--	--	0.6	--	--	--	--	0.6
LoC	57.4	57.6	0.2		--	--	--	1.5	--	--	--	--	1.5
LoE	57.6	57.7	0.1		--	--	--	0.3	--	--	--	--	--
MdC	57.7	57.7	0.1		--	--	--	--	--	--	--	--	3.6
BtD	57.7	57.8	0.1		--	--	--	--	--	--	--	--	--
MdC	57.8	57.8	<0.1		--	--	--	--	--	--	--	--	3.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VoB	57.8	57.9	0.1		--	--	--	--	--	--	--	--	0.6
MdC	57.9	58.0	<0.1		--	--	--	--	--	--	--	--	3.6
VoC	58.0	58.1	0.1		--	--	--	--	--	--	--	--	0.7
MdC	58.1	58.2	0.1		--	--	--	--	--	--	--	--	0.7
MdB	58.2	58.3	0.1		--	--	--	--	--	--	--	--	0.5
MdC	58.3	58.4	0.1		--	--	--	--	--	--	--	--	2.7
VoB	58.4	58.4	0.1		--	--	--	--	--	--	--	--	0.3
MdC	58.4	58.8	0.3		--	--	--	--	--	--	--	--	2.7
MaC	58.8	58.8	0.1		--	--	--	--	--	--	--	--	0.4
MaD	58.8	58.9	0.1		--	--	--	--	--	--	--	--	--
MaB	58.9	58.9	0.2	PAR37	--	--	--	--	--	--	--	--	0.6
MaC	58.9	58.9	0.2	PAR37	--	--	--	--	--	--	--	--	0.4
MaD	58.9	58.9	0.1	PAR37	--	--	--	--	--	--	--	--	--
TkC	58.9	58.9	0.5	PAR37	--	--	--	--	--	--	--	--	1.0
MaB	58.9	58.9	<0.1		--	--	--	--	--	--	--	--	0.1
TkC	58.9	59.2	0.2		--	--	--	--	--	--	--	--	1.4
MaC	59.2	59.4	0.3		--	--	--	--	--	--	--	--	1.7
MaB	59.4	59.6	0.1		--	--	--	--	--	--	--	--	1.3
MsB	59.6	59.6	<0.1		--	--	--	--	--	--	--	--	--
MaB	59.6	59.7	0.1		--	--	--	--	--	--	--	--	1.3
MsB	59.7	59.8	0.1		--	--	--	--	--	--	--	--	--
TkB	59.8	59.9	0.1		--	--	--	--	--	--	--	--	0.5
TtB	59.9	59.9	0.1		--	--	--	--	--	--	--	--	0.4

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MaB	59.9	60.0	<0.1		--	--	--	--	--	--	--	--	0.3
WeC	60.0	60.1	0.1		--	--	--	--	--	--	--	--	0.7
OpD	60.1	60.2	0.2		--	--	--	0.9	--	--	--	--	--
MaB	60.1	60.1	0.2	PAR38	--	--	--	--	--	--	--	--	0.5
WeC	60.1	60.1	0.1	PAR38	--	--	--	--	--	--	--	--	0.4
OpB	60.2	60.3	0.1		--	--	--	0.9	--	--	--	--	0.9
OrC	60.3	60.4	0.1		--	--	--	0.5	--	--	--	--	--
OpB	60.4	60.5	0.1		--	--	--	0.9	--	--	--	--	0.9
OrE	60.5	60.6	0.1		--	--	--	0.6	--	--	--	--	--
MaB	60.6	60.7	0.1		--	--	--	--	--	--	--	--	0.5
MaD	60.7	60.7	0.1		--	--	--	--	--	--	--	--	--
Bc	60.7	61.0	0.3		--	--	--	--	--	--	--	--	1.5
TkD	61.0	61.1	0.2		--	--	--	--	--	--	--	--	--
WeC	61.1	61.2	0.1		--	--	--	--	--	--	--	--	0.3
LaD	61.2	61.4	0.2		--	--	--	--	--	--	--	--	--
MsB	61.4	61.6	0.3		--	--	--	--	--	--	--	--	--
LdC	61.6	61.7	0.1		--	--	--	--	--	--	--	--	--
MsB	61.7	61.7	0.1		--	--	--	--	--	--	--	--	--
OpE	61.7	61.8	<0.1		--	--	--	0.1	--	--	--	--	--
LoC	61.8	61.9	0.2		--	--	--	1.1	--	--	--	--	1.1
WeB	61.9	62.2	0.2		--	--	--	--	--	--	--	--	1.7
LaC	62.2	62.2	0.1		--	--	--	--	--	--	--	--	0.4
WeB	62.2	62.3	0.1		--	--	--	--	--	--	--	--	1.7

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MrB	62.3	62.5	0.3		--	--	--	--	--	--	--	--	1.5
WeC	62.5	62.6	0.1		--	--	--	--	--	--	--	--	0.3
LaC	62.6	62.6	0.1		--	--	--	--	--	--	--	--	0.4
LaC	62.6	62.6	0.2	PAR39	--	--	--	--	--	--	--	--	0.6
MrA	62.6	62.6	<0.1	PAR39	--	--	--	--	--	--	--	--	0.0
WeB	62.6	62.6	0.1	PAR39	--	--	--	--	--	--	--	--	0.2
WeC	62.6	62.6	0.3	PAR39	--	--	--	--	--	--	--	--	0.7
LoD	62.6	62.8	0.1		--	--	--	1.1	--	--	--	--	--
LoC	62.8	62.8	0.1		--	--	--	0.4	--	--	--	--	0.4
LoE	62.8	62.9	0.1		--	--	--	0.5	--	--	--	--	--
LoD	62.9	63.0	0.1		--	--	--	1.1	--	--	--	--	--
WeD	63.0	63.0	0.1		--	--	--	--	--	--	--	--	--
WeC	63.0	63.1	0.1		--	--	--	--	--	--	--	--	1.2
MsB	63.1	63.2	0.1		--	--	--	--	--	--	--	--	--
WeC	63.2	63.3	0.1		--	--	--	--	--	--	--	--	1.2
LdE	63.3	63.3	0.1		--	--	--	--	--	--	--	--	--
OpD	63.3	63.4	<0.1		--	--	--	0.6	--	--	--	--	--
LoC	63.4	63.4	<0.1		--	--	--	0.5	--	--	--	--	0.5
OpD	63.4	63.5	0.1		--	--	--	0.6	--	--	--	--	--
LoC	63.5	63.5	<0.1		--	--	--	0.5	--	--	--	--	0.5
WeC	63.5	63.7	0.2		--	--	--	--	--	--	--	--	1.1
MsB	63.5	63.5	0.1	PAR40	--	--	--	--	--	--	--	--	--
WeB	63.5	63.5	0.2	PAR40	--	--	--	--	--	--	--	--	0.5

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC	63.5	63.5	0.1	PAR40	--	--	--	--	--	--	--	--	0.3
VoB	63.7	63.8	0.1		--	--	--	--	--	--	--	--	0.5
WeB	63.8	63.9	0.2		--	--	--	--	--	--	--	--	0.9
MsB	63.9	64.0	0.1		--	--	--	--	--	--	--	--	--
WhC	64.0	64.2	0.2		--	--	--	--	--	--	--	--	1.0
MnD	64.2	64.3	0.1		--	--	--	0.7	--	--	--	--	--
HcE	64.3	64.4	0.1		--	--	--	0.7	--	--	--	--	--
MnB	64.4	64.5	0.1		--	--	--	0.5	--	--	--	--	0.5
HcE	64.5	64.5	0.1		--	--	--	0.6	--	--	--	--	--
WmB	64.5	64.7	0.2		--	--	--	--	--	--	--	--	0.9
WeC	64.7	64.8	0.1		--	--	--	--	--	--	--	--	1.3
OeB	64.8	64.8	0.1		--	--	--	--	--	--	--	--	0.4
WmB	64.8	64.9	0.1		--	--	--	--	--	--	--	--	0.3
WeC	64.9	65.0	0.1		--	--	--	--	--	--	--	--	1.3
OpC	65.0	65.1	0.1		--	--	--	0.6	--	--	--	--	0.6
VlE	65.1	65.1	<0.1		--	--	--	0.2	--	--	--	--	--
WeC	65.1	65.2	<0.1		--	--	--	--	--	--	--	--	1.3
WmB	65.2	65.2	<0.1		--	--	--	--	--	--	--	--	0.1
OeB	65.2	65.2	<0.1		--	--	--	--	--	--	--	--	0.2
WeC	65.2	65.3	<0.1		--	--	--	--	--	--	--	--	0.3
WmB	65.3	65.8	0.6		--	--	--	--	--	--	--	--	3.5
OpC	65.8	66.0	0.2		--	--	--	0.9	--	--	--	--	0.9
OpC	65.9	65.9	0.1	PAR41	--	--	--	0.2	--	--	--	--	0.2

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VlB	65.9	65.9	<0.1	PAR41	--	--	--	0.1	--	--	--	--	0.1
OrE	66.0	66.0	0.1		--	--	--	0.3	--	--	--	--	--
WeC	66.0	66.2	0.2		--	--	--	--	--	--	--	--	3.1
MrB	66.2	66.2	<0.1		--	--	--	--	--	--	--	--	0.4
Ce	66.2	66.3	<0.1		--	0.2	--	--	--	--	0.2	--	--
MrB	66.3	66.3	<0.1		--	--	--	--	--	--	--	--	0.4
MrC	66.3	66.3	0.1		--	--	--	--	--	--	--	--	0.3
WeB	66.3	66.6	0.2		--	--	--	--	--	--	--	--	1.4
WeC	66.6	66.7	0.1		--	--	--	--	--	--	--	--	3.1
MrB	66.7	66.8	0.1		--	--	--	--	--	--	--	--	0.6
MrB	66.7	66.7	<0.1	MLV #6 Stewart Rd	--	--	--	--	--	--	--	--	0.1
WeB	66.8	66.8	<0.1		--	--	--	--	--	--	--	--	0.2
MrB	66.8	66.8	<0.1	PAR42	--	--	--	--	--	--	--	--	0.1
WeB	66.8	66.8	<0.1	PAR42	--	--	--	--	--	--	--	--	<0.01
MrA	66.8	66.9	0.1		--	--	--	--	--	--	--	--	0.5
MsB	66.9	66.9	<0.1		--	--	--	--	--	--	--	--	--
WeC	66.9	67.1	0.1		--	--	--	--	--	--	--	--	3.1
MsB	67.1	67.1	<0.1		--	--	--	--	--	--	--	--	--
WeC	67.1	67.2	0.1		--	--	--	--	--	--	--	--	3.1
VlB	67.2	67.3	0.1		--	--	--	0.7	--	--	--	--	0.7
HcE	67.3	67.4	0.1		--	--	--	0.4	--	--	--	--	--
WmB	67.4	67.7	0.3		--	--	--	--	--	--	--	--	2.4

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
HcC	67.7	67.8	0.2		--	--	--	2.2	--	--	--	--	--
WmB	67.8	67.9	0.1		--	--	--	--	--	--	--	--	2.4
HcC	67.9	68.0	0.1		--	--	--	2.2	--	--	--	--	--
HcE	68.0	68.1	0.1		--	--	--	0.7	--	--	--	--	--
HcC	68.1	68.2	0.1		--	--	--	2.2	--	--	--	--	--
WeC	68.2	68.3	0.1		--	--	--	--	--	--	--	--	0.3
WeB	68.3	68.4	0.1		--	--	--	--	--	--	--	--	0.3
LaE	68.3	68.3	0.3	PAR43	--	--	--	--	--	--	--	--	--
WeB	68.3	68.3	<0.1	PAR43	--	--	--	--	--	--	--	--	0.0
WeC	68.3	68.3	0.2	PAR43	--	--	--	--	--	--	--	--	0.7
OpB	68.4	68.5	0.1		--	--	--	1.1	--	--	--	--	1.1
OrC	68.5	68.6	0.1		--	--	--	0.8	--	--	--	--	--
VlC	68.6	68.7	0.1		--	--	--	0.3	--	--	--	--	0.3
OpB	68.7	68.7	<0.1		--	--	--	1.1	--	--	--	--	1.1
LaE	68.7	68.8	0.1		--	--	--	--	--	--	--	--	--
LaD	68.8	68.8	0.1		--	--	--	--	--	--	--	--	--
MrB	68.8	68.8	<0.1		--	--	--	--	--	--	--	--	0.2
WfC	68.8	69.0	0.2		--	--	--	--	--	--	--	--	--
LaC	69.0	69.2	0.2		--	--	--	--	--	--	--	--	1.1
LaD	69.2	69.2	0.1		--	--	--	--	--	--	--	--	--
LdE	69.2	69.5	0.2		--	--	--	--	--	--	--	--	--
MaE	69.5	69.6	0.1		0.5	--	--	--	--	--	--	--	--
LaC	69.6	70.0	0.4		--	--	--	--	--	--	--	--	2.7

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LdC	70.0	70.3	0.3		--	--	--	--	--	--	--	--	--
Bc	70.0	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	0.3
LaC	70.0	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	0.1
LaD	70.0	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	--
LdE	70.0	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	--
WeC	70.0	70.0	0.2	PAR44	--	--	--	--	--	--	--	--	0.4
MsB	70.3	70.4	0.1		--	--	--	--	--	--	--	--	--
LdC	70.4	70.4	0.1		--	--	--	--	--	--	--	--	--
OpC	70.4	70.5	0.1		--	--	--	0.7	--	--	--	--	0.7
LaD	70.5	70.5	0.3	PAR45	--	--	--	--	--	--	--	--	--
LdC	70.5	70.5	0.1	PAR45	--	--	--	--	--	--	--	--	--
OpB	70.5	70.5	0.2	PAR45	--	--	--	0.4	--	--	--	--	0.4
OpC	70.5	70.5	0.3	PAR45	--	--	--	0.3	--	--	--	--	0.3
TtB	70.5	70.5	0.1	PAR45	--	--	--	--	--	--	--	--	0.2
WeC	70.5	70.5	0.2	PAR45	--	--	--	--	--	--	--	--	0.2
OpB	70.5	70.7	0.1		--	--	--	0.8	--	--	--	--	0.8
OrE	70.7	70.8	0.1		--	--	--	0.8	--	--	--	--	--
MrC	70.8	70.9	0.1		--	--	--	--	--	--	--	--	0.6
MrB	70.9	71.0	0.1		--	--	--	--	--	--	--	--	0.6
WeC	71.0	71.0	<0.1		--	--	--	--	--	--	--	--	0.3
OpC	71.0	71.4	0.4		--	--	--	2.1	--	--	--	--	2.1
HcE	71.4	71.5	0.1		--	--	--	0.8	--	--	--	--	--
WeC	71.5	71.8	0.3		--	--	--	--	--	--	--	--	2.0

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MsB	71.8	71.8	<0.1		--	--	--	--	--	--	--	--	--
WeC	71.8	71.8	<0.1		--	--	--	--	--	--	--	--	2.0
LdE	71.8	71.9	0.1		--	--	--	--	--	--	--	--	--
WeC	71.9	72.0	0.1		--	--	--	--	--	--	--	--	2.0
LkC	72.0	72.0	<0.1		--	--	--	--	--	--	--	--	--
VlD	72.0	72.1	0.1		--	--	--	0.6	--	--	--	--	--
HcF	72.1	72.1	0.1		0.3	--	--	0.3	--	--	--	--	--
VlC	72.1	72.2	0.1		--	--	--	0.3	--	--	--	--	0.3
HcE	72.2	72.2	0.1		--	--	--	1.8	--	--	--	--	--
VlC	72.2	72.3	0.1		--	--	--	2.0	--	--	--	--	2.0
HcE	72.3	72.6	0.2		--	--	--	1.8	--	--	--	--	--
VlC	72.6	72.8	0.2		--	--	--	2.0	--	--	--	--	2.0
Ff	72.6	72.6	<0.1	PAR46	--	--	--	--	--	--	<0.01	--	--
HcE	72.6	72.6	0.2	PAR46	--	--	--	1.0	--	--	--	--	--
OfB	72.6	72.6	0.1	PAR46	--	--	--	--	--	--	--	--	--
VlC	72.6	72.6	0.3	PAR46	--	--	--	1.4	--	--	--	--	1.4
W	72.6	72.6	<0.1	PAR46	--	--	--	--	--	--	--	--	--
WmB	72.6	72.6	0.4	PAR46	--	--	--	--	--	--	--	--	1.4
WmC	72.6	72.6	0.1	PAR46	--	--	--	--	--	--	--	--	0.6
WmB	72.8	73.0	0.2		--	--	--	--	--	--	--	--	1.5
VlB	73.0	73.0	<0.1		--	--	--	0.0	--	--	--	--	0.0
HcC	73.0	73.1	0.1		--	--	--	0.3	--	--	--	--	--
VlB	73.1	73.1	<0.1		--	--	--	0.1	--	--	--	--	0.1

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VlC	73.1	73.2	0.1		--	--	--	0.4	--	--	--	--	0.4
VlB	73.2	73.2	0.1		--	--	--	0.4	--	--	--	--	0.4
VlC	73.2	73.3	<0.1		--	--	--	0.2	--	--	--	--	0.2
WmC	73.3	73.3	0.1		--	--	--	--	--	--	--	--	0.4
OeB	73.3	73.5	0.1		--	--	--	--	--	--	--	--	0.7
No	73.5	73.5	0.1		--	--	--	--	--	--	0.3	--	0.3
OfB	73.5	73.6	0.1		--	--	--	--	--	--	--	--	--
OfB	73.6	73.6	0.2	PAR47	--	--	--	--	--	--	--	--	--
WmB	73.6	73.6	0.4	PAR47	--	--	--	--	--	--	--	--	0.4
WmC	73.6	73.6	0.2	PAR47	--	--	--	--	--	--	--	--	0.5
WmB	73.6	73.7	0.1		--	--	--	--	--	--	--	--	0.5
VlC	73.7	73.9	0.1		--	--	--	0.9	--	--	--	--	0.9
HcC	73.9	74.0	0.1		--	--	--	0.9	--	--	--	--	--
VlB	74.0	74.1	0.1		--	--	--	0.4	--	--	--	--	0.4
HcE	74.1	74.2	0.2		--	--	--	0.9	--	--	--	--	--
LkE	74.2	74.3	0.1		--	--	--	--	--	--	--	--	--
WnC	74.3	74.4	0.2		--	--	--	--	--	--	--	--	--
LhC	74.4	74.5	0.1		--	--	--	--	--	--	--	--	0.4
VlC	74.5	74.8	0.4		--	--	--	2.1	--	--	--	--	2.1
LhB	74.8	75.0	0.2		--	--	--	--	--	--	--	--	1.0
VlC	75.0	75.1	0.1		--	--	--	0.5	--	--	--	--	0.5
WmC	75.1	75.2	0.1		--	--	--	--	--	--	--	--	0.6
WmB	75.2	75.3	0.2		--	--	--	--	--	--	--	--	0.9

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WmC	75.3	75.4	0.1		--	--	--	--	--	--	--	--	0.3
HcE	75.4	75.5	0.1		--	--	--	0.4	--	--	--	--	--
VlC	75.5	75.5	0.1		--	--	--	0.5	--	--	--	--	0.5
VlD	75.5	75.6	0.1		--	--	--	0.5	--	--	--	--	--
HcC	75.6	75.7	0.1		--	--	--	0.4	--	--	--	--	--
VlD	75.7	75.8	0.1		--	--	--	0.5	--	--	--	--	--
LhB	75.8	75.8	0.1		--	--	--	--	--	--	--	--	0.5
OeB	75.8	75.9	0.1		--	--	--	--	--	--	--	--	0.4
WmB	75.9	76.0	0.1		--	--	--	--	--	--	--	--	0.6
HcC	76.0	76.1	0.1		--	--	--	0.8	--	--	--	--	--
VlE	76.1	76.2	0.1		--	--	--	0.5	--	--	--	--	--
LhC	76.2	76.3	<0.1		--	--	--	--	--	--	--	--	0.2
WnC	76.3	76.3	0.1		--	--	--	--	--	--	--	--	--
OeA	76.3	76.5	0.2		--	--	--	--	--	--	--	--	1.2
WmB	76.5	76.6	0.1		--	--	--	--	--	--	--	--	1.6
WmC	76.6	76.6	0.1		--	--	--	--	--	--	--	--	0.4
WmB	76.6	76.8	0.2		--	--	--	--	--	--	--	--	1.6
HcC	76.8	76.8	0.1	PAR48	--	--	--	0.2	--	--	--	--	--
VlC	76.8	76.8	<0.1	PAR48	--	--	--	0.1	--	--	--	--	0.1
WmB	76.8	76.8	0.2	PAR48	--	--	--	--	--	--	--	--	0.4
HcC	76.8	77.0	0.1		--	--	--	0.8	--	--	--	--	--
HcE	77.0	77.0	0.1		--	--	--	0.7	--	--	--	--	--
HcC	77.0	77.1	0.1		--	--	--	0.5	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
HcE	77.1	77.2	<0.1		--	--	--	0.7	--	--	--	--	--
ElF	77.2	77.3	0.1		0.5	--	--	--	--	--	--	--	--
LaD	77.3	77.3	<0.1		--	--	--	--	--	--	--	--	--
WeC	77.3	77.5	0.3		--	--	--	--	--	--	--	--	1.9
LaD	77.5	77.6	0.1		--	--	--	--	--	--	--	--	--
WeC	77.6	77.7	0.1		--	--	--	--	--	--	--	--	1.9
MsB	77.7	77.9	0.2		--	--	--	--	--	--	--	--	--
MaC	77.9	78.0	0.1		--	--	--	--	--	--	--	--	0.3
MrB	78.0	78.0	0.1		--	--	--	--	--	--	--	--	0.4
MaD	78.0	78.1	0.1		--	--	--	--	--	--	--	--	--
WeC	78.1	78.2	0.1		--	--	--	--	--	--	--	--	0.4
MaD	78.2	78.2	0.1		--	--	--	--	--	--	--	--	--
MaB	78.2	78.3	0.1		--	--	--	--	--	--	--	--	0.3
De	78.3	78.4	0.1		--	--	--	--	--	--	--	--	0.4
WeD	78.4	78.5	0.2		--	--	--	--	--	--	--	--	--
MrC	78.5	78.6	0.1		--	--	--	--	--	--	--	--	1.0
WeD	78.6	78.7	0.1		--	--	--	--	--	--	--	--	--
MrC	78.7	78.7	<0.1		--	--	--	--	--	--	--	--	1.0
WeD	78.7	78.7	<0.1		--	--	--	--	--	--	--	--	--
MrC	78.7	78.7	0.1		--	--	--	--	--	--	--	--	1.0
VlE	78.7	78.8	0.1		--	--	--	1.1	--	--	--	--	--
VlC	78.8	78.9	0.1		--	--	--	0.4	--	--	--	--	0.4
VlE	78.9	79.0	0.1		--	--	--	1.1	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC	79.0	79.0	<0.1		--	--	--	--	--	--	--	--	0.4
LcD	79.0	79.2	0.2		--	--	--	--	--	--	--	--	--
LhC	79.2	79.2	<0.1		--	--	--	--	--	--	--	--	0.9
LhD	79.2	79.3	0.1		--	--	--	--	--	--	--	--	--
LhC	79.3	79.4	0.1		--	--	--	--	--	--	--	--	0.9
WeC	79.4	79.4	<0.1		--	--	--	--	--	--	--	--	0.4
OeB	79.4	79.5	0.1		--	--	--	--	--	--	--	--	0.4
VlC	79.5	79.7	0.2		--	--	--	1.0	--	--	--	--	1.0
HcE	79.7	79.8	0.2		--	--	--	1.5	--	--	--	--	--
LdE	79.8	80.0	0.1		--	--	--	--	--	--	--	--	--
LcD	80.0	80.0	0.1		--	--	--	--	--	--	--	--	--
HcE	80.0	80.1	0.1		--	--	--	1.5	--	--	--	--	--
ElE	80.1	80.2	0.1		--	--	--	--	--	--	--	--	--
WeB	80.2	80.2	0.1		--	--	--	--	--	--	--	--	0.3
MrC	80.2	80.3	0.1		--	--	--	--	--	--	--	--	0.5
No	80.3	80.4	0.1		--	--	--	--	--	--	0.7	--	0.7
WmC	80.4	80.5	0.1		--	--	--	--	--	--	--	--	0.4
MrC	80.5	80.5	0.1		--	--	--	--	--	--	--	--	0.3
LaD	80.5	80.6	0.1		--	--	--	--	--	--	--	--	--
No	80.6	80.6	<0.1		--	--	--	--	--	--	0.7	--	0.7
MrC	80.6	80.8	0.2		--	--	--	--	--	--	--	--	1.3
WmC	80.8	80.8	<0.1		--	--	--	--	--	--	--	--	0.6
MrC	80.8	80.9	0.1		--	--	--	--	--	--	--	--	1.3

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WmC	80.9	80.9	0.1		--	--	--	--	--	--	--	--	0.6
WmB	80.9	81.0	0.1		--	--	--	--	--	--	--	--	0.4
OfB	81.0	81.0	0.1		--	--	--	--	--	--	--	--	--
HcC	81.0	81.1	0.1		--	--	--	0.5	--	--	--	--	--
VlD	81.1	81.2	0.1		--	--	--	0.3	--	--	--	--	--
VlB	81.2	81.3	0.1		--	--	--	0.7	--	--	--	--	0.7
VlE	81.3	81.5	0.2		--	--	--	1.3	--	--	--	--	--
LdE	81.5	81.6	0.1		--	--	--	--	--	--	--	--	--
TkE	81.6	81.7	0.1		0.6	--	--	--	--	--	--	--	--
MaC	81.7	81.9	0.2		--	--	--	--	--	--	--	--	1.0
MaC	81.8	81.8	<0.1	MLV #7 County Rd 10	--	--	--	--	--	--	--	--	0.1
WeB	81.9	82.0	0.1		--	--	--	--	--	--	--	--	0.8
MrB	82.0	82.0	0.1		--	--	--	--	--	--	--	--	0.3
WfC	82.0	82.1	<0.1		--	--	--	--	--	--	--	--	--
LaD	82.1	82.2	0.1		--	--	--	--	--	--	--	--	--
LaC	82.2	82.3	0.1		--	--	--	--	--	--	--	--	0.8
WeC	82.3	82.4	<0.1		--	--	--	--	--	--	--	--	0.2
OpF	82.4	82.4	<0.1		0.2	--	--	0.2	--	--	--	--	--
OpC	82.4	82.6	0.3		--	--	--	1.6	--	--	--	--	1.6
LaC	82.6	82.7	0.1		--	--	--	--	--	--	--	--	0.4
WeB	82.7	82.9	0.2		--	--	--	--	--	--	--	--	1.4
VlB	82.9	83.1	0.2		--	--	--	1.1	--	--	--	--	1.1

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WmB	83.1	83.2	0.1		--	--	--	--	--	--	--	--	1.1
MrB	83.2	83.2	<0.1		--	--	--	--	--	--	--	--	0.6
WmB	83.2	83.3	0.1		--	--	--	--	--	--	--	--	1.1
MrB	83.3	83.4	0.1		--	--	--	--	--	--	--	--	0.6
OfB	83.4	83.5	0.1		--	--	--	--	--	--	--	--	--
MnB	83.5	83.5	<0.1		--	--	--	2.1	--	--	--	--	2.1
MnC	83.5	83.7	0.1		--	--	--	0.7	--	--	--	--	0.7
MnB	83.7	83.7	<0.1		--	--	--	2.1	--	--	--	--	2.1
LoC	83.7	83.7	<0.1		--	--	--	0.6	--	--	--	--	0.6
MnB	83.7	83.8	0.1		--	--	--	2.1	--	--	--	--	2.1
MkB	83.8	83.9	0.1		--	--	--	0.3	--	--	--	--	0.3
MnB	83.9	84.0	0.2		--	--	--	2.1	--	--	--	--	2.1
HcC	84.0	84.3	0.2		--	--	--	1.4	--	--	--	--	--
LoB	84.3	84.4	0.1		--	--	--	0.6	--	--	--	--	0.6
BtB	84.3	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	0.1
HcC	84.3	84.3	<0.1	PAR54	--	--	--	0.0	--	--	--	--	--
LoB	84.3	84.3	<0.1	PAR54	--	--	--	0.1	--	--	--	--	0.1
LoC	84.3	84.3	<0.1	PAR54	--	--	--	0.1	--	--	--	--	0.1
MdB	84.3	84.3	<0.1	PAR54	--	--	--	--	--	--	--	--	0.1
MdC	84.3	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	0.3
MsB	84.3	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	--
WfC	84.3	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	--
LoC	84.4	84.4	0.1		--	--	--	0.6	--	--	--	--	0.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MdC	84.4	84.5	<0.1		--	--	--	--	--	--	--	--	0.3
MdB	84.5	84.5	<0.1		--	--	--	--	--	--	--	--	0.9
MsB	84.5	84.5	<0.1		--	--	--	--	--	--	--	--	--
MdB	84.5	84.7	0.1		--	--	--	--	--	--	--	--	0.9
MrB	84.7	84.7	0.1		--	--	--	--	--	--	--	--	0.4
No	84.7	84.8	0.1		--	--	--	--	--	--	0.4	--	0.4
WfC	84.8	84.8	<0.1		--	--	--	--	--	--	--	--	--
ElE	84.8	84.9	<0.1		--	--	--	--	--	--	--	--	--
HcE	84.9	84.9	<0.1		--	--	--	0.2	--	--	--	--	--
HcC	84.9	84.9	<0.1		--	--	--	0.1	--	--	--	--	--
WhB	84.9	85.0	0.2		--	--	--	--	--	--	--	--	0.9
WmA	85.0	85.2	0.2		--	--	--	--	--	--	--	--	0.9
OeA	85.2	85.2	0.1		--	--	--	--	--	--	--	--	0.3
WnC	85.2	85.3	0.1		--	--	--	--	--	--	--	--	--
LhB	85.3	85.4	0.1		--	--	--	--	--	--	--	--	0.4
WmB	85.4	85.5	0.1		--	--	--	--	--	--	--	--	0.7
WnC	85.5	85.8	0.3		--	--	--	--	--	--	--	--	--
WmB	85.8	85.8	<0.1		--	--	--	--	--	--	--	--	0.3
OfB	85.8	85.8	<0.1		--	--	--	--	--	--	--	--	--
WmB	85.8	85.8	<0.1		--	--	--	--	--	--	--	--	0.3
No	85.8	85.9	0.1		--	--	--	--	--	--	0.5	--	0.5
OfB	85.9	86.0	0.1		--	--	--	--	--	--	--	--	--
LkC	86.0	86.0	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WnC	86.0	86.1	0.1		--	--	--	--	--	--	--	--	--
OfB	86.1	86.2	0.1		--	--	--	--	--	--	--	--	--
WnC	86.2	86.2	<0.1		--	--	--	--	--	--	--	--	--
MnD	86.2	86.3	0.1		--	--	--	0.5	--	--	--	--	--
MnB	86.3	86.4	0.1		--	--	--	0.6	--	--	--	--	0.6
WmB	86.4	86.6	0.2		--	--	--	--	--	--	--	--	1.8
WmA	86.6	86.6	0.1		--	--	--	--	--	--	--	--	0.4
WmB	86.6	86.7	0.1		--	--	--	--	--	--	--	--	1.8
VlB	86.7	86.9	0.1		--	--	--	1.1	--	--	--	--	1.1
HcC	86.9	86.9	<0.1		--	--	--	2.4	--	--	--	--	--
VlB	86.9	86.9	<0.1		--	--	--	1.1	--	--	--	--	1.1
HcC	86.9	87.3	0.4		--	--	--	2.4	--	--	--	--	--
HcF	87.3	87.4	0.1		0.4	--	--	0.4	--	--	--	--	--
HcE	87.4	87.5	0.1		--	--	--	0.8	--	--	--	--	--
LdE	87.5	87.6	0.1		--	--	--	--	--	--	--	--	--
BtD	87.6	87.6	<0.1		--	--	--	--	--	--	--	--	--
LdE	87.6	87.7	0.1		--	--	--	--	--	--	--	--	--
VaB	87.7	87.7	0.1		--	--	--	--	--	--	--	--	0.5
ChC	87.7	87.7	0.1	TAR5	--	--	--	--	--	--	--	--	0.3
VaB	87.7	87.7	0.2	TAR5	--	--	--	--	--	--	--	--	0.5
ChC	87.7	87.8	0.1		--	--	--	--	--	--	--	--	0.5
Ff	87.8	87.9	0.1		--	--	--	--	--	--	0.4	--	--
TtA	87.9	88.1	0.2		--	--	--	--	--	--	--	--	1.0

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VaB	88.1	88.1	0.1		--	--	--	--	--	--	--	--	0.5
BtC	88.1	88.2	0.1		--	--	--	--	--	--	--	--	0.4
BtD	88.2	88.4	0.2		--	--	--	--	--	--	--	--	--
WfC	88.4	88.5	0.1		--	--	--	--	--	--	--	--	--
MdC	88.5	88.6	0.1		--	--	--	--	--	--	--	--	0.4
BtD	88.6	88.7	0.1		--	--	--	--	--	--	--	--	--
BtC	88.7	88.8	0.1		--	--	--	--	--	--	--	--	0.6
MnC	88.8	89.2	0.4		--	--	--	2.4	--	--	--	--	2.4
HcC	89.2	89.4	0.2		--	--	--	1.5	--	--	--	--	--
HcC	89.3	89.3	0.1	PAR56	--	--	--	0.4	--	--	--	--	--
LeC	89.3	89.3	<0.1	PAR56	--	--	--	--	--	--	--	--	0.0
MnB	89.3	89.3	0.1	PAR56	--	--	--	0.4	--	--	--	--	0.4
WhB	89.3	89.3	<0.1	PAR56	--	--	--	--	--	--	--	--	0.1
MnC	89.4	89.8	0.3		--	--	--	2.0	--	--	--	--	2.0
OnB	89.8	90.1	0.3		--	--	--	--	--	--	--	--	2.0
WhB	90.1	90.4	0.3		--	--	--	--	--	--	--	--	2.8
LeC	90.4	90.6	0.1		--	--	--	--	--	--	--	--	0.8
WhB	90.6	90.7	0.1		--	--	--	--	--	--	--	--	2.8
OnB	90.7	90.8	0.1		--	--	--	--	--	--	--	--	0.4
WhB	90.8	91.0	0.2		--	--	--	--	--	--	--	--	3.0
WnC	91.0	91.2	0.2		--	--	--	--	--	--	--	--	--
HcC	91.2	91.5	0.3		--	--	--	1.7	--	--	--	--	--
MnC	91.5	91.6	0.2		--	--	--	1.0	--	--	--	--	1.0

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LeC	91.6	91.7	0.1		--	--	--	--	--	--	--	--	0.4
MnC	91.7	91.8	0.1		--	--	--	0.6	--	--	--	--	0.6
OnA	91.8	91.8	0.1		--	--	--	--	--	--	--	--	0.3
WhB	91.8	91.9	0.1		--	--	--	--	--	--	--	--	3.0
HcC	91.9	92.1	0.1		--	--	--	0.9	--	--	--	--	--
MnB	92.1	92.2	0.1		--	--	--	0.5	--	--	--	--	0.5
MnD	92.2	92.2	0.1		--	--	--	0.5	--	--	--	--	--
WhB	92.2	92.4	0.2		--	--	--	--	--	--	--	--	3.0
WhC	92.4	92.5	<0.1		--	--	--	--	--	--	--	--	0.2
MnC	92.5	92.6	0.2		--	--	--	0.9	--	--	--	--	0.9
VlD	92.6	92.9	0.2		--	--	--	1.5	--	--	--	--	--
VlB	92.7	92.7	<0.1	TAR4	--	--	--	<0.01	--	--	--	--	<0.01
VlD	92.7	92.7	0.1	TAR4	--	--	--	0.3	--	--	--	--	--
HcE	92.9	93.0	0.1		--	--	--	0.9	--	--	--	--	--
VlB	93.0	93.2	0.3		--	--	--	1.7	--	--	--	--	1.7
HcE	93.2	93.3	0.1		--	--	--	0.9	--	--	--	--	--
BtE	93.3	93.4	0.1		--	--	--	--	--	--	--	--	--
Schoharie													
WhB	93.4	93.4	<0.1		--	--	--	--	--	--	--	--	3.0
HcC	93.4	93.5	0.2		--	--	--	0.9	--	--	--	--	--
CuC	93.5	93.6	0.1		--	--	--	--	--	--	--	--	0.4
MeE	93.6	93.7	0.1		--	--	--	--	--	--	--	--	--
CaD	93.7	93.7	<0.1		--	--	1.1	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MeE	93.7	93.7	<0.1		--	--	--	--	--	--	--	--	--
CaD	93.7	93.8	0.1		--	--	1.1	--	--	--	--	--	--
MeE	93.8	93.9	<0.1		--	--	--	--	--	--	--	--	--
VmC	93.9	93.9	<0.1		--	--	--	--	--	--	--	--	--
CaD	93.9	93.9	0.1		--	--	1.1	--	--	--	--	--	--
VmC	93.9	94.1	0.2		--	--	--	--	--	--	--	--	--
LmD	94.1	94.2	<0.1		--	--	--	0.2	--	--	--	--	--
LoE	94.2	94.2	0.1		--	--	--	1.0	--	--	--	--	--
McC	94.2	94.2	<0.1		--	--	--	--	--	--	--	--	0.2
LoE	94.2	94.4	0.1		--	--	--	1.0	--	--	--	--	--
LrF	94.4	94.4	0.1		0.5	--	--	0.5	--	--	--	--	--
LmE	94.4	94.5	0.1		--	--	--	0.4	--	--	--	--	--
LmD	94.5	94.5	<0.1		--	--	--	0.2	--	--	--	--	--
LmE	94.5	94.5	<0.1		--	--	--	0.4	--	--	--	--	--
McD	94.5	94.6	0.1		--	--	--	--	--	--	--	--	--
McB	94.6	94.6	<0.1		--	--	--	--	--	--	--	--	0.2
McD	94.6	94.9	0.2		--	--	--	--	--	--	--	--	--
VcC	94.9	94.9	<0.1		--	--	--	--	--	--	--	--	0.7
McD	94.9	94.9	<0.1		--	--	--	--	--	--	--	--	--
VcC	94.9	95.0	0.1		--	--	--	--	--	--	--	--	0.7
McD	95.0	95.0	<0.1		--	--	--	--	--	--	--	--	--
ThA	95.0	95.1	0.1		--	--	--	--	--	--	--	--	0.6

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
ThA	95.1	95.1	<0.1	MLV #8 Clapper Hollow Rd	--	--	--	--	--	--	--	--	0.1
McD	95.1	95.1	<0.1	PAR59	--	--	--	--	--	--	--	--	--
ThA	95.1	95.1	<0.1	PAR59	--	--	--	--	--	--	--	--	0.0
TnF	95.1	95.2	0.1		0.3	--	--	--	--	--	--	--	--
Ha	95.2	95.2	0.1		--	--	--	--	--	--	0.4	0.4	0.4
MdF	95.2	95.3	<0.1		0.2	--	0.2	--	--	--	--	--	--
McC	95.3	95.4	0.2		--	--	--	--	--	--	--	--	0.9
VmC	95.4	95.7	0.3		--	--	--	--	--	--	--	--	--
LoE	95.7	95.8	0.1		--	--	--	0.7	--	--	--	--	--
VmC	95.8	95.8	<0.1		--	--	--	--	--	--	--	--	--
LoE	95.8	95.9	0.1		--	--	--	0.7	--	--	--	--	--
LmD	95.9	96.1	0.2		--	--	--	2.2	--	--	--	--	--
LmC	96.0	96.0	<0.1	PAR60	--	--	--	0.1	--	--	--	--	0.1
LmD	96.0	96.0	0.2	PAR60	--	--	--	0.3	--	--	--	--	--
LmE	96.0	96.0	<0.1	PAR60	--	--	--	0.1	--	--	--	--	--
LoE	96.0	96.0	0.1	PAR60	--	--	--	0.1	--	--	--	--	--
VcC	96.0	96.0	0.3	PAR60	--	--	--	--	--	--	--	--	1.0
McC	96.1	96.1	0.1		--	--	--	--	--	--	--	--	1.0
LmD	96.1	96.2	<0.1		--	--	--	2.2	--	--	--	--	--
McC	96.2	96.3	0.1		--	--	--	--	--	--	--	--	1.0
LmD	96.3	96.4	0.2		--	--	--	2.2	--	--	--	--	--
LmC	96.4	96.5	<0.1		--	--	--	0.2	--	--	--	--	0.2

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LmD	96.5	96.6	0.1		--	--	--	1.2	--	--	--	--	--
LmC	96.6	96.6	0.1		--	--	--	0.4	--	--	--	--	0.4
LmD	96.6	96.6	<0.1		--	--	--	1.2	--	--	--	--	--
TaB	96.6	96.7	<0.1		--	--	--	0.6	--	--	--	--	0.6
LmD	96.7	96.8	0.1		--	--	--	1.2	--	--	--	--	--
TaB	96.8	96.8	0.1		--	--	--	0.6	--	--	--	--	0.6
McB	96.8	97.0	0.1		--	--	--	--	--	--	--	--	0.8
McC	97.0	97.0	0.1		--	--	--	--	--	--	--	--	0.4
VmC	97.0	97.1	<0.1		--	--	--	--	--	--	--	--	--
TaB	97.1	97.1	0.1		--	--	--	0.5	--	--	--	--	0.5
McC	97.1	97.2	<0.1		--	--	--	--	--	--	--	--	0.2
LmD	97.2	97.2	<0.1		--	--	--	0.4	--	--	--	--	--
LmC	97.2	97.3	0.1		--	--	--	0.4	--	--	--	--	0.4
LmD	97.3	97.3	<0.1		--	--	--	0.4	--	--	--	--	--
TaB	97.3	97.4	0.1		--	--	--	0.4	--	--	--	--	0.4
ChC	97.4	97.4	<0.1		--	--	--	--	--	--	0.3	0.3	0.3
McC	97.4	97.5	<0.1		--	--	--	--	--	--	--	--	0.2
McB	97.5	97.6	0.2		--	--	--	--	--	--	--	--	1.0
TaB	97.6	97.6	<0.1		--	--	--	0.1	--	--	--	--	0.1
LmD	97.6	97.7	0.1		--	--	--	0.5	--	--	--	--	--
CnC	97.7	97.7	<0.1		--	--	--	--	--	--	0.4	0.4	--
LoE	97.7	97.7	<0.1		--	--	--	0.1	--	--	--	--	--
CnC	97.7	97.8	0.1		--	--	--	--	--	--	0.4	0.4	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LoE	97.8	98.5	0.7		--	--	--	4.7	--	--	--	--	--
LrF	98.5	98.5	<0.1		0.2	--	--	0.2	--	--	--	--	--
LoE	98.5	98.5	<0.1		--	--	--	4.7	--	--	--	--	--
McC	98.5	98.6	<0.1		--	--	--	--	--	--	--	--	0.2
LoE	98.6	98.6	0.1		--	--	--	4.7	--	--	--	--	--
CnC	98.6	98.6	<0.1		--	--	--	--	--	--	0.2	0.2	--
VmC	98.6	99.1	0.5		--	--	--	--	--	--	--	--	--
TaB	99.1	99.3	0.2		--	--	--	1.3	--	--	--	--	1.3
LmC	99.3	99.4	0.1		--	--	--	3.2	--	--	--	--	3.2
LoE	99.4	99.4	<0.1		--	--	--	0.1	--	--	--	--	--
LmC	99.4	99.5	0.1		--	--	--	3.2	--	--	--	--	3.2
VcB	99.5	99.5	0.1		--	--	--	--	--	--	--	--	0.4
LmC	99.5	99.9	0.4		--	--	--	3.2	--	--	--	--	3.2
LmC	99.9	99.9	0.1	PAR63	--	--	--	0.1	--	--	--	--	0.1
LmD	99.9	99.9	<0.1	PAR63	--	--	--	0.1	--	--	--	--	--
LmE	99.9	99.9	0.1	PAR63	--	--	--	0.2	--	--	--	--	--
LmD	99.9	100.1	0.2		--	--	--	1.4	--	--	--	--	--
LmA	100.1	100.2	0.1		--	--	--	0.4	--	--	--	--	0.4
LmD	100.2	100.3	0.1		--	--	--	0.4	--	--	--	--	--
LmC	100.3	100.3	0.1		--	--	--	0.4	--	--	--	--	0.4
VcB	100.3	100.4	0.1		--	--	--	--	--	--	--	--	0.6
McB	100.4	100.7	0.3		--	--	--	--	--	--	--	--	1.6
LmD	100.7	100.7	<0.1		--	--	--	0.3	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LmC	100.7	100.8	<0.1		--	--	--	0.1	--	--	--	--	0.1
LmD	100.8	100.8	<0.1		--	--	--	0.3	--	--	--	--	--
LmC	100.8	100.8	<0.1		--	--	--	0.7	--	--	--	--	0.7
LmD	100.8	100.8	<0.1		--	--	--	0.1	--	--	--	--	--
LmC	100.8	100.9	0.1		--	--	--	0.7	--	--	--	--	0.7
VcB	100.9	100.9	<0.1		--	--	--	--	--	--	--	--	0.3
ChC	100.9	101.0	0.1		--	--	--	--	--	--	0.7	0.7	0.7
McC	101.0	101.1	0.1		--	--	--	--	--	--	--	--	0.7
ChC	101.1	101.1	<0.1		--	--	--	--	--	--	0.7	0.7	0.7
McC	101.1	101.2	0.1		--	--	--	--	--	--	--	--	0.7
LmC	101.2	101.4	0.2		--	--	--	1.3	--	--	--	--	1.3
ChC	101.4	101.4	<0.1		--	--	--	--	--	--	0.1	0.1	0.1
ChA	101.4	101.4	<0.1		--	--	--	--	--	--	0.3	0.3	0.3
VcB	101.4	101.5	<0.1		--	--	--	--	--	--	--	--	0.4
ChA	101.5	101.5	<0.1		--	--	--	--	--	--	0.3	0.3	0.3
VcB	101.5	101.5	<0.1		--	--	--	--	--	--	--	--	0.4
McC	101.5	101.5	<0.1	TAR2	--	--	--	--	--	--	--	--	0.1
VcB	101.5	101.5	<0.1	TAR2	--	--	--	--	--	--	--	--	0.1
McC	101.5	101.5	<0.1		--	--	--	--	--	--	--	--	0.1
McD	101.5	101.6	<0.1		--	--	--	--	--	--	--	--	--
VcC	101.6	101.6	<0.1		--	--	--	--	--	--	--	--	0.1
McD	101.6	101.6	<0.1		--	--	--	--	--	--	--	--	--
VcB	101.6	101.7	0.1		--	--	--	--	--	--	--	--	0.3

