NEXUS GAS TRANSMISSION PROJECT

RESOURCE REPORT 8

Land Use, Recreation and Aesthetics

FERC Docket No. CP16-__-000

November 2015

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RESOURCE REPORT 8 – LAND USE, RECREATION, AND AESTHETICS		
	Filing Requirement	**Location in Environmental Report**
☒	Describe the width and acreage requirements of all construction and permanent rights-of-way and the acreage required for each proposed plant and operational site, including injection or withdrawal wells. *(§380.12(j)(1))*	Section 8.2.1 and Tables 8.2-2 and 8.2-6
☒	List by milepost locations where the proposed right-of-way would be adjacent to existing rights-of-way of any kind. *(§380.12(j)(1))*	Table 8.2-3
☒	Identify, preferably by diagrams, existing rights-of-way that would be used for a portion of the construction or operational right-of-way, the overlap and how much additional width would be required. *(§380.12(j)(1))*	Table 8.2-3, Appendix 1A – Volume II-B
☒	Identify the total amount of land to be purchased or leased for each aboveground facility, the amount of land that would be disturbed for construction and operation of the facility, and the use of the remaining land not required for project operation. *(§380.12(j)(1))*	Table 8.2-6 and Section 8.2-2
☒	Identify the size of typical staging areas and expanded work areas, such as those at railroad, road, and waterbody crossings, and the size and location of all pipe storage yards and access roads. *(§380.12(j)(1))*	Table 8.2-5, Table 1.6-3, and Table 1.6-4
☒	Identify, by milepost, the existing use of lands crossed by the proposed pipeline, or on or adjacent to each proposed plant and operational site. *(§380.12(j)(2))*	Table 8.2-1 and Table 8.2-6
☒	Describe planned development on land crossed or within 0.25 mile of proposed facilities, the time frame (if available) for such development, and proposed coordination to minimize impacts on land use. Planned development means development which is included in a master plan or is on file with the local planning board or county. *(§380.12(j)(3))*	Section 8.3.1 and Table 8.3-1
☒	Identify, by milepost and length of crossing, the area of direct effect of each proposed facility and operational site on sugar maple stands, orchards or nurseries, landfills, operating mines, hazardous waste sites, state wild and scenic rivers, state or local designated trails, nature preserves, game management areas, remnant prairie, old-growth forest, national or state forests, parks, golf courses, designated natural, recreational or scenic areas, or registered natural landmarks, Native American religious sites and traditional cultural properties to the extent they are known to the public at large, and reservations, lands identified under the Special Area Management Plan of the Office of Coastal Zone Management, National Oceanic and Atmospheric Administration, and lands owned or controlled by Federal or state agencies or private preservation groups. Also identify if any of those areas are located within 0.25 mile of any proposed facility. *(§380.12(j)(4))*	Section 8.4 and Tables 8.2-9, 8.4-1, and 8.4-2
☒	Identify, by milepost, all residences and buildings within 50 feet of the proposed pipeline construction right-of-way and the distance of the residence or building from the right-of-way. Provide summary drawings or alignment sheets to illustrate the location of the facilities in relation to the buildings. *(§380.12(j)(5))*	Table 8.3-2 Appendix 8C
☒	Describe any areas crossed by or within 0.25 mile of the proposed pipeline or plant and operational sites which are included in, or are designated for study for inclusion in: The National Wild and Scenic Rivers System (16 U.S.C. 1271); The National Trails System (16 U.S.C. 1241); or a wilderness area designated under the Wilderness Act (16 U.S.C. 1132). *(§380.12(j)(6))*	Section 8.4.1
☒	For facilities within a designated coastal zone management area, provide a consistency determination from the state's coastal zone management program. *(§380.12(j)(7))*	Section 8.4.4

RESOURCE REPORT 8 – LAND USE, RECREATION, AND AESTHETICS	
Filing Requirement	**Location in Environmental Report**
☒ Describe the impact the project will have on present use of the affected areas as identified above, including commercial uses, mineral resources, recreational areas, public health and safety, and the aesthetic value of the land and its features. Describe any temporary or permanent restrictions on land use resulting from the project. *(§380.12(j)(8))*	Sections 8.2.3, 8.3.3, 8.4.4, and 8.6
☒ Describe mitigation measures intended for all special use areas identified under paragraphs (j) (2) through (6) of Section 380.12. *(§380.12(j)(9))*	Sections 8.2.3, 8.3.3, 8.4.4, and 8.6
☒ Describe typical mitigation measures for each residence that is within 50 feet of the edge of the pipeline construction right-of-way, as well as any proposed residence-specific mitigation. Describe how residential property, including for example, fences, driveways, stone walls, sidewalks, water supply, and septic systems, would be restored. Describe compensation plans for temporary and permanent rights-of-way and the eminent domain process for the affected areas. *(§380.12(j)(10))*	Section 8.3.3
☒ Describe the measures proposed to mitigate the aesthetic impact of the facilities especially for aboveground facilities such as compressor or meter stations. *(§380.12(j)(11))*	Section 8.6
☒ Demonstrate that applications for rights-of-way or other proposed land use have been or soon will be filed with Federal land management agencies with jurisdiction over land that would be affected by the project. *(§380.12(j)(12))*	Section 8.7

RESPONSE TO FERC JULY 30, 2015 COMMENTS ON
NEXUS RESOURCE REPORT 8 – LAND USE, RECREATION AND AESTHETICS

FERC COMMENTS ON DRAFT RESOURCE REPORT 8	LOCATION OR RESPONSE TO COMMENT
88. Provide in RR 8 site-specific residential construction plans for each resident within 50 feet of the construction work area.	Individual Residential Construction Plans are provided in Appendix 8C.
89. Provide a description of any landowner complaint resolution procedures that would be used to inform landowners of the status of construction on their property, provide contacts for questions or concerns and a timeframe for responding to concerns raised, and information on FERC's dispute resolution services.	The Issue Resolution Plan for the NEXUS Project is provided in Appendix 8D.
90. Update table 8.2-3 to identify the offset of the proposed pipeline centerline from the adjacent existing pipeline, electric transmission line, road, or railroad centerline; the amount of overlap onto the existing right-of-way that would be used for construction and operation; and how much additional right-of-way would be required that does not overlap.	Table 8.2-3 has been updated to include the requested information.
91. Section 8.2.1.1 states that "permanent conversion of existing crop lands to a different land use is not anticipated;" however, table 8.2-9 includes acreages of operational impacts to numerous peach, apple, cherry, walnut, chestnut, and Christmas tree crops. Revise the statement and provide an analysis of impacts resulting from permanent conversion of tree crops to cleared right-of-way.	Section 8.2.1 has been updated to include impacts resulting from permanent conversion of tree and shrub crops to maintained pipeline right-of-way. This text now matches the impacts presented in Table 8.2-9.
92. Section 8.2.1.1 states "vegetation within the entire width of the permanent easement will be maintained in an herbaceous state;" however, this is not consistent with statements in section 3.4.2 that indicate "a corridor centered over the pipeline up to 10 feet wide may be mowed annually" and "in wetlands, vegetation maintenance over the full width of the permanent right-of-way is prohibited" and in wetlands that "trees and shrubs that become established beyond 15 feet on either side of the pipeline will not be disturbed." Clarify the discrepancy.	In upland areas, the vegetation will be maintained in an herbaceous state along the entire width of the permanent easement. In wetlands and within a 25-foot wide riparian strip, a corridor up to 10 feet wide centered on the pipeline may be cleared at a frequency necessary to maintain the 10-foot corridor in an herbaceous state. Trees located within 15 feet of the pipeline that have roots that could compromise the integrity of the pipeline coating may be cut and removed from the permanent ROW. A complete description of routine ROW maintenance procedures in uplands, wetlands, and riparian areas is provided in the NEXUS Project E&SCP located in Appendix 1B1 of Resource Report 1. Section 8.2.1.1 has been updated to include this information.
93. Provide plans, as appropriate for crossing:	
a. organic farms (i.e., any refueling restrictions, equipment cleaning requirements, soil testing, etc.); and	Site-specific crossing plans for the two organic farms crossed by the NEXUS Project are included in Appendix 8E. Section 8.2.3.2 has been updated with specific crossing requirements for organic farms.

RESPONSE TO FERC JULY 30, 2015 COMMENTS ON
NEXUS RESOURCE REPORT 8 – LAND USE, RECREATION AND AESTHETICS

FERC COMMENTS ON DRAFT RESOURCE REPORT 8	LOCATION OR RESPONSE TO COMMENT
b. parks, camps and trails (i.e., time of year restrictions, notification prior to crossing, park/camp/trail user safety and notification, maintaining access or detours for trails, identification of tree removal, revegetation, view shed discussions, HDD workspaces, noise mitigation, etc.). Develop these plans in consultation with the managing entity and provide copies of all correspondence and finalized plans.	Section 8.4 has been updated with specific crossing details for public lands and recreational trails. Site-specific crossing plans are also provided for select recreational trails and can be found in Appendix 8E.
94. Update table 8.2-5 to provide a more detailed explanation for each ATWS where "constructability" is identified as the justification for the ATWS. For example, cite "full right-of-way topsoil segregation" or "cut-and-fill side-slope construction" as the constructability issue driving the need for ATWS.	Table 8.2-5 has been updated to include the requested information.
95. Indicate in Section 8.2.3.2 or NEXUS' Drainage Tile Mitigation Plan whether NEXUS plans to engage local agricultural monitors and qualified drain tile specialists from the Project area to repair drain tile damaged by construction.	The NEXUS Drain Tile Mitigation Plan is included as Appendix 1B4 to Resource Report 1. The NEXUS Drain Tile Mitigation Plan includes information on agricultural monitors and qualified drain tile specialists.
96. Update table 8.2-11 to identify the number of lanes, surface width, road permitting agency, and agency classification of each road.	The requested information has been added to Table 8.2-11.
97. In section 8.4.4:	Section 8.4.4 has been updated to include the responses to FERC Comment No. 97 (a – c) below.
a. provide a more complete definition of the specific location of the Sandusky River crossing within the coastal zone management area(s);	The NEXUS Project pipeline will cross a portion of the Lake Erie Coastal Zone Management Area from MP 144.5 – MP 146.2 where it encompasses the Sandusky River in Sandusky County, Ohio (*see* Figure 8.4-2). NEXUS is proposing to install the pipeline beneath the Sandusky River by using the horizontal directional drill (HDD) crossing method from MP 145.7 to MP 146.1; therefore, only a small segment (i.e., from MP 144.5 to 145.7 and 146.1 to 146.2) of the crossing within the Coastal Zone Management Area would involve ground disturbing activities.
b. describe the facilities that intersect the coastal zone management areas (e.g., pipeline, gas turbines, meter stations, launcher/receiver facilities); and	Other than the NEXUS Project pipeline, no other aboveground facilities are proposed within the Lake Erie Coastal Zone Management Area.
c. explain the area of direct effects for each proposed facility, identify whether impacts would be incurred, and determine whether they would be permanent or temporary impacts.	Following construction, the entire pipeline ROW will be restored in accordance with the NEXUS Project E&SCP (Resource Report 1, Appendix 1B1) and a 50-foot wide permanent ROW will be maintained by NEXUS. Temporary workspaces used during construction will be seeded and allowed to

RESPONSE TO FERC JULY 30, 2015 COMMENTS ON
NEXUS RESOURCE REPORT 8 – LAND USE, RECREATION AND AESTHETICS

FERC COMMENTS ON DRAFT RESOURCE REPORT 8	LOCATION OR RESPONSE TO COMMENT
	revegetate with no further maintenance or disturbance associated with pipeline operations.
98. Include a table in RR 8 that provides average daily traffic counts on the roads to be used as travel routes during construction.	Table 8.2-12 includes average daily traffic counts on the roads to be used as travel routes during construction.
99. Include the designated National Oceanographic and Atmospheric Administration (NOAA) Coastal Zone Management Areas on the Land Use Mapping Set in RR 8, or provide separate map(s).	NOAA's Coastal Zone Management Area is shown in relation to the NEXUS Project on Figure 8.4-2.

ACRONYMS AND ABBREVIATIONS

ATWS	additional temporary workspace
CREP	Conservation Reserve Enhancement Program
CRP	Conservation Reserve Program
DTE or DTE Energy	DTE Energy Company
DTMP	Drain Tile Mitigation Plan
EDR	Environmental Data Resources, Inc.
E&SCP	Erosion and Sediment Control Plan
FERC or Commission	Federal Energy Regulatory Commission
FERC Plan	Upland Erosion Control, Revegetation, and Maintenance Plan
FERC Procedures	Wetland and Waterbody Construction and Mitigation Procedure
FRPP	Farm and Ranchland Protection Program
FSA	Farm Service Agency
GRP	Grasslands Reserve Program
HDD	horizontal directional drill
INGAA	Interstate Natural Gas Association of America
Lake Erie CZMA	Lake Erie Coastal Zone Management Area
MLV	mainline valve
MP	milepost
M&R	metering and regulating
NEXUS	NEXUS Gas Transmission, LLC
NEXUS Project or Project	NEXUS Gas Transmission Project
NHA	National Heritage Area
NOAA	National Oceanic and Atmospheric Administration
NOP	National Organic Program
NPS	National Park Service
NRCS	Natural Resources Conservation Service
ODNR	Ohio Department of Natural Resources
ODOT	Ohio Department of Transportation
OEFFA	Ohio Ecological Food and Farm Association
ROW	right-of-way
Spectra or Spectra Energy	Spectra Energy Partners, LP
TGP	Tennessee Gas Pipeline
TWS	temporary construction workspace
U.S.	United States
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
WRP	Wetland Reserve Program
YMCA	Young Mens Christian Association

8.0 RESOURCE REPORT 8 – LAND USE, RECREATION, AND AESTHETICS

8.1 Introduction

NEXUS Gas Transmission, LLC ("NEXUS") is seeking a Certificate of Public Convenience and Necessity from the Federal Energy Regulatory Commission ("FERC") pursuant to Section 7(c) of the Natural Gas Act authorizing the construction and operation of the NEXUS Gas Transmission Project ("NEXUS Project" or "Project"). NEXUS is owned by affiliates of Spectra Energy Partners, LP ("Spectra" or "Spectra Energy") and DTE Energy Company ("DTE" or "DTE Energy"). The NEXUS Project will utilize greenfield pipeline construction and capacity of third party pipelines to provide for the seamless transportation of 1.5 million dekatherms per day of Appalachian Basin shale gas, including Utica and Marcellus shale gas production, directly to consuming markets in northern Ohio and southeastern Michigan, and to the Dawn Hub in Ontario, Canada. Through interconnections with existing pipelines, supply from the NEXUS Project will also be able to reach the Chicago Hub in Illinois and other Midwestern markets. The United States ("U.S.") portion of the NEXUS Project includes new greenfield pipeline in Ohio and Michigan and capacity leased from others in Pennsylvania, West Virginia, Ohio and Michigan, terminating at the U.S./Canada international boundary between Michigan and Ontario. The Canadian portion of the Project will extend from the U.S./Canada international boundary to the Dawn Hub.

A more detailed description of the Project is set forth in Resource Report 1.

This Resource Report 8 addresses temporary and permanent land use effects associated with proposed Project facilities. A checklist showing the status of the FERC filing requirements for Resource Report 8 is included following the Table of Contents. A table showing the location of responses to the FERC's July 30, 2015 comments on draft Resource Report 8 follows the FERC filing requirements checklist. Project drawings, maps, and aerial photo based alignment sheets are provided in Appendix 1A in Resource Report 1 (bound separately in Volume II-B).

The construction, mitigation, and restoration measures to be implemented to avoid or minimize effects to existing land use are described in the NEXUS Project *Erosion and Sediment Control Plan* ("E&SCP") located in Appendix 1B1 of Resource Report 1. The NEXUS Project E&SCP is consistent with the FERC's *Upland Erosion Control, Revegetation, and Maintenance Plan* (May 2013 version) ("FERC Plan") and *Wetland and Waterbody Construction and Mitigation Procedures* (May 2013 version) ("FERC Procedures"). NEXUS will strive to minimize or limit the amount, duration, and extent of construction-related effects.

8.2 Existing Land Uses in the Project Area

Land use classification in the Project area was completed using information gathered and observations made from field surveys, discussions with landowners, and through interpretation of recent (2015) high quality aerial photographs and LiDAR imagery. Land use types within the Project area are herein classified into the following six classifications based on predominant land uses:

- Open Land: Utility right-of-ways ("ROWs"), open fields, vacant land, pasture, herbaceous and scrub-shrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf courses, and open land portions of municipal, county, state, and federal lands and recreational areas;
- Agricultural: active hayfields, cultivated land, and specialty crops;
- Forest/Woodland: upland and wetland forest;
- Industrial/Commercial: manufacturing or industrial plants, paved areas, auto salvage and scrap yards, quarries, electric power or natural gas utility facilities, developed areas such as airport runways, roads, railroads and railroad yards, and commercial or retail facilities;

- Residential: existing developed residential areas and planned residential developments. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, and residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment; and
- Open Water: water crossings greater than 100 feet wide and streams visible on aerial photography but less than 100 feet in width.

Pipeline waterbody crossings greater than 100 feet wide are discussed in detail in Resource Report 2 and are listed in Table 2.3-2.

Land use types identified along the NEXUS Project pipeline facilities are shown on figures in Appendix 8A. Land use types identified at the NEXUS Compressor Station Sites are shown on figures in Appendix 8B.

8.2.1 Pipeline Facilities

8.2.1.1 Temporary Workspace and Permanent Right-of-Way

The NEXUS Project will require a nominal 100-foot wide construction ROW. The proposed 100-foot wide construction ROW is consistent with the Interstate Natural Gas Association of America ("INGAA") baseline width based on a pipeline diameter of 36 inches. INGAA recommends use of these baseline widths while recognizing the need to increase or decrease baseline widths for special conditions (Gulf Interstate Engineering 1999). Within wetlands, the construction ROW is reduced to 75 feet wide, which conforms to the FERC Procedures (FERC, 2013).

New ROW

The creation of new ROW is required for segments of the Project pipeline route that cannot be located adjacent or parallel to existing ROWs. In these areas, the nominal ROW width will be 100 feet wide, which includes the 50-foot wide permanent easement. Generally, the construction working side of the ROW will be 60 feet wide (35 feet in wetlands) from the center of the ditch to accommodate trench excavation, trench bank sloping, topsoil segregation and safe equipment mobility. The non-working or trench spoil side of the construction ROW will be 40 feet wide from the center of the ditch and will be used to store spoil (i.e., soil) and rock removed from the trench during excavation. This does not include additional temporary workspace ("ATWS") necessary for site-specific construction needs.

Pipeline Adjacent to Powerline ROWs

In areas where the proposed pipeline is parallel and adjacent to an existing electric transmission line, the NEXUS pipeline permanent easement generally abuts the transmission line easement/ROW, where practicable, so as to not create an unoccupied strip of land between the NEXUS permanent easement and the electrical transmission line easement/ROW. By doing so, portions of the NEXUS pipeline temporary construction workspace ("TWS") may overlap the electrical line easement/ROW to minimize impacts. As a result, when parallel to a transmission line, the Project takes advantage of existing clearing beyond the offset from the nearest conductor but in any case does not create an additional ROW edge. In these areas, the construction ROW width will be the nominal 100 feet, which includes the permanent easement. See Appendix 1A of Resource Report 1 for typical ROW configurations depicting the proposed temporary construction workspace and permanent ROW when NEXUS is co-located with other utilities.

Additional details regarding the construction and permanent ROWs and workspaces are addressed in Resource Report 1.

New permanent effects on land use will be relatively minor because only approximately 34 percent of the total area disturbed during construction will remain in permanent easements during operations. Following construction, the approximately 66 percent of land temporarily affected by construction activities will be

restored, as near as possible, to pre-construction contours and re-vegetated in accordance with the FERC Plan and the FERC Procedures.

Upland vegetation within the entire width of the permanent easement will be maintained in an herbaceous state to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11. Routine vegetation mowing or clearing will not occur over the full width of the permanent easement in wetlands or riparian areas. A complete description of routine ROW maintenance procedures in uplands, wetlands, and riparian areas is provided in the NEXUS Project E&SCP located in Appendix 1B1 of Resource Report 1. Most land uses, except forest habitat and tree crop land located over the permanent easement, will be allowed to revert to pre-construction uses following construction. Tree clearing and vegetation maintenance within the permanent easement will result in the conversion of forested upland to open land within forested upland portions of the permanent easement and the permanent conversion of forested wetland to emergent/scrub-shrub wetland where the permanent easement crosses forested wetlands. Forested areas affected within the temporary construction workspace will be allowed to revert to forest habitats following construction. Crop production, except fruit and Christmas trees, will be allowed to continue in agricultural areas in the permanent easement; tree and shrub crops affected within the temporary construction workspace may be replanted with the affected crops, per agreements with the landowners.

Pipeline ROW workspace configurations and dimensions are depicted in typical ROW configuration drawings provided in Appendix 1A to Resource Report 1 and are shown on the alignment sheets in Appendix 1A (bound separately in Volume II-B). Table 8.2-1 and Table 8.2-2 identify land uses to be crossed by the Project (including percent of total Project) and acreage to be impacted by the Project by land use type during construction and operation of the pipeline, respectively.

8.2.1.2 Existing Rights-of-Way

Table 8.2-3 summarizes the types of existing ROWs co-located with or located adjacent to the Project and quantifies the amount of workspace overlapping existing ROWs. Co-location includes areas where workspace is located within existing utility ROWs through paralleled lengths, or where an adjacent utility ROW is paralleled with no overlap. Table 8.2-3 also identifies the offset of the proposed pipeline centerline from adjacent existing pipelines, electric transmission lines, road, or railroad centerlines; the amount of overlap onto the existing ROW that would be used for construction and operation; and how much additional ROW would be required that does not overlap. Table 8.2-4 identifies specific locations where the NEXUS Project crosses existing utility ROWs. Where co-location with existing electric utility easements is proposed, it is the intent of NEXUS to design the workspace such that the permanent easement for the NEXUS pipeline will be located immediately adjacent to the existing easement of the existing utility, where feasible. The Project has been designed to accommodate requirements of the existing utilities crossed by the NEXUS Project.

8.2.1.3 Additional Temporary Workspace

In addition to the typical construction ROW, ATWS will be required to facilitate construction at road, railroad, utility, wetland, and waterbody crossings as well as for areas requiring specialized construction techniques such as steep side slopes, bedrock outcrops, and horizontal directional drills ("HDD"). A list of ATWS areas for the Project is presented in Table 8.2-5. NEXUS has also identified areas where a 50-foot setback from a wetland or waterbody cannot be maintained for ATWS areas and is requesting deviations from Section VI.B.1.a of the FERC Procedures for these areas (FERC, 2013). The deviation requests are included in Table 2.3-12 of Resource Report 2. ATWS areas within 50 feet of a wetland or waterbody are identified in Table 8.2-5. ATWS areas are also depicted on the Project alignment sheets in Appendix 1A, located in Volume II-B of Resource Report 1.

8.2.1.4 Access Roads

In order to minimize impacts to land, existing public and private road crossings along the Project pipeline route will be used, to the extent practicable, as the primary means of accessing the Project ROW. NEXUS will also use existing public and private roads to the extent practicable to access the aboveground facilities. Temporary access roads will be restored to their preconstruction condition. NEXUS will require permanent access roads for the life of the pipeline to access permanent facilities such as compressor stations, mainline valves ("MLV"), metring and regulating ("M&R") stations, and cathodic protection sites. Generally, access roads will be up to 25 feet wide to accommodate vegetation clearing setbacks, pull offs, and road shoulder/stormwater management features. Access roads identified and designated for temporary and/or permanent use during construction and operation of the Project are listed in Table 1.6-3 in Resource Report 1 according the nearest milepost where the access road intersects the construction and operational ROW. The access road locations are depicted both on the Project alignment sheets (where they occur within the limit of the aerial photography) and on the U.S. Geological Survey ("USGS") topographic map excerpts (see Appendix 1A - Volume II-B of Resource Report 1).

The majority of the existing access roads proposed for use will require minor improvements (tree trimming, addition of gravel, back blading, etc.) to allow for passage of construction vehicles. Existing access roads are generally built on fill materials and have previously been developed for other uses. Table 1.6-3 in Resource Report 1 provides a summary of the temporary and permanent access roads proposed for use during construction of the NEXUS Project along with the approximate dimensions and identification of necessary improvements.

Wetland and waterbody field surveys have been performed in the vicinity of temporary and permanent access roads. It is the intention of NEXUS to avoid permanent wetland impacts associated with the creation of, or upgrade to, access roads. Information on wetland and waterbody effects from access roads are included in Resource Report 2.

8.2.1.5 Pipe/Contractor Ware Yards and Staging/Storage Areas

NEXUS has identified eight contractor ware yards for use during construction of the Project. The proposed contractor ware yard locations are included in Table 1.6-4 in Resource Report 1. The contractor ware yards will be used for equipment, pipe, and material storage, as well as temporary field offices and pipe preparation/field assembly areas. Seven of the contractor ware yards consist of previously disturbed areas and are mainly comprised of agricultural land. One of the proposed yards is comprised of forest or woodland. Upon completion of the Project, these pipe/contractor ware yards and staging/storage areas will be restored or allowed to regenerate to preconstruction conditions.

Wetland and waterbody field surveys have been completed for pipe/contractor ware yards and staging/storage areas. NEXUS will avoid and minimize impacts to wetland and waterbodies to the extent practicable when using these sites. Information on waterbody effects from contractor ware yards are included in Resource Report 2.

8.2.2 Aboveground and Pipeline Appurtenant Facilities

The existing land use at each proposed site, and within 0.25-mile of each proposed compressor and M&R station site, is provided in Table 8.2-6. The land requirements for construction and operation of the compressor stations and M&R stations are included in Table 8.2-7. Where aboveground facility access roads extend beyond station boundaries, access road effects are included in Table 1.6-3 of Resource Report 1. Property ownership for the compressor station and M&R station sites described below will be owned by NEXUS unless noted otherwise (*see* Table 8.2-6). Property ownership for Project appurtenant facilities which are located outside of other Project aboveground facilities will be on permanent easements obtained by NEXUS. Site plans for the proposed compressor stations showing the limits of the proposed permanent

operations area and temporary construction workspace are provided in Appendix 1A of Resource Report 1, (Volume IV filed as Critical Energy Infrastructure Information).

8.2.2.1 Compressor Stations

Hanoverton Compressor Station

Hanoverton Compressor Station (Compressor Station 1) is proposed in the Town of Hanover, Columbiana County, Ohio at approximate milepost ("MP") 1.4 on the mainline pipeline. The land requirement for construction of the Hanoverton Compressor Station is approximately 96.2 acres including the permanent operations area and the temporary construction ROW. Construction of the Hanoverton Compressor Station will require operational land area of 23.9 acres which will be entirely within the parcel of land owned by NEXUS. The parcel includes an existing electric transmission line ROW easement. The dominant existing land use type within the property is agricultural land. A portion of the property also includes open land and forest/woodland. Impacts to forest have been minimized to the extent practicable; a small area of forest (approximately 0.2 acres) will be cleared along the northwestern portion of the construction ROW. Operation of the Hanoverton Compressor Station will require permanent conversion of primarily agricultural land, and a small amount of open land, to industrial/commercial land use. Operation and construction of the Hanoverton Compressor Station will not result in impacts to wetlands or waterbodies. Wetland and waterbody field surveys have been completed at the Hanoverton Compressor Station. Wetlands and streams are located within the compressor station parcel but none of these resources will be impacted by construction or operation of the Hanoverton Compressor Station. Additional information on wetlands is included in Resource Report 2.

NEXUS will construct a private road from State Route 644 to provide access to the compressor station facility. The permanent access road will extend beyond the 23.9-acre area proposed for operations of the compressor station.

Wadsworth Compressor Station

Wadsworth Compressor Station (Compressor Station 2) is proposed in the Town of Guilford, Medina County, Ohio at approximate MP 63.5 on the mainline pipeline. The land requirement for construction of the Wadsworth Compressor Station is approximately 64.0 acres including the permanent operations area and the temporary construction ROW. Construction of the Wadsworth Compressor Station will require operational land area of 19.8 acres which will be entirely within the parcel of land owned by NEXUS. The parcel does not include existing utilities or pipeline ROW easements. The dominant existing land use type within the property is agricultural land. A portion of the property also includes residential structures (that will be purchased and abandoned prior to construction and operations of the Project) and open land. No tree clearing will occur at the Wadsworth Compressor Station. Operation of the Wadsworth Compressor Station will require permanent conversion of agricultural land to industrial/commercial land. Wetland and waterbody field surveys have been completed at the Wadsworth Compressor Station. Wetlands are located within the parcel but the layout of the Wadsworth Compressor Station and proposed construction workspaces were designed to avoid impacting these resources. Additional information on wetlands is included in Resource Report 2.

NEXUS will construct a private road from Guilford Road to provide access to the compressor station facility. The permanent access road will extend beyond the 19.8-acre permanent operations area for this compressor station.

Clyde Compressor Station

Clyde Compressor Station (Compressor Station 3) is proposed in the Town of Townsend, Sandusky County, Ohio at approximate MP 134.0 on the mainline pipeline. The land requirement for construction of the Clyde Compressor Station is approximately 60.7 acres including the permanent operations area and the temporary construction ROW. Construction of the Clyde Compressor Station will require operational land

area of 48.1 acres which will be entirely within the parcel of land owned by NEXUS. The parcel does not include an existing utility or pipeline ROW easements. The dominant existing land use type within the property is agricultural land. The site also contains a small amount of industrial/commercial and open land. Operation of the Clyde Compressor Station will require permanent conversion of agricultural and open land to industrial/commercial land. Construction and operation of the Clyde Compressor Station will not result in any impacts to forest/woodland. Wetland and waterbody field surveys have been completed at the Clyde Compressor Station and no wetlands or waterbodies were identified within the compressor station site.

NEXUS will construct a private road from County Road 294 to provide access to the compressor station facility. The permanent access road will be located within the 48.1-acre permanent operations area for this compressor station.

Waterville Compressor Station

Waterville Compressor Station (Compressor Station 4) is proposed in Waterville, Lucas County, Ohio at approximate MP 183.5 on the mainline pipeline. The land requirement for construction of the Waterville Compressor Station is approximately 37.7 acres including the permanent operations area and the temporary construction ROW. Construction of the Waterville Compressor Station will require operational land area of 34.1 acres which will be entirely within the parcels of land owned by NEXUS. The parcels do not include any existing utility or pipeline ROW easements. The dominant existing land use type within the site is agricultural land. The site also contains a small amount of open land and industrial/commercial land. Operation of the Waterville Compressor Station will require permanent conversion of agricultural land to industrial/commercial land use. Construction and operation of the Waterville Compressor Station will not result in any impacts to forest/woodland. Wetland and waterbody field surveys were completed at the Waterville Compressor Station and no wetlands or waterbodies will be impacted as the result of construction or operations of the compressor station at this site.

NEXUS will construct a private road from Moosman Drive to provide access to the compressor station facility. The permanent access road will extend beyond the 34.1-acre permanent operations area for this compressor station.

8.2.2.2 Metering and Regulating Stations

Tennessee Gas Pipeline ("TGP") M&R Receipt Station

The TGP M&R Receipt Station (MR01) will be located in Columbiana County, Ohio at TGP interconnecting pipeline MP 0.0. The land requirement for construction of the TGP M&R Receipt Station is approximately 10.4 acres including the permanent operations area and the temporary construction ROW. Construction of the TGP M&R Receipt Station will require operational land area of 2.0 acres which will be entirely within the parcel of land owned by NEXUS. The parcel contains five existing foreign pipeline easements. The dominant existing land use type within the meter station site is agricultural land. The site also contains a small amount of open land and industrial/commercial land. Operations of the TGP M&R Receipt Station will require permanent conversion of agricultural land to industrial/commercial land. The parcel also includes forest/woodland, but no forest land will be impacted by construction or operation of the meter station. Wetland and waterbody field surveys were completed for the MR01 site and the station has been designed to avoid permanent and temporary wetland and waterbody impacts.

NEXUS will construct a private road from McKaig Road to provide access to the TGP M&R Receipt Station. The permanent access road will extend beyond the 2.0-acre operations area for the M&R station; the access road will be located adjacent to the TGP interconnecting pipeline permanent easement.

Kensington M&R Receipt Station and Texas Eastern M&R Receipt Station

The Kensington M&R Receipt Station (MR02) will be located at the tie in of the NEXUS mainline pipeline at MP 0.0 to the Kensington Processing Plant in Columbiana County, Ohio. The Texas Eastern M&R

Receipt Station (MR03) will be located to the east of the Kensington M&R Receipt Station and is located at the tie-in with the Texas Eastern mainline extension in Columbiana County, Ohio at TGP interconnecting pipeline MP 0.9. The land requirement for construction of the Kensington and Texas Eastern M&R Receipt Stations is approximately 10.4 acres including the permanent operations area and the temporary construction ROW. Construction of these M&R stations will require an operational land area of 4.3 acres which will be entirely within the parcel of land owned by NEXUS. The M&R sites contain no existing utility or pipeline ROW easements. The dominant land use type within these meter station sites is agricultural land. The sites also contain a small amount of forest/woodland and industrial/commercial land. Operation of these M&R stations will require permanent conversion of agricultural land to industrial/commercial land. Impacts to forest have been minimized to the extent practicable; a small area of forest (approximately 0.1 acres) will be cleared along the southwestern corner of the construction ROW. Wetland and waterbody field surveys were completed for these proposed M&R station sites and no temporary or permanent wetland or waterbody impacts would result from construction or operations of the M&R stations at this site.

NEXUS will construct a private road from Tunnel Hill Road to provide access to the Kensington and Texas Eastern M&R Receipt Stations. The permanent access road will extend beyond the 4.3-acre operations area for M&R stations MR02 and MR03.

Dominion East Ohio M&R Delivery Station

The Dominion East Ohio M&R Delivery Station (MR05) will be located at the tie in of the NEXUS mainline pipeline at MP 128.8 to the Dominion East Ohio Gas delivery point in Erie County, Ohio. The land requirement for construction of the Dominion East Ohio M&R Delivery Station is approximately 8.8 acres including the permanent operations area and the temporary construction ROW. Construction of the Dominion East Ohio M&R Delivery Station will require operational land area of 1.9 acres which will be entirely within the parcel of land owned by NEXUS. The parcel does not contain any existing foreign pipeline easements. The dominant existing land use type within this meter station site is agricultural land. Operation of the Dominion East Ohio M&R Delivery Station will require permanent conversion of agricultural land to industrial/commercial land. The parcel also includes a small amount of forest/woodland which will be cleared on the southeastern corner of the site for construction of the site. Wetland and waterbody field surveys were completed within the Dominion East Ohio M&R Delivery Station Site and no temporary or permanent wetland or waterbody impacts would result from construction or operations of the M&R station at this site.

NEXUS will construct a private road from Billings Road to provide access to the Dominion East Ohio M&R Delivery Station. The permanent access road will extend beyond the 1.9-acre area affected during operation of the M&R station.

Willow Run M&R Delivery Station

The Willow Run M&R Delivery Station (MR04) will be located at the greenfield Project terminus in Washtenaw County, Michigan at MP 255.2. The land requirement for construction of the Willow Run M&R Delivery Station is 1.0 acres including the permanent operations area and the temporary construction ROW. Construction of this M&R station will require operational land area of 0.7 acres which will be entirely within the parcel of land under easement by NEXUS. The dominant land use type within the Willow Run M&R Delivery Station is industrial/commercial land. The site also contains open land. Operation of this M&R station will require permanent conversion of open land to industrial/commercial land. Construction and operation of these meter stations will not impact any forested land. Wetland and waterbody field surveys have been completed at this meter station site. The temporary construction workspace for MR04 station will impact approximately 0.13 acres of previously disturbed emergent wetland. There will be no permanent wetland or waterbody impacts associated with the operation of this M&R station.

NEXUS will improve an existing private road from Rawsonville Road to provide access to the Willow Run M&R Delivery Station. The permanent access road extends beyond the 0.7-acre permanent operations area for this M&R station.

8.2.2.3 Pipeline Appurtenant Facilities

Pig launcher and receiver facilities are proposed at Wadsworth Compressor Station in Medina County, Ohio; and at Waterville Compressor Station in Lucas County, Ohio. One (1) launcher facility is proposed at the TGP interconnecting pipeline at the tie-in to the TGP mainline (MR01); one (1) launcher facility is proposed at the Kensington M&R Station (MR02); one (1) receiver facility is proposed at the Texas Eastern M&R Station (MR03); and one (1) receiver facility is proposed at the Willow Run M&R Station (MR04).

The pig launcher/receiver sites will be located within the limits of the compressor and M&R station facilities. Pig receivers will be installed at the downstream terminus of each pipeline segment. The launcher and receiver facilities will consist of discrete aboveground enclosures installed within the operational area of the compressor station and M&R station sites. Land use effects associated with these facilities are included within those associated with the applicable aboveground facility. The location of the pig launcher/receiver sites are shown on the compressor station and M&R Station plot plans provided in Appendix 1A of Resource Report 1.

Seventeen MLVs are proposed to be constructed and operated as part of the NEXUS Project. Each MLV site will encompass a fenced-in area of approximately 50 by 40 feet (approximately 0.05 acre). All MLVs will have blow down capabilities, and MLVs located in close proximity to an electric transmission line will be equipped with remote blow down capabilities as needed. Land use effects associated with the MLV sites, where not located within a compressor or M&R station site, are included within the mainline impacts in Tables 8.2-1 and 8.2-2. Operation of the MLVs will require permanent conversion of forest/woodland, open land, and agricultural land to industrial/commercial land. The locations of the MLVs are shown on the USGS Quadrangle excerpts and Project alignment sheets in Appendix 1A of Resource Report 1. Land use effects associated with access roads for MLVs are included in Table 1.6-3 of Resource Report 1.

8.2.3 Land Use Effects and Mitigation

The primary Project-related effects on existing land uses will be associated with vegetation clearing during construction and are detailed in Resource Report 1. To ensure operational safety and allow for routine maintenance of the facilities subsequent to construction, no structures will be allowed within the 50-foot permanent easement. Additionally, trees will not be allowed to grow within the 50-foot permanent easement in upland areas. In wetlands, vegetation maintenance over the full width of the permanent ROW is prohibited pursuant to the FERC Procedures. During operations of the Project the area centered over the pipeline will be maintained within wetlands with vegetation in an early successional stage (primarily herbaceous) in accordance with the FERC Procedures. In forested wetlands, tree clearing will be limited to selectively clearing trees within 15 feet of the pipeline with roots that could compromise the integrity of the pipeline coating. Trees and shrubs that become reestablished beyond 15 feet (on both sides of the pipeline) will not be cut unless they present a safety hazard. Land used for temporary construction workspace (TWS and ATWS) will be allowed to revert to preconstruction land uses.

The following sections provide a brief discussion of the effects associated with the Project and mitigation measures associated with the various land use types to be crossed by the Project. The amount of each land use type affected by the Project was determined through review of recent aerial photography; LiDAR imagery; and from observations made during field surveys performed in 2014 and 2015. For land use in locations where survey access has not been granted, NEXUS utilized current aerial photography and LiDAR imagery to determine effected land use.

8.2.3.1 Open Land

Open land is defined as utility ROWs, open fields, pasture, vacant land, herbaceous and scrub-shrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf courses, and open land portions of municipal, county, state, and federal lands. Tables 8.2-1 and 8.2-2 list the linear distance of open land to be crossed and acreage to be impacted during construction of the pipeline, respectively. Effects on open land will be temporary, and disturbed areas will be restored in accordance with the NEXUS Project E&SCP (Appendix 1B1 of Resource Report 1), the FERC Plan and FERC Procedures, and any specific requirements of applicable construction stormwater and land disturbance permits and regulations, and allowed to revert to preconstruction conditions during permanent operation of the Project facilities.

8.2.3.2 Agricultural Land

Tables 8.2-1 and 8.2-2 list the linear distance of agricultural land to be crossed and land acreage to be impacted during construction and operation of the pipeline, respectively. Agricultural land in the Project area is used predominantly for row crops (corn, soybeans, wheat, and winter wheat) and hay crops. Specialty crops crossed by the Project include alfalfa, oats, rye, spelt, clover, assorted vegetables, strawberries, tomatoes, elderberry, fruit trees, Christmas trees, sunflowers and apiaries used for producing honey.

NEXUS is in communications with landowners and is obtaining site specific information on agricultural practices in the Project area and will continue to coordinate with the applicable agencies and landowners through construction of the Project. Based on a GIS layer received from the Ohio Department of Agriculture, no easements purchased by the Ohio Department of Agriculture will be crossed by the Project. The Local Agricultural Easement Purchase Program buys agricultural easements from landowners who volunteer to keep their land in agricultural production in perpetuity (Ohio Department of Agriculture, 2015). NEXUS does not have a comparable data layer for Michigan.

In general, with the exception of tree and shrub crops, impacts resulting from construction through agricultural lands will be limited to the growing season during which construction occurs, and to a lesser degree in the years following while the disturbed soils stabilize. NEXUS will maintain landowner access to fields, storage areas, structures, and other agricultural facilities during construction and will mitigate impacts to irrigation and drainage systems that cross the ROW to the extent practicable. NEXUS will protect active pasture land during construction through the installation of temporary fencing, the use of alternative locations for livestock to cross the construction corridor, and/or alternate feeding arrangements, as negotiated with the landowner.

Following construction, all impacted agricultural land will be restored to pre-construction conditions to the extent possible in accordance with the NEXUS Project E&SCP (Appendix 1B1 of Resource Report 1), the Drain Tile Mitigation Plan (Resource Report 1, Appendix 1B4), the FERC Plan and FERC Procedures, and any specific requirements identified by landowners or state or federal agencies with regulatory jurisdiction over agricultural land. In most locations, agricultural activities may resume within the permanent easement following construction, however, some restrictions would apply such as prohibitions on constructing aboveground structures and growing shrubs and trees with roots that could impact the integrity of the pipeline. All cropland used for the temporary construction ROW and ATWS would revert to prior use. All other forms of agriculture would be permitted within the permanent easement, in accordance with applicable landowner easement agreements. Landowners will be compensated for crop losses and other damages caused by construction activities.

U.S. Department of Transportation pipeline regulations require a minimum of 30-inches depth of cover in a Class 1 area from the natural ground level to the pipe. NEXUS plans to install the pipe at a minimum depth of 36-inches for the entire Project to provide an added measure of safety. The pipeline located in actively cultivated agricultural lands may be installed with additional cover, based on site-specific conditions, to ensure unimpeded active agricultural use following construction of the pipeline. Consultation

will be conducted with landowners to determine where extra depth of cover will be required (i.e., based on land use/crop, depth of drain tiles, etc.). The NEXUS landowner-compensation program will address temporary loss of productivity in affected areas after construction. NEXUS will negotiate with and reimburse landowners/producers of products for any damages or loss to their product as a result of the construction of the Project. Reimbursement to affected landowners/producers will be based on market prices for specific products/crops impacted at the time of easement negotiations and site specific impacts. Where production contracts are in place, NEXUS will work with the landowner to source production or grazing areas outside of the construction corridor.

In locations without drain tiles, the land will be returned to as near its pre-construction contour as practicable to maintain preconstruction hydrology. Should construction result in any new drainage or ponding issues, NEXUS will work with landowners/producers to remedy the problem.

Agricultural Drain Tiles and Irrigation/Drainage Structures

NEXUS understands the proposed Project will cross agricultural land that contains subsurface drainage systems, commonly known as drain tile systems. NEXUS is committed to working with stakeholders and landowners to minimize the potential for impacts to drain tile systems and has developed a Drain Tile Mitigation Plan ("DTMP") included as Appendix 1B4 to Resource Report 1. As indicated in the DTMP, NEXUS will individually review and analyze agricultural parcels crossed by the Project to determine the potential for drain tile impacts. This will be accomplished through communications with landowners and subject matter experts. The DTMP also provides a general overview of the types of drain tile systems potentially encountered during construction and describes NEXUS' drain tile mitigation strategy during the pre-construction (i.e., landowner communications, preliminary drain tile assessments, and mitigation planning); construction (i.e., drain tile identification, repair procedures); and post-construction (i.e., monitoring and restoration) phases of the Project. In addition, please see Section 7.5 of Resource Report 7 for further discussion on impact avoidance and minimization for activities involving agricultural soils. Known drain tile locations are identified on Table 8.2-8.

Specialty Crops

Specialty crops crossed by the Project were identified through field surveys and discussions with affected landowners in Ohio and Michigan and are summarized in Table 8.2-9. Specialty crops crossed in Ohio include alfalfa, oats, rye, spelt, clover, strawberries, assorted vegetables including corn (some of which is used to produce popcorn and seed corn), bell and hot peppers, tomatoes, pumpkins, squash, cucumbers (some of which are used to produce pickles), cabbage, asparagus, zucchini, beets, beans, peas, elderberry, apiaries used to produce honey, and apple, peach, plum, and Christmas trees. Specialty crops crossed in Michigan include alfalfa, cauliflower, soybeans (for oil), and sunflowers. NEXUS is working with affected landowners to avoid and minimize potential impacts to specialty crops where practicable. Construction techniques for agricultural lands are described in Resource Report 1. Specialty crop production will be temporarily impacted during the construction phase of the Project. Affected landowners will be compensated for lost production during this period. Following construction, specialty crop production will resume within the permanent operations area in accordance with landowner agreements with the exception of tree and shrub specialty crops.

Following construction, approximately 30.6 acres of tree and shrub specialty crops located within the temporary construction workspace will be replanted in accordance with landowner agreements. Approximately 10.2 acres of tree and shrub specialty crops are located within the permanent easement proposed for the NEXUS Project. Affected landowners will be compensated for loss of specialty crop production within the permanent easement.

Certified Organic Farms

NEXUS performed a database search of the National Organic Program ("NOP") 2014 list of certified U.S. Department of Agriculture ("USDA") organic operations in Ohio and Michigan. The NOP oversees USDA-accredited certifying agents and their certification of organic production and handling operations. Organic is a labeling term that indicates that the food or other agricultural product has been produced through approved methods that meet standards of the Organic Foods Production Act of 1990, which provides guidelines to integrate cultural, biological, and mechanical practices that foster cycling of resources, promote ecological balance, and conserve biodiversity. A review of the NOP database identified two certified organic farms crossed by the Project and two certified organic farms in the vicinity of the Project (within one mile) in Ohio. No certified organic farms were identified in the vicinity of the Project (within one mile) in Michigan (USDA, 2014).

NEXUS also performed a database search of Ohio Ecological Food and Farm Association's ("OEFFA") Good Earth Guide to Organic and Ecological Farms, Gardens and Related Businesses for certified organic businesses. No additional OEFFA-certified organic farms besides those identified by the NOP database search were identified within one mile of the Project (OEFFA, 2015).

Sunbeam Organic Dairy, located in Chippewa Township, Wayne County, will be crossed by the Project from approximate MP 55.1 to 55.6 as shown on the site-specific crossing plan in Appendix 8E. Hirzel Farms, located in Troy Township, Wood County, will be crossed by the Project from approximate MP 164.7 to 164.9 (*see* Appendix 8E).

NEXUS is working with organic farm operators to identify construction and operations practices, such as those described below, that are consistent with organic farm certification practices. As previously described, NEXUS will mitigate impacts to landowner access to fields, storage areas, structures, and other agricultural facilities during construction and will maintain irrigation and drainage systems that cross the ROW, to the extent practicable. NEXUS will protect active pasture land during construction through the installation of temporary fencing, the use of alternative locations for livestock to cross the construction corridor, and/or alternate feeding arrangements, as negotiated with the landowner. Secondary containment will be utilized where fuels, lubricating oils, petroleum products, and other hazardous materials are stored within 100 feet of the organic farm property boundaries.

Impacted agricultural land will be restored to pre-construction conditions to the extent possible in accordance with the NEXUS Project E&SCP (Appendix 1B1 of Resource Report 1), the Drain Tile Mitigation Plan (Resource Report 1, Appendix 1B4), the FERC Plan and Procedures, and any specific requirements identified by landowners. Topsoil segregation will occur so that only topsoil from the organic farm is used on the property. Seed approved by landowners will be used during site restoration. NEXUS will work with the landowners to identify other necessary mitigation measures to ensure continued enrollment of these properties as certified organic farms under the NOP.

Infinite Garden Farm is located approximately 0.5 miles to the southwest of the pipeline at MP 79.2 in Litchfield Township, Medina County. Infinite Garden Farm is a small, family-owned vegetable farm, which is certified organic by the OEFFA (OEFFA, 2015). Weihl Farms is located approximately 0.7 miles to the north of the Project facilities at MP 177.6 in Middleton Township, Wood County. Weihl Farms grows corn, hay, red clover, soybeans, and wheat and is certified organic by the OEFFA (OEFFA, 2015).

An additional organic farm was identified adjacent to the Project based on landowner consultation. Toledo Alfalfa Mills Inc. is located directly north of the construction workspace associated with the mainline pipeline at MP 155.6, in Washington Township, Sandusky County, Ohio. Organic alfalfa, corn, soybeans, and wheat are grown on the farm. NEXUS has minimized effects on this farm by avoiding crossing the farm and will implement its E&SCP and the FERC Plan and Procedures to prevent disturbance where the farm abuts the Project's construction workspace. Furthermore, as described above, secondary containment

will be utilized where fuels, lubricating oils, petroleum products, and other hazardous materials are stored within 100 feet of this organic farm property.

If further landowner consultations identify organic farm operations certified under an accredited program, NEXUS will work with affected landowners and associated regulatory and/or certifying agencies to ensure construction and operation of the Project does not jeopardize enrollment of these farms in the respective certification programs. These issues will be discussed with landowners during the negotiations for any additional rights and damages. Any special conditions will be included in the construction line list, and NEXUS will have land representatives on-site during construction to ensure these conditions are met.

8.2.3.3 Forest/Woodland

Tables 8.2-1 and 8.2-2 list the linear distance of forest/woodland to be crossed and acreage to be impacted during construction and operation of the Project facilities. Forested areas affected within the temporary workspace will be allowed to revert to forest after construction. Upland forested areas within the permanent easement will be maintained in an herbaceous state without trees to facilitate operation of the Project facilities. In wetlands and riparian areas, routine vegetation mowing or clearing will not occur over the full width of the permanent easement. Detailed descriptions of routine ROW maintenance procedures in uplands, wetlands, and riparian areas are provided in the NEXUS Project E&SCP located in Appendix 1B1 of Resource Report 1.

Logging

Most of the land crossed by the NEXUS Project is agricultural. Most forested areas crossed are small, segmented woodlots that are not conducive to major logging operations. These woodlots are used for residential firewood, local recreation, and smaller cutting operations and generally do not have established logging roads. NEXUS will work with landowners to maintain access to wooded portions of their property during pipeline construction. In obtaining easement rights, NEXUS will fully compensate landowners for the value of trees felled and timber will be available to landowners upon request. Such compensation is based upon a timber appraisal provided by forestry experts. If impacted, existing logging roads will be restored after construction. Post-construction, landowners will be required to contact NEXUS prior to commencing logging or the use of logging roads that pass over the pipeline's permanent easement.

8.2.3.4 Commercial/Industrial Land

Tables 8.2-1 and 8.2-2 list the linear distance of commercial/industrial land to be crossed and acreage impacted during construction and operation of Project facilities. Impact minimization measures used in commercial/industrial areas include timing of construction to avoid peak use periods, maintaining access to businesses at all times, and expediting construction through these areas. NEXUS will coordinate directly with affected commercial/industrial landowners on an individual basis to further reduce potential adverse effects and to address the specific needs of each commercial/industrial facility.

The number of public roadways to be crossed by the Project in each county is summarized in Table 8.2-10. These roads range from maintained dirt and gravel private and municipal roads to state highways and interstate highways. Potential temporary effects associated with roadway crossings include temporary disruption of traffic flow, disturbance of existing underground utilities (i.e., water and sewer lines), and hindrance of emergency vehicle access. There are no anticipated permanent effects on existing uses of the roadways crossed by the Project.

Generally, public roadways will be crossed by conventional bore or by using the open cut crossing method. Regardless of the method used, NEXUS will incorporate measures to ensure that construction activities will not prevent the passage of emergency vehicles, including the creation of temporary travel lanes during construction or the placement of steel plate bridges to allow continued traffic flow during open trenching. Traffic lanes and residential access will be maintained, except for the temporary periods essential for pipeline installation. In areas where traffic volumes are high or other circumstances (e.g., congested areas)

exist, NEXUS will employ a police detail to ensure traffic flow and the safety of pedestrians and vehicles. NEXUS will obtain necessary permits for work within road ROWs and required access permits, and will coordinate with Ohio and Michigan state and county transportation departments to identify road crossings that are planned for widening or expansion. Table 8.2-11 identifies roadways crossed by the Project along with the associated crossing method. Crossings will be constructed in accordance with site conditions and road opening permit requirements, as well as state and U.S. Department of Transportation regulations, including 49 CFR Part 192 requirements regarding depth of cover and pipeline design. Table 8.2-12 provides average daily traffic counts for the roads to be used as travel routes during construction of the Project.

The Project pipeline will cross 23 active railroads and four inactive railroads. Active and inactive railroads are proposed to be crossed by conventional bore, cased crossing, or HDD methods. Detailed descriptions for these road crossing methods are provided in Section 1.7.17 of Resource Report 1. Use of conventional bore, cased crossing or HDD methods will avoid effects on the normal operation of the active railroads during construction and operation of the NEXUS pipeline. Table 8.2-13 identifies the location of active and abandoned railroads crossed by the Project, and identifies the proposed construction method for each railroad crossing.

8.2.3.5 Residential Land

Tables 8.2-1 and 8.2-2 list the linear distance of residential land to be crossed and acreage to be impacted during construction and operation of the pipeline, respectively. Section 8.3.1 provides additional detail relative to existing and planned residences within the Project area, as well as measures to be implemented by NEXUS to minimize effects where the workspace is located on land in active residential use. Residential Construction Plans for locations where residences are located within 50 feet of the construction workspace are included in Appendix 8C.

Landowners will be notified of planned construction activities prior to construction. The planned NEXUS construction work schedule typically starts at 7:00 a.m. and ends at 6:00 p.m. (six days a week), with the possible exception of HDD crossings, hydrostatic testing, and pipeline commissioning activities. Traffic in residential areas will be managed as described in Section 8.2.3.4., and speed limits will be strictly controlled for construction equipment and associated vehicles. Water trucks will be used to spray down the construction area if dust control is needed (*see* Appendix 1B5 of Resource Report 1 for the Fugitive Dust Plan).

In addition to the above measures to minimize effects on residences, NEXUS is meeting with affected landowners and is modifying the proposed construction workspace based on landowner input. NEXUS will continue to meet with landowners to gather input regarding potential modifications to workspaces.

8.2.3.6 Open Water

Open water includes waterbodies greater than 100 feet in width and streams visible on aerial photography but less than 100 feet in width. Major waterbody crossings and proposed crossing methods are identified in Resource Report 2, Table 2.3-2. Resource Report 2 and the NEXUS Project E&SCP in Resource Report 1, Appendix 1B1, also provide detailed information on potential waterbody effects associated with construction and operation of the Project, as well as minimization measures.

8.2.3.7 Special Land Uses

Special land uses include areas such as land associated with schools, parks, places of worship, cemeteries, sports facilities, campgrounds, golf courses, ball fields, and areas protected under easements. Special land uses crossed by the Project were identified from field reconnaissance, aerial photography, USGS 7.5 minute topographical maps, agency and stakeholder consultation, planning documents, and publically available datasets. NEXUS has worked to avoid or mitigate effects to the special land use areas listed below and will continue to coordinate with affected landowners. Most special land uses identified fall within the broader

"open land" land use category and include trails and parks; special land uses with developed facilities or buildings (such as places of worship) fall within the commercial/industrial land use category. Parks and trails, golf courses, and campgrounds are discussed in Section 8.4, Public Land, Recreation and Other Designated Areas.

To identify unmarked cemeteries, archaeological field crews searched for unmarked or previously undocumented cemeteries within the survey corridor, including searching for grave markers, depressions, or other potential indicators of cemeteries in the field and speaking with landowners when possible. In the event that any unmarked cemeteries are encountered during construction, NEXUS will comply with the *Unanticipated Discovery of Cultural Resources and Human Remains* procedures (*see* Resource Report 4, Appendix 4C), and implement similar measures to avoid or minimize impacts on those areas.

Ohio

Portage Lakes Career Center and City of Green Soccer Association Fields

NEXUS received comments from the City of Green and the Portage Lakes Career Board of Education based on the June 2015 Pre-Filing submittal to the FERC. Based on the June 2015 pipeline alignment, the temporary construction workspace would have extended approximately 30 feet into the southwestern corner of the parcel which contains the Portage Lakes Career Center. The career center is located on a 47-acre site on Shriver Road in Green Township, Summit County. The career center property is used by the City of Green Soccer Association. The pipeline route has been shifted south in this area and the property is now approximately 0.9 mile away from the location of the pipeline, at its closest point. In accordance with the FERC's pre-filing process, NEXUS is committed to continuing review of the pipeline route with stakeholders and working to accommodate their concerns. Subsequent to the NEXUS June 2015 Pre-Filing submittal, and in response to stakeholder feedback, NEXUS adjusted the pipeline route in this area to avoid and minimize proximity to residential structures in the vicinity of Dotwood Road, avoid conflicts with an existing electric utility corridor, and avoid the City of Green Soccer Association soccer fields and the Portage Lakes Career Center (*see* Section 10.6.2 in Resource Report 10).

Singer Lake Preserve

The pipeline crosses Singer Lake Preserve, a 344-acre nature preserve, located in southern Summit County in the City of Green, from MP 38.8 to 39.0 (*see* Appendix 8E). The preserve is owned and protected by the Cleveland Museum of Natural History (Cleveland Museum of Natural History, 2015). The preserve contains 50 acres of leatherleaf bog and a five-acre kettle lake (Green Historical Society, 2010). Many rare wildlife and plant species are also located within the bog. The pipeline crosses through an active agricultural field approximately 230 feet to the northeast of the bog within the preserve property; the bog itself would not be impacted by pipeline construction or operation. NEXUS consulted with the Cleveland Museum of Natural History in May of 2015. The curator of the museum requested that the pipeline route avoid disturbance to Singer Lake Bog where rare plants are located and that the farmer who leases the land where the proposed route is crossing be compensated. In June of 2015, NEXUS provided the curator with a map of the museum's property in relation to the proposed Project crossing location. The curator stated that he had no concerns as long as the proposed route is located in an agricultural area. NEXUS consulted with the curator again in August of 2015 and the curator stated that he had no restrictions near the ROW. NEXUS will continue consultation with the museum to address any specific issues or concerns related to construction or operation of the pipeline on this property.

Loyola Retreat House

A parcel of land containing the Loyola Retreat House will be crossed from MP 40.4 to 40.7. Loyola Retreat House, Inc. ministers to individuals of the Catholic faith in the City of Green, Summit County (Loyola Retreat House, 2015). The pipeline crosses through forest, open, and agricultural land, approximately 330

feet to the southeast of a structure and parking lot associated with the retreat house. NEXUS will coordinate with landowners to identify construction and operations procedures that minimize disruption to this facility.

Chippewa Lake Baptist Church

Two parcels owned by the Chippewa Lake Baptist Church will be crossed by the Project pipeline at MP 68.0 in Lafayette Township, Medina County. The proposed pipeline is located in an open field south of the church structures and associated parking lot by approximately 600 feet and 490 feet, respectively. A small structure (approximately 35 feet by 65 feet) is also located on one of the church parcels, approximately 60 feet to the south of the proposed pipeline location. This structure will not be affected by pipeline construction or operations. NEXUS will consult and coordinate with the landowners regarding construction of the pipeline and continued operation of pipeline facilities.

Western Reserve Land Conservancy

The Western Reserve Land Conservancy is a nonprofit conservation organization dedicated to preserving the natural resources of northern Ohio. The Conservancy works with landowners, communities, government agencies, park systems and other nonprofit organizations to permanently protect natural areas and farmland, generally through the use of conservation easements (Western Reserve Land Conservancy, 2015).

Four Western Reserve Land Conservancy protected properties will be crossed by the Project (*see* Appendix 8E). The parcel crossed from MP 68.9 to 69.0 is owned by the Medina County Park District and is located in Lafayette Township, Medina County. The pipeline will cross through agricultural and residential land in this location. The parcel crossed from MP 83.9 to 84.4 in Grafton Township, Lorain County is privately owned. The pipeline will cross through agricultural, forested, and open land in this location. The two parcels crossed from MP 95.4 to 95.6 in Oberlin City, Lorain County are also privately owned. The pipeline will cross through mainly agricultural land in this location. NEXUS began communications with the Western Reserve Land Conservancy in February of 2015 and the landowners in March of 2015 regarding the Project. NEXUS met with the Western Reserve Land Conservancy on September 22, 2015 and is working with the Conservancy and landowners to identify and address specific issues related to construction and operation of the Project and to determine if the Project can accommodate conditions of the conservation easements.

Midview Soccer League Complex

The Midview Soccer League Complex is owned by the Lorain County Metropark District in Grafton Township, Lorain County. The Midview Soccer League is a non-profit, 501 (c)(3) recreational soccer organization (Midview Soccer League, 2015). NEXUS has minimized effects to the Midview Soccer League Complex by crossing approximately 1,200 feet to the northeast of the soccer fields. NEXUS will consult and coordinate with the landowners regarding construction of the pipeline and continued operation of pipeline facilities.

Wakeman Airport

Wakeman Airport in Florence Township, Erie County, is a privately-owned airport which was crossed by a previous alignment of the Project, submitted in the June Pre-Filing. After the date of the June Pre-Filing the pipeline route was shifted south to avoid a Girl Scout Camp (*see* Section 10.6.1 in Resource Report 10). The Project is now located over a mile to the south of Wakeman Airport.

St. John's United Church of Christ Milan Ohio Inc.

The southwestern corner of a parcel of land owned by St. John's United Church of Christ Milan Ohio, Inc. will be crossed by the Project pipeline at MP 122.0 in Oxford Township, Erie County. The proposed pipeline centerline is located just southwest of this parcel, but the Project's construction workspace will be located on the parcel. The proposed pipeline is located in an agricultural field and is southwest of the

church structures and associated parking lot by approximately 1,180 feet and 1,080 feet, respectively. NEXUS will consult and coordinate with the landowners regarding construction of the pipeline and continued operation of pipeline facilities.

Highland Memory Gardens Cemetery

Highland Memory Gardens Cemetery is a privately owned cemetery located in Waterville Township, Lucas County. The pipeline crosses one of the cemetery parcels at MP 181.8; the Project does not cross the adjacent cemetery parcel which contains burial plots. NEXUS has minimized effects to the cemetery by proposing to cross the property using the HDD crossing method which will install the pipeline below the depth typically used for burials. NEXUS is in communications with the landowner to address landowner concerns.

The Nature Conservancy

The pipeline crosses two parcels owned by The Nature Conservancy from MP 190.0 to 190.5; the first parcel is located in Washington Township, Henry County and the second parcel is located in Swan Creek Township, Fulton County (*see* Appendix 8E). The pipeline crosses agricultural and forested land on the first parcel and agricultural land on the second parcel. NEXUS is in communications with The Nature Conservancy and will work toward modifying the construction and operation of the pipeline to be performed in a manner consistent with The Nature Conservancy's goals and objectives for these properties.

Michigan

Community Free Will Baptist Church

The eastern side of a parcel of land owned by Community Free Will Baptist Church will be crossed by the Project pipeline at MP 249.1 in Ypsilanti Township, Washtenaw County. The proposed pipeline is located east of the church structures and associated parking lot by approximately 750 feet and 630 feet, respectively, in an open field. A forested area is located to the west of the proposed pipeline location between the pipeline and the church and would provide some screening. NEXUS will consult and coordinate with the landowners regarding construction of the pipeline and continued operation of pipeline facilities.

8.3 Residential and Commercial Areas

8.3.1 Planned Residential and Commercial Areas

NEXUS has contacted landowners and local officials concerning ongoing or planned residential and commercial developments occurring in areas along the Project. Descriptions of identified ongoing or planned developments in relation to Project facilities, and the status of construction or completion are summarized in Table 8.3-1.

In general, there would be no effect to planned developments that are not crossed by the Project. Potential conflicts with these projects would be limited to temporary increases in traffic and construction vehicles on shared existing roadways used for Project access during the planning phase of these developments.

8.3.2 Existing Residences and Buildings

Table 8.3-2 identifies by milepost existing residential and commercial structures located within 50 feet of the proposed construction ROW. NEXUS has evaluated the potential effect on each of these structures and modified the proposed route and workspaces to the extent practicable so that each residence is a minimum of 50 feet from the construction ROW. Site-specific mitigation for residences within 50 feet of construction workspaces are shown on residential construction plans included in Appendix 8C.

8.3.3 Residential Areas and Commercial Areas Effect and Mitigation

The majority of the Project crosses undeveloped agricultural land; however, some residential and commercial buildings are located in the Project vicinity. Effects during construction on existing residential

and commercial buildings adjacent to the Project area include noise and dust from construction equipment and temporary visual effects from removal of vegetation and excavation of soils. Disturbance post-construction will be minimal, and related to maintenance activities including periodic mowing and inspection. Standard practices to be employed in residential areas are summarized below.

- Access to homes will be maintained except for the brief periods essential for laying the new pipeline that will be coordinated with landowners. In the vicinity of streets and homes, temporary safety fences will be erected to control access to the construction area. This fence will extend at least 100 feet on both sides of the residence along the ROW;
- Techniques such as stovepipe and drag section construction may be used to minimize the effects of construction in residential areas on a site-specific basis;
- Homeowners will be notified in advance of any scheduled disruption of household utilities, and the duration of the interruption will be kept as brief as possible;
- Representatives of the local utility companies will be invited to be on-site during construction when necessary. NEXUS will strive to accommodate any special concerns regarding private landscaping (landowners will be compensated for unavoidable impacts to landscaping), and other potential conflicts with the construction and operation of the pipeline;
- The NEXUS construction contractor will minimize the time the trench is left open;
- The NEXUS construction contractor will control dust, in accordance with the NEXUS Fugitive Dust Plan (*see* Appendix 1B5 to Resource Report 1) to minimize impacts to affected landowners; and
- After backfilling, residential areas will be restored in accordance with landowner agreements and all construction debris will be removed from the area.

In locations where residences are within 50 feet of the construction workspace, site-specific residential plans will show the residence in relation to:

- The new pipeline;
- The edge of the construction workspace;
- The edge of the new permanent easement; and
- Other nearby residences, structures, roads, wetlands, or waterbodies.

NEXUS will use specialized construction methods (i.e., stove-pipe or drag-section construction techniques) through residential areas to minimize impacts to landowners. The stove-pipe construction method is used when the pipeline is to be installed in very close proximity to existing structures. The technique involves installing one joint of pipe at a time and the welding, weld inspection, and coating activities are all performed in the open trench, thereby reducing the width of the construction ROW. The drag-section construction method is another method that reduces the width of the construction ROW and is normally preferred over the stove-pipe method. This technique involves trenching, installation of a prefabricated length of pipe containing several segments welded and inspected in an offsite area, and backfilling, all in one day. Both stove-pipe and drag-section methods result in the trench being backfilled and/or covered with steel plates or equipment mats or protected by fencing, as necessary, to ensure safety at the end of each day, though the length of excavation performed each day typically will not exceed the amount of pipe installed.

To avoid and if necessary, address impacts on residences and residential structures due to equipment and/or construction activity related vibrations, NEXUS will implement the following measures:

- Work directly with each landowner to review the Project Residential Construction Plans (Appendix 8C) and revise the plans as mutually agreed upon.

- Signify parcels on the Construction Landowner Line List as "Residential Construction Area," with specific construction activities restrictions and conditions for vehicular/equipment travel and pipeline installation.
- Install signage when entering, traversing, and exiting the construction ROW, identifying "Residential Construction Area – Equipment/Vehicle Minimum Speed."
- Include residential construction plans and procedures to limit vibration and noise disturbances in Residential Construction Areas in the Project contractor training. Inspectors hired to oversee the construction phase of the Project will monitor these areas for compliance and will report instances of non-compliance to NEXUS for resolution.

During initial landowner contacts to acquire survey access permission, NEXUS land representatives requested information on the locations of wells, springs, and septic systems from landowners. NEXUS used this information to reconfigure work areas or modify the pipeline alignment to avoid impacts on these structures where possible. NEXUS land representatives will continue to request information on the location of wells, springs, and septic systems prior to the commencement of construction to complete an inventory and documentation of these structures within 150 feet of the Project, so they can be avoided during construction. NEXUS has also developed an issue resolution procedure plan to address landowner concerns during construction. The issue resolution plan identifies the procedures used by NEXUS to notify affected landowners in advance of construction and to provide specific contact information if the landowner has any questions or concerns (*see* Appendix 8D).

Septic systems located within 150 feet of the pipeline are identified in Table 8.3-3. Where possible, NEXUS will seek to avoid affecting septic systems. Should there be a Project related effect on a septic system, NEXUS will work with the landowner to relocate the system and provide a replacement. Upon commencement of construction, NEXUS will have worked directly with individual landowners to obtain physical locations of known/present sewer systems. NEXUS will physically mark the known locations ahead of construction activities and also have same reflected within the Construction Landowner Line List. The process for temporary and permanent repairs to septic systems, where necessary, will be implemented as follows:

1. *Civil Survey* – identify locations of septic systems during initial construction staking. Crossing trench and/or within construction footprint.
2. *Clearing/Grading* – assess the use and/or placement of protection devices (mats) over existing septic systems.
3. *Trenching /Lowering In* – septic systems will be excavated if crossing trench line and repair assessment made; pipe lowered into trench; system temporarily repaired.
4. *Backfill /Rough Clean-up* – septic systems will be permanently repaired as soon as practicable.

NEXUS has engineered the proposed alignment to minimize the removal of existing dwellings, barns, or structures for construction of the Project. Table 8.3-4 includes locations along the NEXUS Project pipeline segments where the construction workspace has been reduced near existing residential structures.

8.4 Public Land, Recreation and Other Designated Areas

Parks and recreational areas in the vicinity of the Project are depicted in Figure 8.4-1 and listed in Table 8.4-1. A discussion of each affected public land, recreational area, or other designated area is provided below. USGS topographic maps, aerial photographs, internet searches, personal interviews with federal, state and local agencies, and field reconnaissance were used to identify parks, recreation areas, scenic areas, and other specially-designated areas at the federal, state and local level in the vicinity of NEXUS Project facilities. The construction and operation effects of the Project to each public land area, recreation area, recreation trail, and other designated areas are tabulated in Table 8.4-1 and addressed in Sections 8.4.1 through 8.4.4. Direct effects are not anticipated on areas located within 0.25-mile of the Project that are

not crossed by the Project. NEXUS will implement the NEXUS Project E&SCP and the FERC Plan and Procedures to prevent disturbance to off-site areas.

8.4.1 Public Conservation Land

8.4.1.1 Pipeline Facilities

Federal Lands

The National Park Service ("NPS") manages over 400 parks in the National Park System and helps administer many affiliated sites including National Heritage Areas, National Wild and Scenic Rivers, and National Trails. Several websites were reviewed to identify the specific resources of interest to the NPS. Review of the websites documented that no National Parks, National Natural Landmarks, National Park Service Wilderness Areas, Urban Parks and Recreation Recovery Areas or National Wild and Scenic Rivers are located within 0.25 mile of the NEXUS Project facilities (Bureau of Land Management, 2015; NPS, 2006, 2009, 2011, 2014, 2015; University of Montana, 2014; and National Wild and Scenic Rivers System, 2015). Federally designated lands crossed by the NEXUS Project are listed in Table 8.4-1 and discussed below.

Ohio

North Country National Scenic Trail

The North Country National Scenic Trail began as a U.S. Forest Service proposal in the mid-1960s (NPS and North County Trail Association, 2012). As of 2012, over 2,600 miles of trail have been completed and are open to public use. Once completed, the 4,600-mile trail will become the longest continuous hiking trail in the United States. The North Country National Scenic Trail connects the Lewis and Clark Trail in western North Dakota with the Appalachian Trail in upstate New York and will link scenic, natural, historic, and cultural areas across seven states. The trail is administered by the National Park Service in cooperation with other federal, state, county, and municipal agencies, private organizations, and individuals.

In Ohio, approximately 1,050 miles of existing and proposed trail make a U-shaped sweep around the state following the Buckeye Trail for much of the route. The NEXUS Project will cross the North Country National Scenic Trail in three locations: MP 3.5 in Columbiana County where the trail follows Buffalo Road, MP 189.9 in Henry County, and MP 195.8 in Fulton County. In all three crossing locations, NEXUS is proposing to install the pipeline by using conventional open cut crossing methods, as described in Resource Report 1.

As shown on the site-specific crossing plan in Appendix 8E, the pipeline will be installed at MP 3.5 where the trail parallels Buffalo Road. The temporary workspace and permanent easement proposed for the Project crossing is shown in Appendix 8E. As is typical for road crossings of this type, arrangements will be made with local officials to have traffic safety personnel on hand during periods of construction. The crossing of Buffalo Road may require the closure of one lane at a time with traffic diverted to the other lane. Therefore, access to the trail will not be interrupted during construction.

The second crossing of the trail will occur at MP 189.9 where the pipeline parallels an existing electric transmission line. The third crossing of the trail will occur at MP 195.8 where the trail is located on an old railroad bed within an agricultural field. The temporary workspace and permanent easement proposed for the Project at these two crossings is shown on the site-specific crossing plans provided in Appendix 8E. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. The 50-foot wide permanent easement will be allowed to revert to pre-construction uses following construction. However, NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

Despite a short disruption to the use of the existing trails and a temporary increase in noise during construction of the NEXUS Project pipeline, installation of the pipeline will have no affect on the trail system. Clearing of forested land will be required at all three crossings and may result in a minor change to the surrounding visual character. As described above, temporary workspaces will be allowed to revegetate but NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types. NEXUS will notify landowners in advance of construction and coordinate with landowners to address specific issues and concerns regarding construction and operation of the pipeline through these areas while accommodating plans for the North Country National Scenic Trail. NEXUS has begun correspondence with the National Park Service regarding the Project trail crossings.

Wabash Cannonball Trail

The Wabash Cannonball Trail is a 63-mile multi-use recreational trail in Northwest Ohio. It provides non-motorized access to hikers, bikers, equestrians, and cross-country skiers. The 12-foot wide trail surface varies within the different jurisdictions, from asphalt to hard packed cinder ballast.

Portions of the Wabash Cannonball Trail are also certified segments of the North Country National Scenic Trail, described previously. The North Country National Scenic Trail is administered by the National Park Service and the Wabash Cannonball Trail is administered by the North-Western Ohio Rails to Trails Association, Inc.

The NEXUS Project pipeline will cross the Wabash Cannonball Trail using conventional open cut crossing methods in two locations at MP 189.9 and MP 195.8 where the trail coincides with the North Country National Scenic Trail. The temporary workspace and permanent easement proposed for the Project at these two crossings will be the same as that described for the North Country National Scenic Trail in these locations. Site-specific crossing plans showing the individual crossings are provided in Appendix 8E. NEXUS will notify the North-Western Ohio Rails to Trails Association, Inc. in advance of construction and will continue communications to address any specific issues related to construction and operation of the pipeline through these properties while accommodating plans for the North Country National Scenic Trail and the Wabash Cannonball Trail.

Michigan

No federally designated lands are crossed by the NEXUS Project in Michigan (Bureau of Land Management, 2015; NPS, 2006, 2009, 2011, 2014, 2015; University of Montana, 2014; and National Wild and Scenic Rivers System, 2015).

State Lands

Ohio

Ohio & Erie Canalway National Heritage Area

In 1996, Congress designated the Ohio & Erie Canalway as a National Heritage Area ("NHA") to help preserve the rails, trails, landscapes, towns, and sites along the first 110 miles of the canal (Ohio & Erie Canalway Association, 2015b). While the federal government designated this area as a NHA, the Ohio & Erie Canalway NHA is independently managed and operated through local organizations and receives technical assistance from the Cuyahoga Valley National Park. Recreational opportunities within the NHA include hiking along the Ohio & Erie Canal Towpath Trail or riding on the Cuyahoga Valley Scenic Railroad.

The NEXUS Project pipeline crosses the Ohio & Erie Canalway NHA in two locations from MP 33.4 to 35.4 and MP 41.5 to 49.6. The Ohio & Erie Canal Towpath Trail (named the Ralph Regula Towpath Trail in this area), located within the Ohio & Erie Canalway NHA, is also crossed by the NEXUS Project at MP 48.2 via HDD. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance

associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

Recreational uses of the area crossed by the Project may be interrupted during installation of the pipeline. In addition, there will be a temporary increase in noise levels during construction within the area. However, construction and operation of the NEXUS Project pipeline will not change the existing uses of the land. NEXUS will notify property owners in advance of construction. In addition, NEXUS will consult and coordinate with the property owners located within the NHA to address any specific issues related to construction of the pipeline through the properties and continued operation of pipeline facilities.

Portage Lakes State Park

Portage Lakes State Park is a 411-acre park located in Summit County, Ohio. The park contains some of the highest points of elevation in Ohio and lies on a major watershed divide where water drains into both Lake Erie and the Ohio River (ODNR, 2015a). The Portage Lakes formation was a direct result of glacial activity. Some of the lakes were created to maintain the surrounding canal system in the early 1900s. In 1949, the Portage Lakes were acquired by the Ohio Department of Natural Resources ("ODNR") Parks and Recreation Division. The park is a valued recreational resource and offers trail hiking, camping, swimming, boating, fishing, hunting, winter recreation, and picnicking amenities. NEXUS representatives met with ODNR staff on October 14, 2014, to introduce the Project and to discuss the Portage Lakes State Park and Nimisila Reservoir crossings. NEXUS representatives also met with ODNR staff on September 25 and October 16, 2015 to further discuss the construction methodology proposed by NEXUS for the two crossings of the Portage Lakes State Park.

The NEXUS Project will cross the Portage Lakes State Park in two locations from MP 40.9 to 41.0 and from MP 41.5 to 41.7. Because of the extent of impacts associated with the public land and major waterbody crossings, NEXUS identified and evaluated a preferred route, which would continue to parallel existing utility corridors to the maximum extent practicable, while also minimizing the length of the Portage Lakes State Park crossings and the width of the Nimisila Reservoir crossing. ODNR land crossings have been avoided or minimized by NEXUS to the extent practicable.

The first crossing of the Portage Lakes State Park occurs in the southern portion of the park between MP 40.9 to 41.0 of the NEXUS Project pipeline. The NEXUS Project pipeline will avoid impacts to the park in this area by installing the pipeline via HDD under the Nimisila Reservoir. A small portion of ATWS identified at the HDD entry/exit point at MP 40.9 is located in the park and will temporarily impact agricultural land. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. This crossing of the Nimisila Reservoir is shown in the HDD Design Report and HDD Monitoring and Inadvertent Return Contingency Plan in Appendix 2A of Resource Report 2.

The NEXUS Project pipeline crosses the Portage Lakes State Park a second time from MP 41.5 to 41.7. Construction of the pipeline will result in short-term increases in noise levels in the vicinity of construction activities and a temporary impact to forest land, open land, and open water (consisting of one crossing of Nimisila Creek). Following construction, the entire pipeline ROW will be restored and a 50-foot wide permanent easement will be maintained by NEXUS. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11. This crossing of the Portage Lakes State Park is shown on the site-specific crossing plans provided in Appendix 8E.

Operation of the NEXUS Project will not interfere with existing uses of the park or interrupt any of the activities offered within the park. NEXUS is in consultations with the ODNR regarding the proposed crossing locations to address any specific issues related to construction of the pipeline and continued operation of pipeline facilities (*see* discussion on Agency Consultations in Section 1.12 in Resource Report 1). In addition, NEXUS will notify the ODNR in advance of construction.

Missionary Island Wildlife Area

Managed by the ODNR, the Missionary Island Wildlife Area includes 296 acres of land located along the Maumee River in Lucas and Wood Counties. Recreational opportunities in the wildlife area include fishing, hunting, wildlife watching, and boating. The NEXUS Project pipeline will avoid impacts to the Missionary Island Wildlife Area by installing the pipeline via HDD under the Maumee River and wildlife area. Effects to recreational uses of the wildlife area may include temporary construction noise associated with the HDD activities. NEXUS is in consultations with the ODNR regarding the proposed crossing methodolgy to address any specific issues related to construction of the pipeline and continued operation of pipeline facilities (*see* discussion on Agency Consultations in Section 1.12 in Resource Report 1). This crossing of the Maumee River is shown in the HDD Design Report and HDD Monitoring and Inadvertent Return Contingency Plan in Appendix 2A of Resource Report 2.

Maumee State Forest

The Maumee State Forest is a combination of several tracts of forest, totaling over 3,000 acres. There is a designated "self-guided" two-mile hiking trail, 66 miles of unmarked fire lanes, eight miles of bridle trails, seven miles of ATV trails, a windbreak arboretum, a tree improvement area, and a wet-sedge meadow. The state forest is open to fishing, hunting, camping, hiking, biking, picnicking, winter recreation, wildlife observations, horseback riding, and ATV use. The Maumee State Forest is located in three Ohio counties: Fulton, Henry, and Lucas and is managed by the ODNR. ODNR Category 3 wetland areas containing rare plant species or communities are located within portions of the Maumee State Forest (ODNR, 2011). However, these Category 3 wetland areas will not be crossed by the NEXUS Project.

NEXUS identified and evaluated a route alternative which would avoid or minimize the crossing length of the Maumee State Forest to the maximum extent practicable (*see* route variations evaluated in Section 10.6.1 in Resource Report 10). NEXUS met with ODNR staff on October 14, 2014 to introduce the Project. On December 12, 2014, NEXUS met in the field with ODNR to review the proposed routing options through the Maumee State Forest area. For a list of all agency consultations, see Section 1.12.3 in Resource Report 1. As a result of these consultations, NEXUS has been able to minimize effects on the Maumee State Forest by avoiding all but one tract of land and by locating the proposed route along the eastern perimeter of the forest tract crossed by the Project.

As shown on the site-specific crossing plans provided in Appendix 8E, the NEXUS Project pipeline will cross forested land within the Maumee State Forest between MP 193.2 to 193.7. This portion of the Maumee State Forest is also located within the Oak Openings Region. As described in Section 3.3.2.1 of Resource Report 3, surveys were conducted in the summer of 2015 to identify any occurrences of plant species endemic to Oak Openings communities. The forest species composition for the Maumee State Forest includes black oak in the overstory, a subcanopy of white oak, sassafras and black cherry, and minor components of red maple, flowering dogwood, and black gum. Construction of the Project will result in forest clearing within the construction workspace identified for the pipeline along the eastern perimeter of the Maumee State Forest tract. Following construction, the entire pipeline ROW will be restored and a 50-foot wide permanent easement will be maintained by NEXUS. Temporary workspaces will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

The NEXUS Project pipeline will have temporary and permanent impacts on forested land within the Maumee State Forest. However, with the exception of short-term increases in noise associated with construction, the NEXUS Project will not affect the recreational activities or facilities associated with the parcel. The nearest trail, the Stewardship Trail, is approximately 650 feet west of the temporary construction workspace associated with the pipeline. The nearest facility, the Maumee State Forest office building, is approximately 665 feet west of the temporary construction workspace associated with the pipeline. Operation of the NEXUS Project will not interfere with existing uses of the remaining adjacent forest or interrupt any of the activities offered within that adjacent forest. NEXUS will continue to consult with the ODNR, review the alignment adjustments made in the vicinity of the Maumee State Forest, and update the ODNR with specific construction procedures and ROW restoration plans for the forest tract crossing. Furthermore, NEXUS will notify the ODNR in advance of construction activities.

Fulton Pond Wildlife Area

Fulton Pond Wildlife Area is located approximately 5 feet east of the Project's construction workspace at MP 198.8. The construction workspace will be located within an agricultural field that abuts the western and southern boundaries of the Fulton Pond Wildlife Area. NEXUS has minimized effects on the wildlife area by avoiding the property boundary and will implement the NEXUS Project E&SCP and the FERC Plan and Procedures to prevent disturbance to abutting areas of the property.

Michigan

No state-protected lands are crossed by the NEXUS Project in Michigan (Michigan Department of Natural Resources, 2015a).

County/Municipal Lands

Ohio

The NEXUS Project crosses metroparks, farms, and trails owned and managed by Park Districts in Stark, Medina, Lorain, Erie, Sandusky, and Lucas counties. The county and municipal park lands crossed by or located within 0.25 mile of the NEXUS Project are listed in Table 8.4-1. Site-specific crossing plans for existing parks or trails that will be impacted by the NEXUS Project are provided in Appendix 8E. NEXUS will notify Park Districts in advance of construction activities and will continue to consult and coordinate with the Park Districts to address specific issues related to construction and operation of the Project through these properties.

Ariss Park

Owned and maintained by the City of Green, Ariss Park is located east and west of Interstate Highway 77 on Wise Road. With over 80 acres of land, the park contains a half-mile loop limestone walking trail, three tackle football fields, two flag football fields, restrooms, a concession stand and a press box (City of Green, 2015). NEXUS met with representatives of the City of Green and the FERC at the Ariss Park property on April 30, 2015 and reviewed the location of the proposed route and NEXUS met with the City of Green again on September 23, 2015. The City of Green provided information regarding past use of the property, current and proposed use of the property, and information regarding the detailed soil testing that was conducted prior to their work to develop a portion of the park site.

The NEXUS Project pipeline will cross along the southern portion of the park property between MP 35.3 to 35.6. The route will be parallel to an existing electric transmission corridor from approximate MP 35.4 to 35.6 and crosses a mix of wooded land and active agricultural fields. At MP 35.5 the route will cross Interstate Highway 77 where a conventional bore is proposed to install the pipeline. NEXUS has minimized the amount of tree clearing necessary for construction by overlapping a portion of the workspace with an existing cleared ROW and by reducing the workspace in forested areas. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to

revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

As shown on the site-specific crossing plans provided in Appendix 8E, the NEXUS Project pipeline will cross approximately 1,200 feet south and southeast of the closest playing field or parking area. With the exception of short-term increases in noise in the vicinity of construction activities, construction and operation of the NEXUS Project will not interfere with existing uses of the park or interrupt any of the activities offered within the park. NEXUS will continue to consult and coordinate with the City of Green to address any specific issues related to construction of the pipeline through Ariss Park and continued operation of pipeline facilities. In addition, NEXUS will notify the City of Green in advance of construction.

Greensburg Park

Owned and maintained by the City of Green, Greensburg Park is located south of Greensburg Road. The park contains four baseball fields, several associated structures, and a paved parking lot. The pipeline will cross forested land located in the southeastern corner of the parcel at MP 37.1 (*see* Appendix 8E). The construction workspace of the pipeline in this area will be located approximately 75 feet to the southeast of the closest baseball field on the parcel. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

Construction and operation of the Project will not interfere with existing uses of the park; however, construction activities will result in short-term increases in noise in the vicinity of those activities. A section of forested land will remain between the closest baseball field and the NEXUS pipeline ROW despite clearing within the construction workspace and permanent easement on the southeastern corner of the parcel. NEXUS will notify the City of Green in advance of construction.

Chippewa Lake Nature Areas/Buckeye Woods Park

The Chippewa Lake Nature Areas and Buckeye Woods Park are two areas managed by the Medina County Park District in Medina County, Ohio. The Medina County Park District owns several large tracts of land that are protected as Chippewa Lake Nature Areas located to the west and north of Chippewa Lake. Buckeye Woods Park is located to the north of the Chippewa Lake Nature Areas and is the largest park in the county system. Chippewa Lake Nature Areas will be crossed by the NEXUS Project in four separate locations along the pipeline route between MP 69.0 and 70.8 while the Buckeye Woods Park will be crossed by the pipeline between MP 71.1 and 71.3 (*see* Appendix 8E). The NEXUS Project pipeline will also cross the Chippewa Rail Trail at MP 68.8 and the Chippewa Inlet Trail at MP 70.8; both of these trails will be crossed via conventional bore.

NEXUS has minimized the amount of tree clearing necessary for construction through the Chippewa Lake Nature Areas by locating the pipeline route within agricultural and open lands as much as possible. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate

monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11. Recreational uses of the area crossed by the Project may be interrupted during installation of the pipeline.

Construction of the NEXUS Project will avoid impact to the crossing of Buckeye Woods Park as the pipeline will be installed by implementing the HDD method between MP 71.1 and 71.4 (*see* Appendix 8E). Construction activities will result in short-term increases in noise in the vicinity of those activities. Operation of the NEXUS Project pipeline will not change the existing uses of the land but maintaining previously forested lands in herbaceous cover types along the permanent easement may result in a minor change to the surrounding viewshed. NEXUS will continue to consult with the Medina County Park District and notify the district in advance of construction.

Creek Bend Farm and North Coast Inland Trail

Creek Bend Farm is managed by Sandusky County Park District and the North Coast Inland Trail is managed by the Sandusky County Park District and the Lorain County Metro Park District. Creek Bend Farm is a 310-acre park located along a two-mile stretch of the Muddy River in Washington Township, Sandusky County. The site contains over three miles of walking trails, over 70 acres of native prairie and 100 acres of pristine forested riparian corridor (FERC, 2015b). The property, listed on the National Register of Historic Places, was the home of Fran Roush and Bob Roush, former Sandusky County Commissioner. The farm contains the Wilson Nature Center, which has a wildlife library, educational classroom, children's activity area and a small meeting room. The purchase of the property was made possible by a donation from the Roush family and a grant from the Ohio Public Works Commission's Clean Ohio Conservation Fund and ODNR Coastal Restoration Grant Program (Sandusky County Park District, 2015).

The North Coast Inland Trail is a nearly 100-mile long bike trail that extends from Lorain to Toledo and is managed by the Sandusky County Park District. The trail is used by bikers, walkers, joggers, and nature enthusiasts (FERC, 2015b). The NEXUS Project pipeline will cross the trail via conventional bore in two locations, at MP 98.1 in Lorain County and at MP 151.2 in Sandusky County, where it is located along an inactive rail line that has been converted to a paved hike/bike path. NEXUS has minimized the amount of temporary construction workspace to the extent practical at both crossings. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

As shown on the site-specific crossing plan provided in Appendix 8E, the NEXUS Project pipeline will cross Creek Bend Farm between MP 153.2 to 153.4 where it will parallel an existing pipeline ROW through forested and open land. NEXUS has minimized the amount of tree clearing necessary for construction by overlapping a portion of the workspace with the existing cleared ROW and by reducing the workspace in forested areas. The temporary workspace and permanent easement will be restored as described above for the North Coast Inland Trail. NEXUS began consultations with the Sandusky County Park District in October of 2014 and will continue to consult and coordinate with the park district regarding the pipeline crossings of Creek Bend Farm and the North Coast Inland Trail and to facilitate construction and operation of the Project in these areas consistent with Sandusky County Park District requirements. In addition, NEXUS will notify the Sandusky County Park District in advance of construction.

Edison Woods Preserve

The Edison Woods Preserve is located in Berlin Heights and is an important ecological area and Audubon designated Important Bird Area. It includes headwaters to a tributary to Old Woman Creek and about 550

acres of wetland habitats, 300 acres of restored native grasslands, sandstone cliffs, and an escarpment of the Appalachian Plateau. Edison Woods is one of northern Ohio's largest native grassland restoration projects and it contains 20 miles of natural surfaced trails for pedestrians and horseback riders and a 0.5-mile-long boardwalk (Erie MetroPark, 2015). Edison Woods Preserve is managed by the Erie County Metro Parks Board. While the current pipeline alignment crosses the southwestern corner of the Edison Woods Preserve at MP 112.0, an alternative route for the pipeline in this area is under consideration that would avoid impacts to the Edison Woods Reserve as discussed in further detail in Resource Report 10, Section 10.6.2.

Michigan

Draper-Houston Meadows Preserve

Managed by the Washtenaw County Parks and Recreation Department, the Draper-Houston Meadows Preserve protects over 0.5 mile of Saline River shoreline west of the City of Milan in Washtenaw County. The preserve contains floodplain forest habitat with oak, walnut, butternut, and sycamore trees. Of particular interest is a significant stand of pawpaw, a small, understory tree with banana-like fruit, which is uncommon in Washtenaw County (Washtenaw County Parks and Recreation, 2015). The preserve is open to the public for wildlife watching and botanizing.

The NEXUS Project does not cross the Draper-Houston Meadows Preserve but abuts the property south of Mooreville Road in Washtenaw County. NEXUS has minimized effects on the preserve by avoiding the preserve boundary and will implement the NEXUS Project E&SCP and the FERC Plan and Procedures to prevent disturbance to abutting areas of the preserve.

North and South Hydro Parks

The North and South Hydro Parks are located to the east of the Ford Lake Dam in the Township of Ypsilanti, Michigan. The 46-acre North Hydro Park is located on the north shore of the Huron River and the 29-acre South Hydro Park is just south of the Huron River. According to the Ypsilanti Parks and Recreation Department website (2015), the North Hydro Park was recently renovated. It includes a boardwalk, paved trails, interpretive signage, canoe/kayak and fishing docks, pavilion, and restrooms, picnic areas and an abundance of natural features. The park is staffed and gated during the park season. The NEXUS Project pipeline will cross the North Hydro Park property from MP 250.9 to 251.1. The NEXUS pipeline does not cross the South Hydro Park but a portion of a staging area associated with the Project is located in an open area of the park near MP 250.3. No forest clearing is proposed in either of the parks.

The NEXUS Project pipeline will avoid impacts to the North Hydro Park by installing the pipeline via HDD. The temporary staging area to be used during construction at the South Hydro Park will be seeded and allowed to revegetate with no further maintenance or disturbance associated with the pipeline. NEXUS will notify the Township of Ypsilanti in advance of construction activities and will continue to consult and coordinate with the township to address any specific issues related to construction of the pipeline through the properties and continued operation of pipeline facilities.

8.4.1.2 Aboveground and Pipeline Appurtenant Facilities

No public or private conservation lands were identified within 0.25-mile of the NEXUS Project aboveground facilities.

8.4.2 Natural, Recreational, or Scenic Areas

8.4.2.1 Natural Resource Conservation Service, Farm Service Agency, and other Agricultural Certification Programs

The Federal Agricultural Act of 2014 established the Agricultural Conservation Easement Program. It repealed the Farm and Ranchland Protection Program ("FRPP"), the Grassland Reserve Program ("GRP"),

and the Wetland Reserve Program ("WRP") but does not affect the validity or terms of any FRPP, GRP, or WRP contract, agreement or easement entered into prior to the date of enactment on February 7, 2014 or any associated payments required to be made in connection with an existing FRPP, GRP, or WRP contract, agreement or easement. The USDA Natural Resources Conservation Service ("NRCS") offers easement programs to landowners who want to maintain or enhance their land in a way beneficial to agriculture and/or the environment. All NRCS easement programs are voluntary, and NRCS provides technical help and financial assistance to participating landowners (NRCS, 2014). Review of the USDA NRCS easement data layer did not identify any NRCS easement properties, including WRP lands, crossed by the Project (NRCS, 2014). The nearest WRP property was identified approximately 1,725 feet from the Project near MP 184.2 in Lucas County, Ohio.

The Conservation Reserve Program ("CRP") is a land conservation program administered by the Farm Service Agency ("FSA") and is the country's largest private-land conservation program. In exchange for a yearly rental payment, farmers enrolled in the program agree to remove environmentally sensitive land from agricultural production and to plant species that will improve environmental health and quality. Contracts for land enrolled in CRP are generally 10-15 years in length. The long-term goal of the program is to re-establish valuable land cover to help improve water quality, prevent soil erosion, and reduce loss of wildlife habitat. The Conservation Reserve Enhancement Program ("CREP") is an offshoot of the CRP. Also administered by the FSA, CREP targets high-priority conservation issues identified by local, state, or tribal governments or non-governmental organizations (FSA, 2014).

Pipeline construction in areas involving herbaceous cover will result in only temporary effects and will not negatively affect program enrollment, because restoration of the pipeline ROW after construction will be tailored in these specific areas to meet the long-term objectives for the land enrolled in these programs. Conversely, land enrolled in CRP/CREP with provisions for tree plantings that overlap the proposed permanent easement will be maintained in herbaceous cover types to facilitate monitoring of the pipeline ROW. Land located within temporary workspaces will be allowed to revegetate with no further maintenance or disturbance associated with the pipeline.

CRP lands were identified throughout the Project area in Ohio and Michigan. The disclosure of precise locations of enrolled acreage is protected under Section 1619 of the Farm Bill. For this reason, site-visits with landowners and local FSA or NRCS agents are necessary to fully assess affected properties. Site visits and landowner communications are being used to verify whether the ROW crosses CRP and CREP acreage and will help define the site-specific effects that will result from the proposed Project. Where enrolled acreage is identified as crossed by the Project, NEXUS will work with landowners and local FSA and NRCS officials to determine how the crossing of CRP/CREP lands by the Project affects the continued participation in the program by landowners. Additional information will be acquired from the landowners during easement negotiations. NEXUS had identified potential lands enrolled in the FSA Program crossed by the NEXUS Project in Table 8.4-2, which is filed as Privileged and Confidential information in Volume III of the Environmental Report).

To mitigate effects of land disturbance in CRP and other FSA conservation program areas, NEXUS may implement the following mitigation measures, in addition to measures provided in the NEXUS Project E&SCP (Resource Report 1, Appendix 1B1) designed for the Project:

- For verified enrolled acreage in CRP and other FSA conservation program areas, assist appropriate landowners with contacting their local FSA offices;
- Confer with appropriate FSA offices to ensure that these consultations meet FSA requirements; and
- Consult the state-specific NRCS Field Office Technical Guide for restoration revegetation and mitigation of areas impacted by construction.

8.4.2.2 State Designated Scenic Rivers

Ohio

Maumee Scenic River

Located in northwestern Ohio, the Maumee River flows northeasterly through portions of Paulding, Defiance, Henry, Wood, and Lucas Counties (ODNR, 2015b). The river was designated a State Scenic River on July 18, 1974. The scenic portion of the Maumee River originates at the Ohio-Indiana state line and extends 43 miles to the U.S. Route 24 Bridge, west of Defiance, placing it well west of the NEXUS Project pipeline crossing of the Maumee River by HDD between MP 181.4 to 181.8. As such, impacts to the scenic portion of the Maumee River will be avoided.

Michigan

In Michigan, the Natural Rivers Act (Part 305, P.A. 451 of 1994) authorizes the Natural Resources Commission to establish a system of "natural rivers" in the state to provide for their preservation, protection and enhancement. In 1980, a portion of the Huron River from Kent Lake Dam in Livingston County to Barton Pond, north of Ann Arbor, in Washtenaw County was designated as a Natural River District (Michigan Department of Natural Resources, 2015b). The NEXUS Project pipeline crosses the Huron River via HDD at MP 250.9 which is approximately 12 miles southeast of the Huron River Natural River District. No state-designated scenic rivers are crossed by or located within 0.25 mile of any Project facility in Michigan.

8.4.2.3 Scenic Highways

Ohio

Ohio & Erie Canalway America's Byway

Nationally designated in 2000 as "America's Byway", the Ohio & Erie Canalway Byway approximates travel alongside the historic path of the Ohio & Erie Canal (Ohio & Erie Canalway Association, 2015a). America's Byways is an umbrella term used for a collection of 150 distinct and diverse roads designated by the U.S. Secretary of Transportation as either National Scenic Byways or All-American Roads in the U.S. (U U.S. Department of Transportation, 2015a). As part of the National Scenic Byways Program, America's byways are administered by the Federal Highway Administration of the U.S. Department of Transportation.

The NEXUS Project pipeline crosses the Ohio & Erie Canalway Byway via the proposed HDD crossing of the Tuscarawas River (MP 47.9) where it parallels Van Buren Road in Summit County, Ohio. This crossing of the Tuscarawas River is shown in Appendix 2A of Resource Report 2. Therefore, there will be no impact to the Ohio & Erie Canalway Byway. Effects to recreational uses of the area may include temporary construction noise associated with the HDD activities during the construction phase of the Project.

Maumee Valley Scenic Byway

The Ohio Department of Transportation's ("ODOT") Ohio Scenic Byways Program is a grass-roots effort to heighten awareness of Ohio's cultural, historical, archaeological, recreational, natural and scenic resources (ODOT, 2015a). The Maumee Valley Scenic Byway follows the north side of the Maumee River from Defiance to Maumee, Ohio. The nearly 90-mile route also follows the south side of the Maumee River from Napoleon to Rossford, Ohio. The NEXUS Project pipeline crosses the Maumee Valley Scenic Byway at MP 181.2 where the byway follows along West River Road, southeast of the Maumee River. A second crossing of the byway is located at MP 181.8 where the byway follows along South River Road. The Maumee Valley Scenic Byway will not be affected by construction or operations of the Project as the pipeline will be installed beneath these roads via the HDD crossing proposed for the Maumee River (*see* Appendix 2A of Resource Report 2).

Lincoln Highway Historic Byway

Designated by the ODOT as a Historic Byway, the Lincoln Highway (OH-9/US-30) represents the first roadway system created in support of the car (ODOT, 2015b). Beginning in New York and ending in San Francisco, it was conceived in 1913 as the first highway from the Atlantic to the Pacific that would carry motor traffic. The NEXUS Project pipeline will be installed by boring under the Lincoln Highway Historic Byway at MP 2.0 in the Town of Hanover, Ohio. The boring method allows the road to remain in service while the installation process takes place and eliminates the potential for trench settlement. The boring method is discussed in detail in Section 1.7.1.7 of Resource Report 1.

Michigan

No national or state-designated Scenic Byways are crossed by or located within 0.25 mile of any Project facility in Michigan (Michigan Department of Transportation, 2015). However, the NEXUS pipeline crosses U.S. Highway 12, a designated State Historic Byway in two locations at MP 254.5 and MP 254.9. This historic byway began as the Great Sauk Trail, a Native American trail that extended from Ypsilanti Township, Michigan to Chicago, Illinois (U.S. Department of Transportation, 2015b). Today, the trail is known as the US-12 Heritage Trail. The NEXUS Project pipeline will be installed by boring under the road at both crossings. This allows the road to remain in service while the installation process takes place and eliminates the potential for trench settlement. The boring method is discussed in detail in Section 1.7.1.7 of Resource Report 1.

8.4.2.4 Recreational Trails

Ohio

Statewide Bike Route

Various counties, cities and townships have worked together to identify public bike routes throughout the State of Ohio. As shown in Table 8.4-1, the NEXUS Project will cross eight of these mapped bike routes in various locations including MP 8.0, MP 18.3, MP 68.3, MP 110.2, MP 116.3, MP 128.8, MP 178.1, and MP 183.1. In each of these locations, the bike route follows an existing road. NEXUS will avoid impact to two of the road and bike route crossings (MP 8.0 and MP 110.2) by installing the pipe via HDD. NEXUS will install the pipeline at each of the six remaining crossings by boring a hole under the road and corresponding bike route. The HDD and boring methods help avoid direct impacts to infrastructure and allow the roads and bike routes to remain in service while the installation process takes place. NEXUS will avoid and minimize effects on the recreational use of bike trails during construction to the extent practicable and through communications with existing landowners and will work with landowners to facilitate continued recreational use of these bike trails during operations.

Cuyahoga Valley Scenic Railroad

Owned and operated by Metro Regional Transit Authority, this rail line is currently identified as a scenic railroad. The NEXUS Project pipeline crosses the railroad at MP 34.3. The NEXUS Project pipeline will be installed by boring under the railroad. This allows the railroad to remain in service while the installation process takes place and eliminates the potential for trench settlement. The boring method is discussed in detail in Section 1.7.1.7 of Resource Report 1.

Buckeye Trail

The Buckeye Trail is a 1,444-mile hiking trail that winds around the State of Ohio, forming a loop through various towns and counties. The NEXUS Project pipeline crosses the Buckeye Trail in nine locations including MP 33.0, MP 34.0, MP 41.0, MP 47.9, MP 78.0, MP 151.7, MP 162.4, MP 179.9, and MP 181.7. Five of these crossings (MP 41.0, MP 47.9, MP 162.4, MP 179.9, and MP 181.7) will not be affected during construction of the Project as they will be crossed by HDD. NEXUS will install the pipeline at each of the four remaining crossings by boring a hole under the road and corresponding trail. The HDD and boring

methods help avoid direct impacts to infrastructure and allow the roads and trails to remain in service while the installation process takes place. NEXUS will avoid and minimize effects on the recreational use of trails during construction to the extent practicable and through communications with existing landowners and will work with landowners to facilitate continued recreational use of trails during operations.

Michigan

No scenic or recreational trails were identified within 0.25-mile of the Project in Michigan (Michigan Department of Natural Resources, 2015a).

8.4.2.5 Private Recreational Areas

Ohio

Camp Y-Noah

Camp Y-Noah is owned by the Akron Area/Summit County Young Mens Christian Association ("YMCA"). Camp Y-Noah is a 290-acre facility with low and high adventure courses, hiking trails, a 22-acre private lake, and several types of accommodations. It is both a day camp and a resident summer camp for children ages 6-17. The camp offers camping trips, public trail rides, private riding lessons and is home to the Kent State Equestrian team, with a year-round riding facility for children and adults (FERC, 2015a).

The pipeline construction workspace at MP 40.9 is located approximately 940 feet north of the YMCA-owned land in the City of Green, east of the Nimisila Reservoir crossing. A previous alignment of the pipeline, submitted in the June Pre-Filing submittal to the FERC, crossed the northwestern corner of Camp-Y Noah property. The pipeline route has been relocated to the north and the camp is no longer crossed by the Project (*see* Nimisila Reservoir Alternative in Section 10.5.2.1 of Resource Report 10).

Camp Timberlane

A previous alignment of the pipeline, submitted in the June 2015 Pre-Filing submittal to the FERC, crossed Camp Timberlane, a property owned by the Girl Scouts of North East Ohio and located in Wakeman, Ohio. After the June Pre-Filing, NEXUS modified the pipeline crossing location to avoid this camp (*see* Section 10.6.1 in Resource Report 10). The pipeline is now proposed approximately 1,600 feet south of Camp Timberlane.

Erie County Conservation League

The Erie County Conservation League is a private recreational center that is open to the public. The center is located on Mason Road in the Township of Milan, Erie County, Ohio. The facilities include trap and skeet shooting ranges, an archery range, and several rifle shooting ranges of various distances. The parcel will be crossed by the NEXUS Project pipeline between MP 118.5 to 118.8. The pipeline will be located within open and forested lands adjacent to, and south of, an existing electric transmission line. NEXUS has minimized the amount of tree clearing necessary for construction by overlapping a portion of the workspace with an existing cleared ROW and by reducing the workspace in forested areas. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

With the exception of temporary construction noise occurring during the construction phase of the NEXUS Project, the Project will not impact the recreational activities or facilities associated with the parcel. NEXUS will notify the Erie County Conservation League in advance of construction and coordinate with landowners to address specific issues and concerns regarding construction and operation of the Project.

Riverby Hills Golf Club

The Riverby Hills Golf Club is a privately-owned 18-hole golf course located on West River Road south of the Maumee River in Bowling Green, Ohio. The southwestern corner of the Riverby Hills Golf Course will be crossed by the construction workspace of the pipeline at MP 180.8. Following construction, the entire ROW will be restored. The temporary workspace used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations. Most land uses, except forest habitat located within the 50-foot wide permanent easement, will be allowed to revert to pre-construction uses following construction. NEXUS will maintain the area over the pipeline and within the permanent easement in herbaceous cover types to facilitate monitoring of the pipeline ROW as part of the integrity management program further described in Resource Report 11.

With the exception of short-term increases in noise occurring during the construction phase of the NEXUS Project, the Project will not impact the recreational activities or facilities associated with the parcel. NEXUS will coordinate with the property owners to address specific issues and concerns regarding construction and operation of the Project. In addition, NEXUS will notify the property owners in advance of construction.

Michigan

The Ponds at Lakeshore Disc Golf Course

The Ponds at Lakeshore Disc Golf Course is a public 18-hole Frisbee golf course located on Lake Shore Boulevard in the Township of Ypsilanti, Michigan. Set on a 90-acre parcel north of the Ford Lake Dam, the disc golf course is open daily throughout the year (DG Course Review, 2015). The NEXUS Project pipeline crosses this property along the eastern boundary, west of Bridge Road, from MP 251.2 to 251.4. NEXUS has minimized effects on the golf course by locating the proposed route along the eastern perimeter of the property where it parallels Bridge Road. Construction activities will result in short-term increases in noise in the vicinity of those activities. NEXUS will consult and coordinate with the property owners to address any specific issues related to construction of the pipeline through the property and continued operation of pipeline facilities. In addition, NEXUS will notify the property owners in advance of construction.

8.4.3 Hazardous Waste Sites

NEXUS conducted field and database research to identify, to the extent feasible, properties within one mile of the Project facilities previously impacted with oil and/or hazardous materials. A search completed by Environmental Data Resources, Inc. ("EDR") identified various types of potential and actual sources of contamination to soil and groundwater resources near the proposed Project facilities in Michigan and Ohio. Information from EDR is a compilation of a variety of available federal, state, and local government databases. A list of EDR-identified sites within 0.25-mile of the Project is presented in Table 8.4-3. A discussion of contaminated soils is provided in Sections 7.4.6 and 7.5.7 of Resource Report 7 and contaminated groundwater is described in Section 2.2.4 of Resource Report 2.

Of the 109 reported occurrences along the Project pipeline in the databases queried by EDR, 38 sites are located between 100 and 500 feet from the pipeline and thirteen are less than 100 feet from the pipeline, which suggests that the likelihood of encountering contaminated soils along the Project route is low. See Resource Report 7, Section 7.4-6 for a description of one potentially contaminated site crossed by the Project. Only Willow Run M&R Delivery Station (MR04), located in a highly industrialized area, is located within 500 feet of an EDR identified site.

NEXUS does not anticipate encountering hazardous materials during construction and operation of Project facilities. Should unexpected hazardous materials be encountered during construction, NEXUS will stop work and contact the appropriate state and federal agencies and will develop a site-specific Hazardous

Waste Management Plan in consultation with applicable agencies to address management and disposal of hazardous materials in accordance with applicable regulations.

8.4.4 Coastal Zone Management Areas

The Coastal Zone Management Act was enacted as a national policy in 1972 to preserve, protect, develop, and where possible, restore or enhance, the resources of the Nation's coastal zone and to encourage states to develop and implement coastal zone management plans. The Coastal Zone Management Act provides states with the authority to review federal projects, including FERC-certificated projects, to ensure that they are consistent with state's enforceable coastal zone management plans. This process is called federal consistency review.

Coastal zone boundaries for each state were identified from the National Oceanic and Atmospheric Administration ("NOAA") and Coastal Zone Resource Management Program website, and from the Coastal Zone Management programs and maps provided by individual state programs. NOAA provides a description of coastal zone boundaries for each state (NOAA, 2012). No designated coastal zone management areas would be crossed by, or are located within 0.25 mile, of any Project facility in Michigan (Michigan Department of Environmental Quality, 2015); therefore, a coastal zone consistency determination is not required for Project facilities proposed in Michigan.

In Ohio, the Lake Erie Coastal Zone Management Area ("Lake Erie CZMA") includes portions of nine counties bordering Lake Erie and its tributaries (NOAA, 2012). The NEXUS Project pipeline crosses a portion of the Lake Erie CZMA, which encompasses the Sandusky River, from MP 144.5 to 146.2 (*see* Figure 8.4-2a). NEXUS is proposing to avoid impacts to the Sandusky River by implementing the HDD crossing method from MP 145.7 to 146.1.

Within areas of the Lake Erie CZMA that are outside of the HDD crossing segment (MP 144.5 to 145.7 and MP 146.1 to 146.2), the construction workspace for the pipeline primarily crosses: agricultural land (97 percent); small amounts of commercial/industrial land (<1 percent) consisting of public roads and highways (including Interstate 80); and, open maintained lands (2 percent) associated with the public roads. Following construction, the entire pipeline ROW will be restored to preconstruction condition in accordance with the NEXUS Project E&SCP (Resource Report 1, Appendix 1B1) and a 50-foot wide permanent easement will be maintained by NEXUS. Temporary workspaces used during construction will be seeded and allowed to revegetate with no further maintenance or disturbance associated with pipeline operations.