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VcC	101.7	101.7	<0.1		--	--	--	--	--	--	--	--	0.2
ChC	101.7	101.7	<0.1		--	--	--	--	--	--	0.3	0.3	0.3
VcB	101.7	101.7	<0.1		--	--	--	--	--	--	--	--	0.1
LoE	101.7	101.8	0.1		--	--	--	0.5	--	--	--	--	--
LmC	101.8	101.9	0.1		--	--	--	0.8	--	--	--	--	0.8
LmD	101.9	102.0	<0.1		--	--	--	0.3	--	--	--	--	--
GP	102.0	102.0	<0.1		--	--	--	--	--	--	--	--	--
LmC	102.0	102.0	<0.1		--	--	--	0.8	--	--	--	--	0.8
GP	102.0	102.0	<0.1		--	--	--	--	--	--	--	--	--
LmD	102.0	102.0	<0.1		--	--	--	0.3	--	--	--	--	--
LmC	102.0	102.1	<0.1		--	--	--	0.2	--	--	--	--	0.2
VcB	102.1	102.1	0.1		--	--	--	--	--	--	--	--	0.4
LmC	102.1	102.2	0.1		--	--	--	0.7	--	--	--	--	0.7
VcB	102.2	102.2	<0.1		--	--	--	--	--	--	--	--	0.1
LmC	102.2	102.3	<0.1		--	--	--	0.7	--	--	--	--	0.7
LoE	102.3	102.3	0.1		--	--	--	0.4	--	--	--	--	--
VmC	102.3	102.4	0.1		--	--	--	--	--	--	--	--	--
VcB	102.4	102.5	0.1		--	--	--	--	--	--	--	--	0.9
LoE	102.5	102.6	<0.1		--	--	--	7.3	--	--	--	--	--
LmC	102.6	102.8	0.2		--	--	--	1.1	--	--	--	--	1.1
LoE	102.8	102.9	0.2		--	--	--	7.3	--	--	--	--	--
CnC	102.9	103.0	0.1		--	--	--	--	--	--	0.7	0.7	--
LoE	103.0	104.1	1.0		--	--	--	7.3	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
ArC	103.4	103.4	0.2	PAR66	--	--	--	0.5	--	--	--	--	--
LmD	103.4	103.4	<0.1	PAR66	--	--	--	0.1	--	--	--	--	--
LoE	103.4	103.4	0.4	PAR66	--	--	--	1.0	--	--	--	--	--
LrF	103.4	103.4	0.1	PAR66	0.2	--	--	0.2	--	--	--	--	--
LmD	104.1	104.1	0.1		--	--	--	0.3	--	--	--	--	--
VcB	104.1	104.2	0.1		--	--	--	--	--	--	--	--	1.8
ChA	104.2	104.2	<0.1		--	--	--	--	--	--	0.2	0.2	0.2
VcB	104.2	104.4	0.2		--	--	--	--	--	--	--	--	1.8
VcC	104.4	104.5	0.1		--	--	--	--	--	--	--	--	0.5
MeE	104.5	104.5	<0.1		--	--	--	--	--	--	--	--	--
LrF	104.5	104.6	0.1		0.5	--	--	0.5	--	--	--	--	--
McD	104.6	104.7	<0.1		--	--	--	--	--	--	--	--	--
ChC	104.7	104.7	<0.1		--	--	--	--	--	--	0.4	0.4	0.4
LaA	104.7	104.7	<0.1		--	--	--	--	--	--	0.1	0.1	0.1
McC	104.7	104.7	<0.1		--	--	--	--	--	--	--	--	0.1
ChC	104.7	104.7	<0.1		--	--	--	--	--	--	0.4	0.4	0.4
McD	104.7	104.8	<0.1		--	--	--	--	--	--	--	--	--
LmE	104.8	104.8	<0.1		--	--	--	0.1	--	--	--	--	--
McD	104.8	104.9	0.1		--	--	--	--	--	--	--	--	--
VcC	104.9	105.0	0.2		--	--	--	--	--	--	--	--	0.8
McD	105.0	105.0	<0.1		--	--	--	--	--	--	--	--	--
LrF	105.0	105.0	<0.1		0.5	--	--	0.5	--	--	--	--	--
LmE	105.0	105.1	0.1		--	--	--	0.3	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LmD	105.1	105.2	0.1		--	--	--	0.4	--	--	--	--	--
LmE	105.2	105.2	<0.1		--	--	--	0.2	--	--	--	--	--
LmC	105.2	105.2	<0.1		--	--	--	0.1	--	--	--	--	0.1
LoE	105.2	105.3	0.1		--	--	--	0.6	--	--	--	--	--
LmD	105.3	105.5	0.2		--	--	--	1.1	--	--	--	--	--
LrF	105.5	105.7	0.3		1.5	--	--	1.5	--	--	--	--	--
Ha	105.7	105.9	0.1		--	--	--	--	--	--	1.0	1.0	1.0
ChC	105.9	106.0	0.1		--	--	--	--	--	--	0.9	0.9	0.9
LrF	106.0	106.1	0.1		0.4	--	--	0.4	--	--	--	--	--
LmE	106.1	106.6	0.5		--	--	--	3.0	--	--	--	--	--
Ha	106.4	106.4	<0.1	PAR68	--	--	--	--	--	--	0.0	0.0	0.0
LmE	106.4	106.4	0.1	PAR68	--	--	--	0.2	--	--	--	--	--
Ha	106.6	106.6	<0.1		--	--	--	--	--	--	1.0	1.0	1.0
McD	106.6	107.0	0.4		--	--	--	--	--	--	--	--	--
ChC	107.0	107.0	<0.1		--	--	--	--	--	--	0.1	0.1	0.1
VcC	107.0	107.2	0.2		--	--	--	--	--	--	--	--	1.3
LmD	107.2	107.3	0.1		--	--	--	0.7	--	--	--	--	--
LmE	107.3	107.4	0.1		--	--	--	0.4	--	--	--	--	--
ArC	107.4	107.5	0.1		--	--	--	0.5	--	--	--	--	--
TaB	107.5	107.5	0.1		--	--	--	0.4	--	--	--	--	0.4
ArC	107.5	107.5	<0.1		--	--	--	0.5	--	--	--	--	--
LrF	107.5	107.6	0.1		0.7	--	--	0.7	--	--	--	--	--
LoE	107.6	107.6	<0.1		--	--	--	0.9	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
ArC	107.6	107.7	0.1		--	--	--	0.7	--	--	--	--	--
LrF	107.7	107.8	0.1		0.7	--	--	0.7	--	--	--	--	--
LoE	107.8	107.9	0.1		--	--	--	0.9	--	--	--	--	--
McC	107.9	108.1	0.1		--	--	--	--	--	--	--	--	0.9
VcC	108.1	108.2	0.1		--	--	--	--	--	--	--	--	1.1
ChC	108.2	108.2	0.1		--	--	--	--	--	--	0.3	0.3	0.3
VcC	108.2	108.3	0.1		--	--	--	--	--	--	--	--	1.1
LoE	108.3	108.4	0.1		--	--	--	0.5	--	--	--	--	--
LmC	108.4	108.6	0.2		--	--	--	1.1	--	--	--	--	1.1
LmC	108.5	108.5	<0.1	MLV #9 Access Rd Dodge Lodge Rd	--	--	--	0.1	--	--	--	--	0.1
LoE	108.5	108.5	<0.1	MLV #9 Access Rd Dodge Lodge Rd	--	--	--	0.0	--	--	--	--	
VcB	108.6	108.6	<0.1		--	--	--	--	--	--	--	--	0.7
ChC	108.6	108.6	<0.1		--	--	--	--	--	--	0.2	0.2	0.2
VcB	108.6	108.7	0.1		--	--	--	--	--	--	--	--	0.7
LmD	108.7	108.7	<0.1		--	--	--	0.1	--	--	--	--	--
LoE	108.7	109.0	0.3		--	--	--	1.6	--	--	--	--	--
LrF	109.0	109.2	0.2		1.0	--	--	1.0	--	--	--	--	--
LmE	109.2	109.2	<0.1		--	--	--	0.2	--	--	--	--	--
LmC	109.2	109.3	0.1		--	--	--	0.4	--	--	--	--	0.4

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VcB	109.3	109.4	0.2		--	--	--	--	--	--	--	--	1.0
McB	109.4	109.4	<0.1		--	--	--	--	--	--	--	--	0.1
McC	109.4	109.5	<0.1		--	--	--	--	--	--	--	--	0.1
LmD	109.5	109.5	<0.1		--	--	--	0.3	--	--	--	--	--
Al	109.5	109.5	<0.1		--	--	--	--	--	--	0.1	--	--
McC	109.5	109.6	0.1		--	--	--	--	--	--	--	--	0.5
McB	109.6	109.7	0.1		--	--	--	--	--	--	--	--	0.7
ChC	109.7	109.7	<0.1		--	--	--	--	--	--	0.1	0.1	0.1
LoE	109.7	109.9	0.2		--	--	--	1.5	--	--	--	--	--
LmC	109.9	110.0	0.1		--	--	--	0.7	--	--	--	--	0.7
LoE	110.0	110.1	0.1		--	--	--	1.5	--	--	--	--	--
ChC	110.1	110.2	0.1		--	--	--	--	--	--	1.0	1.0	1.0
ArC	110.2	110.3	0.1		--	--	--	0.5	--	--	--	--	--
ChC	110.3	110.3	<0.1		--	--	--	--	--	--	1.0	1.0	1.0
LmD	110.3	110.4	0.1		--	--	--	0.4	--	--	--	--	--
ChC	110.4	110.4	<0.1		--	--	--	--	--	--	1.0	1.0	1.0
LmD	110.4	110.5	<0.1		--	--	--	0.3	--	--	--	--	--
McC	110.5	110.8	0.3		--	--	--	--	--	--	--	--	1.7
TaB	110.8	110.9	0.1		--	--	--	1.0	--	--	--	--	1.0
LmD	110.9	111.0	0.1		--	--	--	0.5	--	--	--	--	--
TaB	111.0	111.0	0.1		--	--	--	1.0	--	--	--	--	1.0
LmE	111.0	111.0	<0.1		--	--	--	0.2	--	--	--	--	--
LmC	111.0	111.3	0.2		--	--	--	1.4	--	--	--	--	1.4

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VcC	111.3	111.3	<0.1		--	--	--	--	--	--	--	--	0.1
McC	111.3	111.5	0.2		--	--	--	--	--	--	--	--	1.0
VcB	111.5	111.5	<0.1		--	--	--	--	--	--	--	--	0.2
ChC	111.5	111.5	0.1		--	--	--	--	--	--	0.3	0.3	0.3
VcB	111.5	111.7	0.2		--	--	--	--	--	--	--	--	1.0
LmC	111.7	111.7	0.1		--	--	--	0.3	--	--	--	--	0.3
LmD	111.7	111.8	0.1		--	--	--	0.5	--	--	--	--	--
LmE	111.8	111.9	0.1		--	--	--	0.6	--	--	--	--	--
LoE	111.9	112.0	0.1		--	--	--	0.6	--	--	--	--	--
MeE	112.0	112.4	0.3		--	--	--	--	--	--	--	--	--
McC	112.4	112.4	<0.1		--	--	--	--	--	--	--	--	0.1
MeE	112.4	112.5	0.1		--	--	--	--	--	--	--	--	--
LoE	112.5	112.7	0.1		--	--	--	1.0	--	--	--	--	--
LrF	112.7	112.7	<0.1		3.0	--	--	3.0	--	--	--	--	--
LoE	112.7	112.7	<0.1		--	--	--	1.0	--	--	--	--	--
LrF	112.7	112.7	<0.1		3.0	--	--	3.0	--	--	--	--	--
MeE	112.7	112.8	0.1		--	--	--	--	--	--	--	--	--
LrF	112.8	112.9	0.1		3.0	--	--	3.0	--	--	--	--	--
MeE	112.9	112.9	0.1		--	--	--	--	--	--	--	--	--
LrF	112.9	113.3	0.4		3.0	--	--	3.0	--	--	--	--	--
DdD	113.3	113.4	<0.1		--	--	--	--	--	--	--	--	--
Al	113.4	113.4	0.1		--	--	--	--	--	--	0.3	--	--
Wa	113.4	113.4	<0.1		--	--	--	--	--	--	0.6	0.6	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
Bm	113.4	113.5	0.1		--	--	--	--	--	--	--	--	0.4
Wa	113.5	113.6	0.1		--	--	--	--	--	--	0.6	0.6	--
IlC	113.6	113.6	0.1		--	--	--	--	--	--	0.4	--	0.4
NdC	113.6	113.7	0.1		--	--	--	--	--	--	--	--	--
ShB	113.7	113.7	<0.1		--	--	--	--	--	--	--	--	0.2
LaA	113.7	113.8	0.1		--	--	--	--	--	--	0.4	0.4	0.4
McD	113.8	113.9	0.1		--	--	--	--	--	--	--	--	--
LmE	113.9	114.0	0.1		--	--	--	0.5	--	--	--	--	--
LmC	114.0	114.0	0.1		--	--	--	0.3	--	--	--	--	0.3
LmE	114.0	114.0	<0.1		--	--	--	0.5	--	--	--	--	--
LoE	114.0	114.4	0.4		--	--	--	2.3	--	--	--	--	--
LmE	114.4	114.6	0.1		--	--	--	0.8	--	--	--	--	--
LrF	114.6	114.6	0.1		0.3	--	--	0.3	--	--	--	--	--
NdD3	114.6	114.7	0.1		--	--	--	--	--	--	--	--	--
DcC3	114.7	114.7	<0.1		--	--	--	--	--	--	--	--	--
Wa	114.7	114.8	0.1		--	--	--	--	--	--	0.8	0.8	--
NdC3	114.8	115.0	0.2		--	--	--	--	--	--	--	--	--
DaB	115.0	115.2	0.2		--	--	--	--	--	--	--	--	--
IlC	115.2	115.2	<0.1		--	--	--	--	--	--	0.5	--	0.5
NdB	115.2	115.3	0.1		--	--	--	--	--	--	--	--	0.6
IlC	115.3	115.4	0.1		--	--	--	--	--	--	0.5	--	0.5
MhD	115.4	115.5	0.1		--	--	--	--	--	--	--	--	--
LrF	115.5	115.5	<0.1		0.2	--	--	0.2	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LmE	115.5	115.5	<0.1		--	--	--	0.4	--	--	--	--	--
LoE	115.5	115.6	0.1		--	--	--	1.4	--	--	--	--	--
LmE	115.6	115.6	<0.1		--	--	--	0.4	--	--	--	--	--
LmC	115.6	115.7	<0.1		--	--	--	0.2	--	--	--	--	0.2
LmE	115.7	115.7	<0.1		--	--	--	0.4	--	--	--	--	--
ArC	115.7	115.8	0.1		--	--	--	0.7	--	--	--	--	--
LoE	115.8	115.9	0.1		--	--	--	1.4	--	--	--	--	--
ArC	115.9	116.0	0.1		--	--	--	0.7	--	--	--	--	--
LoE	116.0	116.0	<0.1		--	--	--	1.4	--	--	--	--	--
LmC	116.0	116.3	0.3		--	--	--	1.8	--	--	--	--	1.8
LrF	116.3	116.3	0.1		0.3	--	--	0.3	--	--	--	--	--
MhC3	116.3	116.4	<0.1		--	--	--	--	--	--	--	--	--
MhD	116.4	116.4	<0.1		--	--	--	--	--	--	--	--	--
MhC3	116.4	116.5	0.1		--	--	--	--	--	--	--	--	--
MlB	116.5	116.6	0.1		--	--	--	--	--	--	--	--	0.8
MhC3	116.6	116.7	0.1		--	--	--	--	--	--	--	--	--
HfB	116.7	116.7	0.1		--	--	--	--	--	--	--	--	0.4
IaB	116.7	116.8	0.1		--	--	--	--	--	--	0.5	--	0.5
MhC	116.8	117.3	0.5		--	--	--	--	--	--	--	--	--
MhC	117.1	117.1	0.2	PAR71	--	--	--	--	--	--	--	--	--
MlB	117.3	117.3	0.1		--	--	--	--	--	--	--	--	0.8
MhC	117.3	117.4	<0.1		--	--	--	--	--	--	--	--	--
MlB	117.4	117.5	0.1		--	--	--	--	--	--	--	--	0.8

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
HfB	117.5	117.5	<0.1		--	--	--	--	--	--	--	--	4.7
MlB	117.5	117.6	0.1		--	--	--	--	--	--	--	--	0.6
HfB	117.6	118.3	0.8		--	--	--	--	--	--	--	--	4.7
HfB	117.9	117.9	0.2	PAR73	--	--	--	--	--	--	--	--	0.8
MhC	117.9	117.9	0.1	PAR73	--	--	--	--	--	--	--	--	--
MlB	117.9	117.9	0.1	PAR73	--	--	--	--	--	--	--	--	0.2
MhD	118.3	118.4	0.1		--	--	--	--	--	--	--	--	--
HfB	118.4	118.4	<0.1		--	--	--	--	--	--	--	--	0.2
IlA	118.4	118.5	<0.1		--	--	--	--	--	--	0.2	0.2	0.2
HfC	118.5	118.6	0.1		--	--	--	--	--	--	--	--	--
FaF	118.6	118.6	<0.1		0.4	--	--	0.4	--	--	--	--	--
FaB	118.6	119.0	0.4		--	--	--	2.4	--	--	--	--	--
FaF	119.0	119.0	<0.1		0.4	--	--	0.4	--	--	--	--	--
FaB	119.0	119.1	<0.1		--	--	--	0.3	--	--	--	--	--
FaF	119.1	119.1	0.1		0.3	--	--	0.3	--	--	--	--	--
FaB	119.1	119.2	0.1		--	--	--	0.4	--	--	--	--	--
FaF	119.2	119.2	<0.1		0.3	--	--	0.3	--	--	--	--	--
MhD	119.2	119.3	0.1		--	--	--	--	--	--	--	--	--
MhF	119.3	119.4	0.1		--	--	--	--	--	--	--	--	--
DeC	119.4	119.5	0.1		--	--	--	--	--	--	--	--	1.3
ShB	119.5	119.5	<0.1		--	--	--	--	--	--	--	--	0.2
DeC	119.5	119.6	0.1		--	--	--	--	--	--	--	--	1.3
DeC	119.6	119.6	<0.1	PAR74	--	--	--	--	--	--	--	--	0.1

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
ShC	119.6	119.7	<0.1		--	--	--	--	--	--	--	--	0.2
Bg	119.7	119.7	0.1		--	--	--	--	--	--	--	--	0.5
W	119.7	119.8	<0.1		--	--	--	--	--	--	--	--	--
Bg	119.8	119.9	0.1		--	--	--	--	--	--	--	--	0.9
Al	119.9	119.9	<0.1		--	--	--	--	--	--	0.2	--	--
Bg	119.9	120.0	<0.1		--	--	--	--	--	--	--	--	0.9
OdB	120.0	120.0	0.1		--	--	--	--	--	--	--	--	--
DdC	120.0	120.1	<0.1		--	--	--	--	--	--	--	--	0.2
SnC3	120.1	120.2	0.1		--	--	--	--	--	--	--	--	--
ShB	120.2	120.2	0.1		--	--	--	--	--	--	--	--	2.4
LdB	120.2	120.3	<0.1		--	--	--	--	--	--	0.2	0.2	0.2
ShB	120.3	120.6	0.3		--	--	--	--	--	--	--	--	2.4
HgC	120.3	120.3	0.2	PAR73a	--	--	--	--	--	--	--	--	0.6
NlC	120.3	120.3	<0.1	PAR73a	--	--	--	--	--	--	--	--	0.0
PlB	120.3	120.3	0.2	PAR73a	--	--	--	--	--	--	--	--	0.5
ShB	120.3	120.3	0.1	PAR73a	--	--	--	--	--	--	--	--	0.3
NlC	120.6	120.7	0.1		--	--	--	--	--	--	--	--	0.9
Al	120.7	120.7	<0.1		--	--	--	--	--	--	0.2	--	--
MhC	120.7	121.4	0.6		--	--	--	--	--	--	--	--	--
DeB	121.4	121.4	0.1		--	--	--	--	--	--	--	--	--
NdC	121.4	121.5	0.1		--	--	--	--	--	--	--	--	--
NdB	121.5	121.6	0.1		--	--	--	--	--	--	--	--	0.4
NdC	121.6	121.7	0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
MkD	121.7	121.8	0.1		--	--	--	--	--	--	--	--	--
FaB	121.8	121.9	0.2		--	--	--	1.1	--	--	--	--	--
HfB	121.9	122.0	<0.1		--	--	--	--	--	--	--	--	0.2
FaB	122.0	122.0	<0.1		--	--	--	1.1	--	--	--	--	--
LhB	122.0	122.3	0.3		--	--	--	--	--	--	--	--	2.9
LhC	122.3	122.3	<0.1		--	--	--	--	--	--	--	--	--
LhB	122.3	122.5	0.2		--	--	--	--	--	--	--	--	2.9
LhC	122.5	122.5	0.1		--	--	--	--	--	--	--	--	--
LhB	122.5	122.8	0.3		--	--	--	--	--	--	--	--	2.3
MhD	122.8	122.8	0.1		--	--	--	--	--	--	--	--	--
LhB	122.8	122.9	0.1		--	--	--	--	--	--	--	--	2.3
LhC	122.9	123.0	<0.1		--	--	--	--	--	--	--	--	--
LhB	123.0	123.0	<0.1		--	--	--	--	--	--	--	--	2.3
DaB	123.0	123.0	<0.1		--	--	--	--	--	--	--	--	--
LaA	123.0	123.1	<0.1		--	--	--	--	--	--	0.1	0.1	0.1
OdB	123.1	123.2	0.1		--	--	--	--	--	--	--	--	--
DaB	123.2	123.2	<0.1		--	--	--	--	--	--	--	--	--
CoC	123.2	123.2	<0.1		--	--	--	--	--	--	--	--	--
DaB	123.2	123.4	0.1		--	--	--	--	--	--	--	--	--
CoC	123.4	123.5	0.1		--	--	--	--	--	--	--	--	--
DaB	123.5	123.8	0.3		--	--	--	--	--	--	--	--	--
LhC	123.8	123.9	0.1		--	--	--	--	--	--	--	--	--
NdC	123.9	123.9	<0.1		--	--	--	--	--	--	--	--	--

APPENDIX J-1 (continued)
Potential Soil Limitations Crossed by the Constitution Pipeline Project

Soil Series Map Unit	Start Milepost	End Milepost[a]	Length Crossed (Miles)[b]	Access Road[c]/ MLV	Impacts (Acres)								
					Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/ Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LhC	123.9	123.9	<0.1		--	--	--	--	--	--	--	--	--
HfB	123.9	124.1	0.1		--	--	--	--	--	--	--	--	0.7
HfC	124.1	124.1	0.1		--	--	--	--	--	--	--	--	--
FaF	124.1	124.1	<0.1		0.1	--	--	0.1	--	--	--	--	--
HfB	124.1	124.4	0.3		--	--	--	--	--	--	--	--	1.9

[a] Soils that have the same " start milepost" and "end milepost" are associated with access roads. The mileposts for access roads correspond to where the access road enters the pipeline alignment.

[b] If the length crossed is a distance less than 6 feet and is not associated with an access road the number stated is represented by <0.1 miles.

[c] TAR = temporary access road; PAR = permanent access road; MLV = Main Line Valve. Permanent access roads extend across the temporary workspace to connect to the operational right-of-way.

[d] Areas identified as Highly Water Erodible Soils are ranked as "Very Severe" or "Severe" by NRCSSSURGO Erosion Hazard (Off-Road, Off-Trail) criteria.

[e] Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 134 or greater as determined by NRCS SSURGO.

[f] Areas identified to have Stony/Rocky Soils are lands that are composed of 20% or more of rock fragments larger than 3 inches in the surface layer as determined by NRCS SSURGO.

[g] Areas identified to have shallow depth to bedrock are described as having bedrock less than 5 feet from the surface as determined by NRCS SSURGO.

[h] Areas identified to have a severe compaction potential are limited to agricultural and residential lands that contain soils with a mean high water table of 1.5 feet or less below the surface elevation and have a surface texture of sandy clay loam, or finer as determined by NRCS SSURGO.

[i] Areas identified to have poor revegetation potential are lands that contain a Capability Class 3or greater, a low available water capacity, and slopes greater than 8 percent as determined by NRCS SSURGO.

[j] Areas identified to have poor drainage potential are ranked as "poor" or "very poor" as determined by NRCS SSURGO.

[k] Areas identified to have a hydric rating meet the all hydric criteria as determined by NRCS SSURGO.

[l] Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide Importance criteria as determined by NRCS SSURGO.

APPENDIX J-2

Potential Soil Limitations at the Turnpike Road M&R Station, Westfall Road M&R Station, MLVs, and Contractor Yards

APPENDIX J-2
Potential Soil Limitations at the Turnpike Road M&R Station, Westfall Road M&R Station, MLVs, and Contractor Yards

Soil Series Map Unit	Milepost	Facility	Impacts (acres)								
			Highly Water Erodible Soils[a]	Highly Wind Erodible Soils[b]	Stony/ Rocky Soils[c]	Shallow Depth to Bedrock[d]	Soil Compaction Potential[e]	Poor Revegetation Potential[f]	Drainage Potential[g]	Hydric Soils[h]	Prime Farmlands[i]
LkB2	0.0	Turnpike Road M&R	--	--	--	0.1	--	--	--	--	0.1
LsD	0.0	Turnpike Road M&R	--	--	--	3.6	--	--	--	--	--
WsB	0.00	Turnpike Road M&R	--	--	--	--	--	--	--	--	--
HfB	124.4	Westfall Road M&R	--	--	--	1.7	--	--	--	--	1.7
WeC2	15.2	MLV #2 Walkers Rd	--	--	--	--	--	--	--	--	0.1
CcC	26.7	MLV #3 Vale Rd	--	--	--	--	--	0.0	--	--	0.0
LsE	26.7	MLV #3 Vale Rd	--	--	--	0.1	--	--	--	--	--
MhC	41.2	MLV #4 Obrien Rd	--	--	--	--	--	--	--	--	0.0
VoB	41.2	MLV #4 Obrien Rd	--	--	--	--	0.1	--	--	--	0.1
MnB	52.1	MLV #5 Access Rd./Town Rd	--	--	--	0.1	--	--	--	--	0.1
MrB	66.7	MLV #6 Stewart Rd	--	--	--	--	--	--	--	--	0.1
MaC	81.8	MLV #7 County Rd 10	--	--	--	--	--	--	--	--	0.1
ThA	95.1	MLV #8 Clapper Hollow Rd	--	--	--	--	--	--	--	--	0.1
LmC	108.5	MLV #9 Access Rd/Dodge Lodge Rd	--	--	--	0.0	--	--	--	--	0.0
LoE	108.5	MLV #9 Access Rd/Dodge Lodge Rd	--	--	--	0.1	--	--	--	--	--
DeC	119.6	MLV #10 Smith Rd.	--	--	--	--	--	--	--	--	0.1
MoB2	N/A	Spread 1 Contractor Yard	--	--	--	--	--	--	--	--	11.3
MoC2	N/A		--	--	--	--	--	--	--	--	8.0
WeC2	N/A		--	--	--	--	--	--	--	--	0.7

APPENDIX J-2 (continued)
Potential Soil Limitations at the Turnpike Road M&R Station, Westfall Road M&R Station, MLVs, and Contractor Yards

Soil Series Map Unit	Milepost	Facility	Impacts (acres)								
			Highly Water Erodible Soils[a]	Highly Wind Erodible Soils[b]	Stony/ Rocky Soils[c]	Shallow Depth to Bedrock[d]	Soil Compaction Potential[e]	Poor Revegetation Potential[f]	Drainage Potential[g]	Hydric Soils[h]	Prime Farmlands[i]
TkB	N/A	Spread 3a Contractor Yard	--	--	--	--	--	--	--	--	0.6
TkD	N/A		--	--	--	--	--	--	--	--	--
Un	N/A		--	--	--	--	--	--	--	--	7.0
ChB	N/A	Spread 4a Contractor Yard	--	--	--	--	--	--	--	--	--
ChC	N/A		--	--	--	--	--	--	--	--	--
ClE	N/A		0.1	--	--	--	--	--	--	--	--
ChB	N/A		--	--	--	--	--	--	--	--	--
ChC	N/A		--	--	--	--	--	--	--	--	--
ClE	N/A		0.1	--	--	--	--	--	--	--	--
Pt	N/A		--	--	--	--	--	--	--	--	--
Wb	N/A		--	--	--	--	--	--	--	--	--
ChB	N/A	Spread 4d Contractor Yard	--	--	--	--	--	--	--	--	4.0
ChC	N/A		--	--	--	--	--	--	--	--	2.3
Re	N/A		--	--	--	--	--	--	--	--	0.7
ChA	N/A		--	--	--	--	--	--	--	--	12.2
De	N/A		--	--	--	--	--	--	--	--	5.4
Bg	N/A	Spread 5 Contractor Yard	--	--	--	--	--	--	--	--	4.5
LrF	N/A		3.0	--	--	3.0	--	--	--	--	--
OdC	N/A		--	--	--	--	--	--	--	--	<0.01
OrC3	N/A		--	--	--	--	--	--	--	--	--
VcC	N/A		--	--	--	--	--	--	--	--	1.5
Al	N/A	Spread 5 (Overflow Parking Area)	--	--	--	--	--	--	0.3	--	--
Bg	N/A		--	--	--	--	--	--	--	--	4.1

APPENDIX J-2 (continued)
Potential Soil Limitations at the Turnpike Road M&R Station, Westfall Road M&R Station, MLVs, and Contractor Yards

Soil Series Map Unit	Milepost	Facility	Impacts (acres)								
			Highly Water Erodible Soils[a]	Highly Wind Erodible Soils[b]	Stony/ Rocky Soils[c]	Shallow Depth to Bedrock[d]	Soil Compaction Potential[e]	Poor Revegetation Potential[f]	Drainage Potential[g]	Hydric Soils[h]	Prime Farmlands[i]

[a] Areas identified as Highly Water Erodible Soils are ranked as "Very Severe" or "Severe" by NRCS SSURGO's Erosion Hazard (Off-Road, Off-Trail) criteria.

[b] Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 134 or greater as determined by NRCS SSURGO.

[c] Areas identified to have Stony/Rocky Soils are lands that are composed of 20% or more of rock fragments larger than 3 inches in the surface layer as determined by NRCS SSURGO.

[d] Areas identified to have shallow depth to bedrock are described as having bedrock less than 5 feet from the surface as determined by NRCS SSURGO.

[e] Areas identified to have a severe compaction potential are limited to agricultural and residential lands that contain soils with a mean high water table of 1.5 feet or less below the surface elevation and have a surface texture of sandy clay loam, or finer as determined by NRCS SSURGO.

[f] Areas identified to have poor revegetation potential are lands that contain a Capability Class 3, a low available water capacity, and slopes greater than 8 percent as determined by NRCS SSURGO.

[g] Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by NRCS SSURGO.

[h] Areas identified to have a hydric rating meet the all hydric criteria as determined by NRCS SSURGO.

[i] Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide Importance criteria as determined by NRCS SSURGO.

[j] Spread 4a Contractor Yard would be located within an active sand and gravel operation/open land.

APPENDIX J-3

Potential Soil Limitations Crossed by the Constitution Pipeline Project Extra Workspaces

TABLE J-3
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WsB	0.2	0.2	<0.1	--	--	--	--	--	--	--	--	--
MsB	0.2	0.2	<0.1	--	--	--	--	--	--	--	--	--
WeC2	0.2	0.2	<0.1	--	--	--	--	--	--	--	--	0.0
MoB2	0.5	0.5	<0.1	--	--	--	--	--	--	--	--	0.2
WsD	0.8	0.8	<0.1	--	--	--	--	--	--	--	--	--
WlD2	0.9	0.9	<0.1	--	--	--	--	--	--	--	--	--
MfD2	0.9	0.9	<0.1	--	--	--	--	--	--	--	--	--
LgD	1.2	1.2	<0.1	--	--	--	--	--	--	--	--	--
LoD2	1.2	1.2	<0.1	--	--	--	0.0	--	--	--	--	--
LoD2	1.2	1.2	<0.1	--	--	--	0.1	--	--	--	--	--
LgD	1.2	1.2	<0.1	--	--	--	--	--	--	--	--	--
WeC2	2.1	2.1	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	2.2	2.2	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	2.5	2.5	<0.1	--	--	--	--	--	--	--	--	0.0
LoB	2.5	2.5	<0.1	--	--	--	0.1	--	--	--	--	0.1
LgD	2.8	2.9	<0.1	--	--	--	--	--	--	--	--	--
LsF	2.8	2.8	<0.1	<0.01	--	--	<0.01	--	--	--	--	--
LsF	2.9	3.0	0.1	0.5	--	--	0.5	--	--	--	--	--
LsF	2.9	2.9	<0.1	0.0	--	--	0.0	--	--	--	--	--
LsF	2.9	2.9	<0.1	0.3	--	--	0.3	--	--	--	--	--
LsF	2.9	2.9	<0.1	0.3	--	--	0.3	--	--	--	--	--
Wy	3.0	3.0	<0.1	--	--	--	--	--	--	0.0	0.0	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
Cu	3.0	3.0	<0.1	--	--	--	--	--	--	--	--	--
LgF	3.0	3.1	<0.1	0.1	--	--	--	--	--	--	--	--
LgF	3.1	3.1	<0.1	0.2	--	--	--	--	--	--	--	--
LfC2	3.3	3.3	<0.1	--	--	--	--	--	--	--	--	0.1
LfC2	3.3	3.3	<0.1	--	--	--	--	--	--	--	--	0.1
LfC2	3.3	3.4	<0.1	--	--	--	--	--	--	--	--	0.2
MsD	4.2	4.2	<0.1	--	--	--	--	--	--	--	--	--
LsD	4.2	4.2	<0.1	--	--	--	0.0	--	--	--	--	--
LaB2	4.3	4.3	<0.1	--	--	--	--	--	--	--	--	0.1
MoC2	4.4	4.4	<0.1	--	--	--	--	--	--	--	--	0.1
MoB2	4.6	4.6	<0.1	--	--	--	--	--	--	--	--	0.1
LsD	5.2	5.2	<0.1	--	--	--	0.2	--	--	--	--	--
MrC2	5.3	5.3	<0.1	--	--	--	--	--	--	--	--	0.0
BfC2	5.3	5.4	0.2	--	--	--	--	--	--	--	--	0.7
BeC2	5.4	5.4	<0.1	--	--	--	--	--	--	--	--	0.1
BeC2	5.5	5.5	<0.1	--	--	--	--	--	--	--	--	0.2
MoC2	5.5	5.6	<0.1	--	--	--	--	--	--	--	--	0.2
LsB	6.1	6.1	<0.1	--	--	--	0.1	--	--	--	--	--
LsD	6.1	6.1	<0.1	--	--	--	0.1	--	--	--	--	--
LsD	6.1	6.2	<0.1	--	--	--	0.2	--	--	--	--	--
LoB	6.6	6.6	<0.1	--	--	--	0.1	--	--	--	--	0.1
VsB	6.6	6.6	<0.1	--	--	--	--	--	--	--	--	--
VcB2	6.8	6.9	<0.1	--	--	--	--	--	--	--	--	0.2

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WeC2	7.8	7.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeD2	7.8	7.8	<0.1	--	--	--	--	--	--	--	--	--
WeB2	7.8	7.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeB2	7.8	7.9	<0.1	--	--	--	--	--	--	--	--	0.1
WsD	7.9	7.9	<0.1	--	--	--	--	--	--	--	--	--
MoB2	8.4	8.4	<0.1	--	--	--	--	--	--	--	--	0.1
MoB2	8.4	8.4	<0.1	--	--	--	--	--	--	--	--	<0.01
LsF	8.4	8.5	<0.1	0.2	--	--	0.2	--	--	--	--	--
LsF	8.7	8.7	<0.1	0.1	--	--	0.1	--	--	--	--	--
WlC2	8.7	8.7	<0.1	--	--	--	--	--	--	--	--	--
MoB2	8.8	8.8	<0.1	--	--	--	--	--	--	--	--	0.2
LsD	8.9	8.9	<0.1	--	--	--	0.0	--	--	--	--	--
MoB2	8.9	8.9	<0.1	--	--	--	--	--	--	--	--	0.0
MrC2	8.9	8.9	<0.1	--	--	--	--	--	--	--	--	0.1
WlC2	9.1	9.1	<0.1	--	--	--	--	--	--	--	--	--
MoC2	9.2	9.2	<0.1	--	--	--	--	--	--	--	--	0.2
LkC2	9.3	9.3	<0.1	--	--	--	0.2	--	--	--	--	0.2
LsD	9.3	9.3	<0.1	--	--	--	0.0	--	--	--	--	--
LoC2	9.7	9.7	<0.1	--	--	--	0.1	--	--	--	--	0.1
Cu	9.8	9.8	<0.1	--	--	--	--	--	--	--	--	--
Cu	9.8	9.8	<0.1	--	--	--	--	--	--	--	--	--
WeC2	9.8	9.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	10.0	10.0	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WeC2	10.0	10.0	<0.1	--	--	--	--	--	--	--	--	0.0
Mn	10.0	10.0	<0.1	--	--	--	--	--	--	--	--	--
WsD	10.0	10.0	<0.1	--	--	--	--	--	--	--	--	--
WeC2	10.0	10.0	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	10.1	10.2	<0.1	--	--	--	--	--	--	--	--	0.6
WeB2	10.1	10.2	<0.1	--	--	--	--	--	--	--	--	0.2
WeB2	10.1	10.2	<0.1	--	--	--	--	--	--	--	--	0.2
WeC2	10.7	10.7	0.1	--	--	--	--	--	--	--	--	0.2
MoB2	10.9	10.9	<0.1	--	--	--	--	--	--	--	--	0.1
MsB	11.0	11.1	<0.1	--	--	--	--	--	--	--	--	--
MrC2	11.2	11.2	<0.1	--	--	--	--	--	--	--	--	0.1
MrC2	11.2	11.2	<0.1	--	--	--	--	--	--	--	--	0.3
VcB2	11.5	11.5	<0.1	--	--	--	--	--	--	--	--	0.1
LsF	11.5	11.6	<0.1	0.1	--	--	0.1	--	--	--	--	--
MrB2	11.7	11.7	<0.1	--	--	--	--	--	--	--	--	0.1
MrC2	11.8	11.8	<0.1	--	--	--	--	--	--	--	--	0.2
WsD	12.0	12.0	<0.1	--	--	--	--	--	--	--	--	--
MfB2	12.8	12.8	<0.1	--	--	--	--	--	--	--	--	0.2
MfB2	12.8	12.8	<0.1	--	--	--	--	--	--	--	--	0.1
VcB2	12.9	12.9	<0.1	--	--	--	--	--	--	--	--	0.0
McC2	12.9	12.9	<0.1	--	--	--	--	--	--	--	--	0.1
BsD	13.5	13.5	<0.1	--	--	--	--	--	--	--	--	--
LsD	13.6	13.6	<0.1	--	--	--	0.1	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
LsD	14.2	14.2	<0.1	--	--	--	0.2	--	--	--	--	--
VcB2	14.3	14.3	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	14.3	14.3	<0.1	--	--	--	--	--	--	--	--	0.1
WeC2	14.4	14.4	<0.1	--	--	--	--	--	--	--	--	0.0
VcB2	14.4	14.4	14.4	--	--	--	--	--	--	--	--	0.1
MrB2	14.4	14.5	<0.1	--	--	--	--	--	--	--	--	0.1
LsD	14.5	14.5	<0.1	--	--	--	0.1	--	--	--	--	--
LoD2	14.6	14.6	<0.1	--	--	--	0.1	--	--	--	--	--
VcB2	14.6	14.7	<0.1	--	--	--	--	--	--	--	--	0.1
MoC2	14.8	14.8	<0.1	--	--	--	--	--	--	--	--	0.0
McC2	14.8	14.8	<0.1	--	--	--	--	--	--	--	--	0.1
McC2	15.0	15.1	<0.1	--	--	--	--	--	--	--	--	0.1
MfD2	15.1	15.1	<0.1	--	--	--	--	--	--	--	--	--
WlC2	15.1	15.1	<0.1	--	--	--	--	--	--	--	--	--
WeC2	15.1	15.1	<0.1	--	--	--	--	--	--	--	--	0.0
WeC2	15.2	15.2	<0.1	--	--	--	--	--	--	--	--	0.1
WlC2	15.2	15.3	<0.1	--	--	--	--	--	--	--	--	--
WlC2	15.3	15.3	<0.1	--	--	--	--	--	--	--	--	--
VcB2	15.7	15.7	<0.1	--	--	--	--	--	--	--	--	0.1
LkD2	15.7	15.7	<0.1	--	--	--	0.4	--	--	--	--	--
MgB	16.3	16.3	<0.1	--	--	--	--	--	--	--	--	--
MgB	16.4	16.4	<0.1	--	--	--	--	--	--	--	--	--
McC2	16.6	16.6	<0.1	--	--	--	--	--	--	--	--	0.2

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
McC2	16.7	16.8	<0.1	--	--	--	--	--	--	--	--	0.3
VcB2	16.8	16.8	<0.1	--	--	--	--	--	--	--	--	0.1
VcB2	16.8	16.9	0.1	--	--	--	--	--	--	--	--	0.4
Mn	16.9	16.9	<0.1	--	--	--	--	--	--	--	--	--
VfC	16.9	16.9	<0.1	--	--	--	--	--	--	--	--	0.1
LgF	17.0	17.0	<0.1	0.2	--	--	--	--	--	--	--	--
LgF	17.1	17.1	<0.1	0.2	--	--	--	--	--	--	--	--
LgF	17.2	17.2	<0.1	0.0	--	--	--	--	--	--	--	--
LsF	17.2	17.3	0.1	0.3	--	--	0.3	--	--	--	--	--
MgD	17.9	18.0	<0.1	--	--	--	--	--	--	--	--	--
MgD	18.0	18.0	<0.1	--	--	--	--	--	--	--	--	--
LgF	18.8	18.8	<0.1	0.1	--	--	--	--	--	--	--	--
MfC2	18.9	18.9	<0.1	--	--	--	--	--	--	--	--	0.1
BsD	18.9	19.0	<0.1	--	--	--	--	--	--	--	--	--
VfC	19.9	19.9	<0.1	--	--	--	--	--	--	--	--	0.1
VfC	19.9	20.0	<0.1	--	--	--	--	--	--	--	--	0.2
BsD	20.0	20.1	<0.1	--	--	--	--	--	--	--	--	--
VsB	20.7	20.7	<0.1	--	--	--	--	--	--	--	--	--
VsD	20.8	20.8	<0.1	--	--	--	--	--	--	--	--	--
LgF	21.5	21.5	<0.1	0.2	--	--	--	--	--	--	--	--
BsD	21.6	21.7	0.1	--	--	--	--	--	--	--	--	--
Wy	21.6	21.7	0.1	--	--	--	--	--	--	0.2	0.2	--
Wy	21.7	21.7	<0.1	--	--	--	--	--	--	0.2	0.2	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
CnA	21.7	21.7	<0.1	--	--	--	--	--	--	--	--	0.0
Wy	21.7	21.7	<0.1	--	--	--	--	--	--	0.1	0.1	--
Wy	21.8	21.8	<0.1	--	--	--	--	--	--	0.1	0.1	--
CnA	21.8	21.8	<0.1	--	--	--	--	--	--	--	--	0.1
BsF	21.8	21.9	<0.1	0.1	--	--	--	--	--	--	--	--
WsD	22.4	22.5	<0.1	--	--	--	--	--	--	--	--	--
VsB	22.5	22.6	<0.1	--	--	--	--	--	--	--	--	--
VsB	22.6	22.6	<0.1	--	--	--	--	--	--	--	--	--
VsD	22.7	22.7	<0.1	--	--	--	--	--	--	--	--	--
MgD	22.8	22.8	<0.1	--	--	--	--	--	--	--	--	--
VcB2	23.3	23.3	<0.1	--	--	--	--	--	--	--	--	0.1
VfB	23.3	23.3	<0.1	--	--	--	--	--	--	--	--	<0.01
MfD2	23.4	23.4	<0.1	--	--	--	--	--	--	--	--	--
MgD	23.8	23.8	<0.1	--	--	--	--	--	--	--	--	--
MgD	23.9	23.9	<0.1	--	--	--	--	--	--	--	--	--
MgD	24.2	24.3	<0.1	--	--	--	--	--	--	--	--	--
MfC2	24.3	24.3	<0.1	--	--	--	--	--	--	--	--	0.1
MgD	24.3	24.3	<0.1	--	--	--	--	--	--	--	--	--
MgD	24.4	24.4	<0.1	--	--	--	--	--	--	--	--	--
MgD	24.4	24.5	<0.1	--	--	--	--	--	--	--	--	--
MgB	24.5	24.5	<0.1	--	--	--	--	--	--	--	--	--
VsB	25.0	25.0	<0.1	--	--	--	--	--	--	--	--	--
VsB	25.1	25.1	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MtC	26.4	26.4	<0.1	--	--	--	--	--	--	--	--	0.1
CcC	26.5	26.5	<0.1	--	--	--	--	--	0.2	--	--	0.2
LsE	26.7	26.7	<0.1	--	--	--	0.1	--	--	--	--	--
CcC	26.8	26.8	<0.1	--	--	--	--	--	0.0	--	--	0.0
LsE	26.8	26.8	0.1	--	--	--	0.2	--	--	--	--	--
CuC	26.8	26.8	<0.1	--	--	--	--	--	--	--	--	0.1
CcD	26.8	26.8	<0.1	--	--	--	--	--	--	--	--	--
LsE	26.8	26.8	<0.1	--	--	--	0.0	--	--	--	--	--
LsE	26.9	27.1	0.2	--	--	--	0.8	--	--	--	--	--
CcD	26.9	26.9	<0.1	--	--	--	--	--	--	--	--	--
LsE	27.2	27.2	<0.1	--	--	--	0.0	--	--	--	--	--
CcE	27.2	27.2	<0.1	--	--	--	--	--	--	--	--	--
Wd	27.3	27.3	<0.1	--	--	--	--	--	--	0.1	--	--
ChD	27.3	27.3	<0.1	--	--	--	--	--	0.1	--	--	--
CcE	27.4	27.4	<0.1	--	--	--	--	--	--	--	--	--
MtC	28.3	28.4	<0.1	--	--	--	--	--	--	--	--	0.1
CcE	28.4	28.5	<0.1	--	--	--	--	--	--	--	--	--
CcE	28.5	28.5	<0.1	--	--	--	--	--	--	--	--	--
CuC	28.5	28.6	0.1	--	--	--	--	--	--	--	--	0.3
Ms	28.7	28.7	<0.1	--	--	--	--	--	0.1	--	--	0.1
ChD	28.9	28.9	<0.1	--	--	--	--	--	0.1	--	--	--
ChC	28.9	28.9	<0.1	--	--	--	--	--	--	--	--	0.1
ChC	28.9	28.9	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
ChD	28.9	28.9	<0.1	--	--	--	--	--	0.1	--	--	--
ChD	29.1	29.1	<0.1	--	--	--	--	--	0.1	--	--	--
Tg	29.2	29.2	<0.1	--	--	--	--	--	--	--	--	0.1
ChD	29.2	29.2	<0.1	--	--	--	--	--	<0.01	--	--	--
ChD	29.4	29.4	<0.1	--	--	--	--	--	0.1	--	--	--
CcC	29.7	29.7	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcE	29.7	29.7	<0.1	--	--	--	--	--	--	--	--	--
MtC	29.8	29.8	<0.1	--	--	--	--	--	--	--	--	0.1
CcD	29.8	29.8	<0.1	--	--	--	--	--	--	--	--	--
CcD	29.8	29.9	<0.1	--	--	--	--	--	--	--	--	--
CcD	29.9	29.9	<0.1	--	--	--	--	--	--	--	--	--
LdD	29.9	29.9	<0.1	--	--	--	0.1	--	--	--	--	--
LdC	30.2	30.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
LdB	30.2	30.2	<0.1	--	--	--	0.2	--	--	--	--	0.2
LoE	30.2	30.2	<0.1	--	--	--	0.1	--	--	--	--	--
MtC	30.3	30.3	<0.1	--	--	--	--	--	--	--	--	0.1
CcD	30.3	30.3	<0.1	--	--	--	--	--	--	--	--	--
CcD	30.4	30.4	<0.1	--	--	--	--	--	--	--	--	--
CcD	30.4	30.5	0.1	--	--	--	--	--	--	--	--	--
CuB	30.7	30.7	<0.1	--	--	--	--	--	0.0	--	--	0.0
CuC	30.7	30.7	30.7	--	--	--	--	--	--	--	--	0.1
Ad	30.7	30.7	<0.1	--	--	--	--	--	--	0.2	--	--
Ta	30.7	30.8	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MrF	30.8	30.8	<0.1	0.1	--	--	--	--	--	--	--	--
MhD	30.8	30.8	<0.1	--	--	--	--	--	--	--	--	--
CcD	30.8	30.9	<0.1	--	--	--	--	--	--	--	--	--
CcD	30.9	30.9	<0.1	--	--	--	--	--	--	--	--	--
CcE	30.9	30.9	<0.1	--	--	--	--	--	--	--	--	--
LsE	31.7	31.7	<0.1	--	--	--	0.2	--	--	--	--	--
Ad	31.8	31.8	<0.1	--	--	--	--	--	--	0.1	--	--
MtB	31.8	31.8	<0.1	--	--	--	--	--	--	--	--	0.1
CcD	31.8	31.8	<0.1	--	--	--	--	--	--	--	--	--
CcD	31.8	31.8	<0.1	--	--	--	--	--	--	--	--	--
CcE	31.9	31.9	<0.1	--	--	--	--	--	--	--	--	--
CuD	32.7	32.7	<0.1	--	--	--	--	--	--	--	--	--
Tg	32.7	32.7	<0.1	--	--	--	--	--	--	--	--	<0.01
CcE	32.7	32.7	<0.1	--	--	--	--	--	--	--	--	--
Tg	32.7	32.9	0.2	--	--	--	--	--	--	--	--	0.9
Tg	32.7	32.8	<0.1	--	--	--	--	--	--	--	--	0.2
CcE	32.7	32.7	<0.1	--	--	--	--	--	--	--	--	--
Ms	32.9	32.9	<0.1	--	--	--	--	--	0.1	--	--	0.1
Ms	32.9	33.0	<0.1	--	--	--	--	--	0.1	--	--	0.1
Wd	33.0	33.0	<0.1	--	--	--	--	--	--	0.0	--	--
Wd	33.1	33.1	<0.1	--	--	--	--	--	--	0.1	--	--
Wd	33.3	33.3	<0.1	--	--	--	--	--	--	0.2	--	--
CcE	33.6	33.6	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
Wd	33.7	33.7	<0.1	--	--	--	--	--	--	0.2	--	--
Tg	33.9	33.9	<0.1	--	--	--	--	--	--	--	--	0.0
Ms	33.9	33.9	<0.1	--	--	--	--	--	0.2	--	--	0.2
Ms	34.0	34.0	<0.1	--	--	--	--	--	0.2	--	--	0.2
CcD	34.5	34.6	<0.1	--	--	--	--	--	--	--	--	--
CuD	34.6	34.6	<0.1	--	--	--	--	--	--	--	--	--
CcD	34.6	34.6	<0.1	--	--	--	--	--	--	--	--	--
CcD	34.8	34.8	<0.1	--	--	--	--	--	--	--	--	--
CcC	34.9	34.9	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcC	34.9	34.9	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcD	34.9	34.9	<0.1	--	--	--	--	--	--	--	--	--
CcC	34.9	34.9	<0.1	--	--	--	--	--	0.0	--	--	<0.1
CcC	35.0	35.0	<0.1	--	--	--	--	--	0.2	--	--	0.2
CuB	35.1	35.2	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcC	35.2	35.2	<0.1	--	--	--	--	--	0.0	--	--	0.0
MuD	35.3	35.3	<0.1	--	--	--	--	0.1	0.1	--	--	--
CcD	35.5	35.5	<0.1	--	--	--	--	--	--	--	--	--
CcD	35.6	35.6	<0.1	--	--	--	--	--	--	--	--	--
CcD	35.6	35.7	0.1	--	--	--	--	--	--	--	--	--
CcE	35.8	35.8	<0.1	--	--	--	--	--	--	--	--	--
MnC	35.8	35.9	<0.1	--	--	--	--	--	--	--	--	0.2
CcD	36.1	36.1	<0.1	--	--	--	--	--	--	--	--	--
CcD	36.2	36.2	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
ChC	36.3	36.3	<0.1	--	--	--	--	--	--	--	--	0.2
ChC	36.3	36.3	<0.1	--	--	--	--	--	--	--	--	0.2
ChC	36.5	36.5	<0.1	--	--	--	--	--	--	--	--	0.1
Ad	36.5	36.5	<0.1	--	--	--	--	--	--	0.0	--	--
Wd	36.6	36.6	<0.1	--	--	--	--	--	--	0.1	--	--
Wd	36.7	36.7	<0.1	--	--	--	--	--	--	0.1	--	--
CcC	36.7	36.7	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcD	37.2	37.3	<0.1	--	--	--	--	--	--	--	--	--
MtB	37.3	37.3	<0.1	--	--	--	--	--	--	--	--	0.0
CcD	37.3	37.3	<0.1	--	--	--	--	--	--	--	--	--
CcE	37.3	37.3	<0.1	--	--	--	--	--	--	--	--	--
MhB	37.3	37.4	0.1	--	--	--	--	--	--	--	--	0.3
MtC	37.7	37.8	<0.1	--	--	--	--	--	--	--	--	0.1
MtC	37.8	37.8	<0.1	--	--	--	--	--	--	--	--	0.0
CcC	37.8	37.8	<0.1	--	--	--	--	--	0.1	--	--	0.1
CcC	37.9	37.9	<0.1	--	--	--	--	--	0.0	--	--	0.0
MtC	37.9	38.0	<0.1	--	--	--	--	--	--	--	--	0.1
MtC	38.1	38.1	<0.1	--	--	--	--	--	--	--	--	0.2
MtC	38.2	38.2	0.1	--	--	--	--	--	--	--	--	0.3
CuC	38.4	38.4	<0.1	--	--	--	--	--	--	--	--	0.1
MtC	38.4	38.4	<0.1	--	--	--	--	--	--	--	--	0.0
CuB	38.7	38.7	<0.1	--	--	--	--	--	0.2	--	--	0.2
MtB	38.9	38.9	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
CuC	39.1	39.1	<0.1	--	--	--	--	--	--	--	--	0.0
MtC	39.1	39.1	<0.1	--	--	--	--	--	--	--	--	0.1
MhD	39.2	39.3	<0.1	--	--	--	--	--	--	--	--	--
MhD	39.6	39.6	<0.1	--	--	--	--	--	--	--	--	--
MhC	39.6	39.6	<0.1	--	--	--	--	--	--	--	--	0.1
MhD	39.7	39.7	<0.1	--	--	--	--	--	--	--	--	--
VoB	40.1	40.1	<0.1	--	--	--	--	0.2	--	--	--	0.2
MhB	40.2	40.2	<0.1	--	--	--	--	--	--	--	--	0.1
VoC	40.2	40.3	<0.1	--	--	--	--	0.0	0.0	--	--	0.0
VoC	40.3	40.3	<0.1	--	--	--	--	0.2	0.2	--	--	0.2
VoB	40.4	40.4	<0.1	--	--	--	--	0.1	--	--	--	0.1
VoB	40.4	40.5	<0.1	--	--	--	--	0.2	--	--	--	0.2
MhC	40.6	40.6	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	40.7	40.8	<0.1	--	--	--	--	0.2	--	--	--	0.2
VoB	40.8	40.8	<0.1	--	--	--	--	0.1	--	--	--	0.1
MhC	40.8	40.9	<0.1	--	--	--	--	--	--	--	--	0.1
MhC	40.9	40.9	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	41.1	41.2	<0.1	--	--	--	--	0.1	--	--	--	0.1
MhB	41.5	41.5	<0.1	--	--	--	--	--	--	--	--	0.1
VoC	41.7	41.7	<0.1	--	--	--	--	0.1	0.1	--	--	0.1
VoB	41.8	41.8	<0.1	--	--	--	--	0.1	--	--	--	0.1
VoB	41.9	42.0	<0.1	--	--	--	--	0.2	--	--	--	0.2
VoB	42.0	42.0	<0.1	--	--	--	--	0.2	--	--	--	0.2

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MhB	42.1	42.1	<0.1	--	--	--	--	--	--	--	--	<0.1
MhC	42.1	42.1	<0.1	--	--	--	--	--	--	--	--	0.1
MhD	42.2	42.2	<0.1	--	--	--	--	--	--	--	--	--
MhE	42.2	42.2	<0.1	--	--	--	--	--	--	--	--	--
MaC	42.4	42.4	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	42.4	42.5	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	42.6	42.6	<0.1	--	--	--	--	--	--	--	--	0.1
Ud	42.7	42.8	<0.1	--	--	--	--	--	--	--	--	--
CkB	42.8	42.8	<0.1	--	--	--	--	--	--	--	--	0.1
CkB	42.8	42.8	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	43.1	43.1	<0.1	--	--	--	--	--	--	--	--	0.2
MaC	43.1	43.1	<0.1	--	--	--	--	--	--	--	--	0.0
MaC	43.1	43.1	<0.1	--	--	--	--	--	--	--	--	0.2
MaB	43.4	43.5	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	43.6	43.6	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	43.6	43.6	<0.1	--	--	--	--	--	--	--	--	0.1
Cm	43.9	43.9	<0.1	--	--	--	--	--	--	0.0	--	0.0
VoB	43.9	43.9	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	44.0	44.0	<0.1	--	--	--	--	--	--	--	--	0.0
MaC	44.0	44.0	<0.1	--	--	--	--	--	--	--	--	0.2
MaC	44.0	44.1	<0.1	--	--	--	--	--	--	--	--	0.2
LrE	45.1	45.1	<0.1	--	--	--	0.0	--	--	--	--	--
VoB	45.1	45.1	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MaB	45.2	45.2	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	45.2	45.2	<0.1	--	--	--	--	--	--	--	--	0.0
Tr	45.3	45.3	<0.1	--	--	--	--	--	--	--	--	0.1
ChE	45.3	45.3	<0.1	--	--	--	--	--	--	--	--	--
ChB	45.3	45.3	<0.1	--	--	--	--	--	--	--	--	0.1
VaB	45.7	45.7	<0.1	--	--	--	--	--	--	--	--	0.1
VaB	45.9	46.0	<0.1	--	--	--	--	--	--	--	--	0.1
MaB	46.1	46.1	<0.1	--	--	--	--	--	--	--	--	0.1
MaB	46.2	46.2	<0.1	--	--	--	--	--	--	--	--	0.1
ChB	46.2	46.2	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	46.3	46.3	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	46.3	46.4	<0.1	--	--	--	--	--	--	--	--	0.1
MaD	46.4	46.4	<0.1	--	--	--	--	--	--	--	--	--
MaC	46.5	46.6	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	46.7	46.7	<0.1	--	--	--	--	--	--	--	--	0.2
MaC	46.7	46.7	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	46.8	46.8	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	46.8	46.8	<0.1	--	--	--	--	--	--	--	--	0.1
LrE	46.8	46.8	<0.1	--	--	--	0.0	--	--	--	--	--
MaC	47.2	47.2	<0.1	--	--	--	--	--	--	--	--	0.1
CbB	47.3	47.3	<0.1	--	--	--	--	--	--	--	--	0.0
CbC	47.3	47.3	<0.1	--	--	--	--	--	--	--	--	0.1
CbC	47.3	47.4	<0.1	--	--	--	--	--	--	--	--	0.5

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
CbB	47.3	47.3	<0.1	--	--	--	--	--	--	--	--	0.0
MaD	47.4	47.4	<0.1	--	--	--	--	--	--	--	--	--
CbC	47.4	47.4	0.1	--	--	--	--	--	--	--	--	0.4
CbC	47.4	47.4	<0.1	--	--	--	--	--	--	--	--	<0.01
MaD	47.4	47.4	<0.1	--	--	--	--	--	--	--	--	--
Wa	47.4	47.4	<0.1	--	--	--	--	--	--	0.1	--	--
Wa	47.5	47.5	<0.1	--	--	--	--	--	--	0.3	--	--
CkA	47.6	47.6	0.1	--	--	--	--	--	--	--	--	0.4
CkA	47.9	48.0	0.1	--	--	--	--	--	--	--	--	0.7
CkA	48.0	48.0	<0.1	--	--	--	--	--	--	--	--	0.1
VaE	48.0	48.1	<0.1	--	--	--	--	--	--	--	--	--
MaB	48.2	48.2	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	48.2	48.2	<0.1	--	--	--	--	--	--	--	--	0.0
GrC	48.3	48.3	<0.1	--	--	--	0.2	--	--	--	--	0.2
LrE	48.4	48.4	<0.1	--	--	--	0.1	--	--	--	--	--
LrE	49.6	49.6	<0.1	--	--	--	0.1	--	--	--	--	--
LoC	49.6	49.6	<0.1	--	--	--	0.0	--	--	--	--	0.0
VpB	49.7	49.7	<0.1	--	--	--	--	0.1	--	--	--	--
LoB	50.4	50.4	<0.1	--	--	--	0.1	--	--	--	--	0.1
LoC	50.5	50.5	<0.1	--	--	--	0.1	--	--	--	--	0.1
LoC	50.6	50.7	<0.1	--	--	--	0.2	--	--	--	--	0.2
MdD	50.9	50.9	<0.1	--	--	--	--	--	--	--	--	--
MdC	51.0	51.1	<0.1	--	--	--	--	--	--	--	--	0.2

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
LoE	51.5	51.5	v	--	--	--	0.2	--	--	--	--	--
LoC	51.5	51.5	<0.1	--	--	--	0.0	--	--	--	--	0.0
MdB	51.6	51.7	<0.1	--	--	--	--	--	--	--	--	0.2
MnB	52.1	52.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
MnB	52.2	52.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
MdC	52.6	52.6	<0.1	--	--	--	--	--	--	--	--	0.1
MnC	52.7	52.8	<0.1	--	--	--	0.2	--	--	--	--	0.2
MnB	53.4	53.5	0.1	--	--	--	0.4	--	--	--	--	0.4
WhB	53.5	53.5	0.1	--	--	--	--	--	--	--	--	0.2
WhB	53.5	53.6	<0.1	--	--	--	--	--	--	--	--	0.2
WhB	53.6	53.6	0.1	--	--	--	--	--	--	--	--	0.2
WhC	53.8	53.8	<0.1	--	--	--	--	--	--	--	--	0.2
OnB	53.8	53.9	<0.1	--	--	--	--	--	--	--	--	0.2
MnD	53.9	54.0	<0.1	--	--	--	0.4	--	--	--	--	--
MnC	54.1	54.1	<0.1	--	--	--	0.1	--	--	--	--	0.1
HcC	54.2	54.2	<0.1	--	--	--	0.3	--	--	--	--	--
HcE	54.2	54.2	<0.1	--	--	--	0.1	--	--	--	--	--
HcE	54.2	54.3	0.1	--	--	--	0.6	--	--	--	--	--
LoC	55.2	55.2	0.1	--	--	--	0.4	--	--	--	--	0.4
LoC	55.2	55.2	<0.1	--	--	--	0.3	--	--	--	--	0.3
TeB	55.2	55.2	<0.1	--	--	--	0.2	--	--	0.2	--	0.2
BtD	55.7	55.7	<0.1	--	--	--	--	--	--	--	--	--
VoB	55.9	55.9	<0.1	--	--	--	--	--	--	--	--	0.0

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
BtC	55.9	56.0	0.1	--	--	--	--	--	--	--	--	0.5
BtC	56.0	56.0	<0.1	--	--	--	--	--	--	--	--	0.1
MdC	56.1	56.1	<0.1	--	--	--	--	--	--	--	--	0.0
MdD	56.3	56.3	<0.1	--	--	--	--	--	--	--	--	--
VaD	56.3	56.3	<0.1	--	--	--	--	--	--	--	--	--
VaD	56.3	56.4	<0.1	--	--	--	--	--	--	--	--	--
VaD	56.4	56.5	<0.1	--	--	--	--	--	--	--	--	--
VaD	56.5	56.5	<0.1	--	--	--	--	--	--	--	--	--
VaC	56.5	56.5	<0.1	--	--	--	--	--	--	--	--	0.1
ChB	56.7	56.7	<0.1	--	--	--	--	--	--	--	--	0.0
Ff	56.7	56.7	<0.1	--	--	--	--	--	--	0.1	--	--
Ff	56.8	56.8	<0.1	--	--	--	--	--	--	0.1	--	--
VaD	56.8	56.8	<0.1	--	--	--	--	--	--	--	--	--
MdC	57.0	57.0	<0.1	--	--	--	--	--	--	--	--	0.1
MdC	57.0	57.1	<0.1	--	--	--	--	--	--	--	--	0.1
BtC	57.8	57.8	<0.1	--	--	--	--	--	--	--	--	0.2
BtD	57.8	57.8	<0.1	--	--	--	--	--	--	--	--	--
VoC	58.0	58.0	<0.1	--	--	--	--	--	--	--	--	0.1
MdC	58.0	58.1	<0.1	--	--	--	--	--	--	--	--	0.1
MdC	58.2	58.2	<0.1	--	--	--	--	--	--	--	--	0.2
MdB	58.2	58.3	<0.1	--	--	--	--	--	--	--	--	0.2
MdC	58.3	58.4	<0.1	--	--	--	--	--	--	--	--	0.1
MdC	58.7	58.7	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MdC	58.8	58.8	<0.1	--	--	--	--	--	--	--	--	0.0
MaC	58.8	58.8	<0.1	--	--	--	--	--	--	--	--	0.1
MaC	58.9	58.9	<0.1	--	--	--	--	--	--	--	--	0.0
MaB	58.9	58.9	<0.1	--	--	--	--	--	--	--	--	0.0
MaD	58.9	58.9	<0.1	--	--	--	--	--	--	--	--	--
TkC	59.1	59.1	<0.1	--	--	--	--	--	--	--	--	0.1
MaB	59.1	59.1	<0.1	--	--	--	--	--	--	--	--	0.0
MaC	59.1	59.1	<0.1	--	--	--	--	--	--	--	--	0.0
MaC	59.4	59.4	<0.1	--	--	--	--	--	--	--	--	0.0
OrE	59.4	59.4	<0.1	--	--	--	0.0	--	--	--	--	--
MaB	59.4	59.5	<0.1	--	--	--	--	--	--	--	--	0.1
MsB	59.7	59.7	<0.1	--	--	--	--	--	--	--	--	--
TkB	59.9	59.9	<0.1	--	--	--	--	--	--	--	--	0.0
TtB	59.9	59.9	<0.1	--	--	--	--	--	--	--	--	0.1
TtB	59.9	60.0	<0.1	--	--	--	--	--	--	--	--	0.0
MaB	59.9	60.0	<0.1	--	--	--	--	--	--	--	--	0.1
OpD	60.3	60.3	<0.1	--	--	--	0.1	--	--	--	--	--
OpB	60.3	60.3	<0.1	--	--	--	0.1	--	--	--	--	0.1
OrC	60.3	60.3	<0.1	--	--	--	0.1	--	--	--	--	--
MaB	60.6	60.6	<0.1	--	--	--	--	--	--	--	--	0.1
MaB	60.6	60.6	<0.1	--	--	--	--	--	--	--	--	0.2
Bc	60.7	60.8	<0.1	--	--	--	--	--	--	--	--	0.4
Bc	60.8	60.8	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
TkD	61.1	61.1	<0.1	--	--	--	--	--	--	--	--	--
WeC	61.2	61.2	<0.1	--	--	--	--	--	--	--	--	0.2
WeC	61.2	61.2	<0.1	--	--	--	--	--	--	--	--	0.1
LaD	61.2	61.2	<0.1	--	--	--	--	--	--	--	--	--
LaD	61.3	61.3	<0.1	--	--	--	--	--	--	--	--	--
MsB	61.4	61.4	<0.1	--	--	--	--	--	--	--	--	--
MsB	61.6	61.6	<0.1	--	--	--	--	--	--	--	--	--
MsB	61.6	61.6	<0.1	--	--	--	--	--	--	--	--	--
WeC	63.1	63.1	<0.1	--	--	--	--	--	--	--	--	0.1
MsB	63.2	63.2	<0.1	--	--	--	--	--	--	--	--	--
WeC	63.2	63.2	<0.1	--	--	--	--	--	--	--	--	0.1
WeC	63.6	63.6	<0.1	--	--	--	--	--	--	--	--	0.1
VoB	63.7	63.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeB	63.9	63.9	<0.1	--	--	--	--	--	--	--	--	0.0
MsB	63.9	63.9	<0.1	--	--	--	--	--	--	--	--	--
MsB	64.0	64.0	<0.1	--	--	--	--	--	--	--	--	--
WeC	65.2	65.2	<0.1	--	--	--	--	--	--	--	--	0.2
WeB	65.2	65.2	<0.1	--	--	--	--	--	--	--	--	0.0
WeC	65.3	65.3	<0.1	--	--	--	--	--	--	--	--	0.2
OpC	66.0	66.0	<0.1	--	--	--	0.0	--	--	--	--	0.0
OrE	66.0	66.0	<0.1	--	--	--	0.1	--	--	--	--	--
OrE	66.0	66.0	<0.1	--	--	--	0.2	--	--	--	--	--
WeC	66.0	66.0	<0.1	--	--	--	--	--	--	--	--	0.0

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WeC	66.2	66.2	<0.1	--	--	--	--	--	--	--	--	0.1
MrB	66.2	66.2	<0.1	--	--	--	--	--	--	--	--	0.1
MrC	66.3	66.3	<0.1	--	--	--	--	--	--	--	--	0.1
WeB	66.3	66.4	<0.1	--	--	--	--	--	--	--	--	0.1
MrB	66.7	66.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeB	66.8	66.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeB	66.8	66.8	<0.1	--	--	--	--	--	--	--	--	0.2
MrB	68.8	68.8	<0.1	--	--	--	--	--	--	--	--	0.1
WfC	68.8	68.8	<0.1	--	--	--	--	--	--	--	--	--
WfC	68.9	68.9	<0.1	--	--	--	--	--	--	--	--	--
LaC	68.9	68.9	<0.1	--	--	--	--	--	--	--	--	0.0
LdE	69.5	69.5	<0.1	--	--	--	--	--	--	--	--	--
MaE	69.5	69.5	<0.1	0.2	--	--	--	--	--	--	--	--
OpB	70.6	70.6	<0.1	--	--	--	0.1	--	--	--	--	0.1
MrC	70.8	70.9	<0.1	--	--	--	--	--	--	--	--	0.1
MrB	71.0	71.0	<0.1	--	--	--	--	--	--	--	--	0.1
MrB	71.0	71.0	<0.1	--	--	--	--	--	--	--	--	<0.01
WeC	71.0	71.0	<0.1	--	--	--	--	--	--	--	--	0.2
HcE	71.5	71.5	<0.1	--	--	--	0.1	--	--	--	--	--
LaE	71.5	71.5	<0.1	--	--	--	--	--	--	--	--	--
WeC	71.5	71.6	<0.1	--	--	--	--	--	--	--	--	0.1
WeC	71.6	71.6	<0.1	--	--	--	--	--	--	--	--	0.6
WeC	71.7	71.8	0.1	--	--	--	--	--	--	--	--	0.6

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WeC	71.8	71.8	<0.1	--	--	--	--	--	--	--	--	0.1
WeC	71.9	71.9	<0.1	--	--	--	--	--	--	--	--	0.1
HcE	72.2	72.2	<0.1	--	--	--	0.1	--	--	--	--	--
VlC	72.2	72.3	0.1	--	--	--	0.3	--	--	--	--	0.3
WmB	73.0	73.0	<0.1	--	--	--	--	--	--	--	--	0.2
WmB	73.0	73.0	<0.1	--	--	--	--	--	--	--	--	0.2
VlB	73.2	73.3	<0.1	--	--	--	0.1	--	--	--	--	0.1
VlC	73.3	73.3	<0.1	--	--	--	0.1	--	--	--	--	0.1
WmC	73.3	73.3	<0.1	--	--	--	--	--	--	--	--	0.2
VlC	73.3	73.3	<0.1	--	--	--	<0.01	--	--	--	--	<0.01
OeB	73.4	73.5	<0.1	--	--	--	--	--	--	--	--	0.1
OfB	73.6	73.6	<0.1	--	--	--	--	--	--	--	--	--
WmB	73.6	73.6	<0.1	--	--	--	--	--	--	--	--	0.1
LkE	74.2	74.3	<0.1	--	--	--	--	--	--	--	--	--
WnC	74.3	74.3	<0.1	--	--	--	--	--	--	--	--	--
WnC	74.3	74.4	<0.1	--	--	--	--	--	--	--	--	--
LhC	74.4	74.5	<0.1	--	--	--	--	--	--	--	--	0.2
LhC	74.5	74.5	<0.1	--	--	--	--	--	--	--	--	0.1
VlC	74.5	74.5	<0.1	--	--	--	0.0	--	--	--	--	0.0
WmB	75.3	75.3	<0.1	--	--	--	--	--	--	--	--	0.2
WmB	75.3	75.3	<0.1	--	--	--	--	--	--	--	--	0.0
WmC	75.3	75.4	<0.1	--	--	--	--	--	--	--	--	0.1
LhB	75.9	75.9	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
OeB	75.9	75.9	<0.1	--	--	--	--	--	--	--	--	0.1
OeB	75.9	75.9	<0.1	--	--	--	--	--	--	--	--	0.1
OeB	75.9	75.9	<0.1	--	--	--	--	--	--	--	--	0.1
WmB	75.9	75.9	<0.1	--	--	--	--	--	--	--	--	0.1
OeA	76.4	76.4	<0.1	--	--	--	--	--	--	--	--	0.2
WmB	76.5	76.5	<0.1	--	--	--	--	--	--	--	--	0.2
WmB	76.8	76.8	<0.1	--	--	--	--	--	--	--	--	<0.01
HcC	76.8	76.9	<0.1	--	--	--	0.1	--	--	--	--	--
HcC	76.9	77.0	<0.1	--	--	--	0.1	--	--	--	--	--
WeC	77.4	77.4	<0.1	--	--	--	--	--	--	--	--	0.2
MrB	77.4	77.4	<0.1	--	--	--	--	--	--	--	--	0.0
MrB	77.4	77.4	<0.1	--	--	--	--	--	--	--	--	0.2
LaD	77.6	77.6	<0.1	--	--	--	--	--	--	--	--	--
WeC	77.6	77.6	<0.1	--	--	--	--	--	--	--	--	0.1
WeC	77.6	77.7	<0.1	--	--	--	--	--	--	--	--	0.1
MsB	77.7	77.7	<0.1	--	--	--	--	--	--	--	--	--
MsB	77.8	77.8	<0.1	--	--	--	--	--	--	--	--	--
MsB	77.9	77.9	<0.1	--	--	--	--	--	--	--	--	--
MrB	78.0	78.0	<0.1	--	--	--	--	--	--	--	--	0.1
MaD	78.0	78.0	<0.1	--	--	--	--	--	--	--	--	--
MaD	78.1	78.2	0.1	--	--	--	--	--	--	--	--	--
WeC	78.1	78.2	<0.1	--	--	--	--	--	--	--	--	0.0
MaD	78.2	78.2	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MrB	78.2	78.2	<0.1	--	--	--	--	--	--	--	--	0.0
MaB	78.2	78.2	<0.1	--	--	--	--	--	--	--	--	0.0
MrB	78.2	78.2	<0.1	--	--	--	--	--	--	--	--	<0.01
MaB	78.2	78.3	<0.1	--	--	--	--	--	--	--	--	0.2
WeD	78.3	78.3	<0.1	--	--	--	--	--	--	--	--	--
De	78.3	78.3	<0.1	--	--	--	--	--	--	--	--	0.0
WeD	78.3	78.4	<0.1	--	--	--	--	--	--	--	--	--
MrC	78.5	78.5	<0.1	--	--	--	--	--	--	--	--	0.2
VlE	78.8	78.8	<0.1	--	--	--	0.0	--	--	--	--	--
VlC	78.8	78.8	<0.1	--	--	--	0.2	--	--	--	--	0.2
VlE	78.9	78.9	0.1	--	--	--	0.2	--	--	--	--	--
VlD	78.9	78.9	<0.1	--	--	--	0.0	--	--	--	--	--
LcD	79.0	79.1	<0.1	--	--	--	--	--	--	--	--	--
VlE	79.0	79.1	<0.1	--	--	--	0.0	--	--	--	--	--
LcD	79.2	79.2	<0.1	--	--	--	--	--	--	--	--	--
LhD	79.2	79.2	<0.1	--	--	--	--	--	--	--	--	--
LcD	79.2	79.2	<0.1	--	--	--	--	--	--	--	--	--
LhD	79.3	79.3	<0.1	--	--	--	--	--	--	--	--	--
LhC	79.4	79.4	<0.1	--	--	--	--	--	--	--	--	0.1
WeC	79.4	79.4	<0.1	--	--	--	--	--	--	--	--	0.0
VlD	79.6	79.6	<0.1	--	--	--	0.1	--	--	--	--	--
VlC	79.6	79.6	<0.1	--	--	--	<0.01	--	--	--	--	<0.01
HcE	79.6	79.7	0.1	--	--	--	0.4	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
HcE	79.8	79.8	<0.1	--	--	--	0.1	--	--	--	--	--
LdE	79.9	79.9	<0.1	--	--	--	--	--	--	--	--	--
LcD	80.0	80.0	<0.1	--	--	--	--	--	--	--	--	--
MrC	80.3	80.3	<0.1	--	--	--	--	--	--	--	--	0.2
MrC	80.4	80.4	<0.1	--	--	--	--	--	--	--	--	<0.01
WmC	80.4	80.4	<0.1	--	--	--	--	--	--	--	--	0.1
WmC	80.4	80.5	<0.1	--	--	--	--	--	--	--	--	0.1
WmC	80.5	80.5	<0.1	--	--	--	--	--	--	--	--	<0.01
MrC	80.5	80.5	<0.1	--	--	--	--	--	--	--	--	0.1
MrC	80.5	80.5	<0.1	--	--	--	--	--	--	--	--	0.1
LaD	80.5	80.5	<0.1	--	--	--	--	--	--	--	--	--
MrC	80.6	80.6	<0.1	--	--	--	--	--	--	--	--	0.1
MrC	80.8	80.8	<0.1	--	--	--	--	--	--	--	--	0.1
WmC	80.9	80.9	<0.1	--	--	--	--	--	--	--	--	0.1
WmB	80.9	81.0	<0.1	--	--	--	--	--	--	--	--	0.2
OfB	81.0	81.0	<0.1	--	--	--	--	--	--	--	--	--
LdE	81.6	81.6	<0.1	--	--	--	--	--	--	--	--	--
TkE	81.6	81.6	<0.1	0.2	--	--	--	--	--	--	--	--
TkE	81.7	81.7	<0.1	0.2	--	--	--	--	--	--	--	--
MaC	81.7	81.8	0.1	--	--	--	--	--	--	--	--	0.8
MaC	81.8	81.8	<0.1	--	--	--	--	--	--	--	--	0.2
WfC	81.9	82.0	<0.1	--	--	--	--	--	--	--	--	--
WeB	81.9	81.9	<0.1	--	--	--	--	--	--	--	--	<0.01

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WfC	82.1	82.1	<0.1	--	--	--	--	--	--	--	--	--
WeB	82.8	82.8	<0.1	--	--	--	--	--	--	--	--	0.2
WeB	82.8	82.8	<0.1	--	--	--	--	--	--	--	--	0.2
WmB	83.1	83.1	<0.1	--	--	--	--	--	--	--	--	0.1
WmB	83.2	83.2	<0.1	--	--	--	--	--	--	--	--	0.1
MrB	83.3	83.3	<0.1	--	--	--	--	--	--	--	--	0.1
OfB	83.5	83.5	<0.1	--	--	--	--	--	--	--	--	--
MdB	84.6	84.6	<0.1	--	--	--	--	--	--	--	--	0.2
MrB	84.7	84.7	<0.1	--	--	--	--	--	--	--	--	0.1
MdB	84.7	84.7	<0.1	--	--	--	--	--	--	--	--	<0.01
MrB	84.7	84.7	<0.1	--	--	--	--	--	--	--	--	0.1
No	84.7	84.7	<0.1	--	--	--	--	--	--	0.0	--	0.0
WmA	85.2	85.2	<0.1	--	--	--	--	--	--	--	--	<0.01
OeA	85.2	85.2	<0.1	--	--	--	--	--	--	--	--	0.2
OeA	85.2	85.2	<0.1	--	--	--	--	--	--	--	--	0.2
WnC	85.3	85.3	<0.1	--	--	--	--	--	--	--	--	--
LhB	85.3	85.3	<0.1	--	--	--	--	--	--	--	--	0.3
WmB	85.4	85.5	0.2	--	--	--	--	--	--	--	--	0.8
WnC	85.6	85.7	<0.1	--	--	--	--	--	--	--	--	--
WnC	85.6	85.7	<0.1	--	--	--	--	--	--	--	--	--
WnC	85.6	85.6	<0.1	--	--	--	--	--	--	--	--	--
LkC	86.0	86.0	0.1	--	--	--	--	--	--	--	--	--
OfB	86.0	86.0	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
WnC	86.0	86.0	<0.1	--	--	--	--	--	--	--	--	--
WnC	86.0	86.0	<0.1	--	--	--	--	--	--	--	--	--
LkC	86.0	86.0	<0.1	--	--	--	--	--	--	--	--	--
WnC	86.0	86.1	<0.1	--	--	--	--	--	--	--	--	--
MnD	86.2	86.3	<0.1	--	--	--	0.1	--	--	--	--	--
WmA	86.6	86.6	<0.1	--	--	--	--	--	--	--	--	0.2
WmA	86.6	86.6	<0.1	--	--	--	--	--	--	--	--	0.1
WmB	86.6	86.7	<0.1	--	--	--	--	--	--	--	--	0.1
HcC	87.0	87.0	<0.1	--	--	--	0.1	--	--	--	--	--
HcC	87.2	87.2	<0.1	--	--	--	0.1	--	--	--	--	--
HcC	87.2	87.3	<0.1	--	--	--	0.2	--	--	--	--	--
VaB	87.7	87.7	0.1	--	--	--	--	--	--	--	--	0.7
BtC	88.1	88.1	0.1	--	--	--	--	--	--	--	--	0.6
VaB	88.1	88.1	<0.1	--	--	--	--	--	--	--	--	0.3
VaB	88.1	88.1	<0.1	--	--	--	--	--	--	--	--	0.0
BtC	88.1	88.1	<0.1	--	--	--	--	--	--	--	--	0.0
BtC	88.2	88.2	<0.1	--	--	--	--	--	--	--	--	0.1
VaB	88.2	88.2	<0.1	--	--	--	--	--	--	--	--	0.0
BtC	88.2	88.2	<0.1	--	--	--	--	--	--	--	--	0.3
BtD	88.2	88.4	0.2	--	--	--	--	--	--	--	--	--
WfC	88.4	88.4	<0.1	--	--	--	--	--	--	--	--	--
BtD	88.4	88.4	<0.1	--	--	--	--	--	--	--	--	--
WfC	88.4	88.5	<0.1	--	--	--	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
MdC	88.5	88.5	<0.1	--	--	--	--	--	--	--	--	0.2
MnC	89.7	89.7	<0.1	--	--	--	0.1	--	--	--	--	0.1
WhB	90.8	90.8	<0.1	--	--	--	--	--	--	--	--	0.1
LeC	91.7	91.7	<0.1	--	--	--	--	--	--	--	--	0.2
WhB	91.7	91.7	<0.1	--	--	--	--	--	--	--	--	0.1
MnC	91.7	91.7	<0.1	--	--	--	0.1	--	--	--	--	0.1
MnC	91.8	91.8	<0.1	--	--	--	0.1	--	--	--	--	0.1
OnA	91.8	91.8	<0.1	--	--	--	--	--	--	--	--	0.0
OnA	91.8	91.9	<0.1	--	--	--	--	--	--	--	--	0.1
HcC	92.1	92.1	<0.1	--	--	--	0.1	--	--	--	--	--
MnB	92.1	92.1	<0.1	--	--	--	0.1	--	--	--	--	0.1
MnB	92.1	92.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
WhB	92.3	92.3	<0.1	--	--	--	--	--	--	--	--	0.2
WhB	92.4	92.4	<0.1	--	--	--	--	--	--	--	--	0.1
WhC	92.4	92.4	<0.1	--	--	--	--	--	--	--	--	0.1
VlB	93.0	93.0	0.1	--	--	--	1.5	--	--	--	--	1.5
BtE	93.3	93.3	<0.1	--	--	--	--	--	--	--	--	--
WhB	93.4	93.4	<0.1	--	--	--	--	--	--	--	--	<0.01
HcC	93.4	93.4	<0.1	--	--	--	0.1	--	--	--	--	--
CuC	93.6	93.6	<0.1	--	--	--	--	--	--	--	--	0.1
CaD	93.8	93.8	<0.1	--	--	<0.01	--	--	--	--	--	--
MeE	93.8	93.9	<0.1	--	--	--	--	--	--	--	--	--
CaD	93.9	93.9	<0.1	--	--	<0.01	--	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
McD	94.5	94.6	<0.1	--	--	--	--	--	--	--	--	--
McD	94.7	94.7	<0.1	--	--	--	--	--	--	--	--	--
VcC	94.7	94.7	<0.1	--	--	--	--	--	--	--	--	<0.01
VcC	94.9	95.0	<0.1	--	--	--	--	--	--	--	--	0.1
VcC	95.0	95.0	<0.1	--	--	--	--	--	--	--	--	0.0
McD	95.0	95.0	<0.1	--	--	--	--	--	--	--	--	--
TnF	95.1	95.2	<0.1	0.1	--	--	--	--	--	--	--	--
Ha	95.3	95.3	0.1	--	--	--	--	--	--	0.3	0.3	0.3
McC	95.3	95.3	<0.1	--	--	--	--	--	--	--	--	<0.1
McC	95.4	95.4	<0.1	--	--	--	--	--	--	--	--	0.1
VmC	95.4	95.4	<0.1	--	--	--	--	--	--	--	--	--
McC	96.1	96.1	<0.1	--	--	--	--	--	--	--	--	0.1
LmD	96.4	96.4	<0.1	--	--	--	0.2	--	--	--	--	--
LmC	96.4	96.4	<0.1	--	--	--	0.0	--	--	--	--	0.0
LmD	96.4	96.4	<0.1	--	--	--	0.1	--	--	--	--	--
LmC	96.4	96.4	<0.1	--	--	--	0.2	--	--	--	--	0.2
LmD	97.3	97.3	<0.1	--	--	--	0.1	--	--	--	--	--
TaB	97.3	97.3	<0.1	--	--	--	0.0	--	--	--	--	0.0
TaB	97.4	97.4	<0.1	--	--	--	<0.01	--	--	--	--	<0.01
ArC	97.4	97.4	<0.1	--	--	--	0.1	--	--	--	--	--
ChC	97.4	97.4	<0.1	--	--	--	--	--	--	<0.01	<0.01	<0.01
McB	97.5	97.5	<0.1	--	--	--	--	--	--	--	--	0.3
McC	97.5	97.5	<0.1	--	--	--	--	--	--	--	--	<0.01

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
McB	97.5	97.5	<0.1	--	--	--	--	--	--	--	--	0.2
LoE	97.7	97.7	<0.1	--	--	--	0.0	--	--	--	--	--
CnC	97.7	97.8	<0.1	--	--	--	--	--	--	0.2	0.2	--
LoE	97.8	97.8	<0.1	--	--	--	0.1	--	--	--	--	--
LoE	98.6	98.6	<0.1	--	--	--	0.1	--	--	--	--	--
CnC	98.6	98.6	<0.1	--	--	--	--	--	--	0.1	0.1	--
VmC	98.7	98.7	<0.1	--	--	--	--	--	--	--	--	--
TaB	99.2	99.2	<0.1	--	--	--	0.2	--	--	--	--	0.2
TaB	99.2	99.3	<0.1	--	--	--	0.2	--	--	--	--	0.2
LmD	100.8	100.8	<0.1	--	--	--	0.1	--	--	--	--	--
LmC	100.8	100.8	<0.1	--	--	--	<0.01	--	--	--	--	<0.01
LmC	100.8	100.8	<0.1	--	--	--	0.1	--	--	--	--	0.1
LmC	100.8	100.9	<0.1	--	--	--	0.2	--	--	--	--	0.2
VcB	100.9	100.9	<0.1	--	--	--	--	--	--	--	--	0.1
ChC	101.0	101.0	<0.1	--	--	--	--	--	--	0.1	0.1	0.1
McC	101.1	101.2	<0.1	--	--	--	--	--	--	--	--	0.1
LoE	101.8	101.8	<0.1	--	--	--	0.2	--	--	--	--	--
LmD	102.0	102.0	<0.1	--	--	--	0.0	--	--	--	--	--
LmC	102.0	102.1	<0.1	--	--	--	0.2	--	--	--	--	0.2
LmC	102.1	102.2	<0.1	--	--	--	0.2	--	--	--	--	0.2
VcB	102.5	102.5	<0.1	--	--	--	--	--	--	--	--	0.1
LoE	102.5	102.5	<0.1	--	--	--	0.0	--	--	--	--	--
LmC	102.6	102.6	<0.1	--	--	--	0.0	--	--	--	--	0.0