Activities associated with construction of the NEXUS Project pipeline within the Lake Erie CZMA are subject to the federal consistency requirement implemented by the ODNR. No other facilities proposed for the Project will occur in the Lake Erie CZMA. The Project is consistent with the enforceable policies of the Ohio Coastal Management Program. These findings will be summarized in the federal consistency certification application to be filed with the ODNR in the fourth quarter of 2015.

8.5 Agency and Landowner Consultation

Section 1.12 of Resource Report 1 provides an overview of the agency and public participation process for the Project and identifies dates and locations of open houses and agency meetings. The NEXUS community outreach program is also described in Section 1.12 of Resource Report 1 and Appendix 1C3, NEXUS Public and Agency Participation Plan. A list of agencies contacted for information, consultation, or technical assistance during preparation of this Environmental Report is provided in Appendix 1C1 and copies of correspondence received to date are provided in Appendix 1C2. Any agency correspondence received following submittal of the Certificate Application will be provided to the Commission with the monthly reports.

8.6 Aesthetic Resources

Aesthetic resources include visual or scenic resources, and ambient noise levels. Potential adverse effects to visual resources may occur from noticeable, unwelcome change to the visual quality of a landscape setting. Adverse effects to the typically low levels of background noise that characterize some rural areas and some special interest areas (recreation, natural areas, parks) would occur from the generation of intrusive sounds and noise from the pipeline construction and from construction and operation of aboveground facilities. Noise related effects are discussed in Resource Report 9; this section addresses visual or scenic resources only.

Construction and operation of infrastructure such as pipelines and associated above-ground facilities have the potential to affect recreational areas and special interest areas with respect to recreational activities, public access, and resources protected by land management agency regulations. Construction may alter visual quality by removing existing vegetation and disturbing soils. Construction may also interfere with or diminish the quality of the recreational experience by affecting wildlife movements or disturbing trails. Visual effects from construction activities occur only for the duration of construction activities, and would generally not conflict with management objectives of public land managing agencies for the affected areas.

With respect to Project construction, there would be no long-term adverse effect to visual resources. Visual effects to public uses of specific public and recreational land use areas such as parks and trails are addressed below.

With respect to Project operation, long-term effects to visual resources would include the long-term or permanent removal of vegetation in operating ROWs and aboveground facility operating footprints, as well as the addition of new structures into the landscape as seen from sensitive viewpoints, which include residences and public use areas (parks, open space, state forests, *etc.*) where visitors may have a concern for the scenic quality of the landscape. These are discussed below.

8.6.1 Pipeline Facilities

The proposed NEXUS pipeline will be located entirely underground. Therefore, other than the maintained permanent ROW above the pipeline, the pipeline will have no visual impact once constructed. The pipeline ROW will have some long-term effects in areas where the existing cover is changed from forested or shrub/scrub habitats to maintained open land. The current NEXUS pipeline route is co-located with existing utility rights of way for approximately 45 percent of the proposed route; with an additional 42 percent of the route [that is not co-located with existing utilities], crossing agricultural land uses, resulting in a total of 87 percent of the proposed pipeline route sited to avoid conversion of existing land uses. Thus, the proposed pipeline ROW will be consistent with existing conditions and will have minimal visual impact for most of the route. Any and all other screening issues will be discussed during easement negotiations with individual property owners. In situations where all screening is removed, strategically planting fast-growing evergreens will be considered. Visual effects also can occur where vegetation removal occurs in designated scenic areas, sites, or corridors if proposed activities cannot be mitigated to meet the regulatory objectives of the associated management plans. Vegetation removal may also affect public recreational areas that are valued for their scenic qualities. Recreational areas valued for scenic qualities located in the vicinity of the Project are described in the sections below.

The Federal Highway Administration, America's Byways program; the scenic byway and highway programs of Ohio and Michigan; and other visual or scenic resource management programs of affected counties and other local jurisdictions were reviewed to identify any designated scenic sites, vistas, roads and corridors potentially affected by the Project. County and municipal comprehensive and land use plans were reviewed to identify goals and objectives for scenic resources, and regulatory tools such as ordinances to implement scenic resource objectives were also reviewed. Generally, many counties and communities affected by the Project identify the preservation and protection of scenic resources as important objectives; however, most affected county and municipal land planning agencies do not include regulations in

ordinances for scenic areas, or utilize design guidelines. Local planning for scenic resources is addressed below only for those jurisdictions that have implemented planning tools to protect and preserve scenic resources.

Ohio

The Cuyahoga Valley Scenic Railroad, owned and operated by Metro Regional Transit Authority, is an identified scenic railroad. The NEXUS Project pipeline crosses the railroad at MP 34.3. The NEXUS Project pipeline will be installed by boring under the railroad. Operations of the buried pipeline will have no permanent adverse impact on the scenic quality of the Cuyahoga Valley Scenic Railroad. Short-term temporary impacts to the scenic quality of the railroad would result from boring activities during construction on either side of the railroad. The closest aboveground facility to this crossing is MLV-2, which is located approximately 1.2 miles to the southeast at MP 32.6. Due to its distance from the crossing, MLV-2 will have no adverse impact on this scenic resource. The NEXUS will consult and coordinate with the property owners to address any specific issues related to construction of the pipeline through the property and continued operation of pipeline facilities.

The scenic portion of the Maumee River at the Project crossing between MP 181.4 and 181.8 is a designated visual resource which has been identified in the vicinity of the Project facilities in Ohio. The Project would cross the Maumee River in Wood and Lucas Counties by HDD. Missionary Island Wildlife Area, located within the Maumee River, and the Farnsworth Metropark Trail/Towpath, located on the western shore of the Maumee River are not expected to be affected by the construction and operation of the project pipeline, as these areas would also be crossed by HDD. The workspaces associated with the HDD enter and exit locations are located in active agricultural fields approximately 0.14 mile northwest and 0.12 mile southeast of the Maumee River respectively. Furthermore, there are forested areas located between the HDD workspaces and the Maumee River. NEXUS will not perform tree clearing between the HDD entry and exits points. Operations of the buried pipeline after construction will have no permanent adverse impacts on the scenic quality of these areas. Short-term temporary impacts to the scenic quality of the river is not expected as the HDD enter and exit points are buffered by forested areas. No effect to boating uses of the river are anticipated in this location as the HDD crossing method will be utilized at the crossing and forested areas are expected to buffer noise from construction associated with the HDD . The closest aboveground facility to these areas is the Waterville Compressor Station, which is located approximately 1.5 miles to the northwest of the resources and will not be visible from the river; no effects are expected on the Maumee River, Missionary Island Wildlife Area, or the Farnsworth Metropark Trail/Towpath as a result of the Waterville Compressor Station. No effects to visual resources of the scenic portion of the Maumee River are anticipated as the crossing of the river will be by HDD, which effectively eliminates any effects on the visual environment.

The NEXUS Project pipeline will cross the Maumee Valley Scenic Byway at MP 181.2 where the byway follows along West River Road, southeast of the Maumee River. A second crossing of the byway located is located at MP 181.8 where the byway follows along South River Road. Neither crossing of the byway is expected to be affected as the pipeline will be installed via HDD in both of these areas and for reasons described in the above paragraph for the Maumee River crossing.

Michigan

As previously discussed, no scenic corridors in Michigan will be crossed by the pipeline facilities; therefore, no visual effects on scenic byways are anticipated in the Project area in Michigan.

8.6.2 Aboveground Facilities

An assessment of visual impacts in the vicinity of proposed aboveground facilities is provided in the following sections. For the majority of sites, existing vegetation and/or the absence of existing residences within close proximity to proposed aboveground facilities effectively avoids potential visual impacts.

Additionally, NEXUS has designed aboveground facilities to preserve existing tree buffers within purchased parcels to the extent practicable. While not anticipated, in the event that views of the proposed aboveground facilities from adjacent roadways or residences affect the aesthetics of an area following construction, NEXUS will evaluate and implement measures as needed to minimize visual effects on the area(s) of concern. Potential mitigation measures may include providing additional visual screening such as planting shrubs and trees and installing slatted fencing. Installing slats in chain link fencing enhances the appearance of the fencing and assists in screening minor aboveground facilities from view. Slats can be of a color (brown, green, and/or gray hue) selected to blend with the existing surroundings. Potential compressor station noise effects to nearby noise-sensitive areas are addressed in Resource Report 9.

8.6.2.1 Compressor Stations

Outdoor lighting for the new compressor stations will be limited to the minimum amount required for security during unattended night time operation. The station security systems incorporate outdoor video cameras that must have sufficient outdoor lighting to record clear images at night. The station main gate along with the station yard and all building entry and exit doors will have lighting for security, but will have directional control or will be positioned in a manner that minimizes their visibility in the direction of local residences.

Each of the compressor stations will have one associated communication tower. Tower heights at all locations have been selected to be lower than Federal Aviation Administration regulatory requirements for tower lighting which is 200 feet above ground level, and therefore no tower lighting will be required.

Hanoverton Compressor Station

Construction and operation of the Hanoverton Compressor Station is not expected to have an adverse visual effect on adjacent land uses due to the presence of existing vegetative screening. The site is located on State Route 644 within an agricultural field that is bordered by hardwood forest to the east, north, and west. The station will be located over 700 feet north of State Route 644 and accessed from a permanent access road. The nearest residence is located approximately 360 feet to the east of the compressor station's office warehouse along State Route 644 and over 700 feet east of the proposed compressor station gas facilities. NEXUS will install slatted fencing around the perimeter of the station to minimize visual effects. The Hanoverton Compressor Station site is shown on the compressor station site plans included in Appendix 1A.

A communication tower will be constructed and operated at the Hanoverton Compressor Station. A visual impact assessment has been performed for the communication tower (see Appendix 8F).

Wadsworth Compressor Station

Construction and operation of the Wadsworth Compressor Station is not expected to have an adverse visual effect on adjacent land uses given the distance from public roads and few nearby residences. The compressor station facilities will be located over 900 feet to the east of Guilford Road and over 500 feet to the north of I-76/US-24. The compressor station will be accessed from Guilford Road which is located to the west of the site. The station site is bordered by forest to the east and the access road will be bordered by a narrow treeline along the southern boundary. There is currently a home and barns on the western boundary of the property adjacent to Guildford Road approximately 640 feet from the compressor station facility. This residence and associated buildings will be purchased as part of the station. There are few homes in the area adjacent to Guilford Road, including this residence, and there are no residences between the compressor station site and I-76/US-24. NEXUS will install slatted fencing around the perimeter of the station to minimize visual effects. The Wadsworth Compressor Station site is shown on the compressor station site plans included in Appendix 1A – Volume IV of Resource Report 1.

A communication tower will be constructed and operated at the Wadsworth Compressor Station. A visual impact assessment has been performed for the communication tower (see Appendix 8F).

Clyde Compressor Station

Construction and operation of the Clyde Compressor Station is expected to create a noticeable change in the existing landscape as viewed from the public roads abutting the compressor station property. The Clyde Compressor Station site is bordered by Interstate 80/90 to the north and N County Road 294 to the west. State Highway 101E is approximately 400 feet east of the station's southeastern corner. There is no existing screening tree buffer between any of the roads and the property. The nearest residence is located approximately 340 feet to the south of the proposed compressor station access road. The new Clyde Compressor Station will be located in an existing agriculture field. NEXUS will install slatted fencing around the perimeter of the station to minimize visual effects. The Clyde Compressor Station site is shown on the compressor station site plans included in Appendix 1A – Volume IV of Resource Report 1.

A communication tower will be constructed and operated at the Clyde Compressor Station. A visual impact assessment has been performed for the communication tower (see Appendix 8F).

Waterville Compressor Station

Construction and operation of the Waterville Compressor Station is expected to create a noticeable change in the existing landscape as viewed from U.S. Highway 24, which abuts the eastern boundary of the compressor station property. No existing screening tree buffer is located between the road and the property. The compressor station site is located in, and surrounded by, extensive agricultural fields. The nearest residence is located approximately 600 feet to the east of the proposed compressor location, on the opposite side of U.S. Highway 24. NEXUS will install slatted fencing around the perimeter of the station to minimize visual effects. The Waterville Compressor Station site is shown on the compressor station site plans included in Appendix 1A – Volume IV of Resource Report 1.

A communication tower will be constructed and operated at the Waterville Compressor Station. A visual impact assessment has been performed for the communication tower (see Appendix 8F).

8.6.2.2 M&R Stations

TGP M&R Receipt Station

Construction and operation of the TGP M&R Receipt Station is not expected to have a significant effect on visual resources given the site's distance from roads, few residences in the immediate area, and some forest buffers. The M&R station will be located over 400 feet to the southeast of McKaig Road and over 700 feet to the east of State Route 644. A small tree buffer is located at the intersection of McKaig Road and State Route 644 and will provide screening for a short distance along these roads. The site will be accessed from McKaig Road to the north. The M&R station site is located in, and surrounded by, agricultural fields. A tree buffer is located on the eastern boundary of the M&R station site. The nearest residence is located approximately 580 feet to the northwest of the M&R station, to the east of State Route 644. This residence is buffered from the M&R station by a small stand of trees. Plot Plans of the proposed TGP M&R Receipt Station are filed as Privileged and Confidential information in Volume III of the Environmental Report.

Kensington M&R Receipt Station and Texas Eastern M&R Receipt Station

Construction and operation of the Kensington M&R Receipt Station and Texas Eastern M&R Receipt Station is not expected to have a significant effect on visual resources given comparable current land uses in the area. The Kensington M&R Receipt Station will be located at the tie in of the NEXUS mainline at MP 0.0 to the Kensington Processing Plant. The Texas Eastern M&R Receipt Station will be located to the east of the Kensington M&R Receipt Station. The stations will be visible from Tunnel Hill Road, which abuts the eastern boundary of the Texas Eastern M&R Receipt Station. The sites are located in, and surrounded by, agricultural fields. A tree buffer is located to the north and west of the M&R station sites; just to the west of the narrow line of trees is the Kensington Processing Plant. Kensington Processing Plan is currently visible from Tunnel Road. The nearest residence is located approximately 520 feet to the

northeast of the Texas Eastern M&R Receipt Station, to the east of Tunnel Hill Road. Minimal visual effect on nearby residences is anticipated, since the current land directly adjacent to the site is the same as what is proposed (i.e., industrial/commercial). Plot Plans of the proposed M&R stations are filed as Privileged and Confidential information in Volume III of the Environmental Report.

Dominion East Ohio M&R Delivery Station

Construction and operation of the Dominion East Ohio M&R Delivery Station is expected to create a noticeable change in the existing landscape as viewed from I-80/I-90, which is located approximately 300 feet to the south of the M&R Station boundary, and from Billings Road which is located adjacent to the western boundary of the station. No existing screening tree buffers are located between the interstate and Billings Road and the property. The M&R site is located in an agricultural field. Forested land is located on the eastern side of the agricultural field. The nearest residential structure is located approximately 200 feet to the west of the M&R station site boundary, on the opposite side of Billings Road. NEXUS will install slatted fencing around the perimeter of the station to minimize visual effects. Plot Plans of the proposed M&R stations are filed as Privileged and Confidential information in Volume III of the Environmental Report.

Willow Run M&R Delivery Station

Construction and operation of the Willow Run M&R Delivery Station is not expected to have an adverse effect on visual resources given its location adjacent to industrial/commercial development (i.e., the DTE Gas Company facility at Willow Run in Michigan). The Willow Run M&R Delivery Station would be briefly visible to eastbound and westbound travelers on E Michigan Avenue and to westbound travelers on US-12. The M&R Station would be directly adjacent to an existing DTE gas facility and a rail yard; the proposed land use is similar to current uses in the adjacent area. The nearest residence is approximately 570 feet to the east of the proposed meter station. No visual effect on nearby residences is anticipated, since the current land use at the site is the same as what is proposed (i.e., industrial/commercial). Plot Plans of the proposed M&R stations are filed as Privileged and Confidential information in Volume III of the Environmental Report.

8.6.2.3 Pipeline Appurtenant Facilities

The proposed pig launcher and receiver facilities are located within the proposed compressor or M&R station sites; therefore, visual effects of these facilities are included in the compressor and M&R station sections above. Seventeen MLVs are proposed along the pipeline ROW. These facilities are small in scale, and will be located within the permanent easement. They would generally be unobtrusive because they are small and would be painted to harmonize with surrounding landscape colors. NEXUS has reviewed the location of these MLVs and does not anticipate any effect to surrounding aesthetics due to one or more of the following factors at each site: the size of the facilities, the distance from nearest residences and roadways, the presence of existing vegetation, and/or proximity to existing utility infrastructure. As mentioned above, if visual effects are identified post-construction, NEXUS will implement plantings of screening vegetation or installation of slatted fencing to minimize effects on visual resources from the MLVs.

A communication tower will be constructed and operated at MLV-16, which is located at approximately MP 228.3, in Lenawee County, Michigan. A visual impact assessment has been performed for the communication tower (*see* Appendix 8F).

8.7 Application for Right-of-Way and other Land Use

The NEXUS Project will cross the North Country National Scenic Trail in three locations: MP 3.5 in Columbiana County where the trail follows Buffalo Road, MP 189.9 in Henry County, and MP 195.8 in Fulton County. The NEXUS Project pipeline will cross the Wabash Cannonball Trail in two locations at MP 189.9 and MP 195.8 where the trail coincides with the North Country National Scenic Trail. The

NEXUS Project will also cross the Ohio & Erie Canalway at the HDD crossing of the Tuscarawas River at MP 47.9. A detailed discussion of the crossing of each land is provided in Section 8.4.1 and Site-Specific Crossing Plans for each of these crossing locations are provided in Appendix 8E (and Appendix 2A of Resource Report 2 for the Tuscarawas and Ohio & Erie Canalway HDD crossing). NEXUS is in the process of consulting with all affected agencies regarding the proposed crossings of these lands and the associated applications for ROW or land use that may be required. Communications with applicable agencies are on-going and results of negotiations to date are included in Section 1.12.23 of Resource Report 1.

State lands under the jurisdiction of various Ohio state agencies are crossed in some of the Ohio counties affected by the Project. A discussion of these crossings is provided in Section 8.4.1. Site-Specific Crossing Plans for each of the state land crossings is provided in Appendix 8E. NEXUS is in the process of consulting with all affected state agencies regarding the proposed crossings of these state-owned and -managed parcels and the associated applications for ROW or land use that may be required. Communications with applicable agencies are on-going and results of negotiations are included in Section 1.12.3 of Resource Report 1.

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TABLES

TABLE 8.2-1

Land Uses Crossed by the NEXUS Project Pipeline Facilities

State, Facility	County	Forest/ Woodland a/ Miles	Forest/ Woodland a/ %	Agricultural b/ Miles	Agricultural b/ %	Open Land c/ Miles	Open Land c/ %	Residential d/ Miles	Residential d/ %	Industrial/ Commercial e/ Miles	Industrial/ Commercial e/ %	Open Water f/ Miles	Open Water f/ %	Total Miles
Ohio														
Mainline	Columbiana	2.35	18.7	7.59	60.5	2.40	19.1	0.09	0.7	0.10	0.8	0.02	0.2	12.6
	Stark	2.81	13.0	15.57	71.9	2.67	12.4	0.30	1.4	0.20	0.9	0.09	0.4	21.6
	Summit	6.22	38.4	4.98	30.7	3.70	22.8	0.98	6.0	0.18	1.1	0.15	0.9	16.2
	Wayne	1.52	23.2	3.25	49.6	1.45	22.1	0.22	3.4	0.08	1.3	0.03	0.5	6.6
	Medina	2.96	12.6	15.88	67.5	3.86	16.4	0.44	1.9	0.28	1.2	0.10	0.4	23.5
	Lorain	2.82	13.6	15.47	74.3	2.18	10.5	0.09	0.5	0.12	0.6	0.11	0.6	20.8
	Huron	0.45	13.1	2.79	81.0	0.13	3.9	0.00	0.0	0.02	0.5	0.05	1.5	3.4
	Erie	2.79	10.4	21.57	80.5	1.83	6.8	0.20	0.8	0.25	0.9	0.14	0.5	26.8
	Sandusky	2.27	7.0	27.72	86.1	1.50	4.7	0.05	0.2	0.36	1.1	0.31	1.0	32.2
	Wood	1.49	8.4	14.68	82.8	1.21	6.8	0.01	0.1	0.18	1.0	0.15	0.9	17.7
	Lucas	0.34	4.3	7.04	89.6	0.15	1.9	0.00	0.0	0.09	1.2	0.24	3.0	7.9
	Henry	0.35	38.1	0.49	53.0	0.04	4.6	0.03	3.0	0.00	0.5	0.01	0.8	0.9
	Fulton	0.55	3.1	16.86	93.2	0.36	2.0	0.07	0.4	0.14	0.8	0.10	0.6	18.1
Ohio Mainline Subtotal:		*26.92*	*12.9*	*153.89*	*73.9*	*21.49*	*10.3*	*2.48*	*1.2*	*2.02*	*1.0*	*1.50*	*0.7*	*208.3*
Michigan														
Mainline														
	Lenawee	0.19	0.9	21.15	95.9	0.40	1.8	0.00	0.0	0.16	0.7	0.14	0.6	22.1
	Monroe	0.09	1.4	5.96	92.4	0.22	3.4	0.08	1.2	0.07	1.0	0.03	0.5	6.5
	Washtenaw	2.28	12.9	10.37	58.8	3.54	20.1	0.12	0.7	1.22	6.9	0.12	0.7	17.6
	Wayne	0.28	38.7	0.00	0.0	0.34	47.3	0.00	0.0	0.10	14.1	0.00	0.0	0.7
Michigan Mainline Subtotal:		*2.83*	*6.0*	*37.48*	*80.0*	*4.51*	*9.6*	*0.20*	*0.4*	*1.55*	*3.3*	*0.30*	*0.6*	*46.9*
NEXUS Mainline Pipeline Total:		***29.8***	***11.7***	***191.4***	***75.0***	***26.0***	***10.2***	***2.7***	***1.0***	***3.6***	***1.4***	***1.8***	***0.7***	***255.2***
Ohio														
TGP Interconnecting Pipeline	Columbiana	0.03	3.4	0.47	52.5	0.38	42.6	0.00	0.0	0.01	1.5	0.00	0.0	0.9
TGP Interconnecting Pipeline Total:		**0.03**	**3.4**	**0.47**	**52.5**	**0.38**	**42.6**	**0.00**	**0.0**	**0.01**	**1.5**	**0.00**	**0.0**	**0.9**

Note: Minor discrepancies due to rounding.

a/ Upland and wetland forest.
b/ Active hayfields, cultivated land, and specialty crops.
c/ Utility right-of-ways ("ROWs"), open fields, vacant land, pasture, herbaceous and scrub-shrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf

TABLE 8.2-1

Land Uses Crossed by the NEXUS Project Pipeline Facilities

State, Facility	County	Forest/ Woodland a/		Agricultural b/		Open Land c/		Residential d/		Industrial/ Commercial e/		Open Water f/		Total
		Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles

courses, and open land portions of municipal, county, state, and federal lands and recreational areas.

d/ Existing developed residential areas and planned residential developments. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, and residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment.

e/ Manufacturing or industrial plants, paved areas, auto salvage and scrap yards, quarries, electric power or natural gas utility facilities, developed areas such as airport runways, roads, railroads and railroad yards, and commercial or retail facilities.

f/ Water crossings greater than 100 feet wide and streams visible on aerial photography but less than 100 feet in width.

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
OHIO														
PIPELINE FACILITIES														
Mainline	280.4	154.1	245.5	130.6	1846.9	934.2	20.0	12.7	31.0	15.6	9.8	9.1	2433.6	1256.3
Mainline ATWS	48.8	0.0	99.1	0.0	897.1	0.0	7.5	0.0	20.9	0.0	0.1	0.0	1073.5	0.0
TGP Interconnect	0.8	0.2	4.1	2.3	5.6	2.8	0.2	0.1	0.0	0.0	0.0	0.0	10.7	5.4
TGP ATWS	0.5	0.0	1.7	0.0	2.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4.3	0.0
Ware Yards														
WARE YARD 1-1	0.0	0.0	0.0	0.0	48.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	0.0
WARE YARD 2-1	0.0	0.0	0.0	0.0	56.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.6	0.0
WARE YARD 3-1a	0.0	0.0	0.3	0.0	22.3	0.0	0.3	0.0	0.0	0.0	0.1	0.0	23.0	0.0
WARE YARD 3-1b	0.0	0.0	0.8	0.0	37.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.1	0.0
WARE YARD 3-2	0.0	0.0	0.0	0.0	75.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.3	0.0
Staging Areas														
STAGING AREA-1	0.1	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.4	0.0
STAGING AREA-2	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0
STAGING AREA-3	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0
STAGING AREA-4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-7	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-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	0.1	0.0
STAGING AREA-10	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-11	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-12	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-13	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-14	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
STAGING AREA-16	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
STAGING AREA-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
STAGING AREA-18	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
STAGING AREA-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
STAGING AREA-21	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-22	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-24	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-25	0.0	0.0	0.0	0.0	0.3	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0
STAGING AREA-26	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-28	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-29	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-30	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-31	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-32	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-33	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
STAGING AREA-34	0.0	0.0	4.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4.4	0.0
STAGING AREA-37	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-38	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-41	0.0	0.0	<0.1	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-51	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-52	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-53	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-54	<0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-55	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-56	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-57	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-59	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-60	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-61	<0.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
STAGING AREA-62	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
STAGING AREA-63	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-64	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-65	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-66	0.0	0.0	<0.1	0.0	0.1	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
STAGING AREA-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
STAGING AREA-70	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-71	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-72	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-73	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-74	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-75	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-76	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-78	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-79	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-80	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
STAGING AREA-82	0.0	0.0	0.1	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-84	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-85	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-86	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
STAGING AREA-88	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-89	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-91	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
STAGING AREA-93	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0
STAGING AREA-94	0.0	0.0	0.0	0.0	3.4	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	3.5	0.0
STAGING AREA-96	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-97	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Access Roads														
Access Roads	0.9	0.0	18.6	0.6	28.4	1.2	2.9	0.0	4.5	0.0	0.0	0.0	55.3	1.8
ABOVEGROUND FACILITIES														
Compressor Stations														
Hanoverton Compressor Station (CS1)	0.2	0.0	9.5	2.2	86.5	21.7	0.0	0.0	0.0	0.0	0.0	0.0	96.2	23.9
Wadsworth Compressor Station (CS2)	0.0	0.0	14.8	0.0	43.6	19.8	0.0	0.0	5.6	0.0	0.0	0.0	64.0	19.8
Clyde Compressor Station (CS3)	0.0	0.0	0.7	0.5	59.6	47.6	0.4	0.0	0.0	0.0	0.0	0.0	60.7	48.1
Waterville Compressor Station (CS4)	0.0	0.0	0.1	0.0	37.5	34.1	0.1	0.0	0.0	0.0	0.0	0.0	37.7	34.1
Meter Stations														
MR01	0.0	0.0	0.1	0.0	10.2	2.0	0.1	0.0	0.0	0.0	0.0	0.0	10.4	2.0
MR02&3	0.1	0.0	0.0	0.0	10.2	4.3	0.1	0.0	0.0	0.0	0.0	0.0	10.4	4.3
MR05	0.0	0.0	0.0	0.0	8.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	8.8	1.9
Ohio Subtotal:	*331.9*	*154.3*	*405.4*	*136.2*	*3303.5*	*1069.6*	*32.6*	*12.8*	*63.1*	*15.6*	*10.0*	*9.1*	*4146.5*	*1397.6*
MICHIGAN														
PIPELINE FACILITIES														
Mainline	29.9	15.7	51.3	27.2	453.9	228.1	16.8	9.4	2.9	1.3	2.8	1.8	557.6	283.4
Mainline ATWS	15.0	0.0	51.1	0.0	192.9	0.0	5.3	0.0	1.7	0.0	0.0	0.0	266.0	0.0
Ware Yards														
WARE YARD 4-1	0.0	0.0	1.7	0.0	40.9	0.0	1.8	0.0	0.0	0.0	0.0	0.0	44.4	0.0
WARE YARD 4-2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0
WARE YARD 4-3	0.1	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Staging Areas														
STAGING AREA-6	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
STAGING AREA-42	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
STAGING AREA-43	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-44	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-46	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STAGING AREA-47	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STAGING AREA-49	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
STAGING AREA-50	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
STAGING AREA-92	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
STAGING AREA-98	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Access Roads														
Access Roads	0.7	0.0	2.7	0.0	3.6	0.2	1.0	0.2	0.3	0.0	0.0	0.0	8.3	0.4
ABOVEGROUND FACILITIES														
Meter Stations														
MR04	0.0	0.0	0.6	0.3	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.7
Michigan Subtotal:	*49.9*	*15.7*	*108.3*	*27.5*	*713.1*	*228.3*	*25.3*	*10.0*	*4.9*	*1.3*	*2.8*	*1.8*	*904.3*	*284.5*
PROJECT TOTAL:	***381.8***	***170.0***	***513.7***	***163.7***	***4016.6***	***1297.9***	***57.9***	***22.8***	***68.0***	***16.9***	***12.8***	***10.9***	***5050.8***	***1682.1***

Note: Minor discrepancies due to rounding.

a/ Upland and wetland forest.
b/ Utility right-of-ways ("ROWs"), open fields, vacant land, pasture, herbaceous and scrub-shrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf courses, and open land portions of municipal, county, state, and federal lands and recreational areas.
c/ Active hayfields, cultivated land, and specialty crops.
d/ Manufacturing or industrial plants, paved areas, auto salvage and scrap yards, quarries, electric power or natural gas utility facilities, developed areas such as airport runways,

TABLE 8.2-2

Land Use Acreage Affected by Construction and Operation of the NEXUS Project

State, Facility	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
	Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation

roads, railroads and railroad yards, and commercial or retail facilities.

e/ Existing developed residential areas and planned residential developments. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, and residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment.

f/ Water crossings greater than 100 feet wide and streams visible on aerial photography but less than 100 feet in width.

g/ Land affected during construction for pipeline facilities is comprised of the permanent ROW, TWS, and ATWS where applicable; except for the HDD areas where there will be no impact during construction.

h/ Land affected during operation of the pipeline includes only the permanent ROW.

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
Ohio										
TGP Interconnecting Pipeline										
	0.2	0.7	0.6		Pipeline - Access Midstream X2		d/			125
	0.2	0.7	0.6	0.6	Pipeline - M3 Ohio Midstream X2	165	d/	100	0-25	114
	0.6	0.7	0.1		Utility - M3 Ohio Midstream Fiber		d/			55
	0.6	0.9	0.3	0.3	Road - Tunnel Hill Road	54	d/	26	0	82
	0.6	0.9	0.3		Power Line - Unknown		d/			63
Mainline										
	0.4	1.0	0.7		Pipeline - S&S Energy Corp		c/			44
	0.4	1.0	0.6	0.7	Pipeline - Midstream X2	100	c/	25	0	80
	0.4	1.0	0.6		Pipeline - Williams		c/			63
	1.3	1.4	0.2	0.2	Power Line - First Energy	215	d/	25	0	97
	2.0	2.0	0.1	0.1	Powerline - Unknown	50	d/	25	0	105
	3.4	4.4	1.0	1.0	Power Line - First Energy	200	d/	25	0	153
	5.2	6.3	1.1	1.1	Power Line - First Energy	220	d/	25	0	99
	6.3	6.4	0.1	0.1	Pipeline - Atlas Energy	50	c/	0	0	68
	7.0	7.4	0.4		Pipeline - Atlas Energy		c/			107
	7.0	7.4	0.4	0.4	Road SR 172	25	c/	20	0	136
	7.2	7.3	0.1		Pipeline - Atlas Energy		c/			70
	7.6	7.6	0.1	0.1	Pipeline - Unknown	25	c/	0	0	106

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	8.6	8.9	0.3	0.4	Pipeline - Unknown	150	c/, d/	25	0	64
	8.6	9.0	0.3		Power Line - First Energy		d/			136
	9.8	10.8	1.0	1.0	Power Line - First Energy	210	d/	25	0	95
	11.2	11.3	0.1	0.1	Pipeline - Columbia Gas	50	c/	0	0	206
	11.3	11.4	0.1	0.1	Powerline - Unknown	75	c/	0	0	185
	11.7	13.1	1.4	1.4	Power Line - First Energy	215	d/	25	0	92
	13.2	13.3	0.1	0.1	Powerline - Unknown	75	d/	0	0	208
	13.6	14.7	1.1	1.1	Power Line - First Energy	215	d/	25	0	100
	15.7	16.3	0.5	0.5	Power Line - First Energy	210	d/	25	0	98
	16.3	16.4	0.1	0.1	Powerline - Unknown	75	d/	0	0	140
	16.8	16.9	0.1	0.1	Powerline - Unknown	50	d/	0	0	180
	17.3	17.4	0.1	0.1	Pipeline - Atlas Energy	50	c/	0	0	92
	22.0	22.2	0.2	0.4	Powerline - Unknown	100	c/, d/	0	0	201
	22.0	22.2	0.2		Road - Marlboro Rd		c/, d/			172
	22.0	22.4	0.4		Pipeline - Enervest Energy Partners		c/, d/			172
	23.1	23.2	0.2	0.2	Pipeline - Enervest Energy Partners	25	c/	0	0	120
	23.9	24.0	0.1	0.1	Pipeline - Enervest Energy Partners	25	c/	0	0	218
	24.2	24.5	0.3	0.3	Pipeline - Enervest Energy Partners	25	c/	0	0	98
	24.9	25.0	0.1	0.1	Pipeline - Enervest Energy Partners	25	c/	0	0	156

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	25.5	25.7	0.1	0.1	Pipeline - Enervest Energy Partners	25	d/	0	0	148
	26.3	26.4	0.1	0.1	Pipeline - Enervest Energy Partners	25	c/	0	0	163
	28.1	28.2	0.1	0.1	Pipeline - MB Operating	25	c/	0	0	142
	28.2	28.4	0.2	0.3	Pipeline - Enervest Energy Partners	25	c/	0	0	125
	29.9	29.9	0.1	0.1	Power Line - First Energy	150	d/	0	0	230
	30.2	30.7	0.5	0.5	Power Line - First Energy	150	d/	25	0	107
	31.0	31.4	0.3	0.3	Power Line - First Energy	150	d/	43	0	117
	31.5	31.8	0.3	0.3	Power Line - First Energy	150	d/	48	0	102
	31.8	32.0	0.2	0.2	Pipeline - Enervest Energy Partners	150	c/	0	0	261
	31.8	32.0	0.2		Power Line - Unknown		d/			241
	31.8	32.0	0.2		Road - Midway St NW		d/			257
	32.1	32.8	0.7	0.7	Power Line - First Energy	150	d/	51	0	90
	32.7	32.8	0.1		Road - Dotwood St NW		d/			268
	32.7	32.8	0.1		Utility - Lake Township Water		c/			287
	32.7	32.8	0.1		Utility - Stark County Sanitary Sewer		d/			255
	32.7	32.8	0.1		Pipeline - Dominion		d/			296
	32.8	33.1	0.3	0.3	Powerline - Unknown	50	d/	0	0	207
	32.9	33.0	0.1		Pipeline - Dominion East Ohio		d/			201

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	33.1	33.2	0.2		Road - Cleveland Ave		d/			50
	33.1	33.2	0.2	0.2	Power Line - Unknown	150	d/	72	25	84
	33.1	33.2	0.2		Utility - Telephone		d/			14
	35.4	35.8	0.5	0.5	Power Line - First Energy	200	d/	25	0	84
	35.9	36.1	0.2	0.2	Road - Private	20	d/	18	0	96
	36.6	37.0	0.4	0.4	Pipeline - Dominion East Ohio	50	d/	10	0	123
	37.3	37.3	0.1	0.1	Pipeline - East Ohio Gas Company	50	c/, f/	0-25	0	57
	39.0	39.1	0.1	0.1	Utility - Power	75	d/	0	0	58
	40.7	40.9	0.2	0.2	Power Line - Unknown	75	d/, e/, f/	0-75	0	20
	41.1	41.2	0.1	0.1	Powerline - Unknown	50	d/, e/, f/	0-25	0	98
	41.3	41.5	0.2	0.2	Pipeline - Dominion East Ohio	50	d/	0	0	183
	41.5	42.0	0.5	0.5	Power Line - Unknown	60	d/, f/	0-50	0	84
	41.9	42.0	0.1	0.1	Pipeline - Dominion East Ohio	60	d/	10	0	54
	42.2	42.6	0.4	0.4	Pipeline - Dominion East Ohio	60	d/	13	0	44
	43.3	43.6	0.2	0.3	Pipeline - Dominion East Ohio	60	d/, f/	0-20	0	96
	43.3	43.6	0.2		Pipeline - Ohio East Gas Company		d/, f/			101
	43.8	44.0	0.2	0.2	Pipeline - Dominion East Ohio	60	c/	0	0	101
	44.3	44.7	0.4	0.4	Pipeline - Dominion East Ohio	60	d/	25	0	71
	44.8	45.2	0.4	0.4	Pipeline - Dominion East Ohio	60	d/	13	0	67
	45.3	46.3	1.0	1.0	Pipeline - Dominion East Ohio	50	c/	0	0	26
	46.2	47.3	1.1	1.1	Pipeline - Dominion East Ohio	60	d/, f/	0-30	0	47

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	47.8	49.1	1.4	1.4	Power Line - First Energy	150	e/, d/	47	0	81
	49.7	50.4	0.7	0.7	Power Line - First Energy	150	d/, f/	0 - 50	0	89
	50.4	52.7	2.2	2.2	Power Line - First Energy X2	275	d/	50	0	92
	53.5	53.9	0.4	0.4	Road - SH 585	50	c/	0	0	120
	54.0	54.1	0.1	0.1	Utility - Unknown	30	c/	0	0	17
	57.1	57.2	0.2	0.2	Road - Eastern Road	N/A	d/	0	0	230
	57.2	57.4	0.1	0.1	Road - Wadsworth Rittman Rd	N/A	d/	0	0	160
	57.7	58.0	0.3	0.3	Road - Newcomer Rd	60	e/	0	0	247
	59.7	60.3	0.6	0.6	Pipeline - Dominion	50	c/	50	0	58
	59.9	60.3	0.4		Pipeline - Bass Energy	50	c/	50	0	64
	66.4	66.5	0.1	0.1	Pipeline - Unknown	50	d/	0	0	140
	69.1	69.8	0.7	0.8	Railroad - CSX	82	d/	0	0	110
	72.0	72.5	0.5	0.5	Road - Carlton Road	62	e/	0	0	206
	72.0	72.5	0.5		Powerline - Unknown		d/			172
	72.7	73.1	0.4	0.4	Pipeline – Gatherco, Inc.	50	c/	25	0	63
	73.2	73.6	0.4	0.5	Railroad - CSX	107	c/	50	0	110
	73.4	73.7	0.3		Pipeline - Columbia Gas		c/			65
	73.7	74.2	0.6	0.6	Railroad - CSX	107	c/	0	0	143
	75.0	75.3	0.3	0.3	Pipeline - Columbia Gas X2	100	c/	0	0	45
	75.6	75.8	0.3	0.3	Railroad - CSX	95	c/	0	0	250
	75.9	76.4	0.5	0.5	Pipeline - Columbia Gas	50	c/	50	0	68

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	77.3	77.6	0.3	0.3	Pipeline - Columbia Gas	50	c/	0	0	60
	79.2	79.4	0.3	0.3	Pipeline - Columbia Gas	50	c/	0	0	181
	80.4	81.2	0.9	0.9	Pipeline - Columbia Gas	150	d/	40	0	62
	80.4	81.2	0.9		Power Line - First Energy		d/			75
	81.6	82.5	0.9	0.9	Power Line - First Energy	150	d/	40	0	75
	82.6	83.2	0.7	0.7	Power Line - First Energy	150	d/	49	0	95
	82.9	83.1	0.2		Pipeline - Columbia Gas		c/			180
	83.5	83.7	0.2	0.5	Power Line - First Energy	150	c/	43	0	93
	83.6	84.0	0.4		Pipeline - Columbia Gas		d/			31
	85.0	85.3	0.3	0.3	Power Line - First Energy	150	d/	53	0	86
	86.9	87.8	0.9	0.9	Power Line - First Energy	150	d/	63	0	77
	88.5	92.0	3.6	3.6	Pipeline - Dominion X2	80	d/	25	0	55
	91.2	91.4	0.1		Road - Private		c/			62
	92.1	92.2	0.2	0.2	Pipeline - Dominion X2	100	d/	0	0	270
	92.4	92.8	0.4	0.4	Pipeline - Dominion X2	80	d/	20	0	259
	93.3	93.4	0.1	0.1	Pipeline - Dominion X2	86.1	c/	0	0	235
	93.6	94.5	0.9	1.7	Pipeline - Dominion X2	80	d/	26	0	14
	94.2	95.3	1.2		Pipeline - Buckeye Pipeline Company, LP		c/			50
	95.6	97.1	1.5	1.5	Pipeline - Buckeye Pipeline Company, LP	35	c/	15	0	44
	106.2	107.2	0.9	1.0	Pipeline - Dominion X2	80	d/	26	0	86

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	112.6	113.6	1.0	1.0	Power Line - First Energy	225	d/	89	0	101
	112.6	113.6	1.0		Power Line - AEP Ohio		d/			65
	114.2	114.3	0.2	0.2	Power Line - AEP Ohio	225	d/	29	0	148
	114.2	114.3	0.2		Power Line - First Energy		d/			251
	115.1	119.2	4.1	4.1	Power Line - First Energy	225	d/	85	0	167
	115.1	119.2	4.1		Power Line - AEP Ohio		d/			60
	118.1	119.2	1.1	1.1	Utility - Sanitary Sewer	25	c/	15	0	61
	119.4	119.5	0.1	0.1	Powerline - Unknown	75	c/	30	0	61
	121.1	122.8	1.8	1.8	Power Line - First Energy	225	d/	62	0	100
	121.1	122.8	1.8		Power Line - AEP Ohio	225	d/	93	0	215
	125.3	125.9	0.5	0.5	Pipeline - Dominion X2	105	c/	0	0	47
	127.0	127.7	0.7	0.7	Pipeline - Dominion X2	102	d/	29	0	133
	128.3	129.5	1.2	1.2	Pipeline - Dominion	105	c/	16	0	45
	129.9	130.5	0.7	0.7	Pipeline - Dominion X2	80	d/	25	0	45
	130.9	132.0	1.1	1.1	Pipeline - Dominion X2	80	d/	25	0	74
	132.6	132.7	0.1	0.1	Road - I-80	240	c/	0	0	260
	132.8	133.4	0.6	0.6	Road - I-80	240	c/	0	0	230
	135.2	135.9	0.7	0.7	Pipeline - Dominion	60	d/	0	0	264
	136.1	137.3	1.2	1.2	Pipeline - Dominion	120	d/	0	0	227
	137.5	138.9	1.4	1.5	Pipeline - Dominion	80	d/	24	0	64
	137.5	138.9	1.4		Pipeline - Ohio East Gas Company		c/			84

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	139.3	140.4	1.0	1.1	Pipeline - Ohio East Gas Company	80	c/	24	0	65
	139.3	140.4	1.0		Pipeline - Dominion		d/			85
	144.8	144.9	0.1	0.1	Road - I-80	240	d/	0	0	240
	146.4	146.5	0.1	0.1	Road - CR 99	28	d/	11	0	100
	150.5	154.0	3.5	3.5	Pipeline - Dominion	80	d/	25	0	63
	150.5	154.0	3.5		Pipeline - Ohio East Gas Company		c/			26
	157.0	161.9	4.9	4.9	Pipeline - Dominion	80	d/	25	0	65
	157.0	161.9	4.9		Pipeline - Ohio East Gas Company		c/			85
	162.8	163.9	1.1	1.1	Pipeline - Dominion X2	90	d/	27	0	45
	164.5	167.2	2.6	2.6	Pipeline - Dominion X2	90	d/	25	0	45
	167.3	168.3	1.0	1.0	Pipeline - Dominion X2	80	d/	25	0	65
	168.3	175.3	7.0	7.0	Power Line - First Energy X5	245	d/	98	0	45
	168.4	168.5	0.1		Pipeline - Dominion X2		c/			45
	176.3	179.0	2.6	2.6	Power Line - First Energy X5	245	d/	100	0	48
	184.1	185.4	1.3	1.3	Power Line - First Energy X3	200	c/	80	0	60
	187.6	188.1	0.4	0.4	Power Line - First Energy X3	200	c/	0	0	50
	189.7	189.9	0.2	0.2	Utility - AT&T Fiber	30	c/, d/	15	0	58
	192.5	193.7	1.2	1.2	Power Line - First Energy X3	150	d/	29	0	88
	200.7	204.5	3.8	3.8	Power Line - First Energy X3	150	d/	34	0	48

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	205.3	208.3	3.0	3.0	Power Line - First Energy X3	150	d/	27	0	78
		Ohio Pipeline Subtotal:		**92.9**						
Michgan										
Mainline										
	218.8	225.0	6.3	6.3	Pipeline - Transcanada X2	100	c/, f/	0-10	0	65
	224.9	225.2	0.2	0.2	Road - Britton Highway	50	d/	0	0	147
	224.9	225.2	0.2		Power Line - Unknown	75	c/	0	0	177
	226.6	233.0	6.4	6.4	Pipeline - Transcanada X2	70	c/, f/	0-10	0	66
	233.6	234.0	0.5	0.5	Pipeline - Transcanada X2	70	c/, f/	0-10	0	25
	235.1	237.0	1.9	1.9	Pipeline - Transcanada X2	70	c/, f/	0-10	0	65
	238.1	239.0	0.9	0.9	Pipeline - Transcanada X2	70	c/	20	0	65
	239.2	239.3	0.1	0.1	Pipeline - Transcanada X	70	c/	0	0	250
	239.7	241.6	1.9	2.0	Pipeline - Transcanada X2	70	c/	20	0	65
	242.1	242.5	0.4	0.4	Pipeline - Transcanada X2	70	c/, f/	0-10	0	213
	248.6	248.9	0.4	0.4	Pipeline - BP	50	c/	0	0	158
	248.9	249.2	0.3	0.3	Pipeline - Michcon	50	c/	0	0	64
	249.3	249.6	0.3	0.3	Railroad - Norfolk Southern Railway Company	330	c/	0	0	187
	249.3	249.6	0.3		Power Line - Unknown		c/			144

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	MP Begin a/	MP End a/	Length Adjacent to or Within Existing ROW (miles)	Total Co-location (miles)	Utility Description b/	Width of Existing Utility Easement or Maintained Utility ROW (feet)	Footnotes c/, d/, e/	Width of Existing Easement Used for NEXUS Construction Workspace (feet)	Width of Existing Easement Used for NEXUS Opertional ROW (feet)	NEXUS Centerline Offset from Utility Centerline (feet) f/
	249.5	250.3	0.8		Road - McKean Road		d/			84
	249.7	249.9	0.1		Utility - Michigan Bell		c/			135
	249.7	250.2	0.5	0.9	Power Line - Unknown	100	c/	0	0	52
	250.2	250.4	0.2		Utility - YCUA Water		c/			113
	250.2	250.5	0.2		Pipeline - Michcon Gas X2		c/			55
	251.1	252.0	0.9		Pipeline - Michcon Gas		c/			45
	251.1	252.0	0.9	0.9	Power Line - Unknown X4	200	c/	32	0	70
	251.1	251.4	0.3		Road - Bridge Road		d/			160
	252.0	252.2	0.1	0.1	Powerline - Unknown	75	d/	0	0	195
	252.4	253.2	0.9	0.9	Pipeline - Transcanada X2	100	c/	50	0	74
	252.4	253.2	0.9		Pipeline - Michcon X2	100	c/	50	0	260
	253.5	253.7	0.1		Road - Airport Rd		c/			42
	253.6	254.4	0.8	0.9	Pipeline - Michcon X2	150	c/	0	0	175
	253.6	254.4	0.8		Pipeline - Transcanada		d/			160
	253.7	254.0	0.3		Utility - Water X3		c/			116
	255.1	255.1	0.0		Utility - Telephone		c/			30
	255.1	255.2	0.1	0.1	Road - Rawsonville Rd	75	d/	54	0	0
	255.1	255.2	0.1		Power Line - Unknown		c/			20
		Michigan Pipeline Subtotal:		**23.3**						
	PROJECT TOTAL CO-LOCATION g/:			**116.2**						

TABLE 8.2-3

NEXUS Project Co-location with Existing Utility Corridors

State, Facility	**MP Begin** a/	**MP End** a/	**Length Adjacent to or Within Existing ROW (miles)**	**Total Co-location (miles)**	**Utility Description** b/	**Width of Existing Utility Easement or Maintained Utility ROW (feet)**	**Footnotes** c/, d/, e/	**Width of Existing Easement Used for NEXUS Construction Workspace (feet)**	**Width of Existing Easement Used for NEXUS Opertional ROW (feet)**	**NEXUS Centerline Offset from Utility Centerline (feet)** f/

Sources: Survey, RexTag (data source may not be accurate for centerline location - to be confirmed by survey upon completion if within 300-foot study corridor), LIDAR
Note: The totals shown in this table may not equal the sum of addends due to rounding.
a/ Approximate milepost along the pipeline rounded to the nearest tenth.
b/ Pipeline, power line, roadway, or railroad. Utilities followed by 'X' and associated number, designates the number of utilities at crossing.
c/ Estimated maintained ROW and overlap widths are based on type and number of utilities present and aerial photo interpretion.
d/ Easement and overland widths obtained by civil survey or coordination with utility personnel.
e/ Workspace associated with horizontal directional drill.
f/ Approximate offset due to existing utilty centerline not being uniformly parallel.
g/ Total co-location length represents the segment of NEXUS pipeline co-located with one or more of the utilities listed.

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
Ohio					
TGP Interconnecting Pipeline					
	Columbiana	0.6	Gas	Access Midstream	Mainline/ Tie-In Construction
	Columbiana	0.7	Gas	NiSource Midstream	Mainline/ Tie-In Construction
Mainline					
	Columbiana	0.3	Gas x 1	S&S Energy Corp, Access Midstream	Mainline/ Tie-In Construction
	Columbiana	0.9	Gas x 1	S&S Energy Corp	Mainline/ Tie-In Construction
	Columbiana	0.9	Gas x 2	Midstream	Mainline/ Tie-In Construction
	Columbiana	0.9	Gas x 1	Williams	Mainline/ Tie-In Construction
	Columbiana	1.3	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Columbiana	1.4	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Columbiana	1.6	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Columbiana	1.8	Natural Gas Liquid x 1	Access Midstream (49)/M3 Midstream (30)/Ev Energy (21)	Mainline/ Tie-In Construction
	Columbiana	1.8	Gas x 1	Midstream/Nisource Inc.	Mainline/ Tie-In Construction
	Columbiana	2.2	Gas x 1	Midstream/Caiman Energy II/Dominion	Mainline/ Tie-In Construction
	Columbiana	3.1	Gas x 1	Access Midstream/Total E&P USA/Enervest Energy	Mainline/ Tie-In Construction
	Columbiana	3.2	Gas x 1	Dominion East Ohio	Mainline/ Tie-In Construction
	Columbiana	5.0	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Columbiana	5.6	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Columbiana	5.7	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Columbiana	5.9	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Columbiana	6.1	Electric x 2	Unknown	Mainline/ Tie-In Construction
	Columbiana	6.3	Gas x 1	Atlas Energy	Bore
	Columbiana	6.4	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Columbiana	6.6	Electric x 4	First Energy	Mainline/ Tie-In Construction
	Columbiana	7.3	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Columbiana	7.6	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Columbiana	7.7	Gas x 1	Atlas Energy	Bore
	Columbiana	7.8	Gas x 1	Atlas Pipeline	Mainline/ Tie-In Construction
	Columbiana	7.8	Gas x 1	Atlas Pipeline	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Columbiana	8.0	Gas x 1	Atlas Energy	HDD
	Columbiana	8.2	Gas x 1	Atlas Pipeline	HDD
	Columbiana	8.5	Gas x 1	Unknown	Mainline/ Tie-In Construction
	Columbiana	8.6	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Columbiana	8.6	Gas x 1	Unknown	Mainline/ Tie-In Construction
	Columbiana	8.9	Gas x 1	Unknown	Mainline/ Tie-In Construction
	Columbiana	9.9	Gas x 1	Atlas Gas/Enervest Energy Partners	Mainline/ Tie-In Construction
	Columbiana	10.0	Gas x 1	Enervest Energy Partners	Bore
	Columbiana	10.2	Electric x 4	First Energy	Mainline/ Tie-In Construction
	Columbiana	10.3	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Columbiana	10.5	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Columbiana	10.6	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Columbiana	11.1	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Columbiana	11.7	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Columbiana	12.3	Gas x 1	Clinton Oil	Mainline/ Tie-In Construction
	Columbiana	12.4	Gas x 1	Enervest Energy Partners	Bore
	Stark	12.5	Gas x 1	Enervest Energy Partners	Bore
	Stark	13.1	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Stark	13.2	Electric x 2	Unknown	Bore
	Stark	14.0	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	14.1	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Stark	14.1	Gas x 1	Enervest Energy Partners	Bore
	Stark	14.3	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Stark	14.5	Gas x 1	Belden & Blake Corp/Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	14.6	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Stark	14.8	Gas x 1	Enervest Energy Partners	Bore
	Stark	15.0	Gas x 1	East Ohio Gas Company/Dominion	Mainline/ Tie-In Construction
	Stark	15.2	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Stark	15.8	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Stark	15.9	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Stark	15.9	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Stark	16.0	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Stark	16.3	Electric x 1	Unknown	Bore
	Stark	16.3	Gas x 1	Atlas Energy	Bore
	Stark	16.8	Gas x 1	Atlas Energy	Bore
	Stark	17.3	Gas x 1	Atlas Energy	Mainline/ Tie-In Construction
	Stark	17.8	Gas x 2	Atlas Energy	Bore
	Stark	18.3	Electric x 1	Unknown	Bore
	Stark	18.3	Unknown x 1	Unknown	Bore
	Stark	19.6	Gas x 1	Enervest Energy Partners	Bore
	Stark	20.4	Gas x 1	Enervest Energy Partners	Bore
	Stark	20.6	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Stark	21.7	Electric x 1	Unknown	Bore
	Stark	21.7	Gas x 1	Enervest Energy Partners	Bore
	Stark	22.2	Gas x 1	Enervest Energy Partners	Bore
	Stark	23.1	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	23.2	Gas x 1	Enervest Energy Partners	Bore
	Stark	23.3	Gas x 1	Old Dominion/Caiman Energy II	Mainline/ Tie-In Construction
	Stark	23.5	Gas x 1	Enervest Energy Partners	Bore
	Stark	24.2	Gas x 1	Enervest Energy Partners	Bore
	Stark	25.0	Gas x 1	Enervest Energy Partners	Bore
	Stark	25.5	Gas x 1	Enervest Energy Partners	Bore
	Stark	26.0	Unknown x 1	Belden & Blake Corp	Mainline/ Tie-In Construction
	Stark	26.4	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	26.5	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	26.7	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	27.2	Gas x 1	Enervest Energy Partners	Bore
	Stark	27.3	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Stark	28.0	Gas x 1	MB Operating Company	Bore
	Stark	28.1	Gas x 1	MB Operating	Bore
	Stark	28.2	Gas x 1	Dominion	Bore
	Stark	28.2	Gas x 1	Enervest Energy Partners	Bore
	Stark	29.3	Gas x 1	Enervest Energy Partners	Bore
	Stark	29.4	Product x 1	BP	Mainline/ Tie-In Construction
	Stark	29.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Stark	29.8	Electric x 1	First Energy	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Stark	30.3	Gas x 1	Enervest Energy Partners	Bore
	Stark	30.8	Gas x 1	Enervest Energy Partners	Bore
	Stark	30.9	Gas x 1	Dominion	Bore
	Stark	31.8	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Stark	31.9	Gas x 1	Enervest Energy Partners	Bore
	Stark	32.1	Gas x 1	Dominion	Bore
	Stark	32.1	Gas x 1	Enervest Energy Partners	Bore
	Stark	32.6	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Stark	32.8	Power x 1	First Energy	Bore
	Stark	32.8	Electric x 1	First Energy	Bore
	Stark	32.8	Gas x 1	Dominion	Bore
	Stark	33.0	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Stark	33.0	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Stark	33.0	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Stark	33.1	Electric x 1	Unknown	Bore
	Stark	34.0	Electric x 1	Unknown	Bore
	Summit	34.4	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Summit	35.0	Gas x 1	Enervest Energy Partners	Bore
	Summit	35.0	Electric x 1	Unknown	Bore
	Summit	35.2	Gas x 1	Enervest Energy Partners	Mainline/ Tie-In Construction
	Summit	35.8	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Summit	36.1	Gas x 1	Unknown	Mainline/ Tie-In Construction
	Summit	36.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	36.8	Gas x 1	Enervest Energy Partners	Bore
	Summit	37.4	Electric x 1	Unknown	Bore
	Summit	38.0	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	39.8	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Summit	40.6	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	41.0	Electric x 3	First Energy	HDD
	Summit	41.5	Gas x 1	East Ohio Gas Company/Dominion	Mainline/ Tie-In Construction
	Summit	41.9	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Summit	42.3	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	42.6	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	42.8	Gas x 1	Dominion East	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Summit	43.2	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	43.3	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	43.5	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	43.5	Gas x 1	East Ohio Gas Company	Mainline/ Tie-In Construction
	Summit	43.8	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.2	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.3	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.5	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.5	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.8	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	44.9	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	45.1	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	45.2	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	45.3	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	45.4	Gas x 4	Dominion	Mainline/ Tie-In Construction
	Summit	45.4	Gas x 2	East Ohio Gas Company/Dominion	Mainline/ Tie-In Construction
	Summit	45.5	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	46.2	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	46.2	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	46.8	Gas x 2	Sunoco/BP	Mainline/ Tie-In Construction
	Summit	47.4	Product x 1	Marathon Petroleum Company, LLC	Mainline/ Tie-In Construction
	Summit	47.7	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Summit	48.0	Gas x 1	Dominion	HDD
	Summit	48.6	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	48.8	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Summit	48.9	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Summit	48.9	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Summit	49.0	Product x 1	Marathon Petroleum Company, LLC	Mainline/ Tie-In Construction
	Summit	49.7	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Summit	49.9	Electric x 2	Unknown	Mainline/ Tie-In Construction
	Summit	50.0	Gas x 1	North Coast Gas	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Wayne	50.7	Electric x 3	Unknown	Mainline/ Tie-In Construction
	Wayne	51.3	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Wayne	51.3	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Wayne	51.8	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Wayne	51.8	Gas x 1	Somerset Gas Transmission Company, LLC	Mainline/ Tie-In Construction
	Wayne	52.0	Gas x 1	Somerset Gas Transmission Company, LLC	Bore
	Wayne	52.0	Electric x 6	First Energy	Bore
	Wayne	52.4	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Wayne	52.6	Electric x 6	First Energy	Mainline/ Tie-In Construction
	Wayne	52.6	Gas x 1	Somerset Gas Transmission Company, LLC	Mainline/ Tie-In Construction
	Wayne	52.7	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Wayne	52.9	Gas x 1	Dominion	Bore
	Wayne	53.5	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Wayne	54.4	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Wayne	54.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Wayne	55.2	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Wayne	55.8	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Medina	56.8	Gas x 1	Northeast Ohio Natural Gas Corporation	Bore
	Medina	57.3	Gas x 1	Dominon	Bore
	Medina	57.3	Gas x 1	Dominion	Bore
	Wayne	57.6	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Medina	57.7	Electric x 1	First Energy	Bore
	Medina	57.7	Gas x 1	Dominion	Bore
	Medina	59.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Medina	60.1	Gas x 1	Bass Energy	Mainline/ Tie-In Construction
	Medina	60.1	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Medina	60.2	Gas x 1	S&S Energy Corp	Mainline/ Tie-In Construction
	Medina	60.8	Gas x 1	Mb Operation Company	Mainline/ Tie-In Construction
	Medina	60.8	Gas x 1	Bass Energy Company	Mainline/ Tie-In Construction
	Medina	60.8	Gas x 1	Bass Energy Company	Mainline/ Tie-In Construction
	Medina	63.0	Gas x 1	Mb Operating	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Medina	63.0	Gas x 1	Mb Operating	Mainline/ Tie-In Construction
	Medina	63.5	Gas x 1	King Energy	Mainline/ Tie-In Construction
	Medina	63.8	Oil x 1	Unknown	Mainline/ Tie-In Construction
	Medina	66.0	Unknown x 1	Unknown	Bore
	Medina	66.0	Unknown x 1	Unknown	Bore
	Medina	66.7	Gas x 1	Gatherco Inc	Bore
	Medina	68.8	Electric x 1	First Energy	Bore
	Medina	69.0	Gas x 1	NiSource Inc.	Bore
	Medina	69.1	Electric x 1	Unknown	Bore
	Medina	69.3	Gas x 1	Great Lakes Energy	Mainline/ Tie-In Construction
	Medina	69.7	Gas x 1	Columbia Gas	Mainline/ Tie-In Construction
	Medina	69.8	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	70.5	Unknown x 1	Medina Fuel Company	Mainline/ Tie-In Construction
	Medina	70.6	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Medina	70.6	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Medina	70.9	Electric x 1	Unknown	Bore
	Medina	71.5	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Medina	73.1	Gas x 1	Aspire Energy	Mainline/ Tie-In Construction
	Medina	73.4	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Medina	73.6	Gas x 1	Columbia Gas/NiSource Inc.	Bore
	Medina	73.8	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	75.1	Gas x 2	Columbia Gas	Mainline/ Tie-In Construction
	Medina	75.3	Gas x 2	Columbia Gas	Mainline/ Tie-In Construction
	Medina	75.3	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	75.4	Gas x 1	NiSource Inc./Columbia	Mainline/ Tie-In Construction
	Medina	75.9	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	75.9	Gas x 1	Columbia Gas	Mainline/ Tie-In Construction
	Medina	76.0	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	76.6	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	77.0	Electric x 1	Unknown	Bore
	Medina	77.4	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	77.5	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Medina	77.8	Product x 1	Sunoco, Inc. (Energy Transfer Partners, LP)	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Medina	78.6	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Medina	79.4	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	81.2	Electric x 1	Unknown	Bore
	Lorain	82.8	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	82.9	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	83.3	Product x 1	Magellan Midstream Partners/Poet	Mainline/ Tie-In Construction
	Lorain	83.7	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Lorain	83.9	Gas x 1	NiSource Inc.	Bore
	Lorain	85.1	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Lorain	85.9	Electric x 1	Unknown	Bore
	Lorain	86.1	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Lorain	87.8	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Lorain	88.5	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Lorain	88.6	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Lorain	89.1	Gas x 2	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	89.5	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	91.4	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Lorain	92.7	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Lorain	93.4	Electric x 1	Unknown	Bore
	Lorain	93.6	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Lorain	94.3	Oil x 1	Buckeye Partners, LP	Mainline/ Tie-In Construction
	Lorain	94.6	Electric x 1	Unknown	Bore
	Lorain	96.4	Gas x 1	Buckeye Partners/NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	96.4	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	96.4	Oil x 1	Buckeye Partners, LP	Mainline/ Tie-In Construction
	Lorain	97.5	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Lorain	98.1	Gas x 1	Buckeye Partners	Bore
	Lorain	98.2	Gas x 1	Somerset Gas Transmission Company, LLC	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Lorain	98.3	Gas x 1	Buckeye	Mainline/ Tie-In Construction
	Lorain	98.3	Gas x 1	North Coast Gas	Mainline/ Tie-In Construction
	Lorain	99.2	Unknown x 1	Unknown	Bore
	Lorain	99.6	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Lorain	100.0	Electric x 1	Unknown	Bore
	Huron	104.2	Gas x 1	NiSource Inc.	HDD
	Erie	107.1	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Erie	108.3	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Erie	112.1	Electric x 1	Unknown	Bore
	Erie	112.6	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Erie	112.6	Electric x 1	AEP Ohio	Mainline/ Tie-In Construction
	Erie	113.0	Electric x 1	AEP Ohio	Bore
	Erie	113.1	Electric x 1	First Energy	Bore
	Erie	113.5	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Erie	113.6	Electric x 1	AEP Ohio	Mainline/ Tie-In Construction
	Erie	116.2	Gas x 1	NiSource Inc.	Mainline/ Tie-In Construction
	Erie	116.7	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Erie	117.4	Electric x 3	AEP Ohio	Mainline/ Tie-In Construction
	Erie	117.5	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Erie	118.1	Gas x 1	Columbia Gas	Bore
	Erie	119.2	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Erie	119.2	Electric x 3	AEP Ohio	Bore
	Erie	122.6	Electric x 1	AEP Ohio	Mainline/ Tie-In Construction
	Erie	122.6	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Erie	130.2	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Sandusky	137.4	Electric x 2	Unknown	Bore
	Sandusky	139.6	Oil x 1	Buckeye PL Co	Mainline/ Tie-In Construction
	Sandusky	139.8	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Sandusky	140.8	Gas x 1	Dominion	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Sandusky	140.8	Gas x 1	East Ohio Gas Company	Mainline/ Tie-In Construction
	Sandusky	147.0	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Sandusky	147.5	Gas x 1	Columbia Gas	Bore
	Sandusky	148.1	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Sandusky	149.3	Electric x 2	Unknown	Mainline/ Tie-In Construction
	Sandusky	153.9	Gas x 1	East Ohio Gas Company	Mainline/ Tie-In Construction
	Sandusky	153.9	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Sandusky	156.1	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Sandusky	156.1	Gas x 1	East Ohio Gas Company	Mainline/ Tie-In Construction
	Sandusky	157.6	Natural gas liquid x 1	Kinder Morgan	Mainline/ Tie-In Construction
	Sandusky	157.7	Gas x 1	East Ohio Gas Company	Mainline/ Tie-In Construction
	Sandusky	157.7	Gas x 1	Dominion	Mainline/ Tie-In Construction
	Sandusky	158.2	Electric x 1	Unknown	Bore
	Sandusky	159.4	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Sandusky	160.3	Electric x 1	Unknown	Bore
	Sandusky	161.4	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Sandusky	163.0	Gas x 2	Dominion	Mainline/ Tie-In Construction
	Sandusky	163.2	Gas x 1	North Coast Gas/Somerset Gas Transmission Company, LLC	Mainline/ Tie-In Construction
	Sandusky	163.7	Gas x 3	Dominion	Bore
	Wood	164.5	Electric x 2	Unknown	Bore
	Wood	165.5	Highly volatile liquid x 1	BP	Mainline/ Tie-In Construction
	Wood	165.5	Liquefied gas x 2	Sunoco	Mainline/ Tie-In Construction
	Wood	165.5	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Wood	165.5	Electric x 2	American Electric Power Company, Inc.	Mainline/ Tie-In Construction
	Wood	165.5	Electric x 1	Unknown	Mainline/ Tie-In Construction
	Wood	165.5	Product x 1	BP	Mainline/ Tie-In Construction
	Wood	168.4	Electric x 1	Unknown	Bore
	Wood	168.5	Electric x 3	First Energy	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Wood	169.4	Natural gas liquid x 1	Buckeye Partners, LP	Mainline/ Tie-In Construction
	Wood	170.5	Oil x 1	Mid Valley Pipeline/Sunoco, Inc. (Energy Transfer Partners, LP)	Mainline/ Tie-In Construction
	Wood	170.5	Oil x 4	Buckeye PL Co	Mainline/ Tie-In Construction
	Wood	170.6	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Wood	174.2	Gas x 1	Kinder Morgan	Mainline/ Tie-In Construction
	Wood	175.2	Electric x 4	First Energy	Mainline/ Tie-In Construction
	Wood	175.3	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Wood	175.6	Gas x 1	Columbia Gas/NiSource Inc.	Mainline/ Tie-In Construction
	Wood	176.6	Electric x 1	First Energy	Bore
	Wood	177.1	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Wood	177.1	Electric x 3	First Energy	Mainline/ Tie-In Construction
	Wood	181.0	Gas x 1	Waterville Gas Company	Bore
	Lucas	185.1	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Henry	190.0	Gas x 1	ANR Pipeline/Transcanada	Mainline/ Tie-In Construction
	Henry	190.0	Electric x 1	First Energy	Mainline/ Tie-In Construction
	Fulton	192.5	Electric x 4	First Energy	Mainline/ Tie-In Construction
	Fulton	193.7	Gas x 1	NORCO Pipeline/Buckeye Partners, LP	Mainline/ Tie-In Construction
	Fulton	197.9	Electric x 1	First Energy	Bore
	Fulton	199.1	Electric x 2	First Energy	Bore
	Fulton	200.7	Electric x 5	First Energy	Mainline/ Tie-In Construction
	Fulton	201.5	Electric x 5	First Energy	Mainline/ Tie-In Construction
	Fulton	201.8	Electric x 2	First Energy	Mainline/ Tie-In Construction
	Fulton	202.2	Gas x 1	Transcanada	Mainline/ Tie-In Construction
	Fulton	204.9	Electric x 1	First Energy	Bore
	Fulton	205.3	Electric x 5	First Energy	Mainline/ Tie-In Construction
	Fulton	207.2	Gas x 3	Panhandle Eastern/Southern Union Company (Energy Transfer Partners, LP)	Mainline/ Tie-In Construction
	Fulton	207.3	Natural Gas Liquid x 1	Kinder Morgan	Mainline/ Tie-In Construction

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Fulton	207.8	Electric x 1	First Energy	Bore
Michigan	Lenawee	210.0	Natural gas liquid x 1	Kinder Morgan	Bore
	Lenawee	212.8	Gas x 1	Michigan Gas/Integrys Energy Group, Inc.	Mainline/ Tie-In Construction
	Lenawee	217.4	Oil x 1	Hanover/Marathon Petroleum Company, LLC	Mainline/ Tie-In Construction
	Lenawee	218.8	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Lenawee	218.8	Gas x 1	Transcanada	Mainline/ Tie-In Construction
	Lenawee	218.8	Gas x 1	Transcanada	Mainline/ Tie-In Construction
	Lenawee	218.8	Unknown x 1	Unknown	Mainline/ Tie-In Construction
	Lenawee	218.9	Electric x 6	CMS Energy	Mainline/ Tie-In Construction
	Lenawee	222.6	Gas x 2	Panhandle Eastern/Southern Union Company (Energy Transfer Partners, LP)	Mainline/ Tie-In Construction
	Lenawee	228.9	Electric x 1	ITC Holdings Corporation	Mainline/ Tie-In Construction
	Lenawee	229.8	Oil x 1	Enbridge	Mainline/ Tie-In Construction
	Monroe	236.2	Gas x 1	MichCon	Bore
	Washtenaw	240.0	Unknown x 1	Ameritech	Bore
	Washtenaw	240.1	Electric x 2	ITC Holdings Corporation	Mainline/ Tie-In Construction
	Washtenaw	241.4	Electric x 2	ITC Holdings Corporation	Mainline/ Tie-In Construction
	Washtenaw	241.5	Oil x 2	Transcanada	Mainline/ Tie-In Construction
	Washtenaw	241.8	Gas x 1	MichCon	Mainline/ Tie-In Construction
	Washtenaw	242.8	Natural gas liquid x 1	Buckeye Partners, LP	Mainline/ Tie-In Construction
	Washtenaw	248.5	Oil x 1	BP Pipeline	Mainline/ Tie-In Construction
	Washtenaw	248.6	Electric x 2	ITC Holdings Corporation	Mainline/ Tie-In Construction
	Washtenaw	248.7	Oil x 1	BP Pipeline	Bore
	Washtenaw	248.9	Oil x 1	BP Pipeline	Mainline/ Tie-In Construction
	Washtenaw	249.2	Oil x 1	Enbridge/Wolverine Pipeline Company	Mainline/ Tie-In Construction
	Washtenaw	250.2	Gas x 1	MichCon	Bore
	Washtenaw	250.2	Gas x 1	MichCon	Bore
	Washtenaw	251.0	Gas x 1	MichCon	HDD

TABLE 8.2-4

Major Utilities Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Utility	Owner/Operator	Proposed Construction Method
	Washtenaw	251.1	Water x 1	YCUA	HDD
	Washtenaw	251.1	Gas x 1	DTE	HDD
	Washtenaw	251.1	Electric x 3	Unknown	HDD
	Washtenaw	251.4	Gas x 1	DTE Energy	Mainline/ Tie-In Construction
	Washtenaw	251.4	Electric x 2	Unknown	Bore
	Washtenaw	251.4	Gas x 1	MichCon	Bore
	Washtenaw	252.0	Gas x 1	MichCon (DTE)	Mainline/ Tie-In Construction
	Washtenaw	252.0	Electric x 4	Unknown	Mainline/ Tie-In Construction
	Washtenaw	252.4	Gas x 1	Transcanada	Bore
	Washtenaw	252.5	Gas x 1	Transcanada	Mainline/ Tie-In Construction
	Washtenaw	252.8	Gas x 1	DTE Energy (MichCon)	Bore
	Washtenaw	254.3	Gas x 2	MichCon	Mainline/ Tie-In Construction
	Washtenaw	254.4	Gas x 2	MichCon	Mainline/ Tie-In Construction
	Wayne	255.1	Gas x 1	Michigan Cons Gas	Mainline/ Tie-In Construction
	Washtenaw	255.2	Gas x 3	Michigan Cons Gas	Mainline/ Tie-In Construction

a/ Approximate milepost along the pipeline rounded to the nearest tenth.

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
Ohio										
TGP Interconnecting Pipeline										
	Columbiana	ATWS-3700	0.0	0.1	Right	180	50	0.2	AG,ID,FW,OL	Road Crossing
	Columbiana	ATWS-1869	0.1	0.1	Right	183	75	0.3	AG,ID,FW	Road Crossing
	Columbiana	ATWS-3701	0.1	0.1	Right	287	25	0.2	AG	Topsoil Segregation
	Columbiana	ATWS-3702	0.1	0.2	Left	463	25	0.3	AG,FW	Bend Installation
	Columbiana	ATWS-1870	0.1	0.3	Right	765	50	0.9	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-1871	0.2	0.5	Left	1420	25	0.8	AG,OL	Topsoil Segregation
	Columbiana	ATWS-1872	0.5	0.6	Left	503	50	0.6	OL	Bend Installation and Road and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-3305	0.5	0.6	Right	121	75	0.2	ID,OL,RE	Road and Existing Pipeline Crossing
	Columbiana	ATWS-3470	0.6	0.6	Right	100	75	0.2	ID,FW,OL	Road and Existing Pipeline Crossing
	Columbiana	ATWS-3307	0.6	0.7	Right	345	50	0.4	ID,FW,OL	Road Crossing and Side Slope/ Hill Construction
	Columbiana	ATWS-3306	0.6	0.6	Left	186	50	0.2	ID,OL	Road Crossing
	Columbiana	ATWS-4423	0.6	0.6	Left	118	20	0.1	ID,FW,OL,RE	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4422	0.6	0.6	Left	68	25	0.0	ID,OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-2054	0.6	0.7	Left	106	50	0.1	ID,OL	Road and Waterbody Crossing
Mainline										
	Columbiana	ATWS-4430	0.0	0.0	Left	124	20	0.1	ID,FW,RE	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4429	0.0	0.0	Left	118	20	0.1	ID,FW	Extending Width of Road Turn Radius for Vehicle/ Material Movement

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-4427	0.0	0.0	Left	150	25	0.1	OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4425	0.0	0.0	Left	150	20	0.1	OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4428	0.0	0.0	Left	78	50	0.1	OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4426	0.0	0.0	Left	20	190	0.1	ID,OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-4424	0.0	0.0	Left	99	25	0.1	ID,OL	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Columbiana	ATWS-727	0.2	0.2	Right	252	50	0.3	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-3989	0.2	0.2	Left	148	25	0.1	AG,FW	Bend Installation
	Columbiana	ATWS-1109	0.2	0.3	Right	486	25	0.3	AG	Topsoil Segregation
	Columbiana	ATWS-3039	0.3	0.3	Right	102	50	0.1	AG	Topsoil Segregation and Existing Pipeline Crossing
	Columbiana	ATWS-2354	0.3	0.4	Right	283	50	0.3	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-2355	0.4	0.5	Right	668	25	0.4	AG,OL	Topsoil Segregation
	Columbiana	ATWS-725	0.7	0.7	Right	293	75	0.5	AG,OL	Topsoil Segregation, Wetland Crossing and Waterbody Crossing
	Columbiana	ATWS-1092	0.7	0.8	Right	559	25	0.3	AG	Topsoil Segregation
	Columbiana	ATWS-3041	0.8	0.9	Right	219	75	0.3	AG,OL	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-3040	0.9	0.9	Left	198	75	0.3	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-2340	0.9	0.9	Left	155	50	0.2	AG	Wetland Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-2341	1.0	1.1	Left	358	50	0.4	AG,ID,FW,OL	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-724	1.0	1.1	Right	208	75	0.4	AG,ID,FW,OL	Road Crossing
	Columbiana	ATWS-1874	1.1	1.1	Left	239	75	0.4	AG,ID,OL	Road Crossing
	Columbiana	ATWS-723	1.1	1.1	Right	195	50	0.2	AG,ID,FW	Road Crossing
	Columbiana	ATWS-3301	1.1	1.1	Left	172	25	0.1	AG	Bend Installation
	Columbiana	ATWS-3302	1.1	1.1	Right	157	25	0.1	AG,FW	Topsoil Segregation
	Columbiana	ATWS-2345	1.2	1.3	Right	247	25	0.1	AG,FW	Topsoil Segregation
	Columbiana	ATWS-3042	1.4	1.5	Right	411	25	0.2	AG	Topsoil Segregation
	Columbiana	ATWS-3690	1.5	1.6	Left	154	25	0.1	FW	Steep Terrain Construction
	Columbiana	ATWS-3043	1.6	1.6	Left	154	25	0.1	FW	Existing Pipeline Crossing
	Columbiana	ATWS-2344	1.6	1.7	Left	327	25	0.2	FW	Bend Installation and Existing Pipeline Crossing
	Columbiana	ATWS-2343	1.7	1.8	Right	466	25	0.3	AG,ID,FW	Bend and Sideslope Construction
	Columbiana	ATWS-3691	1.8	1.8	Left	41	25	0.0	AG	Existing Pipeline Crossing
	Columbiana	ATWS-3044	1.8	1.8	Left	220	50	0.3	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-2498	1.8	1.8	Right	125	50	0.1	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-3046	1.8	1.9	Right	467	25	0.3	AG,ID,OL,RE	Topsoil Segregation
	Columbiana	ATWS-3045	1.8	1.9	Left	75	25	0.0	AG,OL	Existing Pipeline Crossing
	Columbiana	ATWS-2342	1.9	2.0	Right	251	115	0.7	ID,OL,RE	Road and Waterbody Crossing
	Columbiana	ATWS-2570	2.0	2.1	Left	286	100	0.7	AG	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-2618	2.0	2.1	Right	330	75	0.6	AG,OL	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-3047	2.1	2.2	Right	222	75	0.4	AG	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-1096	2.2	2.2	Right	152	75	0.3	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-3048	2.2	2.3	Left	256	25	0.1	AG	Bend Installation and Existing Pipeline Crossing
	Columbiana	ATWS-1105	2.3	2.7	Right	2383	25	1.4	AG,ID	Topsoil Segregation
	Columbiana	ATWS-3990	2.4	2.4	Left	185	25	0.1	AG,FW	Bend Installation
	Columbiana	ATWS-2225	2.7	2.9	Right	787	25	0.5	AG	Topsoil Segregation
	Columbiana	ATWS-2226	2.9	3.1	Right	1012	25	0.6	AG,FW,OL	Topsoil Segregation
	Columbiana	ATWS-2228	3.1	3.1	Left	177	25	0.1	AG	Bend Installation
	Columbiana	ATWS-4360	3.1	3.2	Right	284	25	0.2	AG	Topsoil Segregation
	Columbiana	ATWS-4196	3.2	3.2	Left	100	25	0.1	AG,FW,OL	Existing Pipeline Crossing
	Columbiana	ATWS-2227	3.2	3.3	Right	610	25	0.3	AG	Topsoil Segregation
	Columbiana	ATWS-31	3.3	3.3	Right	150	100	0.3	AG,ID	Road Crossing
	Columbiana	ATWS-30	3.3	3.4	Right	148	75	0.3	AG,ID	Road Crossing
	Columbiana	ATWS-1111	3.4	3.4	Right	113	25	0.1	AG	Topsoil Segregation
	Columbiana	ATWS-3992	3.5	3.5	Left	330	50	0.4	ID,FW	Road Crossing
	Columbiana	ATWS-3703	3.5	3.5	Right	146	50	0.2	ID,FW	Road Crossing and Bend Installation
	Columbiana	ATWS-3	3.5	3.5	Right	303	75	0.5	AG,ID,FW,OL	Road Crossing
	Columbiana	ATWS-3991	3.5	3.5	Left	144	50	0.2	ID,FW,OL	Road Crossing
	Columbiana	ATWS-4198	3.9	3.9	Left	105	50	0.1	FW,OL	Waterbody Crossing
	Columbiana	ATWS-4197	3.9	3.9	Right	100	50	0.1	FW	Waterbody Crossing
	Columbiana	ATWS-4200	3.9	3.9	Left	100	50	0.1	FW,OL	Waterbody Crossing
	Columbiana	ATWS-4199	3.9	3.9	Right	100	50	0.1	FW	Waterbody Crossing
	Columbiana	ATWS-569	4.0	4.2	Left	760	25	0.4	FW	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-570	4.0	4.1	Right	366	25	0.2	FW	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-1106	4.3	4.6	Right	1297	25	0.7	AG,OL	Topsoil Segregation
	Columbiana	ATWS-4345	4.4	4.4	Left	205	25	0.1	AG	Bend Installation
	Columbiana	ATWS-3053	4.5	4.5	Left	305	25	0.2	AG	Bend Installation
	Columbiana	ATWS-15	4.8	4.8	Right	370	75	0.6	AG,FW	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-3051	4.8	4.9	Left	406	50	0.5	AG	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-3050	4.9	5.0	Left	286	25	0.2	FW,OL	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-3049	4.9	5.0	Right	317	50	0.4	OL	Road and Wetland Crossing
	Columbiana	ATWS-4201	5.0	5.0	Left	279	25	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Columbiana	ATWS-4	5.0	5.1	Right	245	75	0.4	AG,FW	Road Crossing
	Columbiana	ATWS-633	5.0	5.1	Left	139	75	0.2	AG,ID	Road Crossing
	Columbiana	ATWS-1107	5.1	5.1	Right	426	25	0.2	AG	Topsoilsegregation
	Columbiana	ATWS-3071	5.1	5.2	Left	305	25	0.2	AG	Bend Installation
	Columbiana	ATWS-498	5.1	5.2	Right	425	75	0.7	AG	Wetland Crossing, Topsoil Segregation and Side Slope Construction
	Columbiana	ATWS-3993	5.2	5.2	Left	151	25	0.1	AG	Bend Installation
	Columbiana	ATWS-27	5.5	5.6	Left	170	75	0.3	ID,FW,OL	Road Crossing
	Columbiana	ATWS-2302	5.5	5.6	Left	158	75	0.3	ID,OL	Road and Wetland Crossing
	Columbiana	ATWS-3994	5.7	5.7	Left	184	25	0.1	FW,RE	Bend Installation
	Columbiana	ATWS-3704	5.7	5.8	Left	300	25	0.2	FW	Bend Installation
	Columbiana	ATWS-571	5.9	5.9	Right	372	25	0.2	FW,OL	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-4202	5.9	5.9	Left	200	25	0.1	OL	Bend Installation
	Columbiana	ATWS-3298	5.9	6.0	Left	300	25	0.2	OL	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-1112	6.0	6.2	Right	1118	25	0.6	AG,OL,RE	Topsoilsegregation
	Columbiana	ATWS-5	6.2	6.3	Right	257	50	0.3	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-3995	6.2	6.3	Left	200	25	0.1	AG	Bend Installation
	Columbiana	ATWS-3693	6.3	6.3	Left	206	50	0.2	AG,ID	Road Crossing
	Columbiana	ATWS-3692	6.3	6.3	Right	182	75	0.3	AG,ID	Road Crossing
	Columbiana	ATWS-3694	6.3	6.4	Left	325	25	0.2	ID,OL,RE	Road Crossing and Bend Installation
	Columbiana	ATWS-3300	6.4	6.4	Right	135	50	0.2	OL	Waterbody and Wetland Crossing
	Columbiana	ATWS-3695	6.5	6.5	Left	195	50	0.2	AG,OL	Waterbody and Wetland Crossing
	Columbiana	ATWS-20	6.5	6.5	Right	197	75	0.3	AG	Waterbody and Wetland Crossing
	Columbiana	ATWS-1113	6.5	6.6	Right	709	25	0.4	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-3696	6.5	6.6	Left	397	25	0.2	AG	Bend Installation
	Columbiana	ATWS-3697	6.6	6.7	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-3699	6.6	6.8	Left	584	25	0.3	AG	Bend Installation
	Columbiana	ATWS-4358	6.7	6.7	Right	113	25	0.1	AG	Topsoilsegregation
	Columbiana	ATWS-3698	6.7	6.9	Right	714	25	0.4	AG	Topsoilsegregation
	Columbiana	ATWS-3054	6.9	6.9	Left	196	25	0.1	AG	Bend Installation
	Columbiana	ATWS-2552	6.9	7.0	Right	196	50	0.2	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-2555	7.0	7.1	Right	553	25	0.3	AG	Topsoilsegregation
	Columbiana	ATWS-4371	7.0	7.1	Left	325	25	0.2	AG	Bend Installation
	Columbiana	ATWS-2554	7.1	7.3	Right	985	25	0.6	AG	Topsoil Segregation
	Columbiana	ATWS-3996	7.2	7.2	Left	300	25	0.2	AG	Bend Installation
	Columbiana	ATWS-2560	7.3	7.4	Right	367	25	0.2	OL	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-2559	7.3	7.4	Left	228	25	0.1	FW,OL	Bend Installation
	Columbiana	ATWS-2561	7.5	7.6	Right	619	25	0.4	AG,OL	Topsoil Segregation
	Columbiana	ATWS-2562	7.6	7.7	Right	239	75	0.4	AG,ID,OL	Road Crossing and Bend Installation
	Columbiana	ATWS-2563	7.6	7.7	Left	321	50	0.4	AG,ID	Road Crossing and Bend Installation
	Columbiana	ATWS-2565	7.7	7.7	Right	185	75	0.3	ID,FW,OL,RE	Road Crossing
	Columbiana	ATWS-2564	7.7	7.7	Left	154	50	0.2	ID,FW,OL	Road Crossing
	Columbiana	ATWS-4203	7.8	7.8	Left	132	25	0.1	FW,OL	Existing Pipeline Crossing
	Columbiana	ATWS-4205	7.8	7.8	Left	53	25	0.0	OL	Existing Pipeline Crossing
	Columbiana	ATWS-4204	7.8	7.9	Right	246	75	0.4	FW,OL	HDD Crossing
	Columbiana	ATWS-4206	7.8	7.9	Left	218	60	0.3	OL	HDD Crossing
	Columbiana	ATWS-4381	8.1	8.1	Right	359	25	0.2	ID,FW,OL	Access To Hydrostatic Test Water
	Columbiana	ATWS-3997	8.3	8.5	Right	420	125	1.9	AG,FW	HDD Crossing
	Columbiana	ATWS-3999	8.4	8.5	Left	340	50	0.4	AG	HDD Crossing
	Columbiana	ATWS-3998	8.5	8.6	Right	695	25	0.4	AG	Topsoil Segregation
	Columbiana	ATWS-3056	8.6	8.6	Left	107	25	0.1	AG	Existing Pipeline Crossing
	Columbiana	ATWS-3055	8.6	8.6	Left	175	50	0.2	AG	Existing Pipeline Crossing and Bend Installation
	Columbiana	ATWS-4207	8.6	9.0	Left	2302	100	4.1	AG,OL,RE	HDD Pull Back String
	Columbiana	ATWS-3057	8.6	8.9	Left	1155	25	0.7	AG	Topsoil Segregation
	Columbiana	ATWS-3059	8.9	8.9	Left	330	50	0.4	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-3058	8.9	9.0	Left	111	50	0.1	AG	Topsoil Segregation and Existing Pipeline Crossing
	Columbiana	ATWS-1103	9.0	9.7	Left	4128	25	2.4	AG,OL	Topsoil Segregation
	Columbiana	ATWS-2557	9.7	9.8	Right	126	50	0.1	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-652	9.7	9.8	Left	115	75	0.2	AG	Waterbody Crossing
	Columbiana	ATWS-653	9.8	9.8	Left	115	75	0.2	AG	Waterbody Crossing
	Columbiana	ATWS-2556	9.8	9.8	Right	114	50	0.1	AG	Waterbody Crossing
	Columbiana	ATWS-3317	9.8	9.8	Left	234	50	0.3	AG,FW	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-1117	9.9	9.9	Left	263	25	0.2	AG	Topsoil Segregation
	Columbiana	ATWS-3316	9.9	9.9	Left	117	50	0.1	AG,RE	Road Crossing
	Columbiana	ATWS-3314	9.9	10.0	Left	106	50	0.1	AG,RE	Road Crossing
	Columbiana	ATWS-3315	10.0	10.0	Left	197	25	0.1	AG	Topsoil Segregation
	Columbiana	ATWS-8	10.0	10.0	Left	179	75	0.3	AG,ID	Road Crossing
	Columbiana	ATWS-3705	10.0	10.1	Left	148	75	0.3	ID,RE	Road Crossing
	Columbiana	ATWS-4208	10.1	10.1	Left	103	100	0.2	ID,OL,RE	Road Crossing
	Columbiana	ATWS-25	10.1	10.1	Left	75	50	0.1	OL	Topsoil Segregation and Driveway Crossing
	Columbiana	ATWS-3706	10.1	10.2	Left	340	25	0.2	AG,OL	Topsoil Segregation
	Columbiana	ATWS-1118	10.2	10.3	Right	465	25	0.3	AG	Bend Installation
	Columbiana	ATWS-4000	10.2	10.2	Left	200	50	0.2	AG	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-4001	10.2	10.3	Left	222	25	0.1	AG	Topsoil Segregation
	Columbiana	ATWS-604	10.3	10.3	Right	303	75	0.5	AG,OL	Wetland Crossing
	Columbiana	ATWS-3296	10.3	10.3	Left	150	50	0.2	AG,OL	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-3707	10.3	10.4	Right	275	25	0.2	AG,FW	Topsoil Segregation
	Columbiana	ATWS-3709	10.5	10.5	Left	116	50	0.1	ID,FW,OL	Road Crossing
	Columbiana	ATWS-3313	10.5	10.5	Right	149	75	0.3	AG,ID,FW,OL	Road Crossing
	Columbiana	ATWS-3708	10.5	10.6	Left	298	50	0.3	AG,ID,FW	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-9	10.5	10.6	Right	192	75	0.3	AG,ID	Road Crossing
	Columbiana	ATWS-3711	10.6	10.6	Left	281	50	0.3	AG,FW	Waterbody Crossing
	Columbiana	ATWS-640	10.6	10.6	Right	79	75	0.1	AG,FW	Waterbody and Wetland Crossing
	Columbiana	ATWS-3710	10.6	10.6	Right	61	25	0.0	AG	Topsoil Segregation
	Columbiana	ATWS-2151	10.6	10.6	Right	134	75	0.2	AG	Waterbody Crossing
	Columbiana	ATWS-3312	10.6	10.7	Right	302	25	0.2	AG	Topsoil Segregation
	Columbiana	ATWS-3060	10.7	10.8	Right	313	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Columbiana	ATWS-4346	10.7	10.8	Left	200	25	0.1	AG	Bend Installation
	Columbiana	ATWS-2290	10.8	10.9	Right	833	25	0.5	AG	Topsoil Segregation
	Columbiana	ATWS-2288	10.9	11.0	Right	133	75	0.2	AG	Waterbody and Wetland Crossing.
	Columbiana	ATWS-2289	10.9	11.0	Left	123	50	0.1	AG	Waterbody and Wetland Crossing.
	Columbiana	ATWS-2287	11.0	11.0	Left	160	75	0.3	OL	Waterbody and Wetland Crossing.
	Columbiana	ATWS-3061	11.0	11.1	Right	167	75	0.3	AG,OL	Waterbody and Wetland Crossing.
	Columbiana	ATWS-3063	11.1	11.1	Left	250	25	0.1	OL	Bend Installation
	Columbiana	ATWS-3062	11.1	11.1	Right	110	25	0.1	OL	Topsoil Segregation
	Columbiana	ATWS-2286	11.1	11.1	Right	186	25	0.1	OL	Topsoil Segregation
	Columbiana	ATWS-2493	11.1	11.2	Left	296	75	0.5	OL	Bend Installation and Rail, Waterbody and Wetland Crossing
	Columbiana	ATWS-2635	11.1	11.2	Right	148	290	1.0	OL	Rail, Waterbody and Wetland Crossing
	Columbiana	ATWS-2492	11.2	11.3	Left	238	75	0.4	FW,OL	Rail, Waterbody and Wetland Crossing
	Columbiana	ATWS-2279	11.2	11.3	Right	217	100	0.4	FW,OL	Rail, Waterbody and Wetland Crossing
	Columbiana	ATWS-2285	11.3	11.3	Left	141	50	0.2	ID,OL	Road and Wetland Crossing
	Columbiana	ATWS-2278	11.3	11.4	Right	110	50	0.1	ID,OL,RE	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Columbiana	ATWS-4209	11.3	11.4	Left	169	25	0.1	ID,OL	Road Crossing
	Columbiana	ATWS-2277	11.4	11.4	Right	152	50	0.2	ID,OL	Road Crossing
	Columbiana	ATWS-4002	11.4	11.4	Left	64	25	0.0	OL,RE	Bend Installation
	Columbiana	ATWS-2276	11.4	11.7	Right	1094	25	0.6	AG,FW	Topsoil Segregation
	Columbiana	ATWS-4210	11.5	11.6	Left	296	25	0.2	AG	Bend Installation
	Columbiana	ATWS-4211	11.6	11.6	Left	250	25	0.1	AG	Bend Installation
	Columbiana	ATWS-3712	11.7	11.7	Right	131	25	0.1	OL	Bend Installation
	Columbiana	ATWS-3064	11.7	11.8	Left	659	25	0.4	AG,RE	Topsoil Segregation
	Columbiana	ATWS-1122	11.9	12.2	Left	1696	25	1.0	AG,OL	Topsoil Segregation
	Columbiana	ATWS-729	12.2	12.2	Left	152	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Columbiana	ATWS-3291	12.3	12.3	Left	297	75	0.5	AG,OL	Waterbody and Existing Pipeline Crossing and Topsoil Segregation
	Columbiana	ATWS-3713	12.4	12.4	Left	252	25	0.1	AG	Topsoil Segregation
	Columbiana	ATWS-33	12.4	12.5	Left	226	75	0.4	AG,ID,OL	Road Crossing
	Columbiana	ATWS-18	12.5	12.5	Left	348	75	0.6	AG,ID,OL	Road Crossing
	Stark	ATWS-34	12.5	12.6	Left	263	75	0.5	AG,ID	Road Crossing
	Stark	ATWS-1124	12.6	12.9	Left	1540	25	0.9	AG	Topsoil Segregation
	Stark	ATWS-4003	13.0	13.0	Left	323	60	0.4	AG	Drag Section for Wetland Crossing
	Stark	ATWS-3714	13.0	13.0	Left	261	50	0.3	AG,FW,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-3715	13.0	13.1	Left	120	25	0.1	FW	Bend Installation and Topsoil Segregation
	Stark	ATWS-3290	13.1	13.2	Left	237	50	0.3	ID,OL,RE	Road and Wetland Crossing
	Stark	ATWS-80	13.1	13.2	Right	216	75	0.4	ID,OL,RE	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-3716	13.2	13.2	Left	155	50	0.2	ID,FW,OL	Road Crossing
	Stark	ATWS-667	13.2	13.2	Right	152	50	0.2	ID,FW,OL	Road Crossing
	Stark	ATWS-3319	13.3	13.3	Left	284	25	0.2	OL,RE	Bend Installation
	Stark	ATWS-3320	13.3	13.4	Right	376	25	0.2	AG,OL	Topsoil Segregation
	Stark	ATWS-3293	13.3	13.4	Left	122	50	0.1	AG,OL	Bend Installation and Waterbody and Wetland Crossing
	Stark	ATWS-3294	13.4	13.4	Right	100	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-3295	13.4	13.4	Right	104	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-3292	13.4	13.4	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-1126	13.4	13.5	Right	347	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-3717	13.5	13.5	Right	205	25	0.1	FW,OL	Topsoil Segregation
	Stark	ATWS-3318	13.5	13.6	Right	399	50	0.5	AG,OL	Bend Installation and Topsoil Segregation
	Stark	ATWS-4212	13.5	13.6	Left	200	25	0.1	AG,OL	Bend Installation
	Stark	ATWS-2010	13.6	13.6	Right	163	75	0.3	AG	Waterbody and Wetland Crossing
	Stark	ATWS-3718	13.6	13.7	Right	54	25	0.0	AG	Topsoil Segregation
	Stark	ATWS-2230	13.7	13.8	Right	278	25	0.2	OL	Topsoil Segregation
	Stark	ATWS-35	14.0	14.0	Right	111	50	0.1	FW	Road, Waterbody and Wetland Crossing
	Stark	ATWS-3726	14.0	14.1	Left	222	50	0.3	FW	Road and Waterbody Crossing
	Stark	ATWS-666	14.0	14.1	Right	578	75	1.0	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Stark	ATWS-3719	14.1	14.2	Right	82	75	0.1	AG,ID,OL	Bend Installation and Road Crossing
	Stark	ATWS-642	14.1	14.2	Left	179	195	0.4	AG	Road Crossing
	Stark	ATWS-1128	14.2	14.4	Left	975	25	0.6	AG,OL	Bend Installation
	Stark	ATWS-3720	14.2	14.3	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-1129	14.3	14.6	Right	1410	25	0.8	AG	Topsoil Segregation
	Stark	ATWS-3727	14.5	14.6	Left	100	25	0.1	AG	Existing Pipeline Crossing
	Stark	ATWS-685	14.6	14.7	Right	454	50	0.5	AG,FW	Bend Installation and Topsoil Segregation
	Stark	ATWS-4213	14.6	14.7	Left	317	25	0.2	AG	Bend Installation
	Stark	ATWS-1130	14.7	14.7	Right	255	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-36	14.7	14.8	Left	189	50	0.2	AG,ID,OL	Road Crossing
	Stark	ATWS-3065	14.7	14.8	Right	163	75	0.3	AG,ID,OL	Road Crossing
	Stark	ATWS-4214	14.8	14.8	Right	200	75	0.3	AG,ID,OL	Road and Wetland Crossing
	Stark	ATWS-1131	14.8	14.8	Left	164	50	0.2	AG,ID,OL	Road Crossing
	Stark	ATWS-1132	14.8	14.9	Right	694	25	0.4	AG	Topsoil Segregation
	Stark	ATWS-499	14.9	15.0	Right	452	75	0.8	AG,FW	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-4005	15.0	15.0	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-1878	15.2	15.3	Right	517	75	0.9	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-4006	15.5	15.5	Left	226	25	0.1	AG	Bend Installation
	Stark	ATWS-1134	15.5	15.7	Right	1446	25	0.8	AG	Topsoil Segregation
	Stark	ATWS-3724	15.6	15.7	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-3722	15.7	15.7	Left	114	50	0.1	AG	Wetland Crossing
	Stark	ATWS-1879	15.7	15.7	Right	125	75	0.2	AG	Wetland Crossing
	Stark	ATWS-3721	15.8	15.8	Left	201	50	0.2	AG,OL	Bend Installation and Topsoil Segregation
	Stark	ATWS-3311	15.8	16.0	Left	1177	25	0.7	AG	Topsoil Segregation
	Stark	ATWS-3310	16.0	16.0	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Stark	ATWS-37	16.0	16.2	Left	764	25	0.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

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	Stark	ATWS-2935	16.2	16.3	Left	457	50	0.5	AG,ID	Road Crossing and Bend Installation
	Stark	ATWS-1135	16.2	16.3	Right	191	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-38	16.3	16.3	Right	168	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-39	16.3	16.3	Left	254	50	0.3	AG,ID	Road Crossing
	Stark	ATWS-1136	16.3	16.7	Right	2013	25	1.2	AG,ID,FW	Topsoil Segregation
	Stark	ATWS-3723	16.7	16.7	Right	254	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-3725	16.7	16.8	Right	101	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-40	16.8	16.8	Right	131	75	0.2	AG,ID	Road Crossing
	Stark	ATWS-4007	16.8	16.8	Left	285	75	0.5	AG,ID	Road Crossing
	Stark	ATWS-41	16.8	16.8	Right	108	50	0.1	AG,ID,RE	Road Crossing
	Stark	ATWS-1880	16.8	17.0	Left	615	25	0.3	AG,OL	Topsoil Segregation
	Stark	ATWS-2006	17.0	17.0	Left	343	50	0.4	AG	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-42	17.0	17.2	Right	543	75	0.9	AG	Waterbody, Wetland and Rail / Trail Crossing
	Stark	ATWS-2005	17.0	17.1	Left	251	50	0.3	AG,FW	Rail / Trail and Wetland Crossing
	Stark	ATWS-1137	17.3	17.3	Right	130	75	0.2	AG	Wetland Crossing
	Stark	ATWS-730	17.3	17.4	Right	262	50	0.3	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-4215	17.4	17.4	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-551	17.4	17.6	Right	880	25	0.5	AG	Topsoil Segregation
	Stark	ATWS-1138	17.6	17.6	Right	194	75	0.3	AG,FW	Wetland Crossing
	Stark	ATWS-1140	17.7	17.7	Right	237	25	0.1	AG,FW	Topsoil Segregation
	Stark	ATWS-4216	17.7	17.8	Left	171	50	0.2	AG	Road Crossing
	Stark	ATWS-44	17.7	17.8	Right	153	75	0.3	AG,OL	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