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
LoE	102.6	102.6	<0.1	--	--	--	0.2	--	--	--	--	--
LoE	102.9	102.9	<0.1	--	--	--	0.1	--	--	--	--	--
LoE	103.1	103.1	<0.1	--	--	--	0.1	--	--	--	--	--
LmD	104.1	104.1	<0.1	--	--	--	0.1	--	--	--	--	--
VcB	104.1	104.1	<0.1	--	--	--	--	--	--	--	--	0.1
VcB	104.2	104.3	<0.1	--	--	--	--	--	--	--	--	0.2
VcC	104.5	104.5	<0.1	--	--	--	--	--	--	--	--	<0.01
MeE	104.5	104.5	<0.1	--	--	--	--	--	--	--	--	--
LrF	104.6	104.6	<0.1	0.1	--	--	0.1	--	--	--	--	--
LrF	104.6	104.6	<0.1	0.1	--	--	0.1	--	--	--	--	--
McD	104.6	104.6	<0.1	--	--	--	--	--	--	--	--	--
McD	104.8	104.8	<0.1	--	--	--	--	--	--	--	--	--
McD	104.8	104.8	<0.1	--	--	--	--	--	--	--	--	--
McD	104.9	104.9	<0.1	--	--	--	--	--	--	--	--	--
McD	105.0	105.0	0.1	--	--	--	--	--	--	--	--	--
VcC	105.0	105.0	<0.1	--	--	--	--	--	--	--	--	0.0
LmD	105.0	105.1	<0.1	--	--	--	0.2	--	--	--	--	--
LrF	105.0	105.0	<0.1	0.1	--	--	0.1	--	--	--	--	--
LmE	105.1	105.1	<0.1	--	--	--	<0.01	--	--	--	--	--
LmE	105.2	105.2	<0.1	--	--	--	<0.01	--	--	--	--	--
LmC	105.2	105.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
LoE	105.3	105.3	<0.1	--	--	--	0.1	--	--	--	--	--
VcC	105.3	105.3	<0.1	--	--	--	--	--	--	--	--	0.0

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
LoE	105.6	105.6	<0.1	--	--	--	0.0	--	--	--	--	--
LrF	105.6	105.7	<0.1	0.1	--	--	0.1	--	--	--	--	--
LrF	105.7	105.7	<0.1	0.1	--	--	0.1	--	--	--	--	--
LrF	105.7	105.7	<0.1	0.1	--	--	0.1	--	--	--	--	--
Ha	105.7	105.8	<0.1	--	--	--	--	--	--	0.1	0.1	0.1
Ha	105.8	105.8	<0.1	--	--	--	--	--	--	0.1	0.1	0.1
LrF	106.0	106.0	<0.1	0.1	--	--	0.1	--	--	--	--	--
LrF	106.1	106.1	<0.1	<0.01	--	--	<0.01	--	--	--	--	--
LmE	106.1	106.2	0.1	--	--	--	0.4	--	--	--	--	--
LmE	106.2	106.4	0.2	--	--	--	0.8	--	--	--	--	--
LmE	106.4	106.5	0.1	--	--	--	0.4	--	--	--	--	--
McD	106.7	106.7	<0.1	--	--	--	--	--	--	--	--	--
McD	106.9	107.0	0.1	--	--	--	--	--	--	--	--	--
VcC	107.1	107.2	<0.1	--	--	--	--	--	--	--	--	0.2
VcC	107.2	107.2	<0.1	--	--	--	--	--	--	--	--	0.1
LmD	107.2	107.2	<0.1	--	--	--	0.0	--	--	--	--	--
LmD	107.2	107.3	<0.1	--	--	--	0.2	--	--	--	--	--
ArC	107.4	107.4	<0.1	--	--	--	0.1	--	--	--	--	--
TaB	107.5	107.5	<0.1	--	--	--	0.1	--	--	--	--	0.1
LmC	108.6	108.6	<0.1	--	--	--	0.1	--	--	--	--	0.1
VcB	108.6	108.6	<0.1	--	--	--	--	--	--	--	--	0.0
VcB	108.6	108.7	<0.1	--	--	--	--	--	--	--	--	0.1
VcC	108.7	108.8	0.1	--	--	--	--	--	--	--	--	0.3

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
LoE	108.7	108.8	<0.1	--	--	--	0.0	--	--	--	--	--
LoE	108.8	108.9	0.1	--	--	--	0.5	--	--	--	--	--
LrF	109.0	109.1	0.1	0.4	--	--	0.4	--	--	--	--	--
LmC	109.1	109.1	<0.1	--	--	--	<0.01	--	--	--	--	<0.01
LmE	109.1	109.1	<0.1	--	--	--	0.1	--	--	--	--	--
LmE	109.2	109.2	<0.1	--	--	--	0.0	--	--	--	--	--
LmC	109.2	109.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
LmC	109.2	109.2	<0.1	--	--	--	0.1	--	--	--	--	0.1
VcB	109.2	109.3	0.1	--	--	--	--	--	--	--	--	0.3
VcB	109.3	109.3	<0.1	--	--	--	--	--	--	--	--	0.2
McC	109.4	109.5	<0.1	--	--	--	--	--	--	--	--	0.1
LmD	109.5	109.5	<0.1	--	--	--	<0.01	--	--	--	--	--
McC	109.6	109.6	<0.1	--	--	--	--	--	--	--	--	0.1
LoE	110.0	110.1	<0.1	--	--	--	0.2	--	--	--	--	--
ArC	110.2	110.2	<0.1	--	--	--	0.1	--	--	--	--	--
ArC	110.2	110.3	<0.1	--	--	--	0.1	--	--	--	--	--
ChC	110.3	110.3	<0.1	--	--	--	--	--	--	<0.01	<0.01	<0.01
ChC	110.3	110.3	<0.1	--	--	--	--	--	--	<0.01	<0.01	<0.01
LmD	110.3	110.3	<0.1	--	--	--	0.1	--	--	--	--	--
McC	110.5	110.6	0.1	--	--	--	--	--	--	--	--	0.2
McC	110.6	110.6	0.1	--	--	--	--	--	--	--	--	0.2
McC	110.7	110.7	<0.1	--	--	--	--	--	--	--	--	0.1
TaB	110.8	110.8	<0.1	--	--	--	0.1	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
McC	111.4	111.4	<0.1	--	--	--	--	--	--	--	--	0.1
VcB	111.5	111.5	<0.1	--	--	--	--	--	--	--	--	0.1
VcB	111.5	111.5	<0.1	--	--	--	--	--	--	--	--	0.1
LmC	111.7	111.7	<0.1	--	--	--	0.1	--	--	--	--	0.1
LmE	111.9	111.9	<0.1	--	--	--	0.1	--	--	--	--	--
LoE	111.9	111.9	<0.1	--	--	--	0.0	--	--	--	--	--
LoE	112.0	112.0	<0.1	--	--	--	0.1	--	--	--	--	--
MeE	112.1	112.1	<0.1	--	--	--	--	--	--	--	--	--
LrF	113.3	113.3	<0.1	0.1	--	--	0.1	--	--	--	--	--
NdC	113.6	113.6	<0.1	--	--	--	--	--	--	--	--	--
NdC	113.7	113.7	<0.1	--	--	--	--	--	--	--	--	--
McD	113.8	113.8	<0.1	--	--	--	--	--	--	--	--	--
McD	113.8	113.9	<0.1	--	--	--	--	--	--	--	--	--
LmE	114.5	114.5	<0.1	--	--	--	0.1	--	--	--	--	--
LrF	114.5	114.6	<0.1	0.1	--	--	0.1	--	--	--	--	--
NdD3	114.6	114.7	<0.1	--	--	--	--	--	--	--	--	--
NdC3	114.8	114.8	<0.1	--	--	--	--	--	--	--	--	--
NdB	115.2	115.3	<0.1	--	--	--	--	--	--	--	--	0.2
NdB	115.3	115.3	<0.1	--	--	--	--	--	--	--	--	0.1
IlC	115.3	115.3	<0.1	--	--	--	--	--	--	0.1	--	0.1
MhD	115.4	115.5	<0.1	--	--	--	--	--	--	--	--	--
LrF	115.5	115.5	<0.1	0.1	--	--	0.1	--	--	--	--	--
LmE	115.6	115.6	<0.1	--	--	--	0.1	--	--	--	--	--

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
HfB	116.7	116.7	<0.1	--	--	--	--	--	--	--	--	0.2
IaB	116.7	116.7	<0.1	--	--	--	--	--	--	0.0	--	0.0
IaB	116.7	116.8	0.1	--	--	--	--	--	--	0.3	--	0.3
MhC	116.9	116.9	<0.1	--	--	--	--	--	--	--	--	--
MlB	117.3	117.3	<0.1	--	--	--	--	--	--	--	--	0.2
MlB	117.3	117.4	<0.1	--	--	--	--	--	--	--	--	0.0
MhC	117.3	117.4	<0.1	--	--	--	--	--	--	--	--	--
MlB	117.4	117.4	<0.1	--	--	--	--	--	--	--	--	0.1
HfB	117.6	117.6	<0.1	--	--	--	--	--	--	--	--	0.1
MhF	119.4	119.4	<0.1	--	--	--	--	--	--	--	--	--
DeC	119.5	119.5	<0.1	--	--	--	--	--	--	--	--	0.0
ShB	119.5	119.5	<0.1	--	--	--	--	--	--	--	--	0.0
DeC	119.6	119.6	<0.1	--	--	--	--	--	--	--	--	0.2
DeC	119.6	119.6	<0.1	--	--	--	--	--	--	--	--	0.1
ShC	119.6	119.7	<0.1	--	--	--	--	--	--	--	--	0.1
SnC3	119.6	119.7	0.1	--	--	--	--	--	--	--	--	--
Bg	119.7	119.7	0.1	--	--	--	--	--	--	--	--	0.3
Bg	119.7	119.7	0.1	--	--	--	--	--	--	--	--	0.1
Bg	119.8	119.9	0.1	--	--	--	--	--	--	--	--	1.7
Bg	119.8	119.9	<0.1	--	--	--	--	--	--	--	--	0.1
OdB	120.0	120.0	<0.1	--	--	--	--	--	--	--	--	--
SnC3	120.1	120.1	<0.1	--	--	--	--	--	--	--	--	--
NlC	120.7	120.7	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Impacts (acres)								
				Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
HgC	120.7	120.7	<0.1	--	--	--	--	--	--	--	--	0.0
Al	120.7	120.7	<0.1	--	--	--	--	--	--	0.1	--	--
MhC	120.7	120.7	<0.1	--	--	--	--	--	--	--	--	--
MhC	121.0	121.0	<0.1	--	--	--	--	--	--	--	--	--
MhC	121.1	121.1	<0.1	--	--	--	--	--	--	--	--	--
MhC	121.3	121.3	<0.1	--	--	--	--	--	--	--	--	--
MhC	121.3	121.3	<0.1	--	--	--	--	--	--	--	--	--
DeB	121.4	121.4	<0.1	--	--	--	--	--	--	--	--	--
NdC	121.4	121.4	<0.1	--	--	--	--	--	--	--	--	--
NdC	121.5	121.5	<0.1	--	--	--	--	--	--	--	--	--
LhB	122.5	122.5	<0.1	--	--	--	--	--	--	--	--	0.1
LhC	122.5	122.5	<0.1	--	--	--	--	--	--	--	--	--
LhB	122.6	122.6	<0.1	--	--	--	--	--	--	--	--	0.1
DaB	123.0	123.0	<0.1	--	--	--	--	--	--	--	--	--
DaB	123.2	123.2	<0.1	--	--	--	--	--	--	--	--	--
OdB	123.2	123.2	<0.1	--	--	--	--	--	--	--	--	--
CoC	123.4	123.5	<0.1	--	--	--	--	--	--	--	--	--
DaB	123.5	123.5	<0.1	--	--	--	--	--	--	--	--	--
CoC	123.5	123.5	<0.1	--	--	--	--	--	--	--	--	--
LhC	123.9	123.9	<0.1	--	--	--	--	--	--	--	--	--
HfB	123.9	123.9	<0.1	--	--	--	--	--	--	--	--	0.1
HfB	124.0	124.0	<0.1	--	--	--	--	--	--	--	--	0.1
HfB	124.2	124.2	<0.1	--	--	--	--	--	--	--	--	0.1

TABLE J-3 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Project Extra Workspaces

				Impacts (acres)								
Soil Series Map Unit	From Milepost	To Milepost	Length Crossed (miles)[a]	Highly Water Erodible Soils[b]	Highly Wind Erodible Soils[c]	Stony/ Rocky Soils[d]	Shallow Depth to Bedrock[e]	Soil Compaction Potential[f]	Poor Revegetation Potential[g]	Drainage Potential[h]	Hydric Soils[i]	Prime Farmlands[j]
HfB	124.2	124.3	<0.1	--	--	--	--	--	--	--	--	0.2
HfB	124.4	124.4	<0.1	--	--	--	--	--	--	--	--	0.3

[a] If the length crossed is a distance less than 6 feet the number stated is represented by 0.0 miles.

[b] Areas identified as Highly Water Erodible Soils are ranked as "Very Severe" or "Severe" by NRCS SSURGO's Erosion Hazard (Off-Road, Off-Trail) criteria.

[c] Areas identified as Highly Wind Erodible Soils have a Wind Erodibilty Index of 134 or greater as determined by NRCS SSURGO.

[d] Areas identified to have Stony/Rocky Soils are lands that are composed of 20% or more of rock fragments larger than 3 inches in the surface layer as determined by NRCS SSURGO.

[e] Areas identified to have shallow depth to bedrock are described as having bedrock less than 5 feet from the surface as determined by NRCS SSURGO.

[f] Areas identified to have a severe compaction potential are limited to agricultural and residential lands that contain soils with a mean high water table of 1.5 feet or less below the surface elevation and have a surface texture of sandy clay loam, or finer as determined by NRCS SSURGO.

[g] Areas identified to have poor revegetation potential are lands that contain a Capability Class 3 or greater, a low available water capacity, and slopes greater than 8percent as determined by NRCS SSURGO.

[h] Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by NRCS SSURGO.

[i] Areas identified to have a hydric rating meet the all hydric criteria as determined by NRCS SSURGO.

APPENDIX J-4

Potential Soil Limitations Crossed by the Constitution Pipeline Project Access Roads

APPENDIX J-4
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	**Milepost[a]**	**Length Crossed (Miles)[b]**	**Access Road Name[c]**	**Highly Water Erodible Soils[d]**	**Highly Wind Erodible Soils[e]**	**Stony/Rocky Soils[f]**	**Shallow Depth to Bedrock[g]**	**Soil Compaction Potential[h]**	**Poor Revegetation Potential[i]**	**Drainage Potential[j]**	**Hydric Soils[k]**	**Prime Farmlands[l]**
PENNSYLVANIA												
Susquehanna												
LsD	0	0.1	PAR1c	--	--	--	0.3	--	--	--	--	--
WsB	0	<0.1	PAR1c	--	--	--	--	--	--	--	--	--
LkC2	0	<0.1	PAR1c	--	--	--	<0.1	--	--	--	--	<0.1
LsD	0	<0.1	PAR1d	--	--	--	0.1	--	--	--	--	--
WsB	0	<0.1	PAR1d	--	--	--	--	--	--	--	--	--
LkC2	1.7	0.1	PAR1	--	--	--	0.4	--	--	--	--	0.4
LoB	1.7	0.2	PAR1	--	--	--	0.8	--	--	--	--	0.8
LoC2	1.7	0.1	PAR1	--	--	--	0.4	--	--	--	--	0.4
LsB	1.7	0.2	PAR1	--	--	--	0.9	--	--	--	--	--
LsD	1.7	0.1	PAR1	--	--	--	0.6	--	--	--	--	--
MfC2	1.7	0.4	PAR1	--	--	--	--	--	--	--	--	0.7
VcB2	1.7	<0.1	PAR1	--	--	--	--	--	--	--	--	0.0
VsB	1.7	<0.1	PAR1	--	--	--	--	--	--	--	--	--
LsF	2.8	0.1	TAR1a	0.2	--	--	0.2	--	--	--	--	--
LsF	2.9	0.1	PAR1a	0.4	--	--	0.4	--	--	--	--	--
LfC2	3.3	<0.1	PAR2a									0.1
LgD	3.3	<0.1	PAR2a									
LsD	3.3	<0.1	PAR2a				0.1					
LfC2	3.3	<0.1	PAR2b									<0.1
MoB2	4.1	<0.1	PAR3	--	--	--	--	--	--	--	--	0.2
WeB2	4.1	0.2	PAR3	--	--	--	--	--	--	--	--	0.9

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC2	4.1	0.1	PAR3	--	--	--	--	--	--	--	--	0.6
MoB2	4.5	0.1	PAR3a	--	--	--	--	--	--	--	--	0.1
MoC2	4.5	0.1	PAR3a	--	--	--	--	--	--	--	--	0.2
MrC2	4.5	<0.1	PAR3a	--	--	--	--	--	--	--	--	<0.1
MoB2	4.7	0.1	PAR4	--	--	--	--	--	--	--	--	0.3
MoC2	4.7	0.2	PAR4	--	--	--	--	--	--	--	--	1.0
LsD	5.2	0.1	PAR5	--	--	--	0.2	--	--	--	--	--
MrC2	5.2	<0.1	PAR5	--	--	--	--	--	--	--	--	0.3
LkC2	7.2	<0.1	PAR6	--	--	--	0.2	--	--	--	--	0.2
McC2	7.2	0.2	PAR6	--	--	--	--	--	--	--	--	0.7
MgD	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	--
MoC2	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	0.4
VsD	7.2	0.1	PAR6	--	--	--	--	--	--	--	--	--
LoB	9.3	<0.1	PAR7a	--	--	--	0.1	--	--	--	--	0.1
LkB2	9.3	0.1	PAR7a	--	--	--	0.1	--	--	--	--	0.1
LfB	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	0.3
LgD	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	--
LkB2	9.5	<0.1	PAR7	--	--	--	0.0	--	--	--	--	0.0
LoB	9.5	0.1	PAR7	--	--	--	0.9	--	--	--	--	0.9
LsD	9.5	<0.1	PAR7	--	--	--	0.1	--	--	--	--	--
MsB	9.5	0.1	PAR7	--	--	--	--	--	--	--	--	--
MsD	9.5	<0.1	PAR7	--	--	--	--	--	--	--	--	--
MoB2	10.1	<0.1	TAR8	--	--	--	--	--	--	--	--	0.1
MrC2	10.1	0.1	TAR8	--	--	--	--	--	--	--	--	0.3
WeB2	10.1	<0.1	TAR8	--	--	--	--	--	--	--	--	0.1

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC2	10.1	0.1	TAR8	--	--	--	--	--	--	--	--	0.1
BsD	12.2	0.1	PAR10	--	--	--	--	--	--	--	--	--
LsB	12.2	<0.1	PAR10	--	--	--	0.2	--	--	--	--	--
LsD	12.2	0.1	PAR10	--	--	--	0.6	--	--	--	--	--
MrC2	12.2	<0.1	PAR10	--	--	--	--	--	--	--	--	0.0
WeB2	12.2	<0.1	PAR10	--	--	--	--	--	--	--	--	0.0
WeC2	12.2	0.1	PAR10	--	--	--	--	--	--	--	--	0.2
LsB	13.4	0.2	PAR11	--	--	--	0.3	--	--	--	--	--
LsD	13.4	0.2	PAR11	--	--	--	0.9	--	--	--	--	--
LsF	13.4	0.4	PAR11	1.2	--	--	1.2	--	--	--	--	--
BsD	14.1	<0.1	PAR12	--	--	--	--	--	--	--	--	--
LoB	14.1	<0.1	PAR12	--	--	--	0.1	--	--	--	--	0.1
LsD	14.1	0.2	PAR12	--	--	--	1.2	--	--	--	--	--
WeC2	14.1	0.1	PAR12	--	--	--	--	--	--	--	--	0.7
LsD	15.1	<0.1	PAR13	--	--	--	<0.01	--	--	--	--	--
WeC2	15.1	0.1	PAR13	--	--	--	--	--	--	--	--	0.1
WlC2	15.1	<0.1	PAR13	--	--	--	--	--	--	--	--	--
LsD	16.3	0.1	PAR14	--	--	--	0.7	--	--	--	--	--
MgB	16.3	0.3	PAR14	--	--	--	--	--	--	--	--	--
MoB2	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	0.4
MsB	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	--
WeC2	16.3	0.1	PAR14	--	--	--	--	--	--	--	--	0.5
MgD	16.5	0.1	PAR14a	--	--	--	--	--	--	--	--	--
LoC2	16.5	0.1	PAR14a	--	--	--	0.2	--	--	--	--	0.2
LsD	16.5	0.4	PAR14a	--	--	--	1.2	--	--	--	--	

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LsB	16.5	0.1	PAR14a	--	--	--	0.2	--	--	--	--	
VfB	16.5	0.1	PAR14a	--	--	--	--	--	--	--	--	0.3
MgB	16.5	0.1	PAR14a	--	--	--	--	--	--	--	--	
LsF	16.5	0.1	PAR14a	0.2	--	--	0.2	--	--	--	--	
VfC	16.5	0.1	PAR14a	--	--	--	--	--	--	--	--	0.2
MfD2	16.5	0.2	PAR14a	--	--	--	--	--	--	--	--	
MgF	16.5	0.1	PAR14a	0.2	--	--	--	--	--	--	--	
CnB2	16.5	<0.1	PAR14a	--	--	--	--	--	--	--	--	0.1
BsD	17.8	0.5	PAR15	--	--	--	--	--	--	--	--	--
BsF	17.8	0.1	PAR15	0.7	--	--	--	--	--	--	--	--
LfD2	17.8	<0.1	PAR15	--	--	--	--	--	--	--	--	--
LgF	17.8	0.1	PAR15	0.4	--	--	--	--	--	--	--	--
MgD	17.8	0.1	PAR15	--	--	--	--	--	--	--	--	--
MfC2	18.8	0.1	PAR15b	--	--	--	--	--	--	--	--	0.2
LgD	21.0	0.1	PAR15a	--	--	--	--	--	--	--	--	--
LsD	21.0	<0.1	PAR15a	--	--	--	0.0	--	--	--	--	--
WsD	21.0	<0.1	PAR15a	--	--	--	--	--	--	--	--	--
McD2	23.4	0.3	PAR16	--	--	--	--	--	--	--	--	--
MfD2	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	--
Mn	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	--
VcC2	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	0.1
VfB	23.4	0.1	PAR16	--	--	--	--	--	--	--	--	0.3
BsD	24.5	0.1	PAR18	--	--	--	--	--	--	--	--	--
MgB	24.5	0.1	PAR18	--	--	--	--	--	--	--	--	--
VsB	25.1	<0.1	TAR1	--	--	--	--	--	--	--	--	--

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	**Milepost[a]**	**Length Crossed (Miles)[b]**	**Access Road Name[c]**	**Highly Water Erodible Soils[d]**	**Highly Wind Erodible Soils[e]**	**Stony/Rocky Soils[f]**	**Shallow Depth to Bedrock[g]**	**Soil Compaction Potential[h]**	**Poor Revegetation Potential[i]**	**Drainage Potential[j]**	**Hydric Soils[k]**	**Prime Farmlands[l]**
VsD	25.1	<0.1	TAR1	--	--	--	--	--	--	--	--	--
NEW YORK												
Broome												
CcC	26.2	0.1	PAR19	--	--	--	--	--	0.2	--	--	0.2
LsE	26.2	<0.1	PAR19	--	--	--	0.1	--	--	--	--	--
OuC	26.2	<0.1	PAR19	--	--	--	<0.01	--	--	--	--	<0.01
CcC	26.7	<0.1	PAR20	--	--	--	--	--	0.1	--	--	0.1
CcC	27.8	0.1	PAR21	--	--	--	--	--	0.2	--	--	0.2
CcD	27.8	0.2	PAR21	--	--	--	--	--	--	--	--	--
CuB	27.8	<0.1	PAR21	--	--	--	--	--	0.1	--	--	0.1
MtC	27.8	0.1	PAR21	--	--	--	--	--	--	--	--	0.2
Wd	27.8	<0.1	PAR21	--	--	--	--	--	--	0.1	--	--
CcD	28.5	0.7	PAR22	--	--	--	--	--	--	--	--	--
CcE	28.5	0.2	PAR22	--	--	--	--	--	--	--	--	--
ChD	28.5	0.1	PAR22	--	--	--	--	--	0.1	--	--	--
Tg	33.8	<0.1	PAR27	--	--	--	--	--	--	--	--	0.1
UnC	33.8	<0.1	PAR27	--	--	--	--	--	--	--	--	0.1
Wd	33.8	<0.1	PAR27	--	--	--	--	--	--	0.1	--	--
UnC	33.8	<0.1	TAR27	--	--	--	--	--	--	--	--	<0.1
Tg	33.8	<0.1	TAR27	--	--	--	--	--	--	--	--	0.1
Wd	33.8	<0.1	TAR27	--	--	--	--	--	--	0.1	--	--
CcC	35.2	0.1	PAR28	--	--	--	--	--	0.2	--	--	0.2
ChC	35.2	<0.1	PAR28	--	--	--	--	--	--	--	--	0.1
CuC	35.2	<0.1	PAR28	--	--	--	--	--	--	--	--	0.0
CcD	36.1	0.1	PAR29	--	--	--	--	--	--	--	--	--

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	**Milepost[a]**	**Length Crossed (Miles)[b]**	**Access Road Name[c]**	**Highly Water Erodible Soils[d]**	**Highly Wind Erodible Soils[e]**	**Stony/Rocky Soils[f]**	**Shallow Depth to Bedrock[g]**	**Soil Compaction Potential[h]**	**Poor Revegetation Potential[i]**	**Drainage Potential[j]**	**Hydric Soils[k]**	**Prime Farmlands[l]**
MhC	40.7	<0.1	PAR31	--	--	--	--	--	--	--	--	0.1
VoB	40.9	<0.1	PAR31a	--	--	--	--	<0.1	--	--	--	<0.1
MhC	40.9	<0.1	PAR31a	--	--	--	--	--	--	--	--	0.1
MhC	41.2	<0.1	PAR32	--	--	--	--	--	--	--	--	0.0
VoB	41.2	<0.1	PAR32	--	--	--	--	0.1	--	--	--	0.1
Chenango												
Cn	43.6	<0.1	PAR33	--	--	--	--	0.0	--	0.0	--	--
MaC	43.6	<0.1	PAR33	--	--	--	--	--	--	--	--	0.1
McB	43.6	<0.1	PAR33	--	--	--	--	--	--	--	--	--
VoB	43.6	0.1	PAR33	--	--	--	--	--	--	--	--	0.1
LoB	44.2	0.2	PAR34	--	--	--	0.4	--	--	--	--	0.4
LoC	44.2	0.1	PAR34	--	--	--	0.3	--	--	--	--	0.3
LrE	44.2	0.1	PAR34	--	--	--	0.2	--	--	--	--	--
Delaware												
LoB	52.1	0.3	PAR36	--	--	--	0.7	--	--	--	--	0.7
LoD	52.1	0.1	PAR36	--	--	--	0.3	--	--	--	--	--
MdB	52.1	0.2	PAR36	--	--	--	--	--	--	--	--	0.3
MnB	52.1	0.1	PAR36	--	--	--	0.1	--	--	--	--	0.1
MnC	54.1	<0.1	PAR36a	--	--	--	0.0	--	--	--	--	0.0
MnD	54.1	0.6	PAR36a	--	--	--	0.3	--	--	--	--	--
OnB	54.1	0.2	PAR36a	--	--	--	--	--	--	--	--	0.9
WhB	54.1	<0.1	PAR36a	--	--	--	--	--	--	--	--	0.1
WhC	54.1	0.2	PAR36a	--	--	--	--	--	--	--	--	0.7
WhB	54.1	<0.1	TAR36a	--	--	--	--	--	--	--	--	0.1
WhC	54.1	0.2	TAR36a	--	--	--	--	--	--	--	--	0.6

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
OnB	54.1	0.2	TAR36a	--	--	--	--	--	--	--	--	0.6
MhD	54.1	0.2	TAR36a	--	--	--	--	--	--	--	--	--
HcC	54.3	0.1	PAR36b	--	--	--	0.2	--	--	--	--	--
HcE	54.3	0.2	PAR36b	--	--	--	0.7	--	--	--	--	--
MnD	54.3	0.5	PAR36b	--	--	--	0.4	--	--	--	--	--
MhD	54.3	0.3	TAR36b	--	--	--	--	--	--	--	--	--
MnC	54.3	0.1	TAR36b	--	--	--	--	--	--	--	--	0.3
HcE	54.3	0.2	TAR36b	--	--	--	0.6	--	--	--	--	--
MnC	54.9	0.2	TAR36c	--	--	--	0.7	--	--	--	--	0.7
TeB	54.9	<0.1	TAR36c	--	--	--	0.1	--	--	0.1	--	0.1
LoE	54.9	0.1	TAR36c	--	--	--	0.3	--	--	--	--	
TeB	54.9	0.2	TAR36c	--	--	--	0.6	--	--	0.6	--	0.6
LoC	54.9	0.1	TAR36c	--	--	--	0.2	--	--		--	0.2
LoB	54.9	0.1	TAR36c	--	--	--	0.2	--	--	--	--	0.2
LoB	55.4	<0.1	PAR36d	--	--	--	0.1	--	--	--	--	0.1
MdC	55.4	<0.1	PAR36d	--	--	--	--	--	--	--	--	0.1
MaB	58.9	0.2	PAR37	--	--	--	--	--	--	--	--	0.6
MaC	58.9	0.2	PAR37	--	--	--	--	--	--	--	--	0.4
MaD	58.9	0.1	PAR37	--	--	--	--	--	--	--	--	--
TkC	58.9	0.5	PAR37	--	--	--	--	--	--	--	--	1.0
MaB	60.1	0.2	PAR38	--	--	--	--	--	--	--	--	0.5
WeC	60.1	0.1	PAR38	--	--	--	--	--	--	--	--	0.4
LaC	62.6	0.2	PAR39	--	--	--	--	--	--	--	--	0.6
MrA	62.6	<0.1	PAR39	--	--	--	--	--	--	--	--	0.0
WeB	62.6	0.1	PAR39	--	--	--	--	--	--	--	--	0.2

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
WeC	62.6	0.3	PAR39	--	--	--	--	--	--	--	--	0.7
MsB	63.5	0.1	PAR40	--	--	--	--	--	--	--	--	--
WeB	63.5	0.2	PAR40	--	--	--	--	--	--	--	--	0.5
WeC	63.5	0.1	PAR40	--	--	--	--	--	--	--	--	0.3
OpC	65.9	0.1	PAR41	--	--	--	0.2	--	--	--	--	0.2
VlB	65.9	<0.1	PAR41	--	--	--	0.1	--	--	--	--	0.1
MrB	66.8	<0.1	PAR42	--	--	--	--	--	--	--	--	0.1
WeB	66.8	<0.1	PAR42	--	--	--	--	--	--	--	--	<0.01
LaE	68.3	0.3	PAR43	--	--	--	--	--	--	--	--	--
WeB	68.3	<0.1	PAR43	--	--	--	--	--	--	--	--	0.0
WeC	68.3	0.2	PAR43	--	--	--	--	--	--	--	--	0.7
Bc	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	0.3
LaC	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	0.1
LaD	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	--
LdE	70.0	0.1	PAR44	--	--	--	--	--	--	--	--	--
WeC	70.0	0.2	PAR44	--	--	--	--	--	--	--	--	0.4
LaD	70.5	0.3	PAR45	--	--	--	--	--	--	--	--	--
LdC	70.5	0.1	PAR45	--	--	--	--	--	--	--	--	--
OpB	70.5	0.2	PAR45	--	--	--	0.4	--	--	--	--	0.4
OpC	70.5	0.3	PAR45	--	--	--	0.3	--	--	--	--	0.3
TtB	70.5	0.1	PAR45	--	--	--	--	--	--	--	--	0.2
WeC	70.5	0.2	PAR45	--	--	--	--	--	--	--	--	0.2
Ff	72.6	<0.1	PAR46	--	--	--	--	--	--	<0.01	--	--
HcE	72.6	0.2	PAR46	--	--	--	1.0	--	--	--	--	--
OfB	72.6	0.1	PAR46	--	--	--	--	--	--	--	--	--

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
VlC	72.6	0.3	PAR46	--	--	--	1.4	--	--	--	--	1.4
W	72.6	<0.1	PAR46	--	--	--	--	--	--	--	--	--
WmB	72.6	0.4	PAR46	--	--	--	--	--	--	--	--	1.4
WmC	72.6	0.1	PAR46	--	--	--	--	--	--	--	--	0.6
OfB	73.6	0.2	PAR47	--	--	--	--	--	--	--	--	--
WmB	73.6	0.4	PAR47	--	--	--	--	--	--	--	--	0.4
WmC	73.6	0.2	PAR47	--	--	--	--	--	--	--	--	0.5
HcC	76.8	0.1	PAR48	--	--	--	0.2	--	--	--	--	--
VlC	76.8	<0.1	PAR48	--	--	--	0.1	--	--	--	--	0.1
WmB	76.8	0.2	PAR48	--	--	--	--	--	--	--	--	0.4
VlC	76.9	0.1	PAR48b	--	--	--	0.3	--	--	--	--	0.3
WmB	76.9	<0.1	PAR48b	--	--	--	--	--	--	--	--	0.1
HcC	76.9	0.1	PAR48b	--	--	--	0.2	--	--	--	--	--
WmC	80.4	<0.1	PAR48a	--	--	--	--	--	--	--	--	0.1
BtB	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	0.1
HcC	84.3	<0.1	PAR54	--	--	--	0.0	--	--	--	--	--
LoB	84.3	<0.1	PAR54	--	--	--	0.1	--	--	--	--	0.1
LoC	84.3	<0.1	PAR54	--	--	--	0.1	--	--	--	--	0.1
MdB	84.3	<0.1	PAR54	--	--	--	--	--	--	--	--	0.1
MdC	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	0.3
MsB	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	--
WfC	84.3	0.1	PAR54	--	--	--	--	--	--	--	--	--
ChC	87.7	0.1	TAR5	--	--	--	--	--	--	--	--	0.3
VaB	87.7	0.2	TAR5	--	--	--	--	--	--	--	--	0.5
HcC	89.3	0.1	PAR56	--	--	--	0.4	--	--	--	--	--

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	Milepost[a]	Length Crossed (Miles)[b]	Access Road Name[c]	Highly Water Erodible Soils[d]	Highly Wind Erodible Soils[e]	Stony/Rocky Soils[f]	Shallow Depth to Bedrock[g]	Soil Compaction Potential[h]	Poor Revegetation Potential[i]	Drainage Potential[j]	Hydric Soils[k]	Prime Farmlands[l]
LeC	89.3	<0.1	PAR56	--	--	--	--	--	--	--	--	0.0
MnB	89.3	0.1	PAR56	--	--	--	0.4	--	--	--	--	0.4
WhB	89.3	<0.1	PAR56	--	--	--	--	--	--	--	--	0.1
VlB	92.7	<0.1	TAR4	--	--	--	<0.01	--	--	--	--	<0.01
VlD	92.7	0.1	TAR4	--	--	--	0.3	--	--	--	--	--
Schoharie												
LoE	94.2	<0.1	PAR56a	--	--	--	0.1	--	--	--	--	--
LmD	94.2	<0.1	PAR56a	--	--	--	0.1	--	--	--	--	--
McC	94.2	0.1	PAR56a	--	--	--	--	--	--	--	--	0.3
TaB	94.2	<0.1	PAR56a	--	--	--	0.1	--	--	--	--	0.1
VcC	94.2	0.1	PAR56a	--	--	--	--	--	--	--	--	0.3
McD	95.1	<0.1	PAR59	--	--	--	--	--	--	--	--	--
ThA	95.1	<0.1	PAR59	--	--	--	--	--	--	--	--	0.0
LmC	96.0	<0.1	PAR60	--	--	--	0.1	--	--	--	--	0.1
LmD	96.0	0.2	PAR60	--	--	--	0.3	--	--	--	--	--
LmE	96.0	<0.1	PAR60	--	--	--	0.1	--	--	--	--	--
LoE	96.0	0.1	PAR60	--	--	--	0.1	--	--	--	--	--
VcC	96.0	0.3	PAR60	--	--	--	--	--	--	--	--	1.0
LmC	99.9	0.1	PAR63	--	--	--	0.1	--	--	--	--	0.1
LmD	99.9	<0.1	PAR63	--	--	--	0.1	--	--	--	--	--
LmE	99.9	0.1	PAR63	--	--	--	0.2	--	--	--	--	--
McC	101.5	<0.1	TAR2	--	--	--	--	--	--	--	--	0.1
VcB	101.5	<0.1	TAR2	--	--	--	--	--	--	--	--	0.1
ArC	103.4	0.2	PAR66	--	--	--	0.5	--	--	--	--	--
LmD	103.4	<0.1	PAR66	--	--	--	0.1	--	--	--	--	--

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	**Milepost[a]**	**Length Crossed (Miles)[b]**	**Access Road Name[c]**	**Highly Water Erodible Soils[d]**	**Highly Wind Erodible Soils[e]**	**Stony/Rocky Soils[f]**	**Shallow Depth to Bedrock[g]**	**Soil Compaction Potential[h]**	**Poor Revegetation Potential[i]**	**Drainage Potential[j]**	**Hydric Soils[k]**	**Prime Farmlands[l]**
LoE	103.4	0.4	PAR66	--	--	--	1.0	--	--	--	--	--
LrF	103.4	0.1	PAR66	0.2	--	--	0.2	--	--	--	--	--
Ha	106.4	<0.1	PAR68	--	--	--	--	--	--	0.0	0.0	0.0
LmE	106.4	0.1	PAR68	--	--	--	0.2	--	--	--	--	--
MhC	117.1	0.2	PAR71	--	--	--	--	--	--	--	--	--
HfB	117.9	0.2	PAR73	--	--	--	--	--	--	--	--	0.8
MhC	117.9	0.1	PAR73	--	--	--	--	--	--	--	--	--
MlB	117.9	0.1	PAR73	--	--	--	--	--	--	--	--	0.2
DeC	119.6	<0.1	PAR74	--	--	--	--	--	--	--	--	0.1
OdB	12.0	0.1	PAR74c	--	--	--	--	--	--	--	--	--
DdC	12.0	0.1	PAR74c	--	--	--	--	--	--	--	--	0.2
ShB	120.3	<0.1	PAR74a	--	--	--	--	--	--	--	--	0.1
LdB	120.3	0.1	PAR74a	--	--	--	0.4	--	--	--	--	0.4
OdB	120.3	0.1	PAR74a	--	--	--	--	--	--	--	--	--
Al	120.3	<0.1	PAR74a	--	--	--	--	--	--	<0.1	--	--
HfB	124.6	0.1	PAR76	--	--	--	--	--	--	--	--	0.2

[a] The mileposts for access roads correspond to where the access road enters the pipeline alignment.

[b] If the length crossed is a distance less than 6 feet the number stated is represented by 0.00 miles.

[c] TAR = temporary access road; PAR = permanent access road.

[d] Areas identified as Highly Water Erodible Soils are ranked as "Very Severe" or "Severe" by NRCS SSURGO's Erosion Hazard (Off-Road, Off-Trail) criteria.

[e] Areas identified as Highly Wind Erodible Soils have a Wind Erodibility Index of 134 or greater as determined by NRCS SSURGO.

[f] Areas identified to have Stony/Rocky Soils are lands that are composed of 20% or more of rock fragments larger than 3 inches in the surface layer as determined by NRCS SSURGO.

[g] Areas identified to have shallow depth to bedrock are described as having bedrock less than 5 feet from the surface as determined by NRCS SSURGO.

[h] Areas identified to have a severe compaction potential are limited to agricultural and residential lands that contain soils with a mean high water table of 1.5 feet or less below the surface elevation and have a surface texture of sandy clay loam, or finer as determined by NRCS SSURGO.

APPENDIX J-4 (continued)
Potential Limitations of Soil Series Map Units Crossed by the Constitution Pipeline Access Roads

				Impacts (acres)								
Soil Series Map Unit	**Milepost[a]**	**Length Crossed (Miles)[b]**	**Access Road Name[c]**	**Highly Water Erodible Soils[d]**	**Highly Wind Erodible Soils[e]**	**Stony/Rocky Soils[f]**	**Shallow Depth to Bedrock[g]**	**Soil Compaction Potential[h]**	**Poor Revegetation Potential[i]**	**Drainage Potential[j]**	**Hydric Soils[k]**	**Prime Farmlands[l]**

[i] Areas identified to have poor revegetation potential are lands that contain a Capability Class 3 or greater, a low available water capacity, and slopes greater than 8 percent as determined by NRCS SSURGO.

[j] Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by NRCS SSURGO.

[k] Areas identified to have a hydric rating meet the all hydric criteria as determined by NRCS SSURGO.

[l] Areas identified as Prime Farmland are identified as lands that meet the All Prime Farmland or Farmland of Statewide Importance criteria as determined by NRCS SSURGO.

APPENDIX K

Waterbodies Crossed by the Constitution Pipeline Project

APPENDIX K-1

Waterbodies Crossed by the Constitution Pipeline Project
Pennsylvania

APPENDIX K-1
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
WATERBODIES ASSOCIATED WITH PIPELINE									
SU-1M-S212	UNT to Hop Bottom Creek	0.19	Susquehanna	E	12	I	CWF	N/A	II
SU-1M-S212	UNT to Hop Bottom Creek	0.23	Susquehanna	E	19	I	CWF	N/A	II
SU-1B-S211	UNT to Hop Bottom Creek	0.23	Susquehanna	I	2	MI	CWF	N/A	II
SU-1B-S213	UNT to Hop Bottom Creek	0.68	Susquehanna	P	17	I	CWF	N/A	II
SU-1C-S364	UNT to Hop Bottom Creek	0.84	Susquehanna	E	0	N/A	CWF	N/A	N/A
SU-1C-S363	UNT to Hop Bottom Creek	0.84	Susquehanna	E	0	N/A	CWF	N/A	N/A
SU-1X-S366	UNT to Hop Bottom Creek	0.85	Susquehanna	E	2	MI	CWF	N/A	II
SU-1B-S315	UNT to Hop Bottom Creek	0.87	Susquehanna	E	2	MI	CWF	N/A	II
SU-1B-S315A	UNT to Hop Bottom Creek	0.88	Susquehanna	E	0	N/A	CWF	N/A	N/A
SU-1M-S220	Hop Bottom Creek	1.08	Susquehanna	P	10	MI	CWF	N/A	II
SU-1M-S220	Hop Bottom Creek	1.09	Susquehanna	P	64	I	CWF	N/A	II
SU-1B-S224	UNT to Hop Bottom Creek	1.73	Susquehanna	I	3	MI	CWF	N/A	II
SU-1C-S172A	UNT to Martins Creek	2.34	Susquehanna	I	3	MI	CWF	N/A	II
SU-1C-S172A	UNT to Martins Creek	2.35	Susquehanna	I	0	N/A	CWF	N/A	N/A
SU-1C-S172	UNT to Martins Creek	2.37	Susquehanna	P	7	MI	CWF	N/A	II
SU-1B-S228	Martins Creek	2.97	Susquehanna	P	28	I	CWF	N/A	II
SU-1M-S229	Road Ditch	3.02	Susquehanna	E	7	MI	CWF	N/A	III
SU-1B-S275	UNT to Martins Creek	3.04	Susquehanna	I	3	MI	CWF	N/A	II

APPENDIX K-1 (continued)
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
SU-1M-S275A	UNT to Martins Creek	3.06	Susquehanna	I	1	MI	CWF	N/A	II
SU-1M-S275A	UNT to Martins Creek	3.07	Susquehanna	I	0	N/A	CWF	N/A	N/A
SU-1M-S276	UNT to Martins Creek	3.23	Susquehanna	I	5	MI	CWF	N/A	II
SU-1M-S276	UNT to Martins Creek	3.25	Susquehanna	I	4	MI	CWF	N/A	II
SU-1M-S276	UNT to Martins Creek	3.30	Susquehanna	I	3	MI	CWF	N/A	III
SU-1M-S276A	Road Ditch	3.30	Susquehanna	E	1	MI	CWF	N/A	III
SU-1B-S136	UNT to East Branch Martins Creek	5.49	Susquehanna	P	6	MI	CWF	N/A	III
SU-1Q-S138A	UNT to Meylert Creek	6.68	Susquehanna	I	0	N/A	HQ-CWF	N/A	N/A
SU-1B-S137	Meylert Creek	6.71	Susquehanna	P	12	I	HQ-CWF	N/A	II
SU-1F-S140	UNT to Meylert Creek	7.20	Susquehanna	E	0	N/A	HQ-CWF	N/A	N/A
SU-1B-S141	UNT to Wellmans Creek	8.34	Susquehanna	P	3	MI	HQ-CWF	N/A	II
SU-1F-S148	UNT to Wellmans Creek	8.67	Susquehanna	I	4	MI	HQ-CWF	N/A	II
SU-1F-S142	UNT to Wellmans Creek	8.71	Susquehanna	I	15	I	HQ-CWF	N/A	II
SU-1F-S142	UNT to Wellmans Creek	8.72	Susquehanna	I	15	I	HQ-CWF	N/A	II
SU-1B-S144	Wellmans Creek	8.87	Susquehanna	P	4	MI	HQ-CWF	N/A	II
SU-1B-S145	UNT to Wellmans Creek	8.90	Susquehanna	P	5	MI	HQ-CWF	N/A	II
SU-1D-S230	UNT to Wellmans Creek	9.18	Susquehanna	E	2	MI	HQ-CWF	N/A	III
SU-1C-S029G	Road Ditch	9.88	Susquehanna	E	3	MI	HQ-CWF	N/A	II
SU-1X-S231	Salt Lick Creek	9.94	Susquehanna	P	36	I	HQ-CWF	N/A	II

APPENDIX K-1 (continued)
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
SU-1X-S233	UNT to Salt Lick Creek	9.97	Susquehanna	I	0	N/A	HQ-CWF	N/A	N/A
SU-1D-S235	Agricultural Ditch	10.53	Susquehanna	E	3	MI	HQ-CWF	N/A	II
SU-1D-S237	UNT to Salt Lick Creek	10.72	Susquehanna	I	3	MI	HQ-CWF	N/A	II
SU-1B-S031	UNT to East Lake Creek	11.03	Susquehanna	I	59	I	HQ-CWF	N/A	II
SU-1B-S033	UNT to East Lake Creek	11.25	Susquehanna	E	3	MI	HQ-CWF	N/A	II
SU-1B-S035	UNT to East Lake Creek	11.30	Susquehanna	E	2	MI	HQ-CWF	N/A	II
SU-1B-S036	UNT to East Lake Creek	11.35	Susquehanna	E	3	MI	HQ-CWF	N/A	II
SU-1B-S038	UNT to East Lake Creek	11.42	Susquehanna	P	15	I	HQ-CWF	N/A	II
SU-1E-S039	UNT to East Lake Creek	11.55	Susquehanna	P	15	I	HQ-CWF	N/A	II
SU-1E-S043A	UNT to East Lake Creek	11.90	Susquehanna	I	2	MI	HQ-CWF	N/A	II
SU-1K-S254A	UNT to Salt Lick Creek	12.78	Susquehanna	I	0	N/A	HQ-CWF	N/A	N/A
SU-1C-S253	UNT to Salt Lick Creek	12.80	Susquehanna	P	11	I	HQ-CWF	N/A	II
SU-1B-S134	UNT to Lewis Creek	14.36	Susquehanna	E	0	N/A	CWF	N/A	N/A
SU-1K-S064	Road Ditch	15.08	Susquehanna	I	2	MI	CWF	N/A	II
SU-1G-S068	UNT to Drinker Creek	15.21	Susquehanna	E	5	MI	CWF	N/A	II
SU-1K-S067	UNT to Drinker Creek	15.27	Susquehanna	P	8	MI	CWF	N/A	II
SU-1K-S069	UNT to Drinker Creek	15.43	Susquehanna	P	28	I	CWF	N/A	II
SU-1K-S069A	UNT to Drinker Creek	15.45	Susquehanna	P	0	N/A	CWF	N/A	N/A
SU-1G-S074	UNT to Drinker Creek	15.59	Susquehanna	P	3	MI	CWF	N/A	II

APPENDIX K-1 (continued)
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
SU-1K-S076	UNT to Drinker Creek	15.77	Susquehanna	P	14	I	CWF	N/A	II
SU-1K-S076A	UNT to Drinker Creek	15.77	Susquehanna	P	0	N/A	CWF	N/A	N/A
SU-1S-S325	UNT to Canawacta Creek	17.95	Susquehanna	E	2	MI	CWF	June 16 to February 28	II
SU-1G-S298	Canawacta Creek	18.72	Susquehanna	I	14	I	CWF	June 16 to February 28	II
SU-1X-S285	UNT to Starrucca Creek	19.85	Susquehanna	E	1	MI	CWF	June 16 to February 28	II
SU-1X-S285A	UNT to Starrucca Creek	19.85	Susquehanna	E	0	N/A	CWF	June 16 to February 28	N/A
SU-1X-S286	UNT to Starrucca Creek	19.92	Susquehanna	P	4	MI	CWF	June 16 to February 28	II
SU-1S-S289A	UNT to Starrucca Creek	20.69	Susquehanna	I	25	I	CWF	June 16 to February 28	II
SU-1X-S289	UNT to Starrucca Creek	20.73	Susquehanna	P	22	I	CWF	June 16 to February 28	II
SU-1C-S367	UNT to Starrucca Creek	21.46	Susquehanna	I	4	MI	CWF	June 16 to February 28	III
SU-1C-S179	UNT to Starrucca Creek	21.50	Susquehanna	P	21	I	CWF	June 16 to February 28	II
SU-1C-S180	Starrucca Creek	21.76	Susquehanna	P	74	I	CWF	June 16 to February 28	II
SU-1X-S281	UNT to Roaring Run	22.49	Susquehanna	I	3	MI	CWF	January 1 to September 30	II
SU-1C-S282	UNT to Roaring Run	22.53	Susquehanna	I	3	MI	CWF	January 1 to September 30	II
SU-1X-S284A	UNT to Roaring Run	22.53	Susquehanna	I	21	I	CWF	January 1 to September 30	II
SU-1X-S284	Roaring Run	22.54	Susquehanna	P	19	I	CWF	January 1 to September 30	II
SU-1X-S284B	UNT to Roaring Run	22.56	Susquehanna	E	0	N/A	CWF	January 1 to September 30	N/A

APPENDIX K-1 (continued)
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
SU-1C-S371	UNT to Roaring Run	22.58	Susquehanna	E	3	MI	CWF	January 1 to September 30	II
SU-1C-S283	Little Roaring Brook	23.31	Susquehanna	P	11	I	CWF	N/A	II
SU-1Q-S200	UNT to Little Roaring Brook	23.74	Susquehanna	I	3	MI	CWF	N/A	II
SU-1J-S202	UNT to Little Roaring Brook	23.79	Susquehanna	E	2	MI	CWF	N/A	II
SU-1B-S277	UNT to Little Roaring Brook	23.85	Susquehanna	I	6	MI	CWF	N/A	II
SU-1B-S109	UNT to Little Roaring Brook	24.26	Susquehanna	I	2	MI	CWF	N/A	II
SU-1S-S262	UNT to Little Roaring Brook	24.27	Susquehanna	I	1	MI	CWF	N/A	II
SU-1S-S261	UNT to Little Roaring Brook	24.29	Susquehanna	I	1	MI	CWF	N/A	II
SU-1J-S112A	UNT to Little Roaring Brook	24.38	Susquehanna	I	0	N/A	CWF	N/A	N/A
SU-1B-S110	UNT to Little Roaring Brook	24.40	Susquehanna	P	18	I	CWF	N/A	II
SU-1B-S115	UNT to Little Roaring Brook	24.41	Susquehanna	I	0	N/A	CWF	N/A	N/A
SU-1C-S163	UNT to Cascade Creek	25.21	Susquehanna	P	1	MI	CWF	N/A	II
Pipeline Total Crossing Length (ft)					**735**				
WATERBODIES ASSOCIATED WITH ACCESS ROADS									
SU-1M-S276 PAR-2b	UNT to Martins Creek	3.29	Susquehanna	I	2	MI	CWF	N/A	Permanent Culvert/Bridge
SU-1D-S234 TAR8	UNT to Salt Lick Creek	10.08	Susquehanna	I	2	MI	HQ-CWF	N/A	Temporary Culvert/Bridge
SU-1B-S357 PAR12	Stormwater basin	14.02	Susquehanna	N/A (waterbody)	0	N/A	HQ-CWF	N/A	N/A
SU-1E-S049 PAR15	UNT to Canawacta Creek	17.74	Susquehanna	I	6	MI	CWF	June 16 to February 28	Permanent Culvert/Bridge

APPENDIX K-1 (continued)
Waterbodies Crossed by the Constitution Pipeline - Pipeline Facilities - Pennsylvania

Waterbody ID[a]	Waterbody Name	Approximate Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Classification[f, g]	State Fishery Construction Window[h]	Crossing Method[i]
SU-1H-S164 TAR1	UNT to Little Roaring Brook	25.1	Susquehanna	I	0	MI	CWF	N/A	Temporary Culvert/Bridge
Access Road Total Crossing Length					**10**				
Total Crossing Length Pennsylvania					**745**				

N/A = Not Applicable

UNT = Unnamed tributary

a Crossings and lengths for waterbody features with "XX" in identification name taken from National Hydrography Dataset GIS datalayer and estimated by Constitution based on scaled aerial photographs.

b MP provided for access roads indicate the point at which the access road meets the proposed pipeline.

c P = perennial; I = intermittent; E = Ephemeral.

d 0.0 = waterbody is not crossed but is in workspace. For minor waterbodies less than 3 feet in width delineated in the survey area and shown as a single line feature on the Project alignment sheets or where tree canopy cover obscured estimation of the waterbody crossing from scaled aerial photographs, a nominal waterbody crossing width of three feet was used.

e MI = Minor (<10 feet); I = Intermediate (>10 - <100 feet); MA = Major (>100 feet).

f PA Water Quality Classification Definition: CWF = Cold Water Fishery; HQ = High Quality (Chapter 93 Pennsylvania Code).

Water quality classifications were identified through Constitution's desktop review of available GIS data layers. A waterbody that was not assigned a water quality classification on the GIS data layer was given the same classification as the waterbody it drains into. All water quality classifications shown are designated uses, no existing uses are present in the Project area based on Constitution's review of available GIS data layers.

g N/A = Not Applicable, no state fishery classification; TS = Trout stocked; PA Fishery Classifications: Approved trout waters (PFBC 2013 and PFBC 2012a); Natural Trout Reproduction (PFBC 2012b,c).

h Construction Windows for fisheries are a based on PFBC state fishery classification restrictions. Streams with no construction timing restrictions, shown as "N/A" on the table, do not have timing restrictions for construction based on PFBC regulations and consultations. Potential timing restrictions reflect dates during which construction activities may occur and are subject to PFBC and PADEP review. Constitution would adhere to the PADEP and PFBC fishery timing restriction during construction; state fishery timing restrictions are designed by the state to protect the resources during the time period that the state has determined is critical.

i I = Wet Open Cut Method; II = Dry Crossing Method, including Flume, Dam and Pump, Cofferdam, or Dry Open Cut for waterbodies that are dry at the time of crossing; Method III = Conventional Bore; IV or V= Trenchless Crossing Method (Direct Pipe). Intermittent waterbodies containing discernible flow at the time of construction would be crossed using a dry crossing method, unless otherwise authorized by applicable regulatory agencies.

APPENDIX K-2

Waterbodies Crossed by the Constitution Pipeline Project
New York

APPENDIX K-2
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
WATERBODIES ASSOCIATED WITH THE PIPELINE										
BR-1C-S207	UNT to Cascade Creek	26.37	Broome	I	17	I	D	N/A	No	II
BR-1C-S230	UNT to Cascade Creek	26.48	Broome	E	10	MI	D	N/A	No	II
BR-1C-S230A	UNT to Cascade Creek	26.48	Broome	E	3	MI	D	N/A	No	II
BR-1S-S207D	UNT to Cascade Creek	26.58	Broome	E	3	MI	D	N/A	No	II
BR-1S-S207C	UNT to Cascade Creek	26.58	Broome	P	3	MI	D	N/A	No	II
BR-1S-S207E	UNT to Cascade Creek	26.58	Broome	E	3	MI	D	N/A	No	II
BR-1S-S206	UNT to Cascade Creek	26.59	Broome	I	15	I	D	N/A	No	II
BR-1S-S205	UNT to Cascade Creek	26.68	Broome	I	0	N/A	D	N/A	No	N/A
BR-1C-S204	UNT to Cascade Creek	26.74	Broome	I	6	MI	D	N/A	No	II
BR-1C-S211	UNT to Fly Creek	27.31	Broome	I	12	I	B(T)	June 1 - Sep 30	Yes	II
BR-1C-S210	UNT to Fly Creek	27.33	Broome	I	6	MI	B(T)	June 1 - Sep 30	Yes	II
BR-1L-S222	UNT to Fly Creek	28.19	Broome	E	0	N/A	D	N/A	No	N/A
BR-1H-S179	UNT to Fly Creek	28.36	Broome	P	18	I	B(T)	June 1 - Sep 30	Yes	II
BR-1H-S178	Fly Creek	28.78	Broome	P	31	I	B(T)	June 1 - Sep 30	Yes	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
BR-1B-S049	UNT to Fly Creek	28.88	Broome	I	12	I	B(T)	June 1 - Sep 30	Yes	II
BR-1J-S170	UNT to Fly Creek	28.96	Broome	I	3	MI	D	N/A	No	III
BR-1H-S208	UNT to Fly Creek	29.07	Broome	E	5	MI	D	N/A	No	II
BR-1J-S048	UNT to Fly Creek	29.21	Broome	P	18	I	B(T)	June 1 - Sep 30	Yes	II
BR-1I-S050B	UNT to Fly Creek	29.42	Broome	E	16	I	D	N/A	No	II
BR-1I-S051	UNT to Fly Creek	29.77	Broome	I	3	MI	D	N/A	No	II
BR-1I-S001	UNT to Marsh Creek	30.41	Broome	P	40	I	C(T)	June 1 - Sep 30	Yes	II
BR-1B-S054B	UNT to Marsh Creek	30.61	Broome	E	0	N/A	D	N/A	No	N/A
BR-1I-S055	Marsh Creek	30.78	Broome	P	30	I	C(T)	June 1 - Sep 30	Yes	II
BR-XX-31.80/ BR-1H-S132	UNT to Oquaga Creek	31.80	Broome	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
BR-1I-S188A	UNT to Oquaga Creek	32.98	Broome	P	13	I	C(TS)	June 1 - Sep 30	Yes	II
BR-1G-S186	UNT to Oquaga Creek	33.66	Broome	I	3	MI	D	N/A	No	II
BR-1B-S056A	UNT to Oquaga Creek	33.68	Broome	P	18	I	C(TS)	June 1 - Sep 30	Yes	II
BR-1I-S057	Oquaga Creek	34.02	Broome	P	42	I	C(TS)	June 1 - Sep 30	Yes	II
BR-1H-S181A	Road Ditch	34.59	Broome	E	1	MI	N/A	N/A	No	III
BR-1B-S181	Road Ditch	34.63	Broome	I	1	MI	N/A	N/A	No	III
BR-1G-S189	UNT to Oquaga Creek	34.66	Broome	P	4	MI	C(T)	N/A	Yes	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
BR-1I-S190	UNT to Oquaga Creek	34.74	Broome	P	11	I	C(T)	June 1 - Sep 30	Yes	II
BR-1U-S135	UNT to Oquaga Creek	35.23	Broome	I	6	MI	D	N/A	No	II
BR-1K-S138	UNT to Oquaga Creek	35.33	Broome	I	18	I	D	N/A	No	II
BR-1K-S140	UNT to Oquaga Creek	35.63	Broome	I	13	I	C(T)	June 1 - Sep 30	Yes	II
BR-1I-S062	UNT to Oquaga Creek	35.99	Broome	P	3	MI	C(T)	N/A	Yes	II
BR-1I-S065	UNT to Oquaga Creek	36.28	Broome	P	3	MI	C(T)	N/A	Yes	II
BR-1U-S141	Oquaga Creek	36.62	Broome	P	38	I	C(T)	June 1 - Sep 30	Yes	II
BR-1I-S067	Dry Brook	37.41	Broome	P	19	I	C(T)	June 1 - Sep 30	Yes	II
BR-1I-S067	Dry Brook	37.42	Broome	P	36	I	C(T)	June 1 - Sep 30	Yes	II
BR-1C-S071A	UNT to Dry Brook	38.49	Broome	E	2	MI	D	N/A	No	II
BR-1Q-S209	UNT to Dry Brook	38.78	Broome	P	7	MI	C(T)	June 1 - Sep 30	Yes	II
BR-1Q-S210	UNT to Dry Brook	38.98	Broome	E	5	MI	D	N/A	No	II
BR-1C-S150A	UNT to Dry Brook	39.17	Broome	E	29	I	D	June 1 - Sep 30	No	II
BR-1C-S150	Dry Brook	39.29	Broome	P	12	I	C(T)	June 1 - Sep 30	Yes	II
BR-1C-S221	UNT to Dry Brook	39.71	Broome	E	3	MI	D	N/A	No	II
BR-1B-S072	Road Ditch	40.74	Broome	E	1	MI	N/A	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
BR-1G-S196	UNT of Cornell Creek	41.27	Broome	E	3	MI	D	N/A	No	II
BR-1I-S198	UNT of Cornell Creek	41.36	Broome	I	9	MI	D	N/A	No	II
BR-1C-S151	UNT of Cornell Creek	41.47	Broome	E	3	MI	D	N/A	No	II
BR-1S-S200	Road Ditch	41.90	Broome	I	3	MI	N/A	N/A	No	II
BR-1S-S203	UNT to Cornell Creek	41.98	Broome	I	5	MI	D	N/A	No	II
CH-1L-S250	UNT to Cornell Creek	42.33	Chenango	P	23	I	C(TS)	June 1 - Sep 30	Yes	II
CH-1H-S011	UNT of Cornell Creek	42.46	Chenango	P	11	I	C(TS)	June 1 - Sep 30	Yes	II
CH-1H-S011A	UNT of Cornell Creek	42.48	Chenango	P	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
CH-1J-S014A	UNT of Cornell Creek	42.80	Chenango	E	3	MI	C	N/A	No	II
CH-1J-S014	UNT of Cornell Creek	42.80	Chenango	P	28	I	C	N/A	No	II
CH-1J-S015	UNT of Cornell Creek	42.83	Chenango	P	13	I	C	N/A	No	II
CH-XX-43.07	UNT of Cornell Creek	43.07	Chenango	P	4	MI	C	N/A	No	II
CH-1H-S016	UNT of Cornell Creek	43.84	Chenango	P	5	MI	C	June 1 - Sep 30	No	II
CH-1S-S060	UNT to Landers Creek	45.27	Chenango	I	12	I	D	N/A	No	II
CH-1A-S048	Landers Creek	45.37	Chenango	P	29	I	C(TS)	June 1 - Sep 30	Yes	II
CH-1C-S065	UNT to Susquehanna River	45.79	Chenango	E	13	I	D	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
CH-1X-S063	UNT to Susquehanna River	46.29	Chenango	I	3	MI	C(T)	N/A	Yes	II
CH-1X-S062	UNT to Susquehanna River	46.36	Chenango	I	0	N/A	D	N/A	No	N/A
CH-1X-S062A	UNT to Susquehanna River	46.36	Chenango	I	3	MI	D	N/A	No	II
CH-1X-S061	UNT to Susquehanna River	46.46	Chenango	E	3	MI	D	N/A	No	II
CH-1C-S035B	UNT to Susquehanna River	46.67	Chenango	E	3	MI	D	N/A	No	II
CH-1Q-S036A	UNT to Susquehanna River	46.77	Chenango	E	0	N/A	D	N/A	No	N/A
CH-1C-S008	UNT to Bennettsville Creek	47.40	Chenango	E	3	MI	D	N/A	No	II
CH-1K-S009	UNT to Bennettsville Creek	47.53	Chenango	E	11	I	D	N/A	No	II
CH-1C-S010B	Bennettsville Creek	47.73	Chenango	I	31	I	C(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.75	Chenango	I	20	I	C(T)	May 15 - Oct 15	Yes	V
CH-1C-S010C	Bennettsville Creek	47.76	Chenango	I	17	I	C(T)	May 15 - Oct 15	Yes	V
CH-1A-S010	Bennettsville Creek	47.80	Chenango	P	90	I	C(T)	May 15 - Oct 15	Yes	V

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
CH-1C-S010F	Bennettsville Creek	47.82	Chenango	E	26	I	C(T)	May 15 - Oct 15	Yes	V
CH-1B-S025	UNT to Bennettsville Creek	48.32	Chenango	I	3	MI	D	N/A	No	II
CH-1B-S029	UNT to Bennettsville Creek	48.77	Chenango	I	0	N/A	D	N/A	No	N/A
CH-1S-S042	UNT to Bennettsville Creek	49.72	Chenango	P	4	MI	C	N/A	No	II
CH-1S-S044	UNT to Bennettsville Creek	49.72	Chenango	I	0	N/A	C	N/A	No	N/A
CH-1S-S046	UNT to Bennettsville Creek	49.79	Chenango	I	6	MI	C	N/A	No	II
CH-1A-S047	Road Ditch	50.19	Chenango	E	3	MI	N/A	N/A	No	II
CH-1A-S038	UNT to Bennettsville Creek	50.32	Chenango	I	3	MI	D	N/A	No	II
DE-1B-S026A	UNT to Masonville Creek	51.06	Chenango	I	3	MI	D	N/A	No	II
DE-1H-S026B	UNT to Masonville Creek	51.08	Chenango	E	19	I	D	N/A	No	II
DE-1H-S026	Rock Creek	51.08	Chenango	P	16	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1H-S026	Rock Creek	51.08	Chenango	P	4	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1C-S270	UNT to Masonville Creek	51.23	Delaware	I	4	MI	D	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1H-S028	Road Ditch	51.74	Delaware	I	3	MI	N/A	N/A	No	III
DE-1B-S029	UNT to Susquehanna River	52.63	Delaware	P	9	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1H-S033	UNT to Masonville Creek	53.99	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.59	Delaware	P	80	I	AA	N/A	Yes	II
DE-1H-S013	UNT to Susquehanna River (Collar Brook)	54.63	Delaware	P	70	I	AA	N/A	Yes	II
DE-1M-S075	UNT to Susquehanna River	55.21	Delaware	E	3	MI	C	N/A	No	II
DE-1M-S077	UNT to Carrs Creek	55.79	Delaware	E	9	MI	D	N/A	No	II
DE-1K-S077A	Road Ditch	55.81	Delaware	I	3	MI	N/A	N/A	No	II
DE-1M-S077	UNT to Carrs Creek	55.87	Delaware	E	19	I	D	N/A	No	II
DE-1F-S078	UNT to Carrs Creek	56.01	Delaware	P	21	I	C(TS)	June 1 - Sep 30	Yes	II
DE-XX-S56.60	UNT to Carrs Creek	56.60	Delaware	P	4	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-XX-S56.84	Carrs Creek	56.84	Delaware	P	3	MI	C(T)	June 1 - Sep 30	Yes	II
DE-XX-S56.90	UNT to Carrs Creek	56.90	Delaware	P	3	MI	C	N/A	No	II
DE-1C-S110B	UNT to Susquehanna River	57.99	Delaware	I	7	MI	D	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1C-S113C	UNT to Susquehanna River	58.09	Delaware	P	3	MI	C	N/A	No	II
DE-1C-S113D	UNT to Susquehanna River	58.19	Delaware	I	3	MI	D	N/A	No	II
DE-1N-S079A	UNT to Susquehanna River	58.52	Delaware	I	0	N/A	D	N/A	No	N/A
DE-1N-S079	UNT to Susquehanna River	58.52	Delaware	P	13	I	C	N/A	No	II
DE-1C-S190	UNT to Susquehanna River	58.87	Delaware	I	7	MI	D	N/A	No	II
DE-1S-S100	UNT to Pond	58.95	Delaware	E	41	I	D	N/A	No	II
DE-1N-S101	UNT to Pond	59.13	Delaware	I	19	I	D	N/A	No	II
DE-1M-S081	UNT to Ouleout Creek	59.67	Delaware	I	8	MI	D	N/A	No	II
DE-1S-S102	UNT to Ouleout Creek	59.99	Delaware	P	21	I	C	N/A	No	II
DE-1Q-S071	UNT to Ouleout Creek	60.37	Delaware	I	20	I	D	N/A	No	II
DE-1P-S129	Ouleout Creek	60.87	Delaware	P	98	I	C(T)	June 1 - Sep 30	Yes	II
DE-1W-S130	UNT to Ouleout Creek	61.12	Delaware	I	17	I	C	N/A	No	II
DE-1C-S303	Road Ditch	61.63	Delaware	I	5	MI	D	N/A	No	II
DE-1A-S301	UNT to Susquehanna River	62.43	Delaware	I	36	I	C	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1P-S211	UNT to Susquehanna River	63.17	Delaware	I	0	N/A	C	N/A	No	N/A
DE-1X-S235	UNT to Susquehanna River	63.98	Delaware	P	8	MI	C	N/A	No	II
DE-1C-S287	UNT to Ouleout Creek	64.83	Delaware	I	40	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1L-S176	UNT to Susquehanna River	66.28	Delaware	I	7	MI	D	N/A	No	II
DE-1C-S273A	UNT to Susquehanna River	66.90	Delaware	P	12	I	D	N/A	No	II
DE-XX-68.77	UNT to Ouleout Creek	68.77	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1P-S054	UNT to Ouleout Creek	69.46	Delaware	P	14	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1W-S055A	UNT to Ouleout Creek	70.56	Delaware	E	0	N/A	D	N/A	No	N/A
DE-1C-S275	UNT to Ouleout Creek	70.76	Delaware	I	11	I	D	N/A	No	II
DE-1C-S275	UNT to Ouleout Creek	70.76	Delaware	I	5	MI	D	N/A	No	II
DE-1C-S274	UNT to Ouleout Creek	70.76	Delaware	I	0	N/A	D	N/A	No	N/A
DE-1C-S273	UNT to Ouleout Creek	70.83	Delaware	I	3	MI	D	N/A	No	II
DE-1P-S056	UNT to Ouleout Creek	70.90	Delaware	P	13	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1P-S056A	UNT to Ouleout Creek	70.93	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1P-S058	UNT to Ouleout Creek	71.75	Delaware	P	12	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1P-S058B	UNT to Ouleout Creek	71.76	Delaware	I	0	N/A	D	N/A	No	N/A
DE-1C-S192	UNT to Ouleout Creek	71.87	Delaware	I	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1C-S192A	UNT to Ouleout Creek	71.88	Delaware	I	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-XX-72.97	UNT to Ouleout Creek	72.97	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1P-S125	UNT to Ouleout Creek	74.16	Delaware	I	3	MI	D	N/A	No	II
DE-1P-S126	UNT to Ouleout Creek	74.27	Delaware	P	30	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1C-S268	Road Ditch	75.29	Delaware	I	4	MI	N/A	N/A	No	II
DE-XX-75.82	UNT to Ouleout Creek	75.82	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.39	UNT to Ouleout Creek	76.39	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-XX-76.46	UNT to Ouleout Creek	76.46	Delaware	P	3	MI	C	N/A	No	II
DE-1C-S290	UNT to Charlotte Creek	76.75	Delaware	I	0	N/A	D	N/A	No	N/A
DE-1C-S289	UNT to Charlotte Creek	76.81	Delaware	I	3	MI	D	N/A	No	II
DE-XX-77.83	UNT to Charlotte Creek	77.83	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1B-S263A	UNT to Charlotte Creek	78.04	Delaware	I	3	MI	D	N/A	No	II
DE-1B-S263B	UNT to Charlotte Creek	78.04	Delaware	I	0	N/A	D	N/A	No	N/A
DE-1G-S241	Road Ditch	78.18	Delaware	I	4	MI	N/A	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1L-S210B	UNT to Charlotte Creek	78.27	Delaware	E	0	N/A	C	N/A	No	N/A
DE-1L-S210C	UNT to Charlotte Creek	78.27	Delaware	I	0	N/A	C	N/A	No	N/A
DE-1L-S210	UNT to Charlotte Creek	78.27	Delaware	P	14	I	C	N/A	No	II
DE-1G-S242	UNT to Charlotte Creek	78.57	Delaware	E	5	MI	D	N/A	Yes	II
DE-1G-S243	UNT to Charlotte Creek	78.59	Delaware	E	3	MI	D	N/A	Yes	II
DE-1G-S244	UNT to Charlotte Creek	78.60	Delaware	E	3	MI	D	N/A	Yes	II
DE-1L-S254	UNT to Charlotte Creek	79.03	Delaware	I	17	I	D	N/A	No	II
DE-1L-S256	UNT to Charlotte Creek	79.07	Delaware	I	12	I	D	N/A	No	II
DE-1L-S255	UNT to Charlotte Creek	79.13	Delaware	I	11	I	D	N/A	No	II
DE-XX-S79.36	Prosser Hollow Brook	79.30	Delaware	P	4	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1M-S135	UNT to Charlotte Creek	79.89	Delaware	E	15	I	D	N/A	No	II
DE-1P-S136	UNT to Charlotte Creek	80.20	Delaware	P	3	MI	C	N/A	No	II
DE-1P-S138	UNT to Charlotte Creek	80.30	Delaware	P	6	MI	C	June 1 - Sep 30	No	II
DE-1P-S137	UNT to Charlotte Creek	80.30	Delaware	P	13	I	C	June 1 - Sep 30	No	II
DE-1G-S207	UNT to Charlotte Creek	80.31	Delaware	P	5	MI	C	N/A	No	II
DE-1L-S208	UNT to Charlotte Creek	80.32	Delaware	P	4	MI	C	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1L-S206	UNT to Charlotte Creek	80.37	Delaware	I	4	MI	D	June 1 - Sep 30	No	II
DE-1B-S267	UNT to Charlotte Creek	80.44	Delaware	I	13	I	D	N/A	No	II
DE-1G-S183	Pumpkin Hollow Brook	80.54	Delaware	P	4	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1G-S183C	Pumpkin Hollow Brook	80.55	Delaware	I	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1G-S183B	Pumpkin Hollow Brook	80.55	Delaware	I	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
DE-1G-S183C	Pumpkin Hollow Brook	80.55	Delaware	I	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
DE-1G-S200	Isolated Hillside Seep	81.40	Delaware	N/A	0	N/A	N/A	N/A	No	N/A
DE-1I-S201	Kortright Creek	81.58	Delaware	P	41	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1G-S201A	Kortright Creek	81.60	Delaware	I	29	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1G-S203	UNT to Kortright Creek	81.97	Delaware	P	12	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1I-S203A	UNT to Kortright Creek	81.98	Delaware	I	5	MI	D	N/A	No	II
DE-1G-S204	UNT to Kortright Creek	82.01	Delaware	E	0	N/A	D	N/A	No	N/A
DE-1B-S271	UNT to Kortright Creek	83.11	Delaware	P	9	MI	C	June 1 - Sep 30	No	II
DE-1B-S272	UNT to Kortright Creek	83.38	Delaware	P	15	I	C	N/A	No	II
DE-XX-84.66	UNT to Charlotte Creek	84.66	Delaware	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1L-S252	UNT to Middle Brook	86.08	Delaware	I	13	I	D	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
DE-1R-S001	UNT to Middle Brook	87.08	Delaware	I	16	I	C	N/A	No	II
DE-1C-S117	Mud Lake/UNT to Middle Brook	87.10	Delaware	P	10	MI	C	N/A	No	II
DE-1T-S050	UNT to Middle Brook	87.78	Delaware	I	3	MI	D	N/A	No	II
DE-1T-S051	Middle Brook	87.86	Delaware	P	54	I	C(TS)	June 1 - Sep 30	Yes	V
DE-1T-S052	UNT to Middle Brook	88.07	Delaware	P	9	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1P-S053B	UNT to Middle Brook	88.45	Delaware	I	3	MI	D	N/A	No	II
DE-1P-S053	UNT to Middle Brook	88.49	Delaware	P	15	I	C(TS)	June 1 - Sep 30	Yes	II
DE-1L-S250	Road Ditch	90.21	Delaware	I	3	MI	N/A	N/A	No	II
DE-XX-91.82/ SC-1G-S006	UNT to Charlotte Creek	91.82	Delaware	I	3	MI	C(TS)	June 1 - Sep 30	Yes	II
DE-1G-S005	UNT to Charlotte Creek	92.33	Delaware	I	10	MI	C(T)	June 1 - Sep 30	Yes	II
SC-1F-S002	UNT to Charlotte Creek	94.60	Schoharie	P	14	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1F-S002	UNT to Charlotte Creek	94.60	Schoharie	P	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
SC-1S-S315	UNT to Charlotte Creek	94.61	Schoharie	I	4	MI	C(T)	June 1 - Sep 30	Yes	II
SC-1Y-S342	Road Ditch	94.97	Schoharie	I	3	MI	N/A	N/A	No	III
SC-1C-S325E	UNT to Clapper Hollow Creek	95.21	Schoharie	P	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
SC-1C-S325F	UNT to Clapper Hollow Creek	95.21	Schoharie	P	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
SC-1C-S325	Clapper Hollow Creek	95.21	Schoharie	P	20	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1C-S325A	UNT to Clapper Hollow Creek	95.23	Schoharie	I	0	N/A	C(TS)	June 1 - Sep 30	Yes	N/A
SC-1Q-S284	UNT to Clapper Hollow Creek	95.38	Schoharie	P	3	MI	C(TS)	June 1 - Sep 30	Yes	II
SC-1Q-S278	UNT to Clapper Hollow Creek	96.08	Schoharie	P	16	I	C(T)	June 1 - Sep 30	Yes	II
SC-1C-S280	Road Ditch	96.40	Schoharie	E	3	MI	N/A	N/A	No	III
SC-1G-S343	UNT to Clapper Hollow Creek	97.44	Schoharie	I	11	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1C-S329	Road Ditch	97.73	Schoharie	I	3	MI	N/A	N/A	No	II
SC-1A-S370C	Road Ditch	97.77	Schoharie	I	11	I	C(T)	June 1 - Sep 30	Yes	II
SC-1A-S370	Road Ditch	97.79	Schoharie	P	17	I	C(T)	June 1 - Sep 30	Yes	II
SC-1A-S370F	Road Ditch	97.80	Schoharie	I	9	MI	C(T)	June 1 - Sep 30	Yes	II
SC-1L-S335	UNT to Clapper Hollow Creek	98.62	Schoharie	P	42	I	C(T)	June 1 - Sep 30	Yes	II
SC-XX-S101.48	UNT to Clapper Hollow Creek	101.43	Schoharie	P	0	N/A	C	N/A	No	N/A
SC-1E-S102	West Kill	101.76	Schoharie	P	34	I	C(T)	June 1 - Sep 30	Yes	II
SC-1E-S104	UNT to West Kill	102.11	Schoharie	I	3	MI	C	N/A	No	II
SC-1E-S105	UNT to West Kill	103.04	Schoharie	I	3	MI	D	N/A	No	II
SC-1M-S013	UNT to Cobleskill Creek	104.08	Schoharie	E	4	MI	D	N/A	No	II
SC-1G-S151	Beards Hollow Brook	104.53	Schoharie	P	6	MI	C	N/A	No	II
SC-1Q-S244	UNT to Beards Hollow Brook	104.86	Schoharie	E	3	MI	D	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
SC-1P-S218	UNT to Beards Hollow Brook	105.25	Schoharie	I	4	MI	D	N/A	No	II
SC-1P-S218A	UNT to Beards Hollow Brook	105.27	Schoharie	I	3	MI	D	N/A	No	II
SC-1G-S249	UNT to Beards Hollow Brook	105.65	Schoharie	I	8	MI	D	N/A	No	II
SC-1L-S166	UNT to Cobleskill Creek	105.81	Schoharie	P	15	I	C	N/A	No	II
SC-1L-S166A	UNT to Cobleskill Creek	105.83	Schoharie	P	0	N/A	C	N/A	No	N/A
SC-1L-S164	UNT to Cobleskill Creek	106.18	Schoharie	I	4	MI	D	N/A	No	II
SC-1I-S297	UNT to Cobleskill Creek	106.39	Schoharie	E	3	MI	D	N/A	No	II
SC-1J-S298	UNT to Cobleskill Creek	106.48	Schoharie	E	3	MI	D	N/A	No	II
SC-1J-S300	UNT to Cobleskill Creek	106.48	Schoharie	E	0	N/A	D	N/A	No	N/A
SC-1L-S195	UNT to Cobleskill Creek	106.55	Schoharie	E	4	MI	D	N/A	No	II
SC-1L-S264	UNT to Cobleskill Creek	106.57	Schoharie	E	3	MI	D	N/A	No	II
SC-1L-S165A	UNT to Cobleskill Creek	106.59	Schoharie	I	5	MI	D	N/A	No	II
SC-1L-S265	UNT to Cobleskill Creek	106.59	Schoharie	E	3	MI	D	N/A	No	II
SC-1L-S165B	UNT to Cobleskill Creek	106.63	Schoharie	I	6	MI	C	N/A	No	II
SC-1Q-S165C	UNT to Cobleskill Creek	106.67	Schoharie	I	0	N/A	D	N/A	No	N/A
SC-1L-S267	UNT to Cobleskill Creek	107.01	Schoharie	P	3	MI	C	N/A	No	II

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
SC-1C-S271	UNT to Cobleskill Creek	108.81	Schoharie	E	10	MI	D	N/A	No	II
SC-1C-S279	UNT to Cobleskill Creek	109.13	Schoharie	E	5	MI	D	N/A	No	II
SC-1C-S278	UNT to Cobleskill Creek	109.15	Schoharie	E	7	MI	D	N/A	No	II
SC-1Q-S273	UNT to House Creek	109.49	Schoharie	I	3	MI	C(TS)	June 1 - Sep 30	Yes	II
SC-1Q-S274	UNT to House Creek	109.49	Schoharie	I	0	N/A	D	N/A	No	N/A
SC-1Q-S280	UNT to House Creek	109.71	Schoharie	P	4	MI	C(TS)	June 1 - Sep 30	Yes	II
SC-1I-S280A	UNT to House Creek	109.73	Schoharie	I	8	MI	D	N/A	No	II
SC-1C-S186	House Creek	110.10	Schoharie	P	30	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1C-S186A	UNT to House Creek	110.29	Schoharie	P	15	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1C-S187	Road Ditch	110.57	Schoharie	E	3	MI	N/A	N/A	No	III
SC-1C-S331	UNT to House Creek	110.58	Schoharie	I	3	MI	D	N/A	No	III
SC-1C-S332	UNT to House Creek	110.76	Schoharie	P	8	MI	D	N/A	No	II
SC-1P-S019	UNT to Limekiln Creek	113.40	Schoharie	P	7	MI	C	N/A	No	II
SC-1M-S018	UNT to Limekiln Creek	113.76	Schoharie	E	3	MI	C	N/A	No	II
SC-1N-S016	UNT to Limekiln Creek	114.52	Schoharie	E	3	MI	D	N/A	No	II
SC-1Q-S289	Schoharie Creek	119.74	Schoharie	P	248	MA	C	Jul 16 - Feb 28	Yes - (Navigable River)	V

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]
SC-1Q-S291	UNT to Schoharie Creek	119.87	Schoharie	E	5	MI	D	N/A	No	II
SC-1D-S181	UNT to Schoharie Creek	120.55	Schoharie	E	3	MI	D	N/A	No	II
SC-1C-S180	UNT to Schoharie Creek	120.79	Schoharie	P	28	I	C(TS)	June 1 - Sep 30	Yes	II
SC-1G-S196	UNT to Schoharie Creek	122.56	Schoharie	P	11	I	C	N/A	No	II
SC-1Q-S060	Louse Kill	123.97	Schoharie	I	14	I	C	N/A	No	II
Pipeline Total Crossing Length					**2,794**					
WATERBODIES ASSOCIATED WITH ACCESS ROADS										
BR-1B-S049 TAR 22A	UNT to Fly Creek	28.88	Broome	P	10	MI	B(T)	June 1 - Sep 30	Yes	Minor Fill Required at Approach to Existing Culverted Stream Crossing
DE-1C-S284 TAR 36A	UNT to Masonville Creek	54.14	Delaware	P	50	I	C(TS)	June 1 - Sep 30	Yes	Temporary Culvert/Bridge
DE-1C-S283 TAR 36A	UNT to Masonville Creek	54.14	Delaware	I	35	I	D	N/A	No	Temporary Culvert/Bridge
DE-1A-S297 PAR 40	UNT to Ouleout Creek	63.89	Delaware	I	50	I	C(T)	June 1 - Sep 30	Yes	Permanent Culvert/Bridge
DE-1B-S217 PAR 46	UNT to Ouleout Creek	72.82	Delaware	I	10	MI	D	N/A	No	Permanent Culvert/Bridge
SC-1L-S163 PAR 68	UNT to Cobleskill Creek	106.50	Schoharie	E	5	MI	D	N/A	No	Permanent Culvert/Bridge
Access Road Total Crossing Length					**160**					
Total Crossing Length in New York					**2,954**					

APPENDIX K-2 (continued)
Waterbodies Crossed by the Constitution Pipeline Project - Pipeline Facilities - New York

Waterbody ID[a]	Waterbody Name	Approx. Milepost[b]	County	Waterbody Type[c]	Crossing Length (feet)[d]	FERC Class[e]	Water Quality Standard[f, g]	State Fishery Construction Window[h]	NYSDEC Protected Waterbody (Yes or No)	Crossing Method[i]

N/A = Not Applicable

UNT = Unnamed tributary

[a] Crossings and lengths for waterbody features with "XX" in identification name taken from National Hydrography Dataset GIS datalayer and estimated by Constitution based on scaled aerial photographs.

[b] MP provided for access roads indicate the point at which the access road meets the proposed pipeline.

[c] P = perennial; I = intermittent; E = Ephemeral.

[d] 0.0 = waterbody is not crossed but is in workspace. For minor waterbodies less than 3 feet in width delineated in the survey area and shown as a single line feature on the Project alignment sheets or where tree canopy cover obscured estimation of the waterbody crossing from scaled aerial photographs, a nominal waterbody crossing width of three feet was used.

[e] MI = Minor (<10 feet); I = Intermediate (>10 - <100 feet); MA = Major (>100 feet).

[f] NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931).

[g] N/A = Not applicable, no state fishery classification; NY Fishery Classifications: T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

[h] Construction Windows for coldwater fisheries are a based on correspondence from S. Tomasik of NYSDEC to Constitution dated March 21, 2014. Potential timing restrictions reflect dates during which construction activities may occur. Streams with no construction timing restrictions, shown as "N/A" on the Table, do not have timing restrictions for construction based on NYSDEC regulations and consultations. Waterbody-specific assignment of construction window based on in-field consultation with the NYSDEC.

[i] I = Wet Open Cut Method; II = Dry Crossing Method, including Flume or Dam and Pump, Cofferdam, or Dry Open Cut for waterbodies that are dry at the time of crossing; Method III = Conventional Bore; IV or V = Trenchless Crossing Method (Direct Pipe Method). Intermittent waterbodies containing discernible flow at the time of construction would be crossed using a dry crossing method, unless otherwise authorized by applicable regulatory agencies.