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	Stark	ATWS-43	17.8	17.8	Right	224	75	0.4	AG	Waterbody Crossing
	Stark	ATWS-4217	17.8	17.8	Left	125	50	0.1	AG	Road and Waterbody Crossing
	Stark	ATWS-1139	17.8	17.9	Right	458	25	0.3	AG	Topsoil Segregation
	Stark	ATWS-1141	18.0	18.2	Right	916	25	0.5	AG,OL	Topsoil Segregation
	Stark	ATWS-1881	18.2	18.3	Right	458	25	0.3	AG,OL	Topsoil Segregation
	Stark	ATWS-3066	18.3	18.3	Left	292	50	0.3	AG,OL	Road Crossing
	Stark	ATWS-45	18.3	18.3	Right	220	75	0.4	AG,OL	Road Crossing and Bend Installation
	Stark	ATWS-1142	18.3	18.5	Right	832	25	0.5	AG,ID,OL,RE	Topsoil Segregation
	Stark	ATWS-46	18.3	18.4	Left	130	50	0.1	AG,ID,RE	Road Crossing
	Stark	ATWS-47	18.4	18.5	Left	509	25	0.3	AG,RE	Bend Installation
	Stark	ATWS-48	18.5	18.6	Right	377	75	0.6	AG,ID	Rail and Road Crossing
	Stark	ATWS-49	18.6	18.7	Right	335	125	1.0	AG	Rail and Road Crossing
	Stark	ATWS-50	18.6	18.7	Left	346	75	0.6	AG,OL	Rail and Road Crossing
	Stark	ATWS-2239	18.7	18.9	Right	1038	25	0.6	AG	Topsoil Segregation
	Stark	ATWS-2238	18.9	19.0	Right	330	50	0.4	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-4218	18.9	18.9	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-3052	19.0	19.0	Right	108	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-3125	19.0	19.1	Right	200	50	0.2	AG	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-2240	19.1	19.3	Right	1016	25	0.6	AG,OL	Topsoil Segregation
	Stark	ATWS-2241	19.2	19.3	Left	198	25	0.1	AG	Bend Installation
	Stark	ATWS-2924	19.3	19.3	Right	154	75	0.3	AG	Waterbody and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2543	19.5	19.6	Right	881	75	1.5	AG,ID,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-2547	19.6	19.6	Left	323	50	0.4	AG,ID	Road Crossing
	Stark	ATWS-2546	19.6	19.7	Left	151	50	0.2	AG,ID	Road Crossing
	Stark	ATWS-2545	19.6	19.7	Right	150	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-3068	19.7	19.8	Right	1010	25	0.6	AG,FW	Topsoil Segregation
	Stark	ATWS-3067	19.8	19.9	Right	250	50	0.3	AG,FW	Bend Installation and Topsoil Segregation
	Stark	ATWS-4219	19.9	19.9	Left	177	25	0.1	AG	Bend Installation
	Stark	ATWS-2572	19.9	20.3	Right	2083	25	1.2	AG	Topsoil Segregation
	Stark	ATWS-3069	19.9	20.0	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-3070	20.1	20.2	Left	297	25	0.2	AG	Bend Installation
	Stark	ATWS-2534	20.3	20.4	Right	377	125	1.1	AG,FW	Road Crossing
	Stark	ATWS-3126	20.3	20.4	Left	271	75	0.5	AG	Road Bore Pull Back String
	Stark	ATWS-2535	20.3	20.4	Left	244	75	0.4	AG,FW	Road Crossing
	Stark	ATWS-2573	20.4	20.5	Right	307	75	0.5	FW,OL	Waterbody, Wetland and Road Crossing
	Stark	ATWS-2575	20.4	20.5	Left	139	75	0.3	FW,OL	Road and Waterbody Crossing
	Stark	ATWS-4220	20.5	20.6	Right	340	125	1.0	AG	Waterbody Crossing and Topsoil Segregation
	Stark	ATWS-4347	20.5	20.6	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-2574	20.6	20.7	Right	658	25	0.4	AG	Topsoil Segregation
	Stark	ATWS-2588	20.7	20.8	Right	286	75	0.5	AG,ID	Road Crossing
	Stark	ATWS-3073	20.7	20.8	Left	211	50	0.2	AG,ID	Road Crossing
	Stark	ATWS-3072	20.8	20.8	Left	241	50	0.3	AG	Road Crossing
	Stark	ATWS-2587	20.8	20.8	Right	165	75	0.3	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2577	20.8	21.1	Right	1550	25	0.9	AG	Topsoil Segregation
	Stark	ATWS-2470	21.1	21.2	Right	251	75	0.4	AG,ID	Road Crossing and Bend Installation
	Stark	ATWS-2468	21.1	21.2	Left	359	50	0.4	AG,ID	Road Crossing and Bend Installation
	Stark	ATWS-2467	21.2	21.2	Right	238	75	0.4	AG,ID	Road Crossing
	Stark	ATWS-2469	21.2	21.2	Left	185	50	0.2	AG,ID	Road Crossing
	Stark	ATWS-2576	21.2	21.3	Right	368	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-3127	21.3	21.3	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-4008	21.3	21.3	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-2583	21.3	21.7	Right	1814	25	1.0	AG,ID	Topsoil Segregation
	Stark	ATWS-2497	21.6	21.7	Left	207	75	0.4	AG,ID	Road Crossing
	Stark	ATWS-2581	21.7	21.7	Left	179	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-2582	21.7	21.7	Right	228	75	0.4	AG,ID	Road Crossing
	Stark	ATWS-2586	21.7	21.8	Right	145	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-3128	21.7	21.8	Left	197	50	0.2	AG	Waterbody Crossing
	Stark	ATWS-2585	21.8	21.8	Right	102	75	0.2	AG,OL	Waterbody Crossing
	Stark	ATWS-3129	21.8	21.8	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-2584	21.8	21.8	Right	108	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-2580	21.8	22.0	Right	824	25	0.5	AG	Topsoil Segregation
	Stark	ATWS-4009	21.8	21.9	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-2283	22.0	22.0	Left	199	50	0.2	AG,OL	Road and Waterbody Crossing
	Stark	ATWS-2755	22.0	22.1	Right	341	75	0.6	AG	Road and Waterbody Crossing
	Stark	ATWS-2282	22.0	22.1	Left	490	50	0.6	AG,ID	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2471	22.1	22.1	Right	249	75	0.4	AG,ID	Road and Waterbody Crossing
	Stark	ATWS-2908	22.1	22.2	Right	529	25	0.3	AG	Topsoil Segregation
	Stark	ATWS-3201	22.2	22.2	Left	100	25	0.1	AG	Bend Installation
	Stark	ATWS-2303	22.2	22.2	Left	126	75	0.2	AG,ID	Road and Waterbody Crossing
	Stark	ATWS-2601	22.2	22.2	Right	254	75	0.4	AG,ID	Waterbody, Wetland and Road Crossing
	Stark	ATWS-2602	22.3	22.3	Right	148	75	0.3	AG,OL	Waterbody, Wetland and Road Crossing
	Stark	ATWS-1154	22.3	22.7	Right	2194	25	1.3	AG	Topsoil Segregation
	Stark	ATWS-4010	22.5	22.6	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-3202	22.7	22.8	Left	145	50	0.2	AG,OL	Waterbody Crossing
	Stark	ATWS-689	22.7	22.7	Right	105	75	0.2	AG,OL	Waterbody Crossing
	Stark	ATWS-688	22.8	22.8	Right	142	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-3203	22.8	22.8	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-1885	22.8	23.0	Right	1008	25	0.6	AG	Topsoil Segregation
	Stark	ATWS-3207	23.0	23.0	Right	125	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-3204	23.0	23.0	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-3205	23.0	23.0	Left	131	50	0.2	AG	Waterbody Crossing
	Stark	ATWS-3206	23.0	23.0	Right	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-4401	23.0	23.1	Right	285	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-2002	23.1	23.1	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Stark	ATWS-2003	23.1	23.1	Left	76	25	0.0	AG	Existing Pipeline Crossing
	Stark	ATWS-1155	23.1	23.2	Right	685	25	0.4	AG	Topsoil Segregation
	Stark	ATWS-3130	23.2	23.2	Left	136	25	0.1	AG	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-60	23.2	23.2	Right	136	75	0.2	AG	Road Crossing
	Stark	ATWS-59	23.2	23.3	Right	106	75	0.2	AG,ID	Road and Existing Pipeline Crossing
	Stark	ATWS-2001	23.2	23.3	Left	356	50	0.4	AG,ID	Road and Existing Pipeline Crossing
	Stark	ATWS-1156	23.3	23.5	Right	1180	25	0.7	AG	Topsoil Segregation
	Stark	ATWS-3133	23.5	23.5	Left	170	25	0.1	AG,ID	Road Crossing
	Stark	ATWS-3132	23.5	23.6	Right	345	75	0.6	AG,ID	Road Crossing
	Stark	ATWS-3131	23.5	23.6	Left	337	25	0.2	ID,OL	Road Crossing
	Stark	ATWS-61	23.6	23.6	Right	157	75	0.3	ID,OL	Road Crossing
	Stark	ATWS-1157	23.6	23.8	Right	1271	25	0.7	FW,OL	Topsoil Segregation
	Stark	ATWS-734	23.8	23.9	Right	307	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Stark	ATWS-4011	23.8	23.9	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-1158	23.9	24.1	Right	1083	25	0.6	AG	Topsoil Segregation
	Stark	ATWS-733	23.9	24.0	Left	177	15	0.1	AG	Bend Installation
	Stark	ATWS-10	24.1	24.1	Right	75	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-2	24.1	24.1	Right	97	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-1886	24.1	24.2	Right	408	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-3074	24.2	24.2	Left	171	50	0.2	AG,ID,OL	Road Crossing
	Stark	ATWS-64	24.2	24.2	Right	168	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-63	24.2	24.3	Right	152	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-1159	24.3	24.4	Right	868	25	0.5	AG	Topsoil Segregation
	Stark	ATWS-4221	24.4	24.5	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-1160	24.4	24.5	Right	304	75	0.5	AG	Waterbody and Wetland Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-77	24.7	24.7	Right	275	75	0.5	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-1162	24.7	25.0	Right	1316	25	0.8	AG,OL	Topsoil Segregation
	Stark	ATWS-65	25.0	25.0	Right	98	75	0.2	AG,OL	Road Crossing
	Stark	ATWS-2936	25.0	25.0	Left	97	50	0.1	AG,OL	Road Crossing
	Stark	ATWS-2937	25.0	25.0	Left	96	50	0.1	ID,OL	Road Crossing
	Stark	ATWS-66	25.0	25.0	Right	94	75	0.2	ID,OL	Road Crossing
	Stark	ATWS-1161	25.0	25.1	Right	267	25	0.2	OL	Topsoil Segregation
	Stark	ATWS-4436	25.2	25.2	Left	72	25	0.0	OL,OW	Access to Hydrostatic Test Water
	Stark	ATWS-550	25.2	25.2	Left	268	25	0.2	FW,OL	Bend Installation
	Stark	ATWS-1164	25.3	25.3	Right	262	25	0.2	AG,FW	Topsoil Segregation
	Stark	ATWS-3134	25.3	25.4	Right	380	50	0.4	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-4012	25.3	25.4	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-1165	25.4	25.4	Right	148	75	0.3	AG	Wetland Crossing
	Stark	ATWS-1166	25.5	25.5	Right	266	50	0.3	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Stark	ATWS-4013	25.5	25.5	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-573	25.5	25.5	Right	118	75	0.2	AG	Road Crossing
	Stark	ATWS-2938	25.5	25.6	Left	180	50	0.2	AG,ID	Road Crossing
	Stark	ATWS-67	25.5	25.6	Right	200	75	0.3	AG,ID,OL	Road Crossing
	Stark	ATWS-2939	25.6	25.6	Left	140	50	0.2	AG,ID,OL	Road Crossing
	Stark	ATWS-1167	25.6	25.7	Right	718	25	0.4	AG	Topsoil Segregation
	Stark	ATWS-3135	25.7	25.7	Left	108	50	0.1	AG,FW	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-646	25.7	25.7	Right	147	75	0.3	AG	Waterbody Crossing
	Stark	ATWS-3136	25.7	25.8	Left	153	50	0.2	AG	Waterbody Crossing
	Stark	ATWS-645	25.8	25.8	Right	96	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-1163	25.8	25.9	Right	711	25	0.4	AG,FW	Topsoil Segregation
	Stark	ATWS-3468	26.0	26.0	Left	102	25	0.1	FW	Existing Pipeline Crossing
	Stark	ATWS-3208	26.0	26.0	Left	69	25	0.0	FW,OL	Existing Pipeline Crossing
	Stark	ATWS-1171	26.1	26.3	Right	1007	25	0.6	AG,FW	Topsoil Segregation
	Stark	ATWS-2000	26.3	26.3	Right	155	50	0.2	AG	Extra Workspace for Construction Near Residential Building
	Stark	ATWS-68	26.3	26.4	Left	88	25	0.1	AG,FW	Road Crossing
	Stark	ATWS-1170	26.4	26.5	Right	538	25	0.3	AG,FW,OL	Topsoil Segregation
	Stark	ATWS-69	26.4	26.4	Left	145	75	0.2	AG,ID	Road Crossing
	Stark	ATWS-3137	26.4	26.4	Left	195	25	0.1	AG	Bend Installation
	Stark	ATWS-70	26.5	26.7	Left	997	25	0.6	AG,FW	Bend Installation
	Stark	ATWS-1173	26.5	26.7	Right	993	25	0.6	AG,FW	Topsoil Segregation
	Stark	ATWS-2490	26.7	26.8	Right	188	75	0.3	AG	Waterbody and Wetland Crossing
	Stark	ATWS-2491	26.8	26.8	Right	156	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-2489	26.8	26.8	Right	125	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-3139	26.8	26.8	Left	54	50	0.1	AG,FW	Waterbody Crossing
	Stark	ATWS-3138	26.8	26.9	Left	110	50	0.1	OL	Waterbody Crossing
	Stark	ATWS-2488	26.8	26.9	Right	311	75	0.5	OL	Waterbody and Wetland Crossing
	Stark	ATWS-2487	26.9	27.2	Right	1248	25	0.7	AG	Topsoil Segregation
	Stark	ATWS-2486	27.2	27.2	Right	197	50	0.2	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2485	27.2	27.2	Left	223	75	0.4	AG,ID	Road Crossing
	Stark	ATWS-2484	27.2	27.3	Left	161	75	0.3	ID,OL	Road Crossing
	Stark	ATWS-2483	27.2	27.3	Right	164	75	0.3	AG,OL	Road Crossing and Bend Installation
	Stark	ATWS-3140	27.3	27.3	Left	388	25	0.2	AG,OL	Bend Installation and Existing Pipeline Crossing
	Stark	ATWS-2482	27.3	27.3	Right	110	50	0.1	AG	Existing Pipeline Crossing
	Stark	ATWS-2481	27.3	27.4	Right	465	25	0.3	AG	Topsoil Segregation
	Stark	ATWS-3141	27.3	27.4	Left	269	25	0.2	AG	Bend Installation and Existing Pipeline Crossing
	Stark	ATWS-2301	27.4	27.4	Right	125	75	0.2	AG	Wetland Crossing
	Stark	ATWS-2300	27.4	27.4	Left	120	50	0.1	AG	Wetland Crossing
	Stark	ATWS-2298	27.4	27.5	Right	95	75	0.2	AG	Wetland Crossing
	Stark	ATWS-2299	27.5	27.5	Left	150	50	0.2	AG,OL	Wetland Crossing
	Stark	ATWS-4222	27.5	27.5	Right	198	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-4014	27.5	27.5	Left	198	25	0.1	AG	Bend Installation
	Stark	ATWS-2297	27.5	27.6	Right	695	75	1.2	AG	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-4223	27.6	27.7	Right	324	125	0.9	AG	Waterbody Crossing
	Stark	ATWS-2296	27.7	27.7	Left	105	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-2293	27.7	27.8	Right	329	75	0.6	AG	Waterbody and Wetland Crossing
	Stark	ATWS-2295	27.7	27.8	Left	167	50	0.2	AG	Waterbody Crossing
	Stark	ATWS-2294	27.8	27.8	Right	132	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-4015	27.8	28.0	Right	920	25	0.5	AG,FW,OL	Wetland Crossing and Moving Equipment
	Stark	ATWS-4017	27.9	27.9	Left	200	25	0.1	OL	Bend Installation
	Stark	ATWS-735	28.0	28.0	Left	135	300	0.9	OL	Rail and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-500	28.0	28.1	Right	340	100	0.8	FW,OL	Rail and Wetland Crossing
	Stark	ATWS-736	28.0	28.1	Left	144	75	0.2	OL,RE	Rail Crossing
	Stark	ATWS-501	28.1	28.1	Right	295	75	0.5	RE	Rail Crossing
	Stark	ATWS-2940	28.1	28.2	Left	420	50	0.5	RE	Road and Existing Pipeline Crossing and Bend Installation
	Stark	ATWS-85	28.2	28.2	Right	80	50	0.1	RE	Road Crossing
	Stark	ATWS-2941	28.2	28.2	Left	151	50	0.2	AG,ID,OL	Road Crossing
	Stark	ATWS-84	28.2	28.2	Right	316	125	0.9	AG,ID,OL	Road Crossing
	Stark	ATWS-3076	28.2	28.3	Right	526	25	0.3	AG	Topsoil Segregation
	Stark	ATWS-3075	28.3	28.4	Right	310	50	0.4	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-4016	28.4	28.4	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-1177	28.4	28.6	Right	1000	25	0.6	AG,FW	Topsoil Segregation
	Stark	ATWS-4348	28.5	28.6	Left	254	25	0.1	AG,FW	Bend Installation
	Stark	ATWS-3143	28.7	28.8	Left	676	50	0.8	AG	Wetland Crossing
	Stark	ATWS-4018	28.7	28.8	Right	562	75	1.0	AG,FW	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-1176	28.8	28.9	Right	369	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-4349	28.8	28.8	Left	137	25	0.1	AG	Bend Installation
	Stark	ATWS-1178	29.0	29.1	Left	411	75	0.7	AG,FW	Wetland Crossing and Topsoil Segregation
	Stark	ATWS-3234	29.2	29.2	Left	250	50	0.3	FW	Waterbody, Wetland and Road Crossing
	Stark	ATWS-86	29.2	29.2	Right	250	50	0.3	FW	Wetland Crossing
	Stark	ATWS-1179	29.3	29.3	Left	172	75	0.3	AG,ID	Bend Installation and Road and Waterbody Crossing
	Stark	ATWS-737	29.3	29.4	Right	406	75	0.7	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-738	29.3	29.4	Left	183	25	0.1	AG	Bend Installation
	Stark	ATWS-1180	29.4	29.6	Right	1086	25	0.6	AG	Topsoil Segregation
	Stark	ATWS-3235	29.6	29.6	Left	144	50	0.2	AG	Waterbody Crossing
	Stark	ATWS-1181	29.6	29.6	Right	131	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-739	29.6	29.7	Right	471	75	0.8	AG	Waterbody and Wetland Crossing
	Stark	ATWS-2233	29.7	29.7	Left	178	50	0.2	AG,FW	Bend Installation and Topsoil Segregation
	Stark	ATWS-2501	29.7	29.8	Right	421	50	0.5	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-4019	29.8	29.8	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-3145	29.9	30.0	Left	287	25	0.2	FW,OL	Bend Installation
	Stark	ATWS-1183	30.0	30.1	Right	231	75	0.4	AG	Wetland Crossing
	Stark	ATWS-4224	30.1	30.1	Left	200	25	0.1	AG	Bend Installation
	Stark	ATWS-4359	30.1	30.2	Right	339	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Stark	ATWS-3144	30.1	30.3	Left	642	25	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Stark	ATWS-87	30.3	30.3	Left	136	75	0.2	AG,ID,RE	Road Crossing
	Stark	ATWS-88	30.3	30.4	Left	227	75	0.4	AG,ID	Road Crossing
	Stark	ATWS-1999	30.4	30.4	Left	272	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-1182	30.4	30.5	Left	335	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-2160	30.5	30.6	Left	642	25	0.4	AG,OL	Topsoil Segregation
	Stark	ATWS-3236	30.6	30.7	Left	364	50	0.4	AG	Waterbody Crossing, Bend Installation and Topsoil Segregation
	Stark	ATWS-2496	30.7	30.7	Right	133	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-6	30.7	30.7	Right	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-3237	30.7	30.7	Right	100	50	0.1	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-3238	30.7	30.7	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-2232	30.7	30.8	Right	404	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-3146	30.8	30.8	Left	150	50	0.2	AG,ID	Road Crossing
	Stark	ATWS-2231	30.8	30.8	Right	149	75	0.3	AG,ID	Road Crossing
	Stark	ATWS-612	30.8	30.9	Right	240	75	0.4	AG,ID	Road and Waterbody Crossing
	Stark	ATWS-3147	30.8	30.9	Left	426	50	0.5	AG,ID,RE	Road and Waterbody Crossing
	Stark	ATWS-613	30.9	31.0	Right	142	75	0.2	AG,OL	Waterbody Crossing
	Stark	ATWS-3240	30.9	31.0	Left	100	50	0.1	AG,OL	Waterbody Crossing
	Stark	ATWS-1186	31.0	31.3	Right	1942	25	1.1	AG	Topsoil Segregation
	Stark	ATWS-3241	31.1	31.1	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-3242	31.2	31.2	Left	300	25	0.2	AG	Bend Installation
	Stark	ATWS-3243	31.3	31.3	Right	150	75	0.3	AG	Wetland Crossing and Topsoil Segregation (Outside of Wetland)
	Stark	ATWS-4225	31.4	31.5	Left	164	50	0.2	OL	Waterbody Crossing and Topsoil Segregation
	Stark	ATWS-3151	31.5	31.6	Right	452	25	0.3	OL	Topsoil Segregation
	Stark	ATWS-3148	31.6	31.6	Right	100	75	0.2	OL	Waterbody Crossing
	Stark	ATWS-3149	31.6	31.6	Left	100	50	0.1	OL	Waterbody Crossing
	Stark	ATWS-2254	31.6	31.6	Right	154	75	0.3	AG,OL	Waterbody Crossing
	Stark	ATWS-3150	31.6	31.6	Left	100	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-2165	31.6	31.8	Right	1119	25	0.6	AG	Topsoil Segregation
	Stark	ATWS-3077	31.7	31.8	Left	286	25	0.2	AG	Bend Installation
	Stark	ATWS-89	31.8	31.9	Left	350	50	0.4	AG,ID	Road Crossing and Bend Installation
	Stark	ATWS-2251	31.8	31.9	Right	188	75	0.3	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2252	31.9	31.9	Right	298	75	0.5	AG,ID	Road Crossing
	Stark	ATWS-2250	31.9	32.0	Left	363	50	0.4	AG,ID	Bend Installation and Road and Waterbody Crossing
	Stark	ATWS-2253	31.9	32.0	Right	244	25	0.1	AG	Topsoil Segregation
	Stark	ATWS-691	32.0	32.0	Right	110	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-2249	32.0	32.0	Left	114	50	0.1	AG	Waterbody Crossing
	Stark	ATWS-3244	32.0	32.0	Right	100	75	0.2	AG	Waterbody Crossing
	Stark	ATWS-1386	32.0	32.1	Right	297	25	0.2	AG	Topsoil Segregation
	Stark	ATWS-90	32.1	32.1	Left	160	50	0.2	AG,OL	Road Crossing
	Stark	ATWS-3245	32.1	32.1	Right	199	75	0.3	AG	Road Crossing
	Stark	ATWS-3246	32.1	32.2	Right	249	100	0.6	AG,ID	Road and Wetland Crossing
	Stark	ATWS-1384	32.2	32.2	Right	99	75	0.2	AG,OL	Waterbody Crossing
	Stark	ATWS-740	32.2	32.3	Right	209	75	0.4	AG	Waterbody and Wetland Crossing
	Stark	ATWS-1385	32.3	32.5	Right	1334	25	0.8	AG	Topsoil Segregation
	Stark	ATWS-1393	32.5	32.6	Right	537	50	0.6	AG	Bend Installation and Topsoil Segregation
	Stark	ATWS-3247	32.6	32.7	Left	214	25	0.1	FW,OL	Bend Installation
	Stark	ATWS-3248	32.7	32.8	Right	223	50	0.3	FW,OL	Bend Installation and Road and Wetland Crossing
	Stark	ATWS-4020	32.7	32.7	Left	194	25	0.1	FW,OL	Bend Installation
	Stark	ATWS-3250	32.7	32.8	Left	72	62	0.1	FW,OL	Bend Installation and Road and Wetland Crossing
	Stark	ATWS-647	32.8	32.8	Left	287	75	0.5	ID,FW,OL	Road and Wetland Crossing
	Stark	ATWS-3249	32.8	32.8	Right	192	50	0.2	OL,RE	Road and Wetland Crossing
	Stark	ATWS-2255	32.9	33.0	Left	172	75	0.9	ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2256	33.0	33.0	Right	103	20	0.0	ID,OL	Road Crossing
	Stark	ATWS-3078	33.0	33.0	Right	152	25	0.1	ID,OL,RE	Road Crossing
	Stark	ATWS-3251	33.0	33.0	Left	129	50	0.1	ID,RE	Road Crossing
	Stark	ATWS-3252	33.0	33.0	Right	66	67	0.1	OL,RE	Road Crossing
	Stark	ATWS-3253	33.0	33.0	Right	45	25	0.0	OL,RE	Bend Installation
	Stark	ATWS-3254	33.1	33.1	Right	128	107	0.3	FW,OL,RE	Road Crossing
	Stark	ATWS-2258	33.1	33.1	Left	250	200	1.1	ID,FW,OL	Road and Wetland Crossing
	Stark	ATWS-3255	33.1	33.1	Left	48	25	0.0	ID,OL	Road Crossing
	Stark	ATWS-2260	33.2	33.3	Left	226	75	0.4	FW,OL,RE	Bend and Long Bore Installation
	Stark	ATWS-3256	33.2	33.3	Right	279	95	0.6	ID,OL	Long Bore Pull Back String
	Stark	ATWS-2259	33.3	33.3	Right	82	75	0.1	FW,OL	Long Bore Installation
	Stark	ATWS-4226	33.3	33.6	Right	1498	25	0.9	FW,OL,RE	Wetland Crossing and Equipment Movement
	Stark	ATWS-4021	33.6	33.6	Right	100	50	0.1	FW	Waterbody and Wetland Crossing
	Stark	ATWS-4022	33.7	33.7	Left	100	50	0.1	FW	Waterbody and Wetland Crossing
	Stark	ATWS-4227	33.7	33.8	Right	190	25	0.1	FW	Wetland Crossing and Equipment Movement
	Stark	ATWS-2628	33.8	33.8	Right	100	50	0.1	FW	Waterbody and Wetland Crossing
	Stark	ATWS-2629	33.8	33.8	Left	100	50	0.1	FW	Waterbody and Wetland Crossing
	Stark	ATWS-2630	33.8	33.8	Right	86	50	0.1	FW	Waterbody and Wetland Crossing
	Stark	ATWS-2235	33.8	33.9	Left	197	50	0.2	FW	Bend Installation and Waterbody and Wetland Crossing
	Stark	ATWS-3152	33.8	33.9	Right	123	100	0.3	AG,FW,OL	Waterbody and Wetland Crossing
	Stark	ATWS-2378	33.9	33.9	Left	105	50	0.1	OL	Waterbody Crossing
	Stark	ATWS-2381	33.9	33.9	Right	102	75	0.2	OL	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Stark	ATWS-2234	33.9	34.0	Right	340	25	0.2	OL	Topsoil Segregation
	Stark	ATWS-2379	34.0	34.0	Right	167	75	0.3	ID,OL	Road Crossing
	Stark	ATWS-3191	34.0	34.0	Left	200	50	0.2	ID,OL	Road Crossing
	Stark	ATWS-4023	34.0	34.0	Left	36	50	0.0	AG,ID	Road Crossing
	Stark	ATWS-2380	34.0	34.1	Right	524	75	0.9	AG,ID	Road Crossing and Bend Installation
	Stark	ATWS-3192	34.0	34.1	Left	280	50	0.3	AG	Road Crossing and Bend Installation
	Stark/Summit	ATWS-4228	34.1	34.2	Right	300	125	0.9	AG	Wetland Crossing and Topsoil Segregation
	Summit	ATWS-2385	34.3	34.3	Left	216	75	0.4	OL	Rail Crossing
	Summit	ATWS-2384	34.3	34.3	Right	222	100	0.5	OL	Rail Crossing
	Summit	ATWS-2386	34.3	34.4	Left	162	75	0.3	FW	Rail Crossing
	Summit	ATWS-2382	34.3	34.4	Right	319	100	0.7	FW	Bend Installation and Rail Crossing
	Summit	ATWS-3265	34.4	34.4	Left	75	25	0.0	FW	Existing Pipeline Crossing
	Summit	ATWS-4229	34.4	34.6	Right	1181	25	0.7	FW,OL,RE	Wetland Crossing and Equipment Movement
	Summit	ATWS-3264	34.4	34.4	Left	75	25	0.0	FW	Existing Pipeline Crossing
	Summit	ATWS-2359	34.6	34.7	Left	526	75	0.9	OL,RE	Waterbody and Wetland Crossing
	Summit	ATWS-2357	34.7	34.7	Right	136	25	0.1	RE	Waterbody and Wetland Crossing
	Summit	ATWS-4230	34.8	34.9	Right	667	75	1.1	AG,FW	Waterbody Crossing, Bend Installation and Topsoil Segregation
	Summit	ATWS-2362	34.8	34.9	Left	495	25	0.3	AG	Bend Installation
	Summit	ATWS-3155	34.9	34.9	Left	100	50	0.1	AG	Waterbody Crossing
	Summit	ATWS-2363	34.9	35.0	Right	506	125	1.5	AG,ID,OL	Road and Waterbody Crossing and Topsoil Segregation
	Summit	ATWS-2364	35.0	35.0	Left	246	50	0.3	AG,ID,FW,OL	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-2377	35.0	35.0	Right	134	50	0.2	ID,RE	Road Crossing
	Summit	ATWS-2365	35.0	35.0	Left	105	50	0.1	ID,RE	Road Crossing
	Summit	ATWS-3080	35.0	35.1	Left	240	25	0.1	OL,RE	Bend Installation
	Summit	ATWS-2356	35.2	35.3	Right	394	75	0.7	OL	Wetland Crossing
	Summit	ATWS-3158	35.2	35.2	Left	75	25	0.0	OL	Existing Pipeline Crossing
	Summit	ATWS-3157	35.2	35.2	Left	75	25	0.0	OL	Existing Pipeline Crossing
	Summit	ATWS-93	35.4	35.5	Right	484	100	1.0	AG	Bend Installation and Road and Wetland Crossing
	Summit	ATWS-2337	35.4	35.4	Left	339	50	0.4	AG,FW,OL	Road and Wetland Crossing
	Summit	ATWS-94	35.5	35.6	Right	204	100	0.5	FW	Road and Wetland Crossing
	Summit	ATWS-4231	35.6	35.6	Right	288	25	0.2	AG,FW	Wetland Crossing and Topsoil Segregation
	Summit	ATWS-2335	35.6	35.7	Right	390	75	0.7	AG	Wetland Crossing
	Summit	ATWS-2336	35.7	35.9	Right	850	25	0.5	AG,FW	Topsoil Segregation
	Summit	ATWS-2338	35.8	35.8	Left	415	25	0.2	AG,FW	Bend Installation
	Summit	ATWS-3081	35.9	36.0	Left	245	25	0.1	AG	Bend Installation
	Summit	ATWS-2333	35.9	36.0	Right	477	25	0.3	AG,RE	Topsoil Segregation
	Summit	ATWS-3160	36.0	36.2	Right	789	50	0.9	AG,FW,RE	Bend Installation and Road and Wetland Crossing
	Summit	ATWS-4024	36.0	36.1	Left	200	25	0.1	AG	Bend Installation
	Summit	ATWS-4232	36.1	36.2	Left	598	60	0.8	AG,RE	Wetland Crossing Drag Section
	Summit	ATWS-2339	36.4	36.4	Right	311	25	0.2	FW,OL	Bend Installation
	Summit	ATWS-2334	36.5	36.5	Left	201	25	0.1	FW	Bend Installation
	Summit	ATWS-2858	36.6	36.6	Left	228	25	0.1	FW	Bend Installation
	Summit	ATWS-3082	36.7	36.7	Right	168	25	0.1	OL	Wetland Crossing and Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-4233	36.7	36.7	Left	240	75	0.4	OL	Waterbody and Wetland Crossing
	Summit	ATWS-4025	36.7	36.7	Right	53	25	0.0	OL	Waterbody Crossing
	Summit	ATWS-3211	36.7	36.8	Left	223	90	0.2	ID,RE	Road and Waterbody Crossing
	Summit	ATWS-4026	36.8	36.8	Right	61	25	0.0	RE	Waterbody Crossing
	Summit	ATWS-2351	36.8	36.8	Right	207	75	0.4	AG,ID	Road Crossing and Bend Installation
	Summit	ATWS-2350	36.8	36.9	Left	782	50	0.9	AG,ID,FW,OL	Bend Installation and Road and Wetland Crossing
	Summit	ATWS-2352	36.8	36.9	Right	574	25	0.3	AG,FW	Topsoil Segregation
	Summit	ATWS-4027	37.2	37.3	Right	517	75	0.9	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Summit	ATWS-4350	37.2	37.3	Left	210	25	0.1	AG,FW	Bend Installation
	Summit	ATWS-2323	37.3	37.3	Right	88	50	0.1	AG,FW	Bend Installation and Topsoil Segregation
	Summit	ATWS-2326	37.3	37.3	Right	181	75	0.3	FW	Road Crossing
	Summit	ATWS-3212	37.4	37.4	Left	116	50	0.1	ID	Road Crossing
	Summit	ATWS-2325	37.4	37.4	Left	183	75	0.3	ID,FW,OL	Waterbody, Wetland and Road Crossing
	Summit	ATWS-2324	37.4	37.4	Right	88	100	0.2	ID,FW,OL	Waterbody, Wetland and Road Crossing
	Summit	ATWS-2349	37.5	37.5	Right	186	25	0.1	OL	Topsoil Segregation
	Summit	ATWS-2327	37.6	37.7	Right	635	75	1.1	AG	Wetland Crossing and Topsoil Segregation
	Summit	ATWS-2328	37.6	37.7	Left	298	25	0.2	AG	Bend Installation
	Summit	ATWS-2329	37.7	37.8	Left	205	50	0.2	FW	Bend Installation and Wetland Crossing
	Summit	ATWS-3161	37.8	37.8	Left	103	50	0.1	ID,RE	Road Crossing
	Summit	ATWS-3268	37.8	37.9	Left	136	50	0.2	ID,FW,RE	Road Crossing
	Summit	ATWS-2330	37.8	37.9	Right	97	50	0.1	ID,FW,RE	Road Crossing
	Summit	ATWS-2331	37.9	37.9	Right	265	25	0.2	FW,RE	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-4234	38.0	38.0	Right	100	50	0.1	FW	Existing Pipeline Crossing
	Summit	ATWS-2322	38.2	38.2	Right	309	25	0.2	FW	Bend Installation
	Summit	ATWS-2347	38.3	38.3	Left	118	50	0.1	FW	Road Crossing
	Summit	ATWS-2265	38.3	38.3	Right	139	50	0.2	FW	Road Crossing
	Summit	ATWS-2346	38.3	38.3	Left	82	50	0.1	ID,FW	Road Crossing
	Summit	ATWS-2264	38.3	38.3	Right	85	50	0.1	ID,FW	Road Crossing
	Summit	ATWS-4028	38.4	38.5	Right	433	50	0.5	FW,OL	Bend Installation and Topsoil Segregation
	Summit	ATWS-3270	38.6	38.7	Right	75	25	0.0	OL	Driveway Crossing
	Summit	ATWS-3166	38.8	38.9	Right	459	75	0.8	AG,FW	Bend Installation and Topsoil Segregation
	Summit	ATWS-3167	38.9	38.9	Right	252	25	0.1	AG	Topsoil Segregation
	Summit	ATWS-2312	38.9	39.0	Right	259	75	0.4	AG,ID	Road Crossing
	Summit	ATWS-2313	38.9	39.0	Left	327	50	0.3	AG,FW	Bend Installation and Road Crossing
	Summit	ATWS-2315	39.0	39.0	Right	165	50	0.2	ID,RE	Road Crossing
	Summit	ATWS-2314	39.0	39.0	Left	168	25	0.1	ID,RE	Road Crossing
	Summit	ATWS-2316	39.1	39.1	Left	275	25	0.2	AG,FW,OL	Bend Installation
	Summit	ATWS-2263	39.1	39.1	Right	318	25	0.2	AG,FW	Topsoil Segregation
	Summit	ATWS-3272	39.2	39.2	Right	163	25	0.1	FW,RE	Topsoil Segregation
	Summit	ATWS-2317	39.2	39.3	Right	290	50	0.3	RE	Bend Installation and Topsoil Segregation
	Summit	ATWS-2262	39.3	39.3	Right	344	25	0.2	RE	Topsoil Segregation
	Summit	ATWS-2318	39.3	39.3	Right	87	75	0.1	RE	Waterbody and Wetland Crossing
	Summit	ATWS-2311	39.4	39.4	Right	149	100	0.3	AG,FW	Waterbody and Wetland Crossing
	Summit	ATWS-2319	39.4	39.4	Left	116	75	0.2	AG	Waterbody and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-2274	39.4	39.5	Right	452	25	0.3	AG	Wetland Crossing and Topsoil Segregation
	Summit	ATWS-2320	39.5	39.5	Right	121	75	0.2	AG,FW	Waterbody Crossing and Topsoil Segregation
	Summit	ATWS-2321	39.5	39.5	Left	115	50	0.1	AG,FW	Waterbody Crossing
	Summit	ATWS-1401	39.5	39.6	Left	148	50	0.2	AG,FW,OL	Bend Installation and Waterbody Crossing
	Summit	ATWS-2275	39.5	39.5	Right	328	50	0.4	AG	Waterbody Crossing, Bend Installation and Topsoil Segregation
	Summit	ATWS-577	39.6	39.7	Right	354	50	0.4	FW,OL	Wetland Crossing
	Summit	ATWS-99	39.8	39.8	Left	152	50	0.2	ID,OL	Road and Wetland Crossing
	Summit	ATWS-3274	39.8	39.8	Right	154	75	0.3	ID,OL	Road and Wetland Crossing
	Summit	ATWS-743	39.8	39.8	Right	142	75	0.2	ID,FW,RE	Waterbody, Wetland and Road Crossing
	Summit	ATWS-3171	39.9	40.0	Left	300	25	0.2	FW,OL,RE	Bend Installation
	Summit	ATWS-100	40.0	40.0	Right	214	50	0.2	FW,OL	Waterbody and Wetland Crossing
	Summit	ATWS-3172	40.1	40.3	Left	800	25	0.5	FW,OL	Bend Installation and Wetland Crossing
	Summit	ATWS-627	40.2	40.3	Right	516	50	0.6	FW	Wetland Crossings and Bend Installation
	Summit	ATWS-2089	40.3	40.3	Left	179	50	0.2	ID,FW,OL	Road and Wetland Crossing
	Summit	ATWS-3275	40.3	40.3	Right	146	50	0.2	ID,FW,OL,RE	Waterbody, Wetland and Road Crossing
	Summit	ATWS-3276	40.3	40.4	Right	155	50	0.2	ID,OL	Waterbody, Wetland and Road Crossing
	Summit	ATWS-101	40.3	40.4	Left	96	50	0.1	ID,OL	Waterbody, Wetland and Road Crossing
	Summit	ATWS-2090	40.4	40.7	Left	2080	100	3.3	AG,FW	HDD Pull Back String
	Summit	ATWS-102	40.6	40.8	Right	659	75	1.1	AG,FW	Bend Installation and Wetland Crossing and Topsoil Segregation
	Summit	ATWS-1991	40.6	40.7	Left	80	25	0.0	AG	Existing Pipeline Crossing
	Summit	ATWS-3213	40.7	40.7	Left	130	25	0.1	AG,FW	Bend Installation and Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-2091	40.7	40.8	Left	602	100	1.4	AG	HDD Crossing
	Summit	ATWS-2927	40.8	40.8	Left	38	55	0.1	AG	Extending Width of Road Turn Radius for Vehicle/ Material Movement
	Summit	ATWS-1402	40.8	40.8	Right	190	75	0.3	AG,FW,OL	HDD Crossing
	Summit	ATWS-4415	41.0	41.1	Left	253	50	0.1	AG,ID,OL,RE	Road and Wetland Crossing
	Summit	ATWS-103	41.1	41.2	Right	272	72	0.5	AG	HDD Crossing
	Summit	ATWS-548	41.1	41.2	Left	520	125	1.5	AG	HDD Crossing
	Summit	ATWS-1362	41.2	41.2	Right	213	25	0.1	AG,FW	Topsoil Segregation
	Summit	ATWS-3214	41.5	41.6	Right	205	50	0.2	ID,OL,RE	Road and Existing Pipeline Crossing
	Summit	ATWS-4029	41.5	41.6	Left	484	50	0.6	ID,FW	Road and Waterbody Crossing and Side Slope Construction
	Summit	ATWS-3278	42.0	42.0	Left	250	50	0.3	OL	Waterbody and Wetland Crossing
	Summit	ATWS-744	42.0	42.1	Right	486	25	0.3	OL,RE	Bend Installation and Road and Wetland Crossing
	Summit	ATWS-2273	42.1	42.1	Left	315	75	0.5	ID,OL	Bend Installation and Road Crossing
	Summit	ATWS-2272	42.1	42.2	Left	276	50	0.3	ID,FW,RE	Road Crossing
	Summit	ATWS-2271	42.1	42.2	Right	160	75	0.3	FW,OL	Road Crossing
	Summit	ATWS-3279	42.2	42.3	Left	125	25	0.1	FW,RE	Existing Pipeline Crossing
	Summit	ATWS-104	42.3	42.3	Right	186	25	0.1	OL	Topsoil Segregation
	Summit	ATWS-3174	42.4	42.5	Right	100	50	0.1	OL	Waterbody Crossing
	Summit	ATWS-3280	42.5	42.5	Left	100	50	0.1	FW,OL	Waterbody Crossing
	Summit	ATWS-3175	42.5	42.5	Right	100	50	0.1	OL	Waterbody Crossing
	Summit	ATWS-3281	42.5	42.6	Left	495	25	0.3	FW,OL,RE	Bend Installation and Additional Workspace for Construction Around Pond
	Summit	ATWS-1403	42.6	42.6	Right	157	25	0.1	AG,RE	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-105	42.6	42.7	Right	136	75	0.2	AG	Road Crossing
	Summit	ATWS-106	42.7	42.7	Right	118	75	0.2	ID,FW,RE	Road Crossing
	Summit	ATWS-3180	42.7	42.7	Left	115	50	0.1	ID,FW,RE	Road Crossing
	Summit	ATWS-3216	42.8	42.8	Right	359	25	0.2	FW,OL,RE	Bend Installation
	Summit	ATWS-745	42.8	42.9	Left	405	25	0.2	FW	Bend Installation
	Summit	ATWS-1404	43.1	43.2	Right	414	25	0.2	OL	Topsoil Segregation
	Summit	ATWS-3282	43.2	43.2	Left	75	25	0.0	FW	Existing Pipeline Crossing
	Summit	ATWS-3283	43.2	43.2	Left	75	25	0.0	AG,FW	Existing Pipeline Crossing
	Summit	ATWS-2157	43.2	43.2	Right	243	25	0.1	AG	Topsoil Segregation
	Summit	ATWS-692	43.2	43.3	Right	145	75	0.2	AG,FW	Waterbody Crossing
	Summit	ATWS-3219	43.3	43.3	Left	124	50	0.1	FW	Waterbody Crossing
	Summit	ATWS-693	43.3	43.3	Right	176	50	0.2	AG	Waterbody and Existing Pipeline Crossing and Topsoil Segregation
	Summit	ATWS-3218	43.3	43.3	Left	149	25	0.1	AG,FW	Existing Pipeline Crossing
	Summit	ATWS-109	43.4	43.5	Right	642	50	0.7	AG	Ravine Crossing, Topsoil Segregation and Bend Installation
	Summit	ATWS-4235	43.4	43.4	Left	153	25	0.1	AG,FW	Bend Installation
	Summit	ATWS-110	43.4	43.5	Left	234	50	0.3	AG,FW	Bend Installation and Existing Pipeline Crossing
	Summit	ATWS-3284	43.5	43.5	Left	36	50	0.0	FW,OL	Existing Pipeline Crossing
	Summit	ATWS-1990	43.5	43.5	Left	106	50	0.1	OL	Existing Pipeline Crossing
	Summit	ATWS-107	43.6	43.6	Right	140	75	0.2	RE	Road Crossing
	Summit	ATWS-108	43.6	43.7	Right	132	75	0.2	ID,RE	Road Crossing
	Summit	ATWS-1407	43.8	43.8	Right	352	50	0.4	FW	Waterbody and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-1408	43.9	44.0	Right	216	75	0.4	AG,FW	Bend Installation and Waterbody and Wetland Crossing and Topsoil Segregation
	Summit	ATWS-112	44.0	44.1	Right	539	75	0.9	FW,OL	Bend Installation and Waterbody and Wetland Crossing
	Summit	ATWS-4389	44.2	44.2	Left	100	25	0.1	AG	Existing Pipeline Crossing
	Summit	ATWS-1365	44.2	44.4	Right	516	25	0.4	AG,OL	Topsoil Segregation
	Summit	ATWS-2548	44.3	44.3	Left	152	50	0.4	AG	Road Crossing
	Summit	ATWS-3285	44.4	44.4	Left	195	25	0.2	OL	Topsoil Segregation
	Summit	ATWS-1364	44.4	44.5	Right	239	25	0.1	AG,OL,RE	Topsoil Segregation
	Summit	ATWS-2549	44.4	44.5	Left	100	50	0.1	AG,OL	Existing Pipeline Crossing
	Summit	ATWS-2550	44.5	44.5	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Summit	ATWS-1366	44.5	44.6	Left	753	25	0.4	AG	Topsoil Segregation
	Summit	ATWS-113	44.6	44.7	Left	171	75	0.3	AG	Bend Installation and Existing Pipeline Crossing
	Summit	ATWS-3286	44.7	44.7	Left	75	25	0.0	AG,FW	Existing Pipeline Crossing
	Summit	ATWS-3178	44.7	44.8	Left	114	25	0.1	FW	Bend Installation
	Summit	ATWS-3177	44.7	44.8	Right	213	25	0.1	AG,FW	Topsoil Segregation
	Summit	ATWS-3179	44.8	44.8	Left	79	50	0.1	AG,FW	Bend Installation and Existing Pipeline Crossing
	Summit	ATWS-3176	44.8	44.8	Right	119	50	0.1	AG	Topsoil Segregation and Existing Pipeline Crossing
	Summit	ATWS-1367	44.8	44.9	Right	319	25	0.2	AG,FW,OL	Topsoil Segregation
	Summit	ATWS-114	44.8	44.8	Left	118	25	0.1	AG,FW	Existing Pipeline Crossing
	Summit	ATWS-3287	44.8	44.9	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Summit	ATWS-1989	44.9	44.9	Right	94	25	0.1	AG,OL	Topsoil Segregation
	Summit	ATWS-115	44.9	44.9	Right	238	75	0.4	AG,ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-3220	45.0	45.1	Right	440	50	0.5	FW,RE	Wetland and Existing Pipeline Crossing
	Summit	ATWS-116	45.2	45.3	Right	207	75	0.4	FW,RE	Bend Installation and Wetland and Existing Pipeline Crossing
	Summit	ATWS-1986	45.3	45.4	Left	189	25	0.1	OL	Bend Installation and Wetland and Existing Pipeline Crossing
	Summit	ATWS-2479	45.4	45.4	Left	52	75	0.1	OL	Wetland and Existing Pipeline Crossing
	Summit	ATWS-1985	45.4	45.5	Left	281	75	0.5	ID,OL	Road, Wetland and Existing Pipeline Crossing
	Summit	ATWS-3288	45.4	45.5	Right	247	25	0.1	OL	Road, Wetland and Existing Pipeline Crossing
	Summit	ATWS-3182	45.5	45.5	Left	136	50	0.2	ID,OL,RE	Road Crossing
	Summit	ATWS-3289	45.5	45.5	Right	255	25	0.1	ID,OL	Bend Installation and Road Crossing
	Summit	ATWS-3181	45.5	45.5	Left	100	25	0.1	OL	Existing Pipeline Crossing
	Summit	ATWS-746	45.5	45.6	Left	252	25	0.1	FW,OL	Bend Installation
	Summit	ATWS-579	45.7	45.8	Left	294	25	0.2	FW	Bend Installation
	Summit	ATWS-1410	45.8	45.9	Left	676	75	1.2	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Summit	ATWS-4030	45.9	46.0	Left	106	50	0.1	FW	Waterbody and Wetland Crossing
	Summit	ATWS-118	46.1	46.2	Right	120	75	0.2	ID,FW,OL	Road Crossing
	Summit	ATWS-120	46.2	46.2	Left	245	25	0.1	OL,RE	Bend Installation
	Summit	ATWS-4236	46.2	46.2	Right	83	89	0.2	OL	Waterbody Crossing
	Summit	ATWS-1984	46.3	46.3	Right	241	50	0.3	OL,RE	Bend Installation
	Summit	ATWS-580	46.3	46.4	Left	464	50	0.5	FW,OL,RE	Bend Installation and Waterbody Crossing
	Summit	ATWS-2194	46.6	46.6	Right	428	25	0.2	AG,FW	Topsoil Segregation
	Summit	ATWS-1370	46.7	46.7	Right	265	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-747	46.7	46.8	Right	261	75	0.4	AG,OL	Waterbody, Wetland and Existing Pipeline Crossing and Topsoil Segregation
	Summit	ATWS-4402	46.7	46.8	Left	200	90	0.2	OL,RE	Waterbody, Wetland and Driveway Crossing
	Summit	ATWS-3183	46.8	46.8	Right	98	75	0.2	AG,ID,OL,RE	Road, Waterbody, Wetland and Existing Pipeline Crossing
	Summit	ATWS-121	46.8	46.8	Right	132	75	0.2	ID,FW,OL	Road and Waterbody Crossing
	Summit	ATWS-1369	46.9	46.9	Right	353	25	0.2	AG,OL	Topsoil Segregation
	Summit	ATWS-4031	47.0	47.0	Right	150	50	0.2	FW	Waterbody Crossing
	Summit	ATWS-1411	47.2	47.3	Right	444	25	0.3	AG,FW,OL	Topsoil Segregation
	Summit	ATWS-607	47.3	47.3	Right	314	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Summit	ATWS-1371	47.3	47.6	Right	1595	25	0.9	AG,FW,OL	Topsoil Segregation
	Summit	ATWS-2503	47.6	47.7	Right	82	25	0.0	AG	Topsoil Segregation
	Summit	ATWS-4386	47.7	47.8	Right	580	510	7.0	AG,FW	HDD Entry Location and Spread Move-Around Location
	Summit	ATWS-4387	47.7	47.8	Left	478	75	0.5	AG	HDD Entry Location and Spread Move-Around Location
	Summit	ATWS-4032	48.4	48.4	Right	350	100	0.8	AG,OL,RE	HDD Exit Location
	Summit	ATWS-3323	48.4	48.5	Right	354	50	0.4	AG,OL,RE	Bend Installation and Topsoil Segregation
	Summit	ATWS-1373	48.5	48.7	Right	1261	25	0.7	AG,OL,RE	Topsoil Segregation
	Summit	ATWS-581	48.6	48.7	Left	193	25	0.1	AG	Bend Installation
	Summit	ATWS-909	48.6	48.8	Right	743	100	1.8	AG	HDD Pull Back String
	Summit	ATWS-124	48.7	48.8	Right	229	75	0.4	AG	Road Crossing
	Summit	ATWS-3327	48.7	48.8	Left	477	25	0.3	ID,OL	Road Crossing
	Summit	ATWS-3326	48.8	48.9	Left	380	25	0.2	ID,OL,RE	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-3328	48.8	48.8	Right	148	25	0.1	ID,OL,RE	Road Crossing
	Summit	ATWS-125	48.8	48.9	Right	181	75	0.3	OL,RE	Road and Waterbody Crossing
	Summit	ATWS-4378	48.9	48.9	Right	27	25	0.0	OL,OW	Access To Hydrostatic Test Water
	Summit	ATWS-2504	48.9	49.0	Right	333	50	0.4	AG,OL	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Summit	ATWS-3329	48.9	49.0	Left	433	25	0.2	AG,OL	Bend Installation and Existing Pipeline Crossing
	Summit	ATWS-3325	49.0	49.0	Right	272	25	0.2	AG	Topsoil Segregation
	Summit	ATWS-3330	49.0	49.0	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Summit	ATWS-2505	49.0	49.1	Right	483	25	0.3	AG	Topsoil Segregation
	Summit	ATWS-3184	49.1	49.1	Left	309	25	0.2	AG	Bend Installation
	Summit	ATWS-2847	49.1	49.2	Right	385	25	0.2	AG,FW	Topsoil Segregation
	Summit	ATWS-4033	49.2	49.2	Right	150	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation
	Summit	ATWS-4034	49.2	49.2	Left	93	50	0.1	AG,FW	Waterbody Crossing
	Summit	ATWS-3233	49.3	49.3	Left	98	75	0.2	OL	Long Bore Pull Back String
	Summit	ATWS-3232	49.3	49.3	Right	304	50	0.3	FW,OL,RE	Bend Installation
	Summit	ATWS-4237	49.3	49.4	Right	151	25	0.1	FW,OL,RE	Road and Wetland Crossing
	Summit	ATWS-2516	49.5	49.5	Right	164	50	0.2	FW,OL,RE	Road Crossing (Long Bore)
	Summit	ATWS-2517	49.5	49.5	Right	238	25	0.1	FW	Bend Installation
	Summit	ATWS-3185	49.7	49.7	Left	277	25	0.2	FW,OL	Bend Installation
	Summit	ATWS-127	49.8	49.9	Right	176	50	0.2	ID,FW	Road Crossing
	Summit	ATWS-128	49.9	49.9	Right	158	50	0.2	FW	Road and Waterbody Crossing
	Summit	ATWS-3331	50.0	50.0	Left	82	25	0.0	OL	Existing Pipeline Crossing
	Summit	ATWS-3332	50.0	50.0	Left	75	25	0.0	OL	Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Summit	ATWS-3334	50.2	50.2	Right	184	50	0.2	RE	Bend Installation and Topsoil Segregation
	Summit	ATWS-3186	50.2	50.3	Right	153	25	0.1	FW,RE	Bend Installation
	Summit	ATWS-3187	50.3	50.3	Left	245	25	0.1	RE	Bend Installation
	Wayne/Summit	ATWS-129	50.4	50.4	Right	125	75	0.2	RE	Road Crossing
	Wayne/Summit	ATWS-3083	50.4	50.4	Left	123	50	0.1	RE	Road Crossing
	Wayne	ATWS-130	50.4	50.5	Right	150	75	0.6	AG,ID	Road and Waterbody Crossing
	Wayne	ATWS-2942	50.4	50.4	Left	246	50	0.3	AG,ID	Road and Waterbody Crossing
	Wayne	ATWS-3335	50.5	50.5	Left	100	50	0.1	AG,OL	Waterbody Crossing
	Wayne	ATWS-3336	50.5	50.5	Right	100	50	0.1	AG,OL	Waterbody Crossing
	Wayne	ATWS-3338	50.5	50.6	Right	540	25	0.3	AG	Topsoil Segregation
	Wayne	ATWS-3337	50.6	50.7	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wayne	ATWS-4351	50.6	50.6	Left	200	25	0.1	AG	Bend Installation
	Wayne	ATWS-1979	50.7	51.0	Right	1761	25	1.0	AG,OL	Topsoil Segregation
	Wayne	ATWS-168	51.0	51.1	Right	335	125	1.0	AG	Road Crossing
	Wayne	ATWS-169	51.1	51.2	Right	358	125	1.0	FW,OL	Road Crossing
	Wayne	ATWS-1375	51.2	51.3	Right	600	25	0.3	AG	Topsoil Segregation
	Wayne	ATWS-1978	51.3	51.4	Left	711	25	0.4	AG	Bend Installation
	Wayne	ATWS-583	51.3	51.4	Right	208	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wayne	ATWS-694	51.4	51.4	Left	109	75	0.2	AG,ID,RE	Road and Waterbody Crossing
	Wayne	ATWS-3339	51.4	51.5	Right	191	25	0.1	OL	Road and Waterbody Crossing and Topsoil Segregation
	Wayne	ATWS-170	51.4	51.5	Left	123	75	0.2	FW	Road and Waterbody Crossing
	Wayne	ATWS-3340	51.5	51.6	Right	197	25	0.1	OL	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wayne	ATWS-749	51.6	51.6	Left	185	25	0.1	FW	Bend Installation
	Wayne	ATWS-3225	51.7	51.8	Left	180	25	0.1	AG,AG	Topsoil Segregation
	Wayne	ATWS-3223	51.8	51.8	Left	100	50	0.1	AG,AG	Existing Pipeline Crossing
	Wayne	ATWS-3224	51.8	51.8	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Wayne	ATWS-1377	51.8	52.0	Left	945	25	0.5	AG	Topsoil Segregation
	Wayne	ATWS-131	52.0	52.0	Right	185	75	0.3	AG,ID	Bend Installation and Road Crossing
	Wayne	ATWS-750	52.0	52.0	Left	118	50	0.1	AG,ID	Road Crossing
	Wayne	ATWS-584	52.0	52.1	Left	481	50	0.6	AG,ID	Bend Installation and Road Crossing
	Wayne	ATWS-132	52.0	52.1	Right	151	75	0.3	AG,ID,RE	Road Crossing
	Wayne	ATWS-1378	52.1	52.2	Right	587	25	0.3	AG	Topsoil Segregation
	Wayne	ATWS-1416	52.2	52.2	Right	152	75	0.3	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Wayne	ATWS-1379	52.3	52.4	Right	751	25	0.4	AG,FW	Topsoil Segregation
	Wayne	ATWS-4035	52.4	52.4	Left	90	25	0.0	AG	Existing Pipeline Crossing
	Wayne	ATWS-1977	52.4	52.5	Right	299	25	0.2	AG	Topsoil Segregation
	Wayne	ATWS-585	52.5	52.6	Right	524	75	0.9	AG,FW	Waterbody and Wetland Crossing
	Wayne	ATWS-3753	52.6	52.6	Left	150	25	0.1	OL	Bend Installation and Wetland Crossing
	Wayne	ATWS-2513	52.7	52.7	Left	344	75	0.6	AG,OL	Waterbody and Wetland Crossing
	Wayne	ATWS-2512	52.7	52.7	Right	226	75	0.4	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Wayne	ATWS-2600	52.8	52.9	Left	156	50	0.2	ID,FW	Road Crossing
	Wayne	ATWS-2599	52.8	52.9	Right	92	50	0.1	ID,FW	Road, Waterbody and Wetland Crossing
	Wayne	ATWS-3343	52.9	52.9	Left	147	50	0.2	OL,RE	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wayne	ATWS-2841	52.9	52.9	Right	129	50	0.1	FW	Road Crossing
	Wayne	ATWS-2844	53.0	53.0	Left	167	50	0.2	ID,FW,OL	Road Crossing
	Wayne	ATWS-2842	53.0	53.0	Right	96	50	0.1	FW	Road Crossing
	Wayne	ATWS-2843	53.0	53.1	Right	159	50	0.2	ID,FW,OL	Road Crossing
	Wayne	ATWS-3754	53.0	53.1	Left	155	50	0.2	ID,FW,RE	Road Crossing
	Wayne	ATWS-3188	53.1	53.2	Left	549	25	0.3	OL	Bend Installation and Driveway Crossing
	Wayne	ATWS-2929	53.3	53.4	Right	343	25	0.2	FW,OL	Bend Installation
	Wayne	ATWS-3755	53.4	53.5	Left	300	25	0.2	ID,OL	Bend Installation
	Wayne	ATWS-2930	53.5	53.5	Right	187	50	0.2	ID,FW,OL	Road Crossing
	Wayne	ATWS-2515	53.5	53.5	Left	189	50	0.2	ID,FW,OL	Road Crossing
	Wayne	ATWS-2159	53.5	53.6	Left	453	50	0.5	ID,FW,OL	Bend Installation and Road Crossing
	Wayne	ATWS-3440	53.5	53.6	Right	218	75	0.4	ID,OL	Bend Installation and Road Crossing
	Wayne	ATWS-2514	53.6	53.7	Right	514	50	0.6	ID,FW,OL	Bend Installation and Road Crossing
	Wayne	ATWS-3441	53.6	53.7	Left	258	50	0.3	ID,FW,OL	Bend Installation and Road Crossing
	Wayne	ATWS-3756	53.7	53.7	Left	212	25	0.1	FW,OL	Bend Installation
	Wayne	ATWS-3227	53.8	53.9	Right	307	25	0.2	FW	Bend Installation
	Wayne	ATWS-2023	54.0	54.0	Left	291	75	0.5	FW	Road Crossing (Long Bore)
	Wayne	ATWS-2055	54.0	54.0	Right	291	75	0.5	FW	Road Crossing (Long Bore)
	Wayne	ATWS-3438	54.1	54.2	Left	588	75	1.0	OL,RE	Road Crossing
	Wayne	ATWS-166	54.1	54.2	Right	374	75	0.6	OL,RE	Road Crossing
	Wayne	ATWS-753	54.2	54.5	Right	1490	25	0.9	OL,RE	Topsoil Segregation
	Wayne	ATWS-3439	54.3	54.4	Left	300	25	0.2	RE	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wayne	ATWS-4399	54.5	54.5	Right	330	75	0.4	OL,RE	Driveway Crossing
	Wayne	ATWS-4400	54.5	54.6	Left	540	50	0.6	OL,RE	Driveway Crossing
	Wayne	ATWS-4398	54.5	54.6	Right	290	75	0.4	AG,RE	Driveway Crossing
	Wayne	ATWS-3347	54.6	54.6	Right	250	25	0.1	AG	Topsoil Segregation
	Wayne	ATWS-2944	54.6	54.6	Left	335	50	0.3	AG,ID,OL,RE	Bend Installation and Road and Driveway Crossing
	Wayne	ATWS-139	54.6	54.6	Right	193	75	0.3	AG,OL	Road Crossing
	Wayne	ATWS-2943	54.6	54.7	Left	128	50	0.1	AG,ID	Road Crossing
	Wayne	ATWS-140	54.6	54.7	Right	126	75	0.2	AG,OL	Road Crossing
	Wayne	ATWS-1420	54.7	54.8	Right	877	25	0.5	AG	Topsoil Segregation
	Wayne	ATWS-3348	54.7	54.7	Left	125	25	0.1	AG	Existing Pipeline Crossing
	Wayne	ATWS-1421	54.8	54.9	Right	232	75	0.4	AG,FW,OL	Waterbody Crossing and Topsoil Segregation
	Wayne	ATWS-4238	54.9	54.9	Left	100	50	0.1	AG	Waterbody Crossing
	Wayne	ATWS-4239	54.9	54.9	Right	100	75	0.2	FW,OL	Waterbody Crossing and Topsoil Segregation
	Wayne	ATWS-1382	54.9	55.2	Right	1606	25	0.9	OL	Topsoil Segregation
	Wayne	ATWS-3349	55.2	55.2	Left	75	25	0.0	OL	Existing Pipeline Crossing
	Wayne	ATWS-3350	55.2	55.2	Left	75	25	0.0	OL	Existing Pipeline Crossing
	Wayne	ATWS-141	55.2	55.3	Right	138	75	0.2	OL	Waterbody and Wetland Crossing
	Wayne	ATWS-2945	55.2	55.3	Left	193	50	0.2	OL	Waterbody and Wetland Crossing
	Wayne	ATWS-608	55.3	55.3	Right	140	75	0.2	AG,OL	Waterbody and Wetland Crossing
	Wayne	ATWS-2946	55.3	55.3	Left	131	50	0.2	AG	Waterbody and Wetland Crossing
	Wayne	ATWS-1348	55.3	55.4	Right	430	25	0.2	AG	Topsoil Segregation
	Wayne	ATWS-2022	55.5	55.6	Right	527	25	0.3	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wayne	ATWS-3351	55.6	55.6	Right	128	25	0.1	AG,FW	Topsoil Segregation
	Wayne	ATWS-4240	55.6	55.6	Left	268	25	0.2	AG	Bend Installation
	Wayne	ATWS-2948	55.6	55.7	Right	266	25	0.2	AG,ID,FW,RE	Road Crossing
	Wayne	ATWS-2947	55.6	55.7	Left	199	75	0.3	AG,RE	Road Crossing
	Wayne	ATWS-2949	55.7	55.8	Left	230	75	0.4	AG,OL	Road and Wetland Crossing
	Wayne	ATWS-1423	55.7	55.9	Right	738	50	0.8	AG,OL	Bend Installation and Road and Wetland Crossing
	Wayne	ATWS-4036	55.8	55.8	Left	100	25	0.1	AG	Bend Installation
	Wayne	ATWS-1349	55.9	56.1	Right	1314	25	0.8	AG	Topsoil Segregation
	Wayne	ATWS-3189	56.1	56.1	Left	314	25	0.2	AG	Bend Installation
	Wayne	ATWS-1422	56.1	56.3	Right	886	25	0.5	AG	Topsoil Segregation
	Wayne	ATWS-3353	56.3	56.3	Right	157	50	0.2	AG,FW	Bend Installation and Topsoil Segregation
	Wayne	ATWS-4037	56.3	56.3	Left	200	25	0.1	AG,FW	Bend Installation
	Wayne	ATWS-3352	56.3	56.3	Right	153	25	0.1	FW	Bend Installation
	Wayne	ATWS-3354	56.4	56.5	Left	698	25	0.4	AG,FW,RE	Bend Installation and Topsoil Segregation
	Wayne	ATWS-142	56.5	56.6	Right	274	75	0.5	OL,RE	Road Crossing
	Wayne	ATWS-3231	56.5	56.6	Left	188	50	0.2	OL,RE	Road Crossing
	Medina	ATWS-143	56.6	56.6	Right	252	75	0.4	AG,ID	Road Crossing
	Medina	ATWS-3230	56.6	56.6	Left	176	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-4416	56.6	56.7	Right	439	25	0.3	AG	Topsoil Segregation
	Medina	ATWS-144	56.7	56.8	Right	352	100	0.8	AG,FW,OL	Rail, Road, Waterbody and Existing Pipeline Crossing
	Medina	ATWS-754	56.7	56.8	Left	285	75	0.5	AG	Rail, Road, Waterbody and Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-755	56.8	56.9	Left	418	75	0.7	AG,ID	Bend Installation and Rail, Road, Waterbody and Existing Pipeline Crossing
	Medina	ATWS-145	56.8	56.9	Right	560	75	1.0	AG,ID	Bend Installation and Rail, Road, Waterbody and Existing Pipeline Crossing
	Medina	ATWS-1425	56.9	57.1	Right	1259	25	0.7	AG	Topsoil Segregation
	Medina	ATWS-3355	57.0	57.1	Left	372	25	0.2	AG,OL	Bend Installation
	Medina	ATWS-2261	57.1	57.2	Left	670	75	1.2	AG	Bend Installation and Road and Wetland Crossing
	Medina	ATWS-146	57.1	57.2	Right	153	75	0.3	AG	Road and Wetland Crossing
	Medina	ATWS-4038	57.2	57.2	Right	30	75	0.1	AG,OL	Road and Wetland Crossing
	Medina	ATWS-271	57.2	57.3	Right	600	100	1.4	AG,ID,OL	Road, Wetland and Existing Pipeline Crossing
	Medina	ATWS-2237	57.2	57.3	Left	115	61	0.2	OL	Bend Installation and Road, Wetland and Existing Pipeline Crossing
	Wayne	ATWS-3356	57.4	57.4	Left	275	90	0.6	AG,FW,OL	Bore Pull Back String
	Wayne	ATWS-586	57.4	57.5	Left	491	25	0.3	AG	Topsoilsegregation
	Wayne	ATWS-1426	57.5	57.6	Right	593	25	0.3	AG	Topsoilsegregation
	Wayne	ATWS-2536	57.6	57.6	Right	175	75	0.3	AG,OL	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Wayne	ATWS-2537	57.6	57.6	Left	216	50	0.2	AG,OL	Bend Installation and Waterbody Crossing
	Wayne	ATWS-2306	57.6	57.7	Right	185	75	0.3	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Wayne	ATWS-2305	57.7	57.7	Left	222	50	0.3	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Medina	ATWS-2304	57.7	57.7	Left	169	50	0.2	AG	Road, Waterbody and Existing Pipeline Crossing
	Medina	ATWS-649	57.7	57.7	Right	161	75	0.3	AG	Road, Waterbody and Existing Pipeline Crossing
	Medina	ATWS-1351	57.7	58.0	Right	1450	25	0.8	AG,OL	Topsoilsegregation
	Medina	ATWS-2307	57.9	58.0	Left	278	45	0.3	AG,ID,OL	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-2308	58.0	58.0	Right	150	75	0.3	ID,OL,RE	Road Crossing
	Medina	ATWS-2309	58.0	58.0	Right	148	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-2310	58.0	58.2	Right	370	75	0.6	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4040	58.1	58.1	Left	275	25	0.2	AG	Bend Installation
	Medina	ATWS-614	58.2	58.2	Right	454	25	0.3	AG	Topsoil Segregation
	Medina	ATWS-2057	58.3	58.3	Right	192	75	0.3	AG,ID	Road and Wetland Crossing
	Medina	ATWS-2056	58.3	58.3	Left	145	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-3357	58.3	58.4	Left	213	100	0.5	ID,FW	Road and Wetland Crossing
	Medina	ATWS-756	58.4	58.5	Right	405	75	0.7	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-1350	58.5	58.7	Right	1019	25	0.6	AG	Topsoil Segregation
	Medina	ATWS-3257	58.7	58.8	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4041	58.8	58.9	Right	724	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-3260	58.8	58.9	Left	301	25	0.2	AG	Bend Installation
	Medina	ATWS-4241	59.0	59.0	Right	425	75	0.7	AG	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-3259	59.0	59.2	Right	625	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-757	59.1	59.1	Left	369	25	0.2	AG	Bend Installation
	Medina	ATWS-1427	59.3	59.3	Right	167	25	0.1	FW,OL	Topsoil Segregation
	Medina	ATWS-3261	59.3	59.4	Left	199	25	0.1	OL,RE	Bend Installation
	Medina	ATWS-587	59.4	59.4	Right	445	75	0.8	ID,OL	Bend Installation and Road Crossing
	Medina	ATWS-758	59.4	59.4	Left	173	50	0.2	ID,OL,RE	Bend Installation and Road Crossing
	Medina	ATWS-1428	59.4	59.5	Left	147	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-588	59.4	59.5	Right	142	75	0.2	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-1429	59.5	59.6	Right	861	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-3262	59.5	59.6	Left	300	25	0.2	AG	Bend Installation
	Medina	ATWS-3084	59.6	59.7	Right	203	50	0.2	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4045	59.6	59.7	Left	170	25	0.1	AG,OL	Bend Installation
	Medina	ATWS-1430	59.8	59.8	Right	383	75	0.7	FW,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-1431	59.9	60.1	Right	1227	25	0.7	AG,FW,OL	Topsoil Segregation
	Medina	ATWS-3085	60.1	60.1	Left	245	50	0.3	AG,FW	Bend Installation and Topsoil Segregation
	Medina	ATWS-616	60.1	60.2	Right	306	50	0.4	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4046	60.1	60.2	Left	254	25	0.1	AG	Bend Installation
	Medina	ATWS-3360	60.2	60.2	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-3361	60.2	60.2	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-3087	60.2	60.3	Left	138	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-1432	60.2	60.3	Right	138	75	0.2	AG,ID	Road Crossing
	Medina	ATWS-150	60.3	60.3	Right	123	75	0.2	AG,ID,RE	Road Crossing
	Medina	ATWS-3086	60.3	60.3	Left	119	50	0.1	AG	Road Crossing
	Medina	ATWS-1352	60.3	60.7	Right	2121	25	1.2	AG	Topsoil Segregation
	Medina	ATWS-4243	60.7	60.7	Left	100	50	0.1	AG,FW	Waterbody and Wetland Crossing
	Medina	ATWS-3263	60.7	60.7	Right	100	50	0.1	AG,FW,OL	Waterbody and Wetland Crossing
	Medina	ATWS-3363	60.8	60.8	Right	171	50	0.2	FW,OL	Waterbody and Existing Pipeline Crossing
	Medina	ATWS-3362	60.8	60.8	Left	189	50	0.2	FW	Bend Installation and Existing Pipeline Crossing
	Medina	ATWS-4043	60.9	60.9	Left	160	50	0.2	AG	Waterbody Crossing
	Medina	ATWS-1433	60.9	60.9	Right	135	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-1434	60.9	61.1	Right	913	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-151	61.1	61.2	Right	353	50	0.4	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4044	61.1	61.2	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-1435	61.2	61.3	Right	534	25	0.3	AG	Topsoil Segregation
	Medina	ATWS-3089	61.3	61.3	Left	185	50	0.2	AG	Road Crossing
	Medina	ATWS-152	61.3	61.4	Right	342	75	0.6	AG,ID	Road Crossing
	Medina	ATWS-3088	61.3	61.4	Left	479	50	0.5	AG,ID	Road Crossing
	Medina	ATWS-274	61.4	61.4	Right	155	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-153	61.4	61.4	Right	212	142	0.7	AG,ID	Road Crossing and Access
	Medina	ATWS-3090	61.4	61.5	Left	146	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-3364	61.4	61.5	Right	124	75	0.2	AG	Road Crossing
	Medina	ATWS-2075	61.5	61.5	Right	156	25	0.1	AG	Topsoil Segregation
	Medina	ATWS-1353	61.5	61.8	Right	1293	25	0.7	AG,OL	Topsoil Segregation
	Medina	ATWS-2195	61.8	61.8	Right	150	75	0.3	AG	Waterbody and Wetland Crossing
	Medina	ATWS-2439	61.8	61.9	Left	135	50	0.2	AG	Waterbody and Wetland Crossing
	Medina	ATWS-2440	61.8	61.9	Right	150	75	0.3	AG	Waterbody and Wetland Crossing
	Medina	ATWS-2441	61.9	61.9	Left	149	50	0.2	AG	Waterbody and Wetland Crossing
	Medina	ATWS-2422	61.9	62.0	Right	914	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-3365	62.0	62.0	Left	292	25	0.2	AG	Bend Installation
	Medina	ATWS-3366	62.0	62.1	Left	300	25	0.2	AG	Bend Installation
	Medina	ATWS-4244	62.1	62.1	Right	157	25	0.1	AG	Topsoil Segregation
	Medina	ATWS-4242	62.1	62.2	Right	357	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-3091	62.2	62.3	Right	301	50	0.3	AG,FW	Bend Installation and Topsoil Segregation
	Medina	ATWS-4047	62.2	62.2	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-1438	62.3	62.6	Right	1853	25	1.1	AG,OL	Topsoil Segregation
	Medina	ATWS-3092	62.3	62.4	Left	300	25	0.2	AG	Bend Installation
	Medina	ATWS-154	62.6	62.6	Right	129	75	0.2	ID,OL	Road Crossing
	Medina	ATWS-2950	62.6	62.6	Left	131	50	0.2	ID,OL	Road Crossing
	Medina	ATWS-2423	62.6	62.7	Left	183	50	0.2	ID,OL,RE	Road and Wetland Crossing
	Medina	ATWS-155	62.6	62.7	Right	182	100	0.4	ID,OL	Road and Wetland Crossing
	Medina	ATWS-2951	63.0	63.2	Left	1182	75	2.0	AG,FW	Bend Installation and Road and Wetland Crossing
	Medina	ATWS-759	63.0	63.1	Right	413	50	0.5	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-156	63.1	63.2	Right	472	100	1.1	AG	Road Crossing
	Medina	ATWS-157	63.2	63.3	Right	421	75	0.7	AG,FW	Road Crossing
	Medina	ATWS-2952	63.2	63.3	Left	424	50	0.5	AG,FW,OL	Road Crossing
	Medina	ATWS-3370	63.6	63.7	Right	692	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-3369	63.7	63.8	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4048	63.7	63.8	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-4245	63.8	63.9	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-2020	63.8	64.2	Right	1847	25	1.1	AG	Topsoil Segregation
	Medina	ATWS-171	64.1	64.2	Left	578	25	0.3	AG	Bend Installation
	Medina	ATWS-2953	64.2	64.2	Left	180	50	0.2	AG	Road Crossing
	Medina	ATWS-275	64.2	64.2	Right	252	75	0.4	AG,OL	Road Crossing
	Medina	ATWS-2954	64.2	64.3	Left	228	50	0.3	AG	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-276	64.2	64.3	Right	171	75	0.3	AG	Road Crossing
	Medina	ATWS-1443	64.3	64.4	Right	574	25	0.3	AG	Topsoil Segregation
	Medina	ATWS-159	64.4	64.4	Right	229	75	0.4	AG,ID	Bend Installation and Road Crossing
	Medina	ATWS-2956	64.4	64.4	Left	153	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-158	64.4	64.5	Right	179	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-2955	64.4	64.5	Left	158	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-1444	64.5	64.5	Right	297	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-590	64.5	64.6	Right	167	75	0.3	AG	Wetland Crossing
	Medina	ATWS-760	64.6	64.6	Right	125	75	0.2	AG	Wetland Crossing
	Medina	ATWS-4397	64.6	64.6	Right	70	25	0.0	AG	Topsoil Segregation
	Medina	ATWS-2155	64.7	64.8	Right	989	25	0.6	AG	Topsoil Segregation
	Medina	ATWS-277	65.0	65.1	Left	528	25	0.3	AG,FW	Bend Installation
	Medina	ATWS-1354	65.0	65.1	Right	695	25	0.4	AG,FW	Topsoil Segregation
	Medina	ATWS-3190	65.1	65.2	Right	433	25	0.2	AG,FW	Topsoil Segregation
	Medina	ATWS-696	65.3	65.3	Right	85	50	0.1	FW	Waterbody Crossing
	Medina	ATWS-695	65.3	65.3	Right	83	50	0.1	FW	Waterbody Crossing
	Medina	ATWS-4246	65.4	65.4	Left	100	50	0.1	FW,OL	Waterbody Crossing
	Medina	ATWS-1356	65.4	65.8	Right	2199	25	1.3	AG,OL	Topsoil Segregation
	Medina	ATWS-278	65.8	65.8	Left	126	50	0.1	ID,FW	Road Crossing
	Medina	ATWS-3093	65.8	65.8	Right	226	75	0.4	AG,ID,FW	Road Crossing
	Medina	ATWS-279	65.8	65.8	Left	120	50	0.1	AG,ID,RE	Road Crossing
	Medina	ATWS-1974	65.8	65.9	Right	87	50	0.1	AG,ID,RE	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-2193	65.8	65.9	Left	361	275	2.3	AG,FW,RE	Spoil Storage for Deep Bore Excavation of Ih-71
	Medina	ATWS-160	65.9	66.0	Right	262	90	0.5	OL,RE	Road, Waterbody, Wetland and Existing Pipeline Crossing
	Medina	ATWS-2019	65.9	66.0	Left	132	150	0.4	OL	Road, Waterbody, Wetland and Existing Pipeline Crossing
	Medina	ATWS-161	66.0	66.1	Right	436	100	1.0	AG	Road, Waterbody, Wetland and Existing Pipeline Crossing
	Medina	ATWS-2957	66.0	66.1	Left	300	75	0.5	AG	Road, Waterbody, Wetland and Existing Pipeline Crossing
	Medina	ATWS-654	66.1	66.2	Right	283	75	0.5	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-1446	66.3	66.6	Right	1824	25	1.0	AG	Topsoil Segregation
	Medina	ATWS-3384	66.6	66.6	Left	155	25	0.1	AG	Bend Installation
	Medina	ATWS-2959	66.6	66.7	Left	163	50	0.2	AG,ID	Road and Existing Pipeline Crossing
	Medina	ATWS-162	66.6	66.7	Right	159	75	0.3	AG	Road and Existing Pipeline Crossing
	Medina	ATWS-2958	66.7	66.7	Left	188	50	0.2	AG	Road Crossing
	Medina	ATWS-163	66.7	66.7	Right	164	75	0.3	AG	Road Crossing
	Medina	ATWS-1357	66.7	67.1	Right	1937	25	1.1	AG	Topsoil Segregation
	Medina	ATWS-164	67.1	67.1	Left	130	50	0.1	AG,ID	Road Crossing
	Medina	ATWS-2867	67.1	67.1	Right	132	75	0.2	AG,ID	Road Crossing
	Medina	ATWS-2868	67.1	67.1	Right	126	75	0.2	ID,OL,RE	Road and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-165	67.1	67.1	Left	125	50	0.1	OL	Road and Wetland Crossing
	Medina	ATWS-3383	67.1	67.2	Right	208	50	0.2	OL,RE	Road Crossing and Access
	Medina	ATWS-2163	67.2	67.2	Right	123	75	0.2	AG,OL,RE	Driveway Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-1447	67.2	67.3	Right	541	25	0.3	AG,OL,RE	Topsoil Segregation
	Medina	ATWS-1448	67.3	67.4	Right	234	50	0.3	AG,FW,RE	Bend Installation and Topsoil Segregation
	Medina	ATWS-4049	67.3	67.4	Left	174	25	0.1	AG,FW	Bend Installation
	Medina	ATWS-280	67.5	67.5	Left	403	125	1.2	AG,FW	Bend Installation and Topsoil Segregation and Wetland Crossing Drag Section
	Medina	ATWS-2366	67.5	67.5	Right	149	25	0.1	AG,FW	Bend Installation
	Medina	ATWS-4247	67.6	67.7	Left	193	100	0.4	FW,OL	Waterbody and Wetland Crossing and Steep Terrain Construction
	Medina	ATWS-4248	67.7	67.8	Left	260	100	0.6	FW	Waterbody and Wetland Crossing and Steep Terrain Construction
	Medina	ATWS-4249	67.8	67.8	Left	240	50	0.3	FW	Waterbody and Wetland Crossing and Steep Terrain Construction
	Medina	ATWS-172	67.9	67.9	Left	157	25	0.1	FW,OL	Bend Installation
	Medina	ATWS-2018	68.0	68.0	Right	380	25	0.2	OL,RE	Topsoil Segregation
	Medina	ATWS-3094	68.0	68.1	Right	188	50	0.2	OL,RE	Bend Installation and Topsoil Segregation and Steep Terrain Construction
	Medina	ATWS-1450	68.2	68.3	Right	550	75	0.9	AG,ID,FW	Road, Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-803	68.2	68.3	Left	195	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-2284	68.4	68.4	Left	109	100	0.2	AG	Road Crossing (Long Bore)
	Medina	ATWS-173	68.4	68.4	Right	315	75	0.5	AG,OL,RE	Road Crossing (Long Bore) and Topsoil Segregation and Waterbody Crossing
	Medina	ATWS-1358	68.5	68.6	Right	248	75	0.4	AG,FW	Waterbody Crossing and Topsoil Segregation
	Medina	ATWS-4259	68.7	68.7	Left	301	100	0.7	FW,OL	Waterbody Crossing and Topsoil Segregation
	Medina	ATWS-2368	68.7	68.7	Right	121	75	0.2	FW,OL	Waterbody Crossing and Topsoil Segregation
	Medina	ATWS-4050	68.8	68.8	Left	135	50	0.2	ID,FW	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-4052	68.8	68.8	Left	109	75	0.2	FW	Chippewa Rail Trail and Waterbody Crossing
	Medina	ATWS-4054	68.8	68.8	Right	179	50	0.2	FW	Chippewa Rail Trail and Waterbody Crossing
	Medina	ATWS-4051	68.8	68.9	Left	141	75	0.2	FW,OL,RE	Chippewa Rail Trail Crossing
	Medina	ATWS-4053	68.8	68.9	Right	245	50	0.3	AG,FW,OL	Chippewa Rail Trail Crossing
	Medina	ATWS-761	68.9	69.0	Right	619	75	1.1	AG,RE	Road Crossing (Long Bore) and Topsoil Segregation
	Medina	ATWS-3388	68.9	69.0	Left	152	25	0.1	AG,RE	Bend Installation
	Medina	ATWS-175	69.0	69.0	Left	386	50	0.4	AG,RE	Bend Installation and Road Crossing
	Medina	ATWS-3371	69.1	69.1	Right	201	75	0.3	ID,OL	Road and Rail Crossing
	Medina	ATWS-281	69.1	69.1	Left	233	175	0.9	FW,OL	Rail and Wetland Crossing
	Medina	ATWS-3372	69.1	69.2	Left	197	60	0.3	OL	Rail Crossing Pull Back String
	Medina	ATWS-3374	69.2	69.3	Left	161	25	0.1	OL	Bend Installation
	Medina	ATWS-1451	69.4	69.4	Left	185	75	0.3	OL	Waterbody and Wetland Crossing
	Medina	ATWS-1452	69.4	69.7	Left	1193	75	2.1	OL	Waterbody and Wetland Crossing
	Medina	ATWS-176	69.7	69.8	Left	868	75	1.5	OL	Waterbody, Wetland and Existing Pipeline Crossing and Topsoil Segregation and Bend Installation
	Medina	ATWS-1455	70.0	70.2	Right	852	75	1.7	FW,OL	Wetland Crossing, Topsoil Segregation and Access
	Medina	ATWS-4055	70.0	70.1	Left	300	25	0.2	OL	Bend Installation
	Medina	ATWS-3376	70.2	70.2	Right	121	25	0.1	OL	Topsoil Segregation
	Medina	ATWS-1456	70.2	70.4	Right	747	75	1.3	AG	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-3380	70.5	70.5	Left	154	25	0.1	OL	Bend Installation and Existing Pipeline Crossing
	Medina	ATWS-3381	70.5	70.5	Left	49	25	0.0	OL	Bend Installation and Existing Pipeline Crossing
	Medina	ATWS-3379	70.6	70.6	Left	238	25	0.1	AG	Wetland and Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-3378	70.6	70.7	Left	75	25	0.0	AG	Wetland and Existing Pipeline Crossing
	Medina	ATWS-2845	70.7	70.8	Left	188	100	0.4	AG,OL	Chippewa Rail Trail, Waterbody, and Wetland Crossing
	Medina	ATWS-2373	70.7	70.8	Right	161	75	0.3	AG,OL	Chippewa Rail Trail, Waterbody, and Wetland Crossing
	Medina	ATWS-2846	70.8	70.8	Left	211	75	0.4	AG	Chippewa Rail Trail, Waterbody, and Wetland Crossing
	Medina	ATWS-2374	70.8	70.9	Right	434	75	0.7	AG,ID,OL	Chippewa Rail Trail, Road, Waterbody, and Wetland Crossing
	Medina	ATWS-3095	70.9	70.9	Left	197	50	0.2	AG,ID,OL	Road and Waterbody Crossing
	Medina	ATWS-2375	70.9	71.0	Right	218	75	0.4	AG	Road and Waterbody Crossing
	Medina	ATWS-3382	70.9	71.0	Left	112	50	0.2	AG	Road and Waterbody Crossing
	Medina	ATWS-3387	71.0	71.0	Left	152	25	0.1	AG	Bend Installation
	Medina	ATWS-1360	71.0	71.0	Right	356	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-3385	71.0	71.1	Right	379	125	1.1	AG	HDD Entry Location
	Medina	ATWS-4056	71.4	71.4	Right	350	125	1.0	AG	HDD Exit Location
	Medina	ATWS-3687	71.4	71.6	Right	949	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-3686	71.6	71.6	Right	111	75	0.2	AG	Waterbody and Wetland Crossing
	Medina	ATWS-3689	71.6	71.6	Left	100	50	0.1	AG	Waterbody and Wetland Crossing
	Medina	ATWS-3685	71.6	71.7	Right	100	75	0.2	AG	Waterbody and Wetland Crossing
	Medina	ATWS-3688	71.7	71.7	Left	306	50	0.4	AG	Waterbody and Wetland Crossing
	Medina	ATWS-1361	71.7	71.8	Right	744	25	0.4	AG,RE	Topsoil Segregation
	Medina	ATWS-3391	71.8	71.9	Right	217	50	0.2	AG,RE	Bend Installation and Topsoil Segregation
	Medina	ATWS-4057	71.8	71.9	Left	194	25	0.1	AG,RE	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-178	71.9	71.9	Left	176	50	0.2	AG,RE	Bend Installation and Road Crossing
	Medina	ATWS-3390	71.9	71.9	Right	283	75	0.5	AG,RE	Road Crossing
	Medina	ATWS-179	71.9	71.9	Left	174	50	0.2	AG,ID,OL	Road Crossing
	Medina	ATWS-3096	71.9	71.9	Right	154	75	0.3	AG,ID,RE	Road Crossing
	Medina	ATWS-3098	71.9	72.0	Right	405	25	0.2	AG,RE	Topsoil Segregation
	Medina	ATWS-3097	72.0	72.1	Right	301	50	0.3	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-4058	72.0	72.1	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-1460	72.1	72.2	Right	484	75	0.8	AG	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-3728	72.1	72.1	Left	300	25	0.2	AG	Bend Installation
	Medina	ATWS-3730	72.4	72.4	Right	469	50	0.5	FW	Wetland Crossing
	Medina	ATWS-3729	72.5	72.5	Right	362	25	0.2	FW	Wetland Crossing and Equipment Movement
	Medina	ATWS-3393	72.5	72.5	Left	157	25	0.1	FW	Bend Installation
	Medina	ATWS-181	72.5	72.5	Left	139	75	0.2	ID,FW,OL	Road and Wetland Crossing
	Medina	ATWS-3392	72.5	72.6	Right	218	75	0.4	ID,FW,OL	Road and Wetland Crossing
	Medina	ATWS-180	72.5	72.6	Left	247	50	0.3	ID,RE	Bend Installation and Road Crossing
	Medina	ATWS-283	72.7	72.7	Left	235	75	0.4	RE	Rail and Wetland Crossing
	Medina	ATWS-4059	72.7	72.8	Left	130	75	0.2	FW,RE	Rail and Wetland Crossing
	Medina	ATWS-182	72.8	72.9	Left	240	75	0.4	OL	Rail and Wetland Crossing
	Medina	ATWS-3731	72.9	72.9	Right	100	50	0.1	OL	Waterbody Crossing
	Medina	ATWS-3732	72.9	72.9	Left	105	75	0.2	AG,FW	Waterbody Crossing
	Medina	ATWS-183	72.9	73.1	Left	674	25	0.4	AG,FW	Topsoil Segregation
	Medina	ATWS-763	73.1	73.1	Left	108	25	0.1	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-2216	73.1	73.2	Right	281	25	0.2	AG	Bend Installation
	Medina	ATWS-2217	73.1	73.2	Left	304	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-2218	73.2	73.2	Left	118	75	0.2	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-2219	73.2	73.3	Left	286	25	0.2	AG,FW,OL	Bend Installation
	Medina	ATWS-3735	73.2	73.2	Right	252	25	0.1	FW,OL	Bend Installation and Waterbody and Wetland Crossing and Equipment Movement
	Medina	ATWS-3734	73.3	73.3	Right	62	25	0.0	FW,OL	Waterbody and Wetland Crossing and Equipment Movement
	Medina	ATWS-3733	73.3	73.3	Right	108	25	0.1	FW	Bend Installation and Waterbody and Wetland Crossing and Equipment Movement
	Medina	ATWS-3737	73.4	73.4	Left	158	25	0.1	OL	Bend Installation and Waterbody and Wetland Crossing
	Medina	ATWS-2014	73.4	73.5	Left	154	75	0.3	OL	Waterbody and Existing Pipeline Crossing
	Medina	ATWS-284	73.5	73.6	Left	655	100	1.7	OL	Waterbody, Rail and Existing Pipeline Crossing
	Medina	ATWS-285	73.7	73.7	Right	260	75	0.4	FW,OL,RE	Road, Rail and Existing Pipeline Crossing
	Medina	ATWS-3736	73.7	73.8	Left	201	50	0.2	AG,RE	Road Crossing
	Medina	ATWS-1461	73.7	73.8	Right	512	75	0.9	AG,OL,RE	Road and Wetland Crossing
	Medina	ATWS-1463	73.9	73.9	Right	165	75	0.3	AG	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-1464	74.0	74.0	Right	243	75	0.4	AG,FW,OL,RE	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-1465	74.0	74.1	Right	320	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-2960	74.1	74.1	Left	172	50	0.2	AG,ID,FW	Road Crossing
	Medina	ATWS-184	74.1	74.1	Right	160	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-185	74.1	74.2	Left	148	50	0.2	AG,ID	Road Crossing
	Medina	ATWS-1345	74.2	75.0	Right	4130	25	2.4	AG,FW,RE	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-4060	74.2	74.2	Left	148	25	0.1	AG	Bend Installation
	Medina	ATWS-3099	74.9	74.9	Left	197	25	0.1	AG	Bend Installation
	Medina	ATWS-2961	75.0	75.0	Right	249	75	0.4	AG,ID	Bend Installation and Road Crossing
	Medina	ATWS-186	75.0	75.0	Left	174	50	0.2	AG,ID	Bend Installation and Road Crossing
	Medina	ATWS-187	75.0	75.0	Left	181	75	0.3	AG,ID	Road Crossing
	Medina	ATWS-3739	75.0	75.1	Right	118	25	0.1	AG	Topsoil Segregation
	Medina	ATWS-3738	75.0	75.1	Left	121	25	0.1	AG	Existing Pipeline Crossing
	Medina	ATWS-3100	75.1	75.1	Right	109	50	0.1	AG	Waterbody Crossing
	Medina	ATWS-3394	75.1	75.1	Left	80	50	0.1	AG,OL	Waterbody Crossing
	Medina	ATWS-2731	75.1	75.1	Right	93	75	0.2	AG,OL	Waterbody Crossing
	Medina	ATWS-3101	75.1	75.1	Left	116	50	0.1	AG,OL	Waterbody Crossing
	Medina	ATWS-1467	75.1	75.3	Right	774	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-2388	75.3	75.3	Right	229	50	0.3	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-3102	75.3	75.3	Left	171	25	0.1	AG	Existing Pipeline Crossing
	Medina	ATWS-2393	75.3	75.3	Right	249	25	0.1	AG	Topsoil Segregation
	Medina	ATWS-2392	75.3	75.4	Right	281	50	0.3	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-3741	75.4	75.4	Right	214	75	0.4	AG	Wetland Crossing and Topsoil Segregation
	Medina	ATWS-2732	75.4	75.4	Left	100	50	0.1	AG	Wetland Crossing
	Medina	ATWS-2396	75.4	75.5	Left	296	75	0.5	AG,FW,OL	Rail, Waterbody and Wetland Crossing
	Medina	ATWS-2397	75.5	75.5	Right	275	90	0.6	AG,FW	Rail, Waterbody and Wetland Crossing
	Medina	ATWS-2399	75.5	75.6	Left	554	100	1.3	AG	Rail Crossing
	Medina	ATWS-2398	75.5	75.6	Right	157	75	0.3	AG	Rail Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-2400	75.6	75.7	Right	420	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-2632	75.7	75.8	Right	406	75	0.7	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-3742	75.9	76.0	Left	475	25	0.3	FW,OL	Bend Installation and Topsoil Segregation
	Medina	ATWS-3743	75.9	76.0	Right	238	25	0.1	FW,OL	Topsoil Segregation
	Medina	ATWS-2633	76.0	76.1	Left	255	50	0.3	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-2401	76.0	76.3	Right	1418	25	0.8	AG,OL	Topsoil Segregation
	Medina	ATWS-2634	76.1	76.1	Left	83	50	0.1	AG	Existing Pipeline Crossing
	Medina	ATWS-2405	76.1	76.2	Left	277	25	0.2	AG	Bend Installation
	Medina	ATWS-4061	76.3	76.3	Left	140	25	0.1	AG,FW	Bend Installation and Waterbody and Wetland Crossing
	Medina	ATWS-2592	76.3	76.3	Left	98	75	0.2	ID,FW,OL	Road, Waterbody and Wetland Crossing
	Medina	ATWS-2591	76.3	76.3	Right	123	75	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Medina	ATWS-2593	76.3	76.4	Right	133	50	0.2	ID,OL,RE	Road Crossing
	Medina	ATWS-2962	76.3	76.4	Left	88	75	0.2	ID,FW,OL	Road Crossing
	Medina	ATWS-2407	76.5	76.6	Right	656	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-3745	76.5	76.6	Left	330	25	0.2	AG	Bend Installation and Existing Pipeline Crossing
	Medina	ATWS-2411	76.6	76.8	Right	1159	25	0.7	AG,FW,RE	Topsoil Segregation
	Medina	ATWS-3744	76.6	76.6	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-4062	76.6	76.7	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-4064	76.8	76.8	Left	51	25	0.0	AG	Farm Road Crossing
	Medina	ATWS-4063	76.8	76.8	Left	50	25	0.0	AG	Farm Road Crossing
	Medina	ATWS-2412	76.8	76.9	Right	151	25	0.1	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-2413	76.9	76.9	Right	194	75	0.3	AG,OL	Bend Installation and Waterbody and Wetland Crossing
	Medina	ATWS-4065	76.9	76.9	Left	185	25	0.1	AG	Bend Installation
	Medina	ATWS-3398	77.0	77.0	Right	115	75	0.2	OL	Waterbody and Wetland Crossing
	Medina	ATWS-3397	77.0	77.0	Left	100	50	0.1	OL	Waterbody and Wetland Crossing
	Medina	ATWS-2417	77.0	77.0	Right	167	75	0.3	ID,OL	Road, Waterbody and Wetland Crossing
	Medina	ATWS-3396	77.0	77.0	Left	147	50	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Medina	ATWS-2415	77.0	77.1	Right	211	75	0.4	AG,ID,FW,OL	Road Crossing
	Medina	ATWS-3399	77.0	77.1	Left	208	50	0.2	AG,ID,FW,OL	Road Crossing
	Medina	ATWS-2416	77.1	77.3	Right	1485	25	0.9	AG	Topsoil Segregation
	Medina	ATWS-3746	77.3	77.4	Left	300	25	0.2	AG	Bend Installation
	Medina	ATWS-2419	77.4	77.4	Right	352	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-3747	77.5	77.5	Right	142	25	0.1	AG,FW	Topsoil Segregation
	Medina	ATWS-2421	77.5	77.6	Right	250	50	0.3	AG,FW	Bend Installation and Topsoil Segregation
	Medina	ATWS-4066	77.5	77.5	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-2389	77.6	77.7	Right	493	25	0.3	AG,FW	Topsoil Segregation
	Medina	ATWS-2387	77.7	77.8	Right	216	50	0.2	AG	Topsoil Segregation
	Medina	ATWS-2390	77.8	77.8	Right	115	50	0.1	AG,FW	Bend Installation and Waterbody and Wetland Crossing
	Medina	ATWS-3400	77.8	77.8	Left	59	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-3401	77.8	77.8	Left	60	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-2597	77.8	77.9	Right	366	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-3170	77.8	77.8	Left	92	50	0.1	AG	Bend Installation and Waterbody and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-3169	77.8	77.9	Left	138	25	0.1	AG	Bend Installation
	Medina	ATWS-2594	77.9	77.9	Right	295	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-3748	77.9	77.9	Left	100	25	0.1	AG	Bend Installation
	Medina	ATWS-2964	77.9	78.0	Left	148	50	0.2	AG	Road and Waterbody Crossing
	Medina	ATWS-2932	77.9	78.0	Right	158	75	0.3	AG	Road and Waterbody Crossing
	Medina	ATWS-2931	78.0	78.0	Right	166	75	0.3	AG,ID,OL	Road and Waterbody Crossing
	Medina	ATWS-2963	78.0	78.0	Left	160	50	0.2	AG,ID,OL	Road and Waterbody Crossing
	Medina	ATWS-4067	78.0	78.0	Right	181	25	0.1	AG	Topsoil Segregation
	Medina	ATWS-2596	78.0	78.2	Right	806	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-2598	78.2	78.3	Right	512	25	0.3	AG,OL	Topsoil Segregation
	Medina	ATWS-1481	78.3	78.3	Right	211	50	0.2	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Medina	ATWS-4068	78.3	78.4	Left	122	25	0.1	AG	Bend Installation and Wetland Crossing
	Medina	ATWS-1484	78.3	78.9	Right	2797	25	1.6	AG,OL	Topsoil Segregation
	Medina	ATWS-3749	78.6	78.6	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-3750	78.6	78.7	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Medina	ATWS-3405	78.9	78.9	Left	130	50	0.1	AG	Waterbody Crossing
	Medina	ATWS-3403	78.9	78.9	Right	130	75	0.2	AG,OL	Waterbody Crossing
	Medina	ATWS-3404	78.9	78.9	Right	169	75	0.3	AG,OL	Waterbody Crossing
	Medina	ATWS-3406	78.9	78.9	Left	128	50	0.1	AG,OL,RE	Waterbody Crossing
	Medina	ATWS-1485	78.9	79.0	Right	528	25	0.3	AG	Topsoil Segregation
	Medina	ATWS-3103	79.0	79.1	Left	122	50	0.1	AG,ID	Waterbody Crossing
	Medina	ATWS-195	79.0	79.1	Right	163	75	0.3	AG,ID	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Medina	ATWS-3407	79.1	79.1	Left	180	50	0.2	AG,RE	Waterbody Crossing
	Medina	ATWS-196	79.1	79.1	Right	134	75	0.2	AG,OL,RE	Waterbody Crossing
	Medina	ATWS-1486	79.1	79.2	Right	339	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-764	79.2	79.2	Right	315	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Medina	ATWS-4069	79.2	79.2	Left	200	25	0.1	AG	Bend Installation
	Medina	ATWS-2058	79.2	79.3	Right	635	25	0.4	AG	Topsoil Segregation
	Medina	ATWS-3751	79.3	79.3	Left	212	25	0.1	AG	Bend Installation
	Medina	ATWS-2013	79.3	79.5	Right	827	25	0.5	AG	Topsoil Segregation
	Medina	ATWS-1487	79.5	79.6	Right	380	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-765	79.6	79.6	Right	173	75	0.3	AG,ID,OL	Road Crossing
	Medina	ATWS-2965	79.6	79.6	Left	127	50	0.1	AG,ID,OL	Road Crossing
	Medina	ATWS-2966	79.6	79.7	Left	222	50	0.3	AG,ID,OL	Road Crossing
	Medina	ATWS-766	79.6	79.7	Right	176	75	0.3	AG,ID,OL	Road Crossing
	Medina	ATWS-3105	79.7	79.7	Right	321	25	0.2	AG	Topsoil Segregation
	Medina	ATWS-3104	79.7	79.8	Right	307	50	0.4	AG	Bend Installation and Topsoil Segregation
	Medina	ATWS-1347	79.8	80.3	Right	2995	25	1.7	AG,OL	Topsoil Segregation
	Medina	ATWS-767	80.1	80.1	Left	320	25	0.2	AG,FW,OL	Bend Installation
	Medina	ATWS-3752	80.4	80.4	Left	247	25	0.1	AG,FW,OL	Bend Installation
	Lorain	ATWS-1489	80.6	80.7	Right	760	75	1.3	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3758	80.7	81.0	Right	1239	25	0.7	AG	Topsoil Segregation
	Lorain	ATWS-4070	81.0	81.0	Right	250	75	0.4	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1335	81.1	81.2	Right	369	25	0.2	AG,OL	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-197	81.2	81.2	Right	153	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2934	81.2	81.2	Left	174	50	0.2	AG,OL	Road Crossing
	Lorain	ATWS-198	81.2	81.2	Right	172	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2933	81.2	81.2	Left	137	50	0.2	AG,ID,OL	Road Crossing
	Lorain	ATWS-1490	81.2	81.3	Right	637	25	0.4	AG	Topsoil Segregation
	Lorain	ATWS-3759	81.3	81.4	Left	100	50	0.1	AG	Waterbody Crossing
	Lorain	ATWS-2542	81.3	81.4	Right	100	75	0.2	AG	Waterbody Crossing
	Lorain	ATWS-2541	81.4	81.4	Right	100	75	0.2	AG	Waterbody Crossing
	Lorain	ATWS-2424	81.4	81.4	Left	297	25	0.2	AG	Bend Installation
	Lorain	ATWS-199	81.4	81.5	Right	391	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-3107	81.6	81.6	Right	207	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-3106	81.6	81.7	Right	313	50	0.4	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4071	81.6	81.7	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-1336	81.7	82.0	Right	1477	25	0.8	AG,OL	Topsoil Segregation
	Lorain	ATWS-3760	82.0	82.0	Right	149	25	0.1	AG,FW	Topsoil Segregation
	Lorain	ATWS-1337	82.1	82.4	Right	1455	25	0.8	AG,FW	Topsoil Segregation
	Lorain	ATWS-3761	82.4	82.5	Right	444	50	0.5	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-2729	82.5	82.6	Right	561	25	0.3	AG,OL	Topsoil Segregation
	Lorain	ATWS-2243	82.5	82.6	Left	324	50	0.4	AG,ID,OL	Bend Installation and Road and Wetland Crossing
	Lorain	ATWS-2242	82.6	82.6	Right	163	75	0.3	AG,ID,OL	Road and Wetland Crossing
	Lorain	ATWS-201	82.6	82.6	Left	128	50	0.1	OL	Road and Wetland Crossing
	Lorain	ATWS-768	82.6	82.6	Right	58	75	0.1	OL,RE	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-594	82.7	82.7	Right	182	75	0.3	ID,FW,OL	Road and Wetland Crossing
	Lorain	ATWS-593	82.7	82.8	Right	333	75	0.6	AG,FW	Road and Wetland Crossing
	Lorain	ATWS-4072	82.7	82.8	Left	333	25	0.2	AG,ID	Road and Wetland Crossing
	Lorain	ATWS-595	82.9	83.0	Right	261	75	0.4	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-288	83.0	83.1	Right	662	75	1.1	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-769	83.2	83.2	Right	240	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4073	83.2	83.2	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-1338	83.2	83.3	Right	396	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-770	83.3	83.3	Left	191	25	0.1	AG,FW	Bend Installation
	Lorain	ATWS-3767	83.3	83.3	Right	201	75	0.3	AG,FW	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-4267	83.4	83.4	Right	112	75	0.2	AG,FW	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3762	83.4	83.4	Left	130	25	0.1	FW	Bend Installation
	Lorain	ATWS-289	83.4	83.5	Right	149	50	0.2	FW	Wetland Crossing
	Lorain	ATWS-3764	83.5	83.6	Right	278	25	0.2	FW	Bend Installation and Wetland Crossing and Equipment Movement
	Lorain	ATWS-596	83.6	83.6	Right	253	50	0.3	FW	Wetland Crossing
	Lorain	ATWS-771	83.6	83.7	Left	314	25	0.2	FW,OL	Bend Installation
	Lorain	ATWS-657	83.9	83.9	Right	150	75	0.3	ID,RE	Road Crossing
	Lorain	ATWS-3408	83.9	83.9	Left	105	50	0.1	ID,RE	Road Crossing
	Lorain	ATWS-2967	83.9	83.9	Left	177	50	0.2	AG,ID,OL	Road Crossing
	Lorain	ATWS-658	83.9	83.9	Right	140	75	0.2	AG,ID,OL	Road Crossing
	Lorain	ATWS-1339	83.9	84.2	Right	1307	25	0.8	AG	Topsoil Segregation
	Lorain	ATWS-3766	83.9	84.0	Left	345	25	0.2	AG	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-1492	84.2	84.3	Right	386	75	0.7	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3768	84.4	84.4	Left	242	25	0.1	FW,OL	Bend Installation and Waterbody and Wetland Crossing
	Lorain	ATWS-699	84.4	84.4	Right	185	50	0.2	OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3769	84.5	84.5	Left	75	25	0.0	AG,FW	Bend Installation
	Lorain	ATWS-1493	84.5	84.6	Right	211	20	0.1	AG,FW	Topsoil Segregation
	Lorain	ATWS-2730	84.6	84.7	Right	359	25	0.3	AG,ID,RE	Topsoil Segregation
	Lorain	ATWS-202	84.6	84.7	Left	164	75	0.3	AG,ID	Road Crossing
	Lorain	ATWS-203	84.7	84.7	Left	151	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2144	84.7	84.7	Right	146	50	0.2	AG,ID,OL,RE	Road Crossing
	Lorain	ATWS-1340	84.7	84.9	Right	962	25	0.6	AG	Topsoil Segregation
	Lorain	ATWS-4074	84.9	84.9	Right	300	50	0.3	AG,FW	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-4075	85.0	85.0	Right	244	50	0.3	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1494	85.0	85.0	Left	204	50	0.2	AG	Waterbody and Wetland Crossing
	Lorain	ATWS-3770	85.1	85.1	Left	131	25	0.1	OL	Bend Installation
	Lorain	ATWS-204	85.2	85.4	Right	758	75	1.3	AG,FW	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1341	85.4	85.7	Right	1684	25	1.0	AG	Topsoil Segregation
	Lorain	ATWS-1495	85.7	85.8	Right	508	75	0.9	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1497	85.9	85.9	Right	250	25	0.1	AG	Bend Installation
	Lorain	ATWS-597	85.9	85.9	Right	204	75	0.4	AG	Road Crossing
	Lorain	ATWS-1496	85.9	85.9	Left	197	25	0.1	AG,ID,FW,OL	Road, Waterbody and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-4076	85.9	85.9	Right	61	75	0.1	AG,ID,OL	Road Crossing
	Lorain	ATWS-3409	85.9	86.0	Right	92	75	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-1498	86.0	86.0	Left	378	75	0.7	AG,OL	Bend Installation and Road, Waterbody and Wetland Crossing
	Lorain	ATWS-1342	86.0	86.1	Right	655	25	0.4	AG	Topsoil Segregation
	Lorain	ATWS-3771	86.1	86.3	Right	299	187	1.3	AG	HDD Pull Back String
	Lorain	ATWS-910	86.2	86.4	Left	748	25	0.4	AG,FW	HDD Pull Back String
	Lorain	ATWS-3772	86.2	86.3	Right	489	25	0.3	AG,FW	Topsoil Segregation
	Lorain	ATWS-4379	86.3	86.4	Right	370	25	0.2	AG,FW	Access To Hydrostatic Test Water
	Lorain	ATWS-911	86.4	86.6	Left	617	100	1.4	AG	HDD Exit Location
	Lorain	ATWS-772	86.9	87.0	Left	713	125	1.9	AG	HDD Entry Location
	Lorain	ATWS-2025	86.9	86.9	Right	117	25	0.1	AG	HDD Entry Location and Topsoil Segregation
	Lorain	ATWS-3773	87.0	87.1	Right	312	75	0.5	AG,FW	Rail, Road and Waterbody Crossing
	Lorain	ATWS-205	87.1	87.1	Right	254	75	0.4	AG,ID	Rail, Road and Waterbody Crossing
	Lorain	ATWS-1501	87.1	87.3	Right	638	25	0.4	AG	Topsoil Segregation
	Lorain	ATWS-3774	87.3	87.3	Right	137	75	0.2	AG,OL	Waterbody Crossing
	Lorain	ATWS-3410	87.3	87.3	Right	125	75	0.2	AG,OL	Waterbody Crossing
	Lorain	ATWS-1343	87.3	87.5	Right	578	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-2168	87.5	87.6	Right	889	25	0.5	AG	Topsoil Segregation
	Lorain	ATWS-773	87.7	87.8	Left	280	25	0.2	OL	Bend Installation
	Lorain	ATWS-2733	87.8	87.8	Right	360	50	0.4	AG,OL	Bend Installation and Topsoil Segregation
	Lorain	ATWS-3775	87.8	87.9	Left	300	25	0.2	AG	Bend Installation
	Lorain	ATWS-1502	87.8	88.0	Right	809	25	0.5	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-3411	88.0	88.0	Right	120	75	0.2	AG	Waterbody Crossing
	Lorain	ATWS-3413	88.0	88.0	Left	75	25	0.0	AG	Waterbody Crossing
	Lorain	ATWS-3412	88.0	88.1	Right	100	75	0.2	AG,FW	Waterbody Crossing
	Lorain	ATWS-1503	88.1	88.2	Right	575	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-3108	88.2	88.2	Left	127	50	0.1	AG	Road Crossing
	Lorain	ATWS-206	88.2	88.2	Right	117	75	0.2	AG,ID,RE	Road Crossing
	Lorain	ATWS-3109	88.2	88.2	Left	124	50	0.1	AG	Road Crossing
	Lorain	ATWS-207	88.2	88.2	Right	124	75	0.2	AG	Road Crossing
	Lorain	ATWS-703	88.2	88.3	Right	469	50	0.5	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4268	88.2	88.3	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-1344	88.3	88.4	Right	696	25	0.4	AG,OL	Topsoil Segregation
	Lorain	ATWS-3420	88.4	88.5	Right	82	75	0.1	OL	Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-3776	88.5	88.5	Left	100	50	0.1	OL	Wetland Crossing
	Lorain	ATWS-1505	88.5	88.5	Right	217	75	0.4	OL	Wetland and Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-4403	88.5	88.6	Right	340	25	0.2	FW,OL	Bend Installation
	Lorain	ATWS-290	88.8	89.0	Right	962	75	1.7	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1295	89.0	89.1	Right	605	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-3423	89.1	89.1	Right	100	50	0.1	AG	Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-3422	89.1	89.1	Right	100	50	0.1	AG,OL	Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-3425	89.1	89.2	Right	342	25	0.2	AG,OL,RE	Topsoil Segregation
	Lorain	ATWS-3431	89.2	89.2	Right	153	50	0.2	AG,RE	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-701	89.3	89.3	Right	235	75	0.4	AG	Road and Waterbody Crossing
	Lorain	ATWS-700	89.3	89.3	Right	92	75	0.2	AG	Waterbody Crossing
	Lorain	ATWS-3778	89.3	89.5	Right	1029	25	0.6	AG	Topsoil Segregation
	Lorain	ATWS-3777	89.5	89.6	Right	150	50	0.2	AG	Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-2170	89.6	89.7	Right	1020	25	0.6	AG	Topsoil Segregation
	Lorain	ATWS-1296	89.8	90.0	Right	1407	25	0.8	AG	Topsoil Segregation
	Lorain	ATWS-3426	90.0	90.1	Right	303	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-3780	90.1	90.1	Right	223	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-3779	90.1	90.2	Right	150	75	0.3	AG	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-2727	90.1	90.2	Left	274	120	0.8	AG,OL	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-702	90.2	90.2	Left	110	75	0.2	OL	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-209	90.2	90.3	Left	153	75	0.3	ID,OL	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-210	90.3	90.3	Right	169	75	0.3	AG,ID	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-2726	90.3	90.3	Left	155	50	0.2	AG,ID	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-3417	90.3	90.3	Right	185	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-3430	90.3	90.3	Left	216	25	0.1	AG	Bend Installation
	Lorain	ATWS-3416	90.3	90.4	Right	305	50	0.4	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-1294	90.4	90.5	Right	359	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-2734	90.5	90.5	Right	111	75	0.2	AG	Waterbody Crossing
	Lorain	ATWS-3428	90.5	90.7	Right	896	75	1.5	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3781	90.6	90.7	Left	300	25	0.2	FW	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-774	90.9	91.0	Right	154	75	0.3	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-3418	91.0	91.1	Right	668	50	0.8	AG,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1297	91.1	91.1	Right	186	50	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lorain	ATWS-2735	91.2	91.2	Right	184	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-211	91.2	91.2	Right	164	75	0.3	AG,ID	Road Crossing
	Lorain	ATWS-659	91.2	91.3	Right	435	75	0.7	AG,ID	Road, Waterbody and Wetland Crossing
	Lorain	ATWS-292	91.4	91.4	Right	163	75	0.3	FW,OL	Bend Installation and Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-2059	91.4	91.4	Left	140	75	0.2	AG	Bend Installation and Existing Pipeline Crossing
	Lorain	ATWS-3782	91.4	91.5	Left	225	100	0.5	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-2736	91.5	91.7	Left	1292	25	0.7	AG	Topsoil Segregation
	Lorain	ATWS-777	91.7	91.8	Left	294	100	0.7	AG,FW	Waterbody Crossing and Topsoil Segregation
	Lorain	ATWS-1298	91.8	92.1	Right	1787	25	1.0	AG	Waterbody Crossing and Topsoil Segregation
	Lorain	ATWS-776	91.8	91.9	Left	321	100	0.7	AG	Bend Installation and Waterbody Crossing
	Lorain	ATWS-4354	91.8	92.2	Left	1050	130	3.1	AG,FW,OL	HDD Pull Back String
	Lorain	ATWS-4417	92.0	92.1	Left	573	120	0.8	AG	HDD Pull Back String
	Lorain	ATWS-778	92.1	92.2	Right	380	125	1.1	AG	HDD Exit Location
	Lorain	ATWS-779	92.5	92.6	Left	540	100	1.2	AG,OL	HDD Entry Location and Wetland Crossing
	Lorain	ATWS-4385	92.5	92.5	Right	230	75	0.4	AG,OL	HDD Entry Location and Wetland Crossing
	Lorain	ATWS-780	92.6	92.7	Right	179	75	0.3	AG,OL	Waterbody, Wetland and Existing Pipeline Crossing and Topsoil Segregation
	Lorain	ATWS-1512	92.7	92.7	Left	200	50	0.2	AG	Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-1299	92.7	93.0	Right	1446	25	0.8	AG,OL	Topsoil Segregation
	Lorain	ATWS-782	93.0	93.0	Left	162	25	0.1	AG	Bend Installation
	Lorain	ATWS-2173	93.0	93.3	Right	1534	25	0.9	AG	Topsoil Segregation
	Lorain	ATWS-783	93.3	93.4	Right	209	50	0.2	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4269	93.3	93.4	Left	204	25	0.1	AG	Bend Installation
	Lorain	ATWS-1513	93.4	93.4	Right	187	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2968	93.4	93.4	Left	169	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-4077	93.4	93.4	Left	230	50	0.3	ID,FW,OL	Road and Waterbody Crossing
	Lorain	ATWS-213	93.4	93.4	Right	197	75	0.3	ID,OL	Road and Waterbody Crossing
	Lorain	ATWS-214	93.4	93.5	Right	435	75	0.7	ID,OL	Bend Installation and Road Crossing
	Lorain	ATWS-660	93.5	93.5	Left	291	25	0.2	ID,OL	Bend Installation and Road Crossing
	Lorain	ATWS-1514	93.5	93.6	Right	319	25	0.2	OL	Topsoil Segregation
	Lorain	ATWS-215	93.6	93.6	Left	301	25	0.2	AG,FW,OL,RE	Bend Installation
	Lorain	ATWS-1970	93.6	93.6	Left	88	50	0.1	AG	Existing Pipeline Crossing
	Lorain	ATWS-784	93.6	93.7	Left	515	50	0.6	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4078	93.7	93.7	Right	260	25	0.1	AG,FW	Bend Installation
	Lorain	ATWS-1300	93.7	94.1	Left	1865	25	1.1	AG	Topsoil Segregation
	Lorain	ATWS-785	94.1	94.2	Left	562	75	1.0	AG,FW	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1893	94.3	94.3	Left	77	25	0.0	FW	Existing Pipeline Crossing
	Lorain	ATWS-786	94.4	94.4	Left	205	25	0.1	FW	Bend Installation
	Lorain	ATWS-1301	94.4	94.5	Right	631	25	0.4	AG	Topsoil Segregation
	Lorain	ATWS-216	94.6	94.6	Right	151	75	0.3	AG,ID,RE	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-217	94.7	94.8	Right	292	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-1304	94.8	95.1	Right	1547	25	0.9	AG	Topsoil Segregation
	Lorain	ATWS-1515	95.1	95.2	Right	474	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-3110	95.2	95.2	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-3111	95.2	95.3	Right	388	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-4270	95.3	95.4	Right	250	75	0.4	AG,FW	Road Crossing
	Lorain	ATWS-3783	95.4	95.5	Right	295	75	0.5	AG	Road and Wetland Crossing
	Lorain	ATWS-3784	95.5	95.5	Right	232	25	0.1	AG,FW	Topsoil Segregation
	Lorain	ATWS-2178	95.5	95.5	Left	66	50	0.1	AG,FW	Wetland Crossing
	Lorain	ATWS-1302	95.5	95.5	Right	192	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-802	95.5	95.6	Left	190	25	0.1	AG	Bend Installation
	Lorain	ATWS-2176	95.6	95.6	Right	327	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-787	95.8	96.0	Right	1492	75	2.0	AG,OL	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-4404	96.0	96.1	Right	345	125	1.0	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-4406	96.3	96.3	Right	120	50	0.2	FW	Abandoned Rail, Waterbody and Wetland Crossing
	Lorain	ATWS-4405	96.3	96.3	Left	150	50	0.2	FW,OL	Abandoned Rail, Waterbody and Wetland Crossing
	Lorain	ATWS-4407	96.3	96.4	Right	190	50	0.2	AG,FW	Abandoned Rail and Existing Pipeline Crossing
	Lorain	ATWS-3785	96.3	96.4	Left	155	50	0.2	AG,FW	Abandoned Rail and Existing Pipeline Crossing
	Lorain	ATWS-2704	96.4	96.5	Right	411	50	0.5	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-3786	96.4	96.4	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Lorain	ATWS-2738	96.4	96.5	Left	283	50	0.3	AG	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-2875	96.5	96.7	Left	1249	25	0.7	AG,OL	Topsoil Segregation
	Lorain	ATWS-2870	96.7	96.7	Left	194	75	0.3	AG,ID	Road and Wetland Crossing
	Lorain	ATWS-2871	96.7	96.8	Left	236	75	0.4	AG,ID,OL	Road and Wetland Crossing
	Lorain	ATWS-3787	96.8	97.1	Left	1410	25	0.8	AG	Topsoil Segregation
	Lorain	ATWS-2701	97.1	97.1	Left	332	50	0.4	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-2872	97.1	97.3	Right	963	25	0.6	AG	Topsoil Segregation
	Lorain	ATWS-3433	97.3	97.3	Left	219	50	0.3	AG	Waterbody and Wetland Crossing
	Lorain	ATWS-2739	97.3	97.3	Right	138	75	0.2	AG,FW	Waterbody and Wetland Crossing
	Lorain	ATWS-2746	97.3	97.4	Right	210	75	0.4	AG	Waterbody and Wetland Crossing
	Lorain	ATWS-3112	97.3	97.4	Left	100	50	0.1	AG	Waterbody and Wetland Crossing
	Lorain	ATWS-2703	97.4	97.5	Right	638	25	0.4	AG	Topsoil Segregation
	Lorain	ATWS-2699	97.5	97.5	Right	279	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4079	97.5	97.5	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-2700	97.5	97.6	Right	452	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-2460	97.6	97.7	Left	181	50	0.2	AG,ID,OL	Road Crossing
	Lorain	ATWS-2449	97.6	97.7	Right	176	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2448	97.7	97.7	Right	161	75	0.3	AG,ID	Road Crossing
	Lorain	ATWS-2459	97.7	97.7	Left	157	50	0.2	AG,ID	Road Crossing
	Lorain	ATWS-2450	97.7	97.9	Right	1233	25	0.7	AG	Topsoil Segregation
	Lorain	ATWS-2698	97.9	98.0	Right	410	125	1.2	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4080	98.0	98.0	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-2697	98.0	98.1	Right	212	50	0.2	AG	Road and Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-3788	98.1	98.1	Left	212	75	0.4	AG	Road Crossing
	Lorain	ATWS-2695	98.1	98.2	Right	296	125	0.8	AG	Road Crossing
	Lorain	ATWS-3789	98.1	98.2	Left	179	50	0.2	AG	Road Crossing
	Lorain	ATWS-2696	98.2	98.2	Right	350	25	0.2	AG	Bend Installation
	Lorain	ATWS-2693	98.2	98.2	Left	294	25	0.2	AG	Topsoil Segregation
	Lorain	ATWS-2747	98.2	98.3	Right	100	50	0.1	AG	Existing Pipeline Crossing
	Lorain	ATWS-3113	98.2	98.3	Left	191	50	0.2	AG	Existing Pipeline Crossing
	Lorain	ATWS-2694	98.3	98.3	Right	85	75	0.1	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lorain	ATWS-2709	98.3	98.3	Right	188	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lorain	ATWS-3434	98.3	98.3	Left	100	50	0.1	AG,OL	Waterbody Crossing
	Lorain	ATWS-2869	98.3	98.4	Right	553	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-2711	98.4	98.5	Left	162	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2707	98.4	98.5	Right	153	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2969	98.5	98.5	Right	146	50	0.2	ID,OL,RE	Road Crossing
	Lorain	ATWS-2708	98.5	98.5	Left	93	75	0.2	ID,OL,RE	Road Crossing
	Lorain	ATWS-2710	98.5	98.6	Left	342	25	0.2	OL	Bend Installation and Wetland Crossing
	Lorain	ATWS-4081	98.5	98.6	Right	439	25	0.3	OL	Topsoil Segregation
	Lorain	ATWS-3790	98.6	98.7	Right	548	25	0.3	AG,OL	Topsoil Segregation
	Lorain	ATWS-2706	98.7	98.8	Right	327	50	0.4	AG,FW,OL	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4082	98.8	98.8	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-2444	98.9	99.0	Right	238	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4083	98.9	99.0	Left	200	25	0.1	AG	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-2458	99.0	99.1	Right	851	25	0.5	AG	Topsoil Segregation
	Lorain	ATWS-2461	99.1	99.2	Left	166	50	0.2	AG,ID,OL	Road Crossing
	Lorain	ATWS-2457	99.1	99.2	Right	210	75	0.4	AG,ID,OL	Road Crossing
	Lorain	ATWS-2462	99.2	99.2	Left	264	50	0.3	AG,ID,OL	Bend Installation and Road and Existing Pipeline Crossing
	Lorain	ATWS-2456	99.2	99.2	Right	136	75	0.2	AG,ID,OL,RE	Road and Existing Pipeline Crossing
	Lorain	ATWS-2455	99.2	99.3	Left	126	25	0.1	AG	Bend Installation
	Lorain	ATWS-3791	99.3	99.3	Right	122	50	0.1	FW,OL	Waterbody Crossing
	Lorain	ATWS-3792	99.3	99.3	Left	85	50	0.1	FW,OL	Waterbody Crossing
	Lorain	ATWS-2443	99.3	99.4	Right	168	75	0.3	AG	Waterbody Crossing
	Lorain	ATWS-3793	99.3	99.4	Left	108	50	0.1	AG	Waterbody Crossing
	Lorain	ATWS-3435	99.4	99.4	Right	190	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-2438	99.4	99.5	Left	316	25	0.2	AG	Bend Installation
	Lorain	ATWS-2442	99.4	99.6	Right	963	25	0.6	AG	Topsoil Segregation
	Lorain	ATWS-2454	99.6	99.9	Right	1410	25	0.8	AG	Topsoil Segregation
	Lorain	ATWS-3114	99.9	99.9	Right	392	50	0.4	AG	Bend Installation and Topsoil Segregation
	Lorain	ATWS-4084	99.9	99.9	Left	200	25	0.1	AG	Bend Installation
	Lorain	ATWS-2919	99.9	100.0	Left	112	75	0.2	AG	Road Crossing
	Lorain	ATWS-2453	99.9	100.0	Right	162	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2437	100.0	100.0	Right	158	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-2463	100.0	100.0	Left	152	75	0.3	AG,ID,OL	Road Crossing
	Lorain	ATWS-3437	100.0	100.0	Right	212	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-3436	100.0	100.1	Right	306	50	0.4	AG	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lorain	ATWS-3794	100.1	100.1	Right	242	75	0.4	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-2435	100.2	100.3	Right	439	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-2433	100.3	100.3	Left	238	25	0.1	AG,FW,OL	Bend Installation
	Lorain	ATWS-2434	100.3	100.4	Right	593	25	0.3	AG	Topsoil Segregation
	Lorain	ATWS-4086	100.4	100.4	Right	300	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-2432	100.6	100.6	Right	133	50	0.2	ID,FW	Road Crossing
	Lorain	ATWS-2970	100.6	100.6	Left	126	50	0.1	ID,FW	Road Crossing
	Lorain	ATWS-2445	100.6	100.6	Left	169	75	0.3	ID,OL,RE	Road Crossing
	Lorain	ATWS-3795	100.6	100.6	Right	98	50	0.1	ID,OL,RE	Road Crossing
	Lorain	ATWS-2430	100.6	100.8	Right	692	25	0.4	AG,OL	Topsoil Segregation
	Lorain	ATWS-4089	101.0	101.2	Left	1213	75	2.1	AG,OL	Wetland Crossing and Topsoil Segregation
	Lorain	ATWS-4087	101.0	101.0	Right	151	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-2446	101.0	101.1	Right	219	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-4088	101.1	101.1	Right	239	25	0.1	AG	Topsoil Segregation
	Lorain	ATWS-2431	101.1	101.3	Right	719	25	0.4	AG,OL	Topsoil Segregation
	Lorain	ATWS-2465	101.3	101.3	Left	153	75	0.3	AG	Road and Waterbody Crossing
	Lorain	ATWS-2428	101.3	101.3	Right	155	50	0.2	AG	Road and Waterbody Crossing
	Huron	ATWS-2464	101.3	101.3	Left	164	50	0.2	AG,ID	Road and Waterbody Crossing
	Huron	ATWS-2451	101.3	101.3	Right	158	75	0.3	AG,ID	Road and Waterbody Crossing
	Huron	ATWS-2452	101.3	101.6	Right	1311	25	0.8	AG	Topsoil Segregation
	Huron	ATWS-2705	101.6	101.6	Right	307	50	0.4	AG,FW	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Huron	ATWS-4090	101.6	101.6	Left	200	25	0.1	AG	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Huron	ATWS-2427	101.7	101.8	Right	864	25	0.5	AG	Topsoil Segregation
	Huron	ATWS-2447	101.8	101.9	Right	287	75	0.5	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Huron	ATWS-2425	101.9	102.0	Left	407	25	0.2	AG	Bend Installation
	Huron	ATWS-2784	101.9	102.2	Right	1370	25	0.8	AG,OL	Topsoil Segregation
	Huron	ATWS-4091	102.2	102.2	Right	300	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Huron	ATWS-4092	102.2	102.3	Right	293	25	0.2	AG,FW	Topsoil Segregation
	Huron	ATWS-2785	102.3	102.3	Left	225	75	0.4	AG	Road, Waterbody and Wetland Crossing
	Huron	ATWS-2781	102.3	102.4	Right	117	75	0.2	ID,FW,OL	Road, Waterbody and Wetland Crossing
	Huron	ATWS-2820	102.4	102.4	Left	221	75	0.4	AG,ID,FW,OL	Road, Waterbody and Wetland Crossing
	Huron	ATWS-2780	102.4	102.4	Right	267	75	0.5	AG,ID,OL	Road Crossing
	Huron	ATWS-2782	102.4	102.5	Right	554	25	0.3	AG	Topsoil Segregation
	Huron	ATWS-3115	102.5	102.6	Right	304	50	0.3	AG	Bend Installation and Topsoil Segregation
	Huron	ATWS-2783	102.6	102.9	Right	1909	25	1.1	AG	Topsoil Segregation
	Huron	ATWS-3444	102.9	103.0	Left	168	50	0.2	AG	Waterbody Crossing
	Huron	ATWS-2802	102.9	103.0	Right	131	75	0.2	AG	Waterbody Crossing
	Huron	ATWS-2801	103.0	103.0	Right	121	75	0.2	AG	Waterbody Crossing
	Huron	ATWS-3445	103.0	103.0	Left	100	50	0.1	AG,OL	Waterbody Crossing
	Huron	ATWS-2800	103.0	103.1	Right	486	25	0.3	AG	Topsoil Segregation
	Huron	ATWS-3446	103.0	103.0	Left	196	25	0.1	AG	Bend Installation
	Huron	ATWS-2815	103.2	103.3	Right	602	25	0.3	AG	Topsoil Segregation
	Huron	ATWS-2816	103.3	103.4	Right	641	25	0.4	AG	Topsoil Segregation
	Huron	ATWS-2797	103.4	103.7	Right	1462	25	0.8	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Huron	ATWS-2798	103.7	103.7	Right	324	50	0.4	AG	Bend Installation and Topsoil Segregation
	Huron	ATWS-4093	103.7	103.7	Left	200	25	0.1	AG	Bend Installation
	Huron	ATWS-2799	103.7	103.9	Right	668	25	0.4	AG	Topsoil Segregation
	Huron	ATWS-2821	103.9	103.9	Left	207	50	0.2	AG,ID,OL	Road Crossing
	Huron	ATWS-2805	103.9	103.9	Right	161	75	0.3	AG,ID,OL	Road Crossing
	Huron	ATWS-2809	103.9	103.9	Right	212	75	0.4	AG,ID	Road Crossing
	Huron	ATWS-2822	103.9	103.9	Left	164	50	0.2	AG,ID	Road Crossing
	Huron	ATWS-2810	103.9	104.0	Right	335	25	0.2	AG	Topsoil Segregation
	Huron	ATWS-2803	104.0	104.1	Right	506	75	0.9	AG	HDD Entry Location
	Huron	ATWS-2804	104.0	104.1	Left	506	75	0.9	AG	HDD Entry Location
	Huron	ATWS-4380	104.2	104.2	Left	467	25	0.3	AG,FW,RE	Access To Hydrostatic Test Water
	Huron/Erie	ATWS-2811	104.6	104.7	Right	543	75	0.9	AG,ID,OL	HDD Exit Location
	Huron	ATWS-2812	104.6	104.7	Left	397	75	0.7	AG,ID,OL	HDD Exit Location
	Huron/Erie	ATWS-3796	104.7	105.2	Left	2641	25	1.5	AG,OL	HDD Pull Back String
	Erie	ATWS-2795	104.8	104.9	Right	762	25	0.4	AG,FW	Topsoil Segregation
	Erie	ATWS-2796	104.9	105.2	Right	1252	25	0.7	AG	Topsoil Segregation
	Erie	ATWS-2794	105.2	105.2	Right	316	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2814	105.2	105.2	Left	296	100	0.7	AG	Bend Installation and HDD Pull Back String
	Erie	ATWS-4355	105.2	105.3	Left	502	100	1.2	AG,OL	HDD Pull Back String
	Erie	ATWS-2793	105.2	105.8	Right	3319	25	1.9	AG,OL	Topsoil Segregation
	Erie	ATWS-3116	105.5	105.6	Left	300	25	0.2	AG	Bend Installation
	Erie	ATWS-2792	105.7	105.8	Left	442	25	0.3	AG,OL	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-2819	105.8	105.9	Left	251	50	0.3	ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2791	105.8	105.9	Right	254	75	0.4	ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2818	105.9	106.0	Left	227	50	0.3	AG	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2790	105.9	106.0	Right	209	75	0.4	AG,FW,RE	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3447	106.0	106.0	Right	74	187	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2789	106.0	106.1	Right	172	75	0.3	AG,ID	Bend Installation and Road Crossing
	Erie	ATWS-2824	106.0	106.1	Left	141	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-2788	106.1	106.1	Right	188	75	0.3	AG	Road Crossing
	Erie	ATWS-2823	106.1	106.1	Left	175	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-2786	106.1	106.2	Right	332	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-3797	106.1	106.3	Right	1156	50	1.3	AG	Wetland Crossing Drag Section
	Erie	ATWS-2787	106.2	106.3	Right	392	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-1534	106.2	106.3	Left	406	50	0.5	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2859	106.3	106.4	Left	247	75	0.4	AG	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-1535	106.9	107.1	Left	1153	75	2.0	AG	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-3118	107.1	107.1	Left	202	50	0.2	AG	Bend Installation and Existing Pipeline Crossing
	Erie	ATWS-795	107.1	107.2	Right	445	50	0.5	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1536	107.2	107.5	Right	1969	25	1.1	AG	Topsoil Segregation
	Erie	ATWS-3119	107.4	107.4	Left	283	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-3798	107.5	107.6	Left	298	25	0.2	AG,OL	Bend Installation and Road Crossing
	Erie	ATWS-711	107.5	107.6	Right	178	75	0.3	AG,ID,OL	Road Crossing
	Erie	ATWS-3448	107.6	107.6	Left	153	50	0.2	AG,ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-712	107.6	107.6	Right	157	75	0.3	AG,ID,OL	Road Crossing
	Erie	ATWS-3121	107.6	107.8	Right	798	25	0.5	AG,OL	Topsoil Segregation
	Erie	ATWS-3120	107.8	107.9	Right	480	50	0.6	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4094	107.8	107.8	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-1537	107.9	108.4	Right	2665	25	1.5	AG	Topsoil Segregation
	Erie	ATWS-713	108.0	108.0	Left	253	25	0.1	AG	Bend Installation
	Erie	ATWS-4271	108.3	108.3	Left	100	25	0.1	AG	Existing Pipeline Crossing
	Erie	ATWS-714	108.4	108.5	Right	462	50	0.5	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4095	108.4	108.5	Left	477	25	0.3	AG	Bend Installation
	Erie	ATWS-1538	108.5	108.6	Right	770	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-2973	108.6	108.6	Left	115	75	0.2	AG,ID	Road Crossing
	Erie	ATWS-716	108.6	108.6	Right	139	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-2972	108.6	108.7	Left	166	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-715	108.6	108.7	Right	139	50	0.2	AG,ID,OL	Road Crossing
	Erie	ATWS-1317	108.7	109.1	Right	2417	25	1.4	AG	Topsoil Segregation
	Erie	ATWS-797	108.7	108.8	Left	313	25	0.2	AG	Bend Installation
	Erie	ATWS-3800	108.8	108.9	Left	300	25	0.2	AG	Bend Installation
	Erie	ATWS-798	109.1	109.2	Right	314	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4096	109.1	109.2	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-1539	109.2	109.4	Right	1048	25	0.6	AG	Topsoil Segregation
	Erie	ATWS-1540	109.4	109.5	Right	262	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-1320	109.5	109.7	Right	1272	25	0.7	AG,OL	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-3200	109.7	109.8	Right	186	75	0.3	AG,FW	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-2082	109.8	110.0	Right	1281	25	0.7	AG	Topsoil Segregation
	Erie	ATWS-3197	110.0	110.1	Right	448	75	0.8	AG	HDD Exit Location
	Erie	ATWS-4356	110.0	110.1	Left	448	50	0.5	AG	HDD Exit Location
	Erie	ATWS-3196	110.3	110.4	Right	430	250	2.3	AG	HDD Entry Location
	Erie	ATWS-3195	110.3	110.4	Left	308	50	0.4	AG	HDD Entry Location and Bend Installation
	Erie	ATWS-2827	110.4	110.6	Right	1059	25	0.6	AG	Topsoil Segregation
	Erie	ATWS-3122	110.5	110.6	Left	625	25	0.4	AG	Bend Installation
	Erie	ATWS-1542	110.6	111.0	Right	1970	25	1.1	AG,OL	Topsoil Segregation
	Erie	ATWS-3123	110.7	110.9	Left	714	25	0.4	AG	Bend Installation and Wetland Crossing
	Erie	ATWS-4097	110.9	111.0	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-1543	111.0	111.1	Right	533	25	0.3	AG,OL	Topsoil Segregation
	Erie	ATWS-2779	111.1	111.1	Right	187	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-317	111.1	111.1	Left	238	75	0.4	AG,ID	Road Crossing
	Erie	ATWS-318	111.2	111.2	Right	254	75	0.4	AG	Road Crossing
	Erie	ATWS-1319	111.2	111.3	Right	614	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-2826	111.2	111.2	Left	200	25	0.1	AG,RE	Bend Installation
	Erie	ATWS-804	111.3	111.4	Left	213	25	0.1	AG	Bend Installation
	Erie	ATWS-547	111.3	111.4	Right	263	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-4098	111.4	111.4	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-805	111.4	111.5	Right	209	50	0.2	AG,OL	Bend Installation and Topsoil Segregation
	Erie	ATWS-1318	111.5	111.5	Right	438	25	0.3	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-2083	111.5	111.6	Right	410	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-4099	111.6	111.7	Right	300	75	0.5	AG,FW	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-1544	112.0	112.0	Right	115	25	0.1	FW,OL	Bend Installation
	Erie	ATWS-319	112.0	112.0	Right	193	75	0.3	OL	Road Crossing
	Erie	ATWS-1888	112.0	112.1	Left	256	50	0.3	OL	Road Crossing
	Erie	ATWS-3124	112.1	112.2	Left	371	50	0.4	ID,OL,RE	Bend Installation and Road Crossing
	Erie	ATWS-321	112.1	112.1	Right	213	75	0.4	ID,OL	Bend Installation and Road Crossing
	Erie	ATWS-1321	112.2	112.8	Right	3451	25	2.0	AG,FW,OL	Topsoil Segregation
	Erie	ATWS-4100	112.4	112.4	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-720	112.6	112.6	Left	308	25	0.2	AG	Bend Installation
	Erie	ATWS-3802	112.8	112.9	Right	470	50	0.5	AG,FW,OL	Wetland Crossing and Topsoil Segregation
	Erie	ATWS-807	113.0	113.1	Left	298	50	0.3	OL,RE	Bend Installation and Road, Waterbody and Wetland Crossing
	Erie	ATWS-296	113.0	113.1	Right	205	75	0.4	OL	Bend Installation and Road, Waterbody and Wetland Crossing
	Erie	ATWS-3452	113.1	113.1	Right	240	50	0.3	ID,OL,RE	Bend Installation and Road Crossing
	Erie	ATWS-295	113.1	113.1	Left	274	75	0.5	ID,OL,RE	Bend Installation and Road and Waterbody Crossing
	Erie	ATWS-3804	113.1	113.1	Right	159	25	0.1	OL,RE	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-3803	113.2	113.2	Left	129	75	0.2	FW	Waterbody and Wetland Crossing
	Erie	ATWS-809	113.3	113.5	Left	805	75	1.4	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Erie	ATWS-721	113.4	113.5	Right	236	25	0.1	AG	Bend Installation
	Erie	ATWS-3805	113.5	113.5	Right	161	50	0.2	AG	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-3806	113.5	113.5	Left	145	25	0.1	AG	Bend Installation
	Erie	ATWS-1322	113.5	113.8	Right	1223	25	0.7	AG	Topsoil Segregation
	Erie	ATWS-623	113.6	113.7	Left	354	25	0.2	AG	Bend Installation
	Erie	ATWS-241	113.8	113.8	Right	176	75	0.3	AG	Road Crossing
	Erie	ATWS-2975	113.8	113.8	Left	181	50	0.2	AG	Road Crossing
	Erie	ATWS-3807	113.8	113.8	Left	160	50	0.2	ID,FW	Road, Waterbody and Wetland Crossing
	Erie	ATWS-242	113.8	113.8	Right	159	50	0.2	ID,FW	Road, Waterbody and Wetland Crossing
	Erie	ATWS-4101	113.9	114.0	Right	489	50	0.6	AG,FW	Waterbody and Wetland Crossing
	Erie	ATWS-808	114.0	114.0	Left	215	25	0.1	AG	Bend Installation
	Erie	ATWS-1547	114.0	114.1	Right	491	75	0.8	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1323	114.1	114.2	Right	426	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-1548	114.2	114.2	Right	241	75	0.4	AG,FW	Bend Installation and Waterbody and Wetland Crossing and Topsoil Segregation
	Erie	ATWS-4102	114.2	114.2	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-1549	114.3	114.4	Right	598	25	0.3	AG,FW	Topsoil Segregation
	Erie	ATWS-1550	114.5	114.6	Right	286	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-2971	114.6	114.6	Left	202	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-297	114.6	114.6	Right	228	75	0.4	AG,ID	Road Crossing
	Erie	ATWS-722	114.6	114.7	Left	275	25	0.2	AG,ID,RE	Bend Installation
	Erie	ATWS-4103	114.6	114.6	Right	46	75	0.1	AG,ID	Road Crossing
	Erie	ATWS-521	114.6	114.7	Right	209	75	0.4	AG	Bend Installation and Road Crossing
	Erie	ATWS-1324	114.7	115.0	Right	1657	25	1.0	AG	Topsoil Segregation
	Erie	ATWS-243	115.0	115.0	Right	161	75	0.3	AG	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-2974	115.0	115.0	Left	189	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-244	115.0	115.0	Right	154	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-2976	115.0	115.0	Left	151	50	0.2	AG,ID,RE	Road Crossing
	Erie	ATWS-1551	115.0	115.2	Right	831	25	0.5	AG	Topsoil Segregation
	Erie	ATWS-3453	115.1	115.1	Left	303	25	0.2	AG	Bend Installation
	Erie	ATWS-3808	115.2	115.3	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1552	115.3	115.3	Right	498	75	0.9	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Erie	ATWS-1553	115.5	115.7	Right	1148	75	2.0	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Erie	ATWS-245	115.8	115.9	Right	291	75	0.5	AG,FW,OL	Rail and Waterbody Crossing
	Erie	ATWS-246	115.9	116.0	Right	312	75	0.5	FW,RE	Rail and Waterbody Crossing
	Erie	ATWS-247	116.2	116.3	Right	186	75	0.3	AG,OL	Road Crossing
	Erie	ATWS-248	116.3	116.4	Right	609	75	1.0	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-4393	116.3	116.3	Right	194	50	0.2	AG,OL	Remote Blow-off
	Erie	ATWS-3809	116.5	116.5	Right	153	25	0.1	FW	Rail Trail, Waterbody and Wetland Crossing
	Erie	ATWS-3810	116.5	116.5	Left	196	50	0.2	FW,OL	Rail Trail, Waterbody and Wetland Crossing
	Erie	ATWS-1968	116.5	116.6	Right	407	75	0.7	FW	Rail Trail, Waterbody and Wetland Crossing
	Erie	ATWS-810	116.7	116.8	Right	409	100	0.9	AG	HDD Entry Location
	Erie	ATWS-4382	116.9	116.9	Left	183	75	0.3	AG,FW,OL,OW	Access To Hydrostatic Test Water
	Erie	ATWS-2828	117.2	117.3	Left	390	25	0.2	AG	HDD Exit Location
	Erie	ATWS-811	117.2	117.3	Right	390	100	0.9	AG	HDD Exit Location
	Erie	ATWS-4104	117.3	117.4	Right	530	25	0.3	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-3812	117.3	117.4	Left	432	50	0.5	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1554	117.4	117.8	Right	1304	100	3.9	AG,FW,OL,OW	HDD Pull Back String
	Erie	ATWS-4106	117.4	117.5	Left	130	25	0.1	AG	Topsoil Segregation
	Erie	ATWS-3813	117.4	117.5	Right	267	25	0.2	AG	Bend Installation
	Erie	ATWS-4105	117.5	117.5	Left	200	50	0.2	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2767	117.5	117.6	Left	491	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-2765	117.6	117.6	Left	202	75	0.3	AG,OL	Waterbody Crossing
	Erie	ATWS-2766	117.6	117.7	Left	202	75	0.3	AG	Waterbody Crossing
	Erie	ATWS-2768	117.7	117.9	Left	1432	25	0.8	AG	Topsoil Segregation
	Erie	ATWS-3456	117.9	118.0	Left	313	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-3455	118.0	118.1	Left	358	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-2770	118.1	118.1	Right	175	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-249	118.1	118.1	Left	212	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-2769	118.1	118.2	Right	209	50	0.2	ID,OL,RE	Road and Existing Pipeline Crossing
	Erie	ATWS-250	118.1	118.2	Left	195	75	0.3	OL	Road and Existing Pipeline Crossing
	Erie	ATWS-3814	118.2	118.2	Right	211	25	0.1	OL	Topsoil Segregation
	Erie	ATWS-2772	118.3	118.4	Left	538	50	0.6	AG,OL	Bend Installation and Waterbody and Wetland Crossing
	Erie	ATWS-3815	118.3	118.4	Right	471	50	0.5	AG,OL	Bend Installation and Waterbody and Wetland Crossing
	Erie	ATWS-814	118.5	118.7	Left	1064	25	0.6	AG	Topsoil Segregation
	Erie	ATWS-2778	118.7	118.8	Left	174	75	0.3	AG,ID,OL	Road Crossing
	Erie	ATWS-2777	118.7	118.8	Left	212	75	0.4	AG,ID,OL	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-3816	118.9	119.0	Left	100	50	0.1	FW	Waterbody Crossing
	Erie	ATWS-3817	119.0	119.0	Left	118	50	0.1	AG,FW	Waterbody Crossing
	Erie	ATWS-2776	119.0	119.1	Left	665	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-2775	119.1	119.2	Left	312	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2773	119.2	119.2	Left	149	75	0.3	AG	Road Crossing
	Erie	ATWS-251	119.2	119.2	Right	165	75	0.3	AG	Road Crossing
	Erie	ATWS-2774	119.2	119.3	Left	206	75	0.4	AG,ID	Road Crossing
	Erie	ATWS-252	119.2	119.2	Right	193	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-2860	119.2	119.3	Right	514	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-3818	119.3	119.4	Left	300	25	0.2	AG	Bend Installation
	Erie	ATWS-2853	119.4	119.4	Right	193	50	0.2	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-2857	119.4	119.5	Left	453	25	0.3	AG,ID,OL	Bend Installation
	Erie	ATWS-2854	119.4	119.5	Right	434	125	1.2	AG,ID,OL	Road Crossing
	Erie	ATWS-2856	119.5	119.5	Left	275	75	0.5	AG,ID,OL	Road Crossing
	Erie	ATWS-2855	119.5	119.6	Right	447	125	1.3	AG,ID,OL	Road Crossing
	Erie	ATWS-2850	119.6	119.9	Right	1800	25	1.0	AG	Topsoil Segregation
	Erie	ATWS-2848	119.9	120.0	Right	134	75	0.2	AG	Waterbody Crossing
	Erie	ATWS-3819	120.0	120.0	Left	175	50	0.2	AG	Waterbody Crossing
	Erie	ATWS-2849	120.0	120.0	Right	200	75	0.3	AG	Waterbody Crossing
	Erie	ATWS-2851	120.0	120.1	Right	500	25	0.3	AG,OL	Topsoil Segregation
	Erie	ATWS-2852	120.1	120.2	Left	321	25	0.2	AG,OL	Bend Installation
	Erie	ATWS-1561	120.1	120.3	Right	1057	25	0.6	AG,OL	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-3820	120.3	120.4	Left	308	50	0.4	AG	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-2064	120.4	120.4	Right	205	75	0.4	AG,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3821	120.4	120.4	Left	121	50	0.1	FW,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-821	120.4	120.4	Right	186	75	0.3	ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3824	120.5	120.5	Left	161	50	0.2	OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3457	120.5	120.5	Right	148	75	0.3	OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3822	120.5	120.6	Left	175	75	0.3	AG,OL	Road and Wetland Crossing
	Erie	ATWS-3823	120.6	120.7	Left	499	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-1562	120.7	120.7	Right	376	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-2166	120.7	120.8	Right	475	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-819	120.7	120.8	Left	231	25	0.1	AG	Bend Installation
	Erie	ATWS-822	120.8	120.9	Right	269	75	0.5	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2979	120.8	120.9	Left	190	50	0.2	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2980	120.9	120.9	Left	252	50	0.3	AG	Road, Waterbody and Wetland Crossing
	Erie	ATWS-823	120.9	120.9	Right	173	75	0.3	AG	Road, Waterbody and Wetland Crossing
	Erie	ATWS-2825	120.9	121.0	Right	666	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-1563	121.0	121.1	Right	351	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4107	121.1	121.1	Left	201	25	0.1	AG	Bend Installation
	Erie	ATWS-3443	121.1	122.0	Right	4384	25	2.5	AG	Topsoil Segregation
	Erie	ATWS-3458	122.0	122.0	Right	157	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-256	122.0	122.1	Right	213	75	0.4	AG,OL	Road and Waterbody Crossing
	Erie	ATWS-257	122.1	122.1	Right	379	75	0.7	AG,ID,OL	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-825	122.1	122.2	Right	158	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-2181	122.2	122.5	Right	1706	25	1.0	AG	Topsoil Segregation
	Erie	ATWS-1966	122.5	123.0	Right	2816	25	1.6	AG	Topsoil Segregation
	Erie	ATWS-826	122.6	122.7	Left	694	25	0.4	AG	Bend Installation
	Erie	ATWS-827	122.7	122.8	Left	609	25	0.3	AG	Bend Installation
	Erie	ATWS-3459	123.0	123.1	Right	100	75	0.2	AG	Waterbody Crossing
	Erie	ATWS-3825	123.0	123.1	Left	87	50	0.1	AG	Waterbody Crossing
	Erie	ATWS-3826	123.1	123.1	Left	112	50	0.1	AG	Waterbody Crossing
	Erie	ATWS-3460	123.1	123.1	Right	101	75	0.2	AG	Waterbody Crossing
	Erie	ATWS-1565	123.1	123.2	Right	702	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-2984	123.2	123.2	Left	132	50	0.2	AG	Road Crossing
	Erie	ATWS-300	123.2	123.2	Right	136	75	0.2	AG	Road Crossing
	Erie	ATWS-2983	123.2	123.3	Left	139	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-258	123.2	123.3	Right	136	75	0.2	AG,ID	Road Crossing
	Erie	ATWS-1566	123.3	123.5	Right	1378	25	0.8	AG	Topsoil Segregation
	Erie	ATWS-4434	123.4	123.4	Left	34	25	0.0	FW,OL	Access To Hydrostatic Test Water
	Erie	ATWS-4433	123.4	123.4	Left	101	25	0.1	AG	Access To Hydrostatic Test Water
	Erie	ATWS-3827	123.5	123.6	Left	150	100	0.3	AG,FW,OL	Abandoned Rail and Wetland Crossing
	Erie	ATWS-301	123.5	123.6	Right	145	75	0.2	AG,FW	Abandoned Rail and Wetland Crossing and Topsoil Segregation
	Erie	ATWS-3828	123.6	123.6	Left	190	100	0.3	AG	Abandoned Rail and Wetland Crossing
	Erie	ATWS-302	123.6	123.6	Right	147	75	0.3	AG,OL	Abandoned Rail and Wetland Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-1567	123.6	124.0	Right	1998	25	1.1	AG	Topsoil Segregation
	Erie	ATWS-545	124.0	124.0	Right	120	75	0.2	AG	Road and Waterbody Crossing
	Erie	ATWS-3829	124.0	124.0	Left	100	85	0.2	AG	Road and Waterbody Crossing
	Erie	ATWS-3830	124.0	124.1	Left	122	50	0.1	AG	Road and Waterbody Crossing
	Erie	ATWS-546	124.0	124.1	Right	111	75	0.2	AG	Road and Waterbody Crossing
	Erie	ATWS-1568	124.1	124.8	Right	3773	25	2.2	AG	Topsoil Segregation
	Erie	ATWS-259	124.3	124.3	Left	304	25	0.2	AG	Bend Installation
	Erie	ATWS-260	124.8	124.8	Right	157	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-2988	124.8	124.8	Left	152	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-2989	124.8	124.8	Left	158	50	0.2	AG,ID	Road Crossing
	Erie	ATWS-261	124.8	124.9	Right	148	75	0.5	AG,ID	Road Crossing
	Erie	ATWS-4272	124.9	124.9	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-3831	124.9	124.9	Right	358	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1331	124.9	125.4	Right	2472	25	1.4	AG	Topsoil Segregation
	Erie	ATWS-3832	125.2	125.3	Left	300	25	0.2	AG	Bend Installation
	Erie	ATWS-4273	125.4	125.4	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-2182	125.4	125.7	Right	1515	25	0.9	AG	Topsoil Segregation
	Erie	ATWS-828	125.8	125.8	Right	101	75	0.2	AG	Road, Waterbody and Wetland Crossing
	Erie	ATWS-3833	125.8	125.8	Left	133	25	0.1	ID,RE	Road and Waterbody Crossing
	Erie	ATWS-829	125.9	125.9	Left	410	75	0.7	AG,OL	Road and Waterbody Crossing
	Erie	ATWS-2837	125.9	125.9	Right	122	75	0.2	OL	Road and Waterbody Crossing
	Erie	ATWS-2836	125.9	126.2	Right	1438	25	0.8	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-1570	126.1	126.1	Left	314	25	0.2	AG	Bend Installation
	Erie	ATWS-2835	126.2	126.2	Left	165	50	0.2	AG,ID,OL	Road Crossing
	Erie	ATWS-2834	126.2	126.3	Right	231	75	0.4	AG,ID,OL	Road Crossing
	Erie	ATWS-2833	126.2	126.3	Left	228	50	0.3	AG,ID,OL	Road Crossing
	Erie	ATWS-2832	126.3	126.3	Right	165	75	0.3	AG,ID,OL,RE	Road Crossing
	Erie	ATWS-3834	126.3	126.4	Left	432	25	0.2	AG	Topsoil Segregation
	Erie	ATWS-1571	126.4	126.6	Right	1389	25	0.8	AG	Topsoil Segregation
	Erie	ATWS-263	126.6	126.7	Right	169	75	0.3	AG	Road Crossing
	Erie	ATWS-2990	126.6	126.7	Left	221	50	0.3	AG,OL,RE	Road Crossing
	Erie	ATWS-264	126.7	126.7	Right	423	75	0.7	AG,ID	Road Crossing
	Erie	ATWS-2991	126.7	126.7	Left	369	75	0.6	AG,ID	Road Crossing
	Erie	ATWS-2183	126.7	126.8	Right	462	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-3461	126.8	126.9	Left	304	25	0.2	AG	Bend Installation
	Erie	ATWS-3836	126.8	127.0	Right	826	25	0.5	AG	Topsoil Segregation
	Erie	ATWS-3835	127.0	127.1	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4108	127.0	127.0	Left	200	25	0.1	AG	Bend Installation
	Erie	ATWS-1334	127.1	127.4	Right	1632	25	0.9	AG,OL	Topsoil Segregation
	Erie	ATWS-4274	127.3	127.4	Left	210	25	0.1	AG	Bend Installation
	Erie	ATWS-265	127.4	127.4	Right	178	75	0.3	AG	Waterbody Crossing
	Erie	ATWS-3462	127.4	127.4	Left	133	50	0.2	AG	Waterbody Crossing
	Erie	ATWS-3463	127.4	127.4	Left	195	50	0.2	AG,RE	Waterbody Crossing
	Erie	ATWS-266	127.4	127.4	Right	151	75	0.3	AG,RE	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-1572	127.4	127.6	Right	980	25	0.6	AG	Topsoil Segregation
	Erie	ATWS-832	127.6	127.7	Right	169	75	0.3	AG,ID,FW	Bend Installation and Road Crossing
	Erie	ATWS-267	127.7	127.7	Left	141	75	0.2	AG,ID,FW	Road Crossing
	Erie	ATWS-1574	127.7	127.9	Right	1216	25	0.7	AG,ID,OL,RE	Topsoil Segregation
	Erie	ATWS-268	127.7	127.7	Left	112	75	0.2	AG,ID,RE	Road Crossing
	Erie	ATWS-4109	127.7	127.7	Left	99	25	0.1	AG	Bend Installation
	Erie	ATWS-1965	127.8	127.9	Left	429	25	0.2	AG,OL	Bend Installation
	Erie	ATWS-3464	127.9	127.9	Left	91	50	0.1	AG,OL	Waterbody Crossing
	Erie	ATWS-835	127.9	127.9	Right	155	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-3837	127.9	128.0	Left	100	50	0.1	AG	Waterbody Crossing
	Erie	ATWS-834	127.9	128.0	Right	121	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-1332	128.0	128.1	Right	654	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-3838	128.1	128.1	Left	148	50	0.2	AG	Waterbody Crossing
	Erie	ATWS-2830	128.1	128.1	Right	165	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-1333	128.1	128.2	Right	543	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-837	128.2	128.2	Left	175	25	0.1	AG	Bend Installation and Waterbody Crossing
	Erie	ATWS-304	128.2	128.3	Right	397	125	1.1	AG	Rail and Road Crossing
	Erie	ATWS-2992	128.3	128.3	Left	96	50	0.1	AG	Rail and Road Crossing
	Erie	ATWS-305	128.4	128.4	Right	197	75	0.3	ID,FW	Rail and Road Crossing
	Erie	ATWS-1575	128.7	128.8	Right	302	25	0.1	AG,FW	Topsoil Segregation
	Erie	ATWS-4110	128.8	128.8	Right	42	75	0.1	AG,ID,OL	Road Crossing
	Erie	ATWS-4432	128.8	128.8	Right	184	45	0.2	AG,ID,OL	Cp Anode Bed Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-4431	128.8	128.8	Right	182	45	0.2	AG,ID	Cp Anode Bed Installation
	Erie	ATWS-307	128.9	128.9	Right	150	75	0.3	AG	Road Crossing
	Erie	ATWS-1576	128.9	129.2	Right	1645	25	0.9	AG	Topsoil Segregation
	Erie	ATWS-3465	129.2	129.2	Right	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-3466	129.3	129.3	Right	289	75	0.5	AG,OL	Waterbody Crossing and Topsoil Segregation
	Erie	ATWS-3839	129.3	129.4	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1289	129.4	130.0	Right	3237	25	1.9	AG	Topsoil Segregation
	Erie	ATWS-568	129.7	129.7	Left	305	25	0.2	AG	Bend Installation
	Erie	ATWS-3841	130.0	130.0	Right	153	50	0.2	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-308	130.0	130.1	Right	231	75	0.4	AG,ID,OL	Bend Installation and Road Crossing
	Erie	ATWS-309	130.1	130.1	Right	245	75	0.4	AG,ID	Road Crossing
	Erie	ATWS-1577	130.1	130.3	Right	915	25	0.5	AG	Topsoil Segregation
	Erie	ATWS-4111	130.2	130.3	Left	253	50	0.3	AG	Existing Pipeline Crossing
	Erie	ATWS-1963	130.3	130.4	Left	726	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-838	130.4	130.5	Left	313	50	0.4	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-1964	130.4	130.5	Right	535	25	0.3	AG	Topsoil Segregation
	Erie	ATWS-3467	130.5	130.6	Right	261	50	0.3	AG,RE	Bend Installation and Topsoil Segregation
	Erie	ATWS-4112	130.6	130.6	Left	228	25	0.1	AG,RE	Bend Installation
	Erie	ATWS-3843	130.6	130.7	Left	814	25	0.5	AG,RE	Topsoil Segregation
	Erie	ATWS-2074	130.7	130.8	Left	147	75	0.3	AG,ID	Road Crossing
	Erie	ATWS-310	130.8	130.8	Right	136	75	0.2	AG,ID,RE	Road Crossing
	Erie	ATWS-3842	130.8	130.8	Left	228	50	0.3	ID,FW	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Erie	ATWS-311	130.8	130.8	Right	141	50	0.2	ID,FW	Bend Installation and Road Crossing
	Erie	ATWS-4275	130.8	131.0	Right	754	25	0.4	AG	Topsoil Segregation
	Erie	ATWS-839	131.0	131.0	Left	264	50	0.3	AG	Bend Installation and Topsoil Segregation
	Erie	ATWS-4276	131.0	131.5	Left	2337	25	1.3	AG	Topsoil Segregation
	Sandusky/Erie	ATWS-2993	131.5	131.5	Left	228	75	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-3844	131.5	131.5	Left	148	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1579	131.5	132.6	Right	5666	25	3.3	AG	Topsoil Segregation
	Sandusky	ATWS-3845	131.8	131.9	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-566	132.6	132.7	Left	235	125	0.7	AG,OL	Road Crossing
	Sandusky	ATWS-567	132.6	132.7	Right	653	100	1.5	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-636	132.7	132.7	Right	215	50	0.2	AG	Bore Pull Back String
	Sandusky	ATWS-270	132.7	132.8	Right	395	75	0.7	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-637	132.7	132.8	Left	405	230	2.1	AG	Bend Installation and Road Crossing
	Sandusky	ATWS-1581	132.8	133.3	Right	2617	25	1.5	AG,OL	Topsoil Segregation
	Sandusky	ATWS-3847	133.3	133.3	Left	416	100	1.0	AG,OL	Road and Wetland Crossing
	Sandusky	ATWS-543	133.4	133.4	Left	250	50	0.3	AG,ID,RE	Road and Wetland Crossing
	Sandusky	ATWS-1580	133.4	133.5	Right	572	25	0.3	AG,ID	Topsoil Segregation
	Sandusky	ATWS-4113	133.4	133.4	Left	151	25	0.1	AG	Bend Installation
	Sandusky	ATWS-3513	133.5	133.5	Left	209	50	0.2	AG	Road Crossing
	Sandusky	ATWS-272	133.5	133.5	Right	165	75	0.3	AG	Road Crossing
	Sandusky	ATWS-273	133.5	133.6	Right	407	75	0.7	AG,ID	Road Crossing
	Sandusky	ATWS-2540	133.5	133.6	Left	209	50	0.2	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-1582	133.6	133.9	Right	1519	25	0.9	AG	Topsoil Segregation
	Sandusky	ATWS-3514	133.8	133.8	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-842	134.1	134.1	Right	166	75	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-2551	134.1	134.1	Left	171	50	0.2	AG,ID,OL	Road Crossing
	Sandusky	ATWS-1584	134.1	134.3	Right	610	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-503	134.3	134.3	Right	103	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-2994	134.3	134.3	Left	112	50	0.1	AG,OL	Waterbody Crossing
	Sandusky	ATWS-2995	134.3	134.3	Left	98	50	0.1	AG,OL	Waterbody Crossing
	Sandusky	ATWS-3510	134.3	134.6	Right	1514	25	0.9	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3515	134.6	134.6	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-4114	134.6	134.6	Left	200	25	0.1	AG	Bend Installation
	Sandusky	ATWS-1291	134.6	135.3	Right	3579	25	2.1	AG,FW	Topsoil Segregation
	Sandusky	ATWS-3516	134.7	134.8	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-2523	135.2	135.3	Left	589	25	0.3	AG	Bend Installation
	Sandusky	ATWS-2861	135.3	135.3	Right	96	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-843	135.3	135.3	Left	105	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-2862	135.3	135.4	Right	335	75	0.6	AG	Road and Waterbody Crossing
	Sandusky	ATWS-845	135.3	135.4	Left	324	50	0.4	AG,OL	Road and Waterbody Crossing
	Sandusky	ATWS-2865	135.4	135.4	Right	165	75	0.3	AG,ID	Road and Waterbody Crossing
	Sandusky	ATWS-846	135.4	135.4	Left	163	50	0.2	AG,ID	Road and Waterbody Crossing
	Sandusky	ATWS-3846	135.4	135.9	Right	2457	25	1.4	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3848	135.9	135.9	Left	225	75	0.4	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-847	136.0	136.0	Left	237	75	0.4	AG	Waterbody Crossing
	Sandusky	ATWS-3849	136.0	136.4	Right	2057	25	1.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-848	136.4	136.4	Left	143	50	0.2	AG	Road and Waterbody Crossing
	Sandusky	ATWS-2923	136.4	136.4	Right	144	75	0.2	AG	Road and Waterbody Crossing
	Sandusky	ATWS-849	136.4	136.4	Left	150	50	0.2	AG,ID,OL	Road and Waterbody Crossing
	Sandusky	ATWS-2922	136.4	136.4	Right	148	75	0.3	AG,ID,OL	Road and Waterbody Crossing
	Sandusky	ATWS-3851	136.4	136.9	Right	2247	25	1.3	AG	Topsoil Segregation
	Sandusky	ATWS-3850	136.9	136.9	Right	199	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1962	136.9	136.9	Left	205	50	0.2	AG,OL	Waterbody Crossing
	Sandusky	ATWS-2603	136.9	136.9	Left	106	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-3852	136.9	136.9	Right	100	50	0.1	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3853	136.9	137.4	Right	2321	25	1.3	AG	Topsoil Segregation
	Sandusky	ATWS-2998	137.4	137.4	Right	153	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2521	137.4	137.4	Left	146	50	0.2	AG,ID	Road Crossing
	Sandusky	ATWS-2999	137.4	137.5	Right	227	75	0.4	AG,ID	Bend Installation and Road and Wetland Crossing
	Sandusky	ATWS-2522	137.4	137.5	Left	497	50	0.6	AG,ID	Bend Installation and Road Crossing
	Sandusky	ATWS-3000	137.5	137.5	Right	231	75	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-3519	137.5	137.7	Left	829	50	1.0	AG,ID	Bend Installation and Road Crossing
	Sandusky	ATWS-3854	137.5	137.6	Right	494	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-1241	137.7	138.0	Left	1665	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-852	138.0	138.0	Left	172	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-853	138.0	138.1	Left	169	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-1240	138.1	138.2	Left	703	25	0.4	AG	Topsoil Segregation
	Sandusky	ATWS-3520	138.2	138.3	Left	678	75	1.2	AG	Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1242	138.4	138.6	Left	602	25	0.3	AG,FW	Topsoil Segregation
	Sandusky	ATWS-855	138.6	138.6	Left	174	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-3521	138.6	138.6	Left	186	75	0.3	ID,OL	Road and Wetland Crossing
	Sandusky	ATWS-3522	138.6	138.6	Right	166	25	0.1	OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-856	138.7	138.7	Left	470	75	0.8	AG,FW	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3524	138.7	138.8	Left	292	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-3523	138.8	138.9	Left	300	50	0.3	AG,OL	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-1243	138.9	139.0	Left	954	25	0.5	AG	Topsoil Segregation
	Sandusky	ATWS-3856	139.0	139.1	Right	225	50	0.3	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-3525	139.0	139.1	Left	125	75	0.2	AG	Waterbody and Wetland Crossing
	Sandusky	ATWS-3855	139.1	139.1	Right	86	50	0.1	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-857	139.1	139.1	Left	95	75	0.2	AG,OL	Waterbody and Wetland Crossing
	Sandusky	ATWS-1589	139.1	139.2	Left	717	25	0.4	AG,OL	Topsoil Segregation
	Sandusky	ATWS-858	139.1	139.2	Right	304	25	0.2	AG,OL	Bend Installation
	Sandusky	ATWS-553	139.2	139.3	Left	367	75	0.6	AG	Road and Wetland Crossing
	Sandusky	ATWS-2838	139.2	139.3	Right	230	75	0.4	AG,ID	Road and Wetland Crossing
	Sandusky	ATWS-2839	139.3	139.4	Right	438	75	0.8	AG,ID	Road and Wetland Crossing
	Sandusky	ATWS-313	139.3	139.4	Left	213	75	0.4	AG,ID	Road and Wetland Crossing
	Sandusky	ATWS-3527	139.4	139.4	Left	277	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3526	139.4	139.5	Left	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-3528	139.5	139.6	Left	589	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-859	139.6	139.6	Left	159	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-860	139.6	139.7	Left	163	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1591	139.7	139.8	Left	486	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-861	139.8	139.8	Left	261	75	0.4	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1592	139.9	140.0	Left	333	75	0.6	AG,FW	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1593	140.0	140.1	Left	741	25	0.4	AG	Topsoil Segregation
	Sandusky	ATWS-862	140.1	140.1	Left	170	75	0.3	AG	Road Crossing
	Sandusky	ATWS-863	140.1	140.2	Left	164	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-3534	140.2	140.2	Left	122	25	0.1	AG	Topsoil Segregation
	Sandusky	ATWS-3533	140.2	140.3	Left	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-1244	140.3	140.5	Left	1195	25	0.7	AG	Topsoil Segregation
	Sandusky	ATWS-3529	140.5	140.5	Left	165	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3530	140.5	140.5	Right	129	25	0.1	AG,FW	Waterbody Crossing
	Sandusky	ATWS-3531	140.5	140.6	Left	149	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-2874	140.6	140.6	Right	227	25	0.1	AG	Bend Installation
	Sandusky	ATWS-315	140.6	140.7	Left	511	50	0.6	AG	Bend Installation and Road Crossing
	Sandusky	ATWS-1594	140.6	140.7	Right	317	75	0.5	AG	Road Crossing
	Sandusky	ATWS-2506	140.7	140.8	Left	654	50	0.8	AG,ID	Road Crossing
	Sandusky	ATWS-2280	140.7	140.7	Right	317	75	0.5	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3857	140.8	140.8	Left	127	50	0.1	AG,ID	Road and Existing Pipeline Crossing
	Sandusky	ATWS-2829	140.8	140.9	Right	449	75	0.8	AG	Road and Existing Pipeline Crossing
	Sandusky	ATWS-3858	140.8	140.9	Left	203	50	0.2	AG	Existing Pipeline Crossing
	Sandusky	ATWS-1961	140.9	141.1	Right	1328	25	0.8	AG	Topsoil Segregation
	Sandusky	ATWS-3535	141.1	141.2	Left	179	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-864	141.1	141.2	Right	265	75	0.5	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-2507	141.2	141.3	Left	532	50	0.6	AG	Waterbody Crossing and Road Crossing
	Sandusky	ATWS-865	141.2	141.3	Right	534	75	0.9	AG	Waterbody Crossing and Road Crossing
	Sandusky	ATWS-2508	141.3	141.3	Left	265	50	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2281	141.3	141.3	Right	158	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1246	141.3	141.6	Right	1249	25	0.7	AG	Topsoil Segregation
	Sandusky	ATWS-3859	141.6	141.6	Right	157	100	0.4	AG,ID,OL	Road and Wetland Crossing
	Sandusky	ATWS-2509	141.6	141.6	Left	220	50	0.3	AG	Road and Wetland Crossing
	Sandusky	ATWS-866	141.6	141.7	Right	480	75	0.8	AG,ID,FW,OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-2510	141.6	141.7	Left	265	50	0.3	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-3537	141.7	141.8	Left	329	50	0.4	AG,FW	Waterbody Crossing
	Sandusky	ATWS-868	141.7	141.8	Right	283	75	0.5	AG,FW	Waterbody Crossing
	Sandusky	ATWS-1595	141.8	141.8	Right	392	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-2511	141.8	141.9	Left	183	50	0.2	AG,OL	Road Crossing
	Sandusky	ATWS-870	141.8	141.9	Right	291	75	0.5	AG,OL	Road Crossing
	Sandusky	ATWS-2518	141.9	141.9	Left	263	50	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-869	141.9	141.9	Right	155	75	0.3	AG,ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-1248	141.9	142.6	Right	3861	25	2.2	AG	Topsoil Segregation
	Sandusky	ATWS-3538	142.3	142.4	Left	299	25	0.2	AG	Bend Installation
	Sandusky	ATWS-323	142.6	142.7	Right	167	75	0.3	AG	Road and Waterbody Crossing
	Sandusky	ATWS-2519	142.7	142.7	Left	226	50	0.3	AG	Road and Waterbody Crossing
	Sandusky	ATWS-324	142.7	142.8	Right	335	75	0.6	AG,ID	Road and Waterbody Crossing
	Sandusky	ATWS-2520	142.7	142.8	Left	203	50	0.2	AG,ID	Road and Waterbody Crossing
	Sandusky	ATWS-1596	142.8	143.0	Right	1135	25	0.7	AG	Topsoil Segregation
	Sandusky	ATWS-3539	143.0	143.0	Left	93	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-872	143.0	143.0	Right	127	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3540	143.0	143.0	Left	142	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-873	143.0	143.0	Right	102	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1597	143.0	143.2	Right	986	25	0.6	AG	Topsoil Segregation
	Sandusky	ATWS-2478	143.2	143.2	Left	155	100	0.4	AG,OL	Road Crossing
	Sandusky	ATWS-325	143.2	143.2	Right	189	75	0.3	AG,OL	Road Crossing
	Sandusky	ATWS-2477	143.3	143.3	Left	360	100	0.6	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-326	143.3	143.3	Right	306	75	0.5	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-3542	143.3	143.4	Right	95	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3541	143.3	143.4	Left	92	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-1247	143.4	143.7	Right	1719	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-3543	143.5	143.5	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-3545	143.7	143.7	Left	180	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-3546	143.7	143.7	Right	200	75	0.3	AG	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3544	143.7	143.8	Left	200	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-599	143.7	143.8	Right	138	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1601	143.8	143.9	Right	710	25	0.4	AG	Topsoil Segregation
	Sandusky	ATWS-2291	143.9	143.9	Left	184	100	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-386	143.9	143.9	Right	185	75	0.3	AG	Road Crossing
	Sandusky	ATWS-2292	143.9	144.0	Left	246	50	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-387	144.0	144.0	Right	179	75	0.3	AG	Road Crossing
	Sandusky	ATWS-1602	144.0	144.4	Right	2175	25	1.2	AG	Topsoil Segregation
	Sandusky	ATWS-389	144.4	144.4	Right	202	75	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-2403	144.4	144.4	Left	158	50	0.2	AG	Road Crossing
	Sandusky	ATWS-2402	144.4	144.5	Left	236	50	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-388	144.4	144.5	Right	196	75	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-3860	144.5	144.6	Right	767	25	0.4	AG	Topsoil Segregation
	Sandusky	ATWS-1603	144.6	144.8	Right	395	125	1.1	AG	Bend Installation and Road Crossing
	Sandusky	ATWS-2524	144.6	144.8	Left	742	75	1.3	AG	Bend Installation and Road Crossing
	Sandusky	ATWS-2525	144.8	144.9	Left	185	100	0.4	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-3038	144.8	144.9	Right	740	125	2.1	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-3547	144.9	145.0	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-4278	144.9	145.0	Left	200	25	0.1	AG	Bend Installation
	Sandusky	ATWS-2526	145.0	145.2	Right	1239	25	0.7	AG	Topsoil Segregation
	Sandusky	ATWS-2472	145.1	145.6	Left	2012	100	4.7	AG	HDD Pull Back String
	Sandusky	ATWS-3549	145.1	145.2	Left	415	50	0.5	AG,ID,OL	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3037	145.2	145.2	Right	140	75	0.2	AG	Road Crossing
	Sandusky	ATWS-3079	145.2	145.2	Right	6	75	0.0	ID	Road Crossing
	Sandusky	ATWS-3035	145.2	145.3	Right	183	75	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-2530	145.2	145.3	Left	179	40	0.2	AG,ID,OL,RE	Road Crossing
	Sandusky	ATWS-3036	145.3	145.4	Right	405	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-3550	145.4	145.4	Right	301	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-4115	145.4	145.4	Left	200	25	0.1	AG	Bend Installation
	Sandusky	ATWS-2531	145.4	145.6	Right	1114	25	0.6	AG	Topsoil Segregation
	Sandusky	ATWS-2553	145.6	145.7	Left	257	210	1.2	AG	HDD Exit Location
	Sandusky	ATWS-3684	145.6	145.7	Right	460	125	1.3	AG	HDD Exit Location
	Sandusky	ATWS-2474	146.1	146.1	Right	322	125	0.9	AG	HDD Entry Location
	Sandusky	ATWS-4353	146.1	146.1	Left	163	25	0.1	AG	HDD Entry Location
	Sandusky	ATWS-3863	146.1	146.2	Left	157	50	0.2	AG,ID	Road and Wetland Crossing
	Sandusky	ATWS-3862	146.1	146.2	Right	155	75	0.3	AG	Road and Wetland Crossing
	Sandusky	ATWS-3861	146.1	146.2	Right	79	25	0.0	AG	Road and Wetland Crossing
	Sandusky	ATWS-2475	146.2	146.2	Left	155	50	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-3864	146.2	146.2	Right	128	75	0.2	ID,OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-2882	146.4	146.5	Right	696	25	0.4	AG,ID	Topsoil Segregation
	Sandusky	ATWS-3551	146.4	146.5	Left	515	50	0.6	AG,ID	Bend Installation and Road Crossing
	Sandusky	ATWS-2884	146.5	146.5	Left	186	50	0.2	AG,ID,OL	Road Crossing
	Sandusky	ATWS-3554	146.5	146.5	Right	185	75	0.3	AG,ID,OL	Road Crossing
	Sandusky	ATWS-4118	146.5	146.7	Right	766	25	0.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3556	146.6	146.7	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-4117	146.7	146.7	Right	119	75	0.2	AG	Topsoil Segregation and Waterbody Crossing
	Sandusky	ATWS-4116	146.7	146.7	Left	184	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-4119	146.7	146.7	Right	100	75	0.2	AG,OL	Topsoil Segregation and Waterbody Crossing
	Sandusky	ATWS-2885	146.7	147.1	Right	2032	25	1.2	AG	Topsoil Segregation
	Sandusky	ATWS-3865	147.1	147.2	Left	309	100	0.7	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-3557	147.1	147.2	Right	492	125	1.4	AG,OL	Bend Installation and Road Crossing
	Sandusky	ATWS-3559	147.2	147.3	Left	397	100	0.9	AG,OL	Bend Installation and Road and Wetland Crossing
	Sandusky	ATWS-3558	147.2	147.3	Right	386	125	1.1	AG,OL	Road and Wetland Crossing
	Sandusky	ATWS-2889	147.3	147.4	Right	440	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-3560	147.4	147.4	Right	283	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-4120	147.4	147.4	Left	184	25	0.1	AG	Bend Installation
	Sandusky	ATWS-880	147.4	147.5	Left	148	50	0.2	AG,RE	Road, Waterbody and Existing Pipeline Crossing
	Sandusky	ATWS-505	147.4	147.5	Right	178	75	0.3	AG,ID	Road, Waterbody and Existing Pipeline Crossing
	Sandusky	ATWS-2890	147.5	147.5	Left	259	50	0.3	AG,ID	Road and Waterbody Crossing
	Sandusky	ATWS-504	147.5	147.5	Right	187	75	0.3	AG	Road and Waterbody Crossing
	Sandusky	ATWS-1605	147.5	147.6	Right	134	25	0.1	AG	Topsoil Segregation
	Sandusky	ATWS-392	147.6	147.6	Right	200	100	0.5	AG	Rail and Waterbody Crossing
	Sandusky	ATWS-3561	147.6	147.6	Left	205	75	0.4	AG	Rail and Waterbody Crossing
	Sandusky	ATWS-3562	147.6	147.7	Left	200	75	0.3	AG	Rail and Waterbody Crossing
	Sandusky	ATWS-393	147.6	147.7	Right	178	75	0.3	AG	Rail and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3564	147.7	147.7	Right	112	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3563	147.7	147.7	Left	165	50	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3566	147.7	147.8	Right	167	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3565	147.7	147.8	Left	109	50	0.1	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1606	147.8	148.1	Right	1678	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-4121	148.1	148.1	Left	125	25	0.1	AG	Existing Pipeline Crossing
	Sandusky	ATWS-4279	148.1	148.2	Right	506	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-394	148.2	148.3	Right	376	75	0.6	AG	Bend Installation and Road Crossing
	Sandusky	ATWS-4122	148.2	148.2	Left	151	25	0.1	AG	Bend Installation
	Sandusky	ATWS-3568	148.2	148.3	Left	199	50	0.2	AG,OL	Road Crossing
	Sandusky	ATWS-3569	148.3	148.3	Left	212	50	0.2	AG,ID,OL	Road Crossing
	Sandusky	ATWS-395	148.3	148.3	Right	211	75	0.4	AG,ID,OL	Road Crossing
	Sandusky	ATWS-2466	148.3	148.7	Right	2285	25	1.3	AG	Topsoil Segregation
	Sandusky	ATWS-3570	148.7	148.8	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3571	148.7	148.8	Left	100	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-3572	148.8	148.8	Right	100	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3573	148.8	148.8	Left	100	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-1608	148.8	149.3	Right	2945	25	1.7	AG	Topsoil Segregation
	Sandusky	ATWS-882	149.3	149.4	Left	143	50	0.2	AG	Waterbody Crossing
	Sandusky	ATWS-2569	149.3	149.4	Right	120	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-881	149.4	149.4	Right	153	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3574	149.4	149.4	Left	166	50	0.2	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-1609	149.4	149.6	Right	974	25	0.6	AG	Topsoil Segregation
	Sandusky	ATWS-3575	149.4	149.5	Left	300	25	0.2	AG	Bend Installation
	Sandusky	ATWS-883	149.6	149.6	Right	162	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2981	149.6	149.6	Left	174	50	0.2	AG,ID	Road Crossing
	Sandusky	ATWS-884	149.6	149.7	Right	187	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2982	149.6	149.7	Left	172	50	0.2	AG,ID	Road Crossing
	Sandusky	ATWS-1251	149.7	150.3	Right	3129	25	1.8	AG,ID,RE	Topsoil Segregation
	Sandusky	ATWS-330	150.2	150.3	Left	179	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2891	150.3	150.3	Right	184	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-331	150.3	150.3	Left	182	50	0.2	AG,ID	Road Crossing
	Sandusky	ATWS-1659	150.3	150.5	Right	1163	25	0.7	AG	Topsoil Segregation
	Sandusky	ATWS-3576	150.5	150.6	Right	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-4280	150.5	150.6	Left	200	25	0.1	AG	Bend Installation
	Sandusky	ATWS-1660	150.6	150.7	Right	539	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-332	150.7	150.7	Right	195	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-2986	150.7	150.7	Left	167	25	0.1	AG,ID	Road Crossing
	Sandusky	ATWS-2985	150.7	150.8	Left	183	25	0.1	AG,ID	Road Crossing
	Sandusky	ATWS-333	150.7	150.8	Right	155	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1610	150.8	151.1	Right	1783	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-506	151.1	151.1	Right	126	75	0.2	AG	Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-2987	151.1	151.1	Right	107	75	0.2	AG	Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1250	151.1	151.2	Right	286	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-527	151.2	151.3	Right	346	125	1.0	AG	Rails To Trails and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-528	151.3	151.4	Right	173	75	0.3	AG	Rails To Trails and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-4281	151.4	151.4	Right	400	125	1.1	AG	Rails To Trails and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1957	151.4	151.5	Right	296	25	0.2	AG,OL	Topsoil Segregation
	Sandusky	ATWS-1611	151.6	151.7	Right	496	25	0.3	AG,FW	Topsoil Segregation
	Sandusky	ATWS-334	151.7	151.7	Right	205	75	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-335	151.7	151.8	Right	216	75	0.4	AG,ID,FW	Road Crossing
	Sandusky	ATWS-1252	151.9	152.2	Right	1696	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-628	152.2	152.2	Right	274	75	0.5	AG,FW	Wetland Crossing
	Sandusky	ATWS-1253	152.3	152.7	Right	2147	25	1.2	AG,FW,OL	Topsoil Segregation
	Sandusky	ATWS-336	152.7	152.7	Right	236	75	0.4	ID,OL	Road Crossing
	Sandusky	ATWS-337	152.7	152.8	Right	206	75	0.4	AG	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-1612	152.8	153.2	Right	2194	25	1.3	AG	Topsoil Segregation
	Sandusky	ATWS-1662	153.2	153.2	Right	200	75	0.3	AG,FW	Waterbody Crossing and Wetland Crossing
	Sandusky	ATWS-1661	153.4	153.4	Right	180	75	0.3	OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-1613	153.4	153.7	Right	1625	25	0.9	AG,OL	Topsoil Segregation
	Sandusky	ATWS-338	153.7	153.8	Right	216	75	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-339	153.8	153.8	Right	172	75	0.3	AG,ID,OL,OW	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-1614	153.8	153.9	Right	361	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-891	153.9	153.9	Right	405	50	0.5	AG	Bend Installation and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-4123	153.9	153.9	Left	125	50	0.1	AG	Existing Pipeline Crossing
	Sandusky	ATWS-2892	153.9	154.0	Right	288	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-600	154.0	154.2	Right	827	25	0.5	AG	Topsoil Segregation
	Sandusky	ATWS-340	154.2	154.2	Right	531	125	1.5	AG,ID,RE	Bend Installation and Road Crossing
	Sandusky	ATWS-892	154.2	154.2	Left	378	50	0.4	AG,ID	Bend Installation and Road Crossing
	Sandusky	ATWS-341	154.2	154.3	Right	284	125	0.8	AG,ID,RE	Bend Installation and Road Crossing
	Sandusky	ATWS-1954	154.2	154.3	Left	504	50	0.6	AG,ID	Bend Installation and Road Crossing
	Sandusky	ATWS-1615	154.3	154.4	Right	478	25	0.3	AG,RE	Topsoil Segregation
	Sandusky	ATWS-4363	154.4	154.4	Left	100	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-342	154.4	154.4	Right	114	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-3580	154.4	154.5	Left	118	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-671	154.5	154.5	Right	124	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1616	154.5	154.6	Right	554	25	0.3	AG	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-4124	154.6	154.7	Right	489	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-1953	154.7	154.7	Left	325	50	0.4	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-617	154.7	154.7	Right	199	75	0.3	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-343	154.7	154.8	Right	322	75	0.6	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-3001	154.7	154.8	Left	211	50	0.2	AG,ID	Road Crossing and Waterbody Crossing
	Sandusky	ATWS-1256	154.8	155.1	Right	1852	25	1.1	AG	Topsoil Segregation
	Sandusky	ATWS-601	155.1	155.2	Left	325	50	0.4	AG,OL	Waterbody Crossing
	Sandusky	ATWS-2894	155.1	155.2	Right	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-2893	155.2	155.2	Right	285	75	0.5	AG,OL	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-529	155.2	155.2	Left	124	50	0.1	AG,OL	Waterbody Crossing
	Sandusky	ATWS-2171	155.2	155.3	Right	374	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-1617	155.3	155.6	Right	1244	25	0.7	AG,OL	Topsoil Segregation
	Sandusky	ATWS-885	155.6	155.6	Right	90	35	0.0	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-4282	155.6	155.7	Left	412	25	0.2	AG,FW	Bend Installation
	Sandusky	ATWS-4414	155.6	155.7	Right	110	50	0.1	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-1618	155.7	155.9	Right	1441	25	0.8	AG,ID,RE	Topsoil Segregation
	Sandusky	ATWS-886	155.8	155.9	Left	584	50	0.7	AG,ID,RE	Bend Installation and Road Crossing
	Sandusky	ATWS-2896	155.9	156.0	Left	417	50	0.5	AG	Bend Installation and Road and Waterbody Crossing
	Sandusky	ATWS-669	155.9	156.0	Right	261	75	0.4	AG	Bend Installation and Road and Waterbody Crossing
	Sandusky	ATWS-1257	156.0	156.1	Right	509	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-1952	156.1	156.1	Left	228	50	0.3	AG	Existing Pipeline Crossing
	Sandusky	ATWS-2879	156.1	156.1	Right	114	50	0.1	AG	Existing Pipeline Crossing
	Sandusky	ATWS-2880	156.1	156.2	Right	225	50	0.3	AG	Existing Pipeline Crossing
	Sandusky	ATWS-1951	156.1	156.2	Left	112	50	0.1	AG	Existing Pipeline Crossing
	Sandusky	ATWS-2881	156.2	156.2	Right	398	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-1664	156.2	156.3	Right	404	75	0.7	AG,FW	Bend Installation and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-887	156.2	156.3	Left	264	50	0.3	AG,FW	Bend and Wetland Crossing
	Sandusky	ATWS-888	156.5	156.6	Left	465	50	0.5	AG,FW	Bend Installation and Waterbody Crossing
	Sandusky	ATWS-1255	156.5	156.6	Right	469	75	0.8	AG,FW	Bend Installation and Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-4364	156.6	156.6	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-4365	156.6	156.6	Left	100	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-1950	156.6	156.8	Right	1369	25	0.8	AG	Topsoil Segregation
	Sandusky	ATWS-4366	156.8	156.9	Left	106	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-889	156.8	156.9	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-890	156.9	156.9	Right	101	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-4367	156.9	156.9	Left	100	50	0.1	AG	Waterbody Crossing
	Sandusky	ATWS-1254	156.9	157.1	Right	927	25	0.5	AG	Topsoil Segregation
	Sandusky	ATWS-893	157.1	157.1	Right	288	75	0.5	AG,ID,OL	Road Crossing
	Sandusky	ATWS-2996	157.1	157.1	Left	128	50	0.1	AG,ID,OL	Road and Wetland Crossing
	Sandusky	ATWS-895	157.1	157.3	Right	670	75	1.2	AG,ID,FW	Road and Wetland Crossing
	Sandusky	ATWS-2997	157.1	157.2	Left	158	50	0.2	AG	Road and Wetland Crossing
	Sandusky	ATWS-4125	157.6	157.6	Right	152	75	0.2	ID,FW	Road and Wetland Crossing
	Sandusky	ATWS-2877	157.6	157.7	Right	154	75	0.3	AG,ID,RE	Road and Wetland Crossing
	Sandusky	ATWS-2878	157.7	157.7	Right	100	25	0.1	AG	Topsoil Segregation
	Sandusky	ATWS-2876	157.7	157.8	Right	341	75	0.6	AG,OL,RE	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Sandusky	ATWS-1258	157.7	157.8	Left	284	50	0.3	AG	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Sandusky	ATWS-554	157.8	157.8	Left	181	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-555	157.8	157.9	Left	411	75	0.7	AG,FW,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-4127	158.1	158.2	Right	235	25	0.1	FW,OL	Road and Wetland Crossing
	Sandusky	ATWS-1948	158.1	158.2	Left	170	75	0.3	ID,FW	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-347	158.2	158.2	Left	289	75	0.5	AG,ID,FW,OL	Road and Wetland Crossing
	Sandusky	ATWS-4128	158.2	158.2	Right	218	25	0.1	FW,OL	Road and Wetland Crossing
	Sandusky	ATWS-1259	158.2	158.5	Left	1479	25	0.8	AG	Topsoil Segregation
	Sandusky	ATWS-348	158.5	158.6	Left	420	125	1.2	AG,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-4129	158.6	158.6	Right	126	25	0.1	OL	Waterbody and Wetland Crossing
	Sandusky	ATWS-899	158.6	158.7	Left	410	75	0.7	AG,OL	Waterbody Crossing
	Sandusky	ATWS-4130	158.7	158.8	Left	375	125	1.1	AG,OL	Road, Waterbody and Wetland Crossing
	Sandusky	ATWS-1260	158.8	159.0	Left	888	25	0.5	AG	Topsoil Segregation
	Sandusky	ATWS-901	159.0	159.0	Left	189	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-900	159.0	159.0	Left	156	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1941	159.0	159.4	Left	1775	25	1.0	AG	Topsoil Segregation
	Sandusky	ATWS-1943	159.4	159.4	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Sandusky	ATWS-349	159.4	159.4	Left	269	125	0.8	AG,OL	Bend Installation and Rail Crossing
	Sandusky	ATWS-902	159.4	159.5	Left	390	125	1.1	FW	Rail Crossing
	Sandusky	ATWS-3587	159.5	159.6	Left	261	25	0.2	FW,OL	Bend Installation
	Sandusky	ATWS-904	159.7	159.7	Left	150	75	0.3	FW	Road Crossing
	Sandusky	ATWS-903	159.7	159.8	Left	680	75	1.2	AG,ID,FW	Road and Wetland Crossing
	Sandusky	ATWS-350	160.2	160.3	Left	376	125	1.1	OL	Road Crossing
	Sandusky	ATWS-4357	160.2	160.3	Left	15	75	0.0	AG,ID	Road Crossing
	Sandusky	ATWS-351	160.3	160.3	Left	325	75	0.6	AG	Road Crossing
	Sandusky	ATWS-1262	160.3	160.6	Left	1597	25	0.9	AG	Road Crossing
	Sandusky	ATWS-3672	160.6	160.7	Left	278	75	0.5	AG	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-3671	160.8	160.9	Left	168	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1939	160.9	161.0	Left	1013	25	0.6	AG	Topsoil Segregation
	Sandusky	ATWS-352	161.0	161.1	Left	250	75	0.4	AG,ID	Road Crossing
	Sandusky	ATWS-353	161.1	161.1	Left	201	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-1263	161.1	161.2	Left	584	25	0.3	AG	Topsoil Segregation
	Sandusky	ATWS-530	161.2	161.3	Left	122	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-531	161.3	161.3	Left	124	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Sandusky	ATWS-1938	161.3	161.8	Left	2455	25	1.4	AG	Topsoil Segregation
	Sandusky	ATWS-906	161.8	161.8	Left	292	50	0.3	AG	Bend Installation and Topsoil Segregation
	Sandusky	ATWS-2174	161.8	161.9	Left	282	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-3670	161.9	161.9	Right	170	50	0.2	AG,OW	Road and Waterbody Crossing
	Sandusky	ATWS-907	161.9	161.9	Left	155	75	0.3	AG,OL,OW	Road and Waterbody Crossing
	Sandusky	ATWS-908	161.9	162.0	Left	175	75	0.3	AG,ID	Road Crossing
	Sandusky	ATWS-3609	161.9	162.0	Right	157	50	0.2	AG,ID	Road Crossing
	Sandusky	ATWS-1937	162.0	162.3	Left	1775	25	1.0	AG,OL	Topsoil Segregation
	Sandusky	ATWS-4352	162.0	162.3	Left	1537	100	3.5	AG,OL	HDD Pull Back String
	Sandusky	ATWS-915	162.3	162.4	Left	270	200	1.2	AG,OL	HDD Exit Location
	Sandusky	ATWS-3579	162.3	162.4	Right	448	75	0.8	AG,ID,OL	HDD Exit Location
	Sandusky	ATWS-4132	162.6	162.7	Right	503	100	1.2	AG,ID	HDD Entry Location
	Sandusky	ATWS-4133	162.6	162.7	Left	534	50	0.6	AG,ID	HDD Entry Location
	Sandusky	ATWS-4134	162.7	162.9	Right	823	60	1.1	AG	Wetland Crossing Drag Section
	Sandusky	ATWS-1934	162.7	162.9	Left	725	25	0.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Sandusky	ATWS-4135	162.8	162.8	Right	61	60	0.1	AG	Access To Wetland Crossing Drag Section
	Sandusky	ATWS-354	163.0	163.0	Right	163	125	0.5	OL	Road, Wetland and Existing Pipeline Crossing
	Sandusky	ATWS-4136	163.1	163.1	Right	200	100	0.5	AG	Road and Wetland Crossing
	Sandusky	ATWS-1265	163.1	163.2	Right	317	25	0.2	AG	Topsoil Segregation
	Sandusky	ATWS-3471	163.2	163.2	Right	190	50	0.2	AG	Existing Pipeline Crossing
	Sandusky	ATWS-918	163.2	163.3	Right	219	50	0.3	AG	Existing Pipeline Crossing
	Sandusky	ATWS-1267	163.5	163.6	Right	449	75	0.8	AG	Wetland Crossing and Topsoil Segregation
	Sandusky	ATWS-920	163.6	163.7	Right	246	180	1.0	AG,OL,RE	Bend Installation and Road and Wetland Crossing
	Wood	ATWS-921	163.7	163.8	Left	440	75	0.8	AG,ID,OL	Road, Waterbody and Wetland Crossing
	Wood	ATWS-4137	163.7	163.8	Right	159	75	0.3	OL	Waterbody and Existing Pipeline Crossing
	Wood	ATWS-923	163.8	163.9	Right	148	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Wood	ATWS-3581	163.8	163.8	Left	108	50	0.1	AG,OL	Waterbody Crossing
	Wood	ATWS-1271	163.9	164.0	Right	688	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-2244	164.0	164.1	Right	583	25	0.3	AG	Topsoil Segregation
	Wood	ATWS-2245	164.1	164.2	Right	665	25	0.4	AG,FW	Topsoil Segregation
	Wood	ATWS-2246	164.2	164.3	Right	375	25	0.2	AG	Topsoil Segregation
	Wood	ATWS-2220	164.3	164.4	Right	329	50	0.4	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-4138	164.3	164.4	Left	200	25	0.1	AG	Bend Installation
	Wood	ATWS-2224	164.4	164.4	Right	175	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-924	164.4	164.5	Right	193	75	0.3	AG,ID,OL	Road Crossing
	Wood	ATWS-3583	164.4	164.5	Left	231	50	0.3	AG,ID,OL	Road Crossing
	Wood	ATWS-2223	164.5	164.5	Right	172	75	0.3	FW,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-3582	164.5	164.5	Left	135	50	0.2	ID,OL	Road Crossing
	Wood	ATWS-3193	164.6	164.6	Left	319	25	0.2	FW,OL	Bend Installation
	Wood	ATWS-1273	164.7	164.7	Left	151	50	0.2	AG,FW	Waterbody and Wetland Crossing
	Wood	ATWS-356	164.8	164.9	Left	477	75	0.8	ID,FW	Road and Wetland Crossing
	Wood	ATWS-357	165.0	165.0	Left	220	75	0.4	AG,ID,OL	Road Crossing
	Wood	ATWS-1933	165.0	165.4	Left	2116	25	1.2	AG,OL	Topsoil Segregation
	Wood	ATWS-926	165.4	165.5	Left	290	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1932	165.5	165.5	Left	121	75	0.2	AG	Wetland and Existing Pipeline Crossing
	Wood	ATWS-3604	165.5	165.5	Right	133	50	0.2	AG	Wetland and Existing Pipeline Crossing and Topsoil Segregation
	Wood	ATWS-933	165.5	165.5	Left	104	75	0.2	AG	Wetland and Existing Pipeline Crossing
	Wood	ATWS-3584	165.5	165.5	Right	95	50	0.1	AG	Wetland and Existing Pipeline Crossing and Topsoil Segregation
	Wood	ATWS-4140	165.5	165.5	Left	111	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-927	165.5	165.6	Right	313	25	0.2	AG	Bend Installation
	Wood	ATWS-4139	165.5	165.6	Left	200	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-4141	165.6	165.6	Left	123	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-2897	165.6	165.6	Right	114	50	0.1	AG,OL	Topsoil Segregation and Waterbody Crossing
	Wood	ATWS-928	165.6	165.6	Left	117	75	0.2	AG	Waterbody Crossing
	Wood	ATWS-2898	165.6	165.6	Right	94	75	0.2	AG,OL	Topsoil Segregation and Waterbody Crossing
	Wood	ATWS-929	165.6	165.6	Left	115	75	0.2	AG,OL	Waterbody Crossing
	Wood	ATWS-1270	165.6	165.7	Left	176	50	0.2	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Wood	ATWS-930	165.8	165.9	Left	566	75	1.0	AG	Wetland Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-1272	165.9	166.0	Left	670	25	0.4	AG,OL	Topsoil Segregation
	Wood	ATWS-931	166.0	166.1	Left	181	75	0.3	OL	Road Crossing
	Wood	ATWS-932	166.1	166.1	Left	186	75	0.3	ID,FW	Road Crossing
	Wood	ATWS-934	166.3	166.5	Left	865	75	1.5	AG,OL	Waterbody and Wetland Crossing and Topsoil Segregation
	Wood	ATWS-1275	166.5	166.5	Left	202	75	0.3	AG,FW	Waterbody and Wetland Crossing
	Wood	ATWS-2903	166.7	166.8	Left	195	75	0.3	AG,FW,OL	Rail and Wetland Crossing
	Wood	ATWS-4142	166.8	166.9	Left	400	125	1.1	AG	Rail, Waterbody and Wetland Crossing and Topsoil Segregation
	Wood	ATWS-2902	166.9	167.1	Left	921	25	0.5	AG	Topsoil Segregation
	Wood	ATWS-939	167.1	167.1	Left	290	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1929	167.1	167.1	Left	114	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-358	167.1	167.2	Right	175	50	0.2	AG,ID	Road Crossing
	Wood	ATWS-3585	167.1	167.2	Left	172	75	0.3	AG	Road Crossing
	Wood	ATWS-3586	167.2	167.2	Left	189	75	0.3	AG,ID	Road Crossing
	Wood	ATWS-359	167.2	167.2	Right	187	50	0.2	AG,ID	Road Crossing
	Wood	ATWS-940	167.2	167.3	Right	360	25	0.2	AG,OL	Bend Installation
	Wood	ATWS-4143	167.2	167.2	Left	195	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1928	167.2	167.3	Left	245	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-941	167.3	167.3	Right	88	50	0.1	AG,OL	Waterbody Crossing
	Wood	ATWS-4368	167.3	167.3	Left	319	75	0.5	AG,FW,OL	Waterbody Crossing and Topsoil Segregation
	Wood	ATWS-942	167.3	167.5	Right	588	50	0.7	AG,FW,OL	Waterbody Crossing
	Wood	ATWS-3588	167.4	167.4	Left	163	75	0.3	AG,FW,OL	Bend Installation and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-3589	167.4	167.5	Left	483	50	0.6	AG,OL	Bend Installation and Topsoil Segregation
	Wood	ATWS-1927	167.5	167.6	Left	819	25	0.5	AG	Topsoil Segregation
	Wood	ATWS-3592	167.6	167.7	Left	295	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-3591	167.7	167.8	Left	286	25	0.2	AG	Topsoil Segregation
	Wood	ATWS-2904	167.7	167.7	Right	88	50	0.1	AG	Existing Pipeline Crossing
	Wood	ATWS-943	167.7	167.8	Right	185	75	0.3	AG,ID	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-4144	167.8	167.8	Left	192	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-360	167.8	167.8	Left	252	75	0.4	AG,ID	Road and Waterbody Crossing
	Wood	ATWS-944	167.8	167.9	Left	287	75	0.5	AG	Road and Waterbody Crossing
	Wood	ATWS-1926	167.9	168.2	Left	1552	25	0.9	AG	Topsoil Segregation
	Wood	ATWS-532	168.2	168.2	Left	128	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Wood	ATWS-361	168.3	168.4	Left	532	75	0.9	AG,ID,OL	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-2899	168.4	168.4	Left	417	75	0.7	AG,ID,OW	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-4145	168.4	168.5	Left	415	25	0.2	AG	Topsoil Segregation
	Wood	ATWS-1276	168.4	168.5	Right	551	75	0.9	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1278	168.5	169.4	Right	4413	25	2.5	AG	Topsoil Segregation
	Wood	ATWS-363	169.4	169.4	Right	172	75	0.3	AG,RE	Road Crossing
	Wood	ATWS-364	169.4	169.4	Right	190	75	0.3	AG,ID	Road Crossing
	Wood	ATWS-1924	169.4	169.9	Right	2288	25	1.3	AG	Topsoil Segregation
	Wood	ATWS-4146	169.9	170.0	Right	800	75	1.4	AG	Wetland Crossing and Topsoil Segregation
	Wood	ATWS-1280	170.2	170.4	Right	1336	25	0.8	AG,FW	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-366	170.4	170.4	Right	170	75	0.3	AG	Road and Waterbody Crossing
	Wood	ATWS-367	170.4	170.5	Right	216	75	0.4	AG	Road and Waterbody Crossing
	Wood	ATWS-2538	170.5	170.6	Right	337	50	0.4	AG	Existing Pipeline Crossing
	Wood	ATWS-2539	170.6	170.6	Right	127	50	0.1	AG	Existing Pipeline Crossing
	Wood	ATWS-1921	170.6	170.7	Right	533	25	0.3	AG	Topsoil Segregation
	Wood	ATWS-1923	170.7	170.8	Right	200	25	0.1	AG,RE	Topsoil Segregation
	Wood	ATWS-368	170.8	170.8	Right	191	75	0.3	AG,OL	Road and Waterbody Crossing
	Wood	ATWS-369	170.8	170.9	Right	252	75	0.4	AG,ID	Road and Waterbody Crossing
	Wood	ATWS-1922	170.9	170.9	Right	260	25	0.1	AG	Topsoil Segregation
	Wood	ATWS-1920	171.0	171.1	Right	649	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-533	171.1	171.1	Right	129	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Wood	ATWS-534	171.1	171.2	Right	230	75	0.4	AG,OL	Waterbody Crossing and Topsoil Segregation
	Wood	ATWS-1919	171.2	172.5	Right	7209	25	4.1	AG,OL	Topsoil Segregation
	Wood	ATWS-370	172.5	172.6	Right	258	75	0.4	AG,ID	Road and Wetland Crossing
	Wood	ATWS-371	172.6	172.6	Right	185	75	0.3	AG	Road and Wetland Crossing
	Wood	ATWS-1918	172.6	173.0	Right	1795	25	1.0	AG,OL	Topsoil Segregation
	Wood	ATWS-2177	173.0	173.3	Right	1555	25	0.9	AG,FW,OL	Topsoil Segregation
	Wood	ATWS-946	173.4	173.5	Right	163	50	0.2	FW	Road Crossing
	Wood	ATWS-947	173.5	173.5	Right	179	75	0.3	ID,OL,RE	Road Crossing
	Wood	ATWS-4147	173.6	173.8	Right	630	75	1.1	FW,OL	Wetland Crossing
	Wood	ATWS-372	173.9	173.9	Right	208	125	0.6	OL	Rail and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-373	174.0	174.0	Right	300	125	0.9	AG	Rail and Waterbody Crossing
	Wood	ATWS-1917	174.0	174.2	Right	978	25	0.6	AG	Topsoil Segregation
	Wood	ATWS-3595	174.2	174.2	Right	99	50	0.1	AG	Existing Pipeline Crossing
	Wood	ATWS-4148	174.2	174.3	Left	280	25	0.2	AG	Bend Installation and Existing Pipeline Crossing
	Wood	ATWS-3594	174.2	174.3	Right	510	50	0.6	AG	Bend Installation
	Wood	ATWS-3593	174.3	174.4	Right	644	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-374	174.4	174.5	Right	165	75	0.3	AG,ID	Road and Waterbody Crossing
	Wood	ATWS-375	174.5	174.5	Right	132	75	0.2	AG	Road and Waterbody Crossing
	Wood	ATWS-1916	174.5	175.0	Right	2649	25	1.5	AG	Topsoil Segregation
	Wood	ATWS-376	175.0	175.1	Right	419	125	1.2	AG,OL	Road Crossing
	Wood	ATWS-4370	175.2	175.4	Left	1350	25	0.8	AG	Bend Installation and Waterbody Crossing
	Wood	ATWS-3003	175.2	175.3	Right	616	125	1.8	AG	Bend Installation and Road Crossing
	Wood	ATWS-3596	175.3	175.4	Right	293	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1915	175.4	175.6	Left	626	25	0.4	AG	Bend Installation and Waterbody Crossing
	Wood	ATWS-1913	175.5	175.6	Right	406	50	0.5	AG,ID	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-378	175.6	175.6	Left	170	75	0.3	AG,ID	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-379	175.6	175.6	Left	180	75	0.3	AG	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-3598	175.6	175.6	Right	179	50	0.2	AG	Bend Installation and Road and Waterbody Crossing
	Wood	ATWS-4361	175.6	176.0	Left	2013	25	1.2	AG	Topsoil Segregation
	Wood	ATWS-1912	176.0	176.1	Right	293	25	0.2	AG	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-4149	176.0	176.0	Left	200	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-4374	176.0	176.2	Left	666	25	0.4	AG,OL	Topsoil Segregation
	Wood	ATWS-1914	176.2	176.3	Left	783	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-948	176.3	176.4	Left	296	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1911	176.4	176.5	Left	730	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-380	176.5	176.6	Left	312	125	0.9	AG,ID,OL	Road Crossing
	Wood	ATWS-381	176.6	176.7	Left	291	125	0.8	AG,ID	Road Crossing
	Wood	ATWS-4369	176.7	176.9	Left	1043	25	0.6	AG	Topsoil Segregation
	Wood	ATWS-1909	176.9	177.0	Left	821	25	0.5	AG,RE	Topsoil Segregation
	Wood	ATWS-950	177.0	177.1	Left	321	50	0.4	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1283	177.1	177.1	Left	283	25	0.2	AG	Topsoil Segregation
	Wood	ATWS-951	177.1	177.2	Right	321	50	0.4	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1284	177.2	177.3	Right	668	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-382	177.3	177.3	Right	174	75	0.3	AG,ID	Road and Waterbody Crossing
	Wood	ATWS-383	177.3	177.4	Right	155	75	0.3	AG	Road and Waterbody Crossing
	Wood	ATWS-1908	177.4	178.0	Right	3609	25	2.1	AG	Topsoil Segregation
	Wood	ATWS-384	178.0	178.1	Right	177	75	0.3	AG	Road and Waterbody Crossing
	Wood	ATWS-385	178.1	178.1	Right	166	75	0.3	AG	Road and Waterbody Crossing
	Wood	ATWS-1907	178.1	178.2	Right	645	25	0.4	AG	Topsoil Segregation
	Wood	ATWS-4362	178.2	178.5	Right	1383	25	0.8	AG	Topsoil Segregation
	Wood	ATWS-1906	178.5	178.5	Right	163	75	0.3	AG	Spoil Storage for Private Gun Range Protective Earth Berms and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-1905	178.6	178.6	Right	165	75	0.3	AG,OL	Spoil Storage for Private Gun Range Protective Earth Berms and Topsoil Segregation
	Wood	ATWS-1904	178.6	178.9	Right	1544	25	0.9	AG	Topsoil Segregation
	Wood	ATWS-3601	178.9	179.0	Right	287	50	0.3	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-4283	178.9	178.9	Left	200	25	0.1	AG	Bend Installation
	Wood	ATWS-3600	179.0	179.0	Right	522	25	0.3	AG	Topsoil Segregation
	Wood	ATWS-2605	179.0	179.1	Left	313	75	0.5	AG,OL	Rail Crossing
	Wood	ATWS-2604	179.0	179.1	Right	303	125	0.9	AG,OL	Rail Crossing
	Wood	ATWS-2606	179.1	179.2	Right	298	125	0.9	AG	Rail Crossing
	Wood	ATWS-2607	179.1	179.2	Left	292	75	0.5	AG	Rail Crossing
	Wood	ATWS-1903	179.2	179.5	Right	1659	25	1.0	OL	Topsoil Segregation
	Wood	ATWS-3602	179.4	179.5	Left	287	50	0.3	AG,OL	Bend Installation and Topsoil Segregation
	Wood	ATWS-4418	179.5	179.8	Right	1409	50	1.6	OL	HDD Exit Location
	Wood	ATWS-4150	179.8	179.8	Right	352	125	1.0	AG	HDD Exit Location
	Wood	ATWS-957	180.1	180.2	Left	605	125	1.7	AG	HDD Entry Location
	Wood	ATWS-2900	180.1	180.2	Right	295	350	2.4	AG,FW	HDD Entry Location
	Wood	ATWS-3603	180.2	180.3	Left	236	25	0.1	AG	Bend Installation
	Wood	ATWS-960	180.2	180.3	Right	207	50	0.2	AG	Bend Installation and Topsoil Segregation
	Wood	ATWS-1901	180.3	180.6	Right	1698	25	1.0	AG	Topsoil Segregation
	Wood	ATWS-4284	180.6	180.7	Right	225	50	0.3	AG,FW	Wetland Crossing and Topsoil Segregation
	Wood	ATWS-962	180.7	180.8	Right	125	50	0.1	FW	Waterbody Crossing
	Wood	ATWS-4151	180.8	180.8	Left	100	50	0.1	FW	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wood	ATWS-1287	180.8	180.9	Right	602	25	0.3	AG,ID	Topsoil Segregation
	Wood	ATWS-963	180.9	181.0	Right	221	75	0.4	AG,OL	Road, Waterbody and Existing Pipeline Crossing
	Wood	ATWS-3002	180.9	181.0	Left	143	50	0.2	AG,OL	Road, Waterbody and Existing Pipeline Crossing
	Wood	ATWS-3007	181.0	181.0	Left	257	50	0.3	AG,ID,OL	Road, Waterbody and Existing Pipeline Crossing
	Wood	ATWS-964	181.0	181.0	Right	179	75	0.3	AG,ID,OL	Road, Waterbody and Existing Pipeline Crossing
	Wood	ATWS-1900	181.0	181.1	Right	461	25	0.3	AG	Topsoil Segregation
	Wood	ATWS-2063	181.1	181.2	Left	602	100	1.4	AG,ID	HDD Entry Location
	Wood	ATWS-4152	181.1	181.2	Right	439	125	1.3	AG,ID	HDD Entry Location
	Wood	ATWS-4435	181.3	181.4	Right	518	20	0.2	AG,FW,OW	Access To Hydrostatic Test Water
	Lucas	ATWS-3674	181.9	182.1	Left	1208	50	1.4	AG,OL	HDD Exit Location
	Lucas	ATWS-2077	181.9	182.0	Right	595	100	1.4	AG	HDD Exit Location
	Lucas	ATWS-2643	182.0	182.1	Right	607	75	1.0	AG,OL	HDD Pull Back String and Rail Trail Crossing
	Lucas	ATWS-2656	182.1	182.5	Left	1892	25	1.1	AG	HDD Pull Back String
	Lucas	ATWS-2642	182.1	182.7	Right	2966	25	1.7	AG	Topsoil Segregation
	Lucas	ATWS-1062	182.5	182.8	Right	1256	100	2.9	AG	HDD Pull Back String
	Lucas	ATWS-3676	182.7	182.7	Left	91	50	0.1	AG,OL	Waterbody Crossing
	Lucas	ATWS-2640	182.7	182.7	Right	137	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-3677	182.7	182.8	Left	126	50	0.1	AG,OL	Waterbody Crossing
	Lucas	ATWS-2639	182.7	182.8	Right	95	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-2638	182.8	183.1	Right	1861	25	1.1	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lucas	ATWS-398	183.1	183.1	Left	177	50	0.2	AG	Road Crossing
	Lucas	ATWS-2637	183.1	183.1	Right	164	75	0.3	AG	Road Crossing
	Lucas	ATWS-673	183.1	183.2	Right	187	75	0.3	AG,ID	Road Crossing
	Lucas	ATWS-3008	183.1	183.2	Left	175	50	0.2	AG,ID	Road Crossing
	Lucas	ATWS-1898	183.2	183.2	Right	217	25	0.1	AG	Topsoil Segregation
	Lucas	ATWS-4285	183.2	183.3	Right	325	125	0.9	AG	Road and Waterbody Crossing
	Lucas	ATWS-3678	183.2	183.3	Left	184	75	0.3	AG	Waterbody Crossing
	Lucas	ATWS-675	183.3	183.3	Right	146	75	0.3	AG	Bend Installation and Waterbody and Wetland Crossing
	Lucas	ATWS-676	183.3	183.3	Left	241	75	0.4	AG	Bend Installation and Waterbody and Wetland Crossing
	Lucas	ATWS-3680	183.4	183.4	Right	130	125	0.4	AG,ID,OL	Road and Waterbody Crossing
	Lucas	ATWS-3679	183.4	183.5	Left	495	50	0.6	AG	Road and Waterbody Crossing
	Lucas	ATWS-3681	183.6	183.6	Left	123	50	0.1	AG	Waterbody Crossing
	Lucas	ATWS-2202	183.6	183.6	Right	90	75	0.2	AG	Waterbody Crossing
	Lucas	ATWS-1286	183.6	183.7	Right	489	25	0.3	AG	Topsoil Segregation
	Lucas	ATWS-4153	183.7	183.7	Left	106	50	0.1	AG	Waterbody Crossing
	Lucas	ATWS-2203	183.7	183.7	Right	132	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4154	183.7	183.7	Left	130	50	0.1	AG	Waterbody Crossing
	Lucas	ATWS-2204	183.7	183.7	Right	93	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-1897	183.7	184.1	Right	1863	25	1.1	AG	Topsoil Segregation
	Lucas	ATWS-4155	184.1	184.1	Left	138	50	0.2	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lucas	ATWS-1063	184.1	184.1	Right	94	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-2201	184.1	184.1	Right	135	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4156	184.1	184.2	Left	468	50	0.5	AG	Bend Installation and Waterbody Crossing
	Lucas	ATWS-2200	184.1	184.2	Right	243	25	0.1	AG	Topsoil Segregation
	Lucas	ATWS-400	184.2	184.3	Left	196	75	0.3	AG,ID	Road Crossing
	Lucas	ATWS-401	184.3	184.3	Left	194	75	0.3	AG,ID	Road Crossing
	Lucas	ATWS-1895	184.3	184.7	Left	2310	25	1.3	AG	Topsoil Segregation
	Lucas	ATWS-535	184.7	184.8	Left	177	75	0.3	AG,ID	Road Crossing
	Lucas	ATWS-536	184.8	184.8	Left	182	75	0.3	AG,ID,OL	Road Crossing
	Lucas	ATWS-1288	184.8	185.1	Left	1590	25	0.9	AG	Topsoil Segregation
	Lucas	ATWS-1064	185.1	185.2	Right	271	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lucas	ATWS-966	185.1	185.2	Left	529	50	0.6	AG	Bend Installation and Topsoil Segregation
	Lucas	ATWS-1187	185.2	185.2	Right	256	25	0.1	AG	Topsoil Segregation
	Lucas	ATWS-2029	185.2	185.3	Right	344	75	0.6	AG	Road and Waterbody Crossing
	Lucas	ATWS-2205	185.2	185.3	Left	308	75	0.6	AG,ID	Road and Waterbody Crossing
	Lucas	ATWS-2030	185.3	185.3	Right	243	75	0.4	AG,ID	Road and Waterbody Crossing
	Lucas	ATWS-3683	185.3	185.3	Left	195	75	0.3	AG,ID,OL	Road and Waterbody Crossing
	Lucas	ATWS-1192	185.3	185.8	Right	2571	25	1.5	AG	Topsoil Segregation
	Lucas	ATWS-4157	185.8	185.9	Left	403	25	0.2	AG	Bend Installation
	Lucas	ATWS-4158	185.8	185.9	Right	301	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lucas	ATWS-4372	185.9	186.3	Right	2045	25	1.2	AG	Topsoil Segregation
	Lucas	ATWS-3009	186.3	186.3	Left	128	50	0.1	AG,ID	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lucas	ATWS-404	186.3	186.3	Right	121	75	0.2	AG,ID	Road Crossing
	Lucas	ATWS-3010	186.3	186.3	Left	123	50	0.1	AG,ID,OL	Road Crossing
	Lucas	ATWS-405	186.3	186.3	Right	125	75	0.2	AG,ID,OL	Road Crossing
	Lucas	ATWS-2101	186.3	186.6	Right	1490	25	0.9	AG	Topsoil Segregation
	Lucas	ATWS-967	186.4	186.4	Left	321	25	0.2	AG	Bend Installation
	Lucas	ATWS-4408	186.5	186.5	Left	200	50	0.2	AG	Waterbody Crossing
	Lucas	ATWS-4159	186.6	186.6	Left	250	50	0.3	AG	Waterbody Crossing
	Lucas	ATWS-1066	186.6	186.6	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-1195	186.7	187.3	Right	3271	25	1.9	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4286	187.0	187.1	Left	200	25	0.1	AG	Bend Installation
	Lucas	ATWS-1068	187.3	187.3	Right	147	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-3004	187.3	187.3	Left	168	50	0.2	AG	Road and Waterbody Crossing
	Lucas	ATWS-1018	187.3	187.4	Right	208	75	0.4	AG,ID	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-3005	187.3	187.4	Left	198	50	0.2	AG,ID,OL	Road and Waterbody Crossing
	Lucas	ATWS-2102	187.4	187.4	Right	314	25	0.2	AG	Topsoil Segregation
	Lucas	ATWS-4163	187.4	187.5	Left	186	50	0.2	AG	Waterbody Crossing
	Lucas	ATWS-4162	187.4	187.4	Right	119	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4161	187.5	187.5	Right	159	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4160	187.5	187.5	Left	103	50	0.1	AG	Waterbody Crossing
	Lucas	ATWS-2103	187.5	187.6	Right	753	25	0.4	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-968	187.5	187.5	Left	302	25	0.2	AG	Bend Installation
	Lucas	ATWS-4287	187.7	187.7	Left	200	75	0.3	AG	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lucas	ATWS-4288	187.7	187.7	Right	200	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-2104	187.7	187.8	Right	492	25	0.3	AG	Topsoil Segregation
	Lucas	ATWS-969	187.8	187.8	Right	202	75	0.3	AG,ID,OL	Road Crossing
	Lucas	ATWS-4261	187.9	187.9	Right	87	75	0.1	AG	Road Crossing
	Lucas	ATWS-1189	187.9	188.1	Right	636	25	0.4	AG	Topsoil Segregation
	Lucas	ATWS-1070	188.1	188.1	Right	178	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4165	188.1	188.1	Left	188	50	0.2	AG	Waterbody Crossing
	Lucas	ATWS-2657	188.1	188.2	Right	177	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-4164	188.1	188.2	Left	114	50	0.1	AG	Waterbody Crossing
	Lucas	ATWS-1191	188.2	188.4	Right	1091	25	0.6	AG,ID,OL	Topsoil Segregation
	Lucas	ATWS-971	188.3	188.4	Left	189	75	0.3	AG,ID,OL	Road Crossing
	Lucas	ATWS-972	188.4	188.4	Left	184	75	0.3	AG,ID,OL	Road Crossing
	Lucas	ATWS-2651	188.4	188.8	Right	2430	25	1.4	AG,ID,OL,RE	Waterbody Crossing and Topsoil Segregation
	Lucas	ATWS-973	188.6	188.7	Left	302	25	0.2	AG	Bend Installation
	Lucas	ATWS-3006	188.8	188.9	Left	193	50	0.2	AG	Road Crossing
	Lucas	ATWS-974	188.8	188.9	Right	160	75	0.3	AG	Road Crossing
	Lucas	ATWS-975	188.9	188.9	Right	242	75	0.4	AG,ID	Road Crossing
	Lucas	ATWS-4166	188.9	189.0	Left	727	75	1.3	AG,ID,FW	Bend Installation and Road and Wetland Crossing and Topsoil Segregation
	Lucas	ATWS-976	188.9	188.9	Right	195	50	0.2	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Lucas	ATWS-2907	189.1	189.1	Right	105	50	0.1	AG,OL	Wetland Crossing and Topsoil Segregation
	Lucas	ATWS-1190	189.2	189.3	Right	323	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lucas	ATWS-3011	189.2	189.3	Left	394	75	0.7	AG,ID	Wetland and Road Crossing
	Lucas	ATWS-977	189.3	189.3	Right	153	75	0.3	AG,ID,RE	Road Crossing
	Henry	ATWS-4167	189.3	189.3	Left	78	50	0.1	ID,RE	Road Crossing
	Henry	ATWS-4169	189.3	189.4	Right	331	25	0.2	AG,OL,RE	Bend Installation and Road and Wetland Crossing
	Henry	ATWS-4168	189.4	189.4	Left	262	50	0.3	AG	Bend Installation and Wetland Crossing and Topsoil Segregation
	Henry	ATWS-1188	189.4	189.5	Right	301	75	0.5	AG	Waterbody and Wetland Crossing and Topsoil Segregation
	Henry	ATWS-4289	189.4	189.5	Left	109	50	0.1	AG	Waterbody Crossing
	Henry	ATWS-4290	189.5	189.5	Left	123	50	0.1	AG	Waterbody and Wetland Crossing.
	Henry	ATWS-2106	189.5	189.5	Right	262	25	0.2	AG,FW	Topsoil Segregation
	Henry	ATWS-979	189.5	189.5	Left	168	25	0.1	AG,FW	Bend Installation
	Henry	ATWS-4171	189.6	189.7	Right	107	50	0.1	FW	Waterbody Crossing
	Henry	ATWS-4173	189.7	189.7	Right	100	50	0.1	FW	Waterbody Crossing
	Henry	ATWS-4172	189.7	189.7	Left	100	50	0.1	FW	Waterbody Crossing
	Henry	ATWS-2032	189.8	190.0	Left	805	50	0.9	AG,FW,OL	Wetland and Existing Pipeline Crossing.
	Henry	ATWS-2034	189.8	190.0	Right	599	75	1.0	AG,OL	Wetland and Existing Pipeline Crossing.
	Henry	ATWS-4174	190.0	190.0	Left	97	50	0.1	FW,OL	Wetland and Existing Pipeline Crossing.
	Henry	ATWS-2648	190.1	190.2	Right	474	75	0.8	AG	Waterbody and Wetland Crossing.
	Henry	ATWS-4175	190.1	190.2	Left	120	50	0.1	AG	Waterbody and Wetland Crossing.
	Henry	ATWS-2650	190.2	190.2	Right	106	50	0.1	AG	Road, Wetland and Waterbody Crossing
	Henry	ATWS-2649	190.2	190.2	Left	247	75	0.4	AG	Road, Wetland and Waterbody Crossing
	Fulton	ATWS-981	190.2	190.3	Right	431	75	0.7	AG,ID	Road, Wetland and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-3013	190.2	190.3	Left	216	75	0.4	AG,ID	Road, Wetland and Waterbody Crossing
	Fulton	ATWS-2108	190.3	190.5	Right	984	25	0.6	AG	Topsoil Segregation
	Fulton	ATWS-983	190.5	190.5	Right	145	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-984	190.5	190.5	Right	145	75	0.4	AG,ID	Road Crossing
	Fulton	ATWS-2109	190.5	190.7	Right	682	25	0.3	AG	Topsoil Segregation
	Fulton	ATWS-985	190.7	190.7	Right	207	50	0.2	AG,FW	Bend Installation and Topsoil Segregation
	Fulton	ATWS-4176	190.7	190.7	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1201	190.7	190.9	Right	826	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-4263	190.9	190.9	Left	102	50	0.1	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1073	190.9	190.9	Right	102	75	0.2	AG,OL	Waterbody Crossing
	Fulton	ATWS-1072	190.9	190.9	Right	116	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1197	190.9	191.0	Right	505	25	0.3	AG	Topsoil Segregation
	Fulton	ATWS-2579	191.0	191.1	Left	111	75	0.2	AG,OL	Waterbody Crossing
	Fulton	ATWS-1074	191.0	191.1	Right	106	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-2578	191.1	191.1	Left	100	75	0.2	AG,OL	Waterbody Crossing
	Fulton	ATWS-1199	191.1	191.5	Right	1966	25	1.1	AG,OL	Topsoil Segregation
	Fulton	ATWS-986	191.1	191.2	Left	351	25	0.2	AG	Bend Installation
	Fulton	ATWS-987	191.5	191.5	Right	134	75	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-4177	191.5	191.5	Left	276	50	0.3	AG,ID,OL	Road Crossing
	Fulton	ATWS-988	191.5	191.5	Right	158	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-4264	191.5	191.5	Left	114	50	0.1	AG,ID	Road and Wetland Crossing
	Fulton	ATWS-2110	191.5	191.5	Right	120	25	0.1	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-4178	191.5	191.6	Right	173	75	0.3	AG	Wetland Crossing and Topsoil Segregation
	Fulton	ATWS-4265	191.6	191.6	Right	158	25	0.1	AG	Topsoil Segregation
	Fulton	ATWS-1200	191.7	192.0	Right	1727	25	1.0	AG,OL	Topsoil Segregation
	Fulton	ATWS-2112	192.0	192.0	Right	157	25	0.1	AG	Topsoil Segregation
	Fulton	ATWS-2113	192.0	192.2	Right	1151	25	0.7	AG	Topsoil Segregation
	Fulton	ATWS-4291	192.0	192.1	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1019	192.2	192.3	Right	119	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4179	192.3	192.3	Left	100	50	0.1	AG,OL	Waterbody Crossing
	Fulton	ATWS-1022	192.3	192.3	Right	118	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-3017	192.3	192.3	Left	129	50	0.1	AG,ID,OL	Road and Waterbody Crossing
	Fulton	ATWS-1198	192.3	192.3	Right	108	25	0.1	AG	Topsoil Segregation
	Fulton	ATWS-3018	192.3	192.4	Left	250	50	0.3	AG,ID,OL	Road Crossing
	Fulton	ATWS-991	192.3	192.4	Right	130	75	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-992	192.3	192.4	Right	144	75	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-2206	192.4	192.5	Right	698	25	0.4	AG	Topsoil Segregation
	Fulton	ATWS-4292	192.5	192.6	Left	363	50	0.4	AG	Bend Installation and Topsoil Segregation
	Fulton	ATWS-1205	192.6	192.7	Left	992	25	0.6	AG	Topsoil Segregation
	Fulton	ATWS-1021	192.7	192.8	Left	123	75	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-3012	192.7	192.8	Right	129	50	0.1	AG,ID,OL	Road Crossing
	Fulton	ATWS-1020	192.8	192.8	Left	100	75	0.2	AG,ID	Road Crossing
	Fulton	ATWS-3014	192.8	192.8	Right	87	50	0.1	AG,ID	Road Crossing
	Fulton	ATWS-2114	192.8	193.1	Left	1794	25	1.0	AG,OL	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1024	193.1	193.2	Left	163	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1023	193.2	193.3	Left	298	75	0.5	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1075	193.6	193.7	Left	269	25	0.2	FW	Bend Installation
	Fulton	ATWS-2646	193.8	193.8	Left	289	75	0.5	ID,OL,RE	Road and Wetland Crossing and Bend/ Fitting.
	Fulton	ATWS-1025	193.8	193.8	Right	90	75	0.2	ID,OL,RE	Road Crossing
	Fulton	ATWS-4293	193.8	193.8	Left	96	50	0.1	AG,ID	Road and Waterbody Crossing
	Fulton	ATWS-1076	193.8	193.9	Right	346	75	0.6	AG,ID	Road and Waterbody Crossing
	Fulton	ATWS-4294	193.9	193.9	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1215	193.9	194.8	Right	4822	25	2.8	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4180	194.1	194.1	Left	300	25	0.2	AG	Bend Installation
	Fulton	ATWS-4181	194.3	194.4	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1078	194.8	194.8	Left	151	75	0.3	AG	Road Crossing
	Fulton	ATWS-2659	194.8	194.9	Left	149	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-4419	194.8	194.8	Right	40	25	0.0	AG,ID	Road Crossing
	Fulton	ATWS-2100	194.8	194.9	Right	602	25	0.3	AG	Road Crossing
	Fulton	ATWS-1027	194.9	194.9	Left	210	25	0.1	AG	Bend Installation
	Fulton	ATWS-2660	194.9	195.0	Left	95	75	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1028	194.9	195.0	Right	129	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4182	195.0	195.0	Left	174	50	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1029	195.0	195.0	Right	128	75	0.2	AG,FW	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1209	195.0	195.1	Right	503	25	0.3	AG	Topsoil Segregation
	Fulton	ATWS-4183	195.1	195.2	Right	267	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1079	195.2	195.2	Right	133	75	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1080	195.2	195.3	Right	152	75	0.3	AG,OL	Waterbody Crossing
	Fulton	ATWS-1081	195.3	195.3	Left	265	25	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1213	195.3	195.5	Right	1428	25	0.8	AG,FW	Topsoil Segregation
	Fulton	ATWS-4295	195.4	195.4	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-4296	195.5	195.5	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1031	195.5	195.6	Right	195	75	0.3	AG,ID	Bend Installation and Road Crossing
	Fulton	ATWS-3015	195.6	195.6	Left	173	50	0.2	AG,ID	Road Crossing
	Fulton	ATWS-1030	195.6	195.7	Right	267	75	0.5	AG,ID	Road Crossing
	Fulton	ATWS-3016	195.6	195.7	Left	265	50	0.3	AG,ID	Road Crossing
	Fulton	ATWS-2116	195.7	195.8	Right	940	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-4297	195.8	195.9	Left	160	50	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1033	195.8	195.9	Right	132	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1032	195.9	195.9	Right	139	75	0.2	AG,OL	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4184	195.9	195.9	Left	333	50	0.4	AG	Bend Installation and Waterbody Crossing
	Fulton	ATWS-994	195.9	196.0	Right	139	50	0.2	AG	Bend Installation and Topsoil Segregation
	Fulton	ATWS-1212	196.0	196.2	Right	1416	25	0.8	AG	Topsoil Segregation
	Fulton	ATWS-995	196.2	196.2	Left	189	25	0.1	AG	Bend Installation
	Fulton	ATWS-2636	196.2	196.2	Left	150	50	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-997	196.2	196.2	Right	148	75	0.3	AG,ID,OL	Road Crossing
	Fulton	ATWS-996	196.2	196.3	Right	153	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-4185	196.2	196.3	Left	150	50	0.2	AG,ID,RE	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-2117	196.3	196.3	Right	310	25	0.2	AG	Topsoil Segregation
	Fulton	ATWS-999	196.3	196.4	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4186	196.3	196.4	Left	148	50	0.2	AG,OL	Waterbody Crossing
	Fulton	ATWS-998	196.4	196.4	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4187	196.4	196.4	Left	141	50	0.2	AG	Waterbody Crossing
	Fulton	ATWS-1208	196.4	196.6	Right	954	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-1211	196.6	197.2	Right	3231	25	1.9	AG	Topsoil Segregation
	Fulton	ATWS-4188	197.1	197.1	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1000	197.2	197.2	Right	106	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-2119	197.3	197.3	Right	195	75	0.3	AG,ID,RE	Road and Waterbody Crossing
	Fulton	ATWS-3019	197.3	197.3	Left	164	50	0.2	AG,ID	Road and Waterbody Crossing
	Fulton	ATWS-3020	197.3	197.3	Left	199	50	0.2	AG,ID	Road Crossing
	Fulton	ATWS-1210	197.3	197.3	Right	200	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-2652	197.3	197.5	Right	798	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-4189	197.5	197.5	Left	104	50	0.1	AG	Waterbody Crossing
	Fulton	ATWS-2653	197.5	197.5	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-2118	197.5	197.5	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4190	197.5	197.5	Left	100	50	0.1	AG	Waterbody Crossing
	Fulton	ATWS-2654	197.5	197.8	Right	1345	25	0.8	AG	Topsoil Segregation
	Fulton	ATWS-4298	197.8	197.8	Left	151	25	0.1	AG	Bend Installation
	Fulton	ATWS-1007	197.8	197.8	Left	230	100	0.5	AG	Rail and Wetland Crossing
	Fulton	ATWS-2037	197.8	197.8	Right	280	125	0.8	AG	Rail and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1005	197.9	197.9	Left	314	100	0.7	AG	Rail and Waterbody Crossing
	Fulton	ATWS-2038	197.9	197.9	Right	304	125	0.9	AG	Rail and Waterbody Crossing
	Fulton	ATWS-1216	197.9	198.3	Right	1878	25	1.1	AG	Topsoil Segregation
	Fulton	ATWS-4300	198.1	198.1	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-4192	198.3	198.3	Left	152	50	0.2	AG,ID	Road Crossing
	Fulton	ATWS-1009	198.3	198.3	Right	150	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-4191	198.3	198.3	Left	151	50	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-1008	198.3	198.3	Right	150	75	0.3	AG,OL	Road Crossing
	Fulton	ATWS-2120	198.3	198.6	Right	1286	25	0.7	AG	Topsoil Segregation
	Fulton	ATWS-1010	198.6	198.6	Right	153	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4194	198.6	198.6	Left	150	75	0.3	AG	Waterbody Crossing
	Fulton	ATWS-1011	198.6	198.7	Right	172	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4195	198.7	198.7	Left	195	50	0.2	AG	Waterbody Crossing
	Fulton	ATWS-2121	198.7	198.8	Right	603	25	0.3	AG	Topsoil Segregation
	Fulton	ATWS-4301	198.8	198.8	Right	292	75	0.5	AG	Wetland Crossing and Topsoil Segregation
	Fulton	ATWS-2655	198.9	199.0	Right	623	25	0.4	AG	Topsoil Segregation
	Fulton	ATWS-1034	199.0	199.0	Right	341	75	0.6	AG,OL	Road Crossing
	Fulton	ATWS-1082	199.0	199.0	Left	257	125	0.7	AG,OL	Road Crossing
	Fulton	ATWS-1035	199.1	199.2	Right	378	90	0.8	AG	Road and Waterbody Crossing
	Fulton	ATWS-1083	199.1	199.2	Left	395	117	1.1	AG	Road and Waterbody Crossing
	Fulton	ATWS-2122	199.2	199.3	Right	484	25	0.3	AG	Topsoil Segregation
	Fulton	ATWS-3022	199.3	199.3	Left	200	50	0.2	AG,ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1013	199.3	199.3	Right	200	75	0.3	AG,ID,OL,RE	Road Crossing
	Fulton	ATWS-3021	199.3	199.3	Left	202	50	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-1012	199.3	199.3	Right	201	75	0.3	AG,OL	Road Crossing
	Fulton	ATWS-1014	199.3	199.4	Right	311	50	0.4	AG	Bend Installation and Topsoil Segregation
	Fulton	ATWS-4303	199.4	199.4	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-2124	199.4	200.0	Right	2959	25	1.7	AG	Topsoil Segregation
	Fulton	ATWS-1016	200.0	200.0	Right	135	75	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-3024	200.0	200.0	Left	245	50	0.3	AG,ID,OL	Road Crossing
	Fulton	ATWS-1015	200.0	200.1	Right	267	75	0.5	AG,ID,OL	Road Crossing
	Fulton	ATWS-3023	200.0	200.1	Left	164	50	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-1217	200.1	200.7	Right	3669	25	2.1	AG	Topsoil Segregation
	Fulton	ATWS-1017	200.7	200.7	Left	268	25	0.2	AG	Bend Installation
	Fulton	ATWS-539	200.7	200.8	Right	146	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-444	200.8	200.9	Right	419	75	0.7	AG,ID,RE	Road and Waterbody Crossing
	Fulton	ATWS-445	200.9	200.9	Right	197	75	0.3	ID,RE	Road Crossing
	Fulton	ATWS-2186	200.9	200.9	Right	97	25	0.1	RE	Topsoil Segregation
	Fulton	ATWS-2185	201.0	201.4	Right	2136	25	1.2	AG	Topsoil Segregation
	Fulton	ATWS-1214	201.4	201.6	Right	1137	25	0.6	AG	Topsoil Segregation
	Fulton	ATWS-1036	201.5	201.6	Left	578	25	0.3	AG	Bend Installation
	Fulton	ATWS-1038	201.6	201.6	Left	222	75	0.4	AG,ID	Road Crossing
	Fulton	ATWS-1037	201.6	201.7	Left	200	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-1218	201.7	201.8	Left	840	25	0.5	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1084	201.7	201.9	Right	605	50	0.7	AG	Topsoilsegregation and Bend/ Fitting
	Fulton	ATWS-1222	201.9	202.1	Right	1205	25	0.7	AG	Topsoil Segregation
	Fulton	ATWS-1040	202.1	202.1	Right	150	100	0.3	AG	Waterbody and Wetland Crossing.
	Fulton	ATWS-1039	202.2	202.2	Right	150	75	0.3	AG	Waterbody and Existing Pipeline Crossing
	Fulton	ATWS-2126	202.2	202.6	Right	2399	25	1.4	AG	Topsoil Segregation
	Fulton	ATWS-516	202.6	202.7	Right	200	75	0.3	AG	Road and Waterbody Crossing
	Fulton	ATWS-1041	202.7	202.7	Right	235	75	0.4	AG,OL	Road and Waterbody Crossing
	Fulton	ATWS-1224	202.7	203.4	Right	3466	25	2.0	AG	Topsoil Segregation
	Fulton	ATWS-1043	203.4	203.4	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1042	203.4	203.5	Right	159	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1221	203.5	203.7	Right	1256	25	0.7	AG	Topsoil Segregation
	Fulton	ATWS-446	203.7	203.8	Right	263	75	0.5	AG,ID	Road and Waterbody Crossing
	Fulton	ATWS-447	203.8	203.8	Right	246	75	0.4	AG	Road and Waterbody Crossing
	Fulton	ATWS-1045	203.9	203.9	Right	383	75	0.7	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1044	203.9	204.0	Right	166	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1223	204.0	204.4	Right	2202	25	1.3	AG	Topsoil Segregation
	Fulton	ATWS-4304	204.4	204.4	Left	200	25	0.1	AG	Bend Installation
	Fulton	ATWS-1046	204.4	204.4	Right	170	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-4305	204.4	204.5	Left	262	50	0.3	AG,ID	Road Crossing
	Fulton	ATWS-1047	204.4	204.5	Right	375	75	0.6	AG,ID	Road Crossing
	Fulton	ATWS-4306	204.5	204.5	Left	222	50	0.3	AG,ID	Road Crossing
	Fulton	ATWS-2127	204.5	204.9	Right	2004	25	1.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-4307	204.9	204.9	Left	186	50	0.2	AG,ID	Bend Installation and Road Crossing
	Fulton	ATWS-448	204.9	204.9	Right	317	75	0.5	AG,ID	Bend Installation and Road Crossing
	Fulton	ATWS-4308	204.9	205.0	Left	200	50	0.2	AG,ID,OL	Road Crossing
	Fulton	ATWS-1086	204.9	205.0	Right	201	75	0.3	AG,ID,OL	Road Crossing
	Fulton	ATWS-1225	205.0	205.2	Right	970	25	0.6	AG	Topsoil Segregation
	Fulton	ATWS-4309	205.2	205.2	Left	162	50	0.2	AG	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1049	205.2	205.2	Right	161	75	0.3	AG	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1048	205.2	205.2	Right	100	75	0.2	AG	Waterbody Crossing
	Fulton	ATWS-4302	205.2	205.2	Left	114	50	0.1	AG	Waterbody Crossing
	Fulton	ATWS-2128	205.2	205.4	Right	900	25	0.5	AG	Bend Installation
	Fulton	ATWS-2093	205.2	205.6	Left	1817	25	1.0	AG	Topsoil Segregation
	Fulton	ATWS-1050	205.6	205.6	Left	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-2209	205.6	205.6	Left	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1226	205.6	205.9	Left	1546	25	0.9	AG	Topsoil Segregation
	Fulton	ATWS-2039	205.9	206.0	Left	200	75	0.3	AG,OL	Road and Waterbody Crossing
	Fulton	ATWS-1087	206.0	206.0	Left	200	75	0.3	AG,ID,OL	Road and Waterbody Crossing
	Fulton	ATWS-1227	206.0	206.2	Left	929	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-1088	206.2	206.2	Left	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-1089	206.2	206.3	Left	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-2094	206.3	206.9	Left	3587	25	2.1	AG	Topsoil Segregation
	Fulton	ATWS-1052	206.9	207.0	Left	200	75	0.3	AG,ID,OL	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Fulton	ATWS-1051	207.0	207.0	Left	171	75	0.3	AG	Road and Waterbody Crossing
	Fulton	ATWS-2129	207.0	207.2	Left	804	25	0.5	AG	Topsoil Segregation
	Fulton	ATWS-2909	207.2	207.2	Left	139	75	0.2	AG	Existing Pipeline Crossing and Topsoil Segregation
	Fulton	ATWS-2040	207.3	207.3	Left	200	75	0.3	AG	Existing Pipeline Crossing and Topsoil Segregation
	Fulton	ATWS-4311	207.3	207.3	Left	191	25	0.1	AG	Topsoil Segregation
	Fulton	ATWS-4310	207.3	207.4	Left	150	75	0.3	AG	Wetland Crossing and Topsoil Segregation
	Fulton	ATWS-1229	207.4	207.8	Left	2322	25	1.3	AG	Topsoil Segregation
	Fulton	ATWS-1054	207.8	207.8	Left	200	75	0.3	AG,ID	Road Crossing
	Fulton	ATWS-1053	207.8	207.9	Left	171	75	0.3	ID,OL	Road and Waterbody Crossing
	Fulton	ATWS-1055	207.9	207.9	Left	151	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Fulton	ATWS-4312	207.9	208.3	Left	2189	25	1.3	AG	Topsoil Segregation
Michigan										
Mainline	Lenawee	ATWS-1232	208.3	208.7	Right	2035	25	1.2	AG	Topsoil Segregation
	Lenawee	ATWS-1057	208.7	208.7	Right	128	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4313	208.7	208.7	Left	132	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-1056	208.7	208.8	Right	135	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4314	208.7	208.8	Left	134	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-1230	208.8	208.9	Right	917	25	0.5	AG	Topsoil Segregation
	Lenawee	ATWS-3026	208.9	209.0	Left	168	50	0.3	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1671	208.9	209.0	Right	164	75	0.4	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1670	209.0	209.0	Right	172	75	0.3	AG,ID,OL	Waterbody Crossing and Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-3025	209.0	209.0	Left	173	50	0.2	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1672	209.0	209.9	Right	4689	25	2.7	AG	Topsoil Segregation
	Lenawee	ATWS-4315	209.6	209.7	Left	304	25	0.2	AG	Bend Installation
	Lenawee	ATWS-678	209.9	210.0	Left	406	75	0.7	AG,OL	Rail, Road and Waterbody Crossing
	Lenawee	ATWS-452	209.9	210.0	Right	422	125	1.3	AG,OL	Rail, Road and Waterbody Crossing
	Lenawee	ATWS-453	210.0	210.1	Right	240	75	0.4	AG,OL	Bend Installation and Rail, Road and Waterbody Crossing
	Lenawee	ATWS-2662	210.0	210.1	Left	417	100	1.0	AG,ID	Bend Installation and Rail, Road and Waterbody Crossing
	Lenawee	ATWS-1673	210.1	211.0	Right	4802	25	2.8	AG	Topsoil Segregation
	Lenawee	ATWS-4316	210.4	210.4	Left	305	25	0.2	AG	Bend Installation
	Lenawee	ATWS-3028	211.0	211.0	Left	150	50	0.2	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-454	211.0	211.0	Right	157	75	0.3	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-3027	211.0	211.0	Left	153	50	0.2	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-455	211.0	211.0	Right	151	75	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1239	211.0	212.0	Right	5098	25	2.9	AG	Topsoil Segregation
	Lenawee	ATWS-3030	212.0	212.0	Left	167	50	0.2	AG	Road and Waterbody Crossing
	Lenawee	ATWS-456	212.0	212.0	Right	167	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-457	212.0	212.1	Right	150	75	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-3029	212.0	212.1	Left	149	50	0.2	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1235	212.1	213.0	Right	4675	25	2.7	AG	Topsoil Segregation
	Lenawee	ATWS-4317	212.7	212.8	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Lenawee	ATWS-2041	212.8	212.8	Left	75	25	0.0	AG	Existing Pipeline Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-458	213.0	213.0	Right	200	75	0.3	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-3032	213.0	213.0	Left	197	50	0.2	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-459	213.0	213.0	Right	200	75	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-3031	213.0	213.0	Left	192	50	0.2	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-2088	213.0	213.5	Right	2312	25	1.3	AG	Topsoil Segregation
	Lenawee	ATWS-679	213.5	213.5	Right	140	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4318	213.5	213.5	Left	136	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-4319	213.5	213.5	Left	138	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-680	213.5	213.5	Right	138	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1236	213.5	214.0	Right	2390	25	1.4	AG	Topsoil Segregation
	Lenawee	ATWS-3034	214.0	214.0	Left	150	50	0.2	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-460	214.0	214.0	Right	149	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3033	214.0	214.1	Left	150	50	0.2	AG	Road and Waterbody Crossing
	Lenawee	ATWS-461	214.0	214.1	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1237	214.1	215.0	Right	4845	25	2.8	AG	Topsoil Segregation
	Lenawee	ATWS-4321	214.6	214.7	Left	510	25	0.3	AG	Bend Installation
	Lenawee	ATWS-463	215.0	215.1	Left	462	75	0.8	AG	HDD Entry Location
	Lenawee	ATWS-462	215.0	215.1	Right	516	125	1.5	AG	HDD Entry Location
	Lenawee	ATWS-2760	215.3	215.4	Left	400	75	0.7	AG	HDD Exit Location
	Lenawee	ATWS-2761	215.3	215.4	Right	400	125	1.1	AG,OL	HDD Exit Location
	Lenawee	ATWS-2762	215.4	215.7	Right	1472	25	0.8	AG	Topsoil Segregation
	Lenawee	ATWS-4384	215.7	215.7	Right	544	25	0.3	AG,FW,OW	Access To Hydrostatic Test Water