APPENDIX L

Wetlands Associated with the Constitution Pipeline Project

APPENDIX L-1

Wetlands Associated with the Constitution Pipeline Project
Pennsylvania

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
WETLANDS ASSOCIATED WITH PIPELINE													
SU-1X-W343	0.17	Brooklyn	Susquehanna	PFO	17	0.09			0.04			Other	II
SU-1B-W226	0.33	Brooklyn	Susquehanna	PEM	81			0.19			0.12	Other	II
	0.37	Brooklyn	Susquehanna	PEM	23							Other	II
SU-1C-W342	0.40	Brooklyn	Susquehanna	PEM	0			0.02				Other	N/A
SU-1B-W227	0.47	Brooklyn	Susquehanna	PEM	159			0.26			0.18	Other	IV
SU-1Q-W316	0.92	Brooklyn	Susquehanna	PEM	11			0.02			0.01	Other	II
SU-1B-W229	1.07	Brooklyn	Susquehanna	PSS	70		0.18	0.57		0.10	0.39	Other	II
	1.13	Brooklyn	Susquehanna	PEM, PSS	351							Other	II
SU-1C-W187	2.11	Brooklyn	Susquehanna	PEM	116			0.21			0.17	Other	II
	2.16	Brooklyn	Susquehanna	PEM	38							Other	II
SU-1C-W188	2.20	Brooklyn	Susquehanna	PEM	0			0.68			0.44	Other	N/A
	2.22	Brooklyn	Susquehanna	PEM	19							Other	II
	2.26	Brooklyn	Susquehanna	PEM	183							Other	II
	2.31	Brooklyn	Susquehanna	PEM	201							Other	II
SU-1C-W189	2.35	Brooklyn	Susquehanna	PFO, PSS, PEM	223	0.06	0.16	0.04	0.05	0.13	0.03	Other	II
SU-1C-W190	2.42	Brooklyn	Susquehanna	PEM, PSS	56		0.01	0.10			0.06	Other	II
SU-1C-W191	2.44	Brooklyn	Susquehanna	PEM	0			0.01				Other	N/A
SU-1A-W352	2.98	Brooklyn/ Hartford	Susquehanna	PFO	17	0.02			0.02			Other	II
SU-1B-W234	3.27	Harford	Susquehanna	PEM	120			0.14			0.14	Other	II
SU-1C-W351	3.88	Harford	Susquehanna	PEM	0			0.04				Other	N/A
	3.92	Harford	Susquehanna	PEM	0							Other	N/A

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1M-W236	4.22	Harford	Susquehanna	PSS	0		0.13			0.02		Other	N/A
	4.25	Harford	Susquehanna	PSS	0							Other	N/A
SU-1B-W237	4.45	New Milford	Susquehanna	PEM	316			0.49			0.36	Other	II
SU-1B-W238	4.51	New Milford	Susquehanna	PEM	112			0.19			0.12	Other	II
SU-1B-W239	4.55	New Milford	Susquehanna	PEM	89			0.19			0.11	Other	II
SU-1I-W116	4.83	New Milford	Susquehanna	PEM	0			0.02				Other	N/A
SU-1X-W132B	5.49	New Milford	Susquehanna	PFO	0	0.03		0.18	0.01		0.11	Other	N/A
	5.50	New Milford	Susquehanna	PFO, PEM	99							Other	IV
SU-1F-W134	6.51	New Milford	Susquehanna	PEM	31			0.05			0.03	Other	II
SU-1B-W136	6.68	New Milford	Susquehanna	PSS	119		0.21			0.14		Other	II
SU-1F-W135	6.71	New Milford	Susquehanna	PEM, PSS	30		0.05	0.02		0.04		Other	II
SU-1F-W137	7.20	New Milford	Susquehanna	PFO	13	0.02			0.01			Other	II
SU-1B-W138	8.29	New Milford	Susquehanna	PSS	274		0.08	0.26		0.07	0.20	Other	II
	8.33	New Milford	Susquehanna	PSS								Other	
	8.33	New Milford	Susquehanna	PEM								Other	
	8.35	New Milford	Susquehanna	PEM								Other	

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1F-W139	8.67	New Milford	Susquehanna	PFO	48	0.17			0.07			Other	II
	8.73	New Milford	Susquehanna	PFO	0							Other	N/A
SU-1F-W141	8.89	New Milford	Susquehanna	PEM	371			0.57			0.37	Other	II
	8.98	New Milford	Susquehanna	PEM	67							Other	II
	9.06	New Milford	Susquehanna	PEM	0			0.01			0.01		N/A
	9.17	New Milford	Susquehanna	PEM	88			0.10			0.10	Other	II & IV
SU-1D-W245	9.19	New Milford	Susquehanna	PEM	57			0.11			0.07	Other	II & IV
SU-1D-W250	9.90	New Milford	Susquehanna	PEM	0			0.01				Other	N/A
SU-1X-W253	9.95	New Milford	Susquehanna	PEM	64			0.12			0.07	Other	II
SU-1D-W254	9.99	New Milford	Susquehanna	PSS	80		0.16			0.08		Other	II
	10.03	New Milford	Susquehanna	PSS	0							Other	N/A
SU-1X-W258	10.13	New Milford	Susquehanna	PEM, PFO	80	0.19		0.01	0.09			Other	II
	10.25	New Milford	Susquehanna	PFO	0							Other	N/A
SU-1X-W259	10.49	New Milford	Susquehanna	PEM	105			0.14			0.12	Other	II
SU-1B-W039	10.73	New Milford	Susquehanna	PEM	175			0.35			0.23	Other	II
SU-1D-W261	10.82	New Milford	Susquehanna	PEM	364			0.59			0.41	Other	II

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1G-W305	10.96	New Milford	Susquehanna	PFO	0	0.01						Other	N/A
SU-1E-W040	10.98	New Milford	Susquehanna	PFO	86	0.39			0.30			Other	II
	11.01	New Milford	Susquehanna	PFO	170							Other	II
	11.03	New Milford	Susquehanna	PFO	6							Other	II
SU-1D-W262	11.22	New Milford	Susquehanna	PEM	94			0.13			0.10	Other	II
SU-1B-W041	11.25	New Milford	Susquehanna	PFO	0	0.01						Other	N/A
SU-1B-W045	11.55	New Milford	Susquehanna	PFO	90	0.23			0.12			Other	II
	11.61	New Milford	Susquehanna	PFO	0							Other	N/A
	11.64	New Milford	Susquehanna	PFO	0							Other	N/A
SU-1B-W048	11.81	New Milford	Susquehanna	PEM	90			0.16			0.10	Other	II
SU-1E-W046	11.84	New Milford	Susquehanna	PEM	191			0.26			0.21	Other	II
SU-1E-W070[h]	11.90	New Milford	Susquehanna	PEM	0			0.01			0.01	Other	N/A
SU-1G-W308	12.62	New Milford	Susquehanna	PFO	12	0.02			0.01			Other	II
SU-1G-W306	12.64	New Milford	Susquehanna	PFO	56	0.12			0.08			Other	II
SU-1L-W307	12.72	New Milford	Susquehanna	PFO	28	0.03			0.02			Other	II

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1K-W278	12.79	New Milford	Susquehanna	PFO	94	0.19			0.14			Other	II
	12.80	New Milford	Susquehanna	PFO	10							Other	II
SU-1D-W326	13.50	Jackson	Susquehanna	PFO	127	0.21			0.14			Other	II
SU-1D-W327	13.73	Jackson	Susquehanna	PFO	0	0.03			0.01			Other	N/A
SU-1G-W054	14.18	Jackson	Susquehanna	PEM	30			0.30			0.17	Other	II
	14.20	Jackson	Susquehanna	PEM	106							Other	II
SU-1G-W055	14.31	Jackson	Susquehanna	PFO	34	0.06			0.04			Other	II
SU-1B-W134	14.35	Jackson	Susquehanna	PEM	56			0.09			0.06	Other	II & IV
	14.38	Jackson	Susquehanna	PEM	0							Other	N/A
SU-1K-W268	14.60	Jackson	Susquehanna	PEM	0			0.02			0.02	Other	N/A
SU-1C-W269	14.65	Jackson	Susquehanna	PEM	286			0.50			0.32	Other	II & IV
SU-1G-W058	15.14	Jackson	Susquehanna	PSS, PEM	0		0.01	0.03			0.01	Other	N/A
SU-1G-W059A	15.18	Jackson	Susquehanna	PFO	144	0.20			0.15			Other	II
SU-1K-W061	15.42	Jackson	Susquehanna	PEM	0			0.02			0.02	Other	N/A
	15.45	Jackson	Susquehanna	PEM	0							Other	N/A
	15.47	Jackson	Susquehanna	PEM	0							Other	N/A
SU-1K-W062	15.45	Jackson	Susquehanna	PEM	0			0.07			0.03	Other	N/A
SU-1K-W064	15.59	Jackson	Susquehanna	PEM, PSS	34		0.05	0.02		0.03	0.01	Other	II
SU-1G-W068[h]	15.77	Jackson	Susquehanna	PFO	0	0.01						Other	N/A
SU-1K-W273	16.12	Oakland	Susquehanna	PFO	0	0.02			0.02			Other	N/A
SU-1H-W161	16.33	Oakland	Susquehanna	PFO	111	0.17			0.13			Other	II
SU-1H-W164	16.63	Oakland	Susquehanna	PFO, PEM	223	0.27		0.07	0.22		0.02	Other	II
SU-1S-W326	18.75	Harmony	Susquehanna	PSS	25		0.13			0.09		Other	II
	18.76	Harmony	Susquehanna	PSS	51							Other	II
SU-1L-W310	18.82	Harmony	Susquehanna	PSS	73		0.12			0.08		Other	II

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1X-W300	19.85	Harmony	Susquehanna	PSS	144		0.20			0.16		Other	II
SU-1X-W301	19.93	Harmony	Susquehanna	PFO	139	0.20			0.05			Other	II
SU-1S-W303[h]	20.69	Harmony	Susquehanna	PEM	36			0.05			0.03	Other	II
SU-1S-W306[h]	20.73	Harmony	Susquehanna	PEM	18			0.02			0.02	Other	II
SU-1S-W305	20.74	Harmony	Susquehanna	PFO	0	0.01			0.01			Other	N/A
SU-1A-W348	20.94	Harmony	Susquehanna	PFO	0	0.01			0.01			Other	N/A
SU-1C-W347	21.44	Harmony	Susquehanna	PSS	0		0.01					Other	N/A
SU-1C-W293	21.51	Harmony	Susquehanna	PFO	25	0.05			0.03			Other	II
SU-1C-W289A	21.77	Harmony	Susquehanna	PFO	0	0.02			0.01			Other	N/A
SU-1X-W291	22.41	Harmony	Susquehanna	PFO	112	0.15			0.13			Other	II
SU-1C-W292	22.49	Harmony	Susquehanna	PFO	39	0.09			0.07			EV	II
SU-1X-W299	22.54	Harmony	Susquehanna	PFO	0	0.17			0.11			EV	N/A
	22.55	Harmony	Susquehanna	PFO	97							EV	II
	22.57	Harmony	Susquehanna	PFO	9							EV	II
SU-1C-W368	22.58	Harmony	Susquehanna	PFO	34	0.03			0.03			EV	II
SU-1X-W298	22.73	Harmony	Susquehanna	PEM	91			0.20			0.12	Other	II
SU-1C-W365	23.27	Harmony	Susquehanna	PEM	38			0.03			0.03	Other	II
SU-1C-W294	23.31	Harmony	Susquehanna	PEM	0			0.06			0.04	Other	N/A
	23.31	Harmony	Susquehanna	PEM	22							Other	II
SU-1J-W117	24.26	Harmony	Susquehanna	PFO	15	0.03			0.02			Other	II
SU-1P-W287[h]	24.27	Harmony	Susquehanna	PFO	0	0.01						Other	N/A
SU-1B-W119	24.34	Harmony	Susquehanna	PFO	0	0.01			0.01			Other	N/A
SU-1B-W120	24.39	Harmony	Susquehanna	PFO	148	0.23			0.17			Other	II
SU-1B-W121	24.41	Harmony	Susquehanna	PFO	2	0.01			0.01			Other	II
SU-1C-W171	24.82	Harmony	Susquehanna	PFO, PSS	414	0.46	0.25		0.34	0.13		Other	II

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
SU-1C-W170	25.08	Harmony	Susquehanna	PFO, PEM	448	0.32		0.43	0.20		0.32	Other	II
	25.21	Harmony	Susquehanna	PSS	48		0.09			0.06		Other	II
				Permanent ROW Total					**2.87**	**1.13**	**5.49**		
			Construction Temporary ROW Total			**4.35**	**1.84**	**8.16**					
WETLANDS ASSOCIATED WITH PROPOSED PIPEYARDS													
N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A	N/A
			Permanent Pipeyard Facilities Total										
			Temporary Pipeyard Facilities Total										
WETLANDS ASSOCIATED WITH ABOVEGROUND FACILITIES													
N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	N/A	N/A
			Permanent Aboveground Facilities Total										
			Temporary Aboveground Facilities Total										
WETLANDS ASSOCIATED WITH ACCESS ROADS													
SU-1D-W257	TAR8	New Milford	Susquehanna	PSS	35		0.02					Other	Temporary Equipment Mats
	TAR8	New Milford	Susquehanna	PSS	0		0.01					Other	Temporary Equipment Mats
SU-1D-W257	TAR8	New Milford	Susquehanna	PFO	0	0.01						Other	Temporary Equipment Mats
SU-1X-W256	TAR8	New Milford	Susquehanna	PSS	211		0.09					Other	Temporary Equipment Mats
SU-1D-W328A	PAR10	New Milford	Susquehanna	PEM	0			0.01			0.01	Other	Permanent Fill
SU-1C-W170	TAR1	Harmony	Susquehanna	PEM, PFO	142	0.01		0.05				Other	Temporary Equipment Mats

APPENDIX L-1
Wetlands Associated with the Constitution Pipeline – Pennsylvania

Wetland ID[a]	Milepost	Township	County	Wetland Class[b]	Crossing Length (ft)[b]	Wetland Impact (acres)[c]						State Wetland Classification[d]	Crossing Method[e]
						Construction			Operations[c]				
						PFO	PSS	PEM	PFO	PSS	PEM		
			Permanent Access Road Total								**0.01**		
			Temporary Access Road Total										
Project Totals						**4.4**	**2.0**	**8.2**	**2.9**	**1.1**	**5.5**		

N/A: Not Applicable

[a] Crossings and impacts for wetland features with "X" in identification name taken from NWI GIS datalayer. The Turnpike Road M&R Station site, including the pig launcher area, was surveyed in 2013; no wetlands were identified. Wetlands associated with MLVs are included in the corresponding pipeline segment.

[b] Wetland classification according to Cowardin et al. 1979: PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

[c] Construction Acreage = all workspace during construction activities (temporary plus permanent); Operation Acreage = 10-foot-wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot-wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there would be no operational impact on PEM wetlands (0 acre), since there would be no change in the pre- and post-construction vegetation cover type (operation impacts reported to PEM represent only periodic mowing/maintenance). Note, operational impacts to PEM reported in this table were as reported to the COE-PA and PADEP for permitting purposes, but may not match PEM data reported for operation impacts in section 4.4 of the EIS). Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact on each pre-construction wetland vegetation cover type for each wetland included in the table. The typical right-of-way width at wetland crossings is 75 feet.

[d] Pennsylvania classifies wetlands as exceptional value or other per 25 Pa. Code Ch. 105.

[e] Crossing Methods for wetlands are described in section 4.4; I = Standard Crossing; II = Conventional Crossing; III = Push/Pull Crossing; IV = Conventional Bore; V = Trenchless Crossing; N/A = Wetland not crossed by pipeline. Temporary equipment mats may be used to facilitate access across wetlands.

APPENDIX L-2

Wetlands Associated with the Constitution Pipeline Project - New York

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
WETLANDS ASSOCIATED WITH PIPELINE														
BR-1C-W260	26.54	Sanford	Broome	PFO	32	0.05			0.03			N/A	No	II
BR-1C-W217	26.6	Sanford	Broome	PFO	138	0.14			0.08			N/A	No	II
	26.6	Sanford	Broome	PFO	189	0.24			0.13			N/A	No	II
BR-1S-W216	26.64	Sanford	Broome	PSS	21		0.07			0.01		N/A	No	II
BR-1H-W151	26.81	Sanford	Broome	PEM	29			0.07				N/A	No	II
BR-1C-W263	27.29	Sanford	Broome	PEM PSS	251		0.33	0.06		0.04		N/A	No	II
BR-1L-W253	28.24	Sanford	Broome	PEM	22			0.03				N/A	No	II
BR-1H-W211	28.36	Sanford	Broome	PSS	40		0.08			0.01		N/A	No	II
BR-1J-W210	28.61	Sanford	Broome	PEM PSS	261		0.01	0.36				N/A	No	II
	28.61	Sanford	Broome	PSS	43		0.11			0.01		N/A	No	II
BR-1B-W048	28.83	Sanford	Broome	PEM	15			0.02				N/A	No	IV
BR-1H-W206	29.33	Sanford	Broome	PEM	0			0.01				N/A	No	N/A
BR-1I-W052	29.81	Sanford	Broome	PEM	80			0.16				N/A	No	II
BR-1C-W268	30.4	Sanford	Broome	PFO	0	0.02						N/A	No	N/A
BR-1I-W055	30.47	Sanford	Broome	PEM	0			0.01				N/A	No	N/A

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
BR-1I-W056	30.51	Sanford	Broome	PEM	4			0.07				N/A	No	II
BR-1I-W054B	30.55	Sanford	Broome	PEM	67			0.09				N/A	No	II
BR-1I-W054C	30.55	Sanford	Broome	PEM	30			0.06				N/A	No	II
BR-1B-W057	30.61	Sanford	Broome	PEM	589			0.85				N/A	No	II
BR-1K-W172	32.42	Sanford	Broome	PFO	153	0.26			0.10			N/A	No	II
BR-1I-W059	33.28	Sanford	Broome	PFO PSS PEM	1,957	0.04	2.50	1.04	0.01	0.41		N/A	No	II
BR-1I-W228	34.38	Sanford	Broome	PEM	6			0.01				N/A	No	II
BR-1I-W226	34.5	Sanford	Broome	PSS	40		0.06			0.01		N/A	No	II
BR-1B-W214	34.58	Sanford	Broome	PEM	19			0.05				N/A	No	II
BR-1G-W229	34.66	Sanford	Broome	PFO	0	0.01			0.01			N/A	No	N/A
BR-1I-W230	34.76	Sanford	Broome	PEM	0			0.01				N/A	No	N/A
BR-1H-W156	34.83	Sanford	Broome	PEM PSS	372		0.22	0.37		0.03		N/A	No	II
	34.83	Sanford	Broome	PSS	413		0.55			0.09		N/A	No	II
BR-1K-W161	35.23	Sanford	Broome	PSS	13		0.02			0.01		N/A	No	II
BR-1K-W162	35.29	Sanford	Broome	PEM	12			0.02				N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
BR-1U-W165	35.29	Sanford	Broome	PEM	15			0.03				N/A	No	II
BR-1U-W168	35.61	Sanford	Broome	PEM PSS	58		0.05	0.05		0.01		N/A	No	II
BR-1I-W062	35.87	Sanford	Broome	PSS PEM	256		0.33	0.12		0.04		N/A	No	II
BR-1B-W064	35.97	Sanford	Broome	PEM	133			0.23				N/A	No	II
	35.97	Sanford	Broome	PSS	0		0.01					N/A	No	N/A
	35.97	Sanford	Broome	PSS	24		0.07			0.01		N/A	No	II
BR-1B-W066	36.28	Sanford	Broome	PSS PFO	243	0.23	0.18		0.07	0.03		N/A	No	II
BR-1H-W174	36.62	Sanford	Broome	PFO PSS	0	0.01	0.01		0.01			NS-1, Class II	Yes	N/A
BR-1I-W070	37.84	Sanford	Broome	PSS	246		0.39			0.06		N/A	No	II
BR-1B-W074	38.05	Sanford	Broome	PEM	15			0.03				N/A	No	II
BR-1I-W073	38.09	Sanford	Broome	PFO PSS	263	0.20	0.20		0.08	0.03		N/A	No	II
BR-1C-W075	38.19	Sanford	Broome	PFO PSS	112	0.21	0.01		0.08			N/A	No	II
BR-1B-W076	38.37	Sanford	Broome	PEM	0			0.01				N/A	No	N/A
BR-1B-W077	38.37	Sanford	Broome	PFO	18	0.03			0.01			N/A	No	II
BR-1B-W078	38.37	Sanford	Broome	PEM	27			0.04				N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
BR-1B-W079	38.48	Sanford	Broome	PEM PFO	698	0.11		1.18	0.02			N/A	No	II
BR-1H-W240	38.68	Sanford	Broome	PFO	286	0.51			0.19			N/A	No	II
BR-1H-W243	38.83	Sanford	Broome	PFO PSS	78	0.05	0.06		0.01	0.01		N/A	No	II
BR-1Q-W242	38.83	Sanford	Broome	PSS	24		0.14			0.01		N/A	No	II
BR-1Q-W241	38.98	Sanford	Broome	PFO	0	0.01						N/A	No	N/A
BR-1C-W180	39.04	Sanford	Broome	PFO PEM	338	0.48		0.11	0.21			N/A	No	II
BR-1C-W182	39.23	Sanford	Broome	PEM	50			0.08				N/A	No	II
BR-1C-W251	39.71	Sanford	Broome	PFO	1	0.02			0.01			N/A	No	II
BR-1T-W160C	40.45	Sanford	Broome	PEM	104			0.12				N/A	No	II
BR-1C-W081	40.62	Sanford	Broome	PFO PSS PEM	71	0.16	0.01	0.04	0.05			N/A	No	II
BR-1B-W083	40.86	Sanford	Broome	PEM	187			0.39				N/A	No	II, IV
BR-1I-W233	41.05	Sanford	Broome	PFO PEM	367	0.01		0.62	0.01			N/A	No	II
	41.05	Sanford	Broome	PFO	261	0.42			0.18			N/A	No	II
BR-1G-W234	41.3	Sanford	Broome	PFO	0	0.01						N/A	No	N/A

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
BR-1I-W236	41.36	Sanford	Broome	PFO	15	0.04			0.02			N/A	No	II
BR-1C-W184	41.46	Sanford	Broome	PFO PSS	103	0.07	0.08		0.04	0.01		N/A	No	II
BR-1X-W179	41.52	Sanford	Broome	PEM	15			0.03				N/A	No	II
BR-1X-W192	41.66	Sanford	Broome	PFO PSS	244	0.22	0.32		0.03	0.05		N/A	No	II
	41.68	Sanford	Broome	PFO PSS	463	0.44	0.25		0.22	0.03		N/A	No	II
	41.68	Sanford	Broome	PFO	191	0.25			0.12			N/A	No	II
BR-1X-W215	41.97	Sanford	Broome	PFO PEM	65	0.01		0.11				N/A	No	II
BR-1L-W250	42.22	Sanford	Broome	PEM	115			0.20				N/A	No	II
CH-1A-W064	42.33	Afton	Chenango	PFO	0	0.01						N/A	No	N/A
CH-1H-W021	42.47	Afton	Chenango	PSS	68		0.12			0.02		N/A	No	II
CH-1G-W062	42.61	Afton	Chenango	PSS	83		0.17			0.02		N/A	No	II
CH-1H-W022	42.7	Afton	Chenango	PSS PEM	218		0.02	0.30		0.01		N/A	No	II
CH-1G-W050	42.74	Afton	Chenango	PEM	165			0.20				N/A	No	II
CH-1H-W023	42.82	Afton	Chenango	PFO	47	0.07			0.03			N/A	No	II
CH-1C-W075	43.54	Afton	Chenango	PEM	457			0.77				N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
CH-1J-W045B	43.71	Afton	Chenango	PFO PSS	559	0.87	0.17		0.34	0.02		N/A	No	II
CH-1J-W045C	43.86	Afton	Chenango	PFO	253	0.50			0.17			N/A	No	II
CH-1C-W014	44.74	Afton	Chenango	PFO	0	0.01			0.01			N/A	No	N/A
CH-1A-W056	45.16	Afton	Chenango	PFO PSS	393	0.10	0.57		0.03	0.08		N/A	No	II
CH-1C-W073	45.35	Afton	Chenango	PFO	0	0.01						N/A	No	N/A
CH-1X-W072	45.8	Afton	Chenango	PFO	0	0.03						N/A	No	N/A
CH-1X-W071	46.03	Afton	Chenango	PEM	97			0.20				N/A	No	II
CH-1X-W069	46.36	Afton	Chenango	PEM	0			0.04				N/A	No	N/A
CH-1X-W067	46.36	Afton	Chenango	PSS	21		0.03			0.01		N/A	No	II
CH-1X-W066	46.45	Afton	Chenango	PEM	84			0.13				N/A	No	II
CH-1Q-W038	46.68	Afton	Chenango	PFO	56	0.05			0.03			N/A	No	II
CH-1Q-W040	46.77	Afton	Chenango	PFO	55	0.09			0.04			N/A	No	II
CH-1C-W043	46.87	Afton	Chenango	PFO	0	0.04						N/A	No	N/A
CH-1C-W017	47.39	Afton	Chenango	PEM	0			0.06				N/A	No	N/A
CH-1C-W018	47.49	Afton	Chenango	PEM	343			0.46				N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
CH-1H-W025	48.1	Bainbridge	Chenango	PEM	9			0.01				N/A	No	IV
CH-1B-W026	48.32	Bainbridge	Chenango	PEM PFO PSS	421	0.64	0.03	0.01	0.28	0.01		N/A	No	II
CH-1B-W028	48.44	Bainbridge	Chenango	PFO	91	0.24			0.07			N/A	No	II
CH-1B-W027	48.77	Bainbridge	Chenango	PFO	54	0.12			0.04			N/A	No	II
CH-1X-W034	49.27	Bainbridge	Chenango	PFO	81	0.12			0.04			N/A	No	II
	49.27	Bainbridge	Chenango	PFO	15	0.02			0.02			N/A	No	II
CH-1C-W051	49.73	Bainbridge	Chenango	PFO	317	0.49			0.20			N/A	No	II
CH-1S-W052	49.93	Bainbridge	Chenango	PFO	1,169	2.00			0.80			N/A	No	II
CH-1A-W047	50.21	Bainbridge	Chenango	PEM	148			0.44				N/A	No	II
CH-1A-W048	50.21	Bainbridge	Chenango	PEM	0			0.01				N/A	No	N/A
CH-1A-W049	50.31	Bainbridge	Chenango	PFO	71	0.10			0.05			N/A	No	II
CH-1A-W050	50.56	Bainbridge	Chenango	PFO	289	0.50			0.20			N/A	No	II
DE-1B-W025	50.63	Masonville	Delaware	PFO	111	0.19			0.08			N/A	No	II
DE-1H-W026	50.95	Masonville	Delaware	PEM	0			0.02				N/A	No	N/A
DE-1B-W027	51.02	Masonville	Delaware	PFO	101	0.25			0.08			N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1H-W028	51.1	Masonville	Delaware	PEM PFO	48	0.02		0.02	0.01			N/A	No	II
	51.1	Masonville	Delaware	PFO	46	0.10			0.04			N/A	No	II
DE-1H-W030	51.2	Masonville	Delaware	PFO	223	0.34			0.16			N/A	No	II
DE-1B-W032	51.66	Masonville	Delaware	PFO	0	0.11						N/A	No	N/A
DE-1B-W033	51.66	Masonville	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1H-W034	51.66	Masonville	Delaware	PFO	0	0.02			0.01			N/A	No	N/A
DE-1K-W227	52.27	Masonville	Delaware	PSS	218		0.45			0.05		N/A	No	II
DE-1H-W035	52.36	Sidney	Delaware	PEM	39			0.04				N/A	No	II
DE-1B-W037	52.44	Sidney	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1B-W046	53.99	Sidney	Delaware	PFO PEM	60	0.11		0.01	0.04			N/A	No	II
DE-1X-W158	54.43	Sidney	Delaware	PFO PEM	2,003							N/A	No	V
DE-1F-W075	55.17	Sidney	Delaware	PFO	192							N/A	No	V
DE-1K-W228	55.35	Sidney	Delaware	PFO	16	0.02			0.01			N/A	No	II
DE-1C-W229	55.67	Sidney	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1M-W079	55.87	Sidney	Delaware	PEM	88			0.18				N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1M-W080	55.95	Sidney	Delaware	PEM	181			0.24				N/A	No	II
DE-1D-W215	56.36	Sidney	Delaware	PEM	36			0.04				N/A	No	II
DE-1Y-W085	57.05	Sidney	Delaware	PFO PEM	351	0.13		0.37	0.06			N/A	No	II
DE-1M-W088	57.21	Sidney	Delaware	PEM	8			0.07				N/A	No	II
DE-1C-W211	57.91	Sidney	Delaware	PFO PSS	513	0.46	0.43		0.18	0.06		N/A	No	II
	57.91	Sidney	Delaware	PFO PSS	517	0.08	0.76		0.06	0.10		N/A	No	II
	57.91	Sidney	Delaware	PSS	273		0.43			0.06		N/A	No	II
DE-1C-W223	58.34	Sidney	Delaware	PEM PSS	395		0.21	0.40		0.03		N/A	No	II
DE-1K-W232	58.45	Sidney	Delaware	PFO	0	0.07			0.01			N/A	No	N/A
DE-1K-W233	58.55	Sidney	Delaware	PFO PSS	659	0.99	0.28		0.36	0.04		N/A	No	II
DE-1C-W234	58.86	Sidney	Delaware	PFO	86	0.19			0.06			N/A	No	II
DE-1M-W094	59.55	Sidney	Delaware	PSS	218		0.33			0.05		N/A	No	II
DE-1M-W095	59.64	Sidney	Delaware	PSS	0		0.01					N/A	No	N/A
DE-1M-W096	59.64	Sidney	Delaware	PSS	0		0.01					N/A	No	N/A
DE-1N-W101	59.81	Sidney	Delaware	PEM	141			0.41				N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1C-W205	60.37	Sidney	Delaware	PSS	120		0.19			0.03		N/A	No	II
DE-1W-W132	60.55	Sidney	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1P-W133	60.66	Sidney	Delaware	PEM	62			0.10				N/A	No	II
DE-1P-W134	60.81	Sidney	Delaware	PEM	39			0.07				N/A	No	II
DE-1Q-W105	61.08	Sidney	Delaware	PEM	139			0.22				N/A	No	II
DE-1Q-W110	61.38	Sidney	Delaware	PFO PSS	343	0.01	0.54			0.08		N/A	No	II
DE-1A-W478	61.66	Sidney	Delaware	PEM	16			0.09				N/A	No	II
DE-1A-W475	62.42	Sidney	Delaware	PFO	10	0.05			0.01			N/A	No	II
DE-1A-W476	62.42	Sidney	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1A-W473	62.52	Sidney	Delaware	PFO	160	0.26			0.11			N/A	No	II
DE-1S-W255	63.1	Sidney	Delaware	PEM	346			0.55				N/A	No	II
DE-1X-W285	63.75	Sidney	Delaware	PFO	150	0.29			0.11			N/A	No	II
DE-1D-W284	63.98	Sidney	Delaware	PFO	3	0.03			0.01			N/A	No	II
DE-1D-W283	64.09	Sidney	Delaware	PFO	202	0.25			0.12			N/A	No	II
DE-1A-W281A	65.02	Franklin	Delaware	PSS	0		0.01					N/A	No	N/A

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1S-W021	65.23	Franklin	Delaware	PEM	67			0.12				N/A	No	II
DE-1M-W175	66.26	Franklin	Delaware	PEM PFO	576	0.61		0.33	0.26			N/A	No	II
DE-1C-W364	66.74	Franklin	Delaware	PEM	203			0.36				N/A	No	II
DE-1C-W363	66.83	Franklin	Delaware	PEM PSS	406		0.28	0.39		0.04		N/A	No	II
	66.83	Franklin	Delaware	PEM PSS	380		0.61			0.09		N/A	No	II
DE-1X-W282	67.72	Franklin	Delaware	PFO	181	0.36			0.12			N/A	No	II
DE-1A-W374	68.26	Franklin	Delaware	PFO	52	0.06			0.03			N/A	No	II
DE-1A-W373	68.26	Franklin	Delaware	PFO	77	0.10			0.04			N/A	No	II
DE-1C-W332	69.41	Franklin	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1C-W329	70.77	Franklin	Delaware	PEM PFO	259	0.42		0.14	0.17			N/A	No	II
DE-1P-W067	70.86	Franklin	Delaware	PEM	51			0.08				N/A	No	II
DE-1W-W069	70.86	Franklin	Delaware	PSS	12		0.02			0.01		N/A	No	II
DE-1W-W065	70.86	Franklin	Delaware	PSS	48		0.09			0.01		N/A	No	II
DE-1P-W071	71.34	Franklin	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1W-W073	71.74	Franklin	Delaware	PEM PFO	697	1.11		0.04	0.46			N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1B-W270	72.9	Franklin	Delaware	PFO	N/A							ON-3, Class II	Yes	N/A
DE-1P-W074	73.32	Franklin	Delaware	PSS	221		0.32			0.05		ON-4, Class II	Yes	II
DE-1W-W075	73.32	Franklin	Delaware	PEM	54			0.05				N/A	No	II
DE-1W-W125	73.45	Franklin	Delaware	PFO	397	0.76			0.27			ON-4, Class II	Yes	II
DE-1W-W126	74.26	Davenport	Delaware	PFO	104	0.15			0.07			N/A	No	II
DE-1W-W127	75.1	Davenport	Delaware	PEM	N/A							ON-5, Class II	Yes	N/A
DE-1C-W331	75.29	Davenport	Delaware	PEM	25			0.03				N/A	No	II
DE-1C-W371	75.84	Davenport	Delaware	PSS	0		0.01					N/A	Article 15 Reg'd	N/A
DE-1C-W376	76.72	Davenport	Delaware	PFO	196	0.21			0.13			N/A	No	II
DE-1M-W154	76.81	Davenport	Delaware	PFO	164	0.32			0.1			N/A	No	II
DE-1B-W327	78.04	Davenport	Delaware	PFO PEM	115	0.16		0.01	0.07			N/A	No	II
DE-1A-W248A	78.27	Davenport	Delaware	PEM	20			0.03				N/A	No	II
DE-1L-W250	78.47	Davenport	Delaware	PSS	224		0.43			0.05		N/A	No	II
	78.47	Davenport	Delaware	PSS	511		0.84			0.12		N/A	No	II
DE-1L-W252	78.72	Davenport	Delaware	PSS	0		0.01					N/A	No	N/A
DE-1L-W303	79.01	Davenport	Delaware	PFO	110	0.18			0.07			N/A	No	II

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Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1L-W304	79.01	Davenport	Delaware	PFO	38	0.03			0.02			N/A	No	II
DE-1L-W305	79.01	Davenport	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1L-W306	79.01	Davenport	Delaware	PFO	0	0.01			0.01			N/A	No	N/A
DE-1M-W148	79.77	Davenport	Delaware	PFO	104	0.13			0.08			N/A	No	II
DE-1P-W149	79.78	Davenport	Delaware	PFO	0	0.05			0.01			N/A	No	N/A
DE-1M-W150	79.93	Davenport	Delaware	PFO	36	0.04			0.02			N/A	No	II
DE-1M-W151	80.2	Davenport	Delaware	PFO	154	0.28			0.1			N/A	No	II
	80.2	Davenport	Delaware	PFO	179	0.36			0.13			N/A	No	II
DE-1Q-W180	80.5	Davenport	Delaware	PFO	286	0.49			0.2			N/A	No	II
DE-1Q-W181	80.76	Davenport	Delaware	PFO	189	0.29			0.13			N/A	No	II
DE-1A-W472	80.89	Davenport	Delaware	PFO	86	0.11			0.06			N/A	No	II
DE-1C-W354	81.51	Davenport	Delaware	PFO	0	0.01						N/A	No	N/A
DE-1C-W345	81.59	Davenport	Delaware	PSS	19		0.04			0.01		N/A	No	II
DE-1C-W350	81.66	Davenport	Delaware	PEM	0			0.02				N/A	No	N/A
DE-1C-W351	81.66	Davenport	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1C-W353	81.66	Davenport	Delaware	PEM	0			0.01				N/A	No	N/A

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DE-1I-W245	81.99	Davenport	Delaware	PFO	139	0.24			0.09			N/A	No	II
DE-1B-W336	83.15	Davenport	Delaware	PFO	37	0.06			0.02			N/A	No	II
DE-1B-W337	83.32	Davenport	Delaware	PFO	222	0.37			0.15			N/A	No	II
DE-1C-W346	83.61	Davenport	Delaware	PEM	2			0.01				N/A	No	II
DE-1N-W006	83.88	Davenport	Delaware	PFO	134	0.18			0.09			N/A	No	II
DE-1N-W005	83.96	Davenport	Delaware	PFO	N/A							D-10, Class II	Yes	N/A
DE-1G-W008	85.17	Davenport	Delaware	PFO	0	0.04						N/A	No	N/A
DE-1N-W156A	85.81	Davenport	Delaware	PFO	163	0.11			0.11			D-11, Class II	Yes	VI
DE-1L-W301	86.06	Davenport	Delaware	PFO	13	0.06			0.01			N/A	No	II
DE-1L-W300	86.09	Davenport	Delaware	PFO	378	0.71			0.26			N/A	No	II
DE-1C-W215	87.04	Davenport	Delaware	PFO	0	0.03			0.01			D-13, Class II	Yes	N/A
DE-1C-W217	87.04	Davenport	Delaware	PFO	22	0.04			0.01			D-13, Class II	Yes	II
DE-1Q-W216	87.04	Davenport	Delaware	PFO	0	0.01			0.01			N/A	No	N/A
DE-1T-W051	87.69	Davenport	Delaware	PEM	0			0.02				N/A	No	N/A
DE-1C-W050A	87.74	Davenport	Delaware	PSS	34		0.03			0.01		N/A	No	II

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Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1P-W052	87.85	Davenport	Delaware	PSS	288		0.41			0.07		N/A	No	VI, II
DE-1T-W055	88.07	Davenport	Delaware	PSS	27		0.03			0.01		N/A	No	II
DE-1T-W060	89.84	Harpersfield	Delaware	PSS	1,033		1.74			0.24		N/A	No	II
DE-1P-W128	90.21	Harpersfield	Delaware	PEM	903			1.54				D-8, Class II	Yes	II
	90.21	Harpersfield	Delaware	PFO	145	0.35			0.11			D-8, Class II	Yes	II
DE-1P-W129	91	Harpersfield	Delaware	PFO	N/A							D-8, Class II	Yes	N/A
DE-1Q-W212	90.21	Harpersfield	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1G-W017	92.1	Harpersfield	Delaware	PFO	53	0.11			0.04			N/A	No	II
DE-1C-W344	92.27	Harpersfield	Delaware	PFO	263	0.42			0.18			N/A	No	II
DE-1N-W012	92.35	Harpersfield	Delaware	PFO	199	0.36			0.14			N/A	No	II
DE-1P-W258A	92.87	Harpersfield	Delaware	PEM	0			0.01				N/A	No	N/A
DE-1G-W143	93.32	Harpersfield	Delaware	PSS PFO	216	0.10	0.26		0.05	0.04		N/A	No	II
DE-1Q-W142	93.47	Harpersfield	Delaware	PFO	86	0.19			0.06			N/A	No	II
SC-1F-W003	94.59	Summit	Schoharie	PSS	16		0.01			0.01		N/A	No	II
SC-1N-W001	94.65	Summit	Schoharie	PSS	321		0.53			0.07		N/A	No	II
SC-1Y-W436	94.95	Summit	Schoharie	PEM	0			0.01				N/A	No	N/A

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1Y-W437	94.95	Summit	Schoharie	PEM	88			0.12				N/A	No	II
SC-1H-W257	95.18	Summit	Schoharie	PEM PFO PSS	260	0.24	0.01	0.26	0.04			N/A	No	II
	95.18	Summit	Schoharie	PFO	61	0.16			0.05			N/A	No	II
SC-1Q-W377	95.37	Summit	Schoharie	PEM	25			0.05				N/A	No	II
SC-1X-W256	95.61	Summit	Schoharie	PFO PSS	480	0.01	0.86			0.11		N/A	No	II
	95.61	Summit	Schoharie	PSS	371		0.76			0.09		N/A	No	II
SC-1Q-W374	96.04	Jefferson	Schoharie	PSS	53		0.08			0.01		N/A	No	II
SC-1C-W373	96.37	Jefferson	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1H-W253	96.93	Summit	Schoharie	PEM	0			0.02				N/A	No	N/A
	96.93	Jefferson	Schoharie	PFO	210	0.36			0.14			N/A	No	II
SC-1C-W411	97.34	Jefferson	Schoharie	PEM	155			0.26				N/A	No	II
SC-1G-W443	97.34	Jefferson	Schoharie	PEM	209			0.34				N/A	No	II
SC-1K-W417	97.61	Jefferson	Schoharie	PEM	91			0.17				N/A	No	II
SC-1A-W460	97.77	Jefferson	Schoharie	PFO	189	0.32			0.13			N/A	No	II
SC-1L-W427	98.61	Jefferson	Schoharie	PFO	25	0.03			0.02			N/A	No	II
SC-1C-W459	99.47	Summit	Schoharie	PFO	132	0.23			0.09			SU-17, Class II	Yes	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1P-W133	100.96	Summit	Schoharie	PSS	359		0.63			0.08		N/A	No	II
SC-1P-W135	101.06	Summit	Schoharie	PEM	217			0.39				N/A	No	II
SC-1A-W422	101.47	Summit	Schoharie	PEM	0			0.11				N/A	No	N/A
SC-1A-W421	101.58	Summit	Schoharie	PEM PSS	32		0.01	0.05				N/A	No	II
SC-1E-W101	101.62	Summit	Schoharie	PEM PFO	139	0.08		0.11	0.05			N/A	No	II
SC-1E-W100	101.69	Summit	Schoharie	PFO	260	0.50			0.17			N/A	No	II, IV
SC-1E-W103	101.69	Summit	Schoharie	PFO	8	0.01			0.01			N/A	No	II
SC-1E-W105	102.09	Summit	Schoharie	PFO	340	0.58			0.23			N/A	No	II
SC-1R-W111	102.57	Summit	Schoharie	PEM PFO	43	0.04		0.02	0.01			N/A	No	II, IV
SC-1E-W112	102.99	Summit	Schoharie	PFO	315	0.58			0.22			N/A	No	II
SC-1M-W233	103.48	Summit	Schoharie	PFO PSS	305	0.37	0.15		0.16	0.02		N/A	No	II
SC-1A-W464	103.61	Summit	Schoharie	PSS	88		0.09			0.02		N/A	No	II
SC-1M-W181	104.14	Summit	Schoharie	PFO PEM	329	0.11		0.38	0.04			N/A	No	II
SC-1M-W184	104.34	Summit	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1M-W188	104.4	Summit	Schoharie	PEM	0			0.01				N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1I-W434	104.42	Summit	Schoharie	PEM	38			0.03				N/A	No	II
SC-1P-W056	104.55	Summit	Schoharie	PEM PFO	70	0.01		0.14				N/A	No	II
SC-1N-W055	104.64	Summit	Schoharie	PSS PEM	425		0.50	0.09		0.07		N/A	No	II
SC-1B-W458	105.25	Richmondville	Schoharie	PFO	0	0.02			0.01			N/A	No	N/A
SC-1G-W340	105.6	Richmondville	Schoharie	PEM	243			0.36				N/A	No	II
SC-1G-W339	105.72	Richmondville	Schoharie	PEM	22			0.03				N/A	No	II
SC-1L-W304	105.73	Richmondville	Schoharie	PEM	0			0.02				N/A	No	N/A
SC-1L-W303	105.77	Richmondville	Schoharie	PEM	50			0.08				N/A	No	II
SC-1L-W300	105.84	Richmondville	Schoharie	PEM PFO	858	0.12		1.49	0.07			N/A	No	II
SC-1J-W385	106.36	Richmondville	Schoharie	PEM	0			0.03				N/A	No	N/A
SC-1L-W352	106.57	Richmondville	Schoharie	PEM	36			0.04				N/A	No	II
SC-1Q-W354	106.7	Richmondville	Schoharie	PFO	44	0.06			0.04			N/A	No	II
SC-1L-W356	106.99	Richmondville	Schoharie	PSS PEM	583		0.34	0.69		0.04		N/A	No	II
SC-1D-W295	107.17	Richmondville	Schoharie	PSS	173		0.28			0.04		N/A	No	II
SC-1D-W296	107.46	Richmondville	Schoharie	PFO PSS	150	0.17	0.11		0.06	0.02		N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1I-W397	107.66	Richmondville	Schoharie	PFO	0	0.01						N/A	No	N/A
SC-1J-W396	107.86	Richmondville	Schoharie	PFO	0	0.01						N/A	No	N/A
SC-1I-W395	107.99	Richmondville	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1I-W387	108.12	Richmondville	Schoharie	PSS	40		0.05			0.01		N/A	No	II
SC-1Q-W359	108.49	Richmondville	Schoharie	PFO	68	0.07			0.04			N/A	No	II
SC-1C-W360	108.58	Richmondville	Schoharie	PEM	191			0.25				N/A	No	II
SC-1C-W361	108.81	Richmondville	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1C-W366	109.14	Richmondville	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1C-W370	109.18	Richmondville	Schoharie	PEM	145			0.21				N/A	No	II
SC-1Q-W363	109.47	Richmondville	Schoharie	PEM PFO	248	0.39		0.05	0.15			N/A	No	II
SC-1Q-W365	109.71	Richmondville	Schoharie	PFO PEM	278	0.42		0.02	0.19			N/A	No	II
SC-1Q-W367	109.91	Cobleskill	Schoharie	PFO PEM	240	0.11		0.27				N/A	No	II
SC-1L-W307	110.13	Cobleskill	Schoharie	PSS	373		0.65			0.09		N/A	No	II
SC-1L-W308	110.28	Cobleskill	Schoharie	PSS	212		0.32			0.05		N/A	No	II
SC-1C-W315	110.37	Cobleskill	Schoharie	PSS PFO	203	0.01	0.35			0.05		N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1C-W419	110.58	Cobleskill	Schoharie	PSS	10		0.01			0.01		N/A	No	IV
SC-1B-W455	110.76	Cobleskill	Schoharie	PSS	19		0.02			0.01		N/A	No	II
SC-1C-W418	110.76	Cobleskill	Schoharie	PFO	0	0.01						N/A	No	N/A
SC-1C-W420	110.94	Cobleskill	Schoharie	PSS	0		0.04					N/A	No	N/A
SC-1G-W441	111.27	Cobleskill	Schoharie	PFO	0	0.01			0.01			N/A	No	N/A
SC-1L-W215	111.49	Cobleskill	Schoharie	PSS PEM	325		0.36	0.19		0.05		N/A	No	II
	111.49	Cobleskill	Schoharie	PEM	318			0.56				N/A	No	II
SC-1Q-W216	111.96	Cobleskill	Schoharie	PFO	50	0.11			0.03			N/A	No	II
SC-1L-W213	112.03	Cobleskill	Schoharie	PFO	150	0.32			0.11			N/A	No	II
SC-1M-W071	113.35	Middleburgh	Schoharie	PSS PEM	1,273		0.39	1.79		0.05		CO-25, Class II	Yes	II
SC-1M-W067	113.73	Middleburgh	Schoharie	PSS	384		0.63			0.09		CO-25, Class II	Yes	II
SC-1M-W058	114.67	Middleburgh	Schoharie	PEM	694			1.18				N/A	No	II
SC-1N-W063	115.47	Middleburgh	Schoharie	PEM	0			0.06				N/A	No	N/A
SC-1Q-W156	118.4	Schoharie	Schoharie	PSS PEM	0		0.03	0.05				N/A	No	N/A
SC-1Q-W164	119.39	Schoharie	Schoharie	PSS	221		0.36			0.05		N/A	No	II

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
SC-1I-W399	119.65	Schoharie	Schoharie	PEM	0			0.04				N/A	No	N/A
SC-1Q-W379	119.89	Schoharie	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1Q-W380	119.89	Schoharie	Schoharie	PEM	127			0.21				N/A	No	II
SC-1Q-W382	119.99	Schoharie	Schoharie	PEM	22			0.03				N/A	No	II
SC-1A-W292C	120.43	Schoharie	Schoharie	PEM	0			0.02				N/A	No	N/A
SC-1A-W292D	120.43	Schoharie	Schoharie	PEM	44			0.08				N/A	No	II
SC-1D-W292	120.51	Schoharie	Schoharie	PEM PSS	217		0.36	0.01		0.05		N/A	No	II
SC-1U-W292F	120.51	Schoharie	Schoharie	PSS	23		0.05			0.01		N/A	No	II
SC-1C-W313	120.73	Schoharie	Schoharie	PEM	0			0.01				N/A	No	N/A
SC-1C-W314	120.73	Schoharie	Schoharie	PEM	40			0.07				N/A	No	II
SC-1A-W160A	121	Schoharie	Schoharie	PFO	0	0.02			0.01			N/A	No	N/A
SC-1G-W160	121.01	Schoharie	Schoharie	PSS	44		0.12			0.01		N/A	No	II
SC-1C-W172A	122.71	Schoharie	Schoharie	PEM PSS	0		0.02	0.02		0.01		N/A	No	N/A
SC-1L-W167	123.06	Schoharie	Schoharie	PEM	603			1.05				N/A	No	II
				Pipeline Total	**48,532**	**29.39**	**24.06**	**26.91**	**11.56**	**3.45**	**0.00**			

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	Wetland Impact (acres)[c] Construction PFO	Construction PSS	Construction PEM	Operation PFO Conv (Fill)	Operation PSS Conv (Fill)	Operation PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
ACCESS ROADS - ALL FOR DELAWARE COUNTY														
DE-1C-W224 PAR 36	52.24	Masonville	Delaware	PEM	0			0.01			0.01	N/A	No	Perm.Fill
DE-1C-W158C TAR36A	54.16	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1C-W158C TAR 36A	54.16	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1C-W158D TAR 36A	54.16	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1C-W338 TAR 36A	54.16	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1C-W338 TAR 36A	54.16	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1C-W158A TAR 36B	54.4	Sidney	Delaware	PEM	0			0.01				N/A	No	Temp. Fill
DE-1F-W075 TAR 36C	54.92	Sidney	Delaware	PEM	522			0.20				N/A	No	Temp. Fill
DE-1K-W228 TAR 36C	54.92	Sidney	Delaware	PEM	115			0.04				N/A	No	Temp. Fill
DE-1A-W463 PAR 40	63.9	Sidney	Delaware	PFO	0	0.01			0 (0.01)			N/A	No	N/A

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

						Wetland Impact (acres)[c]								
						Construction			Operation					
Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	PFO	PSS	PEM	PFO Conv (Fill)	PSS Conv (Fill)	PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]
DE-1A-W362 PAR44	69.96	Franklin	Delaware	PEM	0							N/A	No	Perm. Fill
DE-1H-W268 PAR 46	72.79	Franklin	Delaware	PSS	0							ON-2, Class II	Yes	N/A
DE-1A-W125A PAR 47	73.65	Franklin	Delaware	PFO	TBD							ON-4, Class II	Yes	TBD
DE-1A-W125B PAR 47	73.65	Franklin	Delaware	PFO	TBD							ON-4, Class II	Yes	TBD
DE-1C-W375A PAR 48B	76.93	Davenport	Delaware	PFO	27	0.01			0 (0.01)			N/A	No	Perm. Fill
DE-1C-W377 PAR 48B	76.93	Davenport	Delaware	PSS	70		0.03			0 (0.03)		N/A	No	Perm. Fill
DE-1M-W154 PAR 48B	76.93	Davenport	Delaware	PFO	15	0.01			0 (0.01)			N/A	No	Perm. Fill
			Access Roads Total		**749**	**0.03**	**0.03**	**0.31**	**0.00**	**0.00**	**0.01**			
			New York Total		**49,281**	**29.42**	**24.09**	**27.22**	**11.56 (<0.1)**	**3.45 (<0.1)**	**0.01**			

APPENDIX L-2
Wetlands Associated with the Constitution Pipeline Project – New York

						Wetland Impact (acres)[c]								
						Construction			Operation					
Wetland ID[a]	Milepost	Town	County	Wetland Class[b]	Crossing Length (feet)	PFO	PSS	PEM	PFO Conv (Fill)	PSS Conv (Fill)	PEM	State Wetland Classification[d]	NYSDEC Regulated Wetland (Yes or No)	Crossing Method[e]

N/A = Not Applicable – for wetland class with N/A it indicates that the wetland is not classified by the NYSDEC.

[a] Crossings and impacts for wetland features with "X" in identification name taken from NWI GIS datalayer. No wetlands were identified in the Westfall Road M&R Station site during field surveys in 2012, including the pig receiver area. Wetlands associated with MLVs are included in the corresponding pipeline segment.

[b] Wetland classification according to Cowardin et al. 1979: PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

[c] Construction Acreage = all workspace during construction activities (temporary plus permanent); Operation Acreage = 10-foot-wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot-wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there would be no operation impact on PEM wetlands, since there would be no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact on each pre-construction wetland vegetation cover type for each wetland included in the table. The typical right-of-way width at wetland crossings is 75 feet.

[d] New York classifies wetlands as Class I, II, III, IV (6 NYCRR Chapter X Part 664). Classification descriptions are provided in section 4.4 of the EIS.

[e] Crossing Methods for wetlands are described in section 4.4; I = Standard Crossing; II = Conventional Crossing; III = Push/Pull Crossing; IV = Conventional Bore; V = Trenchless Crossing; N/A = Wetland not crossed by pipeline. Temporary equipment mats may be used to facilitate access across wetlands.

APPENDIX M

Interior Forest Areas Crossed by the Constitution Pipeline Project

APPENDIX M
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
0.1	0.1	Susquehanna	315	90.0	0.7	0.4	0.1	0.0	-
1.2	1.5	Susquehanna	1,492	100.0	3.5	1.7	0.3	0.0	-
1.8	1.9	Susquehanna	608	101.0	1.4	0.7	0.1	0.0	-
2.8	2.8	Susquehanna	0	20.0	0.0	0.0	N/A	0.0	-
3.1	3.2	Susquehanna	91	100.0	0.3	0.1	0.0	0.0	-
3.5	3.9	Susquehanna	1,798	100.0	4.1	2.1	0.4	0.0	-
3.9	3.9	Susquehanna	113	110.0	0.3	0.1	N/A	0.0	Additional workspace required at this location to allow for neckdown at nearby wetland
3.9	3.9	Susquehanna	225	85.0	0.5	0.3	0.1	0.0	-
7.2	7.3	Susquehanna	93	100.0	0.2	0.1	0.0	0.0	-
7.3	7.3	Susquehanna	43	90.0	0.1	0.1	0.0	0.0	-
7.3	7.5	Susquehanna	1,511	100.0	3.5	1.7	0.4	0.0	-
8.1	8.3	Susquehanna	774	100.0	1.8	0.9	0.2	0.0	-
8.5	8.7	Susquehanna	991	100.0	2.3	1.1	0.2	0.0	-
8.7	8.7	Susquehanna	151	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow for neckdown at nearby wetland & waterbody

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
8.7	8.7	Susquehanna	34	100.0	0.1	0.0	0.0	0.0	-
8.7	8.7	Susquehanna	70	85.0	0.1	0.1	0.0	0.0	-
9.6	9.6	Susquehanna	27	76.0	0.1	0.0	0.0	0.0	-
9.6	9.6	Susquehanna	51	100.0	0.1	0.1	0.0	0.0	-
9.6	9.6	Susquehanna	72	85.0	0.4	0.1	0.0	0.0	-
9.6	9.7	Susquehanna	128	100.0	0.3	0.2	0.0	0.0	-
9.7	9.7	Susquehanna	315	83.0	0.5	0.4	0.2	0.0	-
12.2	12.2	Susquehanna	51	103.0	0.1	0.1	0.0	0.0	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
12.3	12.3	Susquehanna	42	90.0	0.1	0.1	0.0	0.0	-
12.3	12.3	Susquehanna	200	100.0	0.5	0.2	0.1	0.0	-
12.3	12.3	Susquehanna	20	77.0	0.1	0.0	0.0	0.0	-
12.4	12.4	Susquehanna	24	70.0	0.1	0.0	0.0	0.0	-
12.4	12.5	Susquehanna	308	100.0	0.7	0.4	0.1	0.0	-
12.5	12.5	Susquehanna	111	86.0	0.2	0.1	0.1	0.0	-
12.7	12.7	Susquehanna	46	88.0	0.1	0.1	0.0	0.0	-
12.7	12.7	Susquehanna	68	100.0	0.2	0.1	0.0	0.0	-
12.7	12.7	Susquehanna	238	85.0	0.4	0.3	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
12.7	12.7	Susquehanna	89	100.0	0.2	0.1	0.0	0.0	-
12.7	12.7	Susquehanna	8	95.0	0.0	0.0	0.0	0.0	-
12.9	13.4	Susquehanna	2,383	100.0	5.5	2.7	0.6	0.0	-
13.4	13.5	Susquehanna	468	93.0	1.1	0.7	0.2	0.0	-
13.5	13.5	Susquehanna	277	90.0			0.1	0.0	-
13.5	13.6	Susquehanna	89	100.0	0.2	0.1	0.0	0.0	-
13.6	13.6	Susquehanna	152	75.0	0.3	0.2	0.1	0.0	-
13.6	13.6	Susquehanna	40	100.0	0.1	0.1	0.0	0.0	-
13.6	13.6	Susquehanna	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
13.6	13.8	Susquehanna	765	100.0	1.7	0.9	0.2	0.0	-
14.1	14.1	Susquehanna	0	1.0	0.0	0.0	N/A	0.0	-
14.2	14.2	Susquehanna	21	25.0	0.0	0.0	0.0	0.0	-
14.5	14.5	Susquehanna	0	20.0	0.0	0.0	N/A	0.0	-
15.8	15.8	Susquehanna	32	77.0	0.1	0.0	0.0	0.0	-
15.8	15.8	Susquehanna	199	100.0	0.5	0.2	0.1	0.0	-
15.8	15.8	Susquehanna	51	75.0	0.1	0.1	0.0	0.0	-
15.8	16.2	Susquehanna	1,752	100.0	4.1	2.0	0.4	0.0	-
16.2	16.2	Susquehanna	76	90.0	0.2	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
16.2	16.3	Susquehanna	589	100.0	1.3	0.7	0.1	0.0	-
16.3	16.3	Susquehanna	103	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
16.3	16.3	Susquehanna	111	100.0	0.3	0.1	0.0	0.0	-
16.3	16.4	Susquehanna	137	90.0	0.3	0.2	0.1	0.0	-
16.4	16.4	Susquehanna	10	140.0	0.0	0.0	N/A	0.0	Additional workspace required at this location to allow for neckdown at nearby wetland
16.4	16.4	Susquehanna	89	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
16.4	16.4	Susquehanna	30	100.0	0.1	0.0	0.0	0.0	-
16.4	16.6	Susquehanna	991	100.0	2.3	1.1	0.2	0.0	-
16.6	16.6	Susquehanna	88	85.0	0.2	0.1	0.1	0.0	-
16.6	16.6	Susquehanna	145	100.0	0.3	0.2	0.0	0.0	-
16.9	17.0	Susquehanna	350	100.0	0.8	0.4	0.1	0.0	-
17.1	17.2	Susquehanna	525	100.0	1.2	0.6	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
17.2	17.3	Susquehanna	279	150.0	1.0	0.3	N/A	0.3	Additional workspace required at this location to construct through large rock outcrop
17.3	17.9	Susquehanna	3,616	100.0	8.3	4.2	0.8	0.0	-
17.9	18.0	Susquehanna	98	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
18.0	18.0	Susquehanna	77	100.0	0.2	0.1	0.0	0.0	-
18.0	18.0	Susquehanna	123	85.0	0.3	0.1	0.1	0.0	-
18.0	18.0	Susquehanna	45	141.0	0.1	0.1	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody crossing
18.0	18.0	Susquehanna	65	150.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
18.0	18.7	Susquehanna	3,311	100.0	7.6	3.8	0.8	0.0	-
18.7	18.7	Susquehanna	64	90.0	0.1	0.1	0.0	0.0	-
18.7	18.8	Susquehanna	515	100.0	1.2	0.6	0.1	0.0	-
18.8	18.8	Susquehanna	98	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
18.8	18.8	Susquehanna	46	100.0	0.1	0.1	0.0	0.0	-
18.8	18.8	Susquehanna	19	90.0	0.0	0.0	0.0	0.0	-
18.8	18.8	Susquehanna	144	85.0	0.3	0.2	0.1	0.0	-
18.8	18.8	Susquehanna	5	100.0	0.0	0.0	0.0	0.0	-
19.0	19.2	Susquehanna	1,212	100.0	2.8	1.4	0.3	0.0	-
19.3	19.3	Susquehanna	15	91.0	0.1	0.0	0.0	0.0	-
19.3	19.5	Susquehanna	902	100.0	2.1	1.0	0.2	0.0	-
19.5	19.5	Susquehanna	115	95.0	0.4	0.3	0.0	0.0	-
19.6	19.6	Susquehanna	118	95.0			0.0	0.0	-
19.6	19.8	Susquehanna	1,387	100.0	3.2	1.6	0.3	0.0	-
20.0	20.0	Susquehanna	0	6.0	0.0	0.0	N/A	0.0	-
20.0	20.0	Susquehanna	154	85.0	0.3	0.2	0.1	0.0	-
20.0	20.0	Susquehanna	54	100.0	0.1	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
20.0	20.1	Susquehanna	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
20.1	20.2	Susquehanna	659	100.0	1.5	0.8	0.2	0.0	-
20.3	20.7	Susquehanna	2,195	100.0	5.1	2.5	0.5	0.0	-
20.7	20.7	Susquehanna	54	139.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
20.7	20.7	Susquehanna	22	100.0	0.1	0.0	0.0	0.0	-
20.7	20.7	Susquehanna	71	88.0	0.1	0.1	0.0	0.0	-
20.7	20.8	Susquehanna	62	33.0	0.1	0.1	0.1	0.0	-
21.0	21.0	Susquehanna	54	93.0	0.2	0.1	0.0	0.0	-
21.0	21.0	Susquehanna	20	100.0	0.1	0.0	0.0	0.0	-
21.0	21.0	Susquehanna	39	90.0	0.1	0.1	0.0	0.0	-
21.0	21.0	Susquehanna	79	100.0	0.2	0.1	0.0	0.0	-
21.0	21.0	Susquehanna	64	92.0	0.2	0.1	0.0	0.0	-
21.3	21.3	Susquehanna	0	13.0	0.0	0.0	N/A	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
21.9	22.1	Susquehanna	987	100.0	2.3	1.1	0.2	0.0	-
22.1	22.1	Susquehanna	62	80.0	0.1	0.1	0.0	0.0	-
22.2	22.3	Susquehanna	96	77.0	0.3	0.2	0.1	0.0	-
22.3	22.4	Susquehanna	712	100.0	1.7	0.8	0.2	0.0	-
22.4	22.4	Susquehanna	28	77.0	0.1	0.0	0.0	0.0	-
22.7	22.7	Susquehanna	102	87.0	0.2	0.1	0.1	0.0	-
22.7	22.7	Susquehanna	64	100.0	0.2	0.1	0.0	0.0	-
22.7	22.7	Susquehanna	101	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
22.7	22.8	Susquehanna	180	100.0	0.4	0.2	0.0	0.0	-
22.8	22.8	Susquehanna	65	90.0	0.1	0.1	0.0	0.0	-
22.8	22.8	Susquehanna	55	100.0	0.1	0.1	0.0	0.0	-
22.8	22.8	Susquehanna	83	75.0	0.2	0.1	0.1	0.0	-
22.8	22.8	Susquehanna	42	100.0	0.1	0.1	0.0	0.0	-
22.8	22.8	Susquehanna	89	85.0	0.2	0.1	0.1	0.0	-
23.0	23.0	Susquehanna	21	82.0	0.1	0.0	0.0	0.0	-
23.0	23.1	Susquehanna	359	100.0	0.8	0.4	0.1	0.0	-
23.1	23.1	Susquehanna	22	85.0	0.0	0.0	0.0	0.0	-
23.6	23.6	Susquehanna	25	65.0	0.1	0.0	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
23.6	23.8	Susquehanna	899	100.0	2.1	1.0	0.2	0.0	-
23.8	23.8	Susquehanna	34	75.0	0.1	0.0	0.0	0.0	-
23.8	23.8	Susquehanna	236	100.0	0.5	0.3	0.1	0.0	-
23.8	23.8	Susquehanna	43	85.0	0.1	0.1	0.0	0.0	-
23.8	23.8	Susquehanna	40	100.0	0.1	0.1	0.0	0.0	-
23.8	23.8	Susquehanna	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
23.8	23.9	Susquehanna	99	100.0	0.2	0.1	0.0	0.0	-
23.9	23.9	Susquehanna	65	90.0	0.1	0.1	0.0	0.0	-
23.9	23.9	Susquehanna	43	100.0	0.1	0.1	0.0	0.0	-
23.9	23.9	Susquehanna	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
23.9	24.2	Susquehanna	1,804	100.0	4.1	2.1	0.4	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
24.2	24.3	Susquehanna	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.3	24.3	Susquehanna	74	100.0	0.2	0.1	0.0	0.0	-
24.3	24.3	Susquehanna	96	85.0	0.2	0.1	0.1	0.0	-
24.3	24.3	Susquehanna	53	100.0	0.1	0.1	0.0	0.0	-
24.3	24.3	Susquehanna	63	85.0	0.1	0.1	0.0	0.0	-
24.3	24.3	Susquehanna	20	100.0	0.0	0.0	0.0	0.0	-
24.3	24.3	Susquehanna	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.3	24.4	Susquehanna	123	100.0	0.3	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
24.4	24.4	Susquehanna	3	150.0	0.0	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.4	24.4	Susquehanna	54	140.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.4	24.4	Susquehanna	93	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.4	24.4	Susquehanna	27	100.0	0.1	0.0	0.0	0.0	-
24.4	24.4	Susquehanna	193	90.0	0.4	0.2	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
24.4	24.4	Susquehanna	82	140.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.4	24.5	Susquehanna	67	150.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
24.5	24.5	Susquehanna	340	100.0	0.8	0.4	0.1	0.0	-
24.5	24.5	Susquehanna	12	80.0	0.1	0.0	0.0	0.0	-
25.4	26.1	Broome	3,989	100.0	9.2	4.6	0.9	0.0	-
26.1	26.1	Broome	65	97.0	0.1	0.1	0.0	0.0	-
26.3	26.4	Broome	61	100.0	0.1	0.1	0.0	0.0	-
26.4	26.4	Broome	50	150.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
26.4	26.4	Broome	30	139.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
26.4	26.4	Broome	19	73.0	0.0	0.0	0.0	0.0	-
26.4	26.4	Broome	0	3.0	0.0	0.0	N/A	0.0	-
26.5	26.5	Broome	0	19.0	0.0	0.0	N/A	0.0	-
26.5	26.5	Broome	0	19.0	0.0	0.0	N/A	0.0	-
27.2	27.2	Broome	74	87.0	0.3	0.1	0.0	0.0	-
27.8	28.1	Broome	1,569	100.0	3.6	1.8	0.4	0.0	-
28.1	28.1	Broome	45	75.0	0.1	0.1	0.0	0.0	-
28.3	28.3	Broome	23	100.0	0.1	0.0	0.0	0.0	-
28.3	28.3	Broome	73	75.0	0.1	0.1	0.1	0.0	-
28.3	28.3	Broome	30	100.0	0.1	0.0	0.0	0.0	-
28.3	28.4	Broome	66	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
28.4	28.4	Broome	341	100.0	0.8	0.4	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
28.4	28.4	Broome	14	95.0	0.1	0.0	0.0	0.0	-
30.3	30.3	Broome	80	100.0	0.2	0.1	0.0	0.0	-
31.1	31.2	Broome	41	88.0	0.2	0.1	0.0	0.0	-
31.2	31.7	Broome	2,919	100.0	6.7	3.4	0.7	0.0	-
32.1	32.4	Broome	1,221	100.0	2.8	1.4	0.3	0.0	-
32.4	32.4	Broome	128	85.0	0.3	0.2	0.1	0.0	-
32.4	32.4	Broome	83	75.0	0.1	0.1	0.1	0.0	-
32.4	32.4	Broome	76	90.0	0.2	0.1	0.0	0.0	-
32.4	32.6	Broome	1,281	100.0	2.9	1.5	0.3	0.0	-
36.7	36.8	Broome	0	16.0	0.0	0.0	N/A	0.0	-
42.3	42.3	Chenango	15	91.0	0.0	0.0	0.0	0.0	-
42.3	42.3	Chenango	57	100.0	0.1	0.1	0.0	0.0	-
42.3	42.3	Chenango	12	83.0	0.0	0.0	0.0	0.0	-
43.9	43.9	Chenango	0	9.0	0.0	0.0	N/A	0.0	-
43.9	43.9	Chenango	0	29.0	0.1	0.0	N/A	0.0	-
44.1	44.1	Chenango	54	74.0	0.1	0.1	0.0	0.0	-
44.1	44.7	Chenango	2,931	100.0	6.7	3.4	0.7	0.0	-
44.7	44.7	Chenango	41	90.0	0.1	0.1	0.0	0.0	-
44.7	45.0	Chenango	1,792	100.0	4.1	2.1	0.4	0.0	-
45.0	45.0	Chenango	87	90.0	0.2	0.1	0.0	0.0	-
45.0	45.0	Chenango	64	100.0	0.2	0.1	0.0	0.0	-
46.5	46.5	Chenango	164	52.0	0.2	0.2	0.2	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
46.6	46.7	Chenango	235	98.0	0.7	0.5	0.1	0.0	-
46.7	46.7	Chenango	131	95.0			0.1	0.0	-
46.7	46.8	Chenango	109	100.0	0.3	0.1	0.0	0.0	-
46.8	46.8	Chenango	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
46.8	46.8	Chenango	65	100.0	0.2	0.1	0.0	0.0	-
46.8	46.8	Chenango	96	85.0	0.2	0.1	0.1	0.0	-
46.8	46.8	Chenango	65	100.0	0.2	0.1	0.0	0.0	-
46.8	46.8	Chenango	98	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
46.8	47.1	Chenango	1,491	100.0	3.4	1.7	0.3	0.0	-
47.1	47.1	Chenango	41	96.0	0.1	0.1	0.0	0.0	-
49.0	49.2	Chenango	645	100.0	1.5	0.7	0.2	0.0	-
49.2	49.2	Chenango	199	90.0	0.4	0.2	0.1	0.0	-
49.2	49.2	Chenango	136	100.0	0.3	0.2	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
49.2	49.2	Chenango	10	94.0	0.0	0.0	0.0	0.0	-
49.2	49.3	Chenango	236	100.0	0.5	0.3	0.1	0.0	-
49.3	49.3	Chenango	84	90.0	0.2	0.1	0.0	0.0	-
49.3	49.3	Chenango	166	100.0	0.4	0.2	0.0	0.0	-
49.3	49.3	Chenango	33	90.0	0.1	0.0	0.0	0.0	-
49.3	49.6	Chenango	1,269	100.0	2.9	1.5	0.3	0.0	-
49.6	49.6	Chenango	94	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
49.6	49.6	Chenango	77	100.0	0.2	0.1	0.0	0.0	-
49.6	49.6	Chenango	44	85.0	0.1	0.1	0.0	0.0	-
49.6	49.6	Chenango	80	100.0	0.2	0.1	0.0	0.0	-
49.6	49.7	Chenango	463	85.0	0.8	0.5	0.3	0.0	-
49.7	49.7	Chenango	195	52.0	0.3	0.2	0.3	0.0	-
50.6	50.6	Delaware	151	100.0	0.4	0.2	0.0	0.0	-
50.6	50.6	Delaware	81	87.0	0.2	0.1	0.0	0.0	-
50.8	50.8	Delaware	188	88.0	0.4	0.2	0.1	0.0	-
50.9	51.0	Delaware	100	75.0	0.2	0.1	0.1	0.0	-
51.2	51.2	Delaware	57	88.0	0.1	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
51.2	51.3	Delaware	363	100.0	0.8	0.4	0.1	0.0	-
51.4	51.5	Delaware	223	100.0	0.5	0.3	0.1	0.0	-
52.0	52.0	Delaware	159	80.0	0.3	0.1	0.1	0.0	-
52.2	52.2	Delaware	95	85.0	0.2	0.1	0.1	0.0	-
52.2	52.3	Delaware	81	100.0	0.2	0.1	0.0	0.0	-
52.3	52.3	Delaware	79	90.0	0.2	0.1	0.0	0.0	-
52.3	52.3	Delaware	347	100.0	0.8	0.4	0.1	0.0	-
52.3	52.4	Delaware	76	85.0	0.2	0.1	0.0	0.0	-
52.4	52.4	Delaware	479	100.0	1.1	0.6	0.1	0.0	-
52.4	52.5	Delaware	42	92.0	0.1	0.1	0.0	0.0	-
52.6	52.6	Delaware	91	94.0	0.2	0.1	0.0	0.0	-
56.8	56.8	Delaware	10	91.0	0.0	0.0	0.0	0.0	-
56.8	56.9	Delaware	108	100.0	0.3	0.1	0.0	0.0	-
56.9	56.9	Delaware	79	93.0	0.1	0.1	0.0	0.0	-
57.9	57.9	Delaware	0	8.0	0.0	0.0	N/A	0.0	-
57.9	57.9	Delaware	11	88.0	0.1	0.0	0.0	0.0	-
58.4	58.7	Delaware	1,464	75.0	2.5	1.7	1.2	0.0	-
58.7	58.7	Delaware	167	73.0	0.3	0.2	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
58.7	58.7	Delaware	0	104.0	0.2	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby wetland crossings
58.7	58.7	Delaware	0	50.0	0.1	0.0	N/A	0.0	-
61.7	62.0	Delaware	1,485	100.0	3.4	1.7	0.3	0.0	-
62.2	62.5	Delaware	1,342	100.0	3.1	1.5	0.3	0.0	-
62.7	63.1	Delaware	1,649	100.0	3.8	1.9	0.4	0.0	-
63.1	63.1	Delaware	98	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
63.1	63.1	Delaware	9	100.0	0.0	0.0	0.0	0.0	-
63.1	63.1	Delaware	393	90.0	0.7	0.5	0.2	0.0	-
63.1	63.2	Delaware	52	100.0	0.1	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
63.2	63.2	Delaware	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
63.2	63.3	Delaware	851	100.0	2.0	1.0	0.2	0.0	-
63.3	63.4	Delaware	69	94.0	0.1	0.1	0.0	0.0	-
63.5	63.5	Delaware	90	91.0	0.2	0.1	0.0	0.0	-
63.5	63.6	Delaware	342	100.0	0.8	0.4	0.1	0.0	-
63.6	63.6	Delaware	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
63.6	63.7	Delaware	497	100.0	1.1	0.6	0.1	0.0	-
63.7	63.7	Delaware	367	85.0	0.7	0.4	0.2	0.0	-
63.7	63.8	Delaware	70	140.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
63.8	63.8	Delaware	30	150.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow for neckdown at nearby wetland
63.8	63.9	Delaware	719	100.0	1.7	0.8	0.2	0.0	-
63.9	63.9	Delaware	119	90.0	0.2	0.1	0.1	0.0	-
63.9	63.9	Delaware	101	140.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
63.9	64.0	Delaware	93	90.0	0.2	0.1	0.0	0.0	-
64.0	64.0	Delaware	73	100.0	0.2	0.1	0.0	0.0	-
64.0	64.0	Delaware	100	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
64.0	64.0	Delaware	286	100.0	0.7	0.3	0.1	0.0	-
64.0	64.1	Delaware	73	85.0	0.1	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
64.1	64.1	Delaware	227	90.0	0.5	0.3	0.1	0.0	-
64.1	64.5	Delaware	2,132	100.0	5.0	2.6	0.5	0.0	-
64.5	64.5	Delaware	40	41.0			0.1	0.0	-
64.6	64.7	Delaware	237	90.0	0.4	0.3	0.1	0.0	-
64.7	64.8	Delaware	573	100.0	1.3	0.7	0.1	0.0	-
65.6	65.6	Delaware	96	95.0	0.2	0.1	0.0	0.0	-
65.6	65.7	Delaware	515	100.0	1.2	0.6	0.1	0.0	-
65.7	65.7	Delaware	34	77.0	0.1	0.0	0.0	0.0	-
66.5	66.6	Delaware	466	100.0	1.1	0.5	0.1	0.0	-
67.1	67.7	Delaware	3,318	100.0	7.6	3.8	0.8	0.0	-
67.7	67.7	Delaware	239	85.0	0.5	0.3	0.1	0.0	-
67.7	68.2	Delaware	2,530	100.0	5.8	2.9	0.6	0.0	-
68.2	68.3	Delaware	339	94.0	0.6	0.3	0.1	0.0	-
68.3	68.3	Delaware	65	100.0	0.2	0.1	0.0	0.0	-
68.5	68.8	Delaware	1,586	100.0	3.6	1.8	0.4	0.0	-
69.3	69.3	Delaware	78	65.0	0.1	0.1	0.1	0.0	-
70.7	70.7	Delaware	194	91.0	0.3	0.2	0.1	0.0	-
71.2	71.3	Delaware	692	100.0	1.6	0.8	0.2	0.0	-
71.3	71.4	Delaware	78	85.0	0.2	0.1	0.0	0.0	-
71.4	71.5	Delaware	566	100.0	1.3	0.7	0.1	0.0	-
72.1	72.1	Delaware	20	79.0	0.1	0.0	0.0	0.0	-
72.1	72.2	Delaware	416	100.0	1.0	0.5	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
72.2	72.3	Delaware	358	145.0	1.2	0.4	N/A	0.4	Additional workspace required to swap working sides
72.3	72.3	Delaware	47	112.0	0.1	0.1	N/A	0.0	Additional workspace required to swap working sides
72.3	72.3	Delaware	86	100.0	0.2	0.1	0.0	0.0	-
72.3	72.4	Delaware	358	100.0	0.8	0.4	0.1	0.0	-
72.4	72.4	Delaware	36	90.0	0.2	0.0	0.0	0.0	-
72.5	72.5	Delaware	27	93.0	0.1	0.0	0.0	0.0	-
72.5	72.9	Delaware	2,254	100.0	5.1	2.6	0.5	0.0	-
72.9	72.9	Delaware	181	90.0	0.4	0.2	0.1	0.0	-
72.9	73.0	Delaware	153	100.0	0.4	0.2	0.0	0.0	-
73.0	73.0	Delaware	150	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody crossing
73.0	73.0	Delaware	43	100.0	0.1	0.1	0.0	0.0	-
73.0	73.0	Delaware	48	85.0	0.1	0.1	0.0	0.0	-
73.0	73.0	Delaware	11	100.0	0.0	0.0	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
73.0	73.0	Delaware	148	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody crossing
73.0	73.2	Delaware	729	100.0	1.7	0.8	0.2	0.0	-
73.5	73.6	Delaware	604	75.0	1.0	0.7	0.5	0.0	-
73.6	73.6	Delaware	46	140.0	0.2	0.1	N/A	0.0	Additional workspace required at this location to allow for neckdown at nearby wetland
73.6	73.6	Delaware	62	150.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
73.6	73.9	Delaware	1,465	100.0	3.4	1.7	0.3	0.0	-
73.9	73.9	Delaware	122	91.0	0.2	0.1	0.1	0.0	-
74.2	74.2	Delaware	181	100.0	0.4	0.2	0.0	0.0	-
74.2	74.2	Delaware	46	85.0	0.1	0.1	0.0	0.0	-
74.2	74.2	Delaware	224	100.0	0.5	0.3	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
74.2	74.3	Delaware	148	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
74.3	74.3	Delaware	43	100.0	0.1	0.1	0.0	0.0	-
74.3	74.3	Delaware	182	90.0	0.4	0.2	0.1	0.0	-
74.3	74.3	Delaware	57	100.0	0.1	0.1	0.0	0.0	-
74.3	74.4	Delaware	148	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
74.4	74.4	Delaware	258	100.0	0.6	0.3	0.1	0.0	-
74.6	74.6	Delaware	209	100.0	0.5	0.2	0.1	0.0	-
74.7	74.7	Delaware	29	84.0	0.1	0.0	0.0	0.0	-
74.7	74.9	Delaware	829	100.0	1.9	1.0	0.2	0.0	-
74.9	74.9	Delaware	35	79.0	0.1	0.0	0.0	0.0	-
76.0	76.0	Delaware	58	91.0	0.2	0.1	0.0	0.0	-
76.0	76.4	Delaware	2,064	100.0	4.7	2.4	0.5	0.0	-
76.9	76.9	Delaware	17	76.0	0.0	0.0	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
76.9	76.9	Delaware	35	100.0	0.1	0.0	0.0	0.0	-
76.9	77.0	Delaware	112	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow for neckdown at nearby wetland
77.0	77.2	Delaware	1,011	100.0	2.3	1.2	0.2	0.0	-
78.9	79.0	Delaware	0	38.0	0.2	0.0	N/A	0.0	-
79.0	79.1	Delaware	0	44.0	0.1	0.0	N/A	0.0	-
79.1	79.1	Delaware	130	75.0	0.3	0.2	0.1	0.0	-
79.1	79.1	Delaware	17	85.0	0.0	0.0	0.0	0.0	-
79.1	79.1	Delaware	46	100.0	0.1	0.1	0.0	0.0	-
79.1	79.1	Delaware	48	90.0	0.1	0.1	0.0	0.0	-
79.1	79.1	Delaware	18	100.0	0.0	0.0	0.0	0.0	-
79.1	79.2	Delaware	171	85.0	0.3	0.2	0.1	0.0	-
79.2	79.2	Delaware	99	140.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
79.2	79.2	Delaware	30	90.0	0.1	0.0	0.0	0.0	-
79.2	79.2	Delaware	22	100.0	0.1	0.0	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
79.2	79.2	Delaware	67	85.0	0.1	0.1	0.0	0.0	-
79.2	79.2	Delaware	99	100.0	0.2	0.1	0.0	0.0	-
79.2	79.2	Delaware	94	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
79.2	79.3	Delaware	262	100.0	0.6	0.3	0.1	0.0	-
79.6	79.7	Delaware	484	140.0	1.6	0.6	N/A	0.4	Additional workspace required to construct on a side slope
79.7	79.8	Delaware	466	100.0	1.1	0.5	0.1	0.0	-
79.8	79.8	Delaware	95	140.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
79.8	79.8	Delaware	6	130.0	0.0	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
79.8	79.8	Delaware	187	90.0	0.4	0.2	0.1	0.0	-
79.8	79.9	Delaware	115	100.0	0.3	0.1	0.0	0.0	-
79.9	79.9	Delaware	185	85.0	0.4	0.2	0.1	0.0	-
79.9	79.9	Delaware	130	100.0	0.3	0.2	0.0	0.0	-
79.9	79.9	Delaware	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
79.9	79.9	Delaware	20	100.0	0.1	0.0	0.0	0.0	-
79.9	80.0	Delaware	58	90.0	0.1	0.1	0.0	0.0	-
80.0	80.0	Delaware	140	100.0	0.3	0.2	0.0	0.0	-
80.0	80.0	Delaware	43	75.0	0.1	0.1	0.0	0.0	-
80.0	80.0	Delaware	38	100.0	0.1	0.0	0.0	0.0	-
80.0	80.0	Delaware	31	150.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody crossing

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
80.0	80.0	Delaware	48	140.0	0.2	0.1	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody crossing
80.0	80.0	Delaware	19	150.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody crossing
80.0	80.2	Delaware	896	100.0	2.1	1.0	0.2	0.0	-
80.6	80.7	Delaware	265	93.0	0.4	0.3	0.1	0.0	-
80.6	80.6	Delaware	0	73.0	0.2	0.0	N/A	0.0	-
80.7	80.8	Delaware	608	100.0	1.4	0.7	0.1	0.0	-
80.8	80.8	Delaware	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
80.8	80.8	Delaware	57	100.0	0.1	0.1	0.0	0.0	-
81.0	81.0	Delaware	52	88.0	0.1	0.1	0.0	0.0	-
81.0	81.6	Delaware	2,883	100.0	6.6	3.3	0.7	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
82.4	82.4	Delaware	50	92.0	0.2	0.1	0.0	0.0	-
82.4	82.4	Delaware	124	100.0	0.3	0.1	0.0	0.0	-
82.4	82.4	Delaware	13	77.0	0.1	0.0	0.0	0.0	-
83.1	83.1	Delaware	40	81.0	0.1	0.1	0.0	0.0	-
83.1	83.1	Delaware	101	100.0	0.2	0.1	0.0	0.0	-
83.1	83.1	Delaware	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
83.1	83.2	Delaware	69	100.0	0.2	0.1	0.0	0.0	-
83.2	83.2	Delaware	32	75.0	0.1	0.0	0.0	0.0	-
83.2	83.2	Delaware	42	100.0	0.1	0.1	0.0	0.0	-
83.2	83.2	Delaware	100	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
83.2	83.2	Delaware	36	100.0	0.1	0.0	0.0	0.0	-
83.2	83.2	Delaware	8	85.0	0.0	0.0	0.0	0.0	-
83.2	83.2	Delaware	64	75.0	0.1	0.1	0.1	0.0	-
83.2	83.3	Delaware	558	100.0	1.3	0.6	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
83.3	83.3	Delaware	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
83.3	83.3	Delaware	40	100.0	0.1	0.1	0.0	0.0	-
83.3	83.4	Delaware	219	85.0	0.4	0.3	0.1	0.0	-
83.4	83.4	Delaware	200	100.0	0.5	0.2	0.1	0.0	-
83.4	83.4	Delaware	14	85.0	0.0	0.0	0.0	0.0	-
83.4	83.5	Delaware	258	75.0	0.4	0.3	0.2	0.0	-
83.5	83.5	Delaware	51	140.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
83.5	83.5	Delaware	47	150.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
83.5	83.9	Delaware	2,329	100.0	5.4	2.7	0.5	0.0	-
83.9	84.0	Delaware	152	90.0	0.3	0.2	0.1	0.0	-
84.0	84.0	Delaware	178	100.0	0.4	0.2	0.0	0.0	-
84.0	84.0	Delaware	192	90.0	0.4	0.2	0.1	0.0	-
84.0	84.1	Delaware	530	100.0	1.2	0.6	0.1	0.0	-
84.1	84.2	Delaware	242	95.0	0.4	0.3	0.1	0.0	-
84.8	84.8	Delaware	8	99.0	0.0	0.0	0.0	0.0	-
84.8	84.8	Delaware	48	100.0	0.1	0.1	0.0	0.0	-
84.8	84.8	Delaware	41	95.0	0.1	0.0	0.0	0.0	-
85.1	85.1	Delaware	54	99.0	0.2	0.1	0.0	0.0	-
85.1	85.1	Delaware	5	100.0	0.0	0.0	0.0	0.0	-
85.1	85.1	Delaware	3	97.0	0.0	0.0	0.0	0.0	-
85.1	85.1	Delaware	12	100.0	0.0	0.0	0.0	0.0	-
85.1	85.1	Delaware	20	95.0	0.0	0.0	0.0	0.0	-
85.1	85.1	Delaware	0	61.0	0.0	0.0	N/A	0.0	-
85.3	85.3	Delaware	0	38.0	0.0	0.0	N/A	0.0	-
85.7	85.8	Delaware	924	50.0	1.1	1.1	1.3	0.0	-
85.9	86.0	Delaware	317	50.0	0.4	0.4	0.4	0.0	-
86.0	86.0	Delaware	125	100.0	0.3	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
86.0	86.1	Delaware	109	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
86.1	86.1	Delaware	162	100.0	0.4	0.2	0.0	0.0	-
86.1	86.1	Delaware	44	75.0	0.1	0.1	0.0	0.0	-
86.1	86.1	Delaware	81	100.0	0.2	0.1	0.0	0.0	-
86.1	86.2	Delaware	375	85.0	0.6	0.4	0.2	0.0	-
86.3	86.4	Delaware	202	100.0	0.5	0.2	0.1	0.0	-
86.5	86.5	Delaware	294	93.0	0.6	0.3	0.1	0.0	-
86.8	86.8	Delaware	39	92.0	0.2	0.1	0.0	0.0	-
86.8	87.0	Delaware	1,258	100.0	2.9	1.4	0.3	0.0	-
87.0	87.0	Delaware	98	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
87.0	87.1	Delaware	73	85.0	0.1	0.1	0.0	0.0	-
87.2	87.2	Delaware	263	100.0	0.6	0.3	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
87.2	87.3	Delaware	129	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
87.3	87.6	Delaware	1,878	100.0	4.3	2.2	0.4	0.0	-
89.2	89.4	Delaware	673	100.0	1.6	0.8	0.2	0.0	-
90.7	90.8	Delaware	885	85.0	1.4	1.0	0.5	0.0	-
90.8	91.6	Delaware	4,280	100.0	9.8	4.9	1.0	0.0	-
91.8	91.8	Delaware	0	104.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody crossing
91.8	91.8	Delaware	55	149.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
91.8	91.8	Delaware	46	100.0	0.1	0.1	0.0	0.0	-
91.8	91.8	Delaware	25	75.0	0.0	0.0	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
91.8	91.8	Delaware	43	100.0	0.1	0.1	0.0	0.0	-
91.8	91.9	Delaware	100	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
91.9	92.1	Delaware	1,110	100.0	2.6	1.3	0.3	0.0	-
92.1	92.1	Delaware	100	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody crossing
92.1	92.1	Delaware	53	100.0	0.1	0.1	0.0	0.0	-
92.1	92.1	Delaware	133	85.0	0.3	0.2	0.1	0.0	-
92.1	92.1	Delaware	84	100.0	0.2	0.1	0.0	0.0	-
92.1	92.2	Delaware	99	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
92.2	92.3	Delaware	705	100.0	1.6	0.8	0.2	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
92.3	92.3	Delaware	149	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody crossing
92.3	92.4	Delaware	523	90.0	1.0	0.6	0.2	0.0	-
92.4	92.4	Delaware	28	100.0	0.1	0.0	0.0	0.0	-
92.4	92.4	Delaware	151	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby wetland crossing
92.4	92.5	Delaware	29	100.0	0.1	0.0	0.0	0.0	-
93.1	93.1	Delaware	101	95.0	0.3	0.1	0.0	0.0	-
93.1	93.3	Delaware	827	100.0	1.9	1.0	0.2	0.0	-
93.3	93.3	Delaware	36	150.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
93.3	93.3	Delaware	135	140.0	0.4	0.2	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
93.3	93.4	Delaware	392	90.0	0.7	0.5	0.2	0.0	-
93.4	93.4	Delaware	35	110.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing
93.4	93.4	Delaware	46	160.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
93.4	93.5	Delaware	575	85.0	0.8	0.6	0.3	0.0	-
94.2	94.2	Schoharie	67	74.0	0.1	0.1	0.1	0.0	-
94.2	94.5	Schoharie	1,319	100.0	3.0	1.5	0.3	0.0	-
94.5	94.5	Schoharie	16	72.0	0.1	0.0	0.0	0.0	-
95.4	95.4	Schoharie	28	89.0	0.1	0.0	0.0	0.0	-
95.4	95.5	Schoharie	67	100.0	0.2	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
95.5	95.5	Schoharie	328	90.0	0.6	0.4	0.2	0.0	-
95.5	95.6	Schoharie	377	100.0	0.9	0.4	0.1	0.0	-
95.6	95.8	Schoharie	1,202	85.0	2.2	1.4	0.7	0.0	-
95.8	96.0	Schoharie	1,132	100.0	2.6	1.3	0.3	0.0	-
96.0	96.1	Schoharie	110	90.0	0.2	0.1	0.1	0.0	-
96.1	96.1	Schoharie	61	100.0	0.1	0.1	0.0	0.0	-
96.1	96.1	Schoharie	89	85.0	0.2	0.1	0.1	0.0	-
96.1	96.1	Schoharie	12	100.0	0.0	0.0	0.0	0.0	-
96.1	96.1	Schoharie	87	151.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
96.1	96.2	Schoharie	405	100.0	0.9	0.5	0.1	0.0	-
96.2	96.2	Schoharie	39	95.0	0.2	0.1	0.0	0.0	-
96.5	96.5	Schoharie	38	48.0	0.1	0.0	0.1	0.0	-
96.6	96.6	Schoharie	0	6.0	0.0	0.0	N/A	0.0	-
96.8	96.8	Schoharie	19	90.0	0.1	0.0	0.0	0.0	-
96.8	96.8	Schoharie	178	100.0	0.4	0.2	0.0	0.0	-
97.9	97.9	Schoharie	45	81.0	0.2	0.1	0.0	0.0	-
97.9	98.6	Schoharie	3,648	100.0	8.4	4.2	0.8	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
98.6	98.6	Schoharie	97	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
98.6	98.6	Schoharie	86	100.0	0.2	0.1	0.0	0.0	-
98.6	98.6	Schoharie	126	90.0	0.2	0.1	0.1	0.0	-
98.6	98.6	Schoharie	17	140.0	0.1	0.0	N/A	0.0	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
98.6	98.6	Schoharie	79	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
98.6	99.2	Schoharie	2,835	100.0	6.5	3.3	0.7	0.0	-
99.3	99.3	Schoharie	31	92.0	0.1	0.0	0.0	0.0	-
99.3	99.4	Schoharie	433	100.0	1.0	0.5	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
99.4	99.4	Schoharie	32	92.0	0.1	0.0	0.0	0.0	-
102.1	102.1	Schoharie	19	85.0	0.0	0.0	0.0	0.0	-
102.1	102.1	Schoharie	26	100.0	0.1	0.0	0.0	0.0	-
102.1	102.2	Schoharie	129	150.0	0.5	0.2	N/A	0.2	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
102.2	102.4	Schoharie	1,131	100.0	2.6	1.3	0.3	0.0	-
102.4	102.4	Schoharie	18	85.0	0.1	0.0	0.0	0.0	-
102.7	102.7	Schoharie	57	83.0	0.1	0.1	0.0	0.0	-
102.7	102.9	Schoharie	925	100.0	2.1	1.1	0.2	0.0	-
102.9	102.9	Schoharie	97	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
102.9	102.9	Schoharie	38	100.0	0.1	0.0	0.0	0.0	-
102.9	102.9	Schoharie	114	85.0	0.2	0.1	0.1	0.0	-
102.9	103.0	Schoharie	175	100.0	0.4	0.2	0.0	0.0	-
103.0	103.1	Schoharie	487	85.0	0.9	0.6	0.3	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
103.1	103.1	Schoharie	86	100.0	0.2	0.1	0.0	0.0	-
103.1	103.1	Schoharie	101	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
103.1	103.5	Schoharie	1,939	100.0	4.4	2.2	0.5	0.0	-
103.5	103.6	Schoharie	514	85.0	1.0	0.6	0.3	0.0	-
103.7	104.0	Schoharie	1,842	100.0	4.2	2.1	0.4	0.0	-
104.0	104.0	Schoharie	30	89.0	0.1	0.0	0.0	0.0	-
104.8	104.8	Schoharie	0	17.0	0.0	0.0	N/A	0.0	-
104.8	104.8	Schoharie	2	66.0	0.1	0.0	0.0	0.0	-
105.5	105.5	Schoharie	24	100.0	0.1	0.0	0.0	0.0	-
106.1	106.1	Schoharie	98	100.0	0.2	0.1	0.0	0.0	-
106.1	106.1	Schoharie	78	82.0	0.2	0.1	0.1	0.0	-
106.1	106.1	Schoharie	28	102.0	0.4	0.1	0.0	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing
106.1	106.2	Schoharie	0	95.0	0.5	0.0	N/A	0.0	-
106.3	106.3	Schoharie	0	8.0	0.0	0.0	N/A	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
106.5	106.6	Schoharie	261	90.0	1.5	0.3	0.1	0.0	-
106.6	106.6	Schoharie	65	100.0	0.2	0.1	0.0	0.0	-
106.6	106.7	Schoharie	494	85.0	1.0	0.6	0.3	0.0	-
106.7	106.7	Schoharie	149	140.0	0.5	0.2	N/A	0.1	Additional workspace required at this location to allow construction of nearby waterbody & wetland crossings
106.7	106.7	Schoharie	127	90.0	0.3	0.2	0.1	0.0	-
106.7	106.8	Schoharie	353	100.0	0.8	0.4	0.1	0.0	-
107.3	107.3	Schoharie	0	9.0	0.0	0.0	N/A	0.0	-
107.4	107.4	Schoharie	0	63.0	0.1	0.0	N/A	0.0	-
107.4	107.4	Schoharie	0	32.0	0.0	0.0	N/A	0.0	-
107.5	107.5	Schoharie	11	80.0	0.1	0.0	0.0	0.0	-
107.5	107.7	Schoharie	666	100.0	1.5	0.8	0.2	0.0	-
107.7	107.7	Schoharie	62	90.0	0.1	0.1	0.0	0.0	-
107.7	107.7	Schoharie	73	100.0	0.2	0.1	0.0	0.0	-
107.7	107.9	Schoharie	897	100.0	2.1	1.0	0.2	0.0	-
107.9	107.9	Schoharie	50	85.0	0.1	0.1	0.0	0.0	-
107.9	108.0	Schoharie	666	100.0	1.5	0.8	0.2	0.0	-
108.0	108.0	Schoharie	85	90.0	0.2	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
108.0	108.0	Schoharie	90	100.0	0.2	0.1	0.0	0.0	-
108.0	108.0	Schoharie	47	90.0	0.1	0.1	0.0	0.0	-
108.0	108.1	Schoharie	421	100.0	1.0	0.5	0.1	0.0	-
108.1	108.1	Schoharie	118	90.0	0.2	0.1	0.1	0.0	-
108.1	108.3	Schoharie	974	100.0	2.2	1.1	0.2	0.0	-
108.3	108.3	Schoharie	83	93.0	0.2	0.1	0.0	0.0	-
108.4	108.4	Schoharie	103	88.0	0.2	0.1	0.1	0.0	-
108.4	108.5	Schoharie	178	100.0	0.4	0.2	0.0	0.0	-
108.9	108.9	Schoharie	20	66.0	0.0	0.0	0.0	0.0	-
108.9	109.0	Schoharie	176	100.0	0.4	0.2	0.0	0.0	-
109.0	109.0	Schoharie	54	85.0	0.1	0.1	0.0	0.0	-
109.5	109.6	Schoharie	0	10.0	0.0	0.0	N/A	0.0	-
109.8	109.8	Schoharie	11	76.0	0.0	0.0	0.0	0.0	-
109.8	109.8	Schoharie	145	100.0	0.3	0.2	0.0	0.0	-
109.8	109.8	Schoharie	213	85.0	0.4	0.2	0.1	0.0	-
110.6	110.7	Schoharie	496	100.0	1.1	0.6	0.1	0.0	-
110.7	110.7	Schoharie	58	135.0	0.2	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	End Milepost	County	Length Crossed (feet)	Right-of-Way Width Per Tract	Construction (acres)	Operation (acres)	Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet	Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet	Constitution's Justification of Expanded Right-of-Way Widths >100 feet
110.7	110.7	Schoharie	42	126.0	0.1	0.1	N/A	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing
110.7	110.8	Schoharie	118	90.0	0.2	0.1	0.1	0.0	-
110.8	110.8	Schoharie	20	100.0	0.0	0.0	0.0	0.0	-
110.8	110.8	Schoharie	100	136.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
110.8	110.8	Schoharie	29	100.0	0.1	0.0	0.0	0.0	-
110.8	110.8	Schoharie	86	85.0	0.2	0.1	0.1	0.0	-
110.8	110.9	Schoharie	674	100.0	1.6	0.8	0.2	0.0	-
110.9	111.0	Schoharie	46	89.0	0.1	0.1	0.0	0.0	-
111.1	111.2	Schoharie	227	87.0	0.4	0.3	0.1	0.0	-
111.2	111.2	Schoharie	88	39.0	0.1	0.1	0.1	0.0	-
111.8	111.8	Schoharie	358	100.0	0.8	0.4	0.1	0.0	-
111.8	111.9	Schoharie	181	91.0	0.4	0.2	0.1	0.0	-
111.9	111.9	Schoharie	275	100.0	0.6	0.3	0.1	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
111.9	111.9	Schoharie	101	150.0	0.4	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
111.9	112.0	Schoharie	81	100.0	0.2	0.1	0.0	0.0	-
112.0	112.0	Schoharie	139	85.0	0.3	0.2	0.1	0.0	-
112.0	112.0	Schoharie	39	100.0	0.1	0.0	0.0	0.0	-
112.0	112.0	Schoharie	90	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
112.0	112.0	Schoharie	24	101.0	0.1	0.0	0.0	0.0	Additional workspace required at this location to allow construction of nearby wetland crossing
112.0	112.1	Schoharie	213	90.0	0.4	0.3	0.1	0.0	-
112.2	112.2	Schoharie	101	97.0	0.2	0.1	0.0	0.0	-
112.2	113.3	Schoharie	5,771	100.0	13.3	6.6	1.3	0.0	-
114.0	114.0	Schoharie	83	92.0	0.2	0.1	0.0	0.0	-