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-4409	215.7	215.7	Right	150	50	0.2	AG	Access To Hydrostatic Test Water
	Lenawee	ATWS-1674	215.7	215.8	Right	201	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-2097	215.7	215.8	Left	207	50	0.2	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1059	215.8	215.8	Right	158	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-2757	215.8	215.8	Left	151	50	0.2	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1678	215.8	216.3	Right	2336	25	1.3	AG	Topsoil Segregation
	Lenawee	ATWS-4327	215.8	215.9	Left	317	25	0.2	AG	Bend Installation
	Lenawee	ATWS-4322	216.3	216.3	Left	137	50	0.2	AG	Waterbody Crossing
	Lenawee	ATWS-2616	216.3	216.3	Right	105	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-2617	216.3	216.3	Right	130	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4323	216.3	216.3	Left	100	50	0.1	AG	Waterbody Crossing
	Lenawee	ATWS-1679	216.3	216.7	Right	1948	25	1.1	AG	Topsoil Segregation
	Lenawee	ATWS-4328	216.4	216.4	Left	200	25	0.1	AG	Bend Installation
	Lenawee	ATWS-464	216.7	216.7	Right	199	75	0.3	AG,ID	Road Crossing
	Lenawee	ATWS-2763	216.7	216.7	Left	195	75	0.3	AG,ID	Road Crossing
	Lenawee	ATWS-2042	216.7	216.8	Left	204	75	0.4	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-465	216.7	216.8	Right	221	75	0.4	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-4325	216.8	216.8	Left	340	50	0.4	AG,OL	Bend Installation and Waterbody Crossing
	Lenawee	ATWS-4329	216.8	216.8	Right	106	50	0.1	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4324	216.8	216.9	Right	226	25	0.1	AG	Bend Installation
	Lenawee	ATWS-1686	216.8	217.0	Left	1028	25	0.6	AG	Topsoil Segregation
	Lenawee	ATWS-1687	217.0	217.1	Right	342	125	1.0	AG	Rail, Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-1681	217.0	217.1	Left	309	100	0.7	AG	Rail, Road and Waterbody Crossing
	Lenawee	ATWS-1683	217.1	217.1	Right	184	75	0.3	AG	Rail, Road and Waterbody Crossing
	Lenawee	ATWS-1682	217.1	217.2	Left	238	75	0.4	AG	Rail, Road and Waterbody Crossing
	Lenawee	ATWS-4330	217.1	217.2	Right	350	125	1.0	AG	Road, Rail and Waterbody Crossing and Bore Pull Back String
	Lenawee	ATWS-1238	217.2	217.4	Right	1231	25	0.7	AG	Topsoil Segregation
	Lenawee	ATWS-4326	217.4	217.4	Left	75	25	0.0	AG	Existing Pipeline Crossing
	Lenawee	ATWS-541	217.4	217.5	Right	130	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4331	217.5	217.5	Left	215	75	0.4	AG	Waterbody Crossing
	Lenawee	ATWS-542	217.5	217.5	Right	197	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1234	217.5	218.1	Right	2802	25	1.6	AG	Topsoil Segregation
	Lenawee	ATWS-1688	218.1	218.1	Right	174	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4332	218.1	218.1	Left	200	75	0.3	AG,OL	Waterbody Crossing
	Lenawee	ATWS-1689	218.1	218.1	Right	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1233	218.1	218.3	Right	948	25	0.5	AG	Topsoil Segregation
	Lenawee	ATWS-466	218.3	218.4	Right	203	75	0.3	AG,ID	Road Crossing
	Lenawee	ATWS-4336	218.3	218.4	Left	200	50	0.2	AG,ID	Road Crossing
	Lenawee	ATWS-4335	218.4	218.4	Left	200	50	0.2	AG,ID,OL	Road Crossing
	Lenawee	ATWS-467	218.4	218.4	Right	193	75	0.3	AG,ID,OL	Road Crossing
	Lenawee	ATWS-1690	218.4	218.5	Right	401	25	0.2	AG	Topsoil Segregation
	Lenawee	ATWS-682	218.5	218.5	Right	139	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4337	218.5	218.5	Left	150	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-4338	218.5	218.5	Left	150	50	0.2	AG,OL	Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-681	218.5	218.5	Right	145	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1231	218.5	218.8	Right	1135	25	0.7	AG	Topsoil Segregation
	Lenawee	ATWS-3988	218.7	218.8	Left	261	75	0.5	AG	Existing Pipeline and Waterbody Crossing
	Lenawee	ATWS-683	218.8	218.8	Right	217	75	0.4	AG,OL	Existing Pipeline and Waterbody Crossing
	Lenawee	ATWS-684	218.8	218.8	Right	79	75	0.1	AG,OL	Existing Pipeline and Waterbody Crossing
	Lenawee	ATWS-3987	218.8	218.8	Left	79	50	0.1	AG,OL	Existing Pipeline and Waterbody Crossing
	Lenawee	ATWS-3984	218.8	218.9	Left	375	50	0.4	AG	Bend Installation and Existing Pipeline Crossing
	Lenawee	ATWS-2758	218.9	218.9	Right	252	25	0.1	AG	Bend Installation
	Lenawee	ATWS-1692	218.9	219.1	Left	1192	25	0.7	AG	Topsoil Segregation
	Lenawee	ATWS-468	219.1	219.2	Left	227	75	0.4	AG,OL	Road Crossing
	Lenawee	ATWS-2764	219.2	219.2	Left	225	75	0.4	AG,OL	Road Crossing
	Lenawee	ATWS-1705	219.2	219.6	Left	1922	25	1.1	AG	Topsoil Segregation
	Lenawee	ATWS-1694	219.6	219.7	Left	346	75	0.6	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1693	219.7	219.7	Left	242	75	0.4	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1706	219.7	220.0	Left	1609	25	0.9	AG	Topsoil Segregation
	Lenawee	ATWS-1696	220.0	220.1	Left	254	75	0.4	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1695	220.1	220.1	Left	296	75	0.5	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1704	220.1	220.2	Left	145	50	0.2	AG	Bend Installation and Topsoil Segregation
	Lenawee	ATWS-1707	220.2	220.4	Left	1164	25	0.7	AG	Topsoil Segregation
	Lenawee	ATWS-1698	220.4	220.5	Left	194	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1699	220.5	220.5	Left	150	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1708	220.5	220.6	Left	690	25	0.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-1700	220.6	220.7	Left	251	75	0.4	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1701	220.7	220.7	Left	220	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1709	220.7	221.3	Left	2717	25	1.6	AG	Topsoil Segregation
	Lenawee	ATWS-1702	221.3	221.3	Left	412	75	0.7	AG,ID	Bend Installation and Road Crossing
	Lenawee	ATWS-1703	221.3	221.4	Left	297	75	0.5	AG,ID	Bend Installation and Road Crossing
	Lenawee	ATWS-3983	221.4	221.6	Left	1196	25	0.7	AG,OL	Topsoil Segregation
	Lenawee	ATWS-3982	221.6	221.7	Left	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lenawee	ATWS-1711	221.7	222.0	Left	1707	25	1.0	AG	Topsoil Segregation
	Lenawee	ATWS-1712	222.0	222.0	Left	240	75	0.4	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1713	222.0	222.1	Left	274	75	0.5	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1714	222.1	222.4	Left	1701	25	1.0	AG	Topsoil Segregation
	Lenawee	ATWS-1716	222.4	222.5	Left	152	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1715	222.5	222.5	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1717	222.5	222.6	Left	322	25	0.2	AG	Topsoil Segregation
	Lenawee	ATWS-2910	222.6	222.6	Left	100	50	0.1	AG	Existing Pipeline Crossing
	Lenawee	ATWS-1718	222.6	222.6	Left	205	75	0.4	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1719	222.6	222.7	Left	258	75	0.4	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1720	222.7	223.0	Left	1516	25	0.9	AG	Topsoil Segregation
	Lenawee	ATWS-1721	223.1	223.2	Left	466	25	0.3	AG	Topsoil Segregation
	Lenawee	ATWS-1723	223.2	223.2	Left	193	75	0.3	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1722	223.2	223.3	Left	302	75	0.4	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1724	223.3	223.4	Left	639	25	0.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-1725	223.5	223.8	Left	1554	25	0.9	AG	Topsoil Segregation
	Lenawee	ATWS-3981	223.8	223.8	Left	173	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3980	223.8	223.9	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1726	223.9	224.3	Left	2542	25	1.5	AG	Topsoil Segregation
	Lenawee	ATWS-1727	224.3	224.4	Left	303	75	0.5	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1728	224.4	224.5	Left	420	75	0.7	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1729	224.5	224.9	Left	2267	25	1.3	AG	Topsoil Segregation
	Lenawee	ATWS-3978	224.9	225.0	Left	412	75	0.7	AG,ID	Road Crossing
	Lenawee	ATWS-4394	224.9	225.0	Right	150	50	0.2	AG,ID	Road Crossing
	Lenawee	ATWS-3979	225.0	225.0	Right	1644	50	0.6	AG,ID,OL	Bend Installation and Road and Waterbody Crossing
	Lenawee	ATWS-4395	225.0	225.0	Left	269	75	0.3	AG,ID,OL	Bend Installation and Road and Waterbody Crossing
	Lenawee	ATWS-2624	225.1	225.1	Left	300	75	0.5	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3977	225.1	225.1	Right	284	50	0.3	AG,OL	Waterbody Crossing
	Lenawee	ATWS-2625	225.1	225.5	Left	2294	25	1.3	AG	Topsoil Segregation
	Lenawee	ATWS-4396	225.2	225.2	Right	302	25	0.2	AG	Bend Installation
	Lenawee	ATWS-2623	225.5	225.6	Left	163	75	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-3975	225.5	225.6	Right	225	50	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-2622	225.6	225.6	Left	167	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-3976	225.6	225.6	Right	119	50	0.1	AG	Road and Waterbody Crossing
	Lenawee	ATWS-2621	225.6	225.8	Left	789	25	0.5	AG	Topsoil Segregation
	Lenawee	ATWS-2247	225.6	225.7	Right	304	25	0.2	AG	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-3974	225.8	225.8	Right	268	50	0.3	AG	Waterbody Crossing
	Lenawee	ATWS-2620	225.8	225.8	Left	130	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-2619	225.8	225.9	Left	239	75	0.4	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3973	225.8	225.9	Right	122	50	0.1	AG	Waterbody Crossing
	Lenawee	ATWS-2913	225.9	226.4	Left	2826	25	1.6	AG	Topsoil Segregation
	Lenawee	ATWS-3972	226.0	226.1	Right	300	25	0.2	AG	Bend Installation
	Lenawee	ATWS-2914	226.4	226.4	Left	191	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-4339	226.4	226.5	Right	158	50	0.2	AG,OL	Waterbody Crossing
	Lenawee	ATWS-2915	226.4	226.5	Left	153	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-2916	226.5	226.6	Left	670	25	0.4	AG	Topsoil Segregation
	Lenawee	ATWS-1744	226.6	226.6	Right	177	50	0.2	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-2917	226.6	226.6	Left	259	75	0.4	AG,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1745	226.6	226.7	Right	216	50	0.2	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-2918	226.7	226.7	Left	176	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-3971	226.7	226.8	Left	250	50	0.3	AG	Bend Installation and Topsoil Segregation
	Lenawee	ATWS-1746	226.8	226.8	Left	140	25	0.1	AG	Topsoil Segregation
	Lenawee	ATWS-2044	226.8	226.8	Left	224	75	0.4	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1747	226.8	226.9	Left	200	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3970	226.9	227.0	Left	389	25	0.2	AG	Topsoil Segregation
	Lenawee	ATWS-1748	227.0	227.0	Left	225	75	0.4	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-3969	227.0	227.0	Left	200	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1750	227.0	227.5	Left	2400	25	1.4	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-1751	227.5	227.6	Left	350	75	0.6	AG,ID	Road Crossing
	Lenawee	ATWS-1752	227.6	227.6	Left	308	75	0.5	AG	Road Crossing
	Lenawee	ATWS-1753	227.6	228.1	Left	2530	25	1.5	AG	Topsoil Segregation
	Lenawee	ATWS-3968	228.1	228.1	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1755	228.1	228.2	Left	305	75	0.5	AG,ID,OL	Road and Waterbody Crossing
	Lenawee	ATWS-1756	228.2	228.3	Left	388	75	0.6	AG,ID	Road Crossing
	Lenawee	ATWS-1757	228.3	228.7	Left	2460	25	1.4	AG	Topsoil Segregation
	Lenawee	ATWS-3967	228.7	228.8	Left	186	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3966	228.8	228.8	Left	173	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3965	228.8	229.3	Left	640	25	1.5	AG	Topsoil Segregation
	Lenawee	ATWS-2808	229.3	229.4	Right	410	50	0.2	AG	Bend Installation
	Lenawee	ATWS-1759	229.3	229.4	Left	196	75	0.3	AG,ID	Road and Waterbody Crossing
	Lenawee	ATWS-1760	229.4	229.4	Left	217	75	0.3	AG	Road and Waterbody Crossing
	Lenawee	ATWS-1761	229.4	229.5	Left	380	50	0.4	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1762	229.5	229.5	Left	205	75	0.4	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3963	229.5	229.5	Right	120	75	0.2	AG,FW	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1763	229.5	229.6	Left	157	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-3962	229.5	229.6	Right	124	25	0.1	AG,ID	Waterbody Crossing
	Lenawee	ATWS-1764	229.6	229.8	Left	1060	25	0.6	AG	Topsoil Segregation
	Lenawee	ATWS-1766	229.8	229.8	Left	148	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1765	229.8	229.9	Left	168	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Lenawee	ATWS-1767	229.9	230.0	Left	786	25	0.5	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Lenawee	ATWS-1768	230.0	230.1	Left	170	75	0.3	AG,ID	Road Crossing
	Lenawee	ATWS-1769	230.0	230.1	Left	237	75	0.4	AG,ID	Road Crossing
	Lenawee	ATWS-1770	230.1	230.3	Left	1184	25	0.7	AG	Topsoil Segregation
	Lenawee	ATWS-1771	230.3	230.4	Left	319	75	0.5	AG,ID	Bend Installation and Road and Waterbody Crossing
	Lenawee	ATWS-2187	230.3	230.4	Right	136	50	0.2	AG,ID	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-1772	230.4	230.4	Left	171	75	0.3	AG,OL	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-2070	230.4	230.4	Right	354	50	0.4	AG,OL	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-1773	230.4	230.5	Left	214	25	0.1	AG	Topsoil Segregation
	Monroe	ATWS-1774	230.5	230.6	Left	864	25	0.5	AG	Topsoil Segregation
	Monroe	ATWS-3961	230.6	230.7	Right	232	50	0.3	AG,ID	Road Crossing
	Monroe	ATWS-1775	230.6	230.7	Left	143	75	0.2	AG,ID	Road Crossing
	Monroe	ATWS-1776	230.7	230.7	Left	236	75	0.4	AG,ID,RE	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-3960	230.7	230.7	Right	109	50	0.1	AG,ID,RE	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-3959	230.7	230.7	Left	123	75	0.2	AG	Waterbody Crossing
	Monroe	ATWS-1778	230.7	231.2	Left	2437	25	1.4	AG	Topsoil Segregation
	Monroe	ATWS-1779	231.2	231.3	Left	328	75	0.6	AG,ID	Bend Installation and Road Crossing
	Monroe	ATWS-3958	231.2	231.2	Right	158	25	0.1	AG,ID	Bend Installation and Road Crossing
	Monroe	ATWS-3957	231.2	231.3	Right	142	50	0.2	AG,ID,OL	Road Crossing
	Monroe	ATWS-1782	231.3	231.3	Left	108	75	0.2	ID,OL	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Monroe	ATWS-1783	231.3	231.4	Left	517	75	0.9	AG,ID	Road and Waterbody Crossing
	Monroe	ATWS-1784	231.4	231.4	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-1788	231.4	231.9	Left	2237	25	1.3	AG,OL	Topsoil Segregation
	Monroe	ATWS-1786	231.9	231.9	Left	150	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-1787	231.9	231.9	Left	150	75	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-1789	231.9	232.2	Left	1187	25	0.7	AG,OL	Topsoil Segregation
	Monroe	ATWS-3956	232.2	232.2	Left	284	50	0.3	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-1791	232.2	232.3	Left	199	75	0.3	AG,ID	Road Crossing
	Monroe	ATWS-1790	232.2	232.3	Left	139	75	0.2	AG,ID	Road Crossing
	Monroe	ATWS-1792	232.3	232.4	Left	402	25	0.2	AG	Topsoil Segregation
	Monroe	ATWS-3955	232.4	232.4	Left	98	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-2806	232.4	232.4	Left	99	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-2098	232.4	232.5	Left	112	75	0.2	AG,ID,RE	Road and Waterbody Crossing
	Monroe	ATWS-1793	232.5	232.5	Left	322	75	0.6	AG	Road and Waterbody Crossing
	Monroe	ATWS-1798	232.5	232.9	Left	2054	25	1.2	AG	Topsoil Segregation
	Monroe	ATWS-1794	232.9	233.0	Left	312	50	0.4	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-1796	233.0	233.0	Right	337	75	0.6	AG	Rail and Road Crossing
	Monroe	ATWS-1795	233.0	233.0	Left	183	100	0.4	AG	Rail Crossing
	Monroe	ATWS-2071	233.0	233.0	Right	77	202	0.4	AG,ID,OL	Equipment Access Around Road and Rail Crossing
	Monroe	ATWS-3953	233.1	233.1	Left	162	100	0.4	AG,ID,OL	Rail and Road Crossing
	Monroe	ATWS-1797	233.1	233.1	Left	115	100	0.3	AG,ID	Rail and Road Crossing
	Monroe	ATWS-3954	233.1	233.2	Left	344	65	0.5	AG	Road and Rail Bore Pull Back String