APPENDIX M (continued)
Interior Forest Areas Crossed by the Constitution Pipeline Project

				Acreage Affected by Tract[a]			Reduced and Expanded Acreages within Interior Forest		
Start Milepost	**End Milepost**	**County**	**Length Crossed (feet)**	**Right-of-Way Width Per Tract**	**Construction (acres)**	**Operation (acres)**	**Interior Forest Acreage Saved from Reduction of ROW Width from 110 feet to 100 feet**	**Additional Interior Forest Acreage Disturbance Caused from Constructability Concerns from 100 feet to 150 feet**	**Constitution's Justification of Expanded Right-of-Way Widths >100 feet**
114.0	114.4	Schoharie	2,092	100.0	4.8	2.4	0.5	0.0	-
115.6	116.3	Schoharie	3,713	100.0	8.6	4.3	0.9	0.0	-
118.2	118.3	Schoharie	679	100.0	1.6	0.8	0.2	0.0	-
118.5	119.3	Schoharie	4,121	100.0	9.5	4.7	1.0	0.0	-
120.7	120.7	Schoharie	78	150.0	0.3	0.1	N/A	0.1	Additional workspace required at this location to allow construction of nearby wetland crossing
120.7	120.7	Schoharie	57	100.0	0.1	0.1	0.0	0.0	-
120.7	120.7	Schoharie	219	87.0	0.3	0.2	0.1	0.0	-
Total			**190,161**	**-**	**439.7**	**217.9**	**51.8**	**12.2**	**-**

[a] Land impacted during construction includes temporary workspace, permanent easement, and extra workspace (where applicable). Acreage Affected during construction was based on a reduced 100–foot-wide right-of-way (with exception of areas where side slope construction would occur and extra workspace would be required for the safe installation of the pipeline); Operation Acreage = 50-foot width permanently maintained easement through upland areas; 30-foot width permanently maintained through forested wetlands, 10-foot width permanently maintained through scrub-shrub wetlands; there would be no operational impacts on emergent wetlands as there would be no change in the pre- and post-construction vegetation cover type.

N/A-Not Applicable

APPENDIX N

Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

APPENDIX N
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
Pipeline							
2.3	UNT to Martins Creek	Susquehanna, PA	3	CWF	N/A	II	N/A
2.4	UNT to Martins Creek	Susquehanna, PA	7	CWF	N/A	II	N/A
3.0	Martins Creek	Susquehanna, PA	28	CWF	Approved Trout Water	II	N/A
3.0	UNT to Martins Creek	Susquehanna, PA	3	CWF	N/A	II	N/A
3.1	UNT to Martins Creek	Susquehanna, PA	1	CWF	N/A	II	N/A
3.2	UNT to Martins Creek	Susquehanna, PA	5	CWF	N/A	II	N/A
3.2	UNT to Martins Creek	Susquehanna, PA	4	CWF	N/A	II	N/A
3.3	UNT to Martins Creek	Susquehanna, PA	3	CWF	N/A	III	N/A
9.9	Salt Lick Creek	Susquehanna, PA	36	HQ-CWF	Approved Trout Water	II	N/A
10.7	UNT to Salt Lick Creek	Susquehanna, PA	3	HQ-CWF	N/A	II	N/A
12.8	UNT to Salt Lick Creek	Susquehanna, PA	11	HQ-CWF	N/A	II	N/A
18.0	UNT to Canawacta Creek	Susquehanna, PA	2	CWF	N/A	II	June 16 to February 28
18.7	Canawacta Creek	Susquehanna, PA	14	CWF	Trout Stocked	II	June 16 to February 28
19.9	UNT to Starrucca Creek	Susquehanna, PA	1	CWF	N/A	II	June 16 to February 28
19.9	UNT to Starrucca Creek	Susquehanna, PA	4	CWF	N/A	II	June 16 to February 28
20.7	UNT to Starrucca Creek	Susquehanna, PA	25	CWF	N/A	II	June 16 to February 28
20.7	UNT to Starrucca Creek	Susquehanna, PA	22	CWF	N/A	II	June 16 to February 28
21.5	UNT to Starrucca Creek	Susquehanna, PA	4	CWF	N/A	III	June 16 to February 28
21.5	UNT to Starrucca Creek	Susquehanna, PA	21	CWF	N/A	II	June 16 to February 28

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
21.8	Starrucca Creek	Susquehanna, PA	74	CWF	Trout Stocked	II	June 16 to February 28
22.5	UNT to Roaring Run	Susquehanna, PA	3	CWF	Natural Trout Reproduction	II	January 1 to September 30
22.5	UNT to Roaring Run	Susquehanna, PA	3	CWF	Natural Trout Reproduction	II	January 1 to September 30
22.5	UNT to Roaring Run	Susquehanna, PA	21	CWF	Natural Trout Reproduction	II	January 1 to September 30
22.5	Roaring Run	Susquehanna, PA	19	CWF	Natural Trout Reproduction	II	January 1 to September 30
22.6	UNT to Roaring Run	Susquehanna, PA	3	CWF	Natural Trout Reproduction	II	January 1 to September 30
27.3	UNT to Fly Creek	Broome, NY	12	B(T)	(T)	II	June 1 to September 30
27.3	UNT to Fly Creek	Broome, NY	6	B(T)	(T)	II	June 1 to September 30
28.4	UNT to Fly Creek	Broome, NY	18	B(T)	(T)	II	June 1 to September 30
28.8	Fly Creek	Broome, NY	31	B(T)	(T)	II	June 1 to September 30
28.9	UNT to Fly Creek	Broome, NY	12	B(T)	(T)	II	June 1 to September 30
29.2	UNT to Fly Creek	Broome, NY	18	B(T)	(T)	II	June 1 to September 30
30.4	UNT to Marsh Creek	Broome, NY	40	C(T)	(T)	II	June 1 to September 30
30.8	Marsh Creek	Broome, NY	30	C(T)	(T)	II	June 1 to September 30
31.8	UNT to Oquaga Creek	Broome, NY	3	C(TS)	C(TS)	II	June 1 to September 30
33.0	UNT to Oquaga Creek	Broome, NY	13	C(TS)	(TS)	II	June 1 to September 30
33.7	UNT to Oquaga Creek	Broome, NY	18	C(TS)	(TS)	II	June 1 to September 30
34.0	Oquaga Creek	Broome, NY	42	C(TS)	(TS)	II	June 1 to September 30
34.7	UNT to Oquaga Creek	Broome, NY	4	C(T)	(T)	II	N/A
34.7	UNT to Oquaga Creek	Broome, NY	11	C(T)	(T)	II	June 1 to September 30
35.6	UNT to Oquaga Creek	Broome, NY	13	C(T)	(T)	II	June 1 to September 30
36.0	UNT to Oquaga Creek	Broome, NY	3	C(T)	(T)	II	N/A
36.3	UNT to Oquaga Creek	Broome, NY	3	C(T)	(T)	II	N/A
36.6	Oquaga Creek	Broome, NY	38	C(T)	(T)	II	June 1 to September 30

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
37.4	Dry Brook	Broome, NY	19	C(T)	(T)	II	June 1 to September 30
37.4	Dry Brook	Broome, NY	36	C(T)	(T)	II	June 1 to September 30
38.8	UNT to Dry Brook	Broome, NY	7	C(T)	(T)	II	June 1 to September 30
39.2	UNT to Dry Brook	Broome, NY	29	D	N/A	II	June 1 to September 30
39.3	Dry Brook	Broome, NY	12	C(T)	(T)	II	June 1 to September 30
42.3	UNT to Cornell Creek	Chenango, NY	23	C(TS)	(TS)	II	June 1 to September 30
42.5	UNT of Cornell Creek	Chenango, NY	11	C(TS)	(TS)	II	June 1 to September 30
43.8	UNT of Cornell Creek	Chenango, NY	5	C	N/A	II	June 1 to September 30
45.4	Landers Creek	Chenango, NY	29	C(TS)	(TS)	II	June 1 to September 30
46.3	UNT to Susquehanna River	Chenango, NY	3	C(T)	(T)	II	N/A
47.7	Bennettsville Creek	Chenango, NY	31	C(T)	(T)	V	May 15 to October 15
47.8	Bennettsville Creek	Chenango, NY	20	C(T)	(T)	V	May 15 to October 15
47.8	Bennettsville Creek	Chenango, NY	17	C(T)	(T)	V	May 15 to October 15
47.8	Bennettsville Creek	Chenango, NY	90	C(T)	(T)	V	May 15 to October 15
47.8	Bennettsville Creek	Chenango, NY	26	C(T)	(T)	V	May 15 to October 15
51.1	Rock Creek	Delaware, NY	16	C(TS)	(TS)	II	June 1 to September 30
51.1	Rock Creek	Delaware, NY	4	C(TS)	(TS)	II	June 1 to September 30
52.6	UNT to Susquehanna River	Delaware, NY	9	C(TS)	(TS)	II	June 1 to September 30
54.0	UNT to Masonville Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
56.0	UNT to Carrs Creek	Delaware, NY	21	C(TS)	(TS)	II	June 1 to September 30
56.6	UNT to Carrs Creek	Delaware, NY	4	C(TS)	(TS)	II	June 1 to September 30

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
56.8	Carrs Creek	Delaware, NY	3	C(T)	(T)	II	June 1 to September 30
60.9	Ouleout Creek	Delaware, NY	98	C(T)	(T)	II	June 1 to September 30
64.8	UNT to Ouleout Creek	Delaware, NY	40	C(TS)	(TS)	II	June 1 to September 30
68.8	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
69.5	UNT to Ouleout Creek	Delaware, NY	14	C(TS)	(TS)	II	June 1 to September 30
70.9	UNT to Ouleout Creek	Delaware, NY	13	C(TS)	(TS)	II	June 1 to September 30
70.9	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
71.8	UNT to Ouleout Creek	Delaware, NY	12	C(TS)	(TS)	II	June 1 to September 30
71.9	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
71.9	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
73.0	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
74.3	UNT to Ouleout Creek	Delaware, NY	30	C(TS)	(TS)	II	June 1 to September 30
75.8	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
76.4	UNT to Ouleout Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
77.8	UNT to Charlotte Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
79.3	Prosser Hollow Brook	Delaware, NY	4	C(TS)	(TS)	II	June 1 to September 30
80.3	UNT to Charlotte Creek	Delaware, NY	6	C	N/A	II	June 1 to September 30
80.3	UNT to Charlotte Creek	Delaware, NY	13	C	N/A	II	June 1 to September 30
80.4	UNT to Charlotte Creek	Delaware, NY	4	D	N/A	II	June 1 to September 30
80.5	Pumpkin Hollow Brook	Delaware, NY	4	C(TS)	(TS)	II	June 1 to September 30
80.6	Pumpkin Hollow Brook	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
81.6	Kortright Creek	Delaware, NY	41	C(TS)	(TS)	II	June 1 to September 30

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
81.6	Kortright Creek	Delaware, NY	29	C(TS)	(TS)	II	June 1 to September 30
82.0	UNT to Kortright Creek	Delaware, NY	12	C(TS)	(TS)	II	June 1 to September 30
83.1	UNT to Kortright Creek	Delaware, NY	9	C	N/A	II	June 1 to September 30
84.7	UNT to Charlotte Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
87.9	Middle Brook	Delaware, NY	54	C(TS)	(TS)	V	June 1 to September 30
88.1	UNT to Middle Brook	Delaware, NY	9	C(TS)	(TS)	II	June 1 to September 30
88.5	UNT to Middle Brook	Delaware, NY	15	C(TS)	(TS)	II	June 1 to September 30
91.8	UNT to Charlotte Creek	Delaware, NY	3	C(TS)	(TS)	II	June 1 to September 30
92.3	UNT to Charlotte Creek	Delaware, NY	10	C(T)	(T)	II	June 1 to September 30
94.6	UNT to Charlotte Creek	Schoharie, NY	14	C(TS)	(TS)	II	June 1 to September 30
94.6	UNT to Charlotte Creek	Schoharie, NY	4	C(T)	(T)	II	June 1 to September 30
95.2	Clapper Hollow Creek	Schoharie, NY	20	C(TS)	(TS)	II	June 1 to September 30
95.4	UNT to Clapper Hollow Creek	Schoharie, NY	3	C(TS)	(TS)	II	June 1 to September 30
96.1	UNT to Clapper Hollow Creek	Schoharie, NY	16	C(T)	(T)	II	June 1 to September 30
97.4	UNT to Clapper Hollow Creek	Schoharie, NY	11	C(TS)	(TS)	II	June 1 to September 30
97.8	Road Ditch	Schoharie, NY	11	C(T)	(T)	II	June 1 to September 30
97.8	Road Ditch	Schoharie, NY	17	C(T)	(T)	II	June 1 to September 30
97.8	Road Ditch	Schoharie, NY	9	C(T)	(T)	II	June 1 to September 30
98.6	UNT to Clapper Hollow Creek	Schoharie, NY	42	C(T)	(T)	II	June 1 to September 30
101.8	West Kill	Schoharie, NY	34	C(T)	(T)	II	June 1 to September 30

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]
109.5	UNT to House Creek	Schoharie, NY	3	C(TS)	(TS)	II	June 1 to September 30
109.7	UNT to House Creek	Schoharie, NY	4	C(TS)	(TS)	II	June 1 to September 30
110.1	House Creek	Schoharie, NY	30	C(TS)	(TS)	II	June 1 to September 30
110.3	UNT to House Creek	Schoharie, NY	15	C(TS)	(TS)	II	June 1 to September 30
119.7	Schoharie Creek	Schoharie, NY	248	C	N/A	V	June 1 to September 30
120.8	UNT to Schoharie Creek	Schoharie, NY	28	C(TS)	(TS)	II	June 1 to September 30
Access Roads							
3.3	UNT to Martins Creek	Susquehanna, PA	2	CWF	N/A	Permanent Culvert/ Bridge	N/A
10.1	UNT to Salt Lick Creek	Susquehanna, PA	2	HQ-CWF	N/A	Temporary Culvert/ Bridge	N/A
17.7	UNT to Canawacta Creek	Susquehanna, PA	6	CWF	N/A	Permanent Culvert/ Bridge	June 16 to February 28
28.9	UNT to Fly Creek	Broome, NY	10	B(T)	(T)	Minor Fill Required at Approach to Existing Culverted Stream Crossing	June 1 to September 30
54.2	UNT to Masonville Creek	Delaware, NY	50	C(TS)	(TS)	Temporary Culvert/ Bridge	June 1 to September 30
63.8	UNT to Ouleout Creek	Delaware, NY	50	C(T)	(T)	Permanent Culvert/ Bridge	June 1 to September 30

APPENDIX N (continued)
Waterbodies Containing Sensitive Fisheries Crossed by the Proposed Constitution Pipeline Project

Milepost	Waterbody Name	County, State	Length Crossed (feet)	State Water Quality Classification[a]	Fisheries Classification[b]	Proposed Crossing Method[c]	Construction Window[d]

[a] Pennsylvania Water Quality Classification Definition: CWF = Cold Water Fishery; HQ = High Quality (Chapter 93 Pennsylvania Code). NY Water Quality Standards Definition: Water quality standards based on the classification and best use of waterbody as determined by NYSDEC (6 NYCRR Parts 815, 879, 931). AA, A, B, and C streams are suitable for fish, shellfish, and wildlife propagation and survival.

[b] Pennsylvania Fishery Information: Approved Trout Waters; Trout Stocked; Natural Trout Reproduction. NY Fishery Classifications: T = Trout; TS = Trout Spawning (6 NYCRR 701.25).

[c] II = Dry Crossing Method, including Flume, Dam and Pump, or Cofferdam; III = Conventional Bore; V= Direct Pipe Method. Constitution would cross intermittent streams containing discernible flow at the time of construction using a dry crossing method.

[d] PA Construction Windows for fisheries are based on the PFBC state fishery classification restrictions and consultation with the PFCB (PFBC 2013c). Although Martins and Salt Lick Creeks are approved trout waters, the pipeline would not cross portions of the creeks that are stocked and therefore do not require crossing windows. Potential timing restrictions reflect dates during which construction activities may occur and are subject to PFBC and PADEP review. Constitution would adhere to the PADEP and PFBC fishery timing restriction during construction; state fishery timing restrictions are designed by the state to protect the resources during the time period that the state has determined is critical.

NY Construction Windows for cold water fisheries are based on consultation with the NYSDEC which include the NYSDEC's Best Management Practices (BMPs) for Gas Transmission Line Construction Projects (dated May 16, 2013). Waterbody specific construction windows were added based on in-field coordination with the NYSDEC.

UNT = Unnamed Tributary

APPENDIX O

Residential Construction Plans
for the Constitution Pipeline Project

Not to Scale

Residential Construction Plan
PA-SU-061.000 – MP 10.8

Appendix O-1

SAFETY FENCE LOCATION

SAF SAF

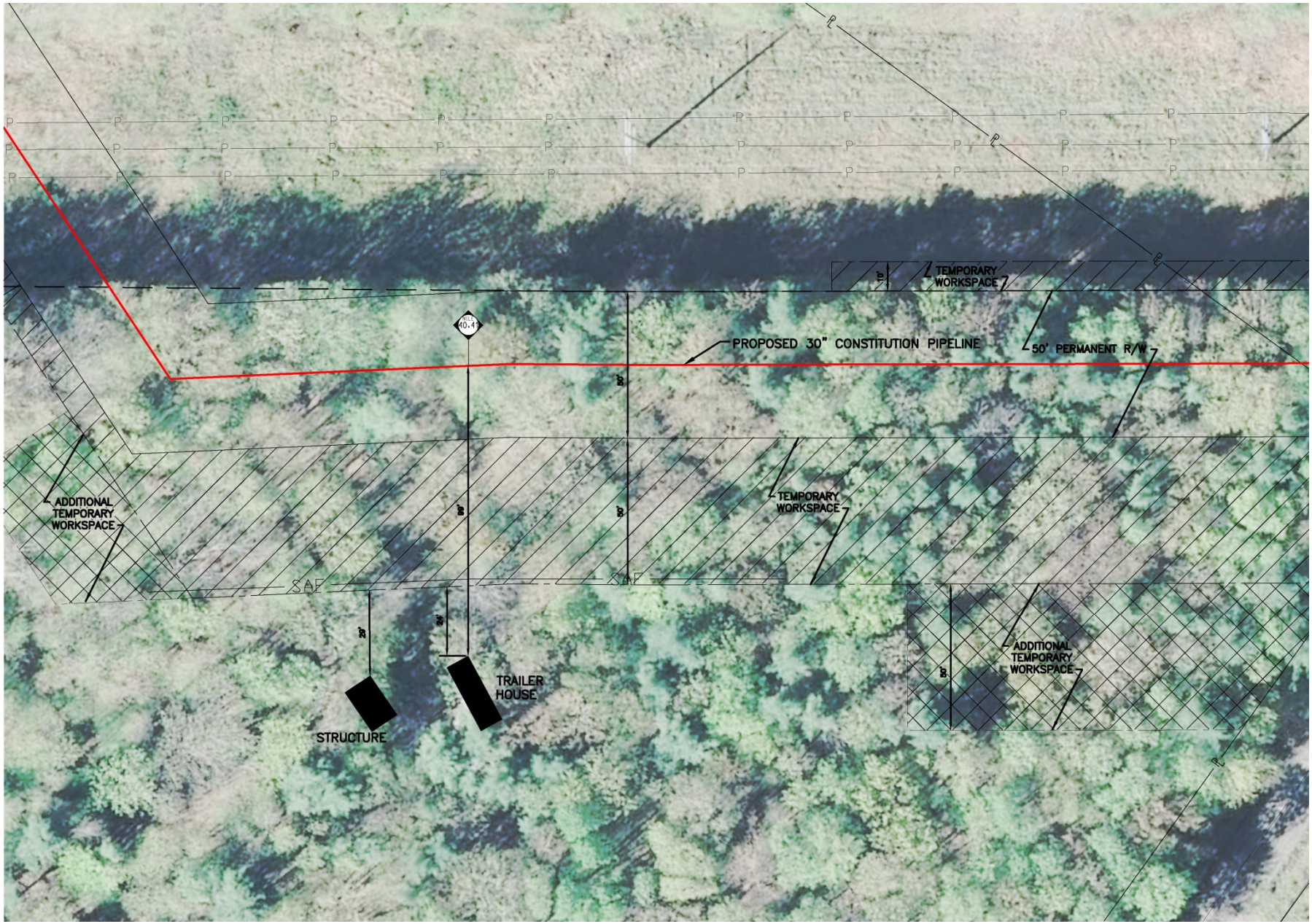
LIMITS OF DISTURBANCE

0' TYP.

Not to Scale

Residential Construction Plan
ALT-S-PA-SU-027.004 - MP 21.6

Appendix O-2



SAFETY FENCE LOCATION

SAF SAF

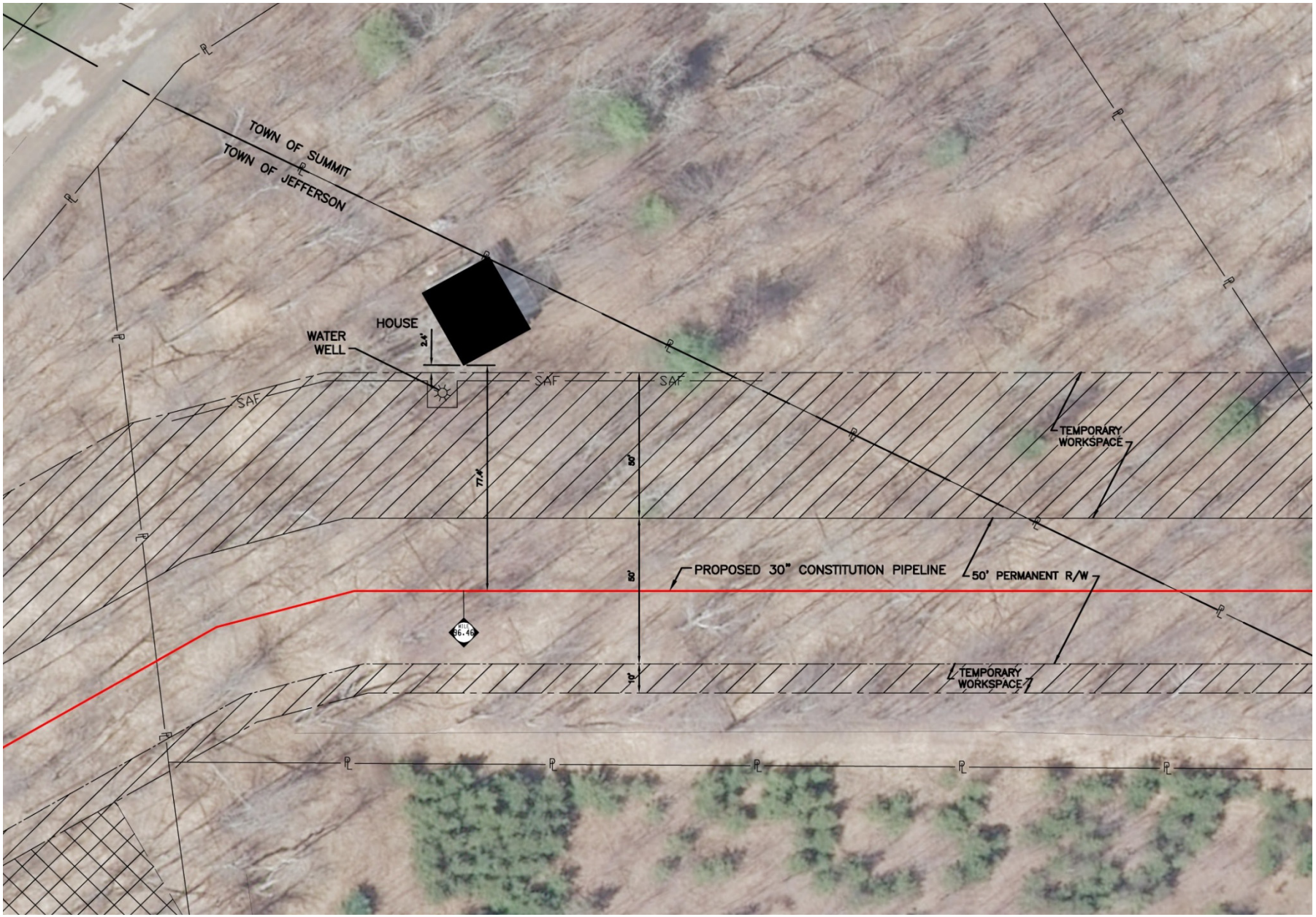
LIMITS OF DISTURBANCE

0' TYP.

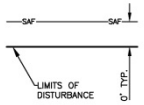
Not to Scale

Residential Construction Plan
ALT-B-NY-BR-074.000 – MP 40.4

Appendix O-3



SAFETY FENCE LOCATION



Not to Scale

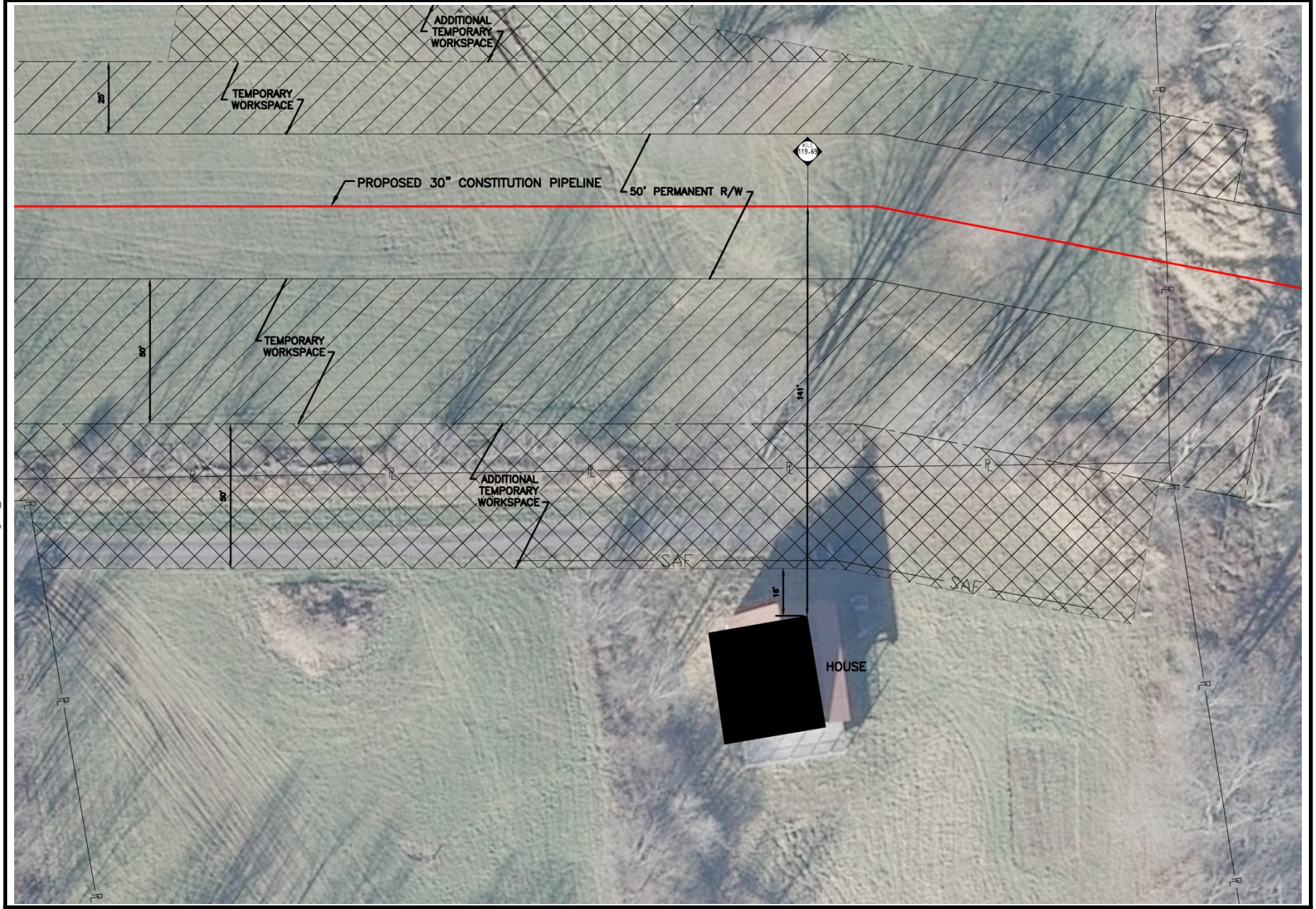
Residential Construction Plan
ALT-F-NY-SC-007.002 – MP 96.5

Appendix O-4

Not to Scale

Residential Construction Plan
ALT-F-NY-SC-011.000 – MP 96.7

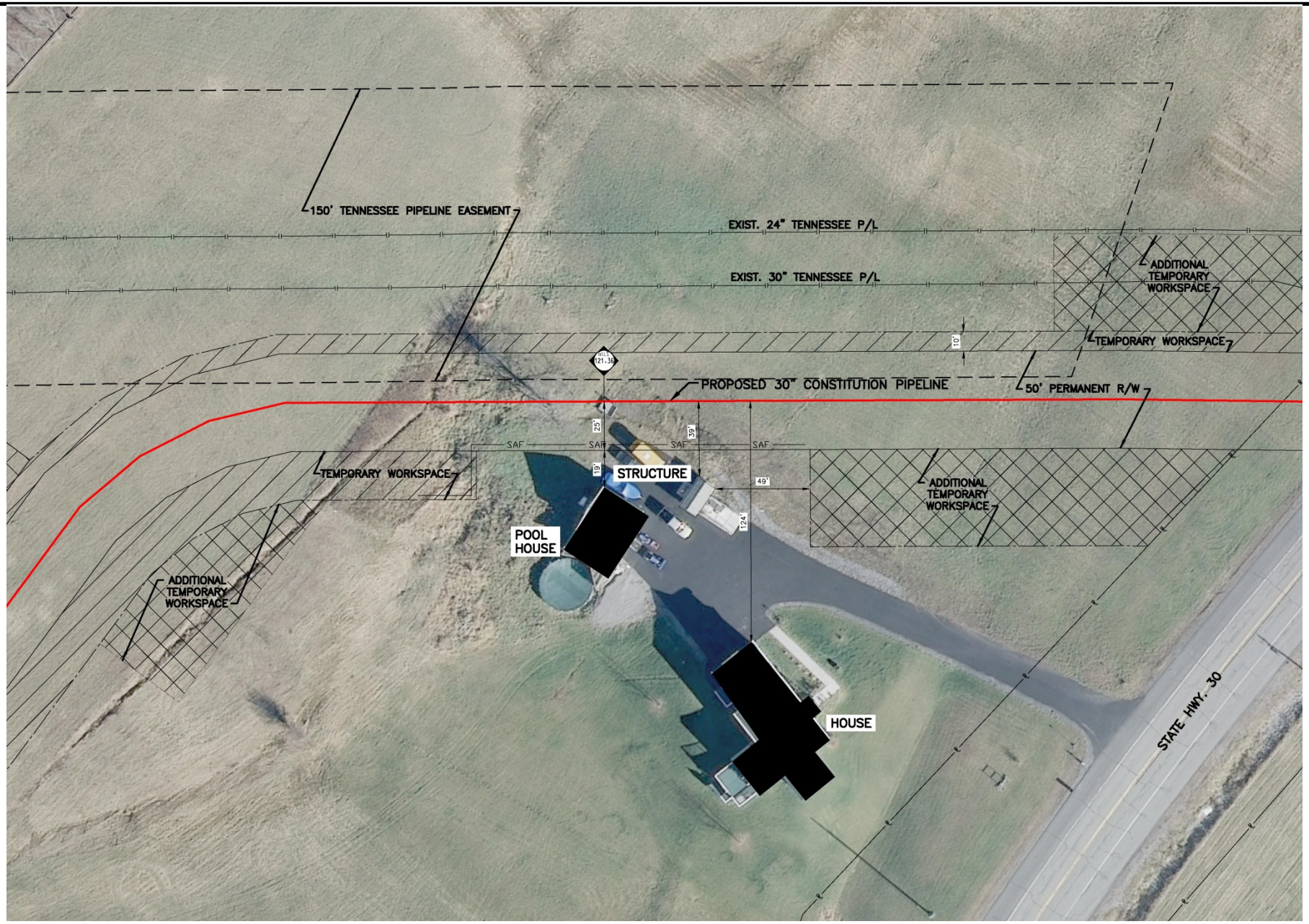
Appendix O-5



Not to Scale

Residential Construction Plan
ALT-Q-NY-SC-016.003 – MP 119.7

Appendix O-6



Not to Scale

Residential Construction Plan
ALT-Q-UA-SC-026.000 – MP 121.4

Appendix O-7

APPENDIX P

Clean and Green Program Properties Crossed by the Constitution Pipeline Project

APPENDIX P
Clean and Green Program Properties Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Crossing Length (feet)	Acres Affected													
			Upland Forest		Agricultural		Open Land		Wetland		Residential		Waterbody		Industrial/ Commercial	
			Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
Susquehanna County																
0.0	1.2	6,157	4.9	2.2	6.9	2.9	2.1	1.0	1.3	0.9	0.0	0.0	0.2	0.2	0.0	0.0
1.2	1.4	1,208	3.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	1.7	1,409	2.6	1.1	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	1.9	1,182	2.5	1.2	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	2.0	383	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	2.4	1,994	1.2	0.5	0.0	0.0	2.6	1.2	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
2.4	2.9	2,660	1.8	0.8	5.1	2.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
3.3	3.4	410	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4	3.6	862	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6	3.7	764	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.7	4.0	1,557	4.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0	4.3	1,436	1.6	0.8	2.2	0.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3	4.6	1,757	0.1	0.1	3.5	1.4	0.0	0.0	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
4.6	4.9	1,390	0.0	0.0	3.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.9	5.0	437	0.0	0.0	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	5.2	816	2.0	0.9	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.2	5.3	351	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.3	5.6	1,671	2.9	1.0	2.0	0.7	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5.6	6.1	2,720	0.4	0.1	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.4	6.5	640	1.0	0.7	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.5	6.7	1,133	0.9	0.4	0.0	0.0	1.3	0.5	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX P (continued)
Clean and Green Properties Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Crossing Length (feet)	Acres Affected													
			Upland Forest		Agricultural		Open Land		Wetland		Residential		Waterbody		Industrial/ Commercial	
			Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
6.7	7.3	2,940	1.9	0.5	5.3	2.4	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
7.3	7.5	1,496	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	7.9	1,638	0.5	0.3	3.8	1.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.9	8.3	2,107	4.7	2.1	0.1	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.4	8.8	1,837	4.2	2.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8.8	8.9	760	0.5	0.2	1.5	0.6	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8.9	9.2	1,682	0.6	0.3	2.7	1.0	0.1	0.1	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
9.2	9.6	1,620	0.7	0.4	1.9	0.7	1.3	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
9.6	9.6	49	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	10.0	664	1.3	0.6	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	10.2	967	0.7	0.3	0.0	0.0	2.0	0.6	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.0
10.2	10.3	753	0.9	0.5	0.0	0.0	0.8	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10.3	10.4	428	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.4	10.5	541	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	10.6	647	0.2	0.2	1.3	0.5	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10.6	10.7	541	0.0	0.0	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.7	10.9	817	0.0	0.0	1.4	0.6	0.0	0.0	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
10.9	11.0	514	0.0	0.0	0.7	0.2	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
11.0	11.0	302	0.1	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	11.1	729	1.3	0.5	0.0	0.0	0.1	0.0	0.4	0.3	0.0	0.0	0.1	0.1	0.0	0.0
11.1	11.2	212	0.2	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	11.3	335	0.8	0.3	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.3	11.3	229	0.2	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX P (continued)
Clean and Green Properties Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Crossing Length (feet)	Acres Affected													
			Upland Forest		Agricultural		Open Land		Wetland		Residential		Waterbody		Industrial/ Commercial	
			Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
11.3	11.5	962	2.1	1.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.5	11.7	984	1.9	1.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11.7	12.1	1,778	2.1	0.8	2.4	0.9	0.1	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
12.1	12.2	1,011	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.2	12.4	806	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	12.6	1,274	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.6	12.8	871	2.0	0.9	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12.8	13.0	1,099	2.5	1.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13.0	13.0	101	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.0	13.1	169	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.1	13.3	1,124	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	13.4	760	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.4	13.6	1,121	1.8	1.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
13.6	13.8	881	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.9	14.3	1,903	4.2	1.9	0.0	0.0	0.2	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
14.3	14.4	438	0.2	0.1	0.0	0.0	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.4	14.4	81	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.4	14.4	119	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
14.5	14.5	503	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.5	14.6	451	0.3	0.2	0.0	0.0	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.6	14.7	608	0.0	0.0	0.8	0.3	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
15.1	15.2	839	0.7	0.2	1.0	0.4	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.2	15.3	595	1.7	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX P (continued)
Clean and Green Properties Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Crossing Length (feet)	Acres Affected													
			Upland Forest		Agricultural		Open Land		Wetland		Residential		Waterbody		Industrial/ Commercial	
			Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
15.3	15.8	2,386	1.2	0.5	2.8	2.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
15.8	16.1	1,893	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.7	17.1	1,672	1.7	0.8	0.0	0.0	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1	17.3	1,426	3.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.3	17.8	2,410	5.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.8	17.8	81	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.3	18.6	2,037	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6	18.9	1,411	2.8	1.3	0.0	0.0	0.2	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
18.9	19.2	1,368	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.2	19.6	1,815	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.6	19.8	1,068	2.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.8	20.1	2,091	4.8	2.1	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
20.3	20.9	3,155	6.9	3.4	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
20.9	21.1	670	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	21.2	781	1.9	0.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.2	21.3	400	0.8	0.4	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.3	21.5	981	2.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.9	22.2	1,473	3.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	22.6	1,944	3.2	1.5	0.0	0.0	0.1	0.1	0.2	0.2	1.3	0.5	0.0	0.0	0.0	0.0
22.6	22.8	1,302	2.5	1.2	0.0	0.0	0.1	0.0	0.4	0.2	0.0	0.0	0.1	0.0	0.1	0.0
22.8	23.0	1,048	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
23.0	23.5	2,436	3.5	1.7	0.0	0.0	2.4	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.5	23.9	1,903	4.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

APPENDIX P (continued)
Clean and Green Properties Crossed by the Constitution Pipeline Project

Start Milepost	End Milepost	Crossing Length (feet)	Acres Affected													
			Upland Forest		Agricultural		Open Land		Wetland		Residential		Waterbody		Industrial/ Commercial	
			Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
23.9	24.0	844	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.0	24.2	885	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.3	24.7	1,951	4.3	1.9	0.0	0.0	0.3	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
24.7	25.2	2,790	4.9	2.1	0.0	0.0	0.1	0.1	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Acres Impacted by Land Use Category			**181.4**	**84.0**	**62.1**	**25.6**	**23.6**	**9.6**	**14.1**	**9.5**	**1.6**	**0.5**	**1.1**	**0.8**	**0.7**	**0.5**

APPENDIX Q

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