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Monroe	ATWS-1799	233.1	233.2	Left	351	25	0.2	AG	Topsoil Segregation
	Monroe	ATWS-3950	233.2	233.2	Right	347	25	0.2	AG,OL	Bend Installation
	Monroe	ATWS-3951	233.2	233.2	Left	205	50	0.2	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-3952	233.2	233.2	Left	157	25	0.1	AG	Topsoil Segregation
	Monroe	ATWS-3948	233.2	233.3	Left	133	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-3949	233.2	233.3	Right	213	50	0.2	OL	Waterbody Crossing
	Monroe	ATWS-3947	233.3	233.3	Left	140	75	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-3946	233.3	233.3	Right	100	50	0.1	OL	Waterbody Crossing
	Monroe	ATWS-1800	233.3	233.6	Left	1808	25	1.0	AG	Topsoil Segregation
	Monroe	ATWS-3942	233.6	233.7	Left	132	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-3943	233.6	233.7	Right	247	50	0.3	AG	Waterbody Crossing
	Monroe	ATWS-3941	233.7	233.7	Left	221	75	0.4	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-3940	233.7	233.7	Right	119	50	0.1	AG,OL	Waterbody Crossing
	Monroe	ATWS-2099	233.7	233.9	Left	1033	25	0.6	AG	Topsoil Segregation
	Monroe	ATWS-1801	233.9	234.0	Left	310	50	0.4	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-4340	233.9	234.0	Right	200	25	0.1	AG	Bend Installation
	Monroe	ATWS-1805	234.0	234.2	Left	1198	25	0.7	AG	Topsoil Segregation
	Monroe	ATWS-3939	234.2	234.3	Left	175	75	0.3	AG,ID,RE	Road and Waterbody Crossing
	Monroe	ATWS-1803	234.2	234.3	Right	170	50	0.2	AG,ID	Road and Waterbody Crossing
	Monroe	ATWS-1806	234.3	234.4	Left	721	75	1.2	AG,OL	Road and Waterbody Crossing
	Monroe	ATWS-1802	234.3	234.4	Right	354	50	0.4	AG	Bend Installation and Road and Waterbody Crossing
	Monroe	ATWS-3938	234.4	234.4	Right	256	50	0.3	ID,RE	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Monroe	ATWS-3937	234.4	234.4	Left	200	75	0.3	ID,RE	Road and Waterbody Crossing
	Monroe	ATWS-3936	234.4	234.5	Right	248	50	0.3	AG,ID,OL	Road Crossing
	Monroe	ATWS-1807	234.4	234.5	Left	166	75	0.3	AG,ID,OL	Road Crossing
	Monroe	ATWS-3935	234.5	234.6	Left	403	50	0.5	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-1810	234.6	234.6	Left	263	25	0.2	AG	Topsoil Segregation
	Monroe	ATWS-1809	234.6	234.6	Left	152	75	0.3	AG,ID,OL	Road Crossing
	Monroe	ATWS-3934	234.6	234.7	Right	248	50	0.3	AG,ID,OL	Road Crossing
	Monroe	ATWS-2188	234.6	234.7	Left	206	75	0.4	AG,ID,OL	Road Crossing
	Monroe	ATWS-3933	234.7	234.7	Right	113	50	0.1	AG,ID,OL	Road Crossing
	Monroe	ATWS-1812	234.7	234.8	Left	814	25	0.5	AG	Topsoil Segregation
	Monroe	ATWS-1811	234.8	234.9	Right	334	25	0.2	AG,OL	Bend Installation
	Monroe	ATWS-3944	234.8	234.9	Left	200	50	0.2	AG	Wetland Crossing and Topsoil Segregation
	Monroe	ATWS-3945	234.9	235.0	Left	506	25	0.3	AG	Topsoil Segregation
	Monroe	ATWS-3932	235.0	235.1	Left	745	25	0.4	AG	Topsoil Segregation
	Monroe	ATWS-3931	235.1	235.2	Left	413	50	0.5	AG	Bend Installation and Topsoil Segregation
	Monroe	ATWS-2189	235.2	235.3	Left	439	25	0.3	AG	Topsoil Segregation
	Monroe	ATWS-3930	235.3	235.3	Left	143	50	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-3929	235.3	235.4	Left	157	50	0.2	AG,OL	Waterbody Crossing and Topsoil Segregation
	Monroe	ATWS-2608	235.4	235.8	Left	2169	25	1.2	AG	Topsoil Segregation
	Monroe	ATWS-3928	235.8	235.9	Left	652	75	1.1	AG	Wetland Crossing and Topsoil Segregation
	Monroe	ATWS-4342	236.0	236.1	Left	375	75	0.6	AG,FW	Wetland Crossing and Topsoil Segregation
	Monroe	ATWS-4341	236.1	236.1	Left	364	25	0.2	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Monroe	ATWS-2609	236.1	236.2	Left	221	75	0.4	AG	Road Crossing
	Monroe	ATWS-2610	236.1	236.2	Right	222	75	0.4	AG	Road and Wetland Crossing
	Monroe	ATWS-4343	236.2	236.2	Left	44	75	0.1	AG	Road Crossing
	Monroe	ATWS-2611	236.2	236.3	Right	152	75	0.3	AG	Road and Wetland Crossing
	Monroe	ATWS-4373	236.3	236.3	Left	336	75	0.6	AG	Road Crossing
	Monroe	ATWS-2612	236.3	236.7	Left	2148	25	1.2	AG	Topsoil Segregation
	Monroe	ATWS-3927	236.8	236.8	Left	157	25	0.1	AG,OL	Topsoil Segregation
	Washtenaw	ATWS-3926	236.8	236.9	Left	324	25	0.2	AG	Topsoil Segregation
	Washtenaw	ATWS-3924	236.9	237.0	Left	404	50	0.5	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-3925	237.0	237.4	Left	2301	25	1.3	AG	Topsoil Segregation
	Washtenaw	ATWS-4420	237.2	237.2	Left	90	75	0.1	AG	Access To Hydrostatic Test Water
	Washtenaw	ATWS-3923	237.3	237.4	Right	223	25	0.1	AG	Bend Installation
	Washtenaw	ATWS-4375	237.4	237.4	Left	60	25	0.0	AG,FW,OW	Access To Hydrostatic Test Water
	Washtenaw	ATWS-2046	237.4	237.5	Right	349	100	0.8	AG	HDD Entry Location
	Washtenaw	ATWS-1658	237.4	237.5	Left	349	75	0.6	AG	HDD Entry Location
	Washtenaw	ATWS-2047	237.7	237.7	Left	443	100	1.0	AG	HDD Exit Location
	Washtenaw	ATWS-3922	237.7	238.0	Right	1484	75	2.6	AG,OL	HDD Exit Location
	Washtenaw	ATWS-1657	237.7	238.2	Left	2498	75	4.3	AG,OL	HDD Pull Back String and Road and Waterbody Crossing
	Washtenaw	ATWS-3921	238.2	238.3	Right	249	25	0.1	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-1820	238.2	238.3	Left	195	75	0.3	AG,ID	Bend Installation and Road Crossing
	Washtenaw	ATWS-1822	238.3	238.4	Left	898	25	0.5	AG	Topsoil Segregation
	Washtenaw	ATWS-1821	238.4	238.5	Left	293	125	0.8	AG,OL	Rail Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-1823	238.5	238.6	Left	239	125	0.7	AG	Rail Crossing
	Washtenaw	ATWS-1824	238.6	238.9	Left	1852	25	1.1	AG	Topsoil Segregation
	Washtenaw	ATWS-3919	238.9	239.0	Left	300	50	0.3	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-3920	239.0	239.1	Left	436	25	0.3	AG	Topsoil Segregation
	Washtenaw	ATWS-2215	239.1	239.1	Left	93	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3512	239.1	239.1	Right	124	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-2214	239.1	239.1	Left	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3918	239.1	239.1	Right	136	50	0.2	AG	Bend Installation and Waterbody Crossing
	Washtenaw	ATWS-2213	239.1	239.2	Left	317	25	0.2	AG	Topsoil Segregation
	Washtenaw	ATWS-2212	239.2	239.2	Left	105	50	0.1	AG	Road Crossing
	Washtenaw	ATWS-3917	239.2	239.2	Right	100	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-2210	239.2	239.3	Left	153	75	0.3	AG	Waterbody Crossing
	Washtenaw	ATWS-3507	239.2	239.3	Right	168	50	0.2	AG	Bend Installation and Waterbody Crossing
	Washtenaw	ATWS-1827	239.2	239.3	Left	151	25	0.1	AG	Topsoil Segregation
	Washtenaw	ATWS-3506	239.3	239.3	Right	158	50	0.2	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-2753	239.3	239.3	Left	125	75	0.2	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-2752	239.3	239.4	Left	163	75	0.3	AG,OL	Road and Waterbody Crossing
	Washtenaw	ATWS-3505	239.3	239.4	Right	116	50	0.1	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-2751	239.4	239.5	Left	945	25	0.5	AG	Topsoil Segregation
	Washtenaw	ATWS-2748	239.5	239.6	Right	258	100	0.6	AG	Bend Installation and Road and Wetland Crossing
	Washtenaw	ATWS-3916	239.5	239.6	Left	239	80	0.4	AG	Bore Pull Back String
	Washtenaw	ATWS-2750	239.5	239.6	Left	289	100	0.7	AG,OL	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-1829	239.6	239.7	Right	231	100	0.5	OL	Road and Wetland Crossing
	Washtenaw	ATWS-2749	239.6	239.7	Left	247	100	0.6	OL	Bend Installation and Road, Waterbody and Wetland Crossing
	Washtenaw	ATWS-1831	239.7	239.8	Left	439	25	0.3	AG,OL	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-1833	239.8	239.8	Left	137	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-1832	239.8	239.9	Left	146	75	0.3	AG,FW	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3915	239.9	239.9	Left	181	25	0.1	AG	Topsoil Segregation
	Washtenaw	ATWS-1835	239.9	240.0	Left	348	75	0.6	AG,FW	Bend Installation and Road Crossing
	Washtenaw	ATWS-1836	240.0	240.1	Left	220	220	1.1	AG	Road Crossing
	Washtenaw	ATWS-1837	240.1	240.6	Left	2909	25	1.7	AG,OL	Topsoil Segregation
	Washtenaw	ATWS-1838	240.6	240.8	Left	662	25	0.4	AG,OL	Topsoil Segregation
	Washtenaw	ATWS-3914	240.8	240.8	Left	143	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3504	240.8	240.9	Left	160	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-1840	240.9	241.0	Left	882	25	0.5	AG	Topsoil Segregation
	Washtenaw	ATWS-3913	241.0	241.1	Left	243	50	0.3	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-1842	241.1	241.1	Left	190	75	0.3	AG,ID,OL	Road Crossing
	Washtenaw	ATWS-1841	241.1	241.2	Left	83	75	0.1	AG,ID	Road Crossing
	Washtenaw	ATWS-1843	241.3	241.4	Left	951	25	0.5	AG	Topsoil Segregation
	Washtenaw	ATWS-3503	241.4	241.5	Left	148	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3502	241.5	241.5	Left	118	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-2665	241.5	241.5	Left	201	25	0.1	AG	Topsoil Segregation
	Washtenaw	ATWS-3912	241.5	241.6	Right	150	50	0.2	AG	Existing Pipeline Crossing Topsoil Segregation
	Washtenaw	ATWS-3501	241.6	241.6	Right	154	25	0.1	AG	Topsoil Segregation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-2667	241.6	241.7	Right	690	25	0.4	AG	Topsoil Segregation
	Washtenaw	ATWS-2663	241.7	241.8	Right	187	75	0.3	AG,ID	Road and Existing Pipeline Crossing
	Washtenaw	ATWS-1844	241.7	241.8	Left	156	25	0.1	AG	Road and Existing Pipeline Crossing
	Washtenaw	ATWS-1845	241.8	241.8	Left	252	75	0.4	AG,ID	Bend Installation and Road Crossing
	Washtenaw	ATWS-1846	241.8	241.8	Right	179	75	0.3	AG,ID	Road Crossing
	Washtenaw	ATWS-1666	241.8	242.2	Right	2204	25	1.3	AG	Topsoil Segregation
	Washtenaw	ATWS-2669	242.2	242.3	Left	229	75	0.3	AG,ID	Road and Waterbody Crossing
	Washtenaw	ATWS-1848	242.2	242.3	Right	358	75	0.6	AG,ID	Road and Waterbody Crossing
	Washtenaw	ATWS-2668	242.3	242.3	Left	500	75	0.8	AG,OL	Road and Waterbody Crossing
	Washtenaw	ATWS-1850	242.3	242.3	Right	285	75	0.4	AG,OL	Road and Waterbody Crossing
	Washtenaw	ATWS-1852	242.4	242.4	Right	340	25	0.2	AG,OL	Waterbody Crossing
	Washtenaw	ATWS-2670	242.4	242.4	Left	231	75	0.4	AG,OL	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-1851	242.4	242.5	Right	319	50	0.4	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-3910	242.4	242.5	Left	412	25	0.2	AG	Bend Installation
	Washtenaw	ATWS-1668	242.5	242.8	Right	1462	25	0.8	AG	Topsoil Segregation
	Washtenaw	ATWS-2190	242.8	243.3	Right	2456	25	1.4	AG	Topsoil Segregation
	Washtenaw	ATWS-485	243.3	243.3	Right	160	75	0.3	AG,ID,OL	Road Crossing
	Washtenaw	ATWS-3500	243.3	243.3	Left	163	50	0.2	AG,ID,OL	Road Crossing
	Washtenaw	ATWS-484	243.3	243.3	Right	158	75	0.3	AG,ID	Road Crossing
	Washtenaw	ATWS-1853	243.3	243.7	Right	2191	25	1.3	AG	Topsoil Segregation
	Washtenaw	ATWS-2679	243.7	243.8	Left	279	75	0.5	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-2678	243.7	243.8	Right	273	75	0.5	AG	Road and Waterbody Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-2681	243.8	243.8	Right	263	75	0.5	AG,ID	Road and Waterbody Crossing
	Washtenaw	ATWS-2680	243.8	243.8	Left	172	75	0.3	AG,ID	Road and Waterbody Crossing
	Washtenaw	ATWS-3472	243.8	243.9	Right	614	25	0.4	AG	Topsoil Segregation
	Washtenaw	ATWS-3499	243.9	244.2	Right	1162	75	2.0	AG,FW	Waterbody Crossing, Wetland Crossing and Topsoil Segregation
	Washtenaw	ATWS-3498	244.1	244.2	Left	200	50	0.2	AG	Waterbody and Wetland Crossing.
	Washtenaw	ATWS-2691	244.3	244.4	Right	528	75	0.9	AG,FW	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3908	244.6	244.7	Right	133	25	0.1	AG,FW,OL	Bend Installation and Waterbody Crossing
	Washtenaw	ATWS-3909	244.6	244.7	Left	183	25	0.1	AG,OL	Bend Installation and Waterbody Crossing
	Washtenaw	ATWS-2686	244.7	244.9	Right	1013	25	0.6	AG	Topsoil Segregation
	Washtenaw	ATWS-3497	244.7	244.8	Left	380	75	0.7	AG	Bend Installation and Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-2687	244.9	245.0	Left	246	50	0.3	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-2685	244.9	244.9	Right	132	75	0.2	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-3907	244.9	245.0	Right	183	50	0.2	AG,ID	Road and Wetland Crossing
	Washtenaw	ATWS-2688	245.0	245.0	Left	172	50	0.2	AG,ID	Road, Wetland and Waterbody Crossing
	Washtenaw	ATWS-2689	245.0	245.0	Right	87	50	0.1	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-481	245.0	245.0	Left	114	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-3906	245.0	245.0	Right	100	50	0.1	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-1654	245.0	245.2	Right	697	25	0.4	AG,OL	Topsoil Segregation
	Washtenaw	ATWS-3905	245.2	245.2	Right	174	50	0.2	OL	Road and Wetland Crossing
	Washtenaw	ATWS-480	245.2	245.2	Left	151	50	0.2	OL	Road and Wetland Crossing
	Washtenaw	ATWS-4390	245.2	245.3	Right	182	25	0.1	ID,OL	Road and Wetland Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-1652	245.2	245.3	Left	151	75	0.3	OL	Road and Wetland Crossing
	Washtenaw	ATWS-1651	245.3	245.5	Right	982	25	0.6	AG,FW	Topsoil Segregation
	Washtenaw	ATWS-2675	245.5	246.2	Right	3443	25	2.0	AG,FW	Topsoil Segregation
	Washtenaw	ATWS-3904	245.6	245.6	Left	300	25	0.2	AG	Bend Installation
	Washtenaw	ATWS-3903	245.7	245.7	Left	151	25	0.1	AG	Bend Installation
	Washtenaw	ATWS-3902	245.8	245.8	Left	145	25	0.1	AG,FW	Bend Installation
	Washtenaw	ATWS-2674	246.2	246.2	Right	322	75	0.6	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-3900	246.2	246.2	Left	301	25	0.2	AG	Bend Installation
	Washtenaw	ATWS-1647	246.3	246.4	Right	334	75	0.6	AG	Waterbody and Wetland Crossing
	Washtenaw	ATWS-3901	246.3	246.4	Left	307	50	0.4	AG	Waterbody and Wetland Crossing
	Washtenaw	ATWS-1859	246.4	246.5	Right	936	25	0.5	AG	Topsoil Segregation
	Washtenaw	ATWS-3492	246.5	246.6	Left	183	50	0.2	AG,ID	Road and Waterbody Crossing
	Washtenaw	ATWS-479	246.5	246.6	Right	186	75	0.3	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-478	246.6	246.6	Right	185	75	0.3	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-3491	246.6	246.6	Left	184	50	0.2	AG	Road and Waterbody Crossing
	Washtenaw	ATWS-1645	246.6	247.2	Right	2991	25	1.7	AG	Topsoil Segregation
	Washtenaw	ATWS-2673	246.8	246.9	Left	541	25	0.3	AG	Bend Installation
	Washtenaw	ATWS-3490	247.2	247.2	Left	100	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-3488	247.2	247.2	Right	143	75	0.3	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3489	247.2	247.2	Left	120	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-1861	247.2	247.4	Right	1099	25	0.6	AG	Topsoil Segregation
	Washtenaw	ATWS-2692	247.4	247.4	Left	350	50	0.4	AG	Bend Installation and Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-3896	247.4	247.4	Right	162	50	0.3	AG	Bend Installation and Road Crossing
	Washtenaw	ATWS-1642	247.4	247.5	Left	420	50	0.5	AG,ID	Bend Installation and Road Crossing
	Washtenaw	ATWS-3895	247.4	247.5	Right	239	50	0.3	AG,ID	Bend Installation and Road Crossing
	Washtenaw	ATWS-1860	247.5	247.6	Right	497	25	0.3	AG	Topsoil Segregation
	Washtenaw	ATWS-1641	247.6	247.7	Right	334	50	0.4	AG	Bend Installation and Topsoil Segregation
	Washtenaw	ATWS-3894	247.6	247.6	Left	200	25	0.1	AG	Bend Installation
	Washtenaw	ATWS-3487	247.9	248.0	Right	407	25	0.2	RE	Bend Installation
	Washtenaw	ATWS-3486	248.0	248.0	Left	144	50	0.2	ID,RE	Road Crossing
	Washtenaw	ATWS-3485	248.0	248.0	Right	94	50	0.1	ID,RE	Road Crossing
	Washtenaw	ATWS-1638	248.0	248.0	Left	222	50	0.3	AG,ID,OL	Bend Installation and Road Crossing
	Washtenaw	ATWS-1640	248.0	248.0	Right	224	75	0.4	AG,OL	Bend Installation and Road Crossing
	Washtenaw	ATWS-1639	248.0	248.1	Right	479	25	0.3	AG,OL	Topsoil Segregation
	Washtenaw	ATWS-1637	248.1	248.1	Left	207	75	0.4	AG,ID,OL	Road Crossing
	Washtenaw	ATWS-2676	248.1	248.2	Left	264	50	0.3	FW,OL,RE	Road and Waterbody Crossing
	Washtenaw	ATWS-2677	248.2	248.2	Right	213	50	0.2	FW,OL	Road and Waterbody Crossing
	Washtenaw	ATWS-1636	248.3	248.3	Right	312	25	0.2	FW,OL	Bend Installation
	Washtenaw	ATWS-3495	248.4	248.4	Left	75	50	0.1	AG,OL	Waterbody Crossing
	Washtenaw	ATWS-3496	248.4	248.5	Right	100	75	0.2	AG	Waterbody Crossing and Topsoil Segregation
	Washtenaw	ATWS-3494	248.4	248.5	Left	75	50	0.1	AG	Waterbody Crossing
	Washtenaw	ATWS-1862	248.5	248.6	Right	514	25	0.3	AG	Topsoil Segregation
	Washtenaw	ATWS-3893	248.5	248.5	Left	150	25	0.1	AG	Existing Pipeline Crossing
	Washtenaw	ATWS-3493	248.6	248.6	Right	152	25	0.1	RE	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-1634	248.7	248.7	Left	231	50	0.3	AG,ID,OL	Bend Installation and Road Crossing
	Washtenaw	ATWS-3483	248.7	248.7	Right	97	50	0.1	ID,RE	Road Crossing
	Washtenaw	ATWS-3482	248.7	248.7	Right	164	50	0.2	AG,ID,OL	Road Crossing
	Washtenaw	ATWS-1633	248.7	248.8	Right	643	25	0.4	AG	Topsoil Segregation
	Washtenaw	ATWS-2050	248.8	248.9	Left	116	25	0.1	AG,OL	Existing Pipeline Crossing
	Washtenaw	ATWS-3481	248.8	248.9	Right	150	50	0.2	AG	Waterbody Crossing
	Washtenaw	ATWS-3892	248.9	249.0	Right	510	25	0.3	FW,OL	Bend Installation and Wetland Crossing
	Washtenaw	ATWS-3891	249.1	249.1	Left	79	50	0.1	OL	Existing Pipeline and Wetland Crossing
	Washtenaw	ATWS-3890	249.2	249.2	Left	278	50	0.3	FW,OL	Existing Pipeline and Wetland Crossing
	Washtenaw	ATWS-3889	249.2	249.2	Right	300	50	0.3	FW,OL	Existing Pipeline and Wetland Crossing
	Washtenaw	ATWS-2051	249.4	249.6	Left	546	100	1.3	ID,FW,OL	Road and Wetland Crossing
	Washtenaw	ATWS-3480	250.0	250.1	Right	291	50	0.3	AG,ID,OL	Equipment Access From Staging Area and Topsoil Segregation and Crossing Past Commercial Structure
	Washtenaw	ATWS-1632	250.2	250.3	Left	334	75	0.6	ID,OL	Existing Pipeline and Road Crossing
	Washtenaw	ATWS-489	250.2	250.3	Right	194	75	0.3	ID,FW,OL	Road and Existing Pipeline Crossing
	Washtenaw	ATWS-3888	250.3	250.4	Right	436	50	0.5	FW,OL	Bend Installation and Wetland Crossing
	Washtenaw	ATWS-3887	250.4	250.4	Left	117	25	0.1	FW,OL	Wetland Crossing
	Washtenaw	ATWS-3886	250.5	250.6	Left	306	25	0.2	FW,OL	Bend Installation
	Washtenaw	ATWS-1620	250.6	250.7	Left	411	178	1.0	FW,OL	HDD Entry Location and Bend Installation
	Washtenaw	ATWS-1619	250.6	250.7	Right	1221	251	3.4	FW,OL	HDD Entry Location
	Washtenaw	ATWS-1621	251.1	251.1	Right	2355	200	8.6	ID,FW,OL,OW	Access To Hydrostatic Test Water
	Washtenaw	ATWS-4391	251.1	251.1	Right	109	25	0.1	ID,FW,OL	HDD Exit Location

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-3885	251.1	251.2	Left	153	25	0.1	FW	Wetland Crossing
	Washtenaw	ATWS-3884	251.2	251.3	Left	746	25	0.4	OL	Topsoil Segregation
	Washtenaw	ATWS-1622	251.3	251.4	Left	361	75	0.6	ID,OL	Bend Installation and Road Crossing
	Washtenaw	ATWS-552	251.4	251.7	Right	980	200	4.5	ID,OL	Road and Multilane Interstate Highway Crossing, Equipment/ Material Staging and Topsoil Segregation
	Washtenaw	ATWS-3883	251.7	251.8	Right	424	75	0.7	FW	Road and Waterbody Crossing
	Washtenaw	ATWS-490	251.8	252.0	Right	954	75	1.6	ID,FW,OL	Bend Installation and Road and Waterbody Crossing
	Washtenaw	ATWS-4392	252.1	252.2	Left	207	50	0.2	ID,FW	Extra Work Space Passing Commercial Junk Yard To Change Row Configuration To Stay Out of The Junk Yard
	Washtenaw	ATWS-1623	252.2	252.2	Left	329	75	0.6	ID,FW,RE	Bend Installation and Road Crossing
	Washtenaw	ATWS-4260	252.2	252.2	Right	79	95	0.2	ID,FW	Road Crossing
	Washtenaw	ATWS-2672	252.2	252.3	Right	226	75	0.4	ID,FW	Road Crossing
	Washtenaw	ATWS-3882	252.3	252.4	Left	683	50	0.8	ID,FW,OL	Road and Existing Pipeline Crossing
	Washtenaw	ATWS-1625	252.3	252.4	Right	631	50	0.7	ID,FW,OL	Road and Existing Pipeline Crossing
	Washtenaw	ATWS-3881	252.4	252.4	Left	248	75	0.4	ID,OL	Bend Installation and Road Crossing
	Washtenaw	ATWS-3880	252.4	252.8	Left	1700	140	5.2	ID,OL	Spoil, Equipment and Material Storage for Congested Area Working In Road Median
	Washtenaw	ATWS-3879	252.5	252.8	Left	1252	25	0.7	OL	Extra Work Space In Congested Area Working In Road Median
	Washtenaw	ATWS-3473	252.5	252.7	Right	993	25	0.6	ID,OL	Topsoil Segregation
	Washtenaw	ATWS-2682	252.7	252.8	Right	206	50	0.2	ID,OL	Existing Pipeline Crossing and Topsoil Segregation
	Washtenaw	ATWS-2613	252.8	252.8	Right	75	25	0.0	ID,OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-4410	252.8	252.9	Left	665	150	2.3	ID,OL	Spoil, Equipment and Material Storage for Congested Area Working In Road Median
	Washtenaw	ATWS-2614	252.8	252.9	Right	357	45	0.4	ID,OL	Extra Work Space In Congested Area Working In Road Median
	Washtenaw	ATWS-2615	252.9	252.9	Right	180	25	0.1	ID,OL	Extra Work Space In Congested Area Working In Road Median
	Washtenaw	ATWS-4411	252.9	253.0	Left	280	150	0.6	ID,OL	Extra Work Space In Congested Area Working In Road Median
	Washtenaw	ATWS-2712	252.9	253.1	Right	801	25	0.5	ID,OL	Topsoil Segregation
	Washtenaw	ATWS-4412	252.9	253.1	Left	995	150	3.0	ID,OL	Spoil, Equipment and Material Storage for Congested Area Working In Road Median
	Washtenaw	ATWS-4421	253.1	253.2	Right	435	65	0.5	ID,OL	Extra Work Space In Congested Area Working In Road Median
	Washtenaw	ATWS-3877	253.1	253.2	Left	178	75	0.3	OL	Bore Pull Back String
	Washtenaw	ATWS-3878	253.2	253.2	Left	243	75	0.4	OL	Road Crossing
	Washtenaw	ATWS-2713	253.2	253.3	Right	462	100	1.1	ID,OL	Road Crossing and Access To Bore Pit
	Washtenaw	ATWS-2714	253.2	253.2	Left	131	75	0.2	ID,OL	Road Crossing
	Washtenaw	ATWS-2716	253.3	253.4	Left	513	75	0.9	ID,OL	Bend Installation and Road, Waterbody and Wetland Crossing
	Washtenaw	ATWS-2717	253.3	253.4	Right	431	75	0.7	ID,FW,OL	Bend Installation and Road, Waterbody and Wetland Crossing
	Washtenaw	ATWS-3875	253.4	253.4	Right	210	75	0.4	ID,FW,OL	Road, Wetland and Waterbody Crossing
	Washtenaw	ATWS-3876	253.4	253.5	Left	231	100	0.5	ID,FW,OL	Road, Wetland and Waterbody Crossing
	Washtenaw	ATWS-2718	253.5	253.6	Left	396	25	0.2	ID,OL	Bend Installation
	Washtenaw	ATWS-3479	253.6	253.7	Right	305	25	0.2	ID	Bend Installation
	Washtenaw	ATWS-3873	253.7	253.7	Left	200	25	0.1	ID	Bend Installation

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Washtenaw	ATWS-3871	253.9	253.9	Left	373	75	0.6	ID,OL	Road Crossing
	Washtenaw	ATWS-3870	253.9	254.0	Right	213	125	0.6	ID,OL	Road Crossings Under Road Ramps (Raised Road Sections)
	Washtenaw	ATWS-3869	253.9	254.0	Left	263	100	0.6	ID,OL	Road Crossing
	Washtenaw	ATWS-3872	254.0	254.1	Left	268	75	0.5	ID,OL	Road Crossing
	Washtenaw	ATWS-2719	254.1	254.3	Right	793	25	0.4	ID,OL	Topsoil Segregation
	Washtenaw	ATWS-3442	254.2	254.3	Left	211	50	0.2	OL	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Washtenaw	ATWS-3868	254.3	254.4	Left	968	50	1.1	ID,FW,OL	Bend Installation and Existing Pipeline Crossing and Topsoil Segregation
	Washtenaw	ATWS-3477	254.4	254.4	Right	194	50	0.2	FW,OL	Existing Pipeline and Road Crossing
	Wayne	ATWS-3476	254.4	254.5	Right	194	25	0.1	ID,FW,OL	Road Crossing
	Wayne	ATWS-2721	254.4	254.5	Left	348	75	0.6	ID,FW,OL	Bend Installation and Road and Wetland Crossing
	Wayne	ATWS-3475	254.5	254.5	Right	192	75	0.3	ID,FW,OL	Road and Wetland Crossing
	Wayne	ATWS-2723	254.6	254.6	Left	292	250	1.7	ID,FW,OL	Road and Wetland Crossing and Additional Area for Equipment and Material Storage In Congested Area Leading Into Willow Run M&R Station
	Wayne	ATWS-3474	254.6	254.6	Right	230	75	0.4	FW	Road and Wetland Crossing
	Wayne	ATWS-3874	254.6	254.7	Left	261	25	0.1	FW	Bend Installation
	Wayne	ATWS-2740	254.8	254.8	Right	356	100	0.8	FW	Bend Installation and Rail Crossing
	Wayne	ATWS-2725	254.8	254.8	Left	112	100	0.3	FW	Bend Installation and Rail and Wetland Crossing
	Wayne	ATWS-2741	254.8	254.9	Left	145	100	0.3	OL	Bend Installation and Rail and Road Crossing
	Wayne	ATWS-2742	254.8	254.9	Right	428	100	1.0	ID,OL	Bend Installation and Rail and Road Crossing
	Wayne	ATWS-2743	254.9	255.0	Left	208	100	0.5	OL	Road Crossing

TABLE 8.2-5

Location of ATWS Along the NEXUS Pipeline Segments

State, Facility	County	ATWS ID	Start MP a/	End MP a/	Side of Work Area	Nominal Dimension b/ (feet) Length	Nominal Dimension b/ (feet) Width	Area Affected (ATWS) (acres) c/	Existing Land Use d/	Justification
	Wayne	ATWS-2744	254.9	255.0	Right	218	100	0.5	FW,OL	Road and Wetland Crossing
	Wayne	ATWS-3866	255.0	255.1	Right	559	75	1.0	FW,OL	Extra Workspace for Street Lay Installation for The Final Segment of Pipeline Into Willow Run M&R Station
	Wayne	ATWS-3867	255.0	255.1	Left	534	50	0.6	ID,OL	Extra Workspace for Street Lay Installation for The Final Segment of Pipeline Into Willow Run M&R Station
	Washtenaw	ATWS-4413	255.2	255.2	Right	310	240	1.2	ID,OL	Willow Run M&R Workspace.

Note: N/A = Not applicable.

a/ Approximate milepost along the pipeline rounded to the nearest tenth of a mile.

b/ Dimensions for ATWS and TWS areas are approximate. For irregularly shaped ATWS or TWS, the approximate dimensions of two of the sides are presented.

c/ Area shown is the actual area of the ATWS shape, calculated using GIS software. Nominal length x width will only match this area if the ATWS 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.

d/ Open Land = OL (non-agricultural), AG = Agricultural, FW = Forested/Woodland, ID = Industrial/Commercial, RE = Residential, OW = Open Water

TABLE 8.2-6

NEXUS Project Aboveground Facilities Existing Land Uses

Facility Type, Facility	County, State	Existing or New (E, N)	Leased or Owned (L, O)	Existing Land Uses a/	Predominant Land Use a/	Existing Property Size (acres)	Construction Requirements (acres) b/	Operation Requirements (acres) c/	New Land Requirements (acres) d/
Compressor Stations									
Compressor Station 1- Hanoverton	Columbiana County, Ohio	N	O	AG, OL	AG	119.6	96.2	23.9	23.9
Compressor Station 2-Wadsworth	Medina County, Ohio	N	O	AG, RE, OL	AG	76.5	64.0	19.8	19.8
Compressor Station 3-Clyde	Sandusky County, Ohio	N	O	AG, ID, OL	AG	59.2	60.7	48.1	48.1
Compressor Station 4-Waterville	Lucas County, Ohio	N	O	AG, OL, ID	AG	49.6	37.7	34.1	34.1
M&R Stations e/									
MR01	Columbiana County, Ohio	N	O	AG, OL, ID	AG	35.3	10.4	2.0	2.0
MR02 and MR03	Columbiana County, Ohio	N	O	AG, FW, ID	AG	117.2	10.4	4.3	4.3
MR04	Washtenaw County, Michigan	N	O	ID, OL	ID	3.7	1.0	0.7	0.7
MR05	Erie County, Ohio	N	O	AG	AG	19	8.8	1.9	1.9
Additional Aboveground Facilities f/g/									
MLV-1	Stark County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-2	Stark County, Ohio	N	O	FW, AG	FW	0.05	0.05	0.05	0.05
MLV-3	Summit County, Ohio	N	O	FW	FW	0.05	0.05	0.05	0.05
MLV-4	Wayne	N	O	AG	AG	0.05	0.05	0.05	0.05

TABLE 8.2-6

NEXUS Project Aboveground Facilities Existing Land Uses

Facility Type, Facility	County, State	Existing or New (E, N)	Leased or Owned (L, O)	Existing Land Uses a/	Predominant Land Use a/	Existing Property Size (acres)	Construction Requirements (acres) b/	Operation Requirements (acres) c/	New Land Requirements (acres) d/
	County, Ohio								
MLV-5	Medina County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-6	Medina County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-7	Lorain County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-8	Lorain County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-9	Erie County, Ohio	N	O	AG/OL	AG	0.07	0.07	0.07	0.07
MLV-10	Erie County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-11	Sandusky County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-12	Sandusky County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-13	Wood County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-14	Fulton County, Ohio	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-15	Lenawee County, Michigan	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-16	Lenawee County, Michigan	N	O	AG	AG	0.05	0.05	0.05	0.05
MLV-17	Washtenaw County,	N	O	AG	AG	0.05	0.05	0.05	0.05

TABLE 8.2-6

NEXUS Project Aboveground Facilities Existing Land Uses

Facility Type, Facility	County, State	Existing or New (E, N)	Leased or Owned (L, O)	Existing Land Uses a/	Predominant Land Use a/	Existing Property Size (acres)	Construction Requirements (acres) b/	Operation Requirements (acres) c/	New Land Requirements (acres) d/
	Michigan								

a/ OL = Open Land (non-agricultural), AG = Agricultural, FW = Forested/Woodland, ID = Industrial/Commercial, RE = Residential

b/ Construction requirements for aboveground facilities are comprised of the permanent operation area, TWS and ATWS, if applicable.

c/ Acreage includes all areas inside perimeter fencing, but does not include land affected by construction of the pipelines. Temporary construction workspace outside of these areas is to be restored.

d/ Includes new land to be leased or owned by NEXUS.

e/ MR02 and MR03 are located on Utica East Ohio Midstream LLC property. MR04 is located on DTE Gas Company (DTE Energy) property.

f/ Additional aboveground facilities are located outside the boundaries of a Compressor or M&R Station.

g/ Construction and Operation requirements for MLVs are included in permanent easement calculations in Resource Report 1.

TABLE 8.2-7

Land Use Acreage Affected by Aboveground Facilities of the NEXUS Project (acres)

Facility	County, State	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
		Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Compressor Stations															
Compressor Station 1-Hanoverton	Columbiana County, Ohio	0.2	0.0	9.5	2.2	86.5	21.7	0.0	0.0	0.0	0.0	0.0	0.0	96.2	23.9
Compressor Station 2-Wadsworth	Medina County, Ohio	0.0	0.0	14.8	0.0	43.6	19.8	0.0	0.0	5.6	0.0	0.0	0.0	64.0	19.8
Compressor Station 3-Clyde	Sandusky County, Ohio	0.0	0.0	0.7	0.5	59.6	47.6	0.4	0.0	0.0	0.0	0.0	0.0	60.7	48.1
Compressor Station 4-Waterville	Lucas County, Ohio	0.0	0.0	0.1	0.0	37.5	34.1	0.1	0.0	0.0	0.0	0.0	0.0	37.7	34.1
Meter Stations															
MR01	Columbiana County, Ohio	0.0	0.0	0.1	0.0	10.2	2.0	0.1	0.0	0.0	0.0	0.0	0.0	10.4	2.0
MR02 and MR03	Columbiana County, Ohio	0.1	0.0	0.0	0.0	10.2	4.3	0.1	0.0	0.0	0.0	0.0	0.0	10.4	4.3
MR04	Washtenaw County, Michigan	0.0	0.0	0.4	0.3	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	1.0	0.7
MR05	Erie County, Ohio	0.0	0.0	0.0	0.0	8.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	8.8	1.9

TABLE 8.2-7

Land Use Acreage Affected by Aboveground Facilities of the NEXUS Project (acres)

Facility	County, State	Forest/ Woodland a/		Open Land b/		Agricultural c/		Industrial/ Commercial d/		Residential e/		Open Water f/		Total	
		Construction g/	Operation h/	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation

Note: Minor discrepancies due to rounding.

a/ Upland and wetland forest.
b/ Utility right-of-ways ("ROWs"), open fields, vacant land, pasture, herbaceous and scrub-shrub uplands, non-forested lands, emergent wetland, scrub-shrub wetland, golf courses, and open land portions of municipal, county, state, and federal lands and recreational areas.
c/ Active hayfields, cultivated land, and specialty crops.
d/ Manufacturing or industrial plants, paved areas, auto salvage and scrap yards, quarries, electric power or natural gas utility facilities, developed areas such as airport runways, roads, railroads and railroad yards, and commercial or retail facilities.
e/ Existing developed residential areas and planned residential developments. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, and residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment.
f/ Water crossings greater than 100 feet wide and streams visible on aerial photography but less than 100 feet in width.
g/ Construction acreage is based on the extent of permanent, temporary, and additional temporary workspace during construction.
h/ Operations acreage is based on the extent of the land that will be maintained during operation of the aboveground facilities.

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
Ohio						
TGP Interconnecting Pipeline						
	Columbiana	0.0	0.1	OH-COL-008.0000/OH-COL-008.0000-MR/OH-COL-008.0000-PAR-1	Size and type unknown	Drain tiles
	Columbiana	0.1	0.1	OH-COL-006.0000	Size and type unknown	Drain tiles
	Columbiana	0.2	0.3	OH-COL-005.0100	Size and type unknown	Drain tiles
	Columbiana	0.3	0.3	OH-COL-005.0000	Size and type unknown	Drain tiles
Mainline						
	Columbiana	0.1	0.3	OH-CO-002.0000	Size and type unknown	Drain tiles
	Columbiana	0.3	0.6	OH-CO-003.0000	Size and type unknown	Drain tiles
	Columbiana	0.6	0.9	OH-CO-004.0000	Size and type unknown	Drain tiles
	Columbiana	0.9	1.0	OH-CO-005.0000	6" plastic	Drain tiles
	Columbiana	1.0	1.1	OH-CO-006.0000	Size and type unknown	Drain tiles
	Columbiana	1.1	1.2	OH-CO-008.0000	Size and type unknown	Drain tiles
	Columbiana	1.2	1.3	OH-CO-009.0000	Size and type unknown	Drain tiles
	Columbiana	1.3	1.5	OH-CO-010.0000/OH-CO-010.0000-CS/OH-CO-010.0000-PAR-2	Size unknown clay	Drain tiles
	Columbiana	1.8	1.9	OH-CO-012.0000	Size and type unknown	Drain tiles
	Columbiana	1.9	2.0	OH-CO-013.0000	Size unknown plastic	Drain tiles
	Columbiana	2.0	2.0	OH-CO-016.0010	6" plastic	Drain tiles
	Columbiana	2.0	2.2	OH-CO-016.0000	Size and type unknown	Drain tiles
	Columbiana	2.2	2.2	OH-CO-018.0000	Size and type unknown	Drain tiles
	Columbiana	2.2	2.5	OH-CO-019.0000	Size and type unknown	Drain tiles
	Columbiana	2.5	2.8	OH-CO-020.0000	Size and type unknown	Drain tiles
	Columbiana	2.8	2.9	OH-CO-021.0000	Size and type unknown	Drain tiles
	Columbiana	2.9	3.1	OH-CO-022.0000	Size and type unknown	Drain tiles
	Columbiana	3.1	3.3	OH-CO-023.0000	Size and type unknown	Drain tiles
	Columbiana	3.3	3.4	OH-CO-025.0000	Size and type unknown	Drain tiles
	Columbiana	3.8	3.9	OH-CO-030.0000	Size and type unknown	Drain tiles
	Columbiana	4.1	4.2	OH-CO-033.0000	Size and type unknown	Drain tiles
	Columbiana	4.3	4.7	OH-CO-035.0000/OH-CO-035.0000-TAR-4/OH-CO-035.0010-TAR-4	Size and type unknown	Drain tiles
	Columbiana	4.7	4.8	OH-CO-036.0000	Size and type unknown	Drain tiles
	Columbiana	4.8	4.9	OH-CO-037.0000	Size and type unknown	Drain tiles
	Columbiana	4.9	5.0	OH-CO-039.0000	Size and type unknown	Drain tiles
	Columbiana	5.0	5.0	OH-CO-041.0000	Size unknown clay	Drain tiles
	Columbiana	5.0	5.1	OH-CO-042.0000	Size unknown clay	Drain tiles
	Columbiana	5.1	5.3	OH-CO-043.0000	Size and type unknown	Drain tiles
	Columbiana	5.3	5.4	OH-CO-044.0000	Size and type unknown	Drain tiles
	Columbiana	5.5	5.5	OH-CO-045.0100	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Columbiana	5.7	5.7	OH-CO-048.0010	Size and type unknown	Drain tiles
	Columbiana	6.0	6.0	OH-CO-052.0100	Size and type unknown	Drain tiles
	Columbiana	6.0	6.2	OH-CO-053.0000	Size and type unknown	Drain tiles
	Columbiana	6.2	6.3	OH-CO-054.0000	Size and type unknown	Drain tiles
	Columbiana	6.3	6.3	OH-CO-054.0100	Size and type unknown	Drain tiles
	Columbiana	6.3	6.4	OH-CO-055.0110	Size and type unknown	Drain tiles
	Columbiana	6.3	6.4	OH-CO-055.0100	Size and type unknown	Drain tiles
	Columbiana	6.4	6.9	OH-CO-059.0000	6" plastic	Drain tiles
	Columbiana	6.9	6.9	OH-CO-060.0000	Size and type unknown	Drain tiles
	Columbiana	6.9	7.2	OH-CO-061.0000	Size and type unknown	Drain tiles
	Columbiana	7.2	7.5	OH-CO-062.0000/OH-CO-062.0000-TAR-6	Size and type unknown	Drain tiles
	Columbiana	7.6	7.7	OH-CO-065.0000	Size and type unknown	Drain tiles
	Columbiana	8.2	8.3	OH-CO-074.0000	Size and type unknown	Drain tiles
	Columbiana	8.3	8.5	OH-CO-075.0000	Size and type unknown	Drain tiles
	Columbiana	8.5	8.6	OH-CO-076.0000	Size and type unknown	Drain tiles
	Columbiana	8.6	8.7	OH-CO-077.0000	Size and type unknown	Drain tiles
	Columbiana	8.7	8.9	OH-CO-078.0000	Size and type unknown	Drain tiles
	Columbiana	8.9	9.5	OH-CO-079.0000	Size and type unknown	Drain tiles
	Columbiana	9.5	9.9	OH-CO-080.0000	Size and type unknown	Drain tiles
	Columbiana	10.0	10.0	OH-CO-082.0000	Size and type unknown	Drain tiles
	Columbiana	10.1	10.4	OH-CO-086.0000	Size and type unknown	Drain tiles
	Columbiana	10.4	10.5	OH-CO-087.0000	Size and type unknown	Drain tiles
	Columbiana	10.5	10.8	OH-CO-089.0000/OH-CO-089.0000-TAR-9	Size and type unknown	Drain tiles
	Columbiana	11.0	11.0	OH-CO-091.0000	Size and type unknown	Drain tiles
	Columbiana	11.0	11.0	OH-CO-092.0000	Size and type unknown	Drain tiles
	Columbiana	11.0	11.1	OH-CO-093.0000	Size and type unknown	Drain tiles
	Columbiana	11.1	11.1	OH-CO-094.0000	Size and type unknown	Drain tiles
	Columbiana	11.1	11.2	OH-CO-095.0000	Size and type unknown	Drain tiles
	Columbiana	11.2	11.2	OH-CO-096.0000	Size and type unknown	Drain tiles
	Columbiana	11.2	11.3	OH-CO-098.0000	Size and type unknown	Drain tiles
	Columbiana	11.2	11.3	OH-CO-098.0010	Size and type unknown	Drain tiles
	Columbiana	11.3	11.3	OH-CO-099.0000	Size and type unknown	Drain tiles
	Columbiana	11.3	11.3	OH-CO-100.0000	Size and type unknown	Drain tiles
	Columbiana	11.4	11.4	OH-CO-102.0000	Size and type unknown	Drain tiles
	Columbiana	11.4	11.4	OH-CO-103.0000	Size and type unknown	Drain tiles
	Columbiana	11.4	11.7	OH-CO-106.0000	Size and type unknown	Drain tiles
	Columbiana	11.7	11.8	OH-CO-107.0000	Size and type unknown	Drain tiles
	Columbiana	11.9	12.1	OH-CO-109.0000	Size and type unknown	Drain tiles
	Columbiana	12.1	12.4	OH-CO-110.0000	Size and type unknown	Drain tiles
	Columbiana	12.5	12.5	OH-CO-112.0000	Size and type unknown	Drain tiles
	Stark	12.5	13.1	OH-ST-001.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Stark	13.2	13.5	OH-ST-005.0100	Size and type unknown	Drain tiles
	Stark	13.5	13.8	OH-ST-008.0000	Size and type unknown	Drain tiles
	Stark	14.0	14.1	OH-ST-013.0000	Size and type unknown	Drain tiles
	Stark	14.1	14.2	OH-ST-015.0000	Size and type unknown	Drain tiles
	Stark	14.2	14.3	OH-ST-016.0000	Size and type unknown	Drain tiles
	Stark	14.3	14.4	OH-ST-017.0000	Size and type unknown	Drain tiles
	Stark	14.4	14.5	OH-ST-018.0000	Size and type unknown	Drain tiles
	Stark	14.5	14.5	OH-ST-020.0000	Size and type unknown	Drain tiles
	Stark	14.5	14.8	OH-ST-021.0000	Size and type unknown	Drain tiles
	Stark	14.8	15.0	OH-ST-023.0000	Size and type unknown	Drain tiles
	Stark	15.1	15.2	OH-ST-025.0000	Size and type unknown	Drain tiles
	Stark	15.2	15.4	OH-ST-026.0000	Size and type unknown	Drain tiles
	Stark	15.4	15.7	OH-ST-028.0000/OH-ST-028.0000-TAR-2	Size and type unknown	Drain tiles
	Stark	15.7	15.9	OH-ST-029.0000	Size and type unknown	Drain tiles
	Stark	15.9	16.3	OH-ST-030.0000	Size and type unknown	Drain tiles
	Stark	16.3	16.5	OH-ST-032.0000	Size and type unknown	Drain tiles
	Stark	16.5	16.8	OH-ST-033.0000	Size and type unknown	Drain tiles
	Stark	16.8	17.0	OH-ST-035.0000	Size and type unknown	Drain tiles
	Stark	17.0	17.0	OH-ST-036.0000	Size and type unknown	Drain tiles
	Stark	17.0	17.2	OH-ST-037.0000	Size and type unknown	Drain tiles
	Stark	17.6	17.7	OH-ST-040.0000	Size and type unknown	Drain tiles
	Stark	17.7	17.8	OH-ST-039.0000	Size and type unknown	Drain tiles
	Stark	17.8	17.9	OH-ST-041.0000	Size and type unknown	Drain tiles
	Stark	17.9	18.3	OH-ST-042.0000	Size and type unknown	Drain tiles
	Stark	18.3	18.4	OH-ST-045.0000	Size and type unknown	Drain tiles
	Stark	18.4	18.6	OH-ST-047.0000	Size and type unknown	Drain tiles
	Stark	18.6	19.0	OH-ST-051.0000/OH-ST-051.0000-TAR-3	Size and type unknown	Drain tiles
	Stark	19.0	19.2	OH-ST-052.0000	Size and type unknown	Drain tiles
	Stark	19.2	19.3	OH-ST-053.0000	Size and type unknown	Drain tiles
	Stark	19.5	19.6	OH-ST-055.0000	Size and type unknown	Drain tiles
	Stark	19.6	19.9	OH-ST-057.0000	Size and type unknown	Drain tiles
	Stark	19.7	19.9	OH-ST-057.0010	Size and type unknown	Drain tiles
	Stark	19.9	20.0	OH-ST-058.0000	Size and type unknown	Drain tiles
	Stark	20.0	20.0	OH-ST-059.0000	Size and type unknown	Drain tiles
	Stark	20.1	20.2	OH-ST-062.0000	Size and type unknown	Drain tiles
	Stark	20.2	20.4	OH-ST-063.0000	Size and type unknown	Drain tiles
	Stark	20.5	20.5	OH-ST-066.0000	Size and type unknown	Drain tiles
	Stark	20.5	20.8	OH-ST-067.0000	Size and type unknown	Drain tiles
	Stark	20.8	21.2	OH-ST-068.0000	Size and type unknown	Drain tiles
	Stark	21.2	21.7	OH-ST-069.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Stark	21.7	22.0	OH-ST-070.0000/OH-ST-070.0000-AB-1	Size and type unknown	Drain tiles
	Stark	22.0	22.2	OH-ST-072.0000	Size and type unknown	Drain tiles
	Stark	22.2	22.2	OH-ST-073.0010	Size and type unknown	Drain tiles
	Stark	22.2	22.2	OH-ST-073.0000	Size and type unknown	Drain tiles
	Stark	22.2	22.5	OH-ST-075.0000	Size and type unknown	Drain tiles
	Stark	22.7	23.2	OH-ST-077.0000	Size and type unknown	Drain tiles
	Stark	23.2	23.7	OH-ST-000.0010-CERT-Y-2-SPRD-1	Size and type unknown	Drain tiles
	Stark	23.2	23.5	OH-ST-079.0000	Size and type unknown	Drain tiles
	Stark	23.7	24.2	OH-ST-082.0000	Size and type unknown	Drain tiles
	Stark	24.1	24.2	OH-ST-082.0010	Size and type unknown	Drain tiles
	Stark	24.2	24.7	OH-ST-084.0000	Size and type unknown	Drain tiles
	Stark	24.7	25.0	OH-ST-085.0000	Size and type unknown	Drain tiles
	Stark	25.0	25.3	OH-ST-087.0000	Size and type unknown	Drain tiles
	Stark	25.3	25.5	OH-ST-088.0000	Size and type unknown	Drain tiles
	Stark	25.6	25.7	OH-ST-089.0000	Size and type unknown	Drain tiles
	Stark	25.7	25.8	OH-ST-090.0000	Size and type unknown	Drain tiles
	Stark	25.8	25.9	OH-ST-091.0000	Size and type unknown	Drain tiles
	Stark	25.9	26.4	OH-ST-093.0000	Size and type unknown	Drain tiles
	Stark	26.7	26.7	OH-ST-098.0000	Size and type unknown	Drain tiles
	Stark	26.7	26.8	OH-ST-099.0000	Size and type unknown	Drain tiles
	Stark	27.4	27.7	OH-ST-105.0000	Size and type unknown	Drain tiles
	Stark	27.8	28.0	OH-ST-107.0000	Size and type unknown	Drain tiles
	Stark	28.2	28.7	OH-ST-112.0000	Size and type unknown	Drain tiles
	Stark	28.7	28.7	OH-ST-113.0000	Size and type unknown	Drain tiles
	Stark	28.7	28.9	OH-ST-114.0000	Size and type unknown	Drain tiles
	Stark	29.3	29.7	OH-ST-121.0000	Size and type unknown	Drain tiles
	Stark	29.7	29.9	OH-ST-122.0000	Size and type unknown	Drain tiles
	Stark	30.2	30.3	OH-ST-124.0000	Size and type unknown	Drain tiles
	Stark	30.3	30.7	OH-ST-126.0000	Size and type unknown	Drain tiles
	Stark	30.7	30.8	OH-ST-127.0000	Size and type unknown	Drain tiles
	Stark	30.9	31.1	OH-ST-129.0000	Size and type unknown	Drain tiles
	Stark	31.1	31.4	OH-ST-130.0000	Size and type unknown	Drain tiles
	Stark	31.4	31.9	OH-ST-131.0000	Size and type unknown	Drain tiles
	Stark	31.9	32.1	OH-ST-133.0000	Size and type unknown	Drain tiles
	Stark	32.1	32.2	OH-ST-135.0000	Size and type unknown	Drain tiles
	Stark	32.2	32.6	OH-ST-136.0000/OH-ST-136.0000-PAR-3	Size and type unknown	Drain tiles
	Stark	34.0	34.1	OH-ST-180.0000/OH-ST-180.0000-PAR-4	Size and type unknown	Drain tiles
	Stark	34.1	34.2	OH-ST-181.0000	Size and type unknown	Drain tiles
	Summit	34.3	34.4	OH-SU-003.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Summit	34.4	34.5	OH-SU-004.0000	Size and type unknown	Drain tiles
	Summit	34.5	34.5	OH-SU-005.0000	Size and type unknown	Drain tiles
	Summit	34.5	34.5	OH-SU-006.0000	Size and type unknown	Drain tiles
	Summit	34.5	34.7	OH-SU-007.0000	Size and type unknown	Drain tiles
	Summit	34.7	34.8	OH-SU-008.0000	Size and type unknown	Drain tiles
	Summit	34.8	35.0	OH-SU-009.0000	Size and type unknown	Drain tiles
	Summit	35.0	35.0	OH-SU-011.0010	Size and type unknown	Drain tiles
	Summit	35.0	35.1	OH-SU-012.0000	Size and type unknown	Drain tiles
	Summit	35.0	35.0	OH-SU-016.0000	Size and type unknown	Drain tiles
	Summit	35.9	36.1	OH-SU-022.0000	Size and type unknown	Drain tiles
	Summit	36.1	36.2	OH-SU-024.0000	Size and type unknown	Drain tiles
	Summit	36.2	36.3	OH-SU-025.0000	Size and type unknown	Drain tiles
	Summit	37.6	37.8	OH-SU-041.0000	Size and type unknown	Drain tiles
	Summit	37.8	37.9	OH-SU-044.0000	Size and type unknown	Drain tiles
	Summit	37.9	37.9	OH-SU-045.0000	Size and type unknown	Drain tiles
	Summit	38.8	38.9	OH-SU-058.0000	Size and type unknown	Drain tiles
	Summit	38.9	39.0	OH-SU-059.0000	Size and type unknown	Drain tiles
	Summit	39.3	39.3	OH-SU-064.0000	Size and type unknown	Drain tiles
	Summit	39.3	39.5	OH-SU-065.0000	Size and type unknown	Drain tiles
	Summit	39.6	39.7	OH-SU-067.0000	Size and type unknown	Drain tiles
	Summit	40.7	40.9	OH-SU-081.0000	Size and type unknown	Drain tiles
	Summit	41.0	41.2	OH-SU-085.0000	Size and type unknown	Drain tiles
	Summit	41.2	41.2	OH-SU-086.0000	Size and type unknown	Drain tiles
	Summit	41.3	41.5	OH-SU-090.0000	Size and type unknown	Drain tiles
	Summit	41.5	41.5	OH-SU-091.0000	Size and type unknown	Drain tiles
	Summit	41.9	42.1	OH-SU-097.0000	Size and type unknown	Drain tiles
	Summit	42.2	42.3	OH-SU-101.0000	Size and type unknown	Drain tiles
	Summit	42.3	42.3	OH-SU-103.0000	Size and type unknown	Drain tiles
	Summit	42.5	42.5	OH-SU-107.0010	Size and type unknown	Drain tiles
	Summit	42.6	42.7	OH-SU-108.0000	Size and type unknown	Drain tiles
	Summit	43.1	43.1	OH-SU-123.0000	Size and type unknown	Drain tiles
	Summit	43.1	43.2	OH-SU-124.0000	Size and type unknown	Drain tiles
	Summit	43.2	43.2	OH-SU-125.0000	Size and type unknown	Drain tiles
	Summit	43.2	43.3	OH-SU-126.0000	Size and type unknown	Drain tiles
	Summit	43.3	43.5	OH-SU-127.0000	Size and type unknown	Drain tiles
	Summit	43.9	44.3	OH-SU-135.0000	Size and type unknown	Drain tiles
	Summit	44.4	44.7	OH-SU-138.0000	Size and type unknown	Drain tiles
	Summit	44.7	44.8	OH-SU-141.0000	Size and type unknown	Drain tiles
	Summit	44.8	44.8	OH-SU-142.0000	Size and type unknown	Drain tiles
	Summit	45.3	45.5	OH-SU-150.0000	Size and type unknown	Drain tiles
	Summit	45.5	45.5	OH-SU-152.0000	Size and type unknown	Drain tiles
	Summit	45.8	46.2	OH-SU-155.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Summit	46.0	46.2	OH-SU-155.0010	Size and type unknown	Drain tiles
	Summit	46.5	46.8	OH-SU-164.0000/OH-SU-164.0000-AB-2	Size and type unknown	Drain tiles
	Summit	46.8	47.0	OH-SU-166.0000	Size and type unknown	Drain tiles
	Summit	47.0	47.0	OH-SU-167.0000	Size and type unknown	Drain tiles
	Summit	47.4	47.5	OH-SU-171.0000/OH-SU-171.0000-TAR-4	Size and type unknown	Drain tiles
	Summit	47.5	47.8	OH-SU-172.0000	Size and type unknown	Drain tiles
	Summit	47.8	47.8	OH-SU-173.0000	Size and type unknown	Drain tiles
	Summit	47.8	47.9	OH-SU-174.0000	Size and type unknown	Drain tiles
	Summit	47.9	48.0	OH-SU-176.0000	Size and type unknown	Drain tiles
	Summit	48.0	48.1	OH-SU-177.0000	Size and type unknown	Drain tiles
	Summit	48.2	48.2	OH-SU-179.0000	Size and type unknown	Drain tiles
	Summit	48.2	48.2	OH-SU-181.0000	Size and type unknown	Drain tiles
	Summit	48.2	48.2	OH-SU-182.0000	Size and type unknown	Drain tiles
	Summit	48.5	48.5	OH-SU-185.0000/OH-SU-185.0000-TAR-6	Size and type unknown	Drain tiles
	Summit	48.5	48.5	OH-SU-186.0000	Size and type unknown	Drain tiles
	Summit	48.5	48.6	OH-SU-187.0000	Size and type unknown	Drain tiles
	Summit	48.6	48.7	OH-SU-188.0000	Size and type unknown	Drain tiles
	Summit	48.7	48.8	OH-SU-189.0000	Size and type unknown	Drain tiles
	Summit	48.8	48.9	OH-SU-191.0000	Size and type unknown	Drain tiles
	Summit	48.8	48.9	OH-SU-191.0010	Size and type unknown	Drain tiles
	Summit	48.9	49.4	OH-SU-193.0000	Size and type unknown	Drain tiles
	Wayne	50.4	50.6	OH-WA-001.0000	Size and type unknown	Drain tiles
	Wayne	50.6	50.9	OH-WA-002.0000	Size and type unknown	Drain tiles
	Wayne	50.9	51.1	OH-WA-003.0000	Size and type unknown	Drain tiles
	Wayne	51.1	51.1	OH-WA-005.0000	Size and type unknown	Drain tiles
	Wayne	51.1	51.3	OH-WA-006.0000	Size and type unknown	Drain tiles
	Wayne	51.3	51.3	OH-WA-007.0000	Size and type unknown	Drain tiles
	Wayne	51.3	51.4	OH-WA-008.0000	Size and type unknown	Drain tiles
	Wayne	51.4	51.6	OH-WA-010.0000	Size and type unknown	Drain tiles
	Wayne	51.7	52.0	OH-WA-012.0000	Size and type unknown	Drain tiles
	Wayne	52.0	52.0	OH-WA-014.0000	Size and type unknown	Drain tiles
	Wayne	52.0	52.0	OH-WA-012.0010	Size and type unknown	Drain tiles
	Wayne	52.0	52.0	OH-WA-013.0000	Size and type unknown	Drain tiles
	Wayne	52.0	52.3	OH-WA-011.0000	Size and type unknown	Drain tiles
	Wayne	52.3	52.3	OH-WA-017.0000	Size and type unknown	Drain tiles
	Wayne	52.3	52.3	OH-WA-016.0000	Size and type unknown	Drain tiles
	Wayne	52.3	52.9	OH-WA-018.0000	Size and type unknown	Drain tiles
	Wayne	53.0	53.1	OH-WA-024.0000	Size and type unknown	Drain tiles
	Wayne	54.3	54.3	OH-WA-030.0300	Size and type unknown	Drain tiles
	Wayne	54.5	54.5	OH-WA-036.0100	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Wayne	54.5	54.6	OH-WA-036.0000	Size and type unknown	Drain tiles
	Wayne	54.6	54.6	OH-WA-037.0000	Size and type unknown	Drain tiles
	Wayne	54.6	54.8	OH-WA-039.0000	4" to 6" plastic, 4' to 6' depth	Drain tiles
	Wayne	54.8	55.1	OH-WA-040.0000	4" to 6" plastic, 4' to 6' depth	Drain tiles
	Wayne	55.1	55.6	OH-WA-041.0000	4" to 6" plastic, 4' to 6' depth	Drain tiles
	Wayne	55.6	55.7	OH-WA-042.0000	Size and type unknown	Drain tiles
	Wayne	55.7	55.8	OH-WA-048.0000	Size and type unknown	Drain tiles
	Wayne	55.8	56.1	OH-WA-049.0000	Size and type unknown	Drain tiles
	Wayne	56.1	56.3	OH-WA-050.0000/OH-WA-050.0000-TAR-3	4" to 8" plastic and clay, 4' to 5' depth	Drain tiles
	Medina	56.6	56.8	OH-ME-001.0000	4" to 8" clay, plastic and wood, 4' to 6' depth	Drain tiles
	Medina	56.8	57.1	OH-ME-004.0000/OH-ME-004.0000-AB-1	4" to 8" clay, plastic and wood tiles, 4' to 6' depth	Drain tiles
	Medina	57.1	57.2	OH-ME-005.0000/OH-ME-005.0000-PAR-1/OH-ME-005.0000-AB-1	4" to 8" clay, plastic and wood, 4' to 6' depth	Drain tiles
	Medina	57.2	57.2	OH-ME-007.0000	4" to 10" plastic and clay, 4' to 7' depth	Drain tiles
	Wayne	57.3	57.6	OH-WA-058.0000/OH-WA-058.0000-TAR-4	4" to 8" unknown tile, 4' to 6' depth	Drain tiles
	Wayne	57.6	57.7	OH-WA-059.0000	Size and type unknown	Drain tiles
	Medina	57.7	57.9	OH-ME-009.0000	4" to 10" plastic and clay, 4' to 7' depth	Drain tiles
	Medina	57.9	58.0	OH-ME-010.0000	4" to 10" plastic and clay, 4' to 7' depth	Drain tiles
	Medina	58.0	58.3	OH-ME-012.0000	4" to 10" plastic and clay, 4' to 7' depth	Drain tiles
	Medina	58.4	58.9	OH-ME-014.0000	4" to 10" plastic and clay, 4' to 6' depth	Drain tiles
	Medina	58.4	58.4	OH-ME-015.0000	4" to 10" plastic and clay; 4' to 6' in depth	Drain tiles
	Medina	58.9	59.2	OH-ME-016.0000	Size and type unknown	Drain tiles
	Medina	59.3	59.4	OH-ME-018.0000	Size and type unknown	Drain tiles
	Medina	59.4	59.4	OH-ME-018.0010	Size and type unknown	Drain tiles
	Medina	59.5	59.7	OH-ME-021.0000	Size and type unknown	Drain tiles
	Medina	59.7	59.8	OH-ME-023.0000	Size and type unknown	Drain tiles
	Medina	59.8	59.8	OH-ME-024.0000	Size and type unknown	Drain tiles
	Medina	59.8	59.9	OH-ME-025.0000	Size and type unknown	Drain tiles
	Medina	59.9	59.9	OH-ME-026.0000	Size and type unknown	Drain tiles
	Medina	59.9	60.0	OH-ME-027.0000	Size and type unknown	Drain tiles
	Medina	60.0	60.1	OH-ME-028.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Medina	60.0	60.7	OH-ME-029.0000	Size and type unknown	Drain tiles
	Medina	60.1	60.1	OH-ME-029.0010	Size and type unknown	Drain tiles
	Medina	60.3	60.4	OH-ME-031.0000	Size and type unknown	Drain tiles
	Medina	60.4	60.8	OH-ME-032.0000	Size and type unknown	Drain tiles
	Medina	60.8	60.8	OH-ME-033.0000	Size and type unknown	Drain tiles
	Medina	60.8	61.3	OH-ME-034.0000	Type unknown, 2' to 8' depth	Drain tiles
	Medina	61.3	61.3	OH-ME-035.0000	Type unknown, 2' to 8' depth	Drain tiles
	Medina	61.3	61.4	OH-ME-036.0010	Size and type unknown	Drain tiles
	Medina	61.4	61.4	OH-ME-037.0000	Size and type unknown	Drain tiles
	Medina	61.4	61.4	OH-ME-039.0000	Size and type unknown	Drain tiles
	Medina	61.4	61.5	OH-ME-040.0000	Size and type unknown	Drain tiles
	Medina	61.5	61.5	OH-ME-041.0000	Size and type unknown	Drain tiles
	Medina	61.5	61.5	OH-ME-042.0000	Size and type unknown	Drain tiles
	Medina	61.5	61.7	OH-ME-043.0000	Size and type unknown	Drain tiles
	Medina	61.7	62.0	OH-ME-044.0000	Size and type unknown	Drain tiles
	Medina	62.0	62.1	OH-ME-045.0000	4" clay, 3' depth	Drain tiles
	Medina	62.1	62.6	OH-ME-046.0000	Size and type unknown	Drain tiles
	Medina	62.6	62.7	OH-ME-048.0000	12" clay	Drain tiles
	Medina	62.7	62.8	OH-ME-049.0000	12" clay	Drain tiles
	Medina	62.8	62.9	OH-ME-050.0000	Size and type unknown	Drain tiles
	Medina	62.9	62.9	OH-ME-051.0000	12" clay	Drain tiles
	Medina	62.9	63.0	OH-ME-053.0000	Size and type unknown	Drain tiles
	Medina	63.0	63.2	OH-ME-054.0000	3' plastic, 3' to 6' depth	Drain tiles
	Medina	63.2	63.3	OH-ME-056.0000	Size and type unknown	Drain tiles
	Medina	63.3	63.6	OH-ME-057.0000/OH-ME-057.0000-CS/OH-ME-057.0000-PAR-2	4" to 6" clay and plastic, 2' to 4' depth	Drain tiles
	Medina	63.6	63.8	OH-ME-058.0000	Size and type unknown	Drain tiles
	Medina	63.8	63.8	OH-ME-059.0000/OH-ME-059.0000-TAR-2	Size and type unknown	Drain tiles
	Medina	63.8	64.2	OH-ME-060.0000	6" to 12" plastic and clay	Drain tiles
	Medina	64.2	64.3	OH-ME-062.0000	6" to 12" plastic and clay	Drain tiles
	Medina	64.3	64.4	OH-ME-063.0000	6" to 12" plastic and clay	Drain tiles
	Medina	64.4	65.0	OH-ME-065.0000	Size and type unknown	Drain tiles
	Medina	65.0	65.0	OH-ME-066.0010-TAR-3	Clay, 3' depth	Drain tiles
	Medina	65.0	65.2	OH-ME-066.0000/OH-ME-066.0000-TAR-3	Clay, 3' depth	Drain tiles
	Medina	65.2	65.3	OH-ME-068.0000	Size unknown clay	Drain tiles
	Medina	65.3	65.3	OH-ME-069.0000	Size unknown clay	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Medina	65.3	65.4	OH-ME-070.0000	Size unknown clay	Drain tiles
	Medina	65.4	65.5	OH-ME-071.0000	Clay and plastic, 2' to 4' depth	Drain tiles
	Medina	65.5	65.5	OH-ME-072.0000	Size and type unknown	Drain tiles
	Medina	65.5	65.6	OH-ME-073.0000	Size and type unknown	Drain tiles
	Medina	65.6	65.6	OH-ME-074.0000	Size and type unknown	Drain tiles
	Medina	65.6	65.8	OH-ME-075.0000	Size and type unknown	Drain tiles
	Medina	65.8	65.9	OH-ME-077.0000	Size and type unknown	Drain tiles
	Medina	65.9	66.0	OH-ME-079.0000	Size and type unknown	Drain tiles
	Medina	66.0	66.2	OH-ME-081.0000	4" clay and plastic	Drain tiles
	Medina	66.2	66.7	OH-ME-082.0000/OH-ME-082.0000-TAR-4	4" clay and plastic	Drain tiles
	Medina	66.7	66.9	OH-ME-084.0000	Size and type unknown	Drain tiles
	Medina	66.9	67.0	OH-ME-085.0000	Size and type unknown	Drain tiles
	Medina	67.0	67.1	OH-ME-086.0000	Size and type unknown	Drain tiles
	Medina	67.0	67.1	OH-ME-086.0010	Size and type unknown	Drain tiles
	Medina	67.1	67.2	OH-ME-088.0000	Size and type unknown	Drain tiles
	Medina	67.2	67.4	OH-ME-089.0000	Size and type unknown	Drain tiles
	Medina	67.5	67.6	OH-ME-093.0000	Size and type unknown	Drain tiles
	Medina	68.6	68.7	OH-ME-112.0000/OH-ME-112.0000-TAR-5	Size and type unknown	Drain tiles
	Medina	68.7	68.7	OH-ME-114.0000	Size unknown clay	Drain tiles
	Medina	68.8	68.8	OH-ME-116.0000	Size and type unknown	Drain tiles
	Medina	68.9	69.0	OH-ME-122.0000	Size and type unknown	Drain tiles
	Medina	68.9	69.0	OH-ME-123.0000	Size and type unknown	Drain tiles
	Medina	68.9	69.0	OH-ME-123.0010	Size and type unknown	Drain tiles
	Medina	69.1	69.1	OH-ME-125.0000	Size and type unknown	Drain tiles
	Medina	69.1	69.1	OH-ME-127.0050	Size and type unknown	Drain tiles
	Medina	69.4	69.4	OH-ME-129.0000	Size and type unknown	Drain tiles
	Medina	69.4	69.4	OH-ME-130.0040-TAR-7	Size and type unknown	Drain tiles
	Medina	69.4	69.4	OH-ME-130.0060-TAR-7	Size and type unknown	Drain tiles
	Medina	69.9	70.0	OH-ME-133.0000	Size and type unknown	Drain tiles
	Medina	70.2	70.2	OH-ME-134.0000	Size and type unknown	Drain tiles
	Medina	70.2	70.4	OH-ME-135.0000	Size and type unknown	Drain tiles
	Medina	70.4	70.8	OH-ME-136.0000	Size and type unknown	Drain tiles
	Medina	70.8	70.9	OH-ME-138.0000	4" plastic	Drain tiles
	Medina	70.9	71.1	OH-ME-140.0000/OH-ME-140.0000-TAR-11	4" plastic	Drain tiles
	Medina	71.3	71.3	OH-ME-142.0000	10" clay and 4' plastic, up to 6' depth, 40' center in crop fields	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Medina	71.3	71.4	OH-ME-143.0000	10" clay and 4' plastic, up to 6' depth, 40' center in crop fields	Drain tiles
	Medina	71.4	71.8	OH-ME-144.0000	10" clay and 4' plastic, up to 6' depth, 40' center in crop fields	Drain tiles
	Medina	71.8	71.9	OH-ME-145.0000	10" clay and 4' plastic, up to 6' depth, 40' center in crop fields	Drain tiles
	Medina	71.9	72.5	OH-ME-147.0000	4" plastic	Drain tiles
	Medina	71.9	72.5	OH-ME-147.0000-AB-2	4" plastic	Drain tiles
	Medina	72.7	72.8	OH-ME-153.0000	Size and type unknown	Drain tiles
	Medina	72.8	72.9	OH-ME-156.0000/OH-ME-156.0000-TAR-12	4" plastic	Drain tiles
	Medina	72.9	72.9	OH-ME-157.0000	4" plastic	Drain tiles
	Medina	72.9	73.1	OH-ME-158.0000	4" plastic	Drain tiles
	Medina	73.1	73.3	OH-ME-159.0000/OH-ME-159.0000-TAR-13	4" plastic	Drain tiles
	Medina	73.1	73.3	OH-ME-159.0010-TAR-13	4" plastic	Drain tiles
	Medina	73.3	73.6	OH-ME-160.0000/OH-ME-160.0000-TAR-14	Size and type unknown	Drain tiles
	Medina	73.7	73.9	OH-ME-164.0000	Size and type unknown	Drain tiles
	Medina	74.0	74.1	OH-ME-167.0000	Size and type unknown	Drain tiles
	Medina	74.1	74.6	OH-ME-169.0000	Size and type unknown	Drain tiles
	Medina	75.0	75.4	OH-ME-172.0000	10" type unknown, 3' depth	Drain tiles
	Medina	75.4	75.5	OH-ME-173.0000	10" type unknown, 3' depth	Drain tiles
	Medina	75.5	75.6	OH-ME-175.0000	Size and type unknown	Drain tiles
	Medina	75.6	75.6	OH-ME-176.0000	4" clay	Drain tiles
	Medina	75.6	76.0	OH-ME-177.0000	4" clay	Drain tiles
	Medina	76.0	76.3	OH-ME-178.0000	Size and type unknown	Drain tiles
	Medina	76.3	76.3	OH-ME-179.0000	Size and type unknown	Drain tiles
	Medina	76.5	76.7	OH-ME-182.0000	Size and type unknown	Drain tiles
	Medina	76.7	77.0	OH-ME-183.0000	Clay, 3' depth	Drain tiles
	Medina	77.0	77.4	OH-ME-185.0000	Size and type unknown	Drain tiles
	Medina	77.4	77.4	OH-ME-186.0000	Size and type unknown	Drain tiles
	Medina	77.4	77.7	OH-ME-187.0000	Size and type unknown	Drain tiles
	Medina	77.7	77.9	OH-ME-188.0000	Clay, 1.7' depth	Drain tiles
	Medina	77.9	78.0	OH-ME-189.0000	Size and type unknown	Drain tiles
	Medina	78.0	78.2	OH-ME-191.0000	Size and type unknown	Drain tiles
	Medina	78.2	78.6	OH-ME-192.0000	Size and type unknown	Drain tiles
	Medina	78.6	78.6	OH-ME-193.0000	Size and type unknown	Drain tiles
	Medina	78.6	78.7	OH-ME-194.0000	Size and type unknown	Drain tiles
	Medina	78.7	79.0	OH-ME-195.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Medina	79.1	79.2	OH-ME-197.0000	Size and type unknown	Drain tiles
	Medina	79.1	79.2	OH-ME-198.0000	Size and type unknown	Drain tiles
	Medina	79.2	79.5	OH-ME-199.0000	Size and type unknown	Drain tiles
	Medina	79.5	79.6	OH-ME-200.0000	Size and type unknown	Drain tiles
	Medina	79.6	79.9	OH-ME-202.0000	Size and type unknown	Drain tiles
	Medina	79.9	80.1	OH-ME-203.0000	Size and type unknown	Drain tiles
	Medina	80.1	80.2	OH-ME-204.0000	Size and type unknown	Drain tiles
	Medina	80.2	80.4	OH-ME-205.0000	Size and type unknown	Drain tiles
	Medina	80.4	80.5	OH-ME-206.0000	Size and type unknown	Drain tiles
	Lorain	80.5	81.0	OH-LO-001.0000	Size and type unknown	Drain tiles
	Lorain	81.0	81.2	OH-LO-002.0000	Size and type unknown	Drain tiles
	Lorain	81.2	81.5	OH-LO-004.0000	Size and type unknown	Drain tiles
	Lorain	81.5	81.7	OH-LO-007.0000	Size and type unknown	Drain tiles
	Lorain	81.7	81.8	OH-LO-008.0000	Size and type unknown	Drain tiles
	Lorain	81.8	82.0	OH-LO-009.0000	Size and type unknown	Drain tiles
	Lorain	82.0	82.2	OH-LO-010.0000	Size and type unknown	Drain tiles
	Lorain	82.2	82.2	OH-LO-011.0000	Size and type unknown	Drain tiles
	Lorain	82.2	82.5	OH-LO-012.0000	Size and type unknown	Drain tiles
	Lorain	82.5	82.6	OH-LO-013.0000	Size and type unknown	Drain tiles
	Lorain	82.6	82.7	OH-LO-015.0000	Size and type unknown	Drain tiles
	Lorain	82.7	83.2	OH-LO-018.0000	Size and type unknown	Drain tiles
	Lorain	83.2	83.3	OH-LO-019.0000	Size and type unknown	Drain tiles
	Lorain	83.4	83.7	OH-LO-022.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	83.9	84.4	OH-LO-026.0000	4" plastic and clay, 2' to 4' depth	Drain tiles
	Lorain	84.4	84.5	OH-LO-027.0000	Size and type unknown	Drain tiles
	Lorain	84.5	84.7	OH-LO-028.0000	Size and type unknown	Drain tiles
	Lorain	84.7	84.9	OH-LO-030.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	84.9	85.2	OH-LO-031.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	85.3	85.3	OH-LO-032.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	85.3	85.7	OH-LO-033.0000/OH-LO-033.0000-TAR-1	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	85.5	85.5	OH-LO-033.0010-TAR-1	Size and type unknown	Drain tiles
	Lorain	85.7	85.8	OH-LO-034.0000	Size and type unknown	Drain tiles
	Lorain	85.8	85.9	OH-LO-035.0000	Size and type unknown	Drain tiles
	Lorain	85.8	85.9	OH-LO-035.0000-AB-3	Size and type unknown	Drain tiles
	Lorain	85.9	86.1	OH-LO-037.0010-TAR-2	Size and type unknown	Drain tiles
	Lorain	85.9	86.2	OH-LO-037.0000	Size and type unknown	Drain tiles
	Lorain	86.2	86.4	OH-LO-038.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lorain	86.4	86.5	OH-LO-039.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	86.5	86.7	OH-LO-040.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	86.7	87.1	OH-LO-041.0000/OH-LO-041.0000-TAR-3	4" plastic and clay, 2' to 2.5' depth	Drain tiles
	Lorain	87.1	87.1	OH-LO-041.0010-TAR-3	4" plastic and clay, 2' to 2.5' depth	Drain tiles
	Lorain	87.1	87.3	OH-LO-046.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	87.3	87.5	OH-LO-047.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	87.5	87.7	OH-LO-048.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	87.7	88.0	OH-LO-049.0000	Size and type unknown	Drain tiles
	Lorain	87.7	88.2	OH-LO-050.0000	Size and type unknown	Drain tiles
	Lorain	88.2	88.2	OH-LO-052.0000	Size and type unknown	Drain tiles
	Lorain	88.2	88.4	OH-LO-053.0000	Size and type unknown	Drain tiles
	Lorain	88.4	88.4	OH-LO-054.0000	Size and type unknown	Drain tiles
	Lorain	88.4	88.5	OH-LO-055.0000	4" to 6" plastic and clay, 2.5' depth	Drain tiles
	Lorain	88.5	88.6	OH-LO-056.0000	4" to 6" plastic and clay, 2.5' depth	Drain tiles
	Lorain	88.6	88.7	OH-LO-057.0000	Type unknown, 2.5' depth,	Drain tiles
	Lorain	88.7	89.1	OH-LO-058.0000	Type unknown, 2.5' depth,	Drain tiles
	Lorain	89.1	89.2	OH-LO-059.0000	4" plastic, 2.5' depth	Drain tiles
	Lorain	89.2	89.8	OH-LO-062.0000	4" plastic and clay, 2.5' to 3' depth	Drain tiles
	Lorain	89.8	90.3	OH-LO-063.0000	4" plastic and clay, 2.5' depth	Drain tiles
	Lorain	90.3	90.8	OH-LO-066.0000	4" to 8" plastic; 3' depth	Drain tiles
	Lorain	90.3	90.8	OH-LO-067.0000	Size and type unknown	Drain tiles
	Lorain	90.8	91.2	OH-LO-068.0000	Size and type unknown	Drain tiles
	Lorain	91.2	91.4	OH-LO-070.0000	Size and type unknown	Drain tiles
	Lorain	91.4	91.8	OH-LO-071.0000/OH-LO-071.0000-TAR-4	Size and type unknown	Drain tiles
	Lorain	91.4	91.8	OH-LO-071.0010	4" plastic and clay, 2' to 3' depth	Drain tiles
	Lorain	91.8	91.8	OH-LO-072.0000	4" clay	Drain tiles
	Lorain	91.8	92.1	OH-LO-073.0000	4" clay	Drain tiles
	Lorain	92.1	92.4	OH-LO-074.0000	4" clay	Drain tiles
	Lorain	92.4	92.7	OH-LO-076.0000	Clay, 3' depth	Drain tiles
	Lorain	92.7	92.8	OH-LO-077.0000	4" plastic	Drain tiles
	Lorain	92.8	93.0	OH-LO-078.0000	Size and type unknown	Drain tiles

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Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lorain	93.0	93.4	OH-LO-079.0000	Size and type unknown	Drain tiles
	Lorain	93.4	93.4	OH-LO-081.0000	4" plastic and clay, 2' to 3' depth	Drain tiles
	Lorain	93.5	93.6	OH-LO-083.0000	4" clay	Drain tiles
	Lorain	93.6	94.1	OH-LO-084.0000	4" clay	Drain tiles
	Lorain	94.1	94.2	OH-LO-085.0000	4" clay	Drain tiles
	Lorain	94.4	94.6	OH-LO-088.0000	4" clay	Drain tiles
	Lorain	94.6	95.2	OH-LO-091.0000	4" plastic and clay, 3' depth	Drain tiles
	Lorain	95.2	95.4	OH-LO-092.0000	4" plastic and clay, 3' depth	Drain tiles
	Lorain	95.4	95.5	OH-LO-094.0000	4" to 6" plastic, 3' depth	Drain tiles
	Lorain	95.5	95.6	OH-LO-095.0000	4" to 6" plastic, 3' depth	Drain tiles
	Lorain	95.6	95.8	OH-LO-096.0000	Size and type unknown	Drain tiles
	Lorain	95.8	95.8	OH-LO-097.0000	Size and type unknown	Drain tiles
	Lorain	95.8	96.0	OH-LO-098.0000	4" to 6" plastic	Drain tiles
	Lorain	95.8	95.8	OH-LO-098.0010	Size and type unknown	Drain tiles
	Lorain	95.8	96.0	OH-LO-098.0020	Size and type unknown	Drain tiles
	Lorain	96.0	96.0	OH-LO-099.0000	Size and type unknown	Drain tiles
	Lorain	96.0	96.0	OH-LO-099.0010	Size and type unknown	Drain tiles
	Lorain	96.0	96.2	OH-LO-100.0000	Size and type unknown	Drain tiles
	Lorain	96.0	96.2	OH-LO-100.0010	Size and type unknown	Drain tiles
	Lorain	96.2	96.3	OH-LO-101.0000	Size and type unknown	Drain tiles
	Lorain	96.2	96.3	OH-LO-101.0010	Size and type unknown	Drain tiles
	Lorain	96.4	96.4	OH-LO-103.0000	12" plastic and clay, 1.5' to 4' depth	Drain tiles
	Lorain	96.4	96.7	OH-LO-104.0000	Size and type unknown	Drain tiles
	Lorain	96.7	96.8	OH-LO-105.0000	Size and type unknown	Drain tiles
	Lorain	96.8	97.0	OH-LO-107.0000	Size and type unknown	Drain tiles
	Lorain	97.0	97.3	OH-LO-108.0000	Size and type unknown	Drain tiles
	Lorain	97.3	97.7	OH-LO-109.0000	Size unknown, clay and plastic	Drain tiles
	Lorain	97.7	98.0	OH-LO-111.0000	Size and type unknown	Drain tiles
	Lorain	98.0	98.1	OH-LO-112.0000	Size and type unknown	Drain tiles
	Lorain	98.1	98.5	OH-LO-114.0000	Size unknown, clay and plastic	Drain tiles
	Lorain	98.7	98.8	OH-LO-118.0000	Size and type unknown	Drain tiles
	Lorain	98.9	99.2	OH-LO-120.0000	Size and type unknown	Drain tiles
	Lorain	99.2	99.6	OH-LO-122.0000	Size and type unknown	Drain tiles
	Lorain	99.6	99.7	OH-LO-123.0000	Size and type unknown	Drain tiles
	Lorain	99.7	100.0	OH-LO-124.0000	Size and type unknown	Drain tiles
	Lorain	99.7	100.0	OH-LO-124.0000-AB-4	Size and type unknown	Drain tiles
	Lorain	99.7	99.7	OH-LO-124.0100-AB-4	Size and type unknown	Drain tiles
	Lorain	100.0	100.3	OH-LO-126.0000	4" clay and plastic	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lorain	100.3	100.4	OH-LO-127.0000	4" clay and plastic	Drain tiles
	Lorain	100.6	100.7	OH-LO-130.0000	4" clay and plastic	Drain tiles
	Lorain	100.8	101.0	OH-LO-131.0000	4" clay and plastic	Drain tiles
	Lorain	101.0	101.1	OH-LO-132.0000	4" clay and plastic	Drain tiles
	Lorain	101.1	101.3	OH-LO-133.0000	4" clay and plastic	Drain tiles
	Huron	101.3	101.6	OH-HU-002.0000	4" clay and plastic	Drain tiles
	Huron	101.6	101.6	OH-HU-003.0000	4" clay and plastic	Drain tiles
	Huron	101.6	101.8	OH-HU-004.0000	4" clay and plastic	Drain tiles
	Huron	101.8	101.8	OH-HU-005.0000	4" clay and plastic	Drain tiles
	Huron	101.8	102.3	OH-HU-006.0000	4" clay and plastic	Drain tiles
	Huron	102.4	102.9	OH-HU-008.0000	4" clay and plastic	Drain tiles
	Huron	102.9	103.0	OH-HU-009.0000	4" clay and plastic	Drain tiles
	Huron	103.0	103.1	OH-HU-010.0000	4" clay and plastic	Drain tiles
	Huron	103.1	103.2	OH-HU-011.0000	4" clay and plastic	Drain tiles
	Huron	103.2	103.4	OH-HU-012.0000	4" clay and plastic	Drain tiles
	Huron	103.4	103.7	OH-HU-013.0000	4" plastic	Drain tiles
	Huron	103.7	103.9	OH-HU-014.0000	4" clay and plastic	Drain tiles
	Huron	103.9	104.0	OH-HU-016.0000	4" clay and plastic	Drain tiles
	Huron	104.0	104.0	OH-HU-017.0000	4" clay and plastic	Drain tiles
	Huron	104.0	104.2	OH-HU-018.0000	4" clay and plastic	Drain tiles
	Huron	104.2	104.4	OH-HU-019.0000	4" clay and plastic	Drain tiles
	Huron	104.4	104.6	OH-HU-020.0000	4" clay and plastic	Drain tiles
	Huron	104.6	104.7	OH-HU-023.0000	Size and type unknown	Drain tiles
	Huron	104.7	104.7	OH-HU-024.0000	4" clay and plastic	Drain tiles
	Erie	104.7	104.7	OH-ER-001.0000	Size and type unknown	Drain tiles
	Erie	104.7	105.0	OH-ER-002.0000	Size and type unknown	Drain tiles
	Erie	105.0	105.4	OH-ER-003.0000	Size and type unknown	Drain tiles
	Erie	105.4	105.5	OH-ER-004.0000	Size unknown, clay and plastic	Drain tiles
	Erie	105.5	105.9	OH-ER-005.0000	Size unknown, clay and plastic	Drain tiles
	Erie	105.9	105.9	OH-ER-007.0000	4" to 10" plastic; 2.5' to 3' depth	Drain tiles
	Erie	105.9	106.1	OH-ER-008.0000	Size and type unknown	Drain tiles
	Erie	106.1	106.2	OH-ER-010.0000	Size and type unknown	Drain tiles
	Erie	106.2	106.5	OH-ER-011.0000	Size unknown; PVC and clay; 2' depth	Drain tiles
	Erie	106.5	106.6	OH-ER-012.0000	Size and type unknown	Drain tiles
	Erie	106.6	106.7	OH-ER-013.0000	Clay and plastic, size unknown	Drain tiles
	Erie	106.7	106.8	OH-ER-014.0000	PVC and clay, 2' to 3' depth	Drain tiles
	Erie	106.8	107.0	OH-ER-015.0000	Size unknown, clay and plastic	Drain tiles

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Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Erie	107.0	107.3	OH-ER-016.0000	Size unknown, clay and plastic	Drain tiles
	Erie	107.3	107.6	OH-ER-017.0000	Size unknown, clay and plastic	Drain tiles
	Erie	107.6	107.8	OH-ER-019.0000	Size and type unknown	Drain tiles
	Erie	107.8	108.0	OH-ER-020.0000	Size unknown, clay and plastic	Drain tiles
	Erie	108.0	108.0	OH-ER-021.0000	Size and type unknown	Drain tiles
	Erie	108.0	108.4	OH-ER-022.0000	Size and type unknown	Drain tiles
	Erie	108.4	108.6	OH-ER-023.0000	Size and type unknown	Drain tiles
	Erie	108.4	108.6	OH-ER-022.0010	PVC and clay, 2' to 3' depth	Drain tiles
	Erie	108.7	109.0	OH-ER-025.0000	Clay and plastic	Drain tiles
	Erie	109.0	109.1	OH-ER-026.0000	Clay and plastic	Drain tiles
	Erie	109.1	109.2	OH-ER-027.0000	Size and type unknown	Drain tiles
	Erie	109.2	109.4	OH-ER-028.0000	Size and type unknown	Drain tiles
	Erie	109.4	109.6	OH-ER-029.0000	PVC and clay, 2' depth	Drain tiles
	Erie	109.6	109.6	OH-ER-030.0000	Size and type unknown	Drain tiles
	Erie	109.6	109.8	OH-ER-031.0000	Size and type unknown	Drain tiles
	Erie	109.8	109.8	OH-ER-032.0000	Size and type unknown	Drain tiles
	Erie	109.8	110.2	OH-ER-033.0000	Size and type unknown	Drain tiles
	Erie	110.2	110.2	OH-ER-034.0000	Size and type unknown	Drain tiles
	Erie	110.3	110.3	OH-ER-037.0000	Size and type unknown	Drain tiles
	Erie	110.3	110.6	OH-ER-039.0000	Size and type unknown	Drain tiles
	Erie	110.5	110.5	OH-ER-000.0010-CERT-Y-1-SPRD-2	Size unknown, clay and plastic	Drain tiles
	Erie	110.6	110.8	OH-ER-040.0000	Size and type unknown	Drain tiles
	Erie	110.8	110.8	OH-ER-041.0000	Size and type unknown	Drain tiles
	Erie	110.8	110.9	OH-ER-042.0000	4" clay and plastic, 2' to 4' depth	Drain tiles
	Erie	111.1	111.4	OH-ER-044.0000	4" clay and plastic, 2' to 4' depth	Drain tiles
	Erie	111.1	111.4	OH-ER-044.0010	Size and type unknown	Drain tiles
	Erie	111.4	111.4	OH-ER-045.0000	4" clay and plastic, 3' to 4' depth	Drain tiles
	Erie	111.4	111.5	OH-ER-046.0000	4" clay and plastic, 3' to 4' depth	Drain tiles
	Erie	111.5	111.7	OH-ER-047.0000	Size and type unknown	Drain tiles
	Erie	111.9	111.9	OH-ER-053.0000	Size and type unknown	Drain tiles
	Erie	111.9	112.0	OH-ER-055.0000	Size and type unknown	Drain tiles
	Erie	112.1	112.4	OH-ER-059.0000	4" to 8" plastic	Drain tiles
	Erie	112.4	112.9	OH-ER-060.0000	8" to 10" plastic, 2' to 4' depth	Drain tiles
	Erie	112.9	113.1	OH-ER-061.0000	Size and type unknown	Drain tiles
	Erie	113.1	113.1	OH-ER-061.0010	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Erie	113.1	113.3	OH-ER-062.0010	Size and type unknown	Drain tiles
	Erie	113.3	113.3	OH-ER-063.0000	Size and type unknown	Drain tiles
	Erie	113.3	113.8	OH-ER-064.0000	4" to 8" clay and plastic, 2' to 3' depth	Drain tiles
	Erie	114.0	114.4	OH-ER-067.0000	4" to 6" clay and plastic, 2' to 3' depth	Drain tiles
	Erie	114.4	114.6	OH-ER-068.0000	4" to 6" clay and plastic, 2' to 3' depth	Drain tiles
	Erie	114.6	114.8	OH-ER-070.0000	4" clay and plastic, 3' depth	Drain tiles
	Erie	114.6	114.8	OH-ER-070.0000-AB-5	4" clay and plastic, 3' depth	Drain tiles
	Erie	114.8	115.0	OH-ER-071.0000	4" to 8" plastic and clay, 2.5' to 3' depth	Drain tiles
	Erie	115.0	115.2	OH-ER-073.0000	4" to 8" plastic and clay, 2.5' to 3' in depth	Drain tiles
	Erie	115.2	115.4	OH-ER-074.0000	4" to 8" plastic and clay, 3' depth	Drain tiles
	Erie	115.4	115.6	OH-ER-075.0000	Size and type unknown	Drain tiles
	Erie	115.6	115.9	OH-ER-076.0000/OH-ER-076.0000-TAR-2	4" to 6" clay and 7" plastic, 3' depth	Drain tiles
	Erie	116.0	116.1	OH-ER-078.0000/OH-ER-078.0000-TAR-3	Size and type unknown	Drain tiles
	Erie	116.0	116.0	OH-ER-078.0010-TAR-3	Size and type unknown	Drain tiles
	Erie	116.0	116.0	OH-ER-078.0020-TAR-3	Size and type unknown	Drain tiles
	Erie	116.1	116.3	OH-ER-080.0000	4" to 6" clay and 7" plastic, 3' depth	Drain tiles
	Erie	116.3	116.5	OH-ER-082.0000	4" to 6" clay and 7" plastic, 3' depth	Drain tiles
	Erie	116.5	116.5	OH-ER-083.0000/OH-ER-083.0000-TAR-4	Size and type unknown	Drain tiles
	Erie	116.6	116.7	OH-ER-085.0000	Size and type unknown	Drain tiles
	Erie	116.7	116.9	OH-ER-086.0000/OH-ER-086.0000-TAR-5	Size and type unknown	Drain tiles
	Erie	116.9	116.9	OH-ER-087.0000	4" plastic	Drain tiles
	Erie	116.9	117.1	OH-ER-088.0000	Size and type unknown	Drain tiles
	Erie	117.1	117.2	OH-ER-089.0000	Size and type unknown	Drain tiles
	Erie	117.2	117.7	OH-ER-091.0000	4" plastic	Drain tiles
	Erie	117.7	118.1	OH-ER-092.0000	4" plastic and clay	Drain tiles
	Erie	118.3	118.4	OH-ER-096.0000	Size and type unknown	Drain tiles
	Erie	119.2	119.4	OH-ER-101.0000	Size and type unknown	Drain tiles
	Erie	119.2	119.2	OH-ER-099.0010	Size and type unknown	Drain tiles
	Erie	119.4	119.4	OH-ER-102.0000	Size and type unknown	Drain tiles
	Erie	119.4	119.5	OH-ER-104.0000	4" plastic	Drain tiles
	Erie	119.5	119.8	OH-ER-106.0000/OH-ER-106.0000-TAR-7	4" to 6" clay and plastic	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Erie	119.5	120.0	OH-ER-106.0010/OH-ER-106.0010-TAR-7	4" to 6" clay and plastic	Drain tiles
	Erie	119.8	120.1	OH-ER-107.0000	4" and 6" clay	Drain tiles
	Erie	120.0	120.1	OH-ER-108.0000	4" plastic	Drain tiles
	Erie	120.1	120.3	OH-ER-109.0000	4" and 6" clay	Drain tiles
	Erie	120.3	120.4	OH-ER-110.0000	Size unknown clay	Drain tiles
	Erie	120.9	121.3	OH-ER-113.0000	4" and 6" plastic and clay	Drain tiles
	Erie	121.3	121.6	OH-ER-114.0000	4" and 6" plastic and clay	Drain tiles
	Erie	121.6	122.1	OH-ER-115.0000	4" and 6" plastic and clay	Drain tiles
	Erie	122.1	122.7	OH-ER-116.0000	Size and type unknown	Drain tiles
	Erie	122.1	122.3	OH-ER-118.0000	4" and 6" plastic and clay	Drain tiles
	Erie	122.1	122.1	OH-ER-119.0000	Size and type unknown	Drain tiles
	Erie	122.3	122.5	OH-ER-120.0000	Size and type unknown	Drain tiles
	Erie	122.5	122.7	OH-ER-121.0000	Size and type unknown	Drain tiles
	Erie	122.7	123.1	OH-ER-122.0000	6" and 8" plastic and clay	Drain tiles
	Erie	123.1	123.2	OH-ER-123.0000	6" and 8" plastic and clay	Drain tiles
	Erie	123.3	123.6	OH-ER-125.0000	4" and 6" plastic and clay	Drain tiles
	Erie	123.6	124.0	OH-ER-128.0000/OH-ER-128.0000-TAR-8	4" and 6" plastic and clay	Drain tiles
	Erie	123.6	123.6	OH-ER-128.0010-TAR-8	4" to 6" clay and plastic	Drain tiles
	Erie	124.0	124.4	OH-ER-129.0000	4" to 8" clay plastic and	Drain tiles
	Erie	124.4	124.8	OH-ER-130.0000	4" to 6" clay and plastic	Drain tiles
	Erie	124.8	124.9	OH-ER-132.0000	4" to 6" clay plastic and	Drain tiles
	Erie	124.9	125.4	OH-ER-133.0000	4" to 8" clay and plastic	Drain tiles
	Erie	125.4	125.7	OH-ER-134.0000	4" to 6" plastic	Drain tiles
	Erie	125.7	125.8	OH-ER-135.0000	4" to 6" plastic	Drain tiles
	Erie	126.1	126.1	OH-ER-141.0000	Size and type unknown	Drain tiles
	Erie	126.1	126.2	OH-ER-142.0000	Size and type unknown	Drain tiles
	Erie	126.3	126.7	OH-ER-144.0000	Size and type unknown	Drain tiles
	Erie	126.5	126.7	OH-ER-144.0020	Size and type unknown	Drain tiles
	Erie	126.7	126.8	OH-ER-146.0000	Size and type unknown	Drain tiles
	Erie	126.7	126.8	OH-ER-146.0010	Size and type unknown	Drain tiles
	Erie	126.7	126.8	OH-ER-146.0020	Size and type unknown	Drain tiles
	Erie	126.8	127.3	OH-ER-147.0000	Size and type unknown	Drain tiles

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Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Erie	127.3	127.3	OH-ER-148.0000	Size and type unknown	Drain tiles
	Erie	127.3	127.3	OH-ER-149.0000	Size and type unknown	Drain tiles
	Erie	127.3	127.6	OH-ER-150.0000	Size and type unknown	Drain tiles
	Erie	127.6	127.7	OH-ER-150.0100	Size and type unknown	Drain tiles
	Erie	127.8	127.9	OH-ER-153.0000	Size and type unknown	Drain tiles
	Erie	127.9	128.3	OH-ER-154.0000/OH-ER-154.0000-TAR-9	Size and type unknown	Drain tiles
	Erie	128.3	128.3	OH-ER-155.0010	Size and type unknown	Drain tiles
	Erie	128.6	128.8	OH-ER-158.0100-AB-6	Size and type unknown	Drain tiles
	Erie	128.7	128.8	OH-ER-158.0000/OH-ER-158.0000-AB-6/OH-ER-158.0000-PAR-4	Size and type unknown	Drain tiles
	Erie	128.8	129.2	OH-ER-160.0000/OH-ER-160.0000-TAR-11	Size and type unknown	Drain tiles
	Erie	129.2	129.6	OH-ER-161.0000	Size and type unknown	Drain tiles
	Erie	129.6	129.7	OH-ER-162.0000	Size and type unknown	Drain tiles
	Erie	129.7	130.0	OH-ER-163.0000	Size and type unknown	Drain tiles
	Erie	130.1	130.2	OH-ER-165.0000	Size and type unknown	Drain tiles
	Erie	130.2	130.4	OH-ER-166.0000	Size and type unknown	Drain tiles
	Erie	130.4	130.5	OH-ER-167.0000	Size and type unknown	Drain tiles
	Erie	130.5	130.6	OH-ER-168.0000	Size and type unknown	Drain tiles
	Erie	130.6	130.8	OH-ER-169.0000	Size and type unknown	Drain tiles
	Erie	130.8	131.1	OH-ER-171.0000	Size and type unknown	Drain tiles
	Erie	131.1	131.5	OH-ER-172.0000	Size and type unknown	Drain tiles
	Sandusky	131.5	131.7	OH-SA-002.0000	Size and type unknown	Drain tiles
	Sandusky	131.7	131.9	OH-SA-003.0000	Size and type unknown	Drain tiles
	Sandusky	131.9	132.0	OH-SA-004.0000	2 5' point wells	Drain tiles
	Sandusky	132.0	132.1	OH-SA-005.0000	2" to 10" clay and plastic	Drain tiles
	Sandusky	132.1	132.2	OH-SA-006.0000	2" to 10" clay and plastic	Drain tiles
	Sandusky	132.2	132.5	OH-SA-007.0000	2" to 10" clay and plastic	Drain tiles
	Sandusky	132.5	132.7	OH-SA-008.0000	2" to 10" clay	Drain tiles
	Sandusky	132.7	132.8	OH-SA-010.0000	Size and type unknown	Drain tiles
	Sandusky	132.8	133.1	OH-SA-011.0000	Size and type unknown	Drain tiles
	Sandusky	133.1	133.4	OH-SA-012.0000	4" to 8" plastic	Drain tiles
	Sandusky	133.4	133.5	OH-SA-014.0000	4" tile plastic, 1.5' to 2' depth	Drain tiles
	Sandusky	133.5	133.9	OH-SA-016.0000	6" clay, 2.5' depth	Drain tiles
	Sandusky	133.9	134.1	OH-SA-017.0010/OH-SA-017.0010-CS	Size and type unknown	Drain tiles
	Sandusky	133.9	134.1	OH-SA-017.0020/OH-SA-017.0020-CS	Size and type unknown	Drain tiles
	Sandusky	133.9	134.1	OH-SA-017.0000/OH-SA-017.0000-CS	Size and type unknown	Drain tiles

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Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Sandusky	134.1	134.4	OH-SA-019.0000	Size and type unknown	Drain tiles
	Sandusky	134.1	134.4	OH-SA-019.0010	Size and type unknown	Drain tiles
	Sandusky	134.6	135.4	OH-SA-022.0000	4" to 8" plastic, 2.5' depth	Drain tiles
	Sandusky	135.4	135.9	OH-SA-024.0000	Size and type unknown	Drain tiles
	Sandusky	135.9	136.4	OH-SA-025.0000	4" to 8" plastic; 2.5' depth	Drain tiles
	Sandusky	136.4	136.9	OH-SA-027.0000	Size and type unknown	Drain tiles
	Sandusky	136.9	137.4	OH-SA-028.0000	4" plastic, 2.5' depth	Drain tiles
	Sandusky	137.4	137.5	OH-SA-030.0000	Size and type unknown	Drain tiles
	Sandusky	137.5	137.9	OH-SA-031.0000	Size and type unknown	Drain tiles
	Sandusky	137.9	138.0	OH-SA-032.0000	4" plastic, 2.5' depth	Drain tiles
	Sandusky	138.0	138.3	OH-SA-033.0000	Size and type unknown	Drain tiles
	Sandusky	138.3	138.4	OH-SA-034.0000	4" plastic, 2.5' depth	Drain tiles
	Sandusky	139.9	139.9	OH-SA-047.0000	Size and type unknown	Drain tiles
	Sandusky	139.9	140.1	OH-SA-048.0000	4" and 8" clay, 3' depth	Drain tiles
	Sandusky	140.1	140.7	OH-SA-050.0000	Size and type unknown	Drain tiles
	Sandusky	140.7	140.8	OH-SA-052.0000	4" and 8" plastic, 2.7' depth	Drain tiles
	Sandusky	140.8	141.3	OH-SA-054.0000	4" and 8" plastic, 2.5' depth	Drain tiles
	Sandusky	141.3	141.6	OH-SA-056.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	141.6	141.9	OH-SA-059.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	141.9	142.2	OH-SA-061.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	142.2	142.5	OH-SA-062.0000	4" and 8" plastic and clay, 3' depth	Drain tiles
	Sandusky	142.5	142.6	OH-SA-063.0000	4" and 8" plastic and clay, 3' depth	Drain tiles
	Sandusky	142.6	142.7	OH-SA-064.0000	4" and 8" plastic and clay, 3' depth	Drain tiles
	Sandusky	142.7	142.7	OH-SA-065.0000	4",6" and 8" plastic, 2.5' depth	Drain tiles
	Sandusky	142.7	142.8	OH-SA-067.0000	4",6" and 8" plastic, 2.5' depth	Drain tiles
	Sandusky	142.8	143.0	OH-SA-068.0000	4",6" and 8" plastic, 2.5' depth	Drain tiles
	Sandusky	143.3	143.5	OH-SA-072.0000	Size and type unknown	Drain tiles
	Sandusky	143.5	143.7	OH-SA-073.0000	Size and type unknown	Drain tiles
	Sandusky	143.7	143.9	OH-SA-074.0000	Size and type unknown	Drain tiles
	Sandusky	143.9	144.2	OH-SA-076.0000	4" and 8" plastic, 3' depth	Drain tiles
	Sandusky	144.2	144.3	OH-SA-077.0000	Size and type unknown	Drain tiles
	Sandusky	144.3	144.4	OH-SA-078.0000	Size and type unknown	Drain tiles
	Sandusky	144.4	144.7	OH-SA-080.0000	4" and 8" plastic, 3' depth	Drain tiles

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Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Sandusky	144.9	145.2	OH-SA-081.0000/OH-SA-081.0000-AB-1	4" and 8" plastic, 3' depth	Drain tiles
	Sandusky	145.2	145.2	OH-SA-081.0100-AB-1	Size and type unknown	Drain tiles
	Sandusky	147.0	147.2	OH-SA-102.0000	6" clay, 2.7' depth	Drain tiles
	Sandusky	147.5	147.6	OH-SA-105.0000	4" and 8" plastic, 2.5' depth	Drain tiles
	Sandusky	147.6	147.7	OH-SA-107.0000	4" to 8" clay; 3' in depth	Drain tiles
	Sandusky	147.7	148.1	OH-SA-108.0000	Size and type unknown	Drain tiles
	Sandusky	148.1	148.2	OH-SA-109.0000	4" plastic, 2.7' depth	Drain tiles
	Sandusky	148.2	148.3	OH-SA-110.0000	4" plastic, 2.7' depth	Drain tiles
	Sandusky	148.3	148.8	OH-SA-112.0000	4" plastic, 2.7' depth	Drain tiles
	Sandusky	148.8	149.0	OH-SA-113.0000	4" and 8" clay and concrete, 2.7' depth	Drain tiles
	Sandusky	149.0	149.3	OH-SA-114.0000	4" and 8" clay and concrete, 2.7' depth	Drain tiles
	Sandusky	149.3	149.4	OH-SA-115.0000	4" and 8" clay and concrete, 2.7' depth	Drain tiles
	Sandusky	149.4	149.6	OH-SA-116.0000	Size and type unknown	Drain tiles
	Sandusky	149.6	149.8	OH-SA-118.0000	Size and type unknown	Drain tiles
	Sandusky	149.8	150.0	OH-SA-119.0000	Size and type unknown	Drain tiles
	Sandusky	150.0	150.3	OH-SA-120.0000	Size and type unknown	Drain tiles
	Sandusky	150.3	150.5	OH-SA-122.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	150.5	150.7	OH-SA-123.0000	4" plastic, 2.7' depth	Drain tiles
	Sandusky	150.7	151.2	OH-SA-125.0000	4" to 8" plastic, 2.5' depth	Drain tiles
	Sandusky	151.2	151.2	OH-SA-126.0000	Size and type unknown	Drain tiles
	Sandusky	151.3	151.4	OH-SA-128.0000	Size and type unknown	Drain tiles
	Sandusky	151.4	151.5	OH-SA-129.0000	4" and 8" plastic, 2.8' depth	Drain tiles
	Sandusky	151.5	151.7	OH-SA-130.0000	Size and type unknown	Drain tiles
	Sandusky	151.7	151.8	OH-SA-132.0000	4" plastic, 2.7' depth	Drain tiles
	Sandusky	151.9	152.2	OH-SA-134.0000	4" clay and plastic, 3.3' depth	Drain tiles
	Sandusky	152.2	152.5	OH-SA-135.0000	8" plastic, 2.5' depth	Drain tiles
	Sandusky	152.5	152.7	OH-SA-136.0000	4" and 8" plastic, 3' depth	Drain tiles
	Sandusky	152.7	152.7	OH-SA-137.0000	4" and 8" plastic, 3' depth	Drain tiles
	Sandusky	152.7	152.9	OH-SA-139.0000	Size and type unknown	Drain tiles
	Sandusky	152.9	153.0	OH-SA-140.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	153.0	153.2	OH-SA-141.0000	4" plastic, 2' depth	Drain tiles
	Sandusky	153.2	153.5	OH-SA-142.0000	Size and type unknown	Drain tiles
	Sandusky	153.5	153.7	OH-SA-143.0000	4' plastic, 2.7' depth	Drain tiles
	Sandusky	153.8	154.0	OH-SA-145.0000	4' plastic, 2.7' depth	Drain tiles
	Sandusky	154.0	154.1	OH-SA-146.0000	4" plastic, 2.5' depth	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Sandusky	154.1	154.1	OH-SA-147.0000	Size and type unknown	Drain tiles
	Sandusky	154.3	154.6	OH-SA-150.0000	4" clay, 1.7' depth	Drain tiles
	Sandusky	154.6	154.7	OH-SA-151.0000	Size and type unknown	Drain tiles
	Sandusky	154.7	154.8	OH-SA-153.0000	Size and type unknown	Drain tiles
	Sandusky	154.8	154.9	OH-SA-154.0000	Size and type unknown	Drain tiles
	Sandusky	154.9	155.0	OH-SA-155.0000	Size and type unknown	Drain tiles
	Sandusky	155.0	155.4	OH-SA-156.0000	Size and type unknown	Drain tiles
	Sandusky	155.4	155.6	OH-SA-157.0000	Size and type unknown	Drain tiles
	Sandusky	155.6	155.6	OH-SA-157.0010	Size and type unknown	Drain tiles
	Sandusky	155.6	155.9	OH-SA-158.0000	Size and type unknown	Drain tiles
	Sandusky	155.6	155.6	OH-SA-159.0000	Size and type unknown	Drain tiles
	Sandusky	155.9	156.3	OH-SA-161.0000	Size and type unknown	Drain tiles
	Sandusky	156.4	156.6	OH-SA-163.0000	Size and type unknown	Drain tiles
	Sandusky	156.6	156.9	OH-SA-164.0000	4" plastic, 3' to 4' depth	Drain tiles
	Sandusky	156.9	157.1	OH-SA-165.0000	Size and type unknown	Drain tiles
	Sandusky	157.1	157.4	OH-SA-167.0000	Size unknown, clay	Drain tiles
	Sandusky	157.7	157.9	OH-SA-171.0000	Size and type unknown	Drain tiles
	Sandusky	158.2	158.4	OH-SA-174.0000	6" clay, 2' depth	Drain tiles
	Sandusky	158.4	158.6	OH-SA-175.0000	4" clay and plastic, 2' to 3' depth	Drain tiles
	Sandusky	158.6	158.9	OH-SA-176.0000	4" clay and plastic, 2' to 3' depth	Drain tiles
	Sandusky	158.9	159.0	OH-SA-177.0000	2" and 4" clay, 2' depth	Drain tiles
	Sandusky	159.0	159.2	OH-SA-179.0000	4" clay and plastic, 2' to 4' depth	Drain tiles
	Sandusky	159.2	159.4	OH-SA-180.0000	4" and 6" clay and plastic, 2' to 4' depth	Drain tiles
	Sandusky	159.4	159.4	OH-SA-181.0000	2" and 4" clay, 2' depth	Drain tiles
	Sandusky	160.3	160.4	OH-SA-189.0000/OH-SA-189.0000-AB-2	8" plastic, 2' to 3' depth	Drain tiles
	Sandusky	160.4	160.8	OH-SA-190.0000	8" plastic, 2' to 3' depth	Drain tiles
	Sandusky	160.8	160.8	OH-SA-191.0000	Size and type unknown	Drain tiles
	Sandusky	160.8	161.1	OH-SA-192.0000	Size unknown, clay	Drain tiles
	Sandusky	161.1	161.4	OH-SA-194.0000	Size unknown, clay	Drain tiles
	Sandusky	161.4	161.4	OH-SA-195.0000	6" and 8" plastic, 3' depth	Drain tiles
	Sandusky	161.4	161.4	OH-SA-196.0000	6" and 8" plastic, 3' depth	Drain tiles
	Sandusky	161.4	161.7	OH-SA-197.0000	6" and 8" plastic, 3' depth	Drain tiles
	Sandusky	161.7	161.9	OH-SA-198.0000	4" clay and plastic and 3' depth	Drain tiles
	Sandusky	161.9	162.3	OH-SA-200.0000	4" clay, 3' depth	Drain tiles
	Sandusky	162.3	162.4	OH-SA-201.0000	6" and 8" plastic, 3' depth	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Sandusky	162.4	162.5	OH-SA-203.0000	Size and type unknown	Drain tiles
	Sandusky	162.5	162.5	OH-SA-204.0000	Size and type unknown	Drain tiles
	Sandusky	162.6	162.8	OH-SA-207.0000	6" clay, 2' depth	Drain tiles
	Sandusky	162.8	162.9	OH-SA-208.0000	4" clay, 1.5' depth	Drain tiles
	Sandusky	163.1	163.2	OH-SA-212.0000	4" and 8" plastic and clay, 2' to 4' depth	Drain tiles
	Sandusky	163.6	163.6	OH-SA-215.0000	4" clay, 2' to 4' depth	Drain tiles
	Sandusky	163.6	163.6	OH-SA-216.0000	4" clay, 2' to 4' depth	Drain tiles
	Sandusky	163.6	163.7	OH-SA-217.0000	4" clay, 2' to 4' depth	Drain tiles
	Sandusky	163.7	163.7	OH-SA-218.0000	4" clay, 2.5' depth	Drain tiles
	Wood	163.7	164.0	OH-WO-002.0000	4" clay	Drain tiles
	Wood	163.7	163.8	OH-WO-002.0010	4" to 6" clay; 2' to 3' depth	Drain tiles
	Wood	163.8	164.0	OH-WO-003.0000	3" to 4" clay, 3' to 4' depth	Drain tiles
	Wood	164.0	164.1	OH-WO-004.0000	Size and type unknown	Drain tiles
	Wood	164.1	164.2	OH-WO-005.0000	Size and type unknown	Drain tiles
	Wood	164.2	164.5	OH-WO-006.0000	Size and type unknown	Drain tiles
	Wood	164.7	164.9	OH-WO-009.0000	Size and type unknown	Drain tiles
	Wood	165.0	165.1	OH-WO-011.0000	Size and type unknown	Drain tiles
	Wood	165.1	165.1	OH-WO-012.0000	Size and type unknown	Drain tiles
	Wood	165.1	165.2	OH-WO-013.0000	Size and type unknown	Drain tiles
	Wood	165.2	165.4	OH-WO-014.0000	Size and type unknown	Drain tiles
	Wood	165.4	165.6	OH-WO-015.0000	4" plastic; 3' depth	Drain tiles
	Wood	165.6	165.7	OH-WO-016.0000	4" and 6" clay and plastic	Drain tiles
	Wood	165.7	165.8	OH-WO-017.0000	4" and 6" plastic	Drain tiles
	Wood	165.8	166.0	OH-WO-018.0000	Size and type unknown	Drain tiles
	Wood	166.1	166.1	OH-WO-021.0000	Size and type unknown	Drain tiles
	Wood	166.1	166.6	OH-WO-022.0000	Size and type unknown	Drain tiles
	Wood	166.6	166.7	OH-WO-023.0000	Size and type unknown	Drain tiles
	Wood	166.7	166.7	OH-WO-024.0000	Size and type unknown	Drain tiles
	Wood	166.8	167.2	OH-WO-026.0000	Size and type unknown	Drain tiles
	Wood	167.2	167.4	OH-WO-028.0000	Size and type unknown	Drain tiles
	Wood	167.4	167.8	OH-WO-029.0000	Size and type unknown	Drain tiles
	Wood	167.4	167.4	OH-WO-029.0010	4" clay and concrete, 3' depth	Drain tiles
	Wood	167.7	167.8	OH-WO-030.0000	Size and type unknown	Drain tiles
	Wood	167.8	167.8	OH-WO-031.0000	4" plastic, 2.5' to 3' depth	Drain tiles
	Wood	167.8	168.0	OH-WO-033.0000	4" clay, 2.5' to 3' depth	Drain tiles
	Wood	168.0	168.1	OH-WO-034.0000	4" clay, 2.5' to 3' depth	Drain tiles
	Wood	168.1	168.2	OH-WO-035.0000	4" clay, 2.5' to 3' depth	Drain tiles
	Wood	168.2	168.3	OH-WO-036.0000	4" clay, 2.5' to 3' depth	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Wood	168.3	168.4	OH-WO-037.0000	4" clay, 3.5' depth	Drain tiles
	Wood	168.4	168.4	OH-WO-039.0000	4" clay, 3.5' depth	Drain tiles
	Wood	168.4	168.9	OH-WO-040.0000	Clay and concrete, 4' depth	Drain tiles
	Wood	168.9	169.4	OH-WO-041.0000	4" clay	Drain tiles
	Wood	169.4	169.9	OH-WO-043.0000	4" plastic	Drain tiles
	Wood	169.9	170.2	OH-WO-044.0000	4" plastic	Drain tiles
	Wood	170.2	170.4	OH-WO-045.0000	4" plastic	Drain tiles
	Wood	170.4	170.7	OH-WO-047.0000	4" to 8", type unknown	Drain tiles
	Wood	170.7	170.8	OH-WO-049.0000	Size and type unknown	Drain tiles
	Wood	170.8	170.9	OH-WO-051.0000	Size and type unknown	Drain tiles
	Wood	170.9	170.9	OH-WO-052.0000	Size and type unknown	Drain tiles
	Wood	170.9	171.2	OH-WO-053.0000	Size and type unknown	Drain tiles
	Wood	171.2	171.4	OH-WO-054.0000	4" plastic	Drain tiles
	Wood	171.4	171.4	OH-WO-055.0000	4" plastic	Drain tiles
	Wood	171.4	171.7	OH-WO-057.0000	4" clay and plastic	Drain tiles
	Wood	171.4	171.7	OH-WO-058.0000	4" plastic	Drain tiles
	Wood	171.7	171.8	OH-WO-059.0000	4" clay and plastic	Drain tiles
	Wood	171.8	171.8	OH-WO-060.0000	4" clay and plastic	Drain tiles
	Wood	171.8	171.9	OH-WO-061.0000	3" to 6" clay, plastic and cement	Drain tiles
	Wood	171.9	172.0	OH-WO-062.0000	Size and type unknown	Drain tiles
	Wood	172.0	172.2	OH-WO-063.0000	4" clay and plastic	Drain tiles
	Wood	172.2	172.2	OH-WO-064.0000	Clay and plastic, size unknown	Drain tiles
	Wood	172.2	172.3	OH-WO-065.0000	Clay and plastic, size unknown	Drain tiles
	Wood	172.3	172.5	OH-WO-066.0000	4" clay, concrete and plastic	Drain tiles
	Wood	172.5	172.5	OH-WO-067.0000	Size and type unknown	Drain tiles
	Wood	172.5	172.6	OH-WO-068.0000	Size and type unknown	Drain tiles
	Wood	172.6	172.8	OH-WO-070.0000	4" clay, concrete and plastic	Drain tiles
	Wood	172.8	172.9	OH-WO-071.0000	4" plastic	Drain tiles
	Wood	172.9	173.0	OH-WO-072.0000	4" plastic	Drain tiles
	Wood	173.0	173.3	OH-WO-073.0000	4" plastic	Drain tiles
	Wood	173.4	173.4	OH-WO-074.0010	Size and type unknown	Drain tiles
	Wood	173.9	173.9	OH-WO-081.0000	Size and type unknown	Drain tiles
	Wood	174.0	174.0	OH-WO-084.0000	4" to 10" clay	Drain tiles
	Wood	174.0	174.2	OH-WO-085.0000	4" to 10" clay	Drain tiles
	Wood	174.2	174.5	OH-WO-086.0000	4" plastic	Drain tiles
	Wood	174.5	174.6	OH-WO-088.0000/OH-WO-088.0000-AB-3	4" plastic	Drain tiles
	Wood	174.5	174.6	OH-WO-088.0100-AB-3	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Wood	174.6	174.7	OH-WO-089.0000	4" plastic	Drain tiles
	Wood	174.7	174.7	OH-WO-090.0000	4" plastic	Drain tiles
	Wood	174.7	174.9	OH-WO-091.0000	4" plastic	Drain tiles
	Wood	174.9	175.0	OH-WO-092.0000	Size and type unknown	Drain tiles
	Wood	175.0	175.1	OH-WO-093.0000	Size and type unknown	Drain tiles
	Wood	175.2	175.2	OH-WO-095.0000	Size and type unknown	Drain tiles
	Wood	175.2	175.4	OH-WO-096.0000	Size and type unknown	Drain tiles
	Wood	175.4	175.4	OH-WO-097.0000	4" clay, concrete and plastic	Drain tiles
	Wood	175.4	175.6	OH-WO-099.0000	Size and type unknown	Drain tiles
	Wood	175.6	176.1	OH-WO-101.0000	4" to 6" plastic	Drain tiles
	Wood	176.1	176.2	OH-WO-102.0000	4" to 6" plastic	Drain tiles
	Wood	176.2	176.6	OH-WO-103.0000	Size and type unknown	Drain tiles
	Wood	176.6	176.8	OH-WO-105.0000	4" clay and plastic	Drain tiles
	Wood	176.8	176.9	OH-WO-106.0000	4" clay and plastic	Drain tiles
	Wood	176.9	176.9	OH-WO-107.0000	4" clay and plastic	Drain tiles
	Wood	176.9	177.0	OH-WO-108.0000	4" clay and plastic	Drain tiles
	Wood	177.0	177.0	OH-WO-109.0000	4" clay and plastic	Drain tiles
	Wood	177.0	177.3	OH-WO-110.0000	4" to 6" plastic	Drain tiles
	Wood	177.3	177.7	OH-WO-112.0000	Size and type unknown	Drain tiles
	Wood	177.7	177.8	OH-WO-113.0000	4" to 6" plastic	Drain tiles
	Wood	177.8	177.8	OH-WO-114.0000	4" clay and plastic	Drain tiles
	Wood	177.8	178.1	OH-WO-115.0000	4" clay and plastic	Drain tiles
	Wood	178.1	178.3	OH-WO-117.0000	4" clay and plastic	Drain tiles
	Wood	178.3	178.4	OH-WO-118.0000	4" clay and plastic	Drain tiles
	Wood	178.4	178.4	OH-WO-119.0000	Size and type unknown	Drain tiles
	Wood	178.4	178.5	OH-WO-120.0000	4" clay	Drain tiles
	Wood	178.6	178.8	OH-WO-122.0000	4" clay	Drain tiles
	Wood	178.8	179.1	OH-WO-123.0000	4" clay, concrete and plastic	Drain tiles
	Wood	179.1	179.2	OH-WO-125.0000	4" clay and plastic	Drain tiles
	Wood	179.2	179.3	OH-WO-126.0000	4" clay and plastic	Drain tiles
	Wood	179.3	179.5	OH-WO-128.0000	4" and 10" clay and cement and PVC, 2.25' to 3.1' depth	Drain tiles
	Wood	179.5	179.5	OH-WO-129.0000	Size and type unknown	Drain tiles
	Wood	179.5	179.7	OH-WO-130.0000	6" clay, 4' depth	Drain tiles
	Wood	179.9	180.2	OH-WO-131.0000	4" to 6" clay, 4' depth	Drain tiles
	Wood	180.2	180.5	OH-WO-134.0000	Size and type unknown	Drain tiles
	Wood	180.5	180.7	OH-WO-135.0000	Size and type unknown	Drain tiles
	Wood	181.0	181.2	OH-WO-139.0000	Size and type unknown	Drain tiles
	Wood	181.2	181.4	OH-WO-141.0000	Size and type unknown	Drain tiles
	Lucas	181.8	182.1	OH-LC-016.0000	4" clay drain tile	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lucas	182.1	182.1	OH-LC-017.0000	4" clay drain tile	Drain tiles
	Lucas	182.1	182.4	OH-LC-019.0000	4" clay drain tile	Drain tiles
	Lucas	182.4	182.6	OH-LC-020.0000	Size and type unknown	Drain tiles
	Lucas	182.6	182.8	OH-LC-021.0000	Size and type unknown	Drain tiles
	Lucas	182.8	182.9	OH-LC-022.0000	3" plastic	Drain tiles
	Lucas	182.9	183.1	OH-LC-023.0000	3" or 4" plastic	Drain tiles
	Lucas	183.1	183.3	OH-LC-025.0000	4" clay and plastic	Drain tiles
	Lucas	183.4	183.5	OH-LC-027.0000	4" clay	Drain tiles
	Lucas	183.5	183.6	OH-LC-028.0000/OH-LC-028.0000-CS	4" clay and plastic	Drain tiles
	Lucas	183.5	183.5	OH-LC-027.0001/OH-LC-027.0001-CS/OH-LC-027.0001-PAR-1	4" clay and plastic	Drain tiles
	Lucas	183.6	183.7	OH-LC-029.0000	3" or 4" plastic	Drain tiles
	Lucas	183.7	184.0	OH-LC-030.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	184.0	184.1	OH-LC-031.0000	4" to 5" plastic and clay	Drain tiles
	Lucas	184.1	184.2	OH-LC-032.0000	3" or 4" plastic	Drain tiles
	Lucas	184.3	184.5	OH-LC-034.0000	4" clay	Drain tiles
	Lucas	184.5	184.8	OH-LC-035.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	184.8	185.2	OH-LC-037.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	185.2	185.3	OH-LC-038.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	185.3	185.5	OH-LC-041.0000	4" clay	Drain tiles
	Lucas	185.5	185.8	OH-LC-042.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	185.8	186.0	OH-LC-043.0000	4" clay	Drain tiles
	Lucas	186.0	186.3	OH-LC-044.0000	4" clay	Drain tiles
	Lucas	186.3	186.6	OH-LC-046.0000	Clay, 4" or 5"	Drain tiles
	Lucas	186.6	186.6	OH-LC-047.0000	Clay, 4" or 5"	Drain tiles
	Lucas	186.6	186.8	OH-LC-048.0000	Clay, 4" or 5"	Drain tiles
	Lucas	186.8	187.1	OH-LC-049.0000	Clay, 4" or 5"	Drain tiles
	Lucas	187.1	187.3	OH-LC-050.0000	3" plastic	Drain tiles
	Lucas	187.3	187.6	OH-LC-052.0000	3" or 4" plastic and clay	Drain tiles
	Lucas	187.9	188.1	OH-LC-055.0000	4" to 5" plastic and clay	Drain tiles
	Lucas	188.1	188.4	OH-LC-056.0000	Size and type unknown	Drain tiles
	Lucas	188.4	188.6	OH-LC-058.0000	4 " and 6" plastic and clay	Drain tiles
	Lucas	188.6	188.6	OH-LC-059.0000	4 " and 6" plastic and clay	Drain tiles
	Lucas	188.6	188.8	OH-LC-060.0000	4 " and 6" plastic and clay	Drain tiles
	Lucas	188.8	188.9	OH-LC-061.0000	4" and 6" plastic	Drain tiles
	Lucas	188.9	189.1	OH-LC-063.0000	4" and 5" plastic	Drain tiles
	Lucas	189.1	189.3	OH-LC-064.0000	6" plastic	Drain tiles
	Henry	189.4	189.7	OH-HY-002.0000	Size and type unknown	Drain tiles
	Henry	189.8	190.0	OH-HY-004.0000	4" to 6" plastic	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Henry	190.0	190.2	OH-HY-006.0000	Size and type unknown	Drain tiles
	Fulton	190.2	190.5	OH-FU-001.0000	Size and type unknown	Drain tiles
	Fulton	190.5	190.9	OH-FU-003.0000/OH-FU-003.0000-AB-4	Size and type unknown	Drain tiles
	Fulton	190.9	191.5	OH-FU-004.0000	Size and type unknown	Drain tiles
	Fulton	191.5	191.6	OH-FU-006.0000	Size and type unknown	Drain tiles
	Fulton	191.6	192.0	OH-FU-007.0000	Size and type unknown	Drain tiles
	Fulton	192.0	192.3	OH-FU-008.0000	Size and type unknown	Drain tiles
	Fulton	192.3	192.8	OH-FU-010.0000	Size and type unknown	Drain tiles
	Fulton	192.8	193.0	OH-FU-012.0000	Size and type unknown	Drain tiles
	Fulton	193.0	193.3	OH-FU-013.0000	Size and type unknown	Drain tiles
	Fulton	193.8	194.1	OH-FU-017.0000	Size and type unknown	Drain tiles
	Fulton	194.1	194.3	OH-FU-018.0000	4" PVC and 8" main	Drain tiles
	Fulton	194.3	194.8	OH-FU-019.0000	4" PVC	Drain tiles
	Fulton	194.8	195.1	OH-FU-021.0000	Size and type unknown	Drain tiles
	Fulton	195.1	195.3	OH-FU-022.0000	Size and type unknown	Drain tiles
	Fulton	195.3	195.6	OH-FU-023.0000	4" and 6" sand slot and clay	Drain tiles
	Fulton	195.6	195.9	OH-FU-025.0000	6" PVC and clay	Drain tiles
	Fulton	195.9	196.2	OH-FU-027.0000	4" PVC	Drain tiles
	Fulton	196.2	196.7	OH-FU-029.0000	4" and 3" PVC and clay	Drain tiles
	Fulton	196.7	196.8	OH-FU-030.0000	4" and 3" PVC and clay	Drain tiles
	Fulton	196.8	197.3	OH-FU-031.0000	4" PVC and clay	Drain tiles
	Fulton	197.3	197.8	OH-FU-033.0000	Size and type unknown	Drain tiles
	Fulton	197.8	197.8	OH-FU-033.0010	Size and type unknown	Drain tiles
	Fulton	197.9	198.0	OH-FU-035.0000	4" and 10" clay and PVC	Drain tiles
	Fulton	198.0	198.0	OH-FU-036.0000	4" and 10" clay and PVC	Drain tiles
	Fulton	198.0	198.3	OH-FU-037.0000	Size and type unknown	Drain tiles
	Fulton	198.3	198.8	OH-FU-039.0000	4" PVC, 10" PVC	Drain tiles
	Fulton	198.8	199.0	OH-FU-040.0000	4" PVC, 10" PVC	Drain tiles
	Fulton	199.1	199.3	OH-FU-042.0000	4" PVC, 10" PVC	Drain tiles
	Fulton	199.1	199.3	OH-FU-042.0010	Size and type unknown	Drain tiles
	Fulton	199.3	199.4	OH-FU-044.0000	Size and type unknown	Drain tiles
	Fulton	199.4	199.6	OH-FU-045.0000	Size and type unknown	Drain tiles
	Fulton	199.6	199.7	OH-FU-046.0000	4" PVC	Drain tiles
	Fulton	199.7	200.0	OH-FU-047.0000	4" PVC and clay	Drain tiles
	Fulton	200.0	200.2	OH-FU-049.0000	Size and type unknown	Drain tiles
	Fulton	200.2	200.2	OH-FU-050.0000	Size and type unknown	Drain tiles
	Fulton	200.2	200.5	OH-FU-051.0000	Size and type unknown	Drain tiles
	Fulton	200.5	200.6	OH-FU-052.0000	Size and type unknown	Drain tiles
	Fulton	200.6	200.8	OH-FU-053.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Fulton	200.8	200.9	OH-FU-054.0000	4" clay and plastic	Drain tiles
	Fulton	200.9	201.4	OH-FU-057.0000	Size and type unknown	Drain tiles
	Fulton	201.4	201.6	OH-FU-058.0000	4" clay and plastic	Drain tiles
	Fulton	201.6	201.6	OH-FU-059.0000	Size and type unknown	Drain tiles
	Fulton	201.6	201.8	OH-FU-061.0000	Size and type unknown	Drain tiles
	Fulton	201.8	202.2	OH-FU-062.0000	Size and type unknown	Drain tiles
	Fulton	202.2	202.7	OH-FU-063.0000	4" clay, plastic and concrete	Drain tiles
	Fulton	202.7	202.8	OH-FU-065.0000	4" PVC, 4' depth	Drain tiles
	Fulton	202.8	203.0	OH-FU-066.0000	4" PVC, 4' depth	Drain tiles
	Fulton	203.0	203.2	OH-FU-067.0000	4" PVC, 4' depth	Drain tiles
	Fulton	203.2	203.4	OH-FU-068.0000	4" PVC, 4' depth	Drain tiles
	Fulton	203.4	203.7	OH-FU-069.0000	4" PVC, 4' depth	Drain tiles
	Fulton	203.8	203.9	OH-FU-071.0000	Size and type unknown	Drain tiles
	Fulton	203.9	204.3	OH-FU-072.0000	4" to 6" clay and PVC, 4' depth	Drain tiles
	Fulton	204.3	204.4	OH-FU-073.0000	4" to 6" clay and PVC, 4' depth	Drain tiles
	Fulton	204.5	204.8	OH-FU-075.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	204.8	204.9	OH-FU-076.0000	Size and type unknown	Drain tiles
	Fulton	204.9	205.3	OH-FU-078.0000	Size and type unknown	Drain tiles
	Fulton	204.9	205.3	OH-FU-079.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	205.3	205.5	OH-FU-080.0000	4" PVC, 4' depth	Drain tiles
	Fulton	205.5	206.0	OH-FU-081.0000	Size and type unknown	Drain tiles
	Fulton	206.0	206.2	OH-FU-083.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	206.2	206.5	OH-FU-084.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	206.5	206.7	OH-FU-085.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	206.7	207.0	OH-FU-086.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	207.0	207.2	OH-FU-088.0000/OH-FU-088.0000-AB-5	4" PVC, 3' depth	Drain tiles
	Fulton	207.0	207.2	OH-FU-088.0100-AB-5	Size and type unknown	Drain tiles
	Fulton	207.2	207.4	OH-FU-089.0000	4" PVC, 3' depth	Drain tiles
	Fulton	207.4	207.8	OH-FU-090.0000	4" PVC, 2' to 3' depth	Drain tiles
	Fulton	207.9	208.0	OH-FU-094.0000	6" PVC	Drain tiles
	Fulton	208.0	208.2	OH-FU-095.0000	Size and type unknown	Drain tiles
	Fulton	208.2	208.3	OH-FU-096.0000	Size and type unknown	Drain tiles
Michigan						
Mainline						
	Lenawee	208.3	208.5	MI-LE-001.0000/MI-LE-001.0000-TAR-1	4" clay and plastic	Drain tiles
	Lenawee	208.5	208.7	MI-LE-002.0000	4" clay and plastic	Drain tiles
	Lenawee	208.7	209.0	MI-LE-003.0000/MI-LE-003.0000-PAR-1	4" clay and plastic	Drain tiles
	Lenawee	209.0	209.5	MI-LE-005.0000	4" and 6" clay	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lenawee	209.5	209.7	MI-LE-006.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	209.7	210.0	MI-LE-007.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	210.0	210.2	MI-LE-010.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	210.2	210.5	MI-LE-011.0000	4" clay	Drain tiles
-	Lenawee	210.5	211.0	MI-LE-012.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	211.0	211.5	MI-LE-014.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	211.5	212.0	MI-LE-015.0000	4" plastic	Drain tiles
	Lenawee	212.0	212.5	MI-LE-017.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	212.5	213.0	MI-LE-018.0000	4" plastic	Drain tiles
	Lenawee	213.0	213.5	MI-LE-020.0000	4" and 6" plastic	Drain tiles
	Lenawee	213.5	214.0	MI-LE-021.0000	4" and 6" clay and plastic	Drain tiles
	Lenawee	214.0	214.3	MI-LE-023.0000	4" and 6" clay and plastic	Drain tiles
	Lenawee	214.3	214.5	MI-LE-024.0000	4" and 6" clay and plastic	Drain tiles
	Lenawee	214.5	214.8	MI-LE-025.0000	4" and 6" clay and plastic	Drain tiles
	Lenawee	215.1	215.2	MI-LE-026.0000	4" clay	Drain tiles
	Lenawee	215.8	215.9	MI-LE-027.0000	4" plastic	Drain tiles
	Lenawee	215.9	216.0	MI-LE-030.0000	Size and type unknown	Drain tiles
	Lenawee	216.0	216.3	MI-LE-031.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	216.3	216.7	MI-LE-032.0000	4" and 8" clay and plastic	Drain tiles
	Lenawee	216.7	216.8	MI-LE-034.0000	4" clay	Drain tiles
	Lenawee	216.8	217.1	MI-LE-035.0000	4" and 8" plastic	Drain tiles
	Lenawee	217.1	217.4	MI-LE-038.0000	4", 6" and 8" plastic	Drain tiles
	Lenawee	217.4	217.9	MI-LE-039.0000	4" plastic	Drain tiles
	Lenawee	217.9	218.4	MI-LE-040.0000	4" clay	Drain tiles
	Lenawee	218.4	218.9	MI-LE-042.0000	4" plastic	Drain tiles
	Lenawee	218.9	219.0	MI-LE-043.0000	4" clay	Drain tiles
	Lenawee	219.0	219.2	MI-LE-044.0000	4" clay	Drain tiles
	Lenawee	219.2	219.3	MI-LE-045.0000	4" clay	Drain tiles
	Lenawee	219.3	219.5	MI-LE-046.0000	4" clay	Drain tiles
	Lenawee	219.5	219.6	MI-LE-049.0000	4" clay and plastic	Drain tiles
	Lenawee	219.6	219.8	MI-LE-047.0000	Size and type unknown	Drain tiles
	Lenawee	219.8	220.1	MI-LE-049.0010	4" clay	Drain tiles
	Lenawee	220.1	220.1	MI-LE-050.0000	4" clay and 4" and 8" plastic	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lenawee	220.1	220.2	MI-LE-052.0000	4" clay and 4" and 8" plastic	Drain tiles
	Lenawee	220.2	220.4	MI-LE-053.0000	4" clay	Drain tiles
	Lenawee	220.4	220.4	MI-LE-054.0000	4" clay	Drain tiles
	Lenawee	220.4	220.6	MI-LE-055.0000	4" clay	Drain tiles
	Lenawee	220.6	220.6	MI-LE-056.0000	4" clay	Drain tiles
	Lenawee	220.6	220.7	MI-LE-057.0000	4" clay	Drain tiles
	Lenawee	220.7	221.0	MI-LE-059.0000/MI-LE-059.0000-AB-1/MI-LE-059.0000-PAR-2	4" and 8" plastic	Drain tiles
	Lenawee	220.7	221.0	MI-LE-059.0100-AB-1	4" clay	Drain tiles
	Lenawee	221.0	221.0	MI-LE-060.0000	4" clay and 4" and 8" plastic	Drain tiles
	Lenawee	221.0	221.2	MI-LE-061.0000	4" and 8" plastic	Drain tiles
	Lenawee	221.2	221.2	MI-LE-062.0000	4" clay and 4" and 8" plastic	Drain tiles
	Lenawee	221.2	221.3	MI-LE-063.0000	4" to 6" clay	Drain tiles
	Lenawee	221.3	221.6	MI-LE-065.0000	4" to 8" plastic	Drain tiles
	Lenawee	221.6	221.8	MI-LE-066.0000	4" to 6" drain tile clay	Drain tiles
	Lenawee	221.8	222.0	MI-LE-067.0000	4" to 8" plastic	Drain tiles
	Lenawee	222.1	222.2	MI-LE-069.0000	4" to 6" drain tile clay	Drain tiles
	Lenawee	222.2	222.7	MI-LE-070.0000	6" plastic, metal 4"	Drain tiles
	Lenawee	222.7	222.8	MI-LE-072.0000	Size and type unknown	Drain tiles
	Lenawee	222.8	223.1	MI-LE-073.0000	4" drain tiles clay and plastic	Drain tiles
	Lenawee	223.1	223.2	MI-LE-074.0000	Unknown size, plastic	Drain tiles
	Lenawee	223.3	223.5	MI-LE-076.0000	4" clay and plastic.	Drain tiles
	Lenawee	223.5	223.8	MI-LE-077.0000	Size unknown, plastic	Drain tiles
	Lenawee	223.8	224.1	MI-LE-078.0000	4" clay and plastic.	Drain tiles
	Lenawee	224.1	224.1	MI-LE-079.0000	4" clay and plastic.	Drain tiles
	Lenawee	224.1	224.4	MI-LE-080.0000	4" clay and plastic.	Drain tiles
	Lenawee	224.4	224.6	MI-LE-082.0000	Size and type unknown	Drain tiles
	Lenawee	224.6	224.9	MI-LE-083.0000	Size unknown plastic	Drain tiles
	Lenawee	224.9	225.0	MI-LE-084.0000	8" and 4" plastic	Drain tiles
	Lenawee	225.0	225.1	MI-LE-086.0000	8" and 4" plastic	Drain tiles
	Lenawee	225.1	225.5	MI-LE-087.0000	3" to 12" plastic	Drain tiles
	Lenawee	225.5	225.6	MI-LE-088.0000	Size and type unknown	Drain tiles
	Lenawee	225.7	226.1	MI-LE-091.0000	6" clay	Drain tiles
	Lenawee	226.1	226.3	MI-LE-092.0000/MI-LE-092.0000-TAR-3	4" clay	Drain tiles
	Lenawee	226.3	226.6	MI-LE-093.0000/MI-LE-093.0000-TAR-3	10" plastic	Drain tiles
	Lenawee	226.7	227.0	MI-LE-095.0000	10" plastic	Drain tiles
	Lenawee	227.0	227.2	MI-LE-097.0000	Size and type unknown	Drain tiles
	Lenawee	227.2	227.5	MI-LE-098.0000	10" plastic	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Lenawee	227.6	227.6	MI-LE-100.0000	4" clay and plastic	Drain tiles
	Lenawee	227.6	227.9	MI-LE-101.0000	4" clay and plastic	Drain tiles
	Lenawee	227.9	228.1	MI-LE-000.0010-CERT-Y-1-SPRD-4	6" clay	Drain tiles
	Lenawee	227.9	228.0	MI-LE-102.0000	8" clay and plastic	Drain tiles
	Lenawee	228.0	228.2	MI-LE-103.0000	3" to 4" clay and plastic	Drain tiles
	Lenawee	228.2	228.5	MI-LE-105.0000	Size and type unknown	Drain tiles
	Lenawee	228.5	228.5	MI-LE-106.0000	Size and type unknown	Drain tiles
	Lenawee	228.5	228.5	MI-LE-106.0010	Size and type unknown	Drain tiles
	Lenawee	228.5	228.8	MI-LE-107.0000	4" clay and plastic	Drain tiles
	Lenawee	228.8	229.4	MI-LE-108.0000	4" to 12" plastic	Drain tiles
	Lenawee	229.4	229.5	MI-LE-110.0000	Size unknown clay and plastic	Drain tiles
	Lenawee	229.5	229.8	MI-LE-111.0000/MI-LE-111.0000-TAR-4	4", 5", 6", 8" clay and plastic	Drain tiles
	Lenawee	229.8	229.9	MI-LE-112.0000	Multiple sizes clay and plastic	Drain tiles
	Lenawee	229.9	230.1	MI-LE-113.0000	Multiple sizes clay and plastic	Drain tiles
	Lenawee	230.1	230.3	MI-LE-115.0000	Multiple sizes clay and plastic	Drain tiles
	Lenawee	230.3	230.4	MI-LE-116.0000	4" clay	Drain tiles
	Monroe	230.4	230.5	MI-MR-002.0000	4" to 6" clay and plastic	Drain tiles
	Monroe	230.5	230.7	MI-MR-003.0000	Multiple sizes clay and plastic	Drain tiles
	Monroe	230.7	230.8	MI-MR-006.0000/MI-MR-006.0000-TAR-1	Unknown size, plastic	Drain tiles
	Monroe	230.8	231.1	MI-MR-007.0000	Multiple sizes clay and plastic	Drain tiles
	Monroe	231.1	231.2	MI-MR-008.0000	Size and type unknown	Drain tiles
	Monroe	231.3	231.3	MI-MR-010.0000	Multiple sizes clay and plastic	Drain tiles
	Monroe	231.3	231.8	MI-MR-012.0000	Size and type unknown	Drain tiles
	Monroe	231.8	231.9	MI-MR-013.0000	Size unknown, clay	Drain tiles
	Monroe	231.9	232.2	MI-MR-015.0000	Size unknown, clay	Drain tiles
	Monroe	232.2	232.2	MI-MR-016.0000	4" plastic	Drain tiles
	Monroe	232.2	232.3	MI-MR-018.0000	4" to 8" plastic	Drain tiles
	Monroe	232.3	232.5	MI-MR-019.0000	4" to 6" plastic	Drain tiles
	Monroe	232.5	232.7	MI-MR-021.0000	Multiple sizes clay and plastic	Drain tiles
	Monroe	232.7	232.8	MI-MR-022.0000	Multiple sizes clay and plastic	Drain tiles
	Monroe	232.8	233.0	MI-MR-023.0000	4" clay	Drain tiles
	Monroe	233.1	233.1	MI-MR-025.0000	4" to 8" plastic	Drain tiles
	Monroe	233.2	233.3	MI-MR-027.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Monroe	233.3	233.4	MI-MR-028.0000	Size unknown, clay	Drain tiles
	Monroe	233.4	233.7	MI-MR-029.0000	Size and type unknown	Drain tiles
	Monroe	233.7	233.8	MI-MR-030.0000	Size and type unknown	Drain tiles
	Monroe	233.8	234.0	MI-MR-031.0000	Size and type unknown	Drain tiles
	Monroe	234.0	234.0	MI-MR-032.0000	6" plastic	Drain tiles
	Monroe	234.0	234.2	MI-MR-033.0000	6" plastic	Drain tiles
	Monroe	234.3	234.4	MI-MR-035.0000	Size unknown, clay	Drain tiles
	Monroe	234.4	234.6	MI-MR-037.0000	Size unknown, clay	Drain tiles
	Monroe	234.7	235.0	MI-MR-039.0000	Size and type unknown	Drain tiles
	Monroe	235.0	235.2	MI-MR-040.0000	Size and type unknown	Drain tiles
	Monroe	235.2	235.3	MI-MR-041.0000	Multiple sizes plastic	Drain tiles
	Monroe	235.3	235.6	MI-MR-042.0000	Size and type unknown	Drain tiles
	Monroe	235.6	235.7	MI-MR-043.0000	Size and type unknown	Drain tiles
	Monroe	235.7	235.9	MI-MR-044.0000	Size and type unknown	Drain tiles
	Monroe	235.9	236.2	MI-MR-045.0000/MI-MR-045.0000-AB-2	Size and type unknown	Drain tiles
	Monroe	236.3	236.6	MI-MR-048.0000	Size and type unknown	Drain tiles
	Monroe	236.6	236.8	MI-MR-049.0000	Multiple sizes clay and plastic	Drain tiles
	Washtenaw	236.9	237.3	MI-WA-001.0000/MI-WA-001.0000-TAR-1	8" and 4" clay and plastic	Drain tiles
	Washtenaw	236.8	237.3	MI-WA-001.0010-TAR-1	8" and 4" clay and plastic	Drain tiles
	Washtenaw	237.3	237.5	MI-WA-002.0000	8" and 4" clay and plastic	Drain tiles
	Washtenaw	237.6	237.9	MI-WA-003.0000	8" and 4" clay and plastic	Drain tiles
	Washtenaw	237.9	238.0	MI-WA-005.0000	Size and type unknown	Drain tiles
	Washtenaw	238.0	238.2	MI-WA-006.0000	8" and 4" clay and plastic	Drain tiles
	Washtenaw	238.2	238.5	MI-WA-008.0000	8" mains and 4" runs, clay and plastic	Drain tiles
	Washtenaw	238.5	238.7	MI-WA-009.0010	Size and type unknown	Drain tiles
	Washtenaw	238.5	238.5	MI-WA-010.0000	8" and 4" clay and plastic	Drain tiles
	Washtenaw	238.7	238.9	MI-WA-011.0000	4" plastic	Drain tiles
	Washtenaw	238.9	239.2	MI-WA-012.0000	4" to 6" cement	Drain tiles
	Washtenaw	239.2	239.3	MI-WA-013.0000	Size and type unknown	Drain tiles
	Washtenaw	239.3	239.6	MI-WA-015.0000	4" to 6" clay	Drain tiles
	Washtenaw	239.6	239.6	MI-WA-016.0010-TAR-2	Size and type unknown	Drain tiles
	Washtenaw	239.7	240.0	MI-WA-018.0000	Size and type unknown	Drain tiles
	Washtenaw	239.9	239.9	MI-WA-018.0010	4" plastic	Drain tiles
	Washtenaw	240.0	240.1	MI-WA-020.0000	Size and type unknown	Drain tiles
	Washtenaw	240.1	240.1	MI-WA-021.0000	Size and type unknown	Drain tiles
	Washtenaw	240.1	240.5	MI-WA-022.0000	Size and type unknown	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Washtenaw	240.5	240.7	MI-WA-023.0000	4" to 6" plastic	Drain tiles
	Washtenaw	240.7	240.8	MI-WA-024.0000	Size and type unknown	Drain tiles
	Washtenaw	241.1	241.2	MI-WA-025.0000	4" and 6" plastic	Drain tiles
	Washtenaw	241.2	241.2	MI-WA-027.0000	4" and 6" plastic	Drain tiles
	Washtenaw	241.2	241.5	MI-WA-028.0000	4" and 6" clay and plastic	Drain tiles
	Washtenaw	241.5	241.6	MI-WA-029.0000	4" to 6" plastic and clay	Drain tiles
	Washtenaw	241.8	241.8	MI-WA-030.0000	4" to 6" plastic and clay	Drain tiles
	Washtenaw	241.8	242.1	MI-WA-032.0000	4" to 6" plastic	Drain tiles
	Washtenaw	242.1	242.3	MI-WA-033.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	242.3	242.5	MI-WA-035.0000/MI-WA-035.0000-TAR-3	4" to 6" clay and plastic	Drain tiles
	Washtenaw	242.5	242.8	MI-WA-036.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	242.8	242.9	MI-WA-037.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	242.9	243.0	MI-WA-038.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	243.0	243.0	MI-WA-039.0000	Size and type unknown	Drain tiles
	Washtenaw	243.0	243.1	MI-WA-040.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	243.1	243.3	MI-WA-041.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	243.3	243.8	MI-WA-043.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	243.8	243.9	MI-WA-045.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	243.9	244.3	MI-WA-046.0000	Size and type unknown	Drain tiles
	Washtenaw	244.3	244.4	MI-WA-047.0000	4" to 6" clay and plastic	Drain tiles
	Washtenaw	244.4	244.7	MI-WA-048.0000	4" to 6" clay	Drain tiles
	Washtenaw	244.7	244.9	MI-WA-049.0000	Size and type unknown	Drain tiles
	Washtenaw	245.0	245.2	MI-WA-051.0000	Size and type unknown	Drain tiles
	Washtenaw	245.3	245.3	MI-WA-055.0000	Size and type unknown	Drain tiles
	Washtenaw	245.3	245.4	MI-WA-056.0000	Size and type unknown	Drain tiles
	Washtenaw	245.4	245.5	MI-WA-057.0000	Size and type unknown	Drain tiles
	Washtenaw	245.5	245.6	MI-WA-058.0000	Size and type unknown	Drain tiles
	Washtenaw	245.6	245.6	MI-WA-059.0000	Size and type unknown	Drain tiles
	Washtenaw	245.6	245.7	MI-WA-060.0000	Size and type unknown	Drain tiles
	Washtenaw	245.8	246.3	MI-WA-063.0000/MI-WA-063.0000-TAR-4	8" and 4" clay	Drain tiles
	Washtenaw	246.3	246.6	MI-WA-064.0000	4" clay	Drain tiles
	Washtenaw	246.3	246.6	MI-WA-064.0010	Size and type unknown	Drain tiles
	Washtenaw	246.6	247.1	MI-WA-066.0000	4" clay	Drain tiles
	Washtenaw	247.1	247.4	MI-WA-067.0000/MI-WA-067.0000-PAR-5	4" clay	Drain tiles
	Washtenaw	247.4	247.4	MI-WA-068.0010	4" corrugated	Drain tiles
	Washtenaw	247.9	248.0	MI-WA-074.0010	Size unknown clay and corrugated	Drain tiles
	Washtenaw	247.9	248.0	MI-WA-076.0000	Size unknown clay and corrugated	Drain tiles

TABLE 8.2-8

Agricultural Drain Tiles or Irrigation Systems along the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Drain or Irrigation Description	Drain or Irrigation Type
	Washtenaw	248.0	248.0	MI-WA-077.0000/MI-WA-077.0000-AB-3	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.0	248.0	MI-WA-078.0000	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.1	248.1	MI-WA-079.0000	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.1	248.1	MI-WA-080.0000	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.1	248.1	MI-WA-081.0000	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.1	248.1	MI-WA-081.0010	Size unknown clay and corrugated	Drain tiles
	Washtenaw	248.4	248.4	MI-WA-087.0000	Size unknown, clay	Drain tiles
	Washtenaw	248.5	248.5	MI-WA-089.0000	Size and type unknown	Drain tiles
	Washtenaw	248.5	248.6	MI-WA-091.0000	Size and type unknown	Drain tiles
	Washtenaw	248.5	248.6	MI-WA-091.0010	Size and type unknown	Drain tiles
	Washtenaw	248.6	248.7	MI-WA-092.0000	8" clay	Drain tiles
	Washtenaw	248.7	248.9	MI-WA-094.0000	8" clay	Drain tiles
	Wayne	254.8	254.9	MI-WY-006.0000	4" to 8" clay	Drain tiles

a/ Approximate milepost along the pipeline rounded to the nearest tenth.

TABLE 8.2-9

Specialty Crop Lands Crossed by the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Crop Type	Approx. Acreage Impacted	
						Construction b/	Operation c/
Ohio							
TGP Interconnecting Pipeline							
	Columbiana	0.3	0.3	OH-COL-005.0000	Alfalfa	5.6	1.1
Mainline							
	Columbiana	0.1	0.3	OH-CO-002.0000	Alfalfa	4.3	1.8
	Columbiana	1.3	1.5	OH-CO-010.0000/OH-CO-010.0000-CS/OH-CO-010.0000-PAR-2	Alfalfa	98.4	24.9
	Columbiana	2.0	2.1	OH-CO-016.0010	Alfalfa/Elderberry	0.1	0.0
	Columbiana	2.5	2.8	OH-CO-020.0000/OH-CO-020.0000-TAR-2	Alfalfa	5.1	1.9
	Columbiana	2.8	2.9	OH-CO-021.0000	Alfalfa	1.3	0.5
	Columbiana	2.9	3.1	OH-CO-022.0000	Alfalfa	3.5	1.4
	Columbiana	4.3	4.7	OH-CO-035.0000/OH-CO-035.0000-TAR-4	Peach Trees	5.4	2.0
	Columbiana	4.3	4.7	OH-CO-035.0010-TAR-4	Peach Trees	1.7	0.0
	Columbiana	4.7	4.8	OH-CO-036.0000	Peach Trees	1.5	0.7
	Columbiana	4.9	5.0	OH-CO-039.0000	Alfalfa	1.5	0.5
	Columbiana	5.0	5.0	OH-CO-041.0000	Alfalfa	0.7	0.1
	Columbiana	5.0	5.1	OH-CO-042.0000	Alfalfa	1.1	0.4
	Columbiana	5.1	5.3	OH-CO-043.0000	Alfalfa	3.0	1.0
	Columbiana	5.9	6.0	OH-CO-052.0000	Alfalfa	2.2	0.8
	Columbiana	7.6	7.7	OH-CO-065.0000	Strawberries	1.4	0.4
	Columbiana	7.7	7.9	OH-CO-068.0000	Honey	2.6	0.9
	Stark	23.7	24.2	OH-ST-082.0000	Asparagus, Peppers, Zucchini, Beets, several types of Beans and Peas, Cabbage	8.4	3.1
	Summit	41.5	41.5	OH-SU-091.0000	Honey	0.6	0.3
	Wayne	54.3	54.3	OH-WA-030.0300	Alfalfa	2.4	0.6
	Wayne	54.6	54.8	OH-WA-039.0000	Peaches, Plum, Apple Trees	2.0	0.7
	Wayne	55.1	55.6	OH-WA-041.0000	Spelts- Organic Farm	7.3	2.7
	Medina	59.3	59.4	OH-ME-018.0000	Alfalfa	2.5	0.8
	Medina	59.5	59.7	OH-ME-021.0000	Apple and Peach Trees	2.5	0.9
	Medina	72.8	72.9	OH-ME-156.0000/OH-ME-156.0000-TAR-14-	Christmas Trees	2.2	0.6

TABLE 8.2-9

Specialty Crop Lands Crossed by the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Crop Type	Approx. Acreage Impacted	
						Construction b/	Operation c/
				72.8			
	Medina	72.9	72.9	OH-ME-157.0000	Christmas Trees	0.1	0.0
	Erie	108.0	108.0	OH-ER-021.0000	Apple Trees	0.1	0.0
	Erie	108.0	108.4	OH-ER-022.0000	Apple Trees	6.4	2.4
	Erie	110.3	110.3	OH-ER-037.0000/OH-ER-037.0000-TAR-1-110.2	Honey - 3-4 hives located in SW part of property	0.1	0.0
	Erie	110.3	110.6	OH-ER-039.0000/OH-ER-039.0000-TAR-1-110.2	Honey - 3-4 hives located in SW part of property	7.0	1.7
	Erie	110.8	110.9	OH-ER-042.0000	Apple and Peach Trees	4.0	1.3
	Erie	111.1	111.4	OH-ER-044.0000	Fruit Trees	4.6	1.5
	Erie	111.7	111.8	OH-ER-048.0000	Honey	1.5	0.7
	Erie	111.9	111.9	OH-ER-054.0000	Honey	0.3	0.1
	Erie	117.2	117.7	OH-ER-091.0000/OH-ER-091.0000-TAR-7-117.6	Rye	10.9	2.7
	Erie	117.7	118.1	OH-ER-092.0000	Rye	9.9	2.7
	Erie	118.3	118.4	OH-ER-096.0000	Popcorn	2.4	0.6
	Erie	118.8	119.2	OH-ER-099.0000	Popcorn	6.3	2.4
	Erie	122.0	122.0	OH-ER-116.0000	Popcorn	0.5	0.0
	Erie	122.3	122.5	OH-ER-120.0000	Clover	3.0	1.2
	Erie	124.9	125.4	OH-ER-133.0000	Seed Corn	6.6	2.6
	Erie	129.7	130.0	OH-ER-163.0000	Bell Peppers, Tomatoes, Pumpkins	5.9	2.2
	Erie	130.1	130.2	OH-ER-165.0000	Squash, Cucumbers, Cabbage	2.1	0.8
	Sandusky	132.5	132.7	OH-SA-008.0000/OH-SA-008.0000-TAR-1	Alfalfa	6.2	1.2
	Sandusky	136.9	137.4	OH-SA-028.0000	Cabbage, Pumpkins, Squash, Cucumbers, Peppers (Jalapenos, Bell, and Banana)	7.9	3.0
	Sandusky	142.2	142.5	OH-SA-062.0000	Strawberries	4.0	1.5
	Sandusky	142.5	142.6	OH-SA-063.0000	Strawberries	1.5	0.7
	Sandusky	142.6	142.7	OH-SA-064.0000	Strawberries	1.7	0.5
	Sandusky	160.3	160.4	OH-SA-189.0000/OH-SA-	Peppers, Pickles	3.2	1.1

TABLE 8.2-9

Specialty Crop Lands Crossed by the NEXUS Project

State, Facility	County	Milepost Begin a/	Milepost End a/	Tract Number	Crop Type	Approx. Acreage Impacted	
						Construction b/	Operation c/
				189.0000-TAR-10-160.2			
	Sandusky	160.4	160.8	OH-SA-190.0000	Peppers, Pickles	5.8	2.3
	Sandusky	160.8	160.8	OH-SA-191.0000	Peppers, Pickles	0.9	0.4
	Wood	164.7	164.9	OH-WO-009.0000	Organic grains and produce	4.1	1.6
	Wood	177.8	178.1	OH-WO-115.0000	Oats/Alfalfa	4.0	1.5
	Wood	178.1	178.3	OH-WO-117.0000	Oats/Alfalfa	3.9	1.5
	Wood	178.3	178.4	OH-WO-118.0000	Oats/Alfalfa	1.0	0.4
	Fulton	202.8	203.0	OH-FU-066.0000	Alfalfa	2.0	0.8
Michigan							
Mainline							
	Lenawee	219.5	219.6	MI-LE-047.0000	Cauliflower	2.4	0.8
	Monroe	233.2	233.3	MI-MR-028.0000	Alfalfa	1.4	0.4
	Washtenaw	245.8	246.3	MI-WA-063.0000/MI-WA-063.0000-TAR-4	Soybean (for oil)	9.6	3.2
	Washtenaw	247.4	247.4	MI-WA-068.0010	Sunflowers	0.1	0.0

Source: Landowner consultation.

a/ Approximate milepost along the pipeline rounded to the nearest tenth.
b/ Land affected during construction for pipeline facilities is comprised of the permanent ROW, TWS, and ATWS where applicable.
c/ Land affected during operation of the pipeline includes only the permanent ROW.

TABLE 8.2-10

Summary of Public Roadways Crossed by the NEXUS Project

State	County	Number of Public Roadways Crossed
Ohio		
	Columbiana	19
	Stark	33
	Summit	25
	Wayne	14
	Medina	30
	Lorain	21
	Huron	4
	Erie	30
	Sandusky	49
	Wood	21
	Lucas	12
	Henry	1
	Fulton	22
	Ohio Subtotal:	***281***
Michigan		
	Lenawee	27
	Monroe	12
	Washtenaw	41
	Wayne	4
	Michigan Subtotal:	***84***
	PROJECT TOTAL:	**365**

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
Ohio										
TGP Interconnecting Pipeline										
	Columbiana	0.1	CR 842	Gravel	Public	Open Cut	2	35	Franklin Township Board of Trustees	Township Road
	Columbiana	0.6	Hagan Rd	Gravel	Public	Open Cut	2	15	Hanover Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	0.6	Tunnel Hill Rd	Paved	Public	Open Cut	2	30	Hanover Township, Columbiana Co. Board of Trustees	Township Road
Mainline										
	Columbiana	1.1	Mechanicstown Rd	Paved	Public	Bore	2	30	Columbiana County Engineers	County Road
	Columbiana	1.7	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Columbiana	1.8	Unnamed	Gravel	Private	Open Cut	1	10	N/A	N/A
	Columbiana	2.0	US 30	Paved	Public	Bore	2	25	Ohio Department of Transportation, District #11	State Road
	Columbiana	2.2	Campbell Rd	Gravel	Public	Open Cut	2	18	Hanover Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	2.3	Driveway	Paved	Private	Open Cut	1	12	N/A	N/A
	Columbiana	2.7	Unnamed	Dirt	Private	Open Cut	1	15	N/A	N/A
	Columbiana	2.8	Unnamed	Dirt	Private	Open Cut	1	15	N/A	N/A
	Columbiana	2.9	Unnamed	Dirt	Private	Open Cut	1	15	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Columbiana	3.3	Campbell Rd	Paved	Public	Bore	2	16	Hanover Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	3.5	Buffalo Rd	Paved	Public	Open Cut	2	20	Hanover Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	4.6	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Columbiana	4.6	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Columbiana	4.9	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Columbiana	4.9	CR 813/Kettering Rd	Paved	Public	Bore	2	16	West Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	5.0	CR 812/Weaver Rd	Paved	Public	Open Cut	2	16	West Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	5.6	CR 402	Paved	Public	Open Cut	2	35	Columbiana County Engineer	County Road
	Columbiana	5.6	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Columbiana	6.2	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Columbiana	6.3	Lorey Rd	Paved	Public	Open Cut	2	30	West Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	6.4	Field Road	Grass	Private	Open Cut	1	10	N/A	N/A
	Columbiana	7.3	Driveway	Gravel	Private	Open Cut	1	15	N/A	N/A
	Columbiana	7.6	Field Road	Dirt	Private	Open Cut	1	15	N/A	N/A
	Columbiana	7.6	Field Road	Gravel	Private	Open Cut	1	15	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Columbiana	7.7	SH 172	Paved	Public	Bore	2	21	Ohio Department of Transportation, District #11	State Road
	Columbiana	8.0	Driveway	Paved	Private	HDD	1	12	N/A	N/A
	Columbiana	8.0	Knox School Road	Paved	Public	HDD	2	35	Columbiana County Engineer	County Road
	Columbiana	8.2	Unnamed	Dirt	Private	HDD	1	8	N/A	N/A
	Columbiana	9.8	Field Road	Dirt	Private	Open Cut	1	12	N/A	N/A
	Columbiana	9.9	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Columbiana	10.0	Mountz Rd	Paved	Public	Bore	2	20	Knox Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	10.1	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Columbiana	10.5	CR 703	Paved	Public	Open Cut	2	17	Knox Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	10.7	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Columbiana	11.3	CR 701	Paved	Public	Bore	2	18	Knox Township, Columbiana Co. Board of Trustees	Township Road
	Columbiana	12.4	Georgetown Rd	Paved	Public	Bore	2	24	Columbiana County Engineer	County Road
	Columbiana	12.5	Mahoning Ave	Paved	Public	Bore	2	16	Knox Township, Columbiana Co. Board of Trustees	Township Road
	Stark	13.2	Bowman St NE	Paved	Public	Bore	2	20	Washington Township, Stark Co. Board of Trustees	Township Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Stark	13.3	Field Road	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	13.3	Field Road	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	14.0	Salem Church St NE	Paved	Public	Open Cut	1	20	Washington Township, Stark Co. Board of Trustees	Township Road
	Stark	14.1	SH 183/Union Ave NE	Paved	Public	Bore	2	26	Ohio Department of Transportation District #4	State Road
	Stark	14.8	Cenfield St NE	Paved	Public	Bore	2	18	Washington Township, Stark Co. Board of Trustees	Township Road
	Stark	15.8	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	16.3	Beechwood Ave	Paved	Public	Bore	2	22	Stark County Engineer	County Road
	Stark	16.8	Fredrick Ave NE	Paved	Public	Bore	2	22	Washington Township, Stark Co. Board of Trustees	Township Road
	Stark	17.8	Cartway St NE	Dirt	Private	Bore	1	14	N/A	N/A
	Stark	18.3	Easton St NE	Paved	Public	Bore	2	22	Stark County Engineer	County Road
	Stark	18.6	Oakhill Ave NE	Paved	Public	Bore	2	21	Stark County Engineer	County Road
	Stark	19.2	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Stark	19.6	Parks Ave	Paved	Public	Bore	2	18	Washington Township, Stark Co. Board of Trustees	Township Road
	Stark	20.4	US 62	Paved	Public	Bore	4	36	Ohio Department of Transportation District #4	State Road
	Stark	20.8	Schmucker Ave NE	Paved	Public	Open Cut	2	17	Nimishillen Township, Stark Co. Board of Trustees	Township Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Stark	21.2	Beech St NE	Paved	Public	Bore	2	20	Nimishillen Township, Stark Co. Board of Trustees	Township Road
	Stark	21.7	SH 173	Paved	Public	Bore	2	30	Ohio Department of Transportation District #4	State Road
	Stark	22.0	Columbus Rd	Paved	Public	Bore	2	26	Stark County Engineer	County Road
	Stark	22.2	Marlboro Ave	Paved	Public	Bore	2	21	Stark County Engineer	County Road
	Stark	23.1	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	23.2	French Ave	Paved	Public	Bore	2	16	Marlboro Township, Stark Co. Board of Trustees	Township Road
	Stark	23.5	Paris Ave	Paved	Public	Bore	2	18	Stark County Engineer	County Road
	Stark	24.2	Ravenna Ave	Paved	Public	Bore	2	28	Ohio Department of Transportation District #4	State Road
	Stark	24.9	Unnamed	Dirt	Private	Open Cut	1	15	N/A	N/A
	Stark	25.0	Preston Ave	Gravel	Public	Bore	2	15	Marlboro Township, Stark Co. Board of Trustees	Township Road
	Stark	25.5	St. Peters Church Rd	Paved	Public	Bore	2	20	Stark County Engineer	
	Stark	26.0	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	26.4	Immel Ave	Paved	Public	Open Cut	2	28	Marlboro Township, Stark Co. Board of Trustees	Township Road
	Stark	26.8	Field Road	Grass	Private	Open Cut	1	12	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Stark	26.9	Field Road	Grass	Private	Open Cut	1	8	N/A	N/A
	Stark	27.2	Gans Ave NE	Paved	Public	Bore	2	18	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	28.2	Middlebranch Ave NE	Paved	Public	Bore	2	35	Stark County Engineer	County Road
	Stark	29.3	Kent Ave NE	Paved	Public	Open Cut	2	26	Ohio Department of Transportation District #4	State Road
	Stark	29.9	Field Road	Grass	Private	Open Cut	1	9	N/A	N/A
	Stark	30.0	Field Road	Grass	Private	Open Cut	1	9	N/A	N/A
	Stark	30.3	Market Ave N	Paved	Public	Bore	2	26	Stark County Engineer	County Road
	Stark	30.7	Field Road	Dirt	Private	Open Cut	1	8	N/A	N/A
	Stark	30.8	Coblentz Ave NW	Paved	Public	Bore	2	30	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	31.6	Field Road	Gravel	Private	Open Cut	1	10	N/A	N/A
	Stark	31.7	Field Road	Dirt	Private	Open Cut	1	10	N/A	N/A
	Stark	31.9	Midway St NW	Paved	Public	Bore	2	23	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	32.1	CR U/Wagner Ave NW	Paved	Public	Bore	2	22	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	32.8	Dotwood St Nw	Paved	Public	Bore	2	32	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	33.0	Wright Rd NW	Paved	Public	Open Cut	2	35	Lake Township, Stark Co. Board of Trustees	Township Road
	Stark	33.1	Cleveland Ave NW	Paved	Public	Bore	4	50	Stark County Engineer	County Road
	Stark	33.2	Driveway	Paved	Private	Open Cut	1	8	N/A	N/A
	Stark	33.2	Crosby St NW	Paved	Public	Bore	2	28	Lake Township, Stark Co. Board of Trustees	Township Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Stark	33.2	Driveway	Paved	Private	Open Cut	2	16	N/A	N/A
	Stark	34.0	Cain St NW	Paved	Public	Bore	2	21	Lake Township, Stark Co. Board of Trustees	Township Road
	Summit	34.4	Field Road	Dirt	Private	Open Cut	1	15	N/A	N/A
	Summit	34.6	Driveway	Paved	Private	Open Cut	1	10	N/A	N/A
	Summit	35.0	Mayfair Rd	Paved	Public	Bore	2	20	City of Green	Township Road
	Summit	35.3	Unnamed	Gravel	Private	Open Cut	1	8	N/A	N/A
	Summit	35.5	I 77	Paved	Public	Bore	6	300	Ohio Department of Transportation District #4	State Road
	Summit	36.1	Joan Dr	Paved	Public	Open Cut	1	10	City of Green	Township Road
	Summit	36.7	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Summit	36.8	Greensburg Rd	Paved	Public	Bore	2	30	City of Green	Township Road
	Summit	37.4	Massillon Rd	Paved	Public	Bore	2	40	City of Green	Township Road
	Summit	37.8	Koons Rd	Paved	Public	Open Cut	2	21	City of Green	Township Road
	Summit	38.3	Thursby Rd	Paved	Public	Open Cut	2	25	City of Green	Township Road
	Summit	38.6	Driveway	Paved	Private	Open Cut	1	12	N/A	N/A
	Summit	38.6	Driveway	Paved	Private	Open Cut	1	10	N/A	N/A
	Summit	39.0	Koons Rd	Paved	Public	Open Cut	2	21	City of Green	Township Road
	Summit	39.8	Arlington Rd	Paved	Public	Open Cut	2	25	City of Green	Township Road
	Summit	40.3	Killinger Rd	Paved	Public	Open Cut	2	25	City of Green	Township Road
	Summit	40.6	Driveway	Dirt	Private	Open Cut	1	14	N/A	N/A
	Summit	41.0	Christman Rd	Paved	Public	HDD	2	24	City of Green	Township Road
	Summit	41.3	Unnamed	Gravel	Private	Open Cut	1	8	N/A	N/A
	Summit	41.5	Driveway	Paved	Private	Open Cut	1	10	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Summit	41.5	E Comet Rd & Noreast Dr	Paved	Public	Open Cut	2	25	City of Green	Township Road
	Summit	42.1	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Summit	42.1	S Main St	Paved	Public	Bore	2	25	City of Green/City of New Franklin	Township Road
	Summit	42.2	Driveway	Paved	Private	Open Cut	1	12	N/A	N/A
	Summit	42.5	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Summit	42.7	S Myers Rd	Paved	Public	Bore	2	16	City of New Franklin	Township Road
	Summit	43.6	Manchester Rd	Paved	Public	Bore	2	26	City of New Franklin	Township Road
	Summit	44.3	Hampsher Rd	Paved	Public	Bore	2	20	City of New Franklin	Township Road
	Summit	44.9	Grove Rd	Paved	Public	Bore	2	21	City of New Franklin	Township Road
	Summit	45.5	W Nimisila Rd	Paved	Public	Bore	2	30	City of New Franklin	Township Road
	Summit	46.2	Rheam Rd	Paved	Public	Open Cut	2	28	City of New Franklin	Township Road
	Summit	46.3	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Summit	46.8	Unnamed	Paved	Private	Open Cut	1	20	N/A	N/A
	Summit	46.8	Center Rd	Paved	Public	Open Cut	2	28	City of New Franklin	Township Road
	Summit	46.9	Driveway	Dirt	Private	Open Cut	1	10	N/A	N/A
	Summit	46.9	Driveway	Dirt	Private	Open Cut	1	10	N/A	N/A
	Summit	47.8	Unnamed	Dirt	Private	HDD	1	12	N/A	N/A
	Summit	47.9	Van Buren Rd	Paved	Public	HDD	2	28	City of New Franklin	Township Road
	Summit	48.5	Driveway	Paved	Private	Open Cut	1	10	N/A	N/A
	Summit	48.5	Driveway	Paved	Private	Open Cut	1	16	N/A	N/A
	Summit	48.8	Fairland Rd	Paved	Public	Open Cut	2	22	City of New Franklin	Township Road
	Summit	49.4	Cleveland Massillon Rd	Paved	Public	Bore	2	35	City of New Franklin	Township Road
	Summit	49.9	Kungle Rd	Paved	Public	Open Cut	2	25	City of New Franklin	Township Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Summit	50.4	Taylor Rd	Paved	Public	Bore	2	21	Chippewa Township, Wayne Co. Board of Trustees	Township Road
	Wayne	50.6	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Wayne	50.9	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Wayne	50.9	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Wayne	51.1	Sh 21	Paved	Public	Bore	4	35	Ohio Department of Transportation District #3	State Road
	Wayne	51.4	Hametown Rd	Paved	Public	Bore	2	18	Wayne County Engineer	County Road
	Wayne	52.0	Grill Rd	Paved	Public	Bore	2	21	Chippewa Township, Wayne Co. Board of Trustees	Township Road
	Wayne	52.4	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Wayne	52.9	Calaboone Rd	Paved	Public	Bore	2	18	Unknown	County Road
	Wayne	53.0	N Portage St	Paved	Public	Bore	2	18	Wayne County Engineer	County Road
	Wayne	53.2	Unnamed	Dirt	Private	Open Cut	1	21	N/A	N/A
	Wayne	53.5	Gates St	Paved	Public	Bore	2	26	Wayne County Engineer	County Road
	Wayne	53.6	State Hwy 585	Paved	Public	Bore	4	50	Unknown	State Road
	Wayne	54.1	Clinton Rd	Paved	Public	Bore	2	19	Chippewa Township, Wayne Co. Board of Trustees	Township Road
	Wayne	54.5	Driveway	Paved	Private	Open Cut	1	8	N/A	N/A
	Wayne	54.6	Serfass Rd	Paved	Public	Bore	2	30	Chippewa Township, Wayne Co. Board of Trustees	Township Road
	Wayne	55.0	Field Road	Dirt	Private	Open Cut	1	20	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Wayne	55.5	Field Road	Dirt	Private	Open Cut	1	16	N/A	N/A
	Wayne	55.7	SH 94	Paved	Public	Bore	2	24	Ohio Department of Transportation District #3	State Road
	Wayne	56.2	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Wayne	56.6	Hatfield Rd	Paved	Public	Open Cut	2	30	Chippewa Township, Wayne Co. Board of Trustees	Township Road
	Wayne	56.6	Eastern Rd	Paved	Public	Open Cut	2	17	Wayne County Engineer	County Road
	Medina	56.8	Rittman Rd	Paved	Public	Bore	2	30	Medina County Engineer Department	County Road
	Medina	57.2	State Highway 57	Paved	Public	Bore	2	27	Ohio Department of Transportation District #3	State Road
	Wayne	57.3	Eastern Rd / CR 150	Paved	Public	Bore	2	17	Medina County Engineer Department	County Road
	Wayne	57.7	CR 150	Paved	Public	Bore	2	17	Medina County Engineer Department	County Road
	Medina	58.0	CR 18	Paved	Public	Bore	2	35	Wadsworth Township	Township Road
	Medina	58.3	CR 145	Paved	Public	Open Cut	2	35	Wadsworth Township	Township Road
	Medina	58.7	Field Road	Dirt	Private	Open Cut	1	10	N/A	N/A
	Medina	59.3	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Medina	59.4	Mennonite Rd	Paved	Public	Bore	2	32	Medina County Engineer Department	County Road
	Medina	60.3	Acme Rd	Paved	Public	Bore	2	30	Medina County Engineer Department	County Road
	Medina	61.3	Rawiga Rd	Paved	Public	Bore	2	30	Medina County Engineer Department	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Medina	61.4	Seville Rd	Paved	Public	Bore	2	30	Medina County Engineer Department	County Road
	Medina	62.6	Greenwich Rd	Paved	Public	Bore	2	26	Medina County Engineer Department	County Road
	Medina	63.2	I 76	Paved	Public	Bore	4	40	Ohio Department of Transportation District #3	State Road
	Medina	63.6	Field Road	Dirt	Private	Open Cut	1	14	N/A	N/A
	Medina	63.8	Field Road	Dirt	Private	Open Cut	1	14	N/A	N/A
	Medina	64.2	Guilford Rd	Paved	Public	Bore	2	35	Medina County Engineer Department	County Road
	Medina	64.4	Blake Rd	Paved	Public	Bore	2	22	Medina County Engineer Department	County Road
	Medina	65.8	Hubbard Valley Rd	Paved	Public	Bore	2	35	Guilford Township Ohio	Township Road
	Medina	65.9	Good Rd	Paved	Public	Bore	2	35	Guilford Township Ohio	Township Road
	Medina	66.0	I 71	Paved	Public	Bore	6	300	Ohio Department of Transportation District #3	State Road
	Medina	66.7	Wooster Pike Rd	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Medina	67.1	Summer Ridge Dr	Paved	Private	Open Cut	2	22	N/A	N/A
	Medina	67.2	Driveway	Gravel	Private	Open Cut	1	14	N/A	N/A
	Medina	68.0	Unnamed	Dirt	Private	Open Cut	1	18	N/A	N/A
	Medina	68.3	Ryan Rd	Paved	Public	Bore	2	35	Lafayette Township, Board of Trustees	Township Road
	Medina	68.3	Chippewa Rd	Paved	Public	Bore	2	35	Medina County Engineer Department	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Medina	68.8	Field Road	Paved	Private	Open Cut	1	16	N/A	N/A
	Medina	69.0	Lake Rd	Paved	Public	Bore	2	28	Medina County Engineer Department	County Road
	Medina	70.1	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Medina	70.8	Unnamed	Dirt	Private	Open Cut	1	18	N/A	N/A
	Medina	70.8	Driveway	Gravel	Private	Open Cut	1	8	N/A	N/A
	Medina	70.9	Wedgewood Rd	Paved	Public	Bore	2	25	Ohio Department of Transportation District #3	State Road
	Medina	71.2	Driveway	Dirt	Private	HDD	1	8	N/A	N/A
	Medina	71.4	Unnamed	Dirt	Private	HDD	1	8	N/A	N/A
	Medina	71.8	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Medina	71.9	Lafayette Rd	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Medina	72.5	Carlton Rd	Paved	Public	Bore	2	28	Lafayette Township, Board of Trustees	Township Road
	Medina	73.2	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Medina	73.7	W. Smith Rd	Paved	Public	Bore	2	28	Medina County Engineer Department	County Road
	Medina	74.1	Branch Rd	Paved	Public	Bore	2	28	York Township, Board of Trustees	Township Road
	Medina	75.0	Stone Rd	Paved	Public	Bore	2	28	York Township, Board of Trustees	Township Road
	Medina	75.3	Driveway	Dirt	Private	Open Cut	1	12	N/A	N/A
	Medina	75.8	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Medina	76.1	Field Road	Gravel	Private	Open Cut	1	10	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Medina	76.3	Beck Rd	Paved	Public	Open Cut	2	20	Medina County Engineer Department	County Road
	Medina	76.8	Unnamed	Dirt	Private	Open Cut	1	15	N/A	N/A
	Medina	77.0	Norwalk Rd	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Medina	78.0	Spieth Rd	Paved	Public	Bore	2	20	York Township, Board of Trustees	Township Road
	Medina	79.1	Erhart Rd	Paved	Public	Bore	2	20	Medina County Engineer Department	County Road
	Medina	79.6	Kennedy Rd	Paved	Public	Bore	2	20	Litchfield Township	Township Road
	Medina	80.1	Unnamed	Paved	Private	Open Cut	1	14	N/A	N/A
	Medina	80.4	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Lorain	81.2	Neff Rd	Paved	Public	Bore	2	20	Grafton Township, Board of Trustees	Township Road
	Lorain	82.6	Avon Belden Rd	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Lorain	82.7	Law Rd	Paved	Public	Bore	2	20	Grafton Township, Board of Trustees	Township Road
	Lorain	83.9	Mennell Rd	Paved	Public	Bore	2	30	Unknown	County Road
	Lorain	84.7	SH 303	Paved	Public	Bore	2	25	Ohio Department of Transportation District #3	State Road
	Lorain	85.9	CR 49	Paved	Public	Bore	2	35	Lorain County Engineer	County Road
	Lorain	87.1	CR 26	Paved	Public	Bore	2	25	Lorain County Engineer	County Road
	Lorain	88.2	Wheeler Rd	Paved	Public	Bore	2	20	Lorain County Engineer	Township Road
	Lorain	89.2	SH 301	Paved	Public	Bore	2	25	Lorain County Engineer	State Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Lorain	90.2	Private Road	Dirt	Private	Open Cut	1	10	N/A	N/A
	Lorain	90.3	CR 48/Whitehead Rd	Paved	Public	Bore	2	20	Lorain County Engineer	County Road
	Lorain	91.2	Diagonal Rd	Paved	Public	Bore	2	35	Lorain County Engineer	County Road
	Lorain	91.3	Unnamed	Grass	Private	Open Cut	1	12	N/A	N/A
	Lorain	92.4	CR 38	Paved	Public	HDD	2	20	Lorain County Engineer	County Road
	Lorain	93.4	Hallauer Rd / CR 75	Paved	Public	Bore	2	25	Lorain County Engineer	County Road
	Lorain	93.4	US 20	Paved	Public	Bore	2	33	Ohio Department of Transportation District #3	State Road
	Lorain	94.6	SH 58	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Lorain	95.4	Unnamed	Gravel	Private	Open Cut	1	15	N/A	N/A
	Lorain	95.7	Driveway	Dirt	Private	Open Cut	1	12	N/A	N/A
	Lorain	96.8	Quarry Rd	Paved	Public	Bore	2	35	Lorain County Engineer	County Road
	Lorain	97.7	Baumhart Rd	Paved	Public	Bore	2	29	Lorain County Engineer	County Road
	Lorain	98.5	Gifford Rd	Paved	Public	Bore	2	20	Henrietta Township	Township Road
	Lorain	99.2	SH 511	Paved	Public	Bore	2	29	Ohio Department of Transportation District #3	State Road
	Lorain	100.0	Baird Rd	Paved	Public	Bore	2	20	Henrietta Township	Township Road
	Lorain	100.6	CR 34	Paved	Public	Bore	2	22	Lorain County Engineer	County Road
	Huron	101.3	County Line Rd	Paved	Public	Bore	2	30	Wakeman Township	Township Road
	Huron	102.4	CR 63	Paved	Public	Open Cut	2	22	Huron County Engineer's Office	County Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Huron	103.9	SH 60	Paved	Public	Bore	2	22	Ohio Department of Transportation District #3	State Road
	Huron	104.6	W River Rd	Paved	Public	HDD	2	16	Wakeman Township	Township Road
	Erie	105.9	Florence Wakeman Rd	Paved	Public	Open Cut	2	35	Ohio Department of Transportation District #3	State Road
	Erie	106.1	Burr Rd	Paved	Public	Bore	2	35	Florence Township, Board of Trustees	Township Road
	Erie	107.6	CR 59	Paved	Public	Bore	2	20	Berlin Township, Board of Trustees	Township Road
	Erie	108.6	SH 113	Paved	Public	Bore	2	25	Ohio Department of Transportation District #3	State Road
	Erie	110.2	Main Rd	Paved	Public	HDD	2	23	Erie County Engineer	County Road
	Erie	110.3	I 80	Paved	Public	HDD	6	235	Ohio Turnpike Commission, Spread 2	
	Erie	111.1	CR 134 /Humm Rd	Paved	Public	Bore	2	20	Berlin Township, Board of Trustees	Township Road
	Erie	112.0	CR 13	Paved	Public	Bore	2	22	Erie County Engineer	County Road
	Erie	112.1	Lake St	Paved	Public	Bore	2	25	Ohio Department of Transportation District #3	State Road
	Erie	113.0	Driveway	Paved	Private	Open Cut	1	8	N/A	N/A
	Erie	113.1	CR 132	Paved	Public	Bore	2	28	Erie County Engineer	County Road
	Erie	113.7	Unnamed	Gravel	Private	Open Cut	1	10	N/A	N/A
	Erie	113.8	CR 131	Paved	Public	Bore	2	22	Berlin Township, Board of Trustees	Township Road
	Erie	114.5	Field Road	Dirt	Private	Open Cut	1	10	N/A	N/A

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Erie	114.6	CR 128	Paved	Public	Bore	2	22	Erie County Engineer	County Road
	Erie	115.0	CR 127	Paved	Public	Bore	2	28	Milan Township, Board of Trustees	Township Road
	Erie	116.3	CR 126	Paved	Public	Bore	2	28	Erie County Engineer	County Road
	Erie	116.6	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Erie	117.2	SH 13	Paved	Public	HDD	2	28	Ohio Department of Transportation District #3	State Road
	Erie	118.1	Hoover Rd	Paved	Public	Bore	2	25	Erie County Engineer	County Road
	Erie	118.7	Driveway	Gravel	Private	Open Cut	1	16	N/A	N/A
	Erie	119.2	CR 123	Paved	Public	Bore	1	28	Erie County Engineer	County Road
	Erie	119.4	Driveway	Gravel	Private	Open Cut	1	8	N/A	N/A
	Erie	119.4	Driveway	Gravel	Private	Open Cut	1	8	N/A	N/A
	Erie	119.5	Driveway	Gravel	Private	Open Cut	1	20	N/A	N/A
	Erie	119.5	US Highway 250 N	Paved	Public	Bore	5	150	Ohio Department of Transportation District #3	State Road
	Erie	120.4	Patrol Rd	Paved	Private	Open Cut	2	20	N/A	N/A
	Erie	120.5	Patrol Rd	Paved	Private	Open Cut	1	8	N/A	N/A
	Erie	120.9	CR 13	Paved	Public	Bore	2	25	Erie County Engineer	County Road
	Erie	122.1	Thomas Rd	Paved	Public	Bore	2	25	Oxford Township, Board of Trustees	Township Road
	Erie	123.2	Ransom Rd/CR 44	Paved	Public	Bore	2	35	Oxford Township, Board of Trustees	Township Road
	Erie	124.0	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Erie	124.8	CR 43	Paved	Public	Bore	2	35	Erie County Engineer	County Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Erie	125.8	Harris Rd /CR 108	Paved	Public	Bore	2	20	Oxford Township, Board of Trustees	Township Road
	Erie	126.2	SH 99	Paved	Public	Bore	2	26	Ohio Department of Transportation District #3	State Road
	Erie	126.7	SH 4	Paved	Public	Bore	2	30	Ohio Department of Transportation District #3	State Road
	Erie	127.4	Driveway	Paved	Private	Open Cut	1	14	N/A	N/A
	Erie	127.7	Portland Rd	Paved	Public	Bore	2	21	Erie County Engineer	County Road
	Erie	128.4	Maple Ave	Paved	Public	Bore	2	35	Groton Township, Board of Trustees	Township Road
	Erie	128.8	Billings Rd	Paved	Public	Bore	2	30	Groton Township, Board of Trustees	Township Road
	Erie	130.1	Deyo Rd	Paved	Public	Bore	2	35	Groton Township, Board of Trustees	Township Road
	Erie	130.6	Driveway	Paved	Private	Open Cut	1	16	N/A	N/A
	Erie	130.8	State Hwy 269	Paved	Public	Bore	2	28	Ohio Department of Transportation District #3	State Road
	Sandusky	131.5	CR 1/ CR 312	Paved	Public	Bore	2	21.5	Sandusky County Engineer	County Road
	Sandusky	132.7	I 80	Paved	Public	Bore	6	250	Ohio Turnpike Commission, Spread 2	State Road
	Sandusky	133.3	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Sandusky	133.4	CR 302	Paved	Public	Open Cut	2	16	Unknown	County Road
	Sandusky	133.5	SH 101	Paved	Public	Bore	2	37	Ohio Department of Transportation	State Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Sandusky	134.1	CR 294	Paved	Public	Bore	2	20	Sandusky County Engineer	County Road
	Sandusky	135.4	CR 278	Paved	Public	Open Cut	2	15	Townsend Township	Township Road
	Sandusky	136.4	CR 268	Paved	Public	Bore	2	20	Sandusky County Engineer	County Road
	Sandusky	137.4	CR 260	Paved	Public	Bore	2	20	Sandusky County Engineer	County Road
	Sandusky	137.5	CR 233	Paved	Public	Bore	1	11	Unknown	County Road
	Sandusky	138.6	SH 510	Paved	Public	Bore	2	20	Ohio Department of Transportation	State Road
	Sandusky	139.3	SH 412	Paved	Public	Bore	2	23	Ohio Department of Transportation	State Road
	Sandusky	139.6	CR 244	Paved	Public	Open Cut	2	19	Riley Township	Township Road
	Sandusky	140.1	CR 238	Paved	Public	Open Cut	2	15	Riley Township	Township Road
	Sandusky	140.7	CR 232	Paved	Public	Bore	2	22	Sandusky County Engineer	County Road
	Sandusky	140.8	CR 241	Paved	Public	Open Cut	2	15	Riley Township	Township Road
	Sandusky	141.3	CR 226	Paved	Public	Open Cut	2	12	Riley Township	Township Road
	Sandusky	141.6	CR 239	Paved	Public	Bore	2	20	Sandusky County Engineer	County Road
	Sandusky	141.9	CR 222	Paved	Public	Open Cut	1	11	Riley Township	Township Road
	Sandusky	142.7	US 6	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Sandusky	143.3	CR 202	Paved	Public	Bore	2	20	Sandusky County Engineer	County Road
	Sandusky	143.3	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Sandusky	143.9	CR 198	Paved	Public	Bore	2	21	Sandusky County Engineer	County Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Sandusky	144.4	CR 188	Paved	Public	Bore	2	18	Sandusky Township	Township Road
	Sandusky	144.8	I80	Paved	Public	Bore	6	250	Unknown	Turnpike
	Sandusky	145.2	CR 234	Paved	Public	Bore	2	16	Sandusky Township	Township Road
	Sandusky	145.9	Driveway	Gravel	Private	HDD	1	20	N/A	N/A
	Sandusky	146.2	SH 53	Paved	Public	Bore	2	38	Ohio Department of Transportation	State Road
	Sandusky	146.5	CR 170	Paved	Public	Bore	2	20	Rice Twp of Sandusky County	Township Road
	Sandusky	147.2	I80	Paved	Public	Bore	6	250	Unknown	Turnpike
	Sandusky	147.5	CR 89	Paved	Public	Bore	2	28	Sandusky County Engineer	County Road
	Sandusky	148.3	SH 19	Paved	Public	Bore	2	32	Ohio Department of Transportation	State Road
	Sandusky	149.6	CR 142	Paved	Public	Open Cut	2	12	Sandusky Township	Township Road
	Sandusky	150.3	CR 128	Paved	Public	Bore	2	22	Sandusky County Engineer	County Road
	Sandusky	150.7	CR 122	Paved	Public	Bore	2	15	Sandusky Township	Township Road
	Sandusky	151.7	CR 106	Paved	Public	Bore	2	18	Sandusky County Engineer	County Road
	Sandusky	152.7	SH 590	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Sandusky	153.8	CR 92	Paved	Public	Bore	2	21	Sandusky County Engineer	County Road
	Sandusky	154.2	SH 20	Paved	Public	Bore	4	31	Ohio Department of Transportation	State Road
	Sandusky	154.4	Unnamed	Dirt	Private	Open Cut	1	10	N/A	N/A
	Sandusky	154.7	CR 87/Long Rd	Paved	Public	Bore	2	20	Washington Township (Sandusky County)	Township Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Sandusky	155.9	CR 74	Paved	Public	Bore	2	18	Washington Township (Sandusky County)	Township Road
	Sandusky	157.1	CR 66	Paved	Public	Bore	2	18	Sandusky County Engineer	County Road
	Sandusky	157.5	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Sandusky	157.6	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Sandusky	157.6	CR 62	Paved	Public	Bore	2	15	Woodville Township	Township Road
	Sandusky	158.2	SH 300	Paved	Public	Bore	2	25	Ohio Department of Transportation	State Road
	Sandusky	158.6	Unnamed	Dirt	Private	Open Cut	1	12	N/A	N/A
	Sandusky	158.9	Unnamed	Paved	Private	Open Cut	1	14	N/A	N/A
	Sandusky	159.0	CR 93	Paved	Public	Open Cut	2	15	Woodville Township	Township Road
	Sandusky	159.7	CR 38	Paved	Public	Open Cut	2	20	Woodville Township	Township Road
	Sandusky	160.3	CR 32	Paved	Public	Bore	2	25	Sandusky County Engineer	County Road
	Sandusky	161.1	CR 48	Paved	Public	Bore	2	15	Woodville Township	Township Road
	Sandusky	161.4	Field Road	Gravel	Private	Open Cut	1	8	N/A	N/A
	Sandusky	161.9	CR 24	Paved	Public	Open Cut	2	20	Woodville Township	Township Road
	Sandusky	162.4	CR117	Paved	Public	HDD	2	22	Sandusky County Engineer	County Road
	Sandusky	162.6	SH 105	Paved	Public	HDD	2	22	Ohio Department of Transportation	State Road
	Sandusky	163.1	CR 139	Paved	Public	Bore	2	15	Woodville Township	Township Road
	Wood	163.7	US 23	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Wood	164.5	SH 582	Paved	Public	Bore	2	20	Ohio Department of Transportation	State Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Wood	164.9	CR 16	Paved	Public	Bore	2	15	Troy Township	Township Road
	Wood	166.1	CR 15	Paved	Public	Bore	2	22	Wood County	County Road
	Wood	166.3	Unnamed	Grass	Private	Open Cut	1	10	N/A	N/A
	Wood	167.2	CR 111/Lemoyne	Paved	Public	Bore	2	20	Troy Township	Township Road
	Wood	167.8	CR 292/Garling	Paved	Public	Bore	2	20	Troy Township	Township Road
	Wood	168.4	CR 11	Paved	Public	Bore	2	21	Wood County	County Road
	Wood	169.4	CR 10	Paved	Public	Bore	2	20	Wood County	County Road
	Wood	170.4	Caris Rd	Paved	Public	Open Cut	2	15	Webster Township	Township Road
	Wood	170.8	CR 272	Paved	Public	Open Cut	1	10	Webster Township	Township Road
	Wood	172.6	SH 199	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Wood	173.5	Carter Rd	Paved	Public	Bore	2	20	Wood County	County Road
	Wood	174.5	CR 92/Dunbridge Rd	Paved	Public	Bore	2	20	Middleton Township (Wood County)	Township Road
	Wood	175.1	I-75	Paved	Public	Bore	4	300	Ohio Department of Transportation	State Road
	Wood	175.6	CR 90	Paved	Public	Open Cut	2	16	Middleton Township (Wood County)	Township Road
	Wood	176.6	SH 25	Paved	Public	Bore	4	28	Ohio Department of Transportation	State Road
	Wood	176.9	Driveway	Gravel	Private	Open Cut	1	12	N/A	N/A
	Wood	177.3	CR 99	Paved	Public	Open Cut	2	20	Middleton Township (Wood County)	Township Road
	Wood	178.1	CR 97	Paved	Public	Bore	2	20	Middleton Township (Wood County)	Township Road
	Wood	179.9	SH 64	Paved	Public	HDD	2	25	Unknown	State Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Wood	181.0	CR 235	Paved	Public	Bore	2	15	Wood County	County Road
	Wood	181.2	SH 65	Paved	Public	HDD	2	24	Ohio Department of Transportation	State Road
	Lucas	181.8	Driveway	Paved	Private	HDD	2	22	N/A	N/A
	Lucas	181.8	US 24	Paved	Public	HDD	2	35	Ohio Department of Transportation	State Road
	Lucas	182.1	Driveway	Gravel	Private	Open Cut	1	8	N/A	N/A
	Lucas	182.1	Driveway	Gravel	Private	Open Cut	1	8	N/A	N/A
	Lucas	183.1	CR 137	Paved	Public	Bore	2	20	Lucas County	County Road
	Lucas	183.4	HWY 24	Paved	Public	Bore	4	60	Ohio Department of Transportation	State Road
	Lucas	184.3	CR 221	Paved	Public	Bore	2	21	Lucas County	County Road
	Lucas	184.8	CR 152	Paved	Public	Bore	2	21	Lucas County	County Road
	Lucas	185.3	Heller Rd	Paved	Public	Bore	2	20	Lucas County	County Road
	Lucas	185.3	Field Road	Gravel	Private	Open Cut	1	12	N/A	N/A
	Lucas	186.3	SH 295 /Berkley Southern Rd	Paved	Public	Bore	2	23	Ohio Department of Transportation	State Road
	Lucas	187.3	Yawberg Rd	Paved	Public	Open Cut	2	18	Lucas County	County Road
	Lucas	187.9	CR 111	Paved	Public	Bore	2	21	Lucas County	County Road
	Lucas	188.4	Manore Rd /CR 110	Paved	Public	Bore	2	18	Lucas County	County Road
	Lucas	188.9	CR 109	Paved	Public	Bore	2	25	Lucas County	County Road
	Lucas	189.3	CR 1	Paved	Public	Bore	2	20	Lucas County	County Road
	Henry	190.2	CR W /County Road A	Paved	Public	Bore	2	20	Unknown	County Road
	Fulton	190.5	CR 2	Paved	Public	Bore	2	18	Fulton County Engineer	County Road
	Fulton	191.5	CR B	Paved	Public	Bore	2	18	Fulton County Engineer	County Road

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Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Fulton	191.6	Driveway	Dirt	Private	Open Cut	1	8	N/A	N/A
	Fulton	192.3	CR 3	Paved	Public	Open Cut	2	18	Fulton County Engineer	County Road
	Fulton	192.8	CR C	Paved	Public	Bore	2	19	Fulton County Engineer	County Road
	Fulton	193.8	CR D	Paved	Public	Bore	2	24	Fulton County Engineer	County Road
	Fulton	194.8	CR E	Paved	Public	Bore	2	20	Swancreek Township of Fulton Co.	Township Road
	Fulton	195.6	CR EF	Paved	Public	Bore	2	16	Fulton County Engineer	County Road
	Fulton	196.2	CR F	Paved	Public	Bore	2	16	Swancreek Township of Fulton Co.	Township Road
	Fulton	197.3	US 20A	Paved	Public	Bore	2	25	Ohio Department of Transportation	State Road
	Fulton	198.3	CR H	Paved	Public	Bore	2	22	Fulton County Engineer	County Road
	Fulton	199.1	I 80	Paved	Public	Bore	4	42	Ohio Turnpike Commission	State Road
	Fulton	199.3	CR J	Paved	Public	Bore	2	19	Fulton County Engineer	County Road
	Fulton	200.0	CR 3	Paved	Public	Bore	2	20	Fulton County Engineer	County Road
	Fulton	200.9	SH 64	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Fulton	201.6	CR L	Paved	Public	Bore	2	22	Fulton County Engineer	County Road
	Fulton	202.7	CR M	Paved	Public	Open Cut	2	25	Fulton County Engineer	County Road
	Fulton	203.8	CR N	Paved	Public	Bore	2	25	Fulton County Engineer	County Road
	Fulton	204.5	CR 2	Paved	Public	Bore	2	18	Fulton County Engineer	County Road
	Fulton	204.9	US Highway 20	Paved	Public	Bore	2	30	Ohio Department of Transportation	State Road
	Fulton	206.0	CR S	Paved	Public	Bore	2	20	Fulton County Engineer	County Road
	Fulton	207.0	CR T	Paved	Public	Bore	2	20	Fulton County Engineer	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Fulton	207.8	CR U	Gravel	Public	Bore	2	20	Fulton County Engineer	County Road
Michigan	Lenawee	209.0	Yankee Rd	Paved	Public	Bore	2	21	Lenawee County Road Commission	County Road
Mainline	Lenawee	210.0	E Mulberry Rd	Paved	Public	Open Cut	2	13	Lenawee County Road Commission	County Road
	Lenawee	211.0	E Ridgeville Rd	Paved	Public	Open Cut	2	15	Lenawee County Road Commission	County Road
	Lenawee	212.0	E Weston Rd	Paved	Public	Open Cut	2	21	Lenawee County Road Commission	County Road
	Lenawee	213.0	Fike Rd	Paved	Public	Open Cut	2	15	Lenawee County Road Commission	County Road
	Lenawee	214.0	E Horton Rd	Paved	Public	Open Cut	2	18	Lenawee County Road Commission	County Road
	Lenawee	215.1	Beamer Rd	Paved	Public	HDD	2	21	Lenawee County Road Commission	County Road
	Lenawee	215.8	E Gorman Rd	Gravel	Public	Open Cut	2	26	Lenawee County Road Commission	County Road
	Lenawee	216.7	SH 223	Paved	Public	Bore	2	40	MDOT (Lenawee)	State Road
	Lenawee	217.1	Driggs Rd	Paved	Public	Bore	2	19	Lenawee County Road Commission	County Road
	Lenawee	218.4	Rouget Rd	Paved	Public	Open Cut	2	20	Lenawee County Road Commission	County Road
	Lenawee	219.2	Pope Rd	Dirt	Private	Open Cut	1	16	N/A	N/A
	Lenawee	219.6	Wellsville Hwy	Paved	Public	Bore	2	21	Lenawee County Road Commission	County Road
	Lenawee	220.1	Deerfield Rd	Paved	Public	Bore	2	24	Lenawee County Road Commission	County Road
	Lenawee	220.7	Forche Rd	Paved	Public	Open Cut	2	18	Lenawee County Road Commission	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Lenawee	221.3	S Blissfield HWY	Paved	Public	Bore	2	21	Lenawee County Road Commission	County Road
	Lenawee	222.1	McMahon Rd	Paved	Public	Open Cut	2	24	Lenawee County Road Commission	County Road
	Lenawee	222.7	Garno Rd	Paved	Public	Open Cut	2	21	Lenawee County Road Commission	County Road
	Lenawee	223.2	Laberdee Rd	Gravel	Public	Open Cut	2	20	Lenawee County Road Commission	County Road
	Lenawee	224.4	Holloway Rd	Paved	Public	Bore	2	21	Lenawee County Road Commission	County Road
	Lenawee	225.0	Britton Hwy	Paved	Public	Bore	2	22	Lenawee County Road Commission	County Road
	Lenawee	225.6	Sutton Rd	Gravel	Public	Open Cut	2	19	Lenawee County Road Commission	County Road
	Lenawee	226.7	Hoagland HWY	Gravel	Public	Open Cut	2	16	Lenawee County Road Commission	County Road
	Lenawee	227.0	Pocklington Rd	Gravel	Public	Open Cut	2	16	Lenawee County Road Commission	County Road
	Lenawee	227.5	Downing HWY	Gravel	Public	Open Cut	2	20	Lenawee County Road Commission	County Road
	Lenawee	228.2	SH 50	Paved	Public	Bore	2	30	MDOT (Lenawee)	State Road
	Lenawee	229.4	Kniffen Rd	Gravel	Public	Open Cut	2	21	Lenawee County Road Commission	County Road
	Lenawee	230.1	Downing HWY	Gravel	Public	Open Cut	2	16	Lenawee County Road Commission	County Road
	Monroe	230.4	North County Line HWY	Paved	Public	Open Cut	2	20	Monroe County Road Commission	County Road
	Monroe	230.7	Milwaukee Rd	Paved	Public	Open Cut	2	25	Monroe County Road Commission	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Monroe	231.3	Couper Rd	Gravel	Public	Open Cut	2	15	Monroe County Road Commission	County Road
	Monroe	231.3	Couper Rd	Gravel	Public	Open Cut	2	15	Monroe County Road Commission	County Road
	Monroe	232.2	Far Rd	Gravel	Public	Open Cut	2	20	Monroe County Road Commission	County Road
	Monroe	232.5	Cone Rd	Paved	Public	Bore	2	22	Monroe County Road Commission	County Road
	Monroe	233.1	Welch Rd	Gravel	Public	Bore	2	15	Monroe County Road Commission	County Road
	Monroe	234.3	Hickory Rd	Paved	Public	Bore	2	20	Monroe County Road Commission	County Road
	Monroe	234.4	Dennison Rd	Paved	Public	Bore	2	24	Monroe County Road Commission	County Road
	Monroe	234.6	Mead Rd	Gravel	Public	Open Cut	2	19	Monroe County Road Commission	County Road
	Monroe	236.2	Redman Rd	Paved	Public	Bore	2	22	Monroe County Road Commission	County Road
	Monroe	236.2	Petersburg Rd	Gravel	Public	Open Cut	2	23	Monroe County Road Commission	County Road
	Washtenaw	237.6	Mooreville Rd	Paved	Public	HDD	2	21	Washtenaw County Road Commission	County Road
	Washtenaw	238.2	Platt Rd	Paved	Public	Bore	2	31	Washtenaw County Road Commission	County Road
	Washtenaw	239.2	Driveway	Gravel	Private	Open Cut	1	10	N/A	N/A
	Washtenaw	239.3	Willow Rd	Paved	Public	Bore	2	23	Washtenaw County Road Commission	County Road
	Washtenaw	239.6	US HWY 23	Paved	Public	Bore	4	37	MDOT (Washtenaw)	State Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Washtenaw	240.0	Carpenter Rd	Paved	Public	Bore	2	30	Washtenaw County Road Commission	County Road
	Washtenaw	241.1	N Sanford Rd	Paved	Public	Bore	2	26	Washtenaw County Road Commission	County Road
	Washtenaw	241.8	Mccrone Rd	Dirt	Public	Open Cut	2	29	Washtenaw County Road Commission	County Road
	Washtenaw	242.3	Judd Rd	Dirt	Public	Open Cut	2	22	Washtenaw County Road Commission	County Road
	Washtenaw	243.3	Pitman Rd	Gravel	Public	Open Cut	2	20	Washtenaw County Road Commission	County Road
	Washtenaw	243.8	Hitchingham Rd	Gravel	Public	Open Cut	2	22	Washtenaw County Road Commission	County Road
	Washtenaw	245.0	Whittaker Rd	Paved	Public	Bore	2	23	Washtenaw County Road Commission	County Road
	Washtenaw	245.2	Willis Rd	Paved	Public	Bore	2	25	Washtenaw County Road Commission	County Road
	Washtenaw	246.6	Tuttle Hill Rd	Gravel	Public	Open Cut	2	20	Washtenaw County Road Commission	County Road
	Washtenaw	247.4	Bemis Rd	Dirt	Public	Bore	2	22	Washtenaw County Road Commission	County Road
	Washtenaw	248.0	Bunton Rd	Paved	Public	Bore	2	25	Washtenaw County Road Commission	County Road
	Washtenaw	248.1	Martz Rd	Paved	Public	Bore	2	21	Washtenaw County Road Commission	County Road
	Washtenaw	248.7	Mckean Rd	Paved	Public	Bore	2	24	Washtenaw County Road Commission	County Road
	Washtenaw	249.7	Driveway	Paved	Private	Open Cut	2	40	N/A	N/A
	Washtenaw	249.7	Unnamed	Gravel	Private	Open Cut	1	20	N/A	N/A
	Washtenaw	250.1	Driveway	Paved	Private	Open Cut	2	32	N/A	N/A

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Washtenaw	250.2	Textile Rd	Paved	Public	Bore	2	35	Washtenaw County Road Commission	County Road
	Washtenaw	251.0	Unnamed	Paved	Private	HDD	1	10	N/A	N/A
	Washtenaw	251.1	Bridge Rd	Paved	Public	HDD	2	21	Washtenaw County Road Commission	County Road
	Washtenaw	251.1	Unnamed	Gravel	Private	HDD	1	14	N/A	N/A
	Washtenaw	251.4	S Grove St	Paved	Public	Bore	3	42	Washtenaw County Road Commission	County Road
	Washtenaw	251.7	Lakeview Ave	Paved	Public	HDD	2	22	Washtenaw County Road Commission	County Road
	Washtenaw	251.7	Willow Run FWY S	Paved	Public	HDD	2	50	MDOT (Washtenaw)	State Road
	Washtenaw	251.7	I-94	Paved	Public	HDD	6	195	MDOT (Washtenaw)	State Road
	Washtenaw	251.7	Willow Run FWY N	Paved	Public	HDD	2	50	MDOT (Washtenaw)	State Road
	Washtenaw	252.0	Coolidge Ave	Paved	Public	Open Cut	2	23	Washtenaw County Road Commission	County Road
	Washtenaw	252.2	State St/SH 173	Paved	Public	Open Cut	2	27	Washtenaw County Road Commission	County Road
	Washtenaw	252.3	Watson St	Paved	Public	Open Cut	2	32	Washtenaw County Road Commission	County Road
	Washtenaw	252.4	Willow Run FWY N / WIARD RD	Paved	Public	Bore	2	35	MDOT (Washtenaw)	State Road
	Washtenaw	252.4	Connecting Road	Paved	Public	Bore	2	30	Unknown	State Road
	Washtenaw	252.8	Tyler Rd	Paved	Public	Bore	2	50	Washtenaw County Road Commission	County Road
	Washtenaw	252.9	Willow Run FWY N RAMP	Paved	Public	Bore	2	30	Washtenaw County Road Commission	County Road
	Washtenaw	252.9	Willow Run FWY S RAMP	Paved	Public	Bore	2	30	Washtenaw County Road Commission	County Road

TABLE 8.2-11

Roadways Crossed by the NEXUS Project

State, Facility	County	Milepost a/	Road Name	Road Surface	Public or Private	Proposed Construction Method	Number of Lanes	Surface Width	Road Permitting Agency	Agency Classification
	Washtenaw	253.2	Willow Run FWY N	Paved	Public	Bore	3	52	MDOT (Washtenaw)	State Road
	Washtenaw	253.3	Airport Dr	Paved	Public	Bore	1	20	Washtenaw County Road Commission	County Road
	Washtenaw	253.3	Willow Run FWY N RAMP	Paved	Public	Bore	2	30	MDOT (Washtenaw)	State Road
	Washtenaw	253.4	Unnamed	Paved	Public	Open Cut	1	8	Unknown	Unknown
	Washtenaw	253.7	Hydramatic Dr	Paved	Public	Bore	2	33	Unknown	State Road
	Washtenaw	253.8	Unnamed	Paved	Private	Open Cut	1	22	N/A	N/A
	Washtenaw	253.8	Hydramatic Dr	Paved	Public	Bore	2	33	Unknown	State Road
	Washtenaw	253.9	US HWY 12 RAMP	Paved	Public	Bore	6	70	MDOT (Washtenaw)	State Road
	Washtenaw	254.0	US HWY 12 RAMP	Paved	Public	Bore	4	75	MDOT (Washtenaw)	State Road
	Washtenaw	254.0	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Washtenaw	254.3	Unnamed	Dirt	Private	Open Cut	1	8	N/A	N/A
	Washtenaw	254.3	RAMP	Paved	Public	Bore	2	20	Wayne County Dept. of Public Services	County Road
	Wayne	254.4	Rawsonville Rd	Paved	Public	Open Cut	1	16	Washtenaw County Road Commission	County Road
	Wayne	254.5	Ecorse Rd	Paved	Public	Bore	2	30	Wayne County Dept. of Public Services	County Road
	Wayne	254.6	US 12 OVERPASS	Paved	Public	Bore	2	30	MDOT (Wayne)	State Road
	Wayne	254.9	US 12 (East and West)	Paved	Public	Bore	4	24	MDOT (Wayne)	State Road

a/ Approximate milepost along the pipeline rounded to the nearest tenth.

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
Ohio				
TGP Interconnecting Pipeline				
	Columbiana	0.1	CR 842	Not Available
	Columbiana	N/A	State Route 644	1,670
	Columbiana	0.6	Hagan Road	Not Available
	Columbiana	0.6	Tunnel Hill Road	Not Available
Mainline				
	Columbiana	1.1	Mechanicstown Road	193
	Columbiana	2.0	US 30	7,250
	Columbiana	2.2	Campbell Road	Not Available
	Columbiana	3.3	Campbell Road	Not Available
	Columbiana	3.5	Buffalo Road	Not Available
	Columbiana	4.9	CR 813/Kettering Road	Not Available
	Columbiana	5.0	CR 812/Weaver Road	129
	Columbiana	5.6	CR 402	1,280
	Columbiana	6.3	Lorey Road	Not Available
	Columbiana	7.7	SH 172	2,920
	Columbiana	8.0	Knox School Road	Not Available
	Columbiana	10.0	Mountz Road	208
	Columbiana	10.5	CR 703	135
	Columbiana	11.3	CR 701	1,228
	Columbiana	12.4	Georgetown Road	Not Available
	Columbiana	12.5	Mahoning Avenue	Not Available
	Stark	13.2	Bowman Street NE	Not Available
	Stark	14.0	Salem Church Street NE	Not Available
	Stark	14.1	SH 183/Union Avenue NE	6,300
	Stark	14.8	Cenfield Street NE	Not Available
	Stark	16.3	Beechwood Avenue	2,600
	Stark	16.8	Fredrick Avenue NE	Not Available
	Stark	17.8	Cartway Street NE	Not Available
	Stark	18.3	Easton Street NE	2,100
	Stark	18.6	Oakhill Avenue NE	Not Available
	Stark	19.6	Parks Avenue	Not Available
	Stark	20.4	US 62	20,000
	Stark	20.8	Schmucker Avenue NE	Not Available
	Stark	21.2	Beech Street NE	2,200
	Stark	21.7	SH 173	8,000
	Stark	22.0	Columbus Road	893
	Stark	22.2	Marlboro Avenue	670
	Stark	23.2	French Avenue	Not Available
	Stark	23.5	Paris Avenue	1,000
	Stark	24.2	Ravenna Avenue	6,950
	Stark	25.0	Preston Ave	Not Available
	Stark	25.5	ST. Peters Church Road	Not Available
	Stark	26.4	Immel Avenue	Not Available
	Stark	27.2	Gans Avenue NE	Not Available
	Stark	28.2	Middlebranch Avenue NE	2,254
	Stark	29.3	Kent Avenue NE	4,811
	Stark	30.3	Market Avenue N	6,105
	Stark	30.8	Coblentz Avenue NW	Not Available
	Stark	31.9	Midway Street NW	Not Available

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Stark	32.1	CR U/Wagner Avenue NW	Not Available
	Stark	32.8	Dotwood Street NW	Not Available
	Stark	33.0	Wright Road NW	1,055
	Stark	33.1	Cleveland Avenue NW	12,300
	Stark	33.2	Crosby Street NW	Not Available
	Stark	34.0	Cain Street NW	Not Available
	Stark	N/A	SH 619	10,700
	Summit	35.0	Mayfair Road	4,176
	Summit	35.5	I-77	75,355
	Summit	36.1	Joan Drive	Not Available
	Summit	36.8	Greensburg Road	7,500
	Summit	37.4	Massillon Road	9,600
	Summit	37.8	Koons Road	Not Available
	Summit	38.3	Thursby Road	Not Available
	Summit	39.0	Koons Road	Not Available
	Summit	39.8	Arlington Road	4,300
	Summit	40.3	Killinger Road	Not Available
	Summit	41.0	Christman Road	Not Available
	Summit	41.5	E Comet Road & Noreast Drive	Not Available
	Summit	42.1	S Main Street	4,699
	Summit	42.7	S Myers Road	Not Available
	Summit	N/A	ST Route 236	2,170
	Summit	43.6	Manchester Road	8,700
	Summit	44.3	Hamsher Road	Not Available
	Summit	44.9	Grove Road	Not Available
	Summit	45.5	West Nimisila Road	Not Available
	Summit	46.2	Rheam Road	Not Available
	Summit	46.8	Center Road	4,610
	Summit	47.9	Van Buren Road	1,006
	Summit	48.8	Fairland Road	Not Available
	Summit	49.4	Cleveland Massillon Road	3,008
	Summit	49.9	Kungle Road	Not Available
	Summit	50.4	Taylor Road	765
	Summit	N/A	SH 619	10,000
	Summit	N/A	Snyder Avenue	6,750
	Summit	N/A	W Wooster Road	9,500
	Summit	N/A	I-76	47,200
	Summit	N/A	HWY 585	19,000
	Summit	N/A	SH 21	31,000
	Wayne	51.1	SH 21	12,940
	Wayne	51.4	Hametown Road	475
	Wayne	52.0	Grill Road	358
	Wayne	52.9	Calaboone Road	1,300
	Wayne	53.0	N Portage Street	4,000
	Wayne	53.5	Gates Street	6,657
	Wayne	53.6	State HWY 585	19,000
	Wayne	54.1	Clinton Road	1,231
	Wayne	54.6	Serfass Road	358
	Wayne	55.7	SH 94	1,453
	Wayne	56.6	Hatfield Road	216
	Wayne	56.6	Eastern Road	1,738
	Wayne	N/A	SH 57	9,000
	Wayne	N/A	Edwards Road	3,300

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Wayne	N/A	Collier Road	1,700
	Wayne	N/A	Doylestown Road	4,500
	Medina	56.8	Rittman Road	1,901
	Medina	57.2	State Highway 57	10,000
	Wayne	57.3	Eastern Road /CR 150	1,660
	Wayne	57.7	CR 150	1,660
	Medina	58.0	CR 18	174
	Medina	58.3	CR 145	1,100
	Medina	59.4	Mennonite Road	1,800
	Medina	60.3	Acme Road	98
	Medina	61.3	Rawiga Road	573
	Medina	61.4	Seville Road	1,800
	Medina	62.6	Greenwich Road	650
	Medina	63.2	I-76	35,000
	Medina	64.2	Guilford Road	460
	Medina	64.4	Blake Road	1,048
	Medina	65.8	Hubbard Valley Road	145
	Medina	65.9	Good Road	486
	Medina	66.0	I-71	50,000
	Medina	66.7	Wooster Pike Road	10,000
	Medina	67.1	Summer Ridge Drive	Not Available
	Medina	68.3	Ryan Road	1,647
	Medina	68.3	Chippewa Road	765
	Medina	69.0	Lake Road	1,968
	Medina	70.9	Wedgewood Road	3,500
	Medina	71.9	LaFayette Road	7,000
	Medina	72.5	Carlton Road	364
	Medina	73.7	W. Smith Road	966
	Medina	74.1	Branch Road	5,300
	Medina	75.0	Stone Road	680
	Medina	76.3	Beck Road	267
	Medina	77.0	Norwalk Road	7,500
	Medina	78.0	Spieth Road	650
	Medina	79.1	Erhart Road	176
	Medina	79.6	Kennedy Road	28
	Medina	N/A	Avon Belden Road	5,200
	Lorain	81.2	Neff Road	Not Available
	Lorain	82.6	Avon Belden Road	5,400
	Lorain	82.7	Law Road	Not Available
	Lorain	83.9	Mennell Road	813
	Lorain	84.7	SH 303	2,700
	Lorain	85.9	CR 49	Not Available
	Lorain	87.1	CR 26	2,413
	Lorain	88.2	Wheeler Road	Not Available
	Lorain	89.2	SH 301	8,663
	Lorain	90.3	CR 48/Whitehead Road	1,286
	Lorain	91.2	Diagonal Road	1,862
	Lorain	92.4	CR 38	Not Available
	Lorain	93.4	Hallauer Road /CR 75	Not Available
	Lorain	93.4	US 20	25,000
	Lorain	94.6	SH 58	10,000
	Lorain	96.8	Quarry Road	Not Available
	Lorain	97.7	Baumhart Road	Not Available

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Lorain	98.5	Gifford Road	Not Available
	Lorain	99.2	SH 511	1,660
	Lorain	100.0	Baird Road	Not Available
	Lorain	100.6	CR 34	Not Available
	Lorain	N/A	I-80	40,000
	Lorain	N/A	CR 302	4,000
	Lorain	N/A	SH 113	3,000
	Cuyahoga	N/A	I-71	90,000
	Cuyahoga	N/A	I-80	40,000
	Huron	101.3	County Line Road	Not Available
	Huron	102.4	CR 63	604
	Huron	103.9	SH 60	1,500
	Huron	104.6	W River Road	566
	Huron	N/A	US Route 20	4,500
	Erie	105.9	Florence Wakeman Road	1,000
	Erie	106.1	Burr Road	Not Available
	Erie	107.6	CR 59	Not Available
	Erie	108.6	SH 113	3,000
	Erie	110.2	Main Road	557
	Erie	110.3	I-80	40,000
	Erie	111.1	CR 134 /Humm RD	Not Available
	Erie	112.0	CR 13	1,500
	Erie	112.1	Lake Street	2,760
	Erie	113.1	CR 132	1,625
	Erie	113.8	CR 131	372
	Erie	114.6	CR 128	294
	Erie	115.0	CR 127	260
	Erie	116.3	CR 126	624
	Erie	117.2	SH 13	4,060
	Erie	118.1	Hoover Road	483
	Erie	119.2	CR 123	1,251
	Erie	119.5	US Highway 250 N	14,000
	Erie	120.4	Patrol Road	Not Available
	Erie	120.5	Patrol Road	Not Available
	Erie	120.9	CR 13	2,111
	Erie	122.1	Thomas Road	363
	Erie	123.2	Ransom Rd/CR 44	38
	Erie	124.8	CR 43	445
	Erie	125.8	Harris Rd /CR 108	Not Available
	Erie	126.2	SH 99	2,800
	Erie	126.7	SH 4	10,000
	Erie	127.7	Portland Road	2700
	Erie	128.4	Maple Avenue	99
	Erie	128.8	Billings Road	141
	Erie	130.1	Deyo Road	Not Available
	Erie	130.8	State HWY 269	3,700
	Erie	N/A	SH 60	3,000
	Sandusky	131.5	CR 1/ CR 312	505
	Sandusky	132.7	I-80	40,000
	Sandusky	133.4	CR 302	200
	Sandusky	133.5	SH 101	2,600
	Sandusky	134.1	CR 294	272
	Sandusky	135.4	CR 278	193

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Sandusky	136.4	CR 268	410
	Sandusky	137.4	CR 260	443
	Sandusky	137.5	CR 233	Not Available
	Sandusky	138.6	SH 510	1,480
	Sandusky	139.3	SH 412	1,800
	Sandusky	139.6	CR 244	Not Available
	Sandusky	140.1	CR 238	Not Available
	Sandusky	140.7	CR 232	218
	Sandusky	140.8	CR 241	Not Available
	Sandusky	141.3	CR 226	Not Available
	Sandusky	141.6	CR 239	Not Available
	Sandusky	141.9	CR 222	Not Available
	Sandusky	142.7	US 6	7,000
	Sandusky	143.3	CR 202	Not Available
	Sandusky	143.9	CR 198	200
	Sandusky	144.4	CR 188	Not Available
	Sandusky	144.8	I-80	40,396
	Sandusky	145.2	CR 234	Not Available
	Sandusky	146.2	SH 53	10,000
	Sandusky	146.5	CR 170	304
	Sandusky	147.2	I-80	41,748
	Sandusky	147.5	CR 89	855
	Sandusky	148.3	SH 19	4,400
	Sandusky	149.6	CR 142	Not Available
	Sandusky	150.3	CR 128	934
	Sandusky	150.7	CR 122	Not Available
	Sandusky	151.7	CR 106	221
	Sandusky	152.7	SH 590	1,658
	Sandusky	153.8	CR 92	Not Available
	Sandusky	154.2	SH 20	10,163
	Sandusky	154.7	CR 87/Long Road	Not Available
	Sandusky	155.9	CR 74	142
	Sandusky	157.1	CR 66	625
	Sandusky	157.6	CR 62	142
	Sandusky	158.2	SH 300	1,488
	Sandusky	159.0	CR 93	Not Available
	Sandusky	159.7	CR 38	Not Available
	Sandusky	160.3	CR 32	703
	Sandusky	161.1	CR 48	Not Available
	Sandusky	161.9	CR 24	Not Available
	Sandusky	162.4	CR117	922
	Sandusky	162.6	SH 105	1,600
	Sandusky	163.1	CR 139	Not Available
	Sandusky	N/A	SH 582	520
	Wood	163.7	US 23	13,000
	Wood	164.5	SH 582	3,000
	Wood	164.9	CR 16	Not Available
	Wood	166.1	CR 15	2,064
	Wood	167.2	CR 111/Lemoyne	1,042
	Wood	167.8	CR 292/Garling	Not Available
	Wood	168.4	CR 11	1,113
	Wood	169.4	CR 10	567
	Wood	170.4	Caris Road	236

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Wood	170.8	CR 272	Not Available
	Wood	172.6	SH 199	2,300
	Wood	173.5	Carter Road	Not Available
	Wood	174.5	CR 92/Dunbridge Road	645
	Wood	175.1	I-75	54,000
	Wood	175.6	CR 90	1,074
	Wood	176.6	SH 25	9,000
	Wood	177.3	CR 99	Not Available
	Wood	178.1	CR 97	513
	Wood	179.9	SH 64	4,470
	Wood	181.0	CR 235	Not Available
	Wood	181.2	SH 65	3,200
	Wood	N/A	Interstate 475	48,150
	Lucas	181.8	US 24	27,000
	Lucas	183.1	CR 137	205
	Lucas	183.4	HWY 24	16,210
	Lucas	184.3	CR 221	56
	Lucas	184.8	CR 152	56
	Lucas	185.3	Heller Road	358
	Lucas	186.3	SH 295 /Berkley Southern Rd	1,000
	Lucas	187.3	Yawberg Road	248
	Lucas	187.9	CR 111	405
	Lucas	188.4	Manore Road /CR 110	119
	Lucas	188.9	CR 109	894
	Lucas	189.3	CR 1	Not Available
	Lucas	N/A	US 64	3,000
	Lucas	N/A	US 20A	17,300
	Lucas	N/A	I-90/I-80	23,000
	Lucas	N/A	I-475	65,000
	Lucas	N/A	US 23	60,000
	Lucas	N/A	US 20	10,000
	Henry	190.2	CR W /County Road A	1,050
	Fulton	190.5	CR 2	Not Available
	Fulton	191.5	CR B	490
	Fulton	192.3	CR 3	607
	Fulton	192.8	CR C	Not Available
	Fulton	193.8	CR D	Not Available
	Fulton	194.8	CR E	Not Available
	Fulton	195.6	CR EF	226
	Fulton	196.2	CR F	Not Available
	Fulton	197.3	US 20A	18,000
	Fulton	198.3	CR H	Not Available
	Fulton	199.1	I-80	13,000
	Fulton	199.3	CR J	328
	Fulton	200.0	CR 3	Not Available
	Fulton	200.9	SH 64	750
	Fulton	201.6	CR L	Not Available
	Fulton	202.7	CR M	Not Available
	Fulton	203.8	CR N	Not Available
	Fulton	204.5	CR 2	Not Available
	Fulton	204.9	US Highway 20	5,000
	Fulton	206.0	CR S	Not Available
	Fulton	207.0	CR T	268

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Fulton	207.8	CR U	1,700
Michigan				
Mainline	Lenawee	209.0	Yankee Road	Not Available
	Lenawee	210.0	E Mulberry Road	3,048
	Lenawee	211.0	E Ridgeville Road	Not Available
	Lenawee	212.0	E Weston Road	856
	Lenawee	213.0	Fike Road	Not Available
	Lenawee	214.0	E Horton Road	Not Available
	Lenawee	215.1	Beamer Road	1,207
	Lenawee	215.8	E Gorman Road	229
	Lenawee	216.7	SH 223	10,000
	Lenawee	217.1	Driggs Road	Not Available
	Lenawee	218.4	Rouget Road	3,100
	Lenawee	219.2	Pope Road	Not Available
	Lenawee	219.6	Wellsville Highway	Not Available
	Lenawee	220.1	Deerfield Road	3,800
	Lenawee	220.7	Forche Road	Not Available
	Lenawee	221.3	S Blissfield Highway	2,200
	Lenawee	222.1	McMahon Road	Not Available
	Lenawee	222.7	Garno Road	Not Available
	Lenawee	223.2	Laberdee Road	Not Available
	Lenawee	224.4	Holloway Road	500
	Lenawee	225.0	Britton Highway	789
	Lenawee	225.6	Sutton Road	Not Available
	Lenawee	226.7	Hoagland Highway	Not Available
	Lenawee	227.0	Pocklington Road	Not Available
	Lenawee	227.5	Downing Highway	Not Available
	Lenawee	228.2	SH 50	7,000
	Lenawee	229.4	Kniffen Road	Not Available
	Lenawee	230.1	Downing Highway	Not Available
	Lenawee	N/A	Bucholtz Highway	306
	Lenawee	N/A	Rogers Highway	1,700
	Lenawee	N/A	Ridge Highway	3,300
	Lenawee	N/A	Brewer Road	500
	Monroe	230.4	North County Line Road	201
	Monroe	230.7	Milwaukee Road	61
	Monroe	231.3	Couper Road	Not Available
	Monroe	231.3	Couper Road	Not Available
	Monroe	232.2	Far Road	Not Available
	Monroe	232.5	Cone Road	1,699
	Monroe	233.1	Welch Road	Not Available
	Monroe	234.3	Hickory Road	Not Available
	Monroe	234.4	Dennison Road	500
	Monroe	234.6	Mead Road	Not Available
	Monroe	236.2	Redman Road	518
	Monroe	236.2	Petersburg Road	Not Available
	Monroe	N/A	SH 23	35,000
	Monroe	N/A	SH 223	7,500
	Monroe	N/A	SH 50	7,000
	Washtenaw	237.6	Mooreville Road	2,912
	Washtenaw	238.2	Platt Road	3,430
	Washtenaw	239.3	Willow Road	2,707
	Washtenaw	239.6	US Highway 23	58,000

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/
	Washtenaw	240.0	Carpenter Road	4,265
	Washtenaw	241.1	N Sanford Road	Not Available
	Washtenaw	241.8	McCrone Road	Not Available
	Washtenaw	242.3	Judd Road	Not Available
	Washtenaw	243.3	Pitman Road	Not Available
	Washtenaw	243.8	Hitchingham Road	Not Available
	Washtenaw	245.0	Whittaker Road	6,694
	Washtenaw	245.2	Willis Road	5,100
	Washtenaw	246.6	Tuttle Hill Road	Not Available
	Washtenaw	247.4	Bemis Road	733
	Washtenaw	248.0	Bunton Road	Not Available
	Washtenaw	248.1	Martz Road	Not Available
	Washtenaw	248.7	McKean Road	Not Available
	Washtenaw	250.2	Textile Road	11,221
	Washtenaw	251.1	Bridge Road	7,603
	Washtenaw	251.4	S Grove Street	3,564
	Washtenaw	251.7	Lakeview Avenue	Not Available
	Washtenaw	251.7	Willow Run Freeway S	Not Available
	Washtenaw	251.7	I-94	96,000
	Washtenaw	251.7	Willow Run Freeway N	Not Available
	Washtenaw	252.0	Coolidge Avenue	Not Available
	Washtenaw	252.2	State Street/SH 173	334
	Washtenaw	252.3	Watson Street	Not Available
	Washtenaw	252.4	Willow Run Freeway N / Wiard Rd	3,213
	Washtenaw	252.4	Connecting Road	Not Available
	Washtenaw	252.8	Tyler Road	1,820
	Washtenaw	252.9	Willow Run Freeway N Ramp	3,213
	Washtenaw	252.9	Willow Run Freeway S Ramp	Not Available
	Washtenaw	253.2	Willow Run Freeway N	Not Available
	Washtenaw	253.3	Airport Drive	1,024
	Washtenaw	253.3	Willow Run Freeway N Ramp	Not Available
	Washtenaw	253.4	Unnamed	Not Available
	Washtenaw	253.7	Hydramatic Drive	Not Available
	Washtenaw	253.8	Hydramatic Drive	Not Available
	Washtenaw	253.9	US Highway 12 Ramp	20,000
	Washtenaw	254.0	US Highway 12 Ramp	20,000
	Washtenaw	254.3	Ramp	Not Available
	Washtenaw	N/A	Wiard Road	3,200
	Washtenaw	N/A	Ridge Highway	6,600
	Washtenaw	N/A	Dennison Road	500
	Washtenaw	N/A	Mooreville Road	7,000
	Washtenaw	N/A	Stony Creek Road	5,800
	Washtenaw	N/A	Rawsonville Road	12,000
	Wayne	254.4	Rawsonville Road	Not Available
	Wayne	254.5	Ecorse Road	12,931
	Wayne	254.9	US 12	19,000

TABLE 8.2-12

Average Daily Traffic Counts on Roads in the NEXUS Project Area

State, Facility	County	Milepost a/	Road Name	Average Daily Traffic Count b/

a/ Approximate milepost along the pipeline rounded to the nearest tenth. If N/A ("Not Applicable"), then the road does not cross the pipeline route.

b/ Sources: Ohio Department of Transportation ("ODOT"). 2015. Traffic Count Information. Available online: http://www.dot.state.oh.us/Divisions/Planning/TechServ/traffic/Pages/Traffic-Count-Reports-and-Maps.aspx
ODOT Transportation Information Mapping System. 2015. Annual Average Daily Traffic Volumes. Available online: http://gis.dot.state.oh.us/tims/Data/Download
Michigan Department of Transportation. 2015. Interactive Annual Average Dailey Traffic Map. Available online: http://www.mcgi.state.mi.us/ntfa/
State of Michigan GIS Open Data. 2013. 2013 MDOT Traffic Volumes GIS Data Layer. Available online: http://gis.michigan.opendata.arcgis.com/datasets/2bcfd62c243e462ea4ff040f8581fe5f_7

TABLE 8.2-13

Railroads Crossed by the NEXUS Project

State, County	MP a/	Name	Active/Inactive	Proposed Construction Method
Ohio				
Columbiana	11.2	Conrail RR	Active	Bore
Stark	18.6	Conrail RR	Active	Bore
Stark	28.1	Wheeling & Lake Erie RR	Active	Bore
Summit	34.3	Metro Regional Transit Authority RR	Inactive (Until 2019)	Bore
Summit	48.2	CSX Transportaton Inc.	Active	HDD
Medina	56.8	Akron Barberton Cluster Railway Company	Active	Bore
Medina	69.1	CSX Transportaton, Inc.	Active	Bore
Medina	72.8	Wheeling & Lake Erie Railway Company	Active	Bore
Medina	73.6	CSX Transportaton, Inc.	Active	Bore
Medina	75.5	B & O Railroad (CSX)	Active	Bore
Lorain	87.1	CSX Transportation, INC.	Active	Bore
Lorain	96.3	Lake Shore Railway Association Inc.	Inactive	Bore
Erie	115.9	Norfolk And Western RR	Active	Bore
Erie	128.4	Norfolk And Western RR	Active	Bore
Sandusky	147.6	Norfolk Southern Corporation	Active	Bore
Sandusky	159.5	Northern Ohio & Western RR	Active	Bore
Wood	166.8	CSX RR	Active	Bore
Wood	173.9	CSX RR	Active	Bore
Wood	179.1	Baltimore And Ohio RR	Active	Bore
Lucas	182.1	Toledo Lake Erie Western RR	Inactive	Bore
Fulton	197.8	Norfolk Southern Corporation	Active	Bore
Michigan				
Lenawee	210.0	Indiana and Ohio RR	Active	Bore
Lenawee	217.1	Adrian & Blissfield RR	Active	Bore
Monroe	233.0	Norfolk & Western RR	Active	Bore
Washtenaw	238.5	Ann Arbor RR	Active	Bore
Washtenaw	249.7	Norfolk Southern Corporation	Inactive	Bore
Wayne	254.8	Amtrak RR (MDOT Owned)	Active	Bore

a/ Approximate milepost along the pipeline rounded to the nearest tenth.

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	Location of Project Activity a/ b/	Description	Anticipated Construction Date/Project Status
Ohio			
Pond	Tract # OH-CO-009.0000 the pond will be 140'-150' north of the study corridor and will be approximately 1 acre in size. The project borders railroad street/hwy 644 to the north and is located southwest of MP 1.00 and southeast of MP 1.34. The exact location of the proposed pond is unknown but from the southern property boundary bordering Railroad Street / HWY 644 to pipeline centerline is approximately 1,883.9 feet and from the northern property boundary line it is approximately 723.5 feet.	Pond recently installed on property	No plans filed
Residential	Tract # OH-ST-140.0000, OH-ST-142.0000, OH-ST-144.0000, OH-ST-146.0000, OH-ST-140.0000 - east of MP 32.74; borders Dotwood St to the south OH-ST-142.0000 - east of MP 32.74; borders Dotwood St to the south OH-ST-144.0000 - east of mp 32.74; borders Dotwood St to the south; centerline crosses through property OH-ST-146.0000 - southwest of MP 32.74; borders Cleveland Ave to the east, south of Dotwood St; centerline crosses through property	Dehoff Agency Inc. - residential no information has been provided by the landowner that a pond will be on his property. Has development surrounding properties into residential homes.	No plans filed
Residential	Tract # OH-ST-156.0000, OH-ST-157.0000, OH-ST-157.0010 OH-ST-156.0000 - located east of MP 33 and northeast of MP 33; centerline crosses through property OH-ST-157.0000 - south of MP 33; borders Wright Road to southeast OH-ST-157.0010 - southwest of MP 33; borders Wright Road to southeast	Whitetail Properties, Inc. - residential	No plans filed

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	**Location of Project Activity** a/ b/	**Description**	**Anticipated Construction Date/Project Status**
Residential	Tract # OH-ST-159.0000, OH-ST-160.0000, OH-ST-162.0000, OH-ST-163.0000, OH-ST-164.0000, OH-ST-165.0000 OH-ST-159.0000 - north of MP 33; located north of Wright Road; centerline crosses through property OH-ST-160.0000 - west of MP 33; located west of Wright Road; centerline crosses through property OH-ST-162.0000 - west of MP 33; located west of Wright Road; centerline crosses through property OH-ST-163.0000- north of MP 33; located north of Wright Road; centerline crosses through property OH-ST-164.0000- north of MP 33; located north of Wright Road; centerline crosses through property OH-ST-165.0000- northwest of MP 33; located north of Wright Road; centerline crosses through property	Dutch Heritage Homes, Inc. - residential	No plans filed
Residential	Tract # OH-ST-177.0000 located at MP 34; borders Cain Street to northwest; centerline crosses through property	Future plans to build residence, plans not approved yet. Plans have been approved to build a pole barn, pond, and bridge.	Plan approved by Stark County for pole barn, pond & bridge construction schedule unknown.
Residential	Tract # OH-WA-026.0000 northwest of MP 53; located on Akron Road and Gates Street	Woods at Silver Creek Ltd. - township approved 65 allotments for future development	Allotments approved by township since 2003 construction schedule unknown. A map has been filed with Wayne County.
Commercial	Approx. 3080' south of the nearest construciton impact on OH-SU-003.0000 (MP 32.8)	Brienza Park	No status given
Commercial	OH-SU-019.0000; OH-SU-020.0000 (MP 34)	Park Place	No status given
Residential	Approx. 760' east of the nearest construction impact on OH-SU-065.0000 (MP 36.9)	Sanctuary At Stoney Creek	No status given
Public park	OH-SU-017.0000 (MP 33.7)	Ariss Park Master Plan	No status given
Commercial	Approx. 1070' east of the nearest construction impact on OH-SU-022.0000 (MP 33.8)	Akron-Canton Airport Runway Protection Zone	No status given
Commercial	Adjacent to, and east of, construction impact on OH-SU-022.0000 (MP 34)	Summit County sheriff training facility (includes a firing range)	No status given

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	**Location of Project Activity** a/ b/	**Description**	**Anticipated Construction Date/Project Status**
Commercial	Old tract number OH-SU-112.0000 (now offline) (MP 35.5)	Portage Lakes Career Center	No status given
Commercial	OH-SU-080.0000 (MP 38.1)	Loyola of the Lakes Jesuit Retreat House	No status given
Residential	Approx. 1100' southeast of nearest construction impact on OH-SU-017.0000 (MP 33.5)	Wise's Mayfair Allotment	No status given
Residential	Approx. 710' west of nearest construction impact on OH-SU-028.0000 (MP 34.8)	Greensburg Heights Allotment	No status given
Residential	Approx. 2775' west of nearest construction impact on OH-SU-032.0000 (MP 35.4)	Green Meadows Estates	No status given
Residential	Approx. 3225' northwest of nearest construction impact on OH-SU-041.0000 (MP 35.7)	Greensburg Woodlands	No status given
Residential	Approx. 4200' north of nearest construction impact on OH-SU-065.0000 (MP 36)	High Tower Estates	No status given
Residential	Approx. 4150' north of nearest construction impact on OH-SU-065.0000 (MP 36.2)	Mirror Lake Allotment	No status given
Residential	Approx. 1300' north of nearest construction impact on OH-SU-065.0000 (MP 36.5)	Rabl Subdivision	No status given
Residential	Approx. 1750' northeast of nearest construction impact on OH-SU-065.0000 (MP 36.5)	Springview Estates	No status given
Residential	Approx 760' east of the nearest construction impact on OH-SU-065.0000 (MP MP 37)	Stoney Creek Estates (and future phases)	No status given
Residential	OH-SU-062.0000, OH-SU-063.0000, & OH-SU-064.0000 (MP 37.1)	Hidden Trail Estates	No status given
Residential	Approx. 1050' north of nearest construction impact on OH-SU-065.0000 (MP 37.3)	Lake Breeze Allotment	No status given
Residential	Approx. 357' south of nearest construction impact on OH-SU-069.0000 (MP 37.4)	Forest Lake Estates	No status given
Residential	OH-SU-091.0001 (MP 39)	Comet Lake Club	No status given
Commercial	OH-SU-027.0000 approximately 0.35 miles southwest of MP 36	NCT Development Corporation nct mentioned that it planned on expanding its facility by the end of 2017.	We have been trying to obtain copies of development plans, if any.
Commercial	OH-SU-026.000; approximately 0.2 miles southwest of MP 36	According to Green Vertical Properties LLC, future development plans are confidential	will not provide copies of plans; unknown if plans have been filed

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	**Location of Project Activity** a/ b/	**Description**	**Anticipated Construction Date/Project Status**
Residential	Tract # OH-ER-059.0000 (MP 112.2)	Plans to build residential structure directly behind existing residence	No plans filed
Residential	Tract # OH-ER-022.0010 (MP 108.5)	Plans to build residence	No plans filed
Land mining	Tract # OH-ER-099.0010 (MP 119)	Board of county commissioners of erie county - property will be used for future land mining. Dirt will be removed and used to cover county landfills	No plans filed
Park	Tract # OH-ER-106.0020-TAR-7 (MP 119.5)	Avery Commerce Park, LLC - plans for commercial park to be updated and/or renovated.	No plans filed
Park	Tract # OH-LO-094.0000, OH-LO-095.0000 (MP 95.5)	Western Land Conservancy - recent purchase as of last week land conservancy purchases land to protect it from development.	No plans filed
Current: City of Wadsworth future: airport expansion	Approx 500' north of permanent easement on tract OH-ME-007.0000 (MP 57.5)	Airport expansion plans are from 2008.	No status given
Residential	Tract # OH-ME-016.0000 (MP 59)	Damar Valley LLC - subdivision	No plans filed
Residential	Tract # OH-ME-018.0000 (MP 59.5)	Plans to build residence and barn on property	No plans filed
Residential	Tract # OH-ME-035.0000 (MP 61.4)	Gatliff building company - plans to build residential home on lot.	No plans filed
Orchard	Tract # OH-ME-021.0000 (MP 59.5)	Operating orchard on property. Plans to further develop with additional trees	No plans filed
Residential	Tract # OH-ME-0050.0000, OH-ME-051.0000 (MP 62.8)	Potential plans to build residences on properties.	no plans filed
Residential	Tract # OH-ME-060.0000, OH-ME-062.0000, OH-ME-063.0000 (MP 64)	Plans to subdivide property along road frontage on Blake/Guilford Roads	No plans filed
Residential	Tract # OH-ME-077.0000 (MP 64)	Plans to subdivide lot (MP 65)	No plans filed
Sewage line	Tract # OH-ME-110.0000, OH-ME-111.0000 (MP 68.5)	Plans to build sewage line and associated pump	No plans filed
Driveway	Tract # OH-ME-116.0000, OH-ME-117.0000 (MP 68.8)	VGL Properties LLC - stone driveways and paths to be created for outdoor public attractions	In process of obtaining permits, construction schedule unknown
Trail	Tract # OH-ME-123.0000 (MP 69)	Medina County Parks - plans to develop an extension to biking/running trail	No plans filed
Unspecified	Tract # OH-ME-133.0000, OH-ME-134.0000, OH-ME-135.0000, OH-ME-135.0000-TAR-8 (MP 70)	Board of county commissioners of Medina County - no details given on plans.	No plans filed

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	**Location of Project Activity** a/ b/	**Description**	**Anticipated Construction Date/Project Status**
Wetland	Tract # OH-ME-136.0000 (MP 70.5)	Medina County Park District - landowner is planning on developing mitigated wetland on tract. Landowner, Medina County Parks Department, has other tracts located close to this location that that have been developed into mitigated wetlands. If it becomes mitigated wetland they historically enter into an environmental covenant with the Ohio ODNR.	No plans filed
Shopping center, apartment complex, residential	Tract # OH-WA-030.0000, OH-ME-030.0000-TAR-2, OH-ME-030.0100 (MP 54)	AR Lockhart Development - plans contingent upon developer installing sewage line. Plans have been filed with county but zoning not yet approved.	Plans filed, construction schedule unknown
Residential	Tract # OH-WA-030.0300 (MP 54.3)	Plans to build residence	No plans filed
Residential	Tract # OH-WA-040.0000, OH-WA-041.0000 (MP 55.6)	Plans to develop land	No plans filed
Masonic lodge retirement home build out	Tract # OH-LC-016.0000, OH-LC-017.0000, OH-LC-017.0000-TAR-1, OH-LC-019.0000 (MP 182) west of County Road 53	Browning Masonic Community Inc. - plans to build a retirement community with housing and other facilities on the property.	Pre-filing stage
Gun range	Tract # OH-WO-121.0000 approximately 0.5 mile west of MP 178	Plans to sell property to the City of Bowling Green, not currently in negotiations. Pipeline route intersects gun range on this property.	No plans filed / gun range operational
Commercial	Tract # OH-WO-122.0000, approximately 0.25 mile southeast of MP 179	City of Bowling Green has purchased this property with initial plan to lease as farm land. Future plans may include building a substation or water reservoir.	No plans filed
Noward Road rebuild - waterville township and Lucas County	Lucas County, Waterville Township, Township Rd 137 (Noward) between Highway 64 and Neopolis Waterville Rd	They plan to rebuild this whole stretch of road.	The plans are firm, and they intend to start in the spring of 2017
State of Ohio and Sandusky County creating new intersection/road	Intersection of 53 and turnpike just south of of proposed pipeline route	State and county have plans to build a new intersection from 53, about 800 feet south of proposed pipeline route. New intersection at turnpike would intersect the proposed pipeline route.	Possibly start construction in 2016
Michigan			
Residential	Tract # MI-MR-049.0000-SC MP 236.71	Crescent Hills Associates, LLC - subdivision expansion; planned subdivision would take up the enire parcel. There are two existing lines here already.	No plans filed

TABLE 8.3-1

Ongoing or Planned Residential and Commercial Projects within the General Area of the NEXUS Project

Type of Project	**Location of Project Activity** a/ b/	**Description**	**Anticipated Construction Date/Project Status**
Apartment complex / gas station / service station	Apartment construction - southern portion along the lake. Gas station/retail space northeast corner of property on MI-WA-112.0000, MI-WA-112.0000-TAR-10 MP 251.2; MP 251.5	Current: frisbee golf course. Future: apartment complex & restaurant along the lake / service station near north east side of property with restaurant(s). The new apartments and restaurant will be along the lake where temporary workspace is located (west of centerline). New gas station will be built at the intersection of bridge road and southgrove street.	Plans filed with Ypsilanti Township
Residential-subdivision expansion	Most of tract MI-WA-048.0000, approximately located at MP 244.6	An easterly expansion of the subdivision on the property to the west across this parcel of land.	Plans were filed around 2004 and nothing has been passed yet. Tentatively breaking ground on road construction in the spring of 2016.
Manufacturing facility / auto test track / research or industrial park	Tract # MI-WA-140.000 and tract # MI-WY-004.0000 - Racer Properties, LLC; MP 254	Remediation site with ground contamination; communications with different interested parties regarding future developmental plans but no firm commitments have been shared. Future development is scheduled for entire tract and the type of development will determine how much space is taken up and used. Could have several projects on this property at same time.	No plans filed

a/ Where location information is known for a given project, the shortest perpendicular distance between the project and the proposed NEXUS Pipeline was measured.

b/ Approximate distance and direction from milepost, or distance crossed.

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
Ohio											
TGP Interconnecting Pipeline											
	Columbiana	OH-COL-003.0000	Residential Building	0.5	Inside	Right	53	Right	Safety Fence	No	NEXUS pipeline workspace encapsulates the landowner's shed (non-occupied structure) due to the paralleling of existing pipelines to the east. To maintain the proper offset to ensure NEXUS pipeline permanent easement does not encroach inside existing foreign pipeline permanent easements, the NEXUS pipeline has been located in the current position. NEXUS will work with the landowner to either relocate the shed (if the landowner agrees) or nexus will leave the shed in current position and install safety fencing around the shed to ensure no damage to shed during construction.
	Columbiana	OH-COL-003.0000	Residential Building	0.5	3	Right	63	Right	Safety Fence	No	NEXUS pipeline encroaches within 3 feet of the landowner's shed (non-occupied structure) due to paralleling existing pipelines to the east. To maintain the proper offset to ensure NEXUS pipeline permanent easement does not encroach inside existing foreign pipeline permanent easements, the NEXUS pipeline has been located in the current position. NEXUS will leave the shed in current position and install safety fencing with a 10-foot buffer around the shed to ensure no damage to shed during construction.
	Columbiana	OH-COL-003.0000	Commercial Building	0.5	46	Right	135	Right	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
Mainline											
	Columbiana	OH-CO-013.0000	Garage	1.9	8	Right	94	Right	Safety Fence	No	This ATWS is predominantly for access to the ROW around the deep bore pit excavation associated with HWY 30 and adjacent stream crossing and topsoil stripping in the area. Spoil from the deep excavation to be stored on the east side of the access road leading to the garage to prevent spoil stockpiling in the front yard of the adjacent landowner to the west. This road being covered by the ATWS was installed by Chesapeake while installing the gas well pad approximately 500 feet to the east of the garage (non-occupied structure). The garage and access track are property of Chesapeake Energy. The road is used daily by a tanker truck and maintenance vehicles. NEXUS and NEXUS' subcontractors will work with Chesapeake Energy to ensure uninhibited access to their garage and gas well.
	Columbiana	OH-CO-016.0010	Barn	2.1	48	Right	173	Right	Safety Fence	No	N/A
	Columbiana	OH-CO-031.0000	Structure	4.1	38	Left	103	Left	Safety Fence	No	N/A
	Columbiana	OH-CO-031.0000	Structure	4.1	42	Left	107	Left	Safety Fence	No	N/A
	Columbiana	OH-CO-055.0110	Residential Building	6.3	28	Right	88	Right	Safety Fence	Yes	N/A
	Columbiana	OH-CO-055.0110	Barn	6.3	37	Right	97	Right	Safety Fence	No	N/A
	Columbiana	OH-CO-055.0100	Garage	6.4	29	Left	94	Left	Safety Fence	No	N/A
	Columbiana	OH-CO-055.0210	Garage	6.4	41	Left	81	Left	Safety Fence	No	N/A
	Columbiana	OH-CO-055.0210	Structure	6.4	48	Left	88	Left	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Columbiana	OH-CO-055.0210	Residential Building	6.4	35	Left	75	Left	Safety Fence	Yes	N/A
	Columbiana	OH-CO-102.0000	Barn	11.4	11	Left	59	Left	Safety Fence	No	N/A
	Columbiana	OH-CO-106.0000	Barn	11.7	36	Left	101	Left	Safety Fence	No	N/A
	Stark	OH-ST-033.0002	Barn	16.8	26	Left	66	Left	Safety Fence	No	N/A
	Stark	OH-ST-035.0000	Barn	16.9	26	Right	86	Right	Safety Fence	No	N/A
	Stark	OH-ST-046.0000	Barn	18.4	32	Left	97	Left	Safety Fence	No	N/A
	Stark	OH-ST-046.0000	Garage	18.4	30	Left	120	Left	Safety Fence	No	N/A
	Stark	OH-ST-046.0000	Structure	18.4	21	Left	86	Left	Safety Fence	No	N/A
	Stark	OH-ST-046.0000	Structure	18.4	24	Left	89	Left	Safety Fence	No	N/A
	Stark	OH-ST-046.0000	Structure	18.4	26	Left	91	Left	Safety Fence	No	N/A
	Stark	OH-ST-069.0000	Barn	21.5	39	Right	124	Right	Safety Fence	No	N/A
	Stark	OH-ST-093.0000	Barn	26.3	7	Right	42	Right	Safety Fence	No	The pipeline has been located in this area to avoid having workspace that would require the clearing of trees immediately to the south of this residence. By doing so, the normal 100-foot nominal ROW in this area has been required to be reduced to 75 feet around this barn (non-occupied structure).
	Stark	OH-ST-093.0000	Structure	26.3	16	Right	69	Right	Safety Fence	No	N/A
	Stark	OH-ST-093.0000	Residential Building	26.3	42	Right	77	Right	Safety Fence	Yes	N/A
	Stark	OH-ST-110.0000	Barn	28.1	50	Right	110	Right	Safety Fence	No	N/A
	Stark	OH-ST-110.0000	Barn	28.1	18	Right	89	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Stark	OH-ST-110.0000	Residential Building	28.2	27	Right	132	Right	Safety Fence	Yes	N/A
	Stark	OH-ST-123.0000	Barn	29.9	Inside	Left	53	Left	Safety Fence	No	ATWS has been provided for the installation of the field bend working back towards the narrower spoil side of the row. The structure encapsulated within the workspace is a non-occupied, lean-to structure (open walled). NEXUS will work with the landowner for the removal/relocation of this structure prior to construction, or reduce the workspace to ensure the workspace does not encapsulate this structure.
	Stark	OH-ST-123.0002	Barn	30.3	44	Left	107	Left	Safety Fence	No	N/A
	Stark	OH-ST-123.0002	Residential Building	30.3	36	Left	129	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-136.0005	Barn	32.3	47	Left	87	Left	Safety Fence	No	N/A
	Stark	OH-ST-136.0007	Barn	32.3	41	Left	81	Left	Safety Fence	No	N/A
	Stark	OH-ST-138.0000	Residential Building	32.6	35	Right	95	Right	Safety Fence	Yes	N/A
	Stark	OH-ST-138.0000	Barn	32.7	28	Right	88	Right	Safety Fence	No	N/A
	Stark	OH-ST-148.0000	Commercial Building	32.7	30	Left	70	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-149.0001	Structure	32.8	29	Right	114	Right	Safety Fence	No	N/A
	Stark	OH-ST-149.0001	Structure	32.8	16	Right	101	Right	Safety Fence	No	N/A
	Stark	OH-ST-151.0001	Structure	32.8	43	Right	128	Right	Safety Fence	No	N/A
	Stark	OH-ST-153.0001	Garage	32.9	27	Right	87	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Stark	OH-ST-153.0001	Structure	32.9	43	Right	103	Right	Safety Fence	No	N/A
	Stark	OH-ST-153.0001	Structure	32.9	45	Right	105	Right	Safety Fence	No	N/A
	Stark	OH-ST-154.0000	Residential Building	32.9	29	Left	69	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-155.0000	Residential Building	32.9	44	Left	84	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-169.0000	Commercial Building	33.1	25	Left	40	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-166.0000	Residential Building	33.2	24	Right	84	Right	Safety Fence	Yes	N/A
	Stark	OH-ST-172.0000	Commercial Building	33.2	31	Left	46	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-172.0020	Structure	33.3	20	Left	135	Left	Safety Fence	No	N/A
	Stark	OH-ST-172.0030	Residential Building	33.3	32	Left	147	Left	Safety Fence	Yes	N/A
	Stark	OH-ST-174.0000	Residential Building	33.5	12	Right	72	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-001.0000	Structure	34.3	34	Right	169	Right	Safety Fence	No	N/A
	Summit	OH-SU-007.0000	Structure	34.6	32	Left	131	Left	Safety Fence	No	N/A
	Summit	OH-SU-007.0000	Structure	34.6	43	Left	136	Left	Safety Fence	No	N/A
	Summit	OH-SU-013.0000	Residential Building	35.0	8	Left	73	Left	Safety Fence	Yes	The construction workspace for the Mayfair Rd bore pit excavation spoil storage and installation of 22.5° formed bend on the west side of Mayfair Rd places the workspace within 8 ft of the residential structure. NEXUS and NEXUS' subcontractors will install the required safety fencing as mitigation to ensure this structure is not damaged during construction.

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Summit	OH-SU-030.0000	Structure	36.7	On Edge	Left	48	Left	Safety Fence	No	The nominal 100-ft ROW for standard pipeline construction comes to the edge of the non-occupied barn located behind the landowner's residence. However, the working ROW will be reduced by the installation of safety fencing during construction to ensure the workspace does not extend fully to the structure to ensure no damage to the structure during construction.
	Summit	OH-SU-029.0003	Residential Building	36.8	47	Right	82	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-029.0010	Garage	36.8	17	Right	64	Right	Safety Fence	No	N/A
	Summit	OH-SU-030.0000	Structure	36.8	27	Left	92	Left	Safety Fence	No	N/A
	Summit	OH-SU-037.0000	Structure	37.3	37	Left	77	Left	Safety Fence	No	N/A
	Summit	OH-SU-035.0000	Residential Building	37.3	35	Right	95	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-037.0000	Residential Building	37.3	37	Left	82	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-041.0000	Residential Building	37.8	9	Right	69	Right	Safety Fence	Yes	The full width of the nominal 100-ft ROW has been shown due to the required road bore of Koons Rd. To reduce impacts to the landscaping, no ATWS has been placed on the property, where the residence is within 9 ft of the nominal ROW. NEXUS will use safety fencing along the boundary of this ROW to ensure no damage to the residence.
	Summit	OH-SU-042.0000	Garage	37.8	30	Left	81	Left	Safety Fence	No	N/A
	Summit	OH-SU-042.0000	Residential Building	37.8	35	Left	125	Left	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Summit	OH-SU-044.0001	Residential Building	37.9	10	Left	86	Left	Safety Fence	Yes	ATWS within up to 10 feet of the edge of the residence has been shown to accommodate the Koons Rd bore. NEXUS will use safety fencing along the boundary of this ROW to ensure no damage to the residence.
	Summit	OH-SU-061.0000	Residential Building	39.0	48	Right	158	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-061.0000	Garage	39.0	37	Right	97	Right	Safety Fence	No	N/A
	Summit	OH-SU-066.0000	Residential Building	39.6	41	Right	101	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-069.0001	Residential Building	39.8	49	Left	139	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-071.0000	Residential Building	39.9	27	Right	62	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-083.0010	Residential Building	41.1	15	Left	73	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-097.0000	Barn	42.0	43	Right	128	Right	Safety Fence	No	N/A
	Summit	OH-SU-097.0000	Barn	42.1	12	Right	97	Right	Safety Fence	No	N/A
	Summit	OH-SU-097.0000	Residential Building	42.1	34	Right	107	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-099.0010	Residential Building	42.1	47	Left	137	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-099.0010	Barn	42.1	46	Left	136	Left	Safety Fence	No	N/A
	Summit	OH-SU-110.0000	Residential Building	42.7	42	Right	118	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-111.0000	Barn	42.8	38	Right	123	Right	Safety Fence	No	N/A
	Summit	OH-SU-128.0000	Garage	43.6	20	Left	35	Left	Safety Fence	No	N/A
	Summit	OH-SU-127.0000	Residential Building	43.6	45	Right	117	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-	Barn	43.6	47	Right	182	Right	Safety	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
		127.0004							Fence		
	Summit	OH-SU-128.0000	Residential Building	43.6	29	Left	69	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-130.0001	Residential Building	43.7	32	Right	167	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-130.0000	Residential Building	43.7	19	Right	57	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-137.0001	Residential Building	44.4	46	Right	106	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-137.0001	Barn	44.4	39	Right	99	Right	Safety Fence	No	N/A
	Summit	OH-SU-137.0001	Barn	44.4	23	Right	83	Right	Safety Fence	No	N/A
	Summit	OH-SU-145.0000	Residential Building	44.9	30	Right	90	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-145.0000	Garage	45.0	42	Right	102	Right	Safety Fence	No	N/A
	Summit	OH-SU-149.0000	Barn	45.2	45	Right	180	Right	Safety Fence	No	N/A
	Summit	OH-SU-149.0000	Barn	45.2	8	Right	130	Right	Safety Fence	No	The ATWS located 8 feet from the barn is for installation of two adjacent wetland crossings to the east and west of this non-occupied structure (Wetland ID AWB-SU-24 & B14-1)
	Summit	OH-SU-149.0001	Barn	45.4	46	Right	104	Right	Safety Fence	No	N/A
	Summit	OH-SU-153.0000	Barn	45.6	48	Right	83	Right	Safety Fence	No	N/A
	Summit	OH-SU-157.0000	Residential Building	46.2	44	Left	84	Left	Safety Fence	Yes	N/A
	Summit	OH-SU-161.0000	Barn	46.4	16	Right	76	Right	Safety Fence	No	N/A
	Summit	OH-SU-189.0001	Barn	48.8	25	Right	85	Right	Safety Fence	No	N/A
	Summit	OH-SU-189.0001	Barn	48.8	17	Right	101	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Summit	OH-SU-191.0010	Residential Building	48.8	21	Right	156	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-193.0010	Shed	49.3	14	Right	76	Right	Safety Fence	No	N/A
	Summit	OH-SU-193.0010	Residential Building	49.4	20	Right	80	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-195.0000	Residential Building	49.4	44	Right	79	Right	Safety Fence	Yes	N/A
	Summit	OH-SU-195.0000	Garage	49.4	24	Right	59	Right	Safety Fence	No	N/A
	Summit	OH-SU-195.0000	Shed	49.4	24	Right	59	Right	Safety Fence	No	N/A
	Summit	OH-SU-195.0000	Barn	49.5	6	Right	116	Right	Safety Fence	No	The ATWS that occurs 6 feet from the non-occupied barn located behind a residential structure is for the long road bore of Cleveland-Massillon Rd while ensuring no workspace is located in the adjacent cemetery to the south.
	Summit	OH-SU-203.0000	Barn	50.2	47	Right	107	Right	Safety Fence	No	N/A
	Summit	OH-SU-206.0001	Barn	50.3	20	Right	80	Right	Safety Fence	No	N/A
	Summit	OH-SU-206.0010	Structure	50.3	16	Right	76	Right	Safety Fence	No	N/A
	Summit	OH-SU-206.0000	Residential Building	50.3	43	Left	92	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-008.0000	Barn	51.4	30	Left	95	Left	Safety Fence	No	N/A
	Wayne	OH-WA-014.0001	Residential Building	52.0	22	Left	93	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-024.0010	Residential Building	53.0	49	Left	139	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-026.0002	Residential Building	53.3	34	Left	74	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-026.0006	Residential Building	53.3	44	Left	84	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-	Garage	53.5	39	Left	129	Left	Safety	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
		026.0020							Fence		
	Wayne	OH-WA-030.0101	Barn	54.0	23	Left	91	Left	Safety Fence	No	N/A
	Wayne	OH-WA-030.0101	Residential Building	54.0	22	Left	37	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-030.0103	Residential Building	54.0	33	Right	68	Right	Safety Fence	Yes	N/A
	Wayne	OH-WA-030.0200	Residential Building	54.3	42	Left	94	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-036.0000	Shed	54.4	49	Right	134	Right	Safety Fence	No	N/A
	Wayne	OH-WA-036.0000	Residential Building	54.4	36	Right	121	Right	Safety Fence	Yes	N/A
	Wayne	OH-WA-046.0000	Commercial Building	55.7	25	Right	85	Right	Safety Fence	Yes	N/A
	Wayne	OH-WA-044.0000	Residential Building	55.7	15	Left	55	Left	Safety Fence	Yes	N/A
	Wayne	OH-WA-053.0000	Residential Building	56.5	27	Right	87	Right	Safety Fence	Yes	N/A
	Wayne	OH-WA-054.0000	Barn	56.5	41	Left	106	Left	Safety Fence	No	N/A
	Medina	OH-ME-071.0000	Barn	65.4	40	Right	125	Right	Safety Fence	No	N/A
	Medina	OH-ME-100.0000	Barn	68.0	21	Left	61	Left	Safety Fence	No	N/A
	Medina	OH-ME-105.0000	Structure	68.3	31	Left	70	Left	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Medina	OH-ME-107.0000	Residential Building	68.3	2	Right	37	Right	Safety Fence	Yes	Workspace for the nominal 100-ft wide ROW is shown 2 ft from the residential building. However, in this location it is the intent of NEXUS to bore past this residence starting from the southeast corner of the intersection of Chippewa Rd and Ryan Rd. The exit pit from the bore would be located 2 lots or further to the west with the spoil from the exit pit being moved to the adjacent cultivated field to the west.
	Medina	OH-ME-107.0000	Structure	68.3	40	Right	75	Right	Safety Fence	No	N/A
	Medina	OH-ME-108.0000	Structure	68.3	45	Right	80	Right	Safety Fence	No	N/A
	Medina	OH-ME-111.0002	Shed	68.3	21	Left	36	Left	Safety Fence	No	N/A
	Medina	OH-ME-112.0001	Structure	68.4	25	Left	119	Left	Safety Fence	No	N/A
	Medina	OH-ME-116.0000	Barn	68.8	3	Left	43	Left	Safety Fence	No	ATWS near the non-occupied structure located 3 ft from the workspace is for the waterbody and Chippewa Rail Trail crossing. NEXUS will utilize safety fencing to ensure no damage to this structure during construction.
	Medina	OH-ME-116.0000	Commercial Building	68.8	44	Left	140	Left	Safety Fence	Yes	N/A
	Medina	OH-ME-123.0020	Residential Building	69.0	16	Right	76	Right	Safety Fence	Yes	N/A
	Medina	OH-ME-144.0010	Residential Building	71.9	18	Right	153	Right	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Medina	OH-ME-147.0000	Barn	71.9	6	Right	91	Right	Safety Fence	No	ATWS located within 6 ft and 5 ft of non-occupied barns has been provided to accommodate the segregation of topsoil. NEXUS will utilize safety fencing to ensure no damage to these structures during construction.
	Medina	OH-ME-147.0000	Barn	72.0	5	Right	90	Right	Safety Fence	No	ATWS located within 6 ft and 5 ft of non-occupied barns has been provided to accommodate the segregation of topsoil. NEXUS will utilize safety fencing to ensure no damage to these structures during construction.
	Medina	OH-ME-150.0000	Barn	72.6	18	Right	78	Right	Safety Fence	No	N/A
	Medina	OH-ME-149.0000	Residential Building	72.6	33	Left	102	Left	Safety Fence	Yes	N/A
	Medina	OH-ME-150.0000	Garage	72.6	10	Right	70	Right	Safety Fence	No	Nominal 100-ft wide ROW has been provided for standard residential construction activities and shows the workspace to be 10 ft from the non-occupied garage located southwest of the residential structure. NEXUS will utilize safety fencing to ensure no damage to these structure during construction.
	Medina	OH-ME-149.0000	Barn	72.6	46	Left	86	Left	Safety Fence	No	N/A
	Medina	OH-ME-151.0000	Barn	72.6	8	Right	43	Right	Safety Fence	No	The nominal 100-ft ROW has been reduced to 75 ft wide near the barn located 8 ft from the edge of the ROW. The ROW width has been reduced, but still maintained at 75 ft for normal construction activities.
	Medina	OH-ME-153.0000	Garage	72.7	50	Left	90	Left	Safety Fence	No	N/A
	Medina	OH-ME-153.0000	Barn	72.7	36	Left	88	Left	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Medina	OH-ME-153.0000	Barn	72.7	10	Left	50	Left	Safety Fence	No	Nominal 100-ft wide ROW has been provided for standard residential construction activities and installation of the 45° formed bend. The workspace is 10 ft from the non-occupied structure located north of the residential structure. NEXUS will utilize safety fencing to ensure no damage to these structures during construction.
	Medina	OH-ME-153.0000	Barn	72.7	34	Left	74	Left	Safety Fence	No	N/A
	Medina	OH-ME-153.0000	Structure	72.7	20	Left	60	Left	Safety Fence	No	N/A
	Medina	OH-ME-161.0000	Shed	73.6	18	Right	153	Right	Safety Fence	No	N/A
	Medina	OH-ME-165.0000	Garage	73.9	24	Right	84	Right	Safety Fence	No	N/A
	Medina	OH-ME-165.0000	Structure	73.9	Inside	Right	29	Right	Safety Fence	No	Nominal 100-ft ROW has been provided in the area near the non-occupied structure west of the residential structure. The structure is encapsulated within the workspace. NEXUS will work with the landowner for the removal/ relocation of this structure prior to construction or else reduce the work space to ensure the workspace does not encapsulate this structure.

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Medina	OH-ME-165.0000	Barn	73.9	Inside	Right	46	Right	Safety Fence	No	Nominal 100-ft ROW has been provided in the area near the non-occupied structure west of the residential structure. For the structure encapsulated within the workspace, NEXUS will work with the landowner for the removal/relocation of this structure prior to construction or else reduce the workspace to ensure the workspace does not encapsulate this structure.
	Medina	OH-ME-181.0010	Residential Building	76.4	38	Right	148	Right	Safety Fence	Yes	N/A
	Lorain	OH-LO-002.0000	Structure	81.0	49	Right	109	Right	Safety Fence	No	N/A
	Lorain	OH-LO-002.0000	Structure	81.0	33	Right	93	Right	Safety Fence	No	N/A
	Lorain	OH-LO-015.0000	Residential Building	82.6	30	Right	90	Right	Safety Fence	Yes	N/A
	Lorain	OH-LO-023.0000	Structure	83.9	20	Left	60	Left	Safety Fence	No	N/A
	Lorain	OH-LO-027.0000	Barn	84.6	47	Right	132	Right	Safety Fence	No	N/A
	Lorain	OH-LO-031.0010	Barn	84.8	44	Right	129	Right	Safety Fence	No	N/A
	Lorain	OH-LO-031.0010	Barn	84.8	37	Right	122	Right	Safety Fence	No	N/A
	Lorain	OH-LO-050.0000	Structure	88.0	25	Left	65	Left	Safety Fence	No	N/A
	Lorain	OH-LO-060.0000	Residential Building	89.2	42	Right	152	Right	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Lorain	OH-LO-083.0000	Structure	93.4	Inside	Right	59	Right	Safety Fence	No	ATWS provided for the bore of US HWY 20. For the non-occupied structures encapsulated within the workspace, NEXUS will work with the landowner for the removal/relocation of the structures prior to construction or else reduce the work space to ensure the workspace does not encapsulate the structures.
	Lorain	OH-LO-083.0000	Structure	93.4	Inside	Right	78	Right	Safety Fence	No	ATWS provided for the bore of US HWY 20. For the non-occupied structures encapsulated within the workspace, NEXUS will work with the landowner for the removal/relocation of the structures prior to construction or else reduce the work space to ensure the workspace does not encapsulate the structures.
	Lorain	OH-LO-083.0000	Structure	93.5	Inside	Right	48	Right	Safety Fence	No	ATWS provided for the bore of US HWY 20. For the non-occupied structures encapsulated within the workspace, NEXUS will work with the landowner for the removal/relocation of the structures prior to construction or else reduce the work space to ensure the workspace does not encapsulate the structures.
	Lorain	OH-LO-087.0000	Barn	94.5	35	Left	75	Left	Safety Fence	No	N/A
	Lorain	OH-LO-087.0000	Commercial Building	94.6	39	Left	79	Left	Safety Fence	Yes	N/A
	Lorain	OH-LO-087.0000	Residential Building	94.6	22	Left	62	Left	Safety Fence	Yes	N/A
	Lorain	OH-LO-090.0000	Residential Building	94.6	24	Right	84	Right	Safety Fence	Yes	N/A
	Lorain	OH-LO-090.0000	Structure	94.6	11	Right	71	Right	Safety Fence	No	N/A
	Lorain	OH-LO-090.0000	Structure	94.7	43	Right	102	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Lorain	OH-LO-092.0002	Structure	94.8	27	Left	67	Left	Safety Fence	No	N/A
	Lorain	OH-LO-092.0003	Structure	94.9	25	Left	65	Left	Safety Fence	No	N/A
	Lorain	OH-LO-092.0004	Structure	94.9	22	Left	62	Left	Safety Fence	No	N/A
	Lorain	OH-LO-092.0007	Structure	94.9	28	Left	68	Left	Safety Fence	No	N/A
	Lorain	OH-LO-092.0008	Structure	94.9	33	Left	73	Left	Safety Fence	No	N/A
	Lorain	OH-LO-093.0006	Structure	95.1	38	Left	78	Left	Safety Fence	No	N/A
	Lorain	OH-LO-093.0007	Structure	95.1	39	Left	79	Left	Safety Fence	No	N/A
	Lorain	OH-LO-093.0009	Structure	95.1	29	Left	69	Left	Safety Fence	No	N/A
	Lorain	OH-LO-096.0000	Structure	95.7	5	Left	45	Left	Safety Fence	No	The nominal 100-ft wide ROW has been provided for standard pipeline construction activities. There is a non-occupied structure 5 ft south of the temporary workspace. NEXUS will utilize safety fencing during construction to ensure no damage occurs to this structure.
	Lorain	OH-LO-107.0002	Garage	96.8	46	Right	106	Right	Safety Fence	No	N/A
	Lorain	OH-LO-116.0000	Barn	98.5	35	Left	124	Left	Safety Fence	No	N/A
	Lorain	OH-LO-117.0000	Barn	98.5	30	Right	140	Right	Safety Fence	No	N/A
	Lorain	OH-LO-117.0000	Barn	98.5	38	Right	98	Right	Safety Fence	No	N/A
	Lorain	OH-LO-122.0000	Barn	99.2	32	Right	103	Right	Safety Fence	No	N/A
	Lorain	OH-LO-128.0000	Barn	100.5	47	Left	87	Left	Safety Fence	No	N/A
	Erie	OH-ER-063.0000	Barn	113.1	28	Left	143	Left	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Erie	OH-ER-063.0000	Barn	113.1	49	Left	164	Left	Safety Fence	No	N/A
	Erie	OH-ER-078.0000	Structure	115.9	6	Right	141	Right	Safety Fence	No	The nominal 100-ft wide ROW with 75-ft wide additional ATWS has been provided for the boring of the railroad to the east of this non-occupied structure located 6 ft from the workspace. NEXUS will utilize safety fencing to ensure no damage to these structure during construction.
	Erie	OH-ER-078.0000	Barn	115.9	Inside	Right	34	Right	Safety Fence	No	The nominal 100-ft wide ROW with 75-ft wide additional ATWS has been provided for the boring of the railroad to the east of this non-occupied structure that is encapsulated within the workspace. For the non-occupied structure encapsulated within the workspace, NEXUS will work with the landowner for the removal/ relocation of this structure prior to construction or else reduce the workspace to ensure the workspace does not encapsulate this structure.
	Erie	OH-ER-078.0000	Barn	116.0	6	Right	66	Right	Safety Fence	No	The nominal 100-ft wide ROW has been provided for standard pipeline construction activities. There is a non-occupied structure 6 ft north of the temporary workspace. NEXUS will utilize safety fencing during construction to ensure no damage occurs to this structure.
	Erie	OH-ER-094.0000	Commercial Building	118.1	30	Right	140	Right	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Erie	OH-ER-097.0000	Barn	118.5	Inside	Right	34	Right	Safety Fence	No	The nominal 100-ft wide ROW has been provided for standard pipeline construction activities. For the non-occupied structure encapsulated within the workspace, NEXUS will work with the landowner for the removal/ relocation of this structure prior to construction or else reduce the workspace to ensure the workspace does not encapsulate this structure.
	Erie	OH-ER-099.0000	Garage	119.2	42	Left	157	Left	Safety Fence	No	N/A
	Erie	OH-ER-135.0000	Structure	125.8	17	Right	77	Right	Safety Fence	No	N/A
	Erie	OH-ER-135.0001	Residential Building	125.8	32	Right	131	Right	Safety Fence	Yes	N/A
	Erie	OH-ER-136.0000	Residential Building	125.8	34	Left	74	Left	Safety Fence	Yes	N/A
	Erie	OH-ER-139.0000	Barn	125.8	2	Right	62	Right	Safety Fence	No	The nominal 100-ft wide ROW with ATWS has been provided for the road bore of Harris Rd along with the installation of the 45° formed bend. NEXUS will utilize safety fencing during construction to ensure no damage is done to the non-occupied barn located 2 ft from the edge of the workspace.
	Erie	OH-ER-139.0000	Barn	125.9	5	Right	99	Right	Safety Fence	No	The nominal 100-ft wide ROW with ATWS has been provided for the bore of Harris Rd along with the waterbody crossing west of Harris Rd NEXUS will utilize safety fencing during construction to ensure no damage is done to the non-occupied barn located 5 ft from the edge of the workspace.
	Erie	OH-ER-151.0010	Residential Building	127.7	22	Right	107	Right	Safety Fence	Yes	N/A
	Erie	OH-ER-152.0001	Residential Building	127.7	44	Left	160	Left	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Erie	OH-ER-151.0010	Structure	127.7	41	Right	126	Right	Safety Fence	No	N/A
	Erie	OH-ER-151.0001	Structure	127.7	18	Right	103	Right	Safety Fence	No	N/A
	Erie	OH-ER-160.0000	Barn	128.9	31	Right	175	Right	Safety Fence	No	N/A
	Erie	OH-ER-160.0000	Barn	128.9	35	Right	257	Right	Safety Fence	No	N/A
	Erie	OH-ER-160.0000	Structure	128.9	3	Right	383	Right	Safety Fence	No	A temporary access road has been utilized to allow construction equipment across Billings Rd. The location of the pipeline ROW crossing of Billings Rd is at an elevated portion of the road where it comes off an overpass just to the south where Billings Rd crosses the Ohio Turnpike. The temporary access road has been located as near as possible to the edge of the landowner's cultivation so as to minimize disruption to farming activities. The temporary access road is located 3 ft from a non-occupied structure. NEXUS will utilize safety fencing during construction to ensure no damage to this structure.
	Sandusky	OH-SA-014.0000	Residential Building	133.5	33	Left	73	Left	Safety Fence	Yes	N/A
	Sandusky	OH-SA-085.0000	Barn	145.2	29	Left	109	Left	Safety Fence	No	N/A
	Sandusky	OH-SA-098.0001	Garage	146.5	50	Left	140	Left	Safety Fence	No	N/A
	Sandusky	OH-SA-120.0001	Barn	150.2	25	Right	110	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Sandusky	OH-SA-120.0001	Structure	150.2	On Edge	Right	86	Right	Safety Fence	No	ATWS has been provided for topsoil segregation and is located to the edge of the non-occupied barn located on the southeastern corner of the landowner's property. NEXUS will utilize safety fencing during construction to ensure no damage is done to this structure.
	Sandusky	OH-SA-120.0001	Residential Building	150.2	47	Right	132	Right	Safety Fence	Yes	N/A
	Sandusky	OH-SA-120.0001	Structure	150.2	42	Right	127	Right	Safety Fence	No	N/A
	Sandusky	OH-SA-156.0010	Structure	155.1	20	Right	113	Right	Safety Fence	No	N/A
	Sandusky	OH-SA-159.0010	Barn	155.9	12	Right	98	Right	Safety Fence	No	N/A
	Sandusky	OH-SA-159.0020	Residential Building	155.9	44	Left	134	Left	Safety Fence	Yes	N/A
	Sandusky	OH-SA-159.0020	Residential Building	155.9	17	Left	107	Left	Safety Fence	Yes	N/A
	Sandusky	OH-SA-159.0020	Structure	155.9	26	Left	116	Left	Safety Fence	No	N/A
	Sandusky	OH-SA-168.0000	Structure	157.5	Inside	Mid	On Route	Mid	Safety Fence	No	The pipeline has been located in this area to parallel the existing pipelines. The structures in this location are mobile (wheeled) structures that the landowner has moved in the past. NEXUS will work with the landowner to ensure the structures have been removed from the pipeline ROW prior to construction.
	Sandusky	OH-SA-170.0000	Residential Building	157.7	34	Right	169	Right	Safety Fence	Yes	N/A
	Sandusky	OH-SA-217.0010	Residential Building	163.7	15	Right	101	Right	Safety Fence	Yes	N/A
	Wood	OH-WO-028.0001	Garage	167.2	43	Right	153	Right	Safety Fence	No	N/A
	Wood	OH-WO-048.0000	Barn	170.7	37	Right	118	Right	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Wood	OH-WO-048.0000	Structure	170.7	49	Right	111	Right	Safety Fence	No	N/A
	Lucas	OH-LC-055.0010	Structure	187.9	24	Right	84	Right	Safety Fence	No	N/A
	Henry	OH-HY-001.0000	Barn	189.3	29	Left	97	Left	Safety Fence	No	N/A
	Fulton	OH-FU-014.0030	Structure	193.5	Inside	Right	36	Right	Safety Fence	No	The pipeline has been located in this area to parallel powerlines. The structures encapsulated within the nominal 100-ft ROW for standard pipeline construction activities are non-occupied. NEXUS will work with the landowner to ensure the structures have been removed from the pipeline ROW prior to construction, or reduce the nominal pipeline ROW width such that the workspace does not encapsulate the structures.
	Fulton	OH-FU-014.0030	Structure	193.5	Inside	Right	42	Right	Safety Fence	No	The pipeline has been located in this area to parallel powerlines. The structures encapsulated within the nominal 100-ft ROW for standard pipeline construction activities are non-occupied. NEXUS will work with the landowner to ensure the structures have been removed from the pipeline ROW prior to construction, or reduce the nominal pipeline ROW width such that the workspace does not encapsulate the structures.

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Fulton	OH-FU-014.0030	Structure	193.5	Inside	Right	39	Right	Safety Fence	No	The pipeline has been located in this area to parallel powerlines. The structures encapsulated within the nominal 100-ft ROW for standard pipeline construction activities are non-occupied. NEXUS will work with the landowner to ensure the structures have been removed from the pipeline ROW prior to construction, or reduce the nominal pipeline ROW width such that the workspace does not encapsulate the structures.
	Fulton	OH-FU-015.0001	Garage	193.8	45	Left	159	Left	Safety Fence	No	N/A
	Fulton	OH-FU-015.0001	Residential Building	193.8	17	Left	144	Left	Safety Fence	Yes	N/A
	Fulton	OH-FU-015.0000	Structure	193.8	27	Right	162	Right	Safety Fence	No	N/A
	Fulton	OH-FU-019.0000	Barn	194.8	32	Left	117	Left	Safety Fence	No	N/A
Michigan											
Mainline	Monroe	MI-MR-019.0000	Barn	232.4	25	Left	65	Left	Safety Fence	No	N/A
	Monroe	MI-MR-019.0001	Residential Building	232.4	50	Left	165	Left	Safety Fence	Yes	N/A
	Monroe	MI-MR-028.0000	Structure	233.1	45	Right	105	Right	Safety Fence	No	N/A
	Monroe	MI-MR-033.0000	Residential Building	234.2	29	Left	144	Left	Safety Fence	Yes	N/A
	Washtenaw	MI-WA-027.0000	Barn	241.1	14	Left	55	Left	Safety Fence	No	N/A
	Washtenaw	MI-WA-030.0001	Structure	241.6	37	Left	77	Left	Safety Fence	No	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Washtenaw	MI-WA-035.0000	Barn	242.4	8	Right	93	Right	Safety Fence	No	ATWS has been provided for the waterbody crossing located to the southwest of the non-occupied barn which is 8 ft from the workspace. NEXUS will utilize safety fencing during construction to ensure no damage is done to this structure.
	Washtenaw	MI-WA-069.0001	Structure	247.5	49	Right	134	Right	Safety Fence	No	N/A
	Washtenaw	MI-WA-074.0000	Structure	247.9	15	Right	100	Right	Safety Fence	No	N/A
	Washtenaw	MI-WA-075.0010	Residential Building	247.9	44	Left	123	Left	Safety Fence	Yes	N/A
	Washtenaw	MI-WA-106.0000	Commercial Building	250.2	1	Right	62	Right	Safety Fence	Yes	Nominal 100-ft ROW has been provided for normal construction activities in this area in addition to the bore of Textile Road and the associated existing pipelines that are installed parallel to Textile Road. The temporary workspace comes within one foot of the commercial structure. NEXUS will utilize safety fencing during construction to ensure no damage is done to this structure.
	Washtenaw	MI-WA-118.0000	Residential Building	252.0	37	Left	77	Left	Safety Fence	Yes	N/A
	Washtenaw	MI-WA-118.0000	Structure	252.0	Inside	On Edge	41	Left	Safety Fence	No	Nominal 100-ft ROW has been provided in this area except where necked down due to congestion of buildings. NEXUS will work with the landowner to ensure structures have been removed from the pipeline ROW prior to construction or else reduce the nominal pipeline ROW width such that the workspace does not encapsulate these structures. NEXUS will utilize safety fencing to protect any non-occupied structures that cannot be removed/ relocated prior to construction.
	Washtenaw	MI-WA-119.0010	Residential Building	252.0	26	Left	66	Left	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Washtenaw	MI-WA-119.0010	Structure	252.1	Inside	Left	29	Left	Safety Fence	No	Nominal 100-ft ROW has been provided in this area except where necked down due to congestion of buildings. NEXUS will work with the landowner to ensure structures have been removed from the pipeline ROW prior to construction or else reduce the nominal pipeline ROW width such that the workspace does not encapsulate these structures. NEXUS will utilize safety fencing to protect any non-occupied structures that cannot be removed/ relocated prior to construction.
	Washtenaw	MI-WA-119.0020	Structure	252.1	On Edge	Left	39	Left	Safety Fence	No	Nominal 100-ft ROW has been provided in this area except where necked down due to congestion of buildings. NEXUS will work with the landowner to ensure structures have been removed from the pipeline ROW prior to construction or else reduce the nominal pipeline ROW width such that the workspace does not encapsulate these structures. NEXUS will utilize safety fencing to protect any non-occupied structures that cannot be removed/ relocated prior to construction.
	Washtenaw	MI-WA-119.0020	Structure	252.1	50	Left	90	Left	Safety Fence	No	N/A
	Washtenaw	MI-WA-120.0000	Commercial Building	252.2	31	Right	66	Right	Safety Fence	Yes	N/A
	Washtenaw	MI-WA-123.0001	Structure	252.2	45	Right	172	Right	Safety Fence	No	N/A
	Wayne	MI-WY-002.0000	Structure	254.4	48	Right	133	Right	Safety Fence	No	N/A
	Wayne	MI-WY-008.0000	Structure	254.9	36	Right	184	Right	Safety Fence	No	N/A
	Washtenaw	MI-WA-140.0040	Commercial Building	255.1	42	Left	82	Left	Safety Fence	Yes	N/A

TABLE 8.3-2

Buildings within 50 Feet of the Construction Workspace for the NEXUS Project

State, Facility	County	Tract Number	Type	MP	Distance a/ and Direction (Right or Left) b/				Mitigation c/	Occupied (Yes/No) d/	Justification (Buildings within 10 feet of workspace)
					Distance From Edge of Workspace (feet)	Edge of Workspace Direction	Distance From Pipeline Centerline (feet)	Pipeline Direction			
	Washtenaw	MI-WA-140.0040	Structure	255.1	On Edge	Left	38	Left	Safety Fence	No	The nominal 100-ft ROW has been provided, where congestion of buildings has allowed, for constructing the final segment of the NEXUS pipeline into the Willow Run Meter Station. NEXUS will work with the landholders in this location to utilize safety fencing and protect all structures within or adjacent to the workspace.
	Wayne	MI-WY-012.0000	Commercial Building	255.1	Inside	Right	56	Right	Safety Fence	Yes	The nominal 100-ft ROW has been provided, where congestion of buildings has allowed, for constructing the final segment of the NEXUS pipeline into the Willow Run Meter Station. NEXUS will work with the landholders in this location to utilize safety fencing and protect all structures within or adjacent to the workspace.
	Wayne	MI-WY-012.0000	Structure	255.2	7	Right	78	Right	Safety Fence	No	The nominal 100-ft ROW has been provided, where congestion of buildings has allowed, for constructing the final segment of the NEXUS pipeline into the Willow Run Meter Station. NEXUS will work with the landholders in this location to utilize safety fencing and protect the structure 7 ft from the workspace.

a/ Distances are approximate and derived from aerial photography and LIDAR data (where survey is not available).
b/ Direction "right" and "left" are from the perspective of an observer starting at milepost 0.0 of the subject pipeline alignment.
c/ Refer to site specific residential plan for workspace layout and placement of safety fence in relation to each property.
d/ Occupancy status determined based on DOT/Non-DOT structure classification.

TABLE 8.3-3

Septic Systems Crossed by the NEXUS Project a/

State, Facility	County	Tract	Milepost Begin b/	Milepost End b/
Ohio				
Mainline				
	Columbiana	OH-CO-046.0010	5.5	5.6
	Columbiana	OH-CO-055.0100	6.3	6.4
	Stark	OH-ST-132.0000	16.3	16.5
	Stark	OH-ST-047.0000	18.4	18.6
	Stark	OH-ST-049.0000	18.6	18.6
	Stark	OH-ST-110.0000	28.1	28.2
	Stark	OH-ST-130.0000	31.1	31.4
	Summit	OH-SU-143.0000	44.8	44.9
	Wayne	OH-WA-020.0000	52.9	52.9
	Wayne	OH-WA-036.0000	54.4	54.5
	Wayne	OH-WA-053.0000	56.4	56.5
	Wayne	OH-WA-054.0000	56.5	56.6
	Wayne	OH-WA-046.0000	56.7	56.7
	Medina	OH-ME-017.0000	59.2	59.3
	Medina	OH-ME-018.0010	59.2	59.4
	Medina	OH-ME-018.0000	59.3	59.4
	Medina	OH-ME-077.0000	65.8	65.9
	Medina	OH-ME-110.0000	68.3	68.3
	Medina	OH-ME-144.0010	71.5	71.9
	Medina	OH-ME-147.0000	71.9	72.5
	Medina	OH-ME-149.0000	72.6	72.6
	Medina	OH-ME-150.0000	72.6	72.6
	Medina	OH-ME-151.0000	72.6	72.7
	Medina	OH-ME-153.0000	72.7	72.8
	Medina	OH-ME-161.0000	73.7	73.7
	Medina	OH-ME-165.0000	73.9	74.0
	Medina	OH-ME-181.0010	76.3	76.5
	Lorain	OH-LO-015.0000	82.6	82.7
	Lorain	OH-LO-024.0000	83.8	83.9

TABLE 8.3-3

Septic Systems Crossed by the NEXUS Project a/

State, Facility	County	Tract	Milepost Begin b/	Milepost End b/
	Lorain	OH-LO-027.0000	84.4	84.5
	Lorain	OH-LO-050.0010	88.1	88.2
	Lorain	OH-LO-060.0000	89.1	89.2
	Lorain	OH-LO-128.0000	100.4	100.6
	Erie	OH-ER-044.0010	111.1	111.4
	Erie	OH-ER-135.0000	125.7	125.8
	Erie	OH-ER-136.0000	125.8	125.8
	Erie	OH-ER-138.0000	125.8	125.9
	Erie	OH-ER-139.0000	125.8	125.9
	Erie	OH-ER-144.0010	126.3	126.3
	Erie	OH-ER-151.0010	127.7	127.7
	Erie	OH-ER-160.0000	128.8	129.2
	Sandusky	OH-SA-159.0020	155.8	155.9
	Sandusky	OH-SA-170.0000	157.6	157.7
	Sandusky	OH-SA-208.0000	162.8	162.9
	Sandusky	OH-SA-217.0010	163.7	163.7
	Wood	OH-WO-041.0010	169.3	169.4
	Wood	OH-WO-053.0000	170.9	171.2
	Wood	OH-WO-058.0000	171.5	171.7
	Wood	OH-WO-078.0000	173.5	173.6
	Lucas	OH-LC-058.0010	188.4	188.4
	Lucas	OH-LC-063.0010	188.9	189.3
	Fulton	OH-FU-015.0000	193.7	193.8
	Fulton	OH-FU-019.0000	194.3	194.8
	Fulton	OH-FU-029.0000	196.2	196.7
	Fulton	OH-FU-057.0000	200.9	201.4
	Fulton	OH-FU-079.0000	204.9	205.3
Michigan				
Mainline				
	Lenawee	MI-LE-012.0000	210.5	211.0
	Lenawee	MI-LE-042.0000	218.4	218.9

TABLE 8.3-3

Septic Systems Crossed by the NEXUS Project a/

State, Facility	County	Tract	Milepost Begin b/	Milepost End b/
	Lenawee	MI-LE-091.0000	225.7	226.1
	Lenawee	MI-LE-113.0000	229.9	230.1
	Monroe	MI-MR-028.0000	233.2	233.3
	Monroe	MI-MR-035.0000	234.3	234.4
	Monroe	MI-MR-035.0010	234.4	234.4
	Monroe	MI-MR-046.0000	236.2	236.2
	Washtenaw	MI-WA-042.0010	243.3	243.3
	Washtenaw	MI-WA-067.0000	247.1	247.4
	Washtenaw	MI-WA-068.0010	247.4	247.6
	Washtenaw	MI-WA-081.0020	248.2	248.2
	Washtenaw	MI-WA-094.0010	248.7	248.7
	Washtenaw	MI-WA-118.0000	252.0	252.0

a/ Septic systems located within 150 feet of the Project pipeline centerline as determined from conversations and correspondence with landowners, data gathered during field survey, and review of aerial photography and Lidar imagery to determine likely locations for “no access” properties.
b/ Approximate milepost along the pipeline rounded to the nearest tenth of a mile.

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
Ohio								
Mainline								
	Columbiana	0.1	0.1	88.4	75	FW, OW	B15-17	Wetland
	Columbiana	0.6	0.7	187.5	75	OL, OW	B15-28	Wetland
	Columbiana	0.7	0.7	119.3	75	AG, OL	B15-17	Wetland
	Columbiana	0.9	1.0	248.7	75	AG, OW	B15-29	Wetland
	Columbiana	1.2	1.2	191.1	75	FW, OL, OW	C15-84/AWB-CO-06	Wetland
	Columbiana	2.0	2.2	1,200.6	75	AG, ID, OL, OW	A14-5/AWB-CO-200/A14-5-S4	Wetland/Waterbody
	Columbiana	4.9	5.0	695.7	75	ID, FW, OW, OL	A14-10/A14-10-S1	Wetland/Waterbody
	Columbiana	5.2	5.3	233.9	75	FW, OW	A14-11	Wetland
	Columbiana	5.6	5.6	19.4	75	OL	A14-126	Wetland
	Columbiana	6.4	6.5	73.9	75	OL, OW	AWB-SU-214	Wetland
	Columbiana	7.9	8.2	1,827.0	0	AG, ID, FW, OL, RE	B15-31	HDD e/
	Columbiana	7.9	8.2	122.1	75	OL	B15-31	HDD
	Columbiana	7.9	8.2	551.5	75	AG	B15-31	HDD
	Columbiana	10.3	10.3	174.7	75	OL	A14-14	Wetland
	Columbiana	10.6	10.6	38.0	75	OL, OW	A14-15	Wetland
	Columbiana	11.0	11.0	269.1	75	AG, FW, OL, OW	A15-33/C15-65/C15-65-S1	Wetland/Waterbody
	Columbiana	11.2	11.2	241.2	75	OL, OW	A15-34	Wetland
	Columbiana	11.3	11.3	402.6	75	OL	A15-31	Wetland
	Columbiana	11.4	11.4	42.9	75	OL	N/A	Waterwell
	Columbiana	11.7	11.7	69.1	75	FW, OL, OW	A14-17	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Stark	13.0	13.0	83.8	75	FW, OL	A14-108/AWB-ST-211	Wetland
	Stark	13.1	13.1	321.2	75	OL	AWB-ST-212	Wetland
	Stark	13.5	13.5	83.2	75	AG, FW	AWB-ST-213	Wetland
	Stark	13.7	13.7	52.5	75	FW	AWB-ST-2	Wetland
	Stark	15.0	15.1	335.5	75	AG, FW, OL	A14-21	Wetland
	Stark	15.3	15.4	655.7	75	FW, OL	C15-92	Wetland
	Stark	15.7	15.8	53.4	75	AG, OL	AWB-ST-215	Wetland
	Stark	17.2	17.3	725.5	75	AG, FW, OW	AWB-ST-7	Wetland
	Stark	17.3	17.3	46.8	75	AG	A14-107	Wetland
	Stark	17.6	17.6	77.2	75	AG, FW	A14-106	Wetland
	Stark	18.6	18.6	308.6	50	AG,ID,OL,RE	N/A	Road/ Railway bore
	Stark	19.0	19.0	114.1	75	AG	C15-85	Wetland
	Stark	19.3	19.4	519.4	75	FW,OL,OW	AWB-ST-202/C15-87	Wetland
	Stark	20.4	20.4	216.1	0	ID,FW,OL	B15-42	Wetland e/
	Stark	24.6	24.6	263.4	75	FW,OW	A14-161/A14-161-S1	Wetland/Waterbody
	Stark	25.4	25.5	56.6	75	AG,OL	A14-167	Wetland
	Stark	26.3	26.3	166.7	75	AG	N/A	Residential Structure
	Stark	26.9	26.9	166.6	75	AG,OL	AWB-ST-210	Wetland
	Stark	27.4	27.4	73.8	75	AG,OW	B15-46	Wetland
	Stark	27.8	28.0	1,099.6	75	AG,FW,OL	A14-34/AWB-ST-201	Wetland
	Stark	28.9	29.0	385.4	75	FW,OW	AWB-ST-27/A14-168	Wetland/Waterbody
	Stark	29.3	29.3	211.1	75	ID,FW	AWB-ST-14	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Stark	30.0	30.0	108.2	75	FW	AWB-ST-26	Wetland
	Stark	32.1	32.2	229.5	75	AG	A14-164	Wetland
	Stark	32.2	32.2	62.8	75	AG	A14-164	Wetland
	Stark	32.7	32.8	164.2	75	FW,OL	AWB-ST-206	Wetland
	Stark	32.8	32.8	183.5	75	FW,OL	AWB-ST-208	Wetland
	Stark	33.1	33.2	366.1	50	ID,RE	N/A	Long Bore
	Stark	33.1	33.2	148.8	75	OL,RE	N/A	Long Bore
	Stark	33.3	33.9	2,821.5	75	FW,OL,OW	AWB-ST-205	Wetland
	Summit	34.2	34.6	2,327.7	75	ID,FW,OL,RE	AWB-SU-213	Wetland
	Summit	34.7	34.7	159.0	75	AG,FW,RE	AWB-SU-211	Wetland
	Summit	35.1	35.1	196.8	75	OL	AWB-SU-209	Wetland
	Summit	35.3	35.4	550.0	75	FW,OL	AWB-SU-3	Wetland
	Summit	35.5	35.5	380.5	0	AG,ID,OL	N/A	Long Bore e/
	Summit	35.6	35.6	289.3	75	FW	AWB-SU-4	Wetland
	Summit	36.2	36.3	422.3	75	FW	AWB-SU-208	Wetland
	Summit	36.6	36.7	112.2	75	FW,OL	AWB-SU-207	Wetland
	Summit	36.8	36.8	150.4	75	RE	N/A	Residential Structure
	Summit	37.0	37.0	183.6	75	FW	AWB-SU-217	Wetland
	Summit	37.1	37.2	348.7	75	AG,FW	AWB-SU-214	Wetland
	Summit	37.4	37.5	480.8	75	ID,FW,OL,OW	AWB-SU-205	Wetland
	Summit	37.7	37.7	88.6	75	FW	AWB-SU-205	Wetland
	Summit	37.9	38.0	191.9	75	FW	AWB-SU-204	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Summit	38.1	38.1	369.3	75	FW	AWB-SU-204	Wetland
	Summit	38.3	38.3	39.1	75	FW	AWB-SU-203	Wetland
	Summit	38.6	38.6	245.4	75	FW	AWB-SU-221	Wetland
	Summit	38.7	38.7	97.6	75	FW	AWB-SU-202	Wetland
	Summit	39.3	39.4	209.6	75	AG,OL,RE	AWB-SU-201	Wetland
	Summit	39.7	39.8	620.1	75	ID,FW,OL	A14-112	Wetland
	Summit	39.9	39.9	183.8	75	FW,OL,OW	A14-112/A14-112-S1-A	Wetland/Waterbody
	Summit	39.9	40.0	126.2	75	RE	N/A	Residential Structure
	Summit	40.0	40.2	730.9	75	FW,OL,OW	A14-112/A14-112-S1-B	Wetland/Waterbody
	Summit	40.3	40.5	1,386.4	75	ID,FW,OL,OW	AWB-SU-13	Wetland
	Summit	40.6	40.6	124.5	75	FW	AWB-SU-13	Wetland
	Summit	40.9	41.0	597.3	0	ID,FW,OL,OW	AS-SU-200	HDD e/
	Summit	40.9	41.0	361.6	75	AG,OL,OW	AS-SU-200	HDD
	Summit	40.9	41.0	101.1	75	AG,ID,OL	AS-SU-200	HDD
	Summit	41.5	41.5	339.0	75	AG,FW,RE	N/A	Public Road.
	Summit	41.8	42.0	1,286.4	75	FW,OL,OW	A14-122	Wetland
	Summit	42.6	42.6	188.8	75	OL,RE	AP-SU-19	Wetland
	Summit	43.6	43.6	123.9	75	OL,RE	N/A	Barn/ Garage
	Summit	43.7	43.7	80.9	75	OL	N/A	Residential Structure
	Summit	43.9	43.9	252.6	75	FW,OL,OW	AWB-SU-22	Wetland
	Summit	44.0	44.0	102.1	75	FW	AWB-SU-21	Wetland
	Summit	44.1	44.1	44.2	75	AG,OL,OW	AWB-SU-23	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Summit	45.1	45.2	533.8	75	FW	AWB-SU-24	Wetland
	Summit	45.3	45.3	461.2	75	FW,OL	B14-1	Wetland
	Summit	45.4	45.5	411.6	75	ID,OL	B14-1	Wetland
	Summit	45.6	45.6	118.5	75	FW	N/A	Paralel Stream
	Summit	45.7	45.7	253.9	75	FW	AWB-SU-27	Wetland
	Summit	45.8	45.8	67.8	75	FW	AWB-SU-28	Wetland
	Summit	46.4	46.5	197.0	75	FW,OW	AWB-SU-219/C15-27	Wetland
	Summit	47.8	48.4	3,140.8	0	AG,ID,FW,OL,OW,RE	AS-SU-200/C15-28-S1	HDD e/
	Summit	49.3	49.4	558.5	75	FW,OL	AWB-SU-43	Wetland
	Summit	49.4	49.5	297.4	50	ID,OL	N/A	Long Bore
	Summit	49.5	49.6	236.5	75	FW	AWB-SU-43	Wetland
	Summit	49.8	49.8	94.9	75	FW	A14-41	Wetland
	Summit	50.1	50.1	15.6	75	OL,OW	A14-42	Wetland
	Wayne	51.2	51.2	72.9	75	AG	A15-23	Wetland
	Wayne	51.5	51.5	197.9	75	FW,OW	A15-21	Wetland
	Wayne	51.6	51.6	84.6	75	FW,OW	A15-21	Wetland
	Wayne	52.6	52.6	96.4	75	OL	A14-124	Wetland
	Wayne	52.6	52.6	199.2	75	OL,OW	A14-124/A14-124-S1	Wetland/Waterbody
	Wayne	52.7	52.8	105.6	75	FW,OW	AWB-WE-201	Wetland
	Wayne	52.8	52.8	99.2	75	FW	AWB-WE-201	Wetland
	Wayne	54.0	54.1	425.8	50	FW,OL,RE	N/A	Residential Structures
	Wayne	54.9	54.9	157.6	75	FW,OL,OW	B15-47-S1	Waterbody

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Wayne	55.7	55.7	158.6	75	AG,ID,OL,OW,RE	B15-48	Wetland
	Medina	57.2	57.2	28.6	75	OL	B15-49	Wetland
	Medina	57.3	57.3	62.0	75	ID,OL	B15-49	Wetland
	Wayne	57.3	57.3	339.0	75	ID,OL	B15-50-S1	Waterbody
	Wayne	57.7	57.7	22.0	75	AG	B15-52	Wetland
	Medina	58.2	58.3	363.3	75	AG	C15-90	Wetland
	Medina	58.3	58.4	512.7	75	ID,FW,OL,OW	B14-7	Wetland
	Medina	58.9	59.0	274.4	75	AG	C15-91	Wetland
	Medina	59.8	59.9	105.5	75	OL,OW	B15-02	Wetland
	Medina	60.7	60.7	48.1	75	FW	A14-39-S1/A14-39	Wetland/Waterbody
	Medina	62.0	62.1	63.6	75	AG	AWB-ME-20	Wetland
	Medina	62.6	62.8	720.7	75	ID,OL	B15-23	Wetland
	Medina	62.8	62.8	140.8	75	OL,OW	B15-23	Wetland
	Medina	62.8	62.9	188.7	75	AG,FW,OW	B15-23	Wetland
	Medina	62.9	62.9	109.5	75	AG,OL	B15-23	Wetland
	Medina	62.9	63.0	256.9	75	OL	B15-23	Wetland
	Medina	63.2	63.2	234.4	0	AG,ID,OL	N/A	Long Bore e/
	Medina	64.6	64.6	83.2	75	AG	A14-114	Wetland
	Medina	66.0	66.0	315.8	0	AG,ID,OL,OW	AWB-ME-23	Wetland e/
	Medina	66.2	66.3	339.7	75	AG,FW,OW	B14-4/B14-4-S1	Wetland/Waterbody
	Medina	67.4	67.4	53.6	75	FW,OW	AWB-ME-27	Wetland
	Medina	67.6	67.6	113.3	75	FW,OW	AWB-ME-30	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Medina	67.7	67.8	401.0	75	FW	AWB-ME-31	Wetland
	Medina	67.8	67.9	123.7	75	FW	AWB-ME-32	Wetland
	Medina	68.1	68.1	67.6	75	FW,OW	AWB-ME-33	Wetland
	Medina	68.3	68.4	446.2	50	AG,ID,RE	N/A	Resident/Long Bore
	Medina	68.4	68.5	72.2	75	AG,FW	AWB-ME-35	Wetland
	Medina	68.5	68.5	193.9	75	AG,FW	AWB-ME-35	Wetland
	Medina	68.6	68.6	137.0	75	FW	AWB-ME-35	Wetland
	Medina	68.7	68.8	172.0	75	FW,OL	A15-3-S1/A15-3-S2	Waterbody
	Medina	69.1	69.1	57.6	50	ID,OL	C15-39	Wetland
	Medina	69.2	69.3	606.3	75	OL	C15-39	Wetland
	Medina	69.4	69.4	165.1	75	OL,OW	C15-40	Wetland
	Medina	69.8	69.9	40.2	75	FW,OL	C15-6-S1/C15-6-S2	Waterbody
	Medina	69.9	69.9	241.4	75	FW	C15-6-S1/C15-6-S2	Waterbody
	Medina	70.0	70.0	75.6	75	FW,OL	C15-6	Wetland
	Medina	70.2	70.2	145.5	75	OL	C15-7	Wetland
	Medina	70.4	70.7	1,943.2	75	OL	B15-27/C15-42	Wetland
	Medina	71.1	71.4	1,471.0	0	AG,FW,OW	A14-46-S1/C15-44-S1/AS-ME-50	HDD e/
	Medina	72.2	72.3	559.9	75	FW	C15-50	Wetland
	Medina	72.5	72.5	366.1	75	FW,OL	A14-48	Wetland
	Medina	72.6	72.7	59.8	75	RE	N/A	Barn
	Medina	72.8	72.8	28.7	75	ID,FW	AWB-ME-52	Wetland
	Medina	73.2	73.2	212.3	75	FW	C15-24-W7/C15-24-W8	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Medina	73.3	73.3	59.7	75	OL	C15-24-W7/C15-24-W8	Wetland
	Medina	73.3	73.3	18.1	75	OL	C15-24-W7/C15-24-W8	Wetland
	Medina	73.3	73.3	120.4	75	FW,OL,OW	C15-24-W7/C15-24-W8	Wetland
	Medina	73.4	73.4	81.4	75	OL	C15-24-W10	Wetland
	Medina	73.7	73.7	123.6	75	RE	AP-ME-57	Waterbody
	Medina	73.8	73.9	59.5	75	FW,OL,OW	AWB-ME-58	Wetland
	Medina	73.9	73.9	35.4	75	AG,FW	AWB-ME-58/C15-54	Wetland
	Medina	74.0	74.0	118.2	75	FW,OW	AWB-ME-58	Wetland
	Medina	75.4	75.5	97.6	75	AG,OL	AWB-ME-208	Wetland
	Medina	75.7	75.7	103.3	75	AG,FW	AWB-ME-206	Wetland
	Medina	75.8	75.8	83.4	75	FW,OW	AWB-ME-206	Wetland
	Medina	76.3	76.3	201.9	75	FW,OL,OW	AWB-ME-204	Wetland
	Medina	76.9	77.0	283.9	75	OL,OW	AWB-ME-202	Wetland
	Medina	77.4	77.5	268.5	75	AG,FW	AWB-ME-201	Wetland
	Medina	78.0	78.0	39.0	75	AG,OL	AWB-ME-90	Wetland
	Medina	78.3	78.3	28.3	75	OL	AWB-ME-95	Wetland
	Medina	80.4	80.5	482.8	75	AG,OL,OW	B15-15	Wetland
	Lorain	80.5	80.5	245.7	75	OL,OW	B15-15	Wetland
	Lorain	81.0	81.0	77.2	75	FW	C15-82	Wetland
	Lorain	82.6	82.6	39.1	75	OL	C15-83	Wetland
	Lorain	82.6	82.7	163.9	75	OL	A14-62	Wetland
	Lorain	82.8	82.8	214.1	75	AG,FW	A14-63	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Lorain	82.8	82.9	464.3	75	AG,FW	A14-63	Wetland
	Lorain	83.0	83.0	167.0	75	AG,FW	A14-63	Wetland
	Lorain	83.4	83.4	46.4	75	OL	C15-3	Wetland
	Lorain	83.4	83.4	59.8	75	FW	C15-2	Wetland
	Lorain	83.5	83.6	300.0	75	FW	A14-68	Wetland
	Lorain	83.6	83.8	1,062.0	75	FW,OL	A14-67	Wetland
	Lorain	84.3	84.4	338.3	75	FW,OW	A14-69/A14-69-S4	Wetland/Waterbody
	Lorain	84.5	84.5	36.7	75	OL	A15-30	Wetland
	Lorain	84.9	85.0	76.7	75	AG	A15-51	Wetland
	Lorain	85.0	85.0	136.7	75	AG,FW	A14-71	Wetland
	Lorain	85.1	85.1	265.6	75	FW,OL	A14-71	Wetland
	Lorain	85.8	85.8	114.7	75	FW,OW	AWB-LO-10	Wetland
	Lorain	86.0	86.0	87.4	75	AG,OL	AWB-LO-10	Wetland
	Lorain	86.6	86.9	1,482.1	0	AG,FW,OL,OW	A14-50-S1	HDD e/
	Lorain	88.6	88.8	593.6	75	FW	A14-73	Wetland
	Lorain	90.2	90.2	89.9	75	OL,OW	A14-76-S1/A14-76	Wetland/Waterbody
	Lorain	90.7	90.9	1,212.2	75	FW,OL	AWB-LO-15/A14-131	Wetland
	Lorain	91.3	91.4	53.4	75	FW,OL	C15-37	Wetland
	Lorain	91.4	91.4	12.7	90	AG,FW	N/A	Lorain County Metro Park Tract (Tract OH-LO-071.0010)
	Lorain	92.3	92.4	799.5	0	AG,ID,FW,OL,OW	C15-8-S3/C15-8-S4/C15-8-S2	HDD e/
	Lorain	92.3	92.4	360.4	50	AG,ID	C15-8-S3/C15-8-S4/C15-8-S2	HDD

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Lorain	92.3	92.4	229.5	50	AG,FW,OL,OW	C15-8-S3/C15-8-S4/C15-8-S2	HDD
	Lorain	92.6	92.6	162.1	75	OL,OW	C15-9/C15-9-S1	Wetland/Waterbody
	Lorain	94.3	94.3	50.2	75	FW	A14-178	Wetland
	Lorain	94.7	94.7	69.4	75	AG	B15-57	Wetland
	Lorain	95.4	95.4	54.8	75	AG	A14-181	Wetland
	Lorain	95.6	95.8	681.0	75	AG,OL	A14-182	Wetland
	Lorain	96.1	96.3	1,205.8	75	AG,FW,OW	A14-141-S1/A14-141/C15-58	Wetland/Waterbody
	Lorain	97.3	97.3	44.5	75	AG,FW,OW	C15-57	Wetland
	Lorain	100.1	100.2	112.1	75	AG	C15-63	Wetland
	Lorain	100.5	100.5	50.7	75	FW	AWB-LO-200	Wetland
	Lorain	100.8	101.0	1,054.7	75	AG,OL	AWB-LO-201	Wetland
	Huron	101.9	101.9	171.7	75	FW,OL	AWB-HU-201	Wetland
	Huron	102.3	102.3	175.8	75	AG,FW	AWB-HU-202/AWB-ER-202	Wetland
	Huron	103.1	103.1	79.4	75	AG	AWB-HU-203	Wetland
	Huron	104.2	104.6	2,426.9	0	AG,ID,FW,OL,OW	C15-56-S4A/C15-56-S4b/C15-56-S4/C15-56-S1	HDD e/
	Huron	104.2	104.6	233.8	50	AG	C15-56-S4A/C15-56-S4b/C15-56-S4/C15-56-S1	HDD
	Erie	105.8	105.9	247.2	75	ID,OL	C15-70	Wetland
	Erie	106.4	106.6	1,421.9	75	FW	C15-10/AWB-ER-210	Wetland
	Erie	106.8	106.8	281.3	75	FW	C15-10	Wetland
	Erie	109.4	109.4	173.2	75	FW	AWB-ER-43	Wetland
	Erie	109.8	109.8	41.7	75	AG,FW	B15-05	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Erie	110.2	110.3	310.9	0	AG,ID,OL	N/A	HDD e/
	Erie	111.7	111.7	38.8	75	FW	B15-38	Wetland
	Erie	112.1	112.1	208.1	50	ID,FW	N/A	Long Bore
	Erie	112.8	112.8	28.6	75	AG,OL	A14-154	Wetland
	Erie	113.0	113.0	69.0	75	FW,RE	AWB-ER-35	Wetland
	Erie	113.2	113.3	455.8	75	FW	A14-188	Wetland
	Erie	113.8	113.9	341.1	75	FW,OW	AWB-ER-12	Wetland
	Erie	114.2	114.3	143.2	75	FW,OL,OW	B15-07/B15-07-S1	Wetland/Waterbody
	Erie	114.5	114.5	149.0	75	FW,OL	B15-08	Wetland
	Erie	115.4	115.4	76.8	75	FW,OW	C15-14	Wetland
	Erie	116.5	116.5	149.3	75	FW,OL	A14-156	Wetland
	Erie	116.9	117.2	1,897.2	0	AG,ID,FW,OL,OW	A14-186-S1/AS-ER-19	HDD e/
	Erie	116.9	117.2	207.0	50	AG,FW	A14-186-S1/AS-ER-19	HDD
	Erie	116.9	117.2	130.1	50	AG,ID	A14-186-S1/AS-ER-19	HDD
	Erie	118.2	118.3	390.1	75	OL	C15-19	Wetland
	Erie	120.4	120.4	45.5	75	ID,OL	C15-22-W2	Wetland
	Erie	120.5	120.5	68.8	75	ID,OL	C15-75/C15-76	Wetland
	Erie	120.9	120.9	47.6	75	AG,OL,OW	B15-12	Wetland
	Erie	123.6	123.6	42.9	75	OL	C15-80	Wetland
	Sandusky	132.7	132.7	240.0	0	AG,ID,OL	N/A	Long Bore e/
	Sandusky	133.3	133.4	39.2	75	ID,OL	B15-14	Wetland
	Sandusky	138.3	138.4	360.0	75	FW	E14-163	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Sandusky	138.6	138.6	230.4	75	OL	D14-9/D14-9-S1	Wetland/Waterbody
	Sandusky	139.1	139.1	26.1	75	OL	D14-10	Wetland
	Sandusky	139.3	139.3	53.4	75	AG	D15-71	Wetland
	Sandusky	139.8	139.8	123.7	75	AG,FW	D15-69	Wetland
	Sandusky	141.6	141.6	211.0	75	AG,OL	D15-32	Wetland
	Sandusky	143.3	143.3	15.4	0	AG,OL	D15-47-S1	Waterbody e/
	Sandusky	144.8	144.8	242.5	0	AG,ID,OL	N/A	Long Bore e/
	Sandusky	145.8	146.1	1,642.4	0	AG,FW,OL,OW,RE	AS-SA-204	HDD e/
	Sandusky	145.8	146.1	190.0	50	AG,OL	AS-SA-204	HDD
	Sandusky	146.1	146.2	85.4	75	AG	D15-102	Wetland
	Sandusky	146.2	146.2	120.8	75	OL	D15-104	Wetland
	Sandusky	146.3	146.4	414.8	75	AG,OL,OW	D15-104	Wetland
	Sandusky	147.2	147.2	215.0	0	ID,OL	AWB-SA-210	Wetland e/
	Sandusky	151.1	151.1	37.1	75	AG,OL	D14-37	Wetland
	Sandusky	152.2	152.3	171.8	75	FW	D15-58/D15-59	Wetland
	Sandusky	153.4	153.4	80.8	75	FW,OL,OW	E14-43-S1/E14-43	Wetland/Waterbody
	Sandusky	154.2	154.2	73.9	0	ID	N/A	Long Bore e/
	Sandusky	156.3	156.4	108.3	75	FW	D15-70	Wetland
	Sandusky	157.3	157.5	1,092.2	75	FW,OL	D14-41	Wetland
	Sandusky	157.9	158.0	259.4	75	FW	E14-122	Wetland
	Sandusky	158.1	158.2	472.8	75	ID,FW	D14-42/E14-123/E14-124	Wetland
	Sandusky	158.6	158.6	117.3	75	OL	D14-25/D14-25-S1	Wetland/Waterbody

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Sandusky	162.5	162.6	677.2	50	AG,ID,FW	D15-26-S1	HDD
	Sandusky	162.5	162.6	181.0	0	FW,OW	D15-26-S1	HDD e/
	Sandusky	162.9	163.0	698.2	75	FW,RE	E14-33	Wetland
	Sandusky	163.3	163.4	554.4	75	FW	E14-34	Wetland
	Sandusky	163.5	163.5	286.1	75	AG,FW	E14-34	Wetland
	Sandusky	163.7	163.7	25.2	75	OL,OW	D14-38	Wetland
	Wood	165.5	165.5	28.6	75	AG	D15-73	Wetland
	Wood	165.7	165.7	245.1	75	AG,FW	E14-84	Wetland
	Wood	166.2	166.3	655.7	75	FW	E14-154	Wetland
	Wood	166.5	166.8	1,117.0	75	AG,FW	E14-152	Wetland
	Wood	166.8	166.8	55.9	75	ID	AWB-WO-203	Wetland
	Wood	170.0	170.2	574.3	75	FW	E14-52	Wetland
	Wood	172.6	172.6	27.2	75	AG	D15-72	Wetland
	Wood	173.8	173.9	460.3	75	OL	E15-6	Wetland
	Wood	175.1	175.2	293.0	0	AG,ID,OL	N/A	Long Bore e/
	Wood	179.9	180.1	1,009.3	0	AG,ID,FW,OW	D15-101-S1/E15-8-S1/D15-99-S1	HDD e/
	Wood	179.9	180.1	315.0	50	AG	D15-101-S1/E15-8-S1/D15-99-S1	HDD
	Wood	180.7	180.7	121.0	75	FW,OW	E14-46	Wetland
	Wood	181.2	181.4	762.8	50	AG,ID,FW	E14-55-S1/AS-LU-1A	HDD
	Wood	181.2	181.4	470.1	0	FW,OW	E14-55-S1/AS-LU-1A	HDD e/
	Lucas	181.5	181.9	2,434.8	0	AG,ID,FW,OL,OW	E14-55-S1/AS-LU-1A	HDD e/
	Lucas	183.3	183.4	305.8	0	AG,ID,OL,OW	AWB-LU-14/AS-LU-2	Wetland/Waterbody e/

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Lucas	187.8	187.9	150.8	75	AG,ID,OL	N/A	Tract OH-LC-055.0010
	Lucas	187.9	187.9	84.7	95	AG	E15-10	Wetland
	Lucas	189.0	189.1	427.9	75	AG,FW	D15-4	Wetland
	Lucas	189.1	189.2	339.1	75	AG,OL	D15-5	Wetland
	Henry	189.3	189.4	356.7	75	AG,OL,RE	E15-27/AWB-HE-1	Wetland
	Henry	189.4	189.4	56.6	75	AG	E15-28	Wetland
	Henry	190.0	190.0	340.3	75	FW	D15-53/D15-7	Wetland
	Henry	190.1	190.2	700.8	75	AG,OL,OW	D15-53/D15-7	Wetland
	Fulton	191.5	191.5	45.7	75	AG	D15-14	Wetland
	Fulton	191.6	191.6	147.2	75	AG	D15-15	Wetland
	Fulton	193.3	193.3	154.0	75	FW	D15-94	Wetland
	Fulton	196.6	196.6	157.6	75	AG	D15-18	Wetland
	Fulton	197.8	197.9	119.7	50	AG,ID,OL,OW	D15-60A-S1/D15-85	Wetland/Waterbody
	Fulton	198.8	198.9	108.1	75	AG	D15-11	Wetland
	Fulton	199.0	199.1	268.2	0	AG,ID,OL,OW	D15-13-S1	Waterbody e/
	Fulton	202.1	202.1	80.0	75	AG	D15-13-S1	Wetland
Michigan								
Mainline								
	Lenawee	215.2	215.3	612.2	0	AG,FW,OW	E14-140-S1	HDD e/
	Lenawee	215.2	215.3	431.3	50	AG,ID,OL,OW	E14-140-S1	HDD
	Monroe	230.5	230.5	51.7	75	AG,OL	E14-62	Wetland
	Monroe	236.0	236.0	273.3	75	AG,FW,OW	AS-MO-4/AWB-ME-4/AWB-MO-4	Wetland/Waterbody

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Washtenaw	237.5	237.6	536.4	0	AG,FW,OW	E14-157-S1	HDD e/
	Washtenaw	237.5	237.6	132.9	50	ID,FW,OW	E14-157-S1	HDD
	Washtenaw	237.6	237.7	364.2	50	AG	E14-157-S1	HDD
	Washtenaw	239.6	239.6	301.9	0	AG,ID,OL	AWB-WA-205	Wetland e/
	Washtenaw	244.2	244.3	351.7	75	FW	E14-135	Wetland
	Washtenaw	244.3	244.3	218.2	75	FW	E14-135	Wetland
	Washtenaw	244.5	244.7	732.5	75	AG,FW	E15-11	Wetland
	Washtenaw	245.2	245.3	236.3	75	ID,OL	E14-167	Wetland
	Washtenaw	246.2	246.3	116.3	75	AG	E14-164/AS-WA-6	Wetland/Waterbody
	Washtenaw	249.1	249.1	36.6	75	OL	D15-39	Wetland
	Washtenaw	249.2	249.4	691.9	75	FW,OL	E14-155	Wetland
	Washtenaw	249.4	249.4	118.3	75	OL	E14-156	Wetland
	Washtenaw	249.6	249.6	46.9	75	ID,OL	N/A	Railway
	Washtenaw	249.7	249.9	948.4	75	ID,FW,OL	E14-168	Wetland
	Washtenaw	250.4	250.5	241.3	75	FW	D15-78	Wetland
	Washtenaw	250.7	251.1	1,948.0	0	ID,FW,OL,OW	D15-21-S1	HDD e/
	Washtenaw	251.2	251.2	159.8	75	FW,OL	D15-23	Wetland
	Washtenaw	251.7	251.7	472.9	0	ID,OL	N/A	HDD e/
	Washtenaw	252.0	252.2	734.5	75	ID,FW	N/A	Salvage Yard
	Washtenaw	253.4	253.4	15.2	75	FW,OW	E15-25/E15-25-S1	Wetland/Waterbody
	Wayne	254.5	254.6	203.2	0	ID,OL	AWB-WY-202	Wetland e/
	Wayne	254.5	254.6	134.4	75	ID,FW,OL	AWB-WY-203	Wetland

TABLE 8.3-4

Locations along the NEXUS Project Pipeline Where Nominal ROW is Greater than or Narrower than 100 Feet

State, Facility	County	Start Milepost a/	End Milepost a/	Normal Dimensions (feet) b/		Existing Land Use c/	Wetland or Waterbody d/	Justification
				Length	Width			
	Wayne	254.7	254.7	57.3	75	FW	AWB-WY-204	Wetland
	Wayne	254.8	254.8	90.3	75	FW	AWB-WY-204	Wetland

Note: N/A = Not applicable
a/ Approximate milepost along the pipeline rounded to the nearest tenth of a mile.
b/ Dimensions for ATWS and TWS areas are approximate. For irregularly shaped ATWS or TWS, the approximate dimensions of two of the sides are presented.
c/ OL = Open Land (non-agricultural), AG = Agricultural, FW = Forested/Woodland, ID = Industrial/Commercial, RE = Residential, OW = Open Water.
d/ NEXUS has requested a deviation from the FERC's Procedures in Resource Report 1 for the areas identified within 50 feet of a wetland or waterbody.
e/ Construction workspace is not continuous between bore pits for this location.

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
Ohio									
Mainline									
	Columbiana	2.00	2.01	Lincoln Highway Historic Byway (OH-9/US-30)	ODOT	62	0.20	0.07	Inside
	Columbiana	3.49	3.51	North Country Trail	Private Landowners / NPS	58	0.27	0.07	Inside
	Columbiana	8.02	8.02	Statewide Bike Routes- J	Various county, city, or township offices	HDD	HDD	HDD (0.03 in permanent ROW)	Inside
	Stark	N/A	N/A	Stark Farmland Trail (proposed)	Stark County Park District	N/A	N/A	N/A	759.76' West from MP 14.8
	Stark	16.27	16.28	Stark Farmland Trail (proposed)	Stark County Park District	21	0.06	0.02	Inside
	Stark	17.03	17.03	Iron Horse Trail	Stark County Park District	20	0.05	0.02	Inside
	Stark	18.33	18.34	Statewide Bike Routes; Stark Electric Railway Trail	Various county, city, or township offices; Stark County Park District	21	0.06	0.02	Inside
	Stark	N/A	N/A	Sportsman's Rod and Gun Club	Private Landowners	N/A	N/A	N/A	112.46' South from MP 25.38
	Stark	N/A	N/A	Statewide Bike Route	Various county, city, or township offices	N/A	N/A	N/A	987.90' Southwest from MP 27.26
	Stark	27.21	27.21	Upper Middle Branch Trail (proposed)	Stark County Park District	20	0.06	0.02	Inside
	Stark	N/A	N/A	Lake O' Pines Park	Private Landowners	N/A	N/A	N/A	881.12' North from MP 30.23
	Stark	32.98	32.98	Buckeye Trail	Private Landowners	20	0.06	0.02	Inside
	Summit, Stark	33.44	35.40	Ohio & Erie Canalway National Heritage Area	Private Ownership / NPS	10,349	34.86	11.75	Inside
	Stark	34.00	34.00	Buckeye Trail	Private Landowners	20	0.07	0.02	Inside
	Summit	34.32	34.33	Cuyahoga Valley Scenic Railroad	Metro Regional Transit Authority	20	0.03	0.02	Inside

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Summit	35.29	35.44	Ariss Park	City of Green	807	3.05	0.91	Inside
	Summit	35.52	35.62	Ariss Park	City of Green	557	1.73	0.63	Inside
	Summit	N/A	N/A	Green Youth Sports Complex	City of Green	N/A	N/A	N/A	699.32' East from MP 36.81
	Summit	37.10	37.11	Greensburg Park	City of Green	11	0.02	0.02	Inside
	Summit	N/A	N/A	Boettler Park and Southgate Park	City of Green	N/A	N/A	N/A	311.34' Southeast from MP 38.04
	Summit	N/A	N/A	Singer Lake Preserve	Cleveland Museum of Natural History	N/A	N/A	N/A	1158.17' South from MP 38.19
	Summit	38.76	38.97	Singer Lake Preserve	Cleveland Museum of Natural History	1,120	4.17	1.27	Inside
	Summit	N/A	N/A	Camp Y-NOAH (YMCA)	Private Landowners	N/A	N/A	N/A	941.57' South from MP 40.91
	Summit	40.86	41.02	Portage Lakes State Park	State of Ohio	HDD	HDD (0.14 in additional temporary workspace)	HDD (0.90 in permanent ROW)	Inside
	Summit	41.02	41.03	Buckeye Trail	Private Landowners	20	0.05	0.02	Inside
	Summit	41.46	49.59	Ohio & Erie Canalway National Heritage Area	Private Ownership / NPS	42,900	126.40	50.16	Inside
	Summit	41.55	41.70	Portage Lakes State Park	State of Ohio	814	2.55	0.94	Inside
	Summit	47.92	47.93	Ohio to Erie Trail, Buckeye Trail; Ohio & Erie Canalway America's Byway	Private Landowners; FHWA	HDD	HDD	HDD (0.03 in permanent ROW)	Inside
	Summit	48.16	48.17	Ohio & Erie Canal Towpath Trail (named Ralph Regula Towpath Trail in this area)	Private Landowners / NPS	HDD	HDD	HDD (0.03 in permanent ROW)	Inside
	Summit	N/A	N/A	Spring Hills Golf and Tennis Club	Private Landowners	N/A	N/A	N/A	310.57' South from MP 49.32
	Wayne	N/A	N/A	Doylestown Park	Village of Doylestown	N/A	N/A	N/A	1054.18' South from MP 53.38

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Medina	N/A	N/A	Romeyn Recreational Enterprises Inc.	Private Landowners	N/A	N/A	N/A	574.60' West from MP 65.1
	Medina	68.25	68.26	State Wide Bike Route- C	Various county, city or township offices	25	0.05	0.03	Inside
	Medina	68.81	68.83	Chippewa Rail Trail	Medina County Park District	72	0.17	0.08	Inside
	Medina	68.87	69.03	Western Reserve Land Conservancy, Medina	Medina County Park District / Western Reserve Land Conservancy	874	2.58	1.00	Inside
	Medina	N/A	N/A	Medina Country Club	Private Landowners	N/A	N/A	N/A	917.68' Northeast from MP 68.96
	Medina	69.03	69.07	Chippewa Lake Nature Area	Medina County Park District	209	0.86	0.24	Inside
	Medina	69.09	69.32	Chippewa Lake Nature Area	Medina County Park District	1,220	3.52	1.38	Inside
	Medina	69.51	69.94	Chippewa Lake Nature Area	Medina County Park District	2,280	7.94	2.64	Inside
	Medina	70.36	70.77	Chippewa Lake Nature Area	Medina County Park District	2,173	5.17	2.50	Inside
	Medina	70.78	70.78	Chippewa Inlet Trail	Medina County Park District	12	0.03	0.01	Inside
	Medina	71.13	71.26	Buckeye Woods Park	Medina County Park District	HDD	HDD	HDD (0.79 in permanent ROW)	Inside
	Medina	77.96	77.96	Buckeye Trail	Private Landowners	25	0.06	0.03	Inside
	Lorain	N/A	N/A	Gordon Blackhall Memorial Range	Private Landowners	N/A	N/A	N/A	966.31' Southwest from MP 81.24
	Lorain	83.90	84.36	Western Reserve Land Conservancy	Private Ownership / Western Reserve Land Conservancy	2,424	7.46	2.78	Inside
	Lorain	N/A	N/A	Midview Soccer League Complex	Lorain County Metro Park District	N/A	N/A	N/A	213.11 South from MP 85.95
	Lorain	N/A	N/A	Indian Hollow Reservation and Sheldon Woods	Lorain County Metro Park District	N/A	N/A	N/A	537.18' North from MP 87.73
	Lorain	N/A	N/A	Carlisle Preservation	Lorain County Metro Park District	NA	NA	NA	0' West from MP 91.4

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Lorain	N/A	N/A	Oberlin Recreational Complex	City of Oberlin	N/A	N/A	N/A	369.19' North from MP 94.6
	Lorain	95.38	95.63	Western Reserve Land Conservancy (also encompasses Black Swamp Woods)	Western Reserve Land Conservancy / Private Landowners	1,318	4.1 (0.06 acres coincides with Black Swamp Woods)	1.50	Inside
	Lorain	96.31	96.31	Amherst-Wellington Connector	Private / Lake Shore Railway Assoc., Inc.	27	0.06	0.03	Inside
	Lorain	98.10	98.11	North Coast Inland Trail	Lorain County Metro Park District	66	0.15	0.08	Inside
	Erie	N/A	N/A	Western Reserve Land Conservancy	Private Landowners	N/A	N/A	N/A	229.97' East from MP 110.1
	Erie	110.23	110.23	Statewide Bike Route- N	Various county, city or township offices	HDD	HDD	HDD (0.02 in permanent ROW)	Inside
	Erie	112.05	112.07	Edison Woods Preserve	Erie County Metro Parks Board	130	0.17	0.17	Inside
	Erie	116.27	116.27	Statewide Bike Routes N-CP	Various county, city or township offices	21	0.06	0.02	Inside
	Erie	118.51	118.78	Erie County Conservation League	Erie County Conservation League	1,447	4.56	1.66	Inside
	Erie	128.81	128.81	Statewide Bike Route N-CP	Various county, city or township offices	20	0.05	0.02	Inside
	Sandusky	N/A	N/A	Wildlife Habitat Restoration Program Murray, P.	State of Ohio	N/A	N/A	N/A	530.32' North from MP 144.2
	Sandusky	151.24	151.26	North Coast Inland Trail	Sandusky County Park District	106	0.18	0.12	Inside
	Sandusky	151.72	151.72	Buckeye Trail	Private Landowners	20	0.06	0.02	Inside

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Sandusky	153.23	153.44	Creek Bend Farm	Sandusky County Park District	1,113	2.97	1.28	Inside
	Sandusky	N/A	N/A	Black Swamp Conservancy, Placemark	Private Landowners	N/A	N/A	N/A	438.40' North from MP 153.78
	Sandusky	N/A	N/A	Black Swamp Conservancy, CBR Farms	Private Landowners	N/A	N/A	N/A	428.60' North from MP 154.19
	Sandusky	N/A	N/A	Black Swamp Conservancy, Toledo Alfalfa Mills	Private Landowners	N/A	N/A	N/A	0' North from MP 155.6
	Sandusky	N/A	N/A	Black Swamp Conservancy, Chet Mauch Farm	Private Landowners	N/A	N/A	N/A	49.39' South from MP 156.56
	Sandusky	162.38	162.39	Buckeye Trail	Private Landowners	HDD	HDD	HDD (0.03 in permanent ROW)	Inside
	Wood	N/A	N/A	Tanglewood Golf Course	Private Landowners	N/A	N/A	N/A	724.09' North from MP 173.17
	Wood	177.30	177.30	Perrysburg-Bowling Green Connector (proposed)	Private Landowners	20	0.05	0.02	Inside
	Wood	178.06	178.06	Statewide Bike Route E	Various county, city or township offices	20	0.05	0.02	Inside
	Wood	179.93	179.93	Buckeye Trail	Private Landowners	HDD	HDD	HDD (0.02 in permanent ROW)	Inside
	Wood	180.83	180.84	Riverby Hills Golf Club	Private Landowners	0	0.06	0.01	Inside
	Wood	181.22	181.23	Maumee Valley Scenic Byway (West River Road)	ODOT	HDD	HDD	HDD (0.06 in permanent ROW)	Inside
	Wood / Lucas	181.37	181.50	Maumee Scenic River	State Designation as Scenic and Recreational	HDD	HDD	HDD (0.81 in permanent ROW)	Inside
	Lucas	181.50	181.65	Missionary Island Wildlife Area	State of Ohio	HDD	HDD	HDD (0.63 in permanent ROW)	Inside
	Lucas	181.65	181.75	Maumee Scenic River	State designation as Scenic and Recreational	HDD	HDD	HDD (1.62 in permanent ROW)	Inside

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Lucas	181.73	181.76	Farnsworth Metropark Towpath; Towpath Trail (County) and Buckeye Trail (Private)	Toledo County Metro Park; Lucas County / Private	HDD	HDD	HDD (0.18 in permanent ROW)	Inside
	Lucas	181.77	181.78	Maumee Valley Scenic Byway (South River Road)	ODOT	HDD	HDD	HDD (0.00 in permanent ROW)	Inside
	Lucas	183.13	183.13	Statewide Trail A	Various county, city or township offices	20	0.06	0.02	Inside
	Lucas	184.24	184.25	Blue Creek Corridor	Private Landowners	26	0.08	0.03	Inside
	Henry	N/A	N/A	Maumee State Forest	ODNR	N/A	N/A	N/A	817.23' South from MP 189.31
	Henry	N/A	N/A	Maumee State Forest	ODNR	N/A	N/A	N/A	731.24' Southwest from MP 189.95
	Henry	189.96	189.97	North Country Trail; Wabash Cannonball Trail	NPS; North-Western Ohio Rails To Trails Association, Inc.	31	0.11	0.04	Inside
	Henry	189.97	190.21	The Nature Conservancy	The Nature Conservancy	1,265	3.78	1.44	Inside
	Fulton	190.22	190.47	The Nature Conservancy	The Nature Conservancy	1,353	5.06	1.58	Inside
	Fulton	N/A	N/A	White Pine Golf Course	Private Landowners	N/A	N/A	N/A	236.64' East from MP 190.54
	Fulton	N/A	N/A	Maumee State Forest	ODNR	N/A	N/A	N/A	415.74' Northeast from MP 191.74
	Fulton	N/A	N/A	Maumee State Forest	ODNR	N/A	N/A	N/A	695.60' East from MP 192.78
	Fulton	193.27	193.73	Maumee State Forest	ODNR	2,412	4.74	2.77	Inside
	Fulton	N/A	N/A	Maumee State Forest	ODNR	N/A	N/A	N/A	634.23' East from MP 193.29
	Fulton	195.86	195.86	North Country Trail; Wabash Cannonball Trail	NPS; North-Western Ohio Rails To Trails Association, Inc.	20	0.05	0.02	Inside

TABLE 8.4-1

Public Land and Designated Recreation, Scenic, or Other Areas Crossed by or within 0.25-mile of the NEXUS Project

State, Facility	County	Enter MP	Exit MP	Name of Area	Land Ownership / Land Management	Crossing Length (ft.)	Acreage Affected by Construction		Distance and Direction From Nearest Point Along Construction Work Area
							Temporary	Permanent	
	Fulton	N/A	N/A	Fulton Pond Wildlife Area	State of Ohio	N/A	N/A	N/A	4.55' East from MP 198.81
Michigan									
Mainline									
	Washtenaw	N/A	N/A	Draper-Houston Meadows Preserve & Nature Park	Washtenaw County Parks and Recreation	N/A	N/A	N/A	47.08' East from MP 237.44
	Washtenaw	250.30	250.30	South Hydro Park	Charter Twp of Ypsilanti	0	0.44	0.00	Inside
	Washtenaw	250.91	251.06	North Hydro Park	Charter Twp of Ypsilanti	HDD	HDD	HDD (0.90 in permanent ROW)	Inside
	Washtenaw	251.21	251.40	The Ponds at Lakeshore Disc Golf Course	Private Landowners	953	3.07	1.08	Inside
Above Ground Facilities									
Ohio									
Hanoverton Compressor Station (CS-1)									
	Columbiana	N/A	N/A	Lincoln Highway Historic Byway	ODOT	0	0.00	0.00	1,039.21' Northwest from CS boundary
MR05 (Dominion East Ohio)									
	Erie	N/A	N/A	Statewide Bike Route N-CP	Various county, city, or township offices	0	0.00	0.00	66.24' East from MR boundary
Waterville Compressor Station (CS-4)									
	Lucas	N/A	N/A	Statewide Trail A	Private Landowners	0	0.00	0.00	529.04' East from CS boundary

Note: N/A = Not applicable

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
Ohio									
104, 145	Columbiana	1.9	Dalonzos Italian Restaurant	29835 St Rt 30, Hanoverton	486	ARCHIVE UST, LUST, UST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
98-100, 143	Columbiana	13.2	NR	16130 Bowman St NE, Homeworth	181	EDR US Hist Cleaners	NRR	Historic use of chlorinated solvents	No further review at this time
98-100, 143	Stark	13.2	Seth Dehoff	16133 Bowman St, Homeworth	39	NPDES	NRR	No impact based on status	No further review at this time
97, 140	Stark	18.3	Joshua Faverty	12130 Easton St NE, Alliance	48	NPDES	NRR	No impact based on status	No further review at this time
97, 141	Stark	18.6	Kountry Korner Market	12044 Easton St, Maximo	767	LUST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
97, 142	Stark	18.7	Landmark Inc	7155 Millway NE, Maximo	1,175	LUST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
90, 124	Stark/ Summit	32.7	Burrells Automotive / Greentown Auto Care	10177 Cleveland Ave, Uniontown	631	EDR US Hist Auto Stat, LUST, RCRA NonGen / NLR	Inactive	Historic use and storage of petroleum Release on an unknown date, unknown amount of unknown chemical	No further review at this time
90, 121	Stark	33.3	Pie Trucking	11015 Cleveland Ave, Canton	856	LUST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
89, 130	Summit	36.2	Scott E H	2712 Greensburg Rd, Akron	1,188	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
89, 125	Summit	36.4	Contract Freighters	2575 Greensburg St, Green	4	SPILLS	NR	Release on 12/18/2002, unknown amount of diesel	Obtain/review files if available; release within 100' of pipeline, unknown quantity, and unknown media impacted (i.e. soil or groundwater).
89, 128	Summit	36.4	Goodyear Tire and Rubber	2575 Greensburg Rd, Canton	1,088	RCRA NonGen / NLR	NRR	No impact based on status	No further review at this time
89, 127	Summit	36.8	Advantage Tank Lines Inc / North Canton Transfer Co	2515 Greensburg Rd, North Canton	777	LUST, UST, ARCHIVE UST, NPDES	Inactive	Release on 2/12/2007, unknown amount of an unknown chemical	No further review at this time
89, 134	Summit	37.4	Country View Apartment Complex	5001 Massillon Rd, Green	50	SPILLS	NR	Release on 3/18/2005, unknown amount of crude oil	Obtain/review files if available; release within 100' of pipeline, unknown quantity, and unknown media impacted (i.e. soil or groundwater).
88, 137	Summit	41.8	Mathie Allen	190 E Comet Rd, Akron	940	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
88, 136	Summit	42.1	B-Sharp Property Maintenance	6161 S Main St, Clinton	420	SWF/LF	Active	Composting facility	No further review at this time
88, 139	Summit	42.1	Ross J L	6223 S Main, Akron	1,079-1,118	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
88, 132	Summit	42.2	Dominion East Ohio - Shoop Station	5911 S Main St, Green Twp	1,001	RCRA-SQG	NRR	No impact based on status	No further review at this time
88, 131	Summit	42.7	BP Oil Co/ Manchester Trash	307 Yager Rd, Franklin Twp	634	ARCHIVE UST, LUST, UST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
88, 133	Summit	43.6	NR	6612 Manchester Rd, Clinton	318	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
83, 117	Wayne	53.3	Doylestown Village of BPA	10 Hilltop Dr, Doylestown	1,034	AST	NRR	No impact based on status	No further review at this time
82, 114	Wayne	58.5	NR	2471 Wall Rd, Rittman	897	EDR US Hist Cleaners	NRR	Historic use of chlorinated solvents	No further review at this time
79, 113	Medina	65.9	NR	4473 Good Rd, Seville	119	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
79, 111	Medina	66.7	NR	7100 Wooster Pk, Medina	1,156	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
79, 112	Medina	66.7	Medina Firearms Service	7222 Wooster Pk, Medina	395	ARCHIVE UST, LUST, UST, EDR US Hist Auto Stat	Inactive	Release on 10/08/1992, unknown amount of an unknown chemical Historic use and storage of petroleum	No further review at this time
76, 109	Medina	70.4	Medina Co Home	6144 Wedgewood Rd, Lafayette	1,318	LUST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
74, 108	Medina	79.0	Don Dobson	3157 Erhart Rd, Litchfield	404	ARCHIVE UST, UST	NRR	No impact based on status	No further review at this time
73, 107	Lorain	81.2	Steve Shanno	35068 Neff Rd, Grafton	40	ERNS, SPILLS	Unknown	Release on an unknown date, unknown amount of unknown chemical	Obtain/review files if available; release within 100' of pipeline, unknown quantity, and unknown media impacted (i.e. soil or groundwater).
72, 106	Lorain	82.8	Showroom Auto Body	17835 Re 83, Grafton	1,182	RCRA-CESQG, FINDS, NY MANIFEST	NRR	No impact based on status	No further review at this time
70, 104	Lorain	94.7	Gary's Body Shop	14301 Rt 58 S, Oberlin	1,208	FINDS, RCRA-SQG, NY MANIFEST	NRR	No impact based on status	No further review at this time
68, 103	Huron	102.4	Harold Dalton	5073 Butler Rd, Wakeman	218	ARCHIVE UST, LUST, UST	Inactive	Release on 6/1/1981 of an unknown amount of diesel during tank removal	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
62, 100	Erie	108.9	Harris Brothers Stone Company	NR	550	US MINES	Abandoned	Mined crushed/broken sandstone until 8/15/1980	No further review at this time
61-62, 98	Erie	110.2	AT&T	8303 Main Rd, Berlin Heights	346	ARCHIVE UST, LUST, UST	Inactive	Two releases: 1) Release on 02/21/1991 of an unknown amount during removal of 2,000-gallon gasoline tank 2) Release on 03/25/1993 of an unknown amount of an unknown chemical	No further review at this time
60, 95	Erie	116.7	Park Avery General Store Inc	104 Mason Rd, Milan	587	ARCHIVE UST, LUST, UST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
60, 93	Erie	117.2	Ohio Edison	10503 Mud Brook Rd, Milan	18	SPILLS	Unknown	On 10/09/1990, release of an unknown amount of PCBs	Obtain/review files if available; release within 100' of pipeline, unknown quantity, and unknown media impacted (i.e. soil or groundwater).
53-60, 92	Erie	119.2	Circle K #5259	11005 Huron Avery Rd, Milan Twp	444	ARCHIVE UST, UST	NRR	No impact based on status	No further review at this time
53-60, 92	Erie	119.2	Stoneco Inc Avery Asphalt Plt No 40	10801 Huron Avery Rd, Milan	813	RCRA-SQG, FINDS	NRR	No impact based on status	No further review at this time
59, 96	Erie	120.4	88th Regional Support Command	1119 W Mason Rd, Milan	1,114	RCRA-CESQG	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
51, 87	Erie	128.4	Elyria Concrete Inc/Se Johnson	8802 Portland Rd, Castalia	920	FINDS, RCRA-CESQG, LUST	NRR	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
51, 89	Erie	128.5	Stoneco Fac Gerken Materials HMA Plant 10	9000 Portland Rd, Castalia	1,114	FINDS, RCRA-SQG	NRR	No impact based on status	No further review at this time
50, 85	Erie	130.8	Ohio Turnpike Commission Castalia Section	7201 SR 269, Bellevue	956	RCRA-CESQG	NRR	No impact based on status	No further review at this time
48, 82	Sandusky	138.9	Vickery Environmental Inc	3956 SR 412, Vickery	702	CERCLIS, CORRACTS, RCRA-TSDF, RCRA-LQG, CONSENT, ICIS, PADS, RAATS, PA MANIFEST, WI MANIFEST, NY MANIFEST, 202 COR ACTION, US FIN ASSUR, RCRA NonGen / NLR, FIONDS, US AIRS, DERR, UIC, SPILLS	Active	54 releases reported from 03/08/1990 to 07/26/2005 i.e. waste acids, nitric acid fume, chromic acid, diesel fuel, liquid hazardous waste, ammonia waste, etc. At least five hazardous injection wells on site	Obtain/review files if available; pipeline is located ~704 feet from release areas (acids, petroleum, haz waste) but direction/depth of groundwater and potential impacts to groundwater unknown.
48, 82	Sandusky	138.9	Ohio Liquid Disposal Aka Chem Waste	3956 SR 412, Vickery	702	HIST LF	Inactive	Sludge LF with 12 ponds	Obtain/review files if available; pipeline is located ~623 feet from sludge lagoons but unknown if lagoons are lined and if there are potential impacts to groundwater, groundwater flow direction/depth unknown.

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
43, 78	Sandusky	146.2	The Outpost	3702 N SR 53, Fremont	579	ARCHIVE UST, LUST, UST, EDR US Hist Auto Stat	Inactive	Release on 5/22/1995 of an unknown amount of gasoline during tank removal Historic use and storage of petroleum	No further review at this time
42-46, 79	Sandusky	147.2	Fremont Shear Repair Service	2898 Fangboner Rd, Fremont	729	RCRA NonGen / NLR, FINDS	NRR	No impact based on status	No further review at this time
41-45, 80	Sandusky	154.1	R & K Body Shop	3234 St Rt 20, Lindsey	765	UST	NRR	No impact based on status	No further review at this time
39, 76	Wood	164.8	Hirzel Farms	20795 Bradner Rd, Pemberville	1,274	LUST, UST	Inactive	Release on an unknown date, unknown amount of unknown chemical	No further review at this time
39, 75	Wood	164.9	Brent A Weaver	20767 Bradnor Rd, Lucky	45	SPILLS	Unknown	Release on 6/27/1999, release of an unknown amount of machine oil	No further review at this time
32, 72	Wood	172.8	Chemical Systems Corporation	10045 Dowling Rd, Dunbridge	687	FINDS, RCRA-SQG, CORRACTS	NRR	No impact based on status	No further review at this time
30, 71	Lucas	181.7	Farnsworth Metropark	8505 Rt 24, Waterville	627	ARCHIVE UST	NRR	No impact based on status	No further review at this time
28, 68	Henry	190.1	NR	1700 County Rd A, Liberty Center	325	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
28, 69	Henry	190.3	NR	1693 County Rd W, Liberty Center	518	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
22, 66	Fulton	204.9	NR	1615 US Highway 20, Swanton	307	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
Michigan									
15-17, 64	Lenawee	220.8	NR	9667 Forche Rd, Blissfield	434	EDR US Hist Cleaners	NRR	Historic use of chlorinated solvents	No further review at this time
12, 62	Monroe	232.4	Mastens General Store	20130 Cone Rd, Milan	931	LUST, UST	Closed	Release on 8/5/1991, unknown amount of an unknown chemical	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
12, 61	Monroe	234.2	NR	12551 Dennison Rd, Milan	667	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
12, 60	Monroe	234.3	Milan Air Service	19265 Hickory Rd, Milan	839	UST	NRR	No impact based on status	No further review at this time
8, 57	Monroe	237.6	DTE/Michcon	610 Mooreville Rd, Milan	346	RCRA-CESQG	NRR	No impact based on status	No further review at this time
9, 56	Monroe	239.7	Terry Town (DBA) National	11900 Carpenter Rd, Milan	1,054	AST	NRR	No impact based on status	No further review at this time
7, 55	Washtenaw	245.2	Katherine Mckenzie	8006 Willis Rd, Ypsilanti	335	LUST, INVENTORY, UST	Open	Two releases: 1) Release on 8/27/1991 of an unknown amount of an unknown chemical 2) release on 11/27/1990 of an unknown amount of an unknown chemical	No further review at this time
7, 54	Washtenaw	245.3	NR	8227 Willis Rd, Ypsilanti	836	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
7, 53	Washtenaw	245.4	Ypsilanti Schools	7901 Willis Rd, Ypsilanti	78	LUST, WDS, INVENTORY, UST	Releases 1 and 2 - open Releases 3 and 4 - closed	Four releases: 1) Release on 12/6/2001 of an unknown amount of diesel/gasoline 2) Release on 11/20/2001 of an unknown amount of gasoline 3) Release on 8/11/1990 of an unknown amount of an unknown chemical 4) Release on 9/30/1991 of an unknown amount of an unknown chemical	Obtain/review files if available; release within 100' of pipeline, unknown quantity, and unknown media impacted (i.e. soil or groundwater).
7, 53	Washtenaw	245.4	Lincoln Bus Garage	8622 Whittaker Rd, Ypsilanti	853	UST	NRR	No impact based on status	No further review at this time
7, 52	Washtenaw	248.2	Raymond Schultz	10090 Martz Rd, Ypsilanti	116	UST	NRR	No impact based on status	No further review at this time
7, 42 and 7, 45	Washtenaw	249.6 - 249.9	MI Dept Natural Resources And Environment/Thomas Solvents Rawsonville	6601 Mckean Rd, Ypsilanti	52-94	CERC-NFRAP, RCRA NonGen / NLR, LUST, WDS, INVENTORY, PART 201, UST, BEA	Open	Release on 10/25/1997, unknown amount of a hazardous substance	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
7, 46, 7, 48, and 7, 49	Washtenaw	248.7	McKean Rd GW Contamination	6969-7251 McKean Rd, Ypsilanti	274-1,020	BROWNFIELDS, RGA PART 201, INVENTORY, PART 201	Inactive	Unknown amount of an unknown chemical contaminating groundwater	Obtain/review files if available; pipeline is located ~274 and 1020 feet from release but media (groundwater or soil) unknown, depth and direction of groundwater unknown, and unknown quantity of release.
7, 51	Washtenaw	248.8	Glenn Rowe Farms	10570 Martz Rd, Ypsilanti	1,214	UST	Closed	Release on 1/11/2001 of an unknown amount of diesel during tank removal	No further review at this time
3, 39	Washtenaw	250.2	NR	Mckean And Textile Rds, Ypsilanti	44	ERNS	NRR	No impact based on status	No further review at this time
3, 39	Washtenaw	250.2	Bluelinx Corp	6101 Mckean Rd, Ypsilanti	80	UST, AST	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
3, 40	Washtenaw	250.2	Ford Motor Company - Rawsonville Plant	10300 Textile Rd, Ypsilanti	855	LUST, INVENTORY, UST, AST, PADS, RCRA-LQG, CERC-NFRAP	Closed	Five releases: 1) Release on 10/5/2011, unknown amount of diesel 2) Release on 2/8/1990, unknown amount of an unknown chemical 3) Release on 5/18/1999, unknown amount of an unknown chemical 4) Release on 12/1/1989, unknown amount of an unknown chemical 5) Release on 12/14/1990, unknown amount of an unknown chemical	Obtain/review files if available; pipeline is located ~855 feet from release but unknown quantity of release, impacts to groundwater, depth, and direction of groundwater unknown.
3, 34	Washtenaw	251.7	Kalitta Motorsports	2757 N I-94, N I-94 Service Dr, Ypsilanti	750	FINDS, RCRA NonGen / NLR	NRR	No impact based on status	No further review at this time
3, 34	Washtenaw	251.7	Kitty Hawk Charters	2765 N I-94, N I-94 Service Dr, Ypsilanti	781	RCRA NonGen / NLR	NRR	No impact based on status	No further review at this time
3, 34	Washtenaw	251.8	Eq Industrial Services, Inc/ S And C Transport Inc/ Kalitta Air	2701 N I-94 N I-94 Service Dr, Ypsilanti	907	SWF/LF, RCRA-SQG, PADS, RCRA NonGen / NLR, FINDS, AST, INVENTORY, PART 201, RCRA-CESQG, MANIFEST	NRR	Industrial cleaning and maintenance and waste transportation	No further review at this time
3, 31	Washtenaw	252.0	A & K Auto Sales & Parts LLC	2600 Coolidge Ave, Ypsilanti	180	RCRA-CESQG	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
3, 31	Washtenaw	252.0	NR	2600 Coolidge Ave, Ypsilanti	180	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 32	Washtenaw	252.1	NR	2535 Coolidge Ave, Ypsilanti	154	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 33	Washtenaw	252.1	NR	1715 Beverly Ave, Ypsilanti	699	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 33	Washtenaw	252.1	NR	1725 Beverly Ave, Ypsilanti	708	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 28	Washtenaw	252.2	Wastewater Treatment Plant	2777 State St, Ypsilanti	1,138	LUST, INVENTORY, UST, AST, RCRA-CESQG, US AIRS	Closed	Two releases: 1) Release on 11/5/1997, unknown amount of diesel 2) Release on 12/19/1997, unknown amount of diesel	No further review at this time
3, 29	Washtenaw	252.2	A-1 Auto Salvage & Scrap LLC	2574 State St, Ypsilanti	142	RCRA NonGen / NLR	NRR	No impact based on status	No further review at this time
3, 30	Washtenaw	252.3	Schwan's Sales Enterprises, Inc	1559 Beverly Ave, Ypsilanti	542	AST	NRR	No impact based on status	No further review at this time
3, 24	Washtenaw	252.4	NR	1327 Nash Ave, Ypsilanti	1,092	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 25	Washtenaw	252.4	NR	2379 Cedarcliff Dr, Ypsilanti	337	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 24	Washtenaw	252.5	NR	1288 Woodglen Ave, Ypsilanti	844	EDR US Hist Auto Stat	NRR	Historic use and storage of petroleum	No further review at this time
3, 23	Washtenaw	252.6	Lidell Specialty Products Inc	1160 Watson St, Ypsilanti	401	RCRA-CESQG	NRR	No impact based on status	No further review at this time
3, 23	Washtenaw	252.6	Penske Truck Leasing Co Lp / US Trcuk Co Inc	1181 Watson St, Ypsilanti	412	UST, RCRA-CESQG	NRR	No impact based on status	No further review at this time
3, 16	Washtenaw	252.9	Kalitta Air LLC	818 Willow Run Airport, Ypsilanti	86	RCRA-CESQG, FINDS	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
3, 16	Washtenaw	252.9	General Dynamics Advanced Information Systems Inc	813 Willow Run Airport, Ypsilanti	190	RCRA NonGen / NLR	NRR	No impact based on status	No further review at this time
3, 16	Washtenaw	253.0	Rosenbalm Aviation Inc	834 Willow Run Airport, Ypsilanti	175	RCRA NonGen / NLR, FINDS	NRR	No impact based on status	No further review at this time
3, 16	Washtenaw	253.0	County of Wayne Airport Authority	801 Willow Run Airport Drive, Ypsilanti	189	RCRA-CESQG, FINDS	NRR	No impact based on status	No further review at this time
3, 16	Washtenaw	253.0	Eagle Aviation Center	839 Willow Run Airport, Ypsilanti	195	FINDS, RCRA-CESQG	NRR	No impact based on status	No further review at this time
3, 16	Washtenaw	253.0	Chrysler Pentastar Aviation Inc	824 Willow Run Airport, Ypsilanti	295	RCRA NonGen / NLR, FINDS	NRR	No impact based on status	No further review at this time
3, 17	Washtenaw	253.0	NR	840 Nash Ave, Ypsilanti	1,191	EDR US Hist Cleaners	NRR	Historic use of chlorinated solvents	No further review at this time
3, 15	Washtenaw	253.4	ITC Holdings	2455 Airport Rd, Ypsilanti	447	RCRA-CESQG	NRR	No impact based on status	No further review at this time
3, 15	Washtenaw	253.4	Crown Industrial Services, Inc	2480 Airport Dr, Ypsilanti	488	RCRA-CESQG, FINDS	NRR	No impact based on status	No further review at this time
3, 8, 3, 10, 3, 12, and 3, 14	Washtenaw	254.0	Southeast Portion Former GM Powertrain/Willow Run Plant Industrial Land	Willow Run and Ecorse Road, Ypsilanti	563-1,184	LUST, INVENTORY, UST, 2020 COR ACTION, CERC-NFRAP, PADS, RCRA-SQG, RCRA-TSDF, CORRACTS, RCRA-CESQG	Open	4,807,500 SF facility; seven releases: five in 1991, one in 1990, one in 2012, all of unknown amount and unknown chemical	Obtain/review files if available; pipeline is located between ~563 and 1184 feet from release areas, unknown locations of releases as site designation is based on 4,807,500 SF facility, depth and direction of groundwater is unknown.
3, 5	Washtenaw	255.1	ANR Pipeline	176 Rawsonville, Ypsilanti	384	AST	NRR	No impact based on status	No further review at this time
3, 5	Washtenaw	255.1	Mich - Willow Station	120 Rawsonville Rd, Belleville	129	AST	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
3, 1	Washtenaw	255.2	Dap Ypsilanti LLC	0 Michigan Ave, Ypsilanti	845	RCRA NonGen / NLR, FINDS	NRR	No impact based on status	No further review at this time
3, 3	Washtenaw	255.2	Arbor Green Realty	3198-3244 E. Michigan Ave, Ypsilanti	884	INVENTORY, PART 201, RGA PART 201	NRR	No impact based on status	No further review at this time
3, 3	Washtenaw	255.2	Michigan Avenue Cng Fueling	3150 East Michigan Avenue, Ypsilanti	1,046	AST	NRR	No impact based on status	No further review at this time
3, 3	Washtenaw	255.2	Sloan Petroleum	3105 E Michigan Ave, Ypsilanti	1,167	BROWNFIELDS, RGA PART 201, INVENTORY, RCRA NonGen / NLR, FINDS, US BROWNFIELDS, LUST, WDS, INVENTORY, UST	Active	Liquid gases shipping and trucking company Release on 12/1/1997, unknown amount of an unknown chemical Currently being sued for spill incompliance	Obtain/review files if available; pipeline is located ~1167 feet from release but media (groundwater or soil) unknown, depth and direction of groundwater unknown, and unknown quantity of release.
3, 3	Washtenaw	255.2	Thomas Leach	3105 E Michigan Ave, Ypsilanti	1,167	BROWNFIELDS, INVENTORY, WDS, LUST, UST	Open	Release on 12/1/1997, unknown amount of an unknown chemical	Obtain/review files if available; pipeline is located ~1167 feet from release but media (groundwater or soil) unknown, depth and direction of groundwater unknown, and unknown quantity of release.
3, 3	Washtenaw	255.2	NR	3075 E Michigan Ave, Ypsilanti	1204	BEA	NRR	No impact based on status	No further review at this time
3, 7	Wayne	254.5	Ypsilanti Pumping Station	361 Rawsonville Rd, Ypsilanti	263	UST	NRR	No impact based on status	No further review at this time

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/
3, 7	Wayne	254.6	Van Buren Development Corp. Landfill	Ecorse Road & Us-12 Area, Ypsilanti	426	INVENTORY, PART 201	NRR	No impact based on status	No further review at this time
3, 5	Wayne	255.0	175 Rawlsonville Road	175 Rawlsonville Rd, Bellevue	41	INVENTORY	NRR	No impact based on status	No further review at this time
3, 5	Wayne	255.1	DTE Energy/ Michcon	120 Rawlsonville Rd, Bellevue	129	AST, RCRA-CESQG, FINDS	NRR	No impact based on status	No further review at this time
3,5	Wayne	255.1	ANR Pipeline	176 Rawlsonville Rd, Bellevue	384	AST	NRR	No impact based on status	No further review at this time
3, 5	Wayne	255.1	Advance Custom Paint Ltd	175 Rawlsonville Rd, Bellevue	380	RCRA-CESQG, FINDS, WDS, BEA	NRR	No impact based on status	No further review at this time

a/

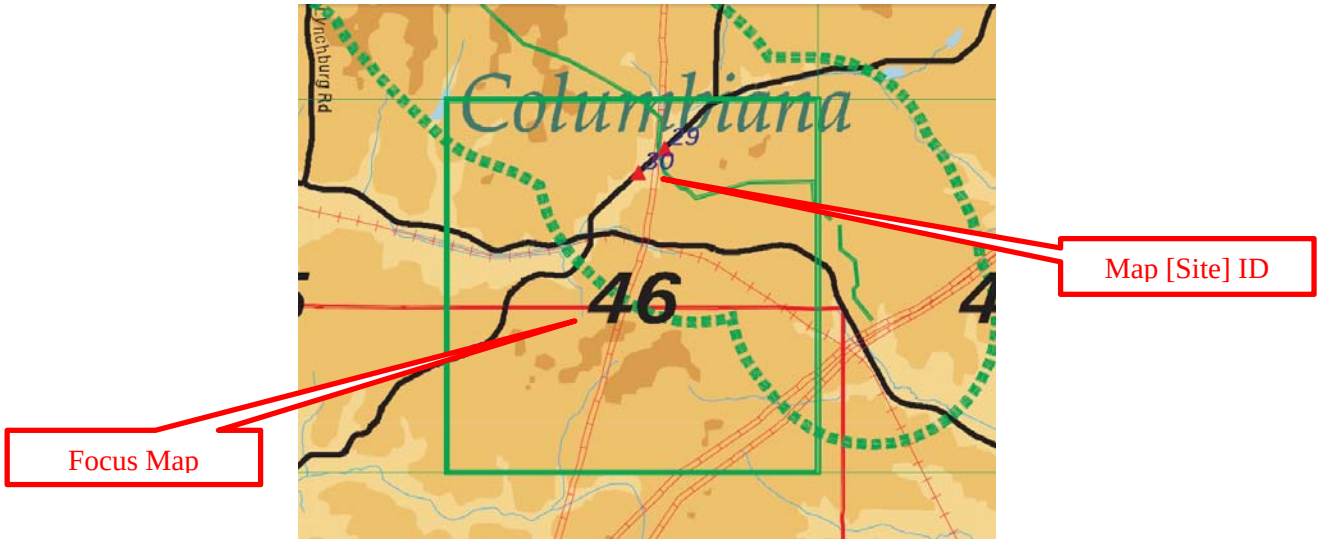


TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/

b/ Recommendations are identified based on the unknown depth and direction of groundwater in the release areas. If depth/direction of groundwater in the area of the pipeline can be identified, the release site may not need further evaluation.

Acronyms:

2020 COR ACTION – RCRA program that required a wide variety of sites to be or have been cleaned up;

ARCHIVE UST – Archived Underground Storage Tank Sites;

AST – Aboveground Storage Tank;

BEA – document that new or prospective property owners/operations disclose to the DEQ identifying the property, as a facility pursuant to Part 201 and Part 213;

BROWNFIELDS – Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant;

CERC-NFRAP – Archived sites are sites that have been removed and archived from the inventory of CERCLIS Sites;

CERCLIS – The Comprehensive Environmental Response, Compensation and Liability Information System;

CONSENT – Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites;

CORRACTS – list of handlers with RCRA Corrective Action Activity;

DERR – Division of Emergency & Remedial Response's Database;

EDR – Environmental Data Resources, Inc.;

EDR US Hist Cleaners – EDR exclusive historical dry cleaners;

EDR US Historic Auto Stations – EDR exclusive historical gas stations;

EPA WATCH LIST – EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters;

ERNS – The Emergency Response Notification System records and stores information on releases of oil and hazardous substances;

FINDS – Facility Index System;

HIST LF – Old Solid Waste Landfill;

ICIS – Integrated Compliance Information System;

INVENTORY – Inventory of Facilities;

LUST – Leaking Underground Storage Tank;

NPDES – National Pollutant Discharge Elimination System;

NR – Not Reported;

NRR – No Release Reported;

PADS – Polychlorinated Biphenyls Activity Database Systems;

PART 201 – location that has been evaluated and scored by the DEQ using the Part 201 scoring model;

RAATS – RCRA Administrative Action Tracking System;

RCRA – Resource Conservation and Recovery Act information system;

RCRA NonGen/NLR – RCRA database of sites, non-generators do not presently generate hazardous waste;

TABLE 8.4-3

Environmental Sites within 0.25 Mile of the NEXUS Pipeline

EDR Site Designation (Focus Map, Map [Site] ID) a/	County	MP	Site Name	Address	Distance from Project (feet)	Relevant Database(s)	Status and Contamination Issue(s)	Comment(s)	Recommendations b/

RCRA SQG – RCRA Small Quantity Generators (less than 100 kilograms of hazardous waste, or less than 1 kilogram of acutely hazardous waste per month);
RCRA TSDF – RCRA database of sites which generate, transport, store, treat and/or dispose of hazardous waste;
RCRA-CESQG – RCRA Conditionally Exempt Small Quantity Generators;
RCRA-LQG – RCRA Large Quantity Generators (over 1,000 kilograms of hazardous waste, or over 1 kilogram of acutely hazardous waste per month);
RGA PART 201 – Recovered Government Archive State Hazardous Waste Facilities List;
SPILLS – Incidents reported to the Emergency Response Unit;
SWF/LF – Licensed Solid Waste Facilities;
UIC – Underground Injection Wells Listing;
US AIRS – Aerometric Information Retrieval System Facility Subsystem;
US FIN ASSUR – Financial Assurance Information of owners and operators of facilities that treat, store, or dispose of hazardous waste;
US MINES – Mines Master Index File of mines active or opened since 1971;
UST – Underground Storage Tank;
WDS – The Waste Data System tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

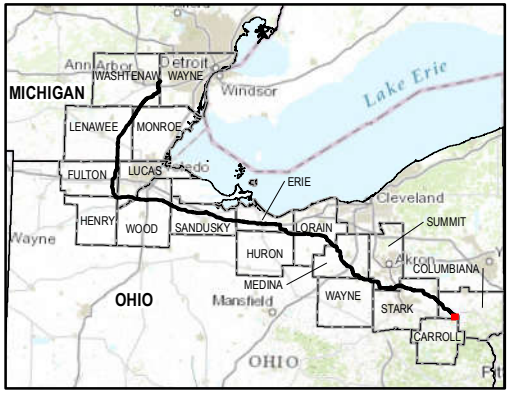
FIGURES

APPENDIX 8A

Land Uses Crossed by the NEXUS Project Pipeline Facilities

APPENDIX 8B

Land Uses Crossed by the NEXUS Compressor Station Sites



- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Proposed TGP Interconnect
- Access Roads
- Permanent Easement
- Temporary Workspace
- Proposed Compressor Sites
- ATWS
- Project Counties

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, LIDAR IMAGERY 2015, USDA NRCS

Appendix 8B

Land Uses Crossed by the NEXUS Compressor Station Sites

Hanoverton Compressor Station

Columbiana County, OH

NEXUS GAS TRANSMISSION

Created: 11/12/2015

Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Proposed TGP Interconnect
Access Roads
Permanent Easement
Temporary Workspace
Proposed Compressor Sites
ATWS
Project Counties

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, LIDAR IMAGERY 2015, USDA NRCS

Appendix 8B

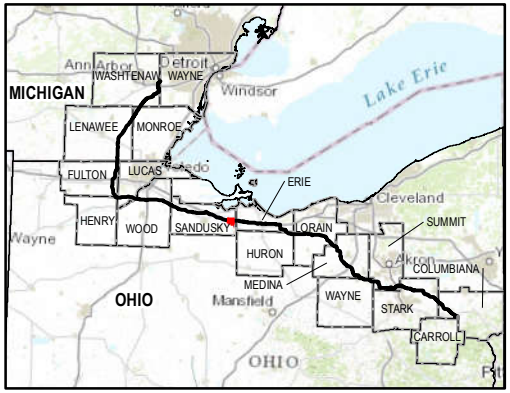
Land Uses Crossed by the NEXUS Compressor Station Sites

Wadsworth Compressor Station

Medina County, OH

NEXUS GAS TRANSMISSION

Created: 11/12/2015



Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Proposed TGP Interconnect
Access Roads
Permanent Easement
Temporary Workspace
Proposed Compressor Sites
ATWS
Project Counties

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, LIDAR IMAGERY 2015, USDA NRCS

Appendix 8B

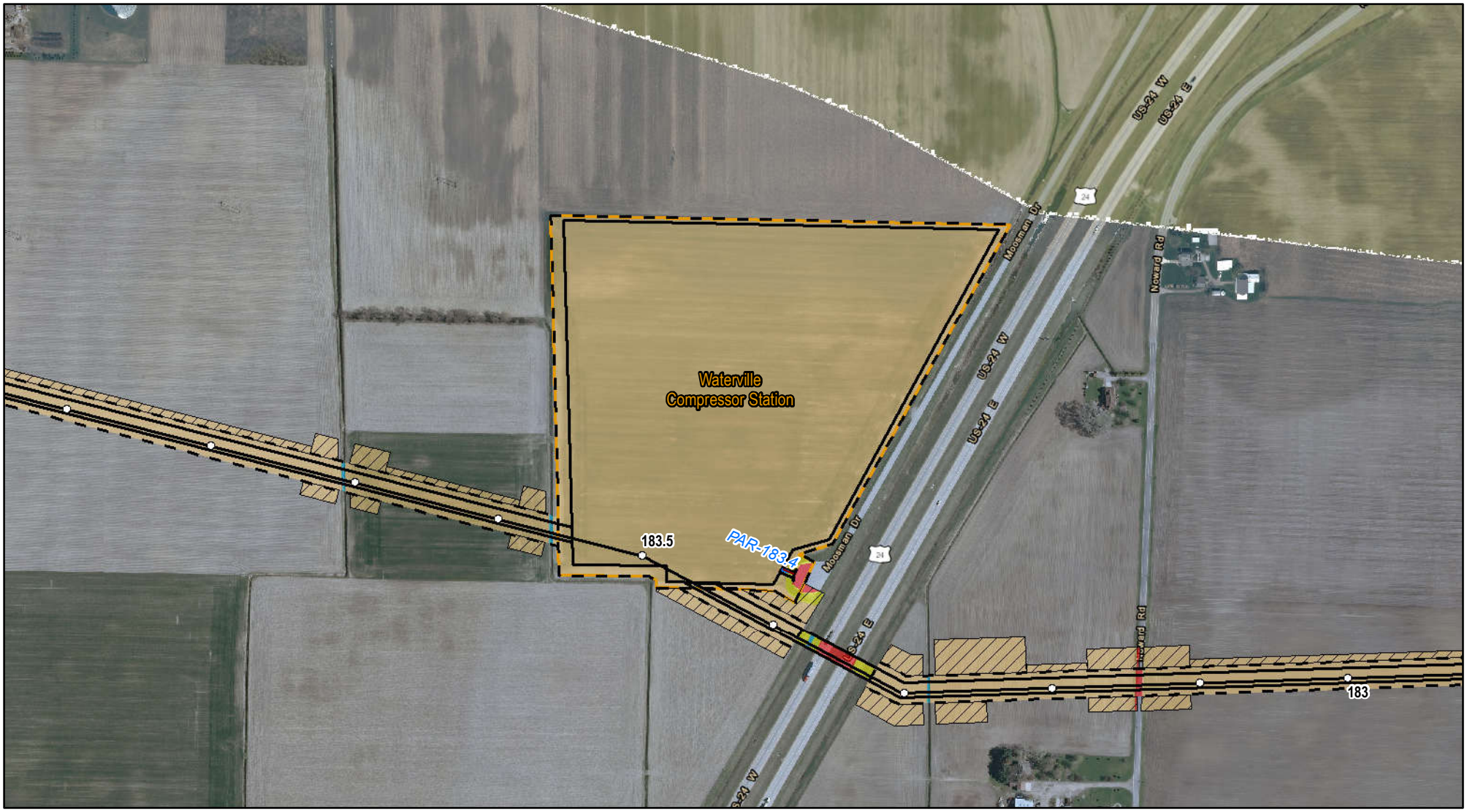
Land Uses Crossed by the NEXUS Compressor Station Sites

Clyde Compressor Station

Sandusky County, OH

NEXUS GAS TRANSMISSION

Created: 11/12/2015



Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Proposed TGP Interconnect
Access Roads
Permanent Easement
Temporary Workspace
Proposed Compressor Sites
ATWS
Project Counties

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

N

0 250 500
Feet

Projection: NAD83, UTM Zone 17N US Survey Feet, Grid North. Sources: ESRI, SPECTRA, TRC, LIDAR IMAGERY 2015, USDA NRCS

Appendix 8B

Land Uses Crossed by the NEXUS Compressor Station Sites

Waterville Compressor Station

Lucas County, OH

NEXUS GAS TRANSMISSION

Created: 11/12/2015

APPENDIX 8C

Individual Residential Construction Plans

APPENDIX 8D

Issue Resolution Plan for the NEXUS Project

Issue Resolution Plan for the NEXUS Project

1. Prior to commencement of construction activities, a letter will be mailed to each affected landowner and municipal office notifying them of the NEXUS Project local contact person that they should contact first if they have a construction related concern. The letter will describe to the landowners when they can expect their call to be returned. (Calls will be returned as soon as practicable, but in no event more than 48 hours after a landowner's concern is received).

   The letter will also instruct the landowner to contact the NEXUS Project Hotline, as it is described below, if the landowner is not satisfied with the result of the local contact. Finally, the landowner will be informed of the Federal Energy Regulatory Commission's (FERC) Enforcement Hotline telephone number in the event the landowner is dissatisfied in the result of the NEXUS Project Hotline Procedure.

2. NEXUS Project personnel will staff a Landowner Hotline to receive landowner construction concerns. The toll-free Landowner Hotline is 844-589-3655. This number will also be included in periodic newsletters issued by the NEXUS Project to the public and will be staffed Monday through Friday from 8 AM to 5 PM and on Saturday from 8 AM to 5 PM by NEXUS Project personnel from the Wadsworth, Ohio field office. After these hours, an answering machine will be available to receive calls.

3. For purposes of this procedure, written communication is handled the same as a telephone call to the Landowner Hotline. Response times are based on the date the letter is received in the Wadsworth, Ohio office.

4. Designated NEXUS Project personnel receiving the Landowner Hotline Telephone call will be responsible for logging the call into the file. Each file will contain:

   a. Caller's name, phone number and address
   b. Caller's status (e.g. landowner, abutter, public official, etc.)
   c. A summary of the call -- including the date, time and location of the subject matter of the call. (A specific location is required if the subject matter is site specific, e.g. county, street, highway, milepost, tract, spread, etc. if not, a general area may be sufficient). The caller will be asked if they called their local contact and the details of that call.

5. NEXUS Project personnel will immediately notify the Issue Resolution Coordinator ("IRC") with the details of the call. NEXUS Project personnel will use the following procedure to address landowner calls and letters during construction.

6. The IRC will contact the construction field office and discuss the situation with the appropriate individual (e.g. Right-of-Way Field Office Representative, Lead Environmental Inspector, Chief Inspector, or Construction Coordinator) and determine the steps necessary to resolve the issue and time frame.

7. The IRC will then contact the original caller as soon as practicable, but in no event later than 48 hours after the initial call and explain how their issue is to be resolved and the time frame expected for the resolution to occur.

Issue Resolution Plan (Cont'd)

8. The IRC will then follow-up with the appropriate field person (e.g. Right-of-Way Field Office Representative, Construction Coordinator, Chief Inspector, Environmental Inspector) to ensure that the resolution has been or is scheduled to be implemented as indicated to the caller and within the timeframe discussed.

9. The IRC will notify the Project Director, Right-of-Way Manager and Environmental Manager of the issue, and the agreed upon resolution and anticipated timeframe.

10. The IRC will then record the resolution plan.

11. A final phone call will be made to the caller within 24 hours following the completion of the resolution plan.

12. The IRC will record the resolution plan and file it appropriately.

13. The IRC will summarize Hotline calls and resolution plans and issue a weekly report to:

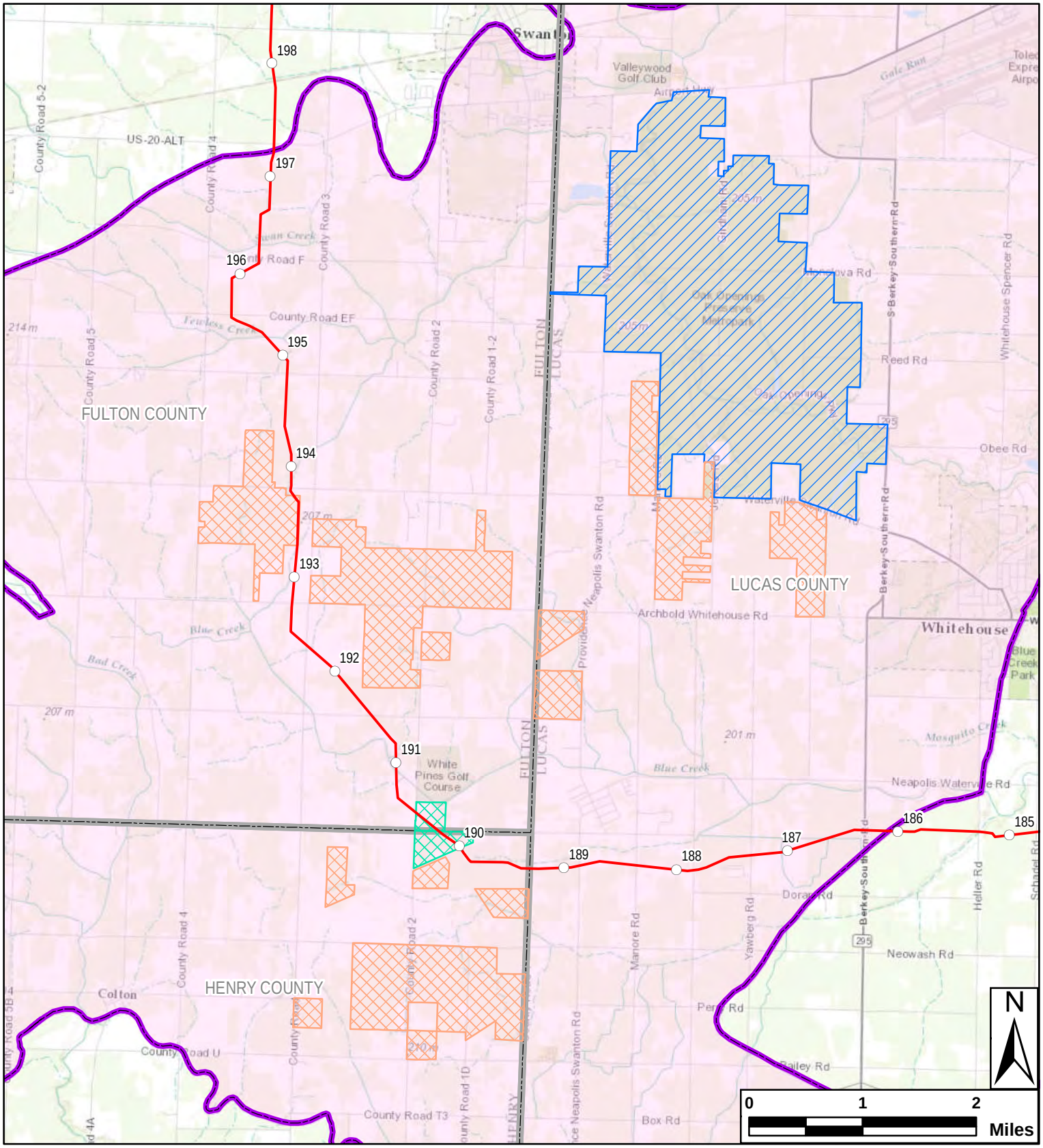
    Project Director
    Project Manager
    Right-of-Way Project Manager
    Environmental Project Manager
    Construction Manager
    Legal
    Business Development Representative

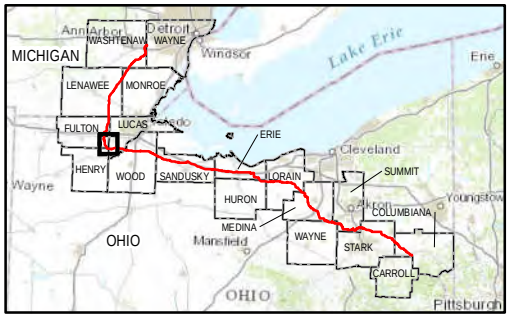
14. The IRC shall promptly notify the following people of (i) calls which are not addressed in the stated timeframes (ii) multiple calls received about the same incident or (iii) repeat calls where the caller is not satisfied with the company's resolution:

    Project Director
    Project Manager
    Right-of-Way Project Manager
    Environmental Project Manager
    Construction Manager
    Legal
    Business Development Representative

APPENDIX 8E

Site-Specific Crossing Plans





- Milepost (1 mile)
- Proposed NEXUS Mainline Pipeline
- Maumee State Forest
- The Nature Conservancy
- Oak Openings Metropark
- Historical Oak Openings Region
- Project Counties

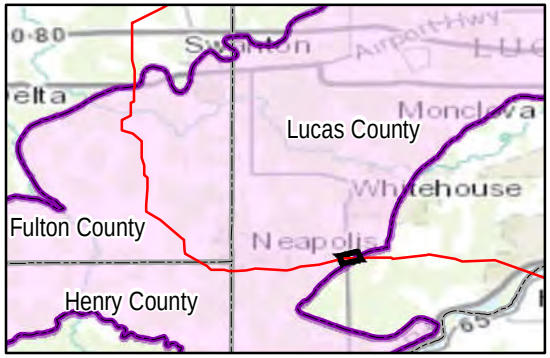
Projection: NAD83, UTM 17 US Feet. Data Sources: TRC, ESRI, Ohio DNR, SPECTRA, TRC

Appendix 8E

Historical Oak Openings Region Crossing Plan Overview Map

NEXUS GAS TRANSMISSION

Created: 11/13/2015



Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Access Roads
Permanent Easement
Temporary Workspace
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Maumee State Forest
The Nature Conservancy Property

Historical Oak Openings Region
Stream Centerline
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Water Polygon
Wetland Delineation Line
Wetland Polygon

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
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Open Water
Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

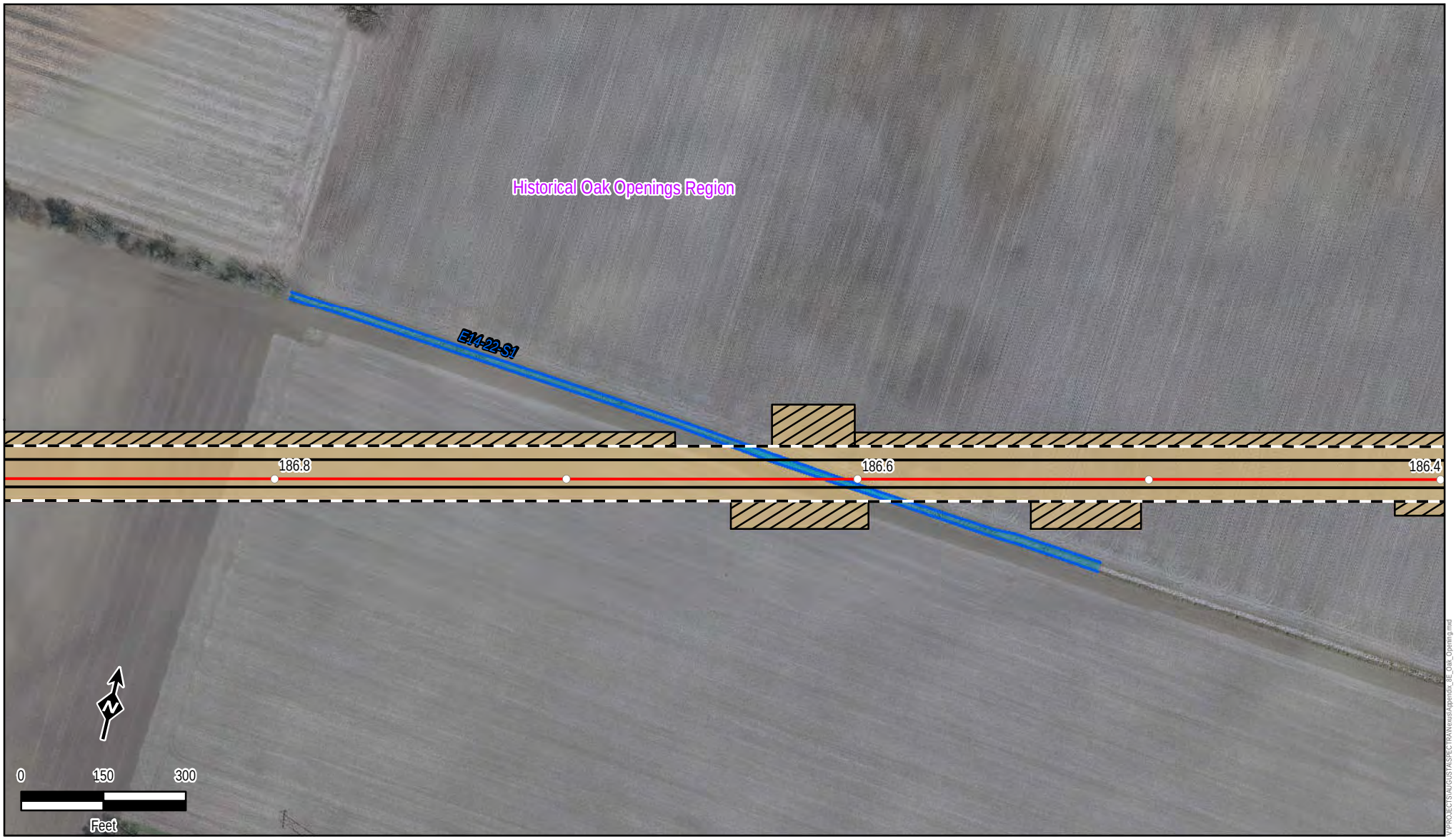
Appendix 8E

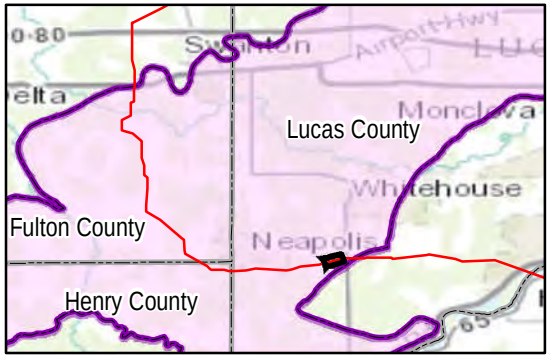
Historical Oak Openings Region Crossing Plan

Lucas County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015





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Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

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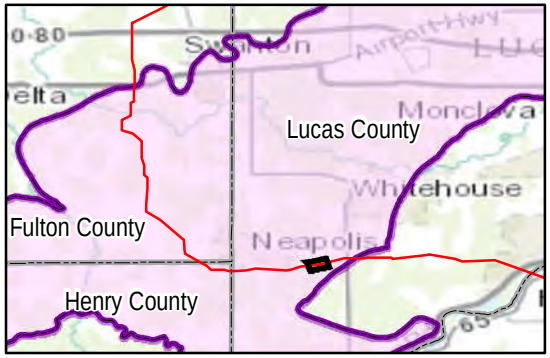

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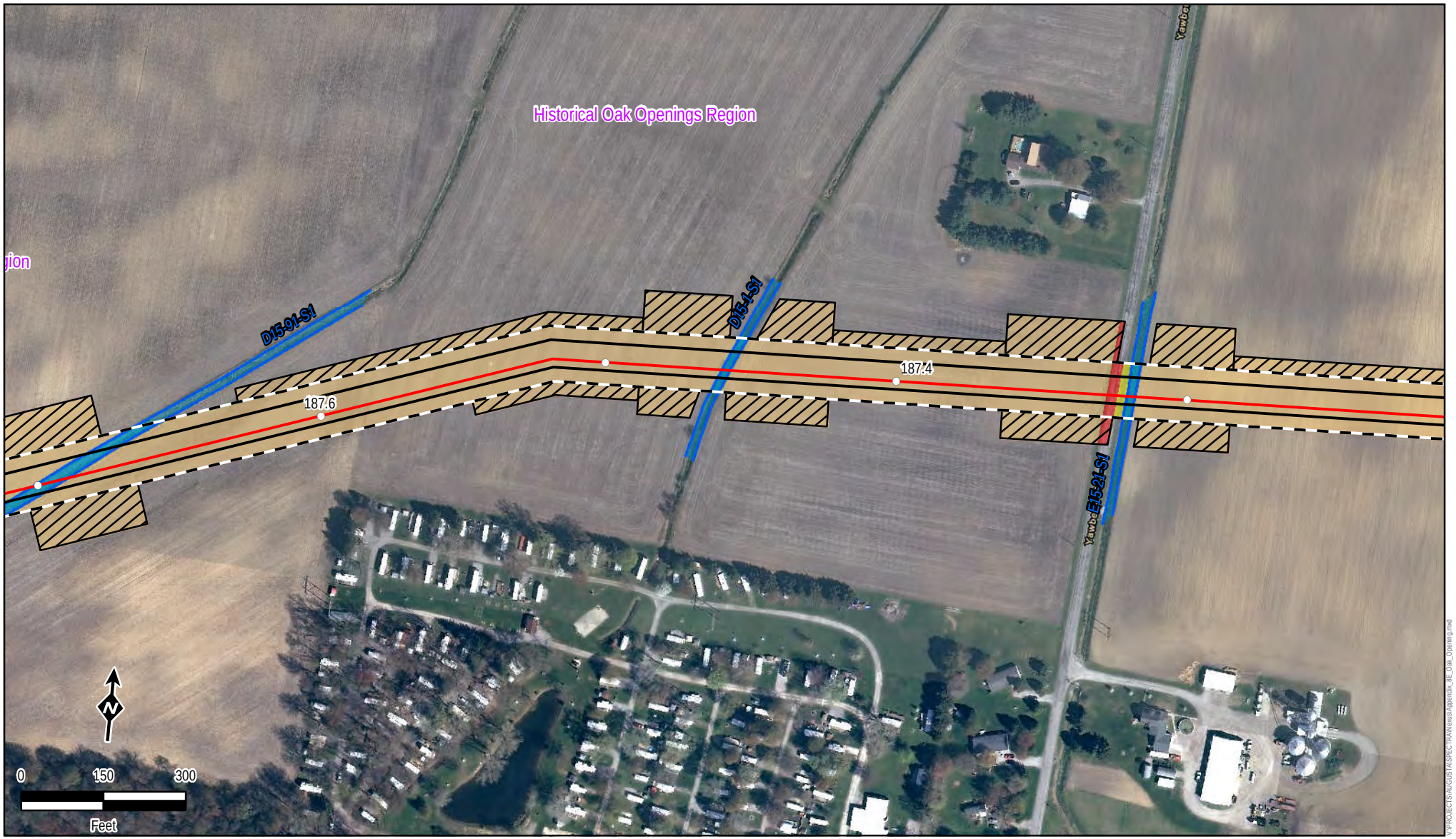

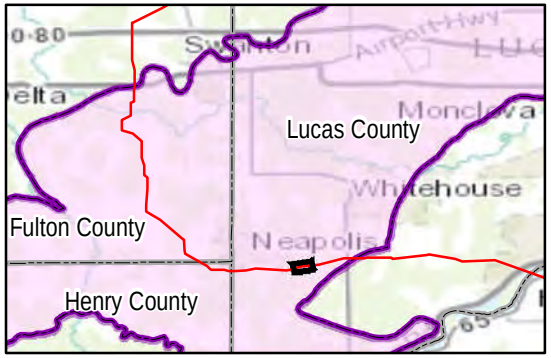

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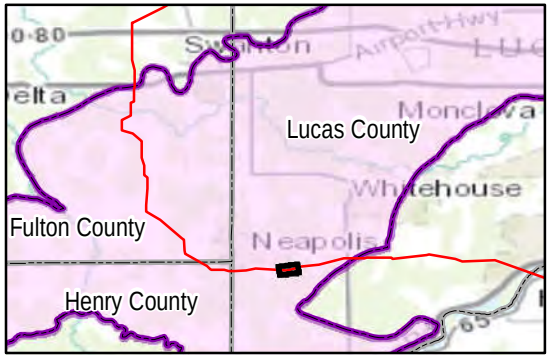

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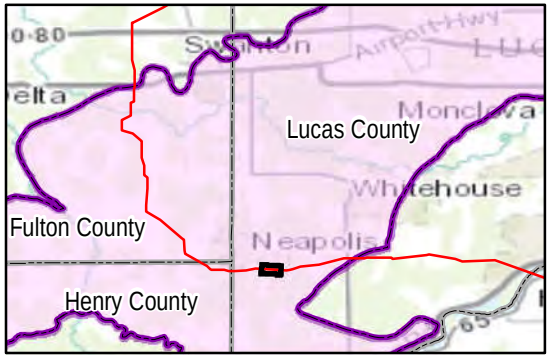

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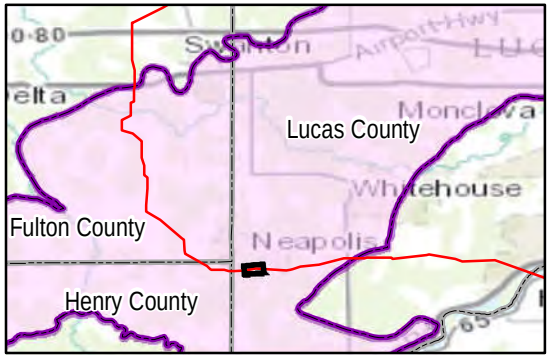

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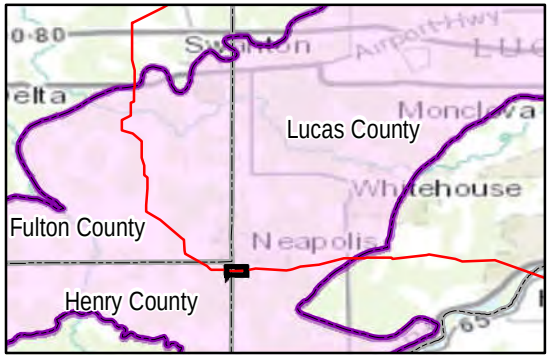

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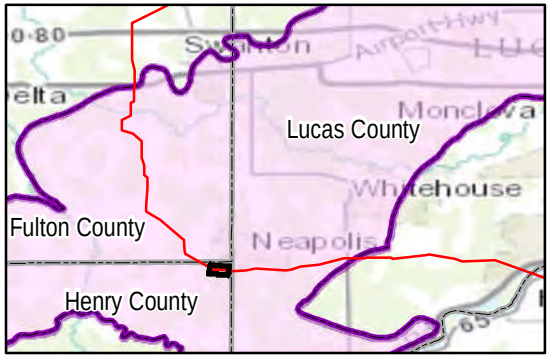
Appendix 8E

Historical Oak Openings Region Crossing Plan

Lucas and Henry County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



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Appendix 8E

Historical Oak Openings Region Crossing Plan

Henry County, Ohio

NEXUS GAS TRANSMISSION

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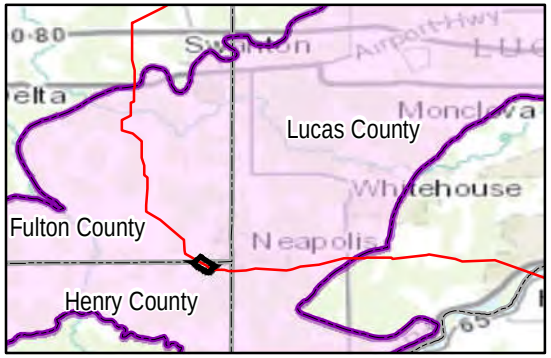

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Appendix 8E

Historical Oak Openings Region Crossing Plan

Henry and Fulton Counties, Ohio

NEXUS GAS TRANSMISSION

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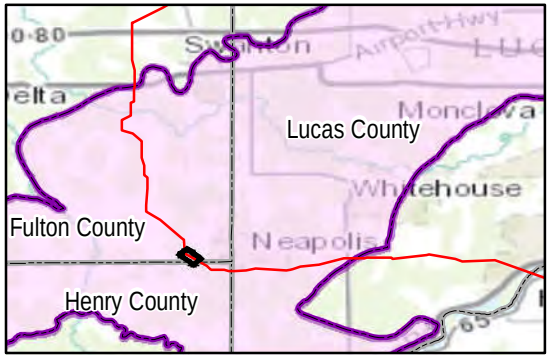

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Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

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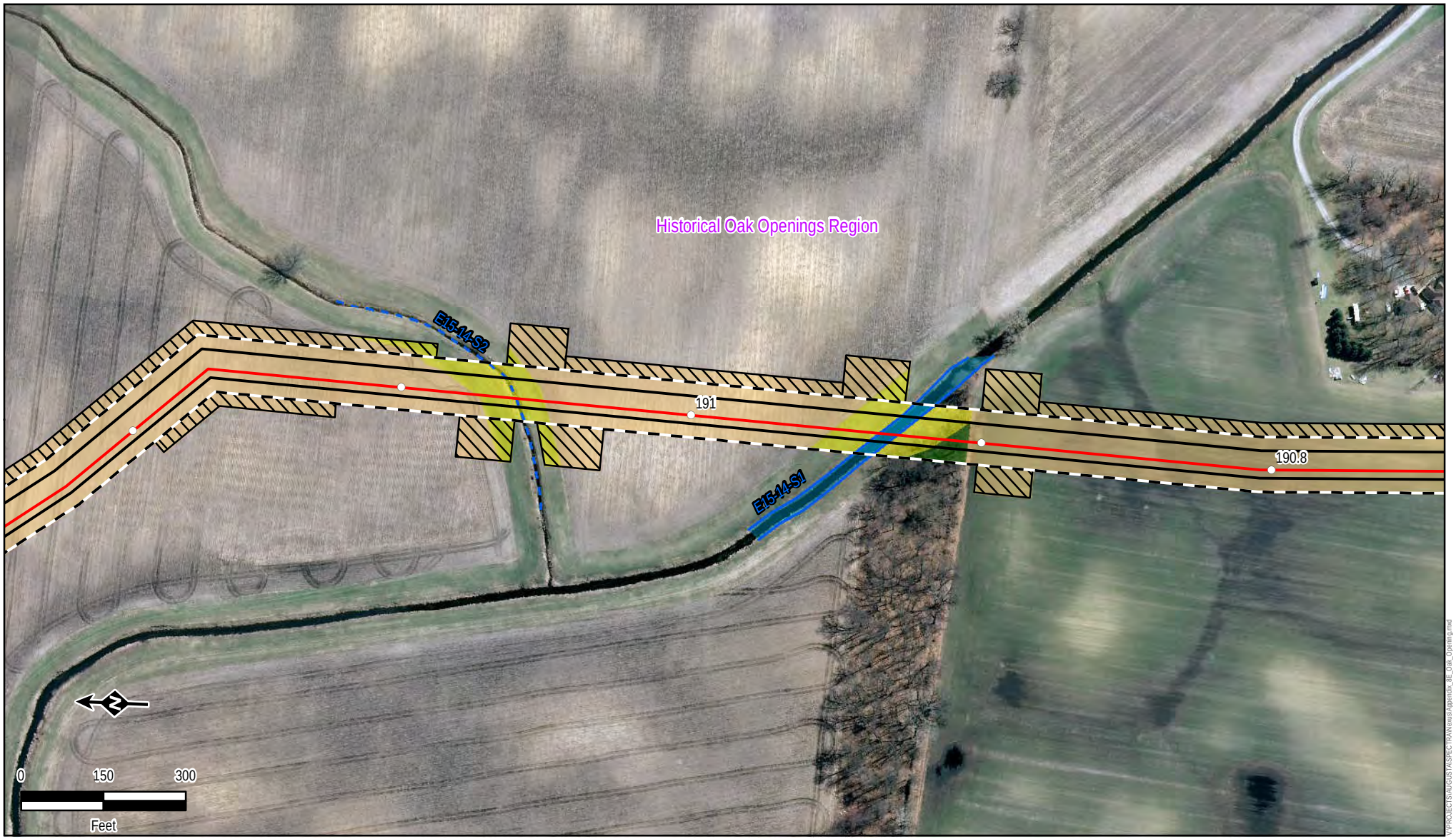

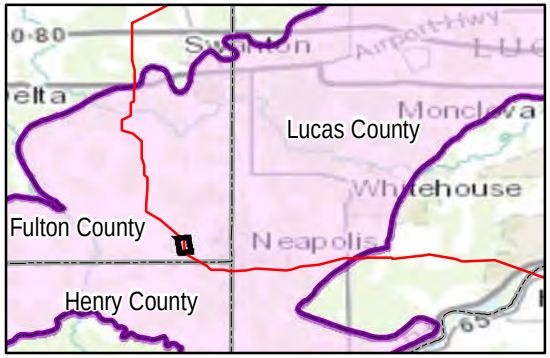

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Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015

Historical Oak Openings Region

2800 County Road B

County Road B

D15-15

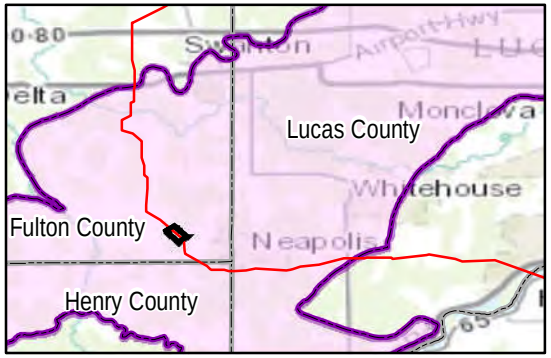
D15-14

191.4

191.2

0 150 300

Feet



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Fulton County, Ohio

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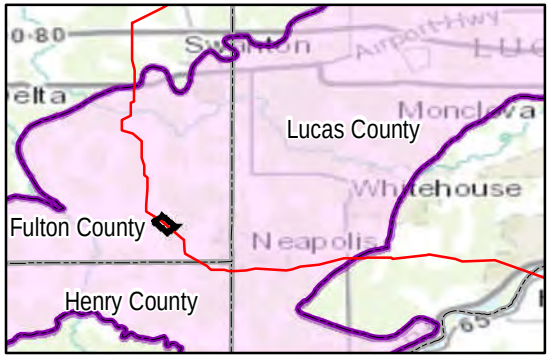

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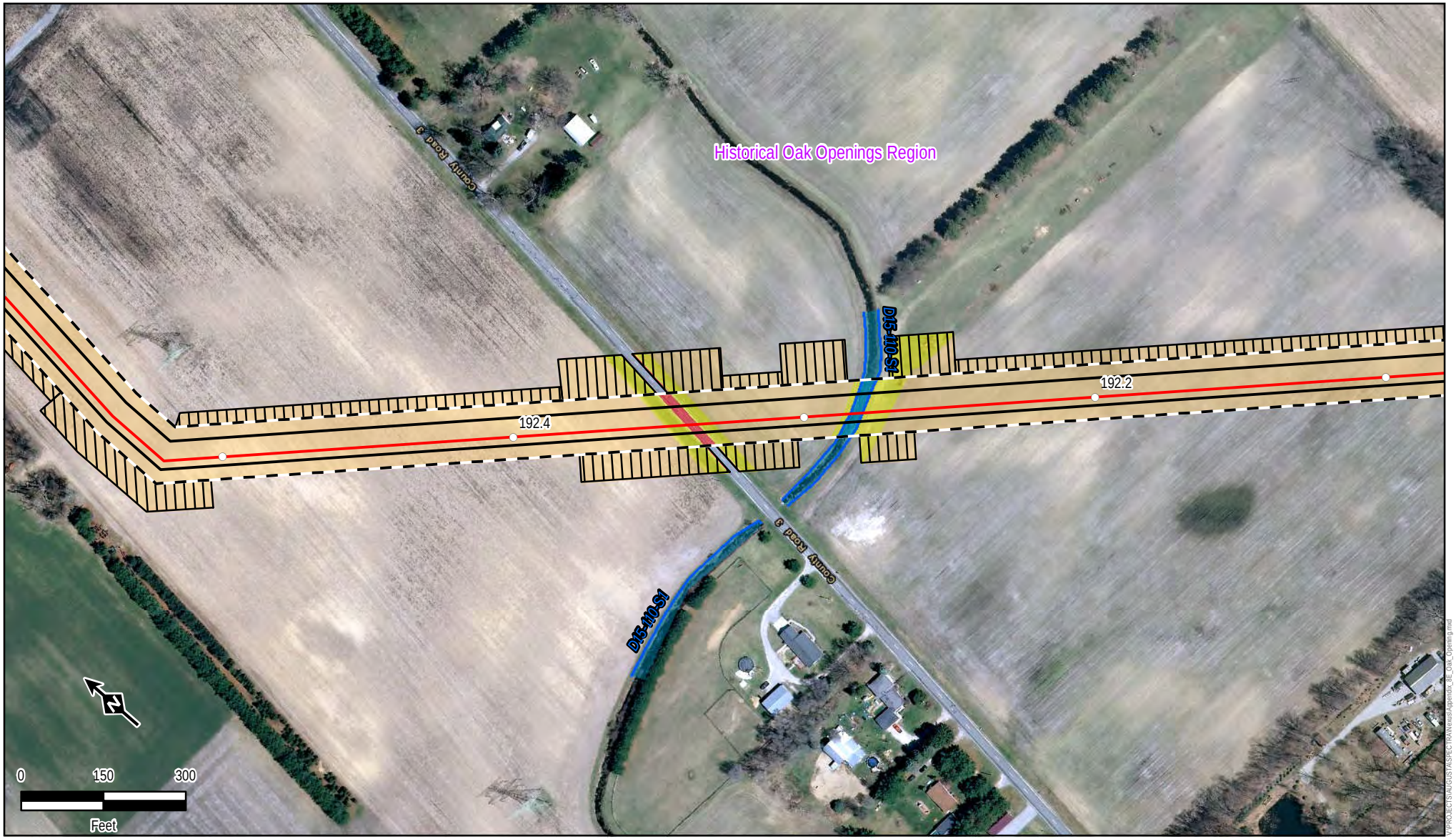

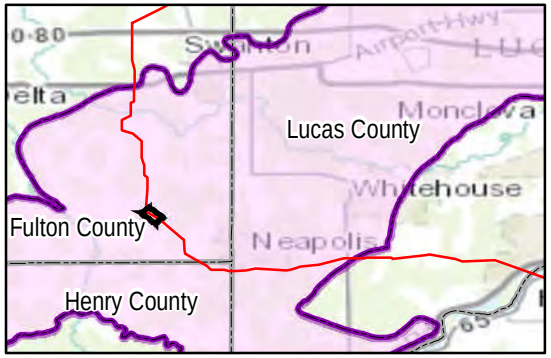

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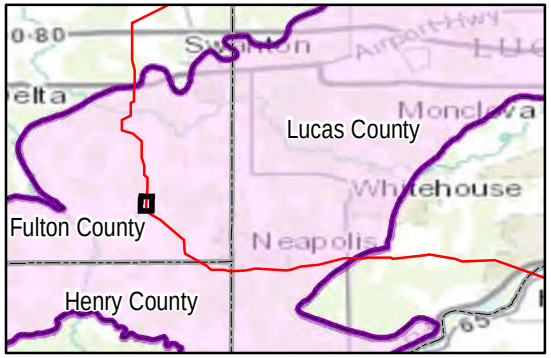

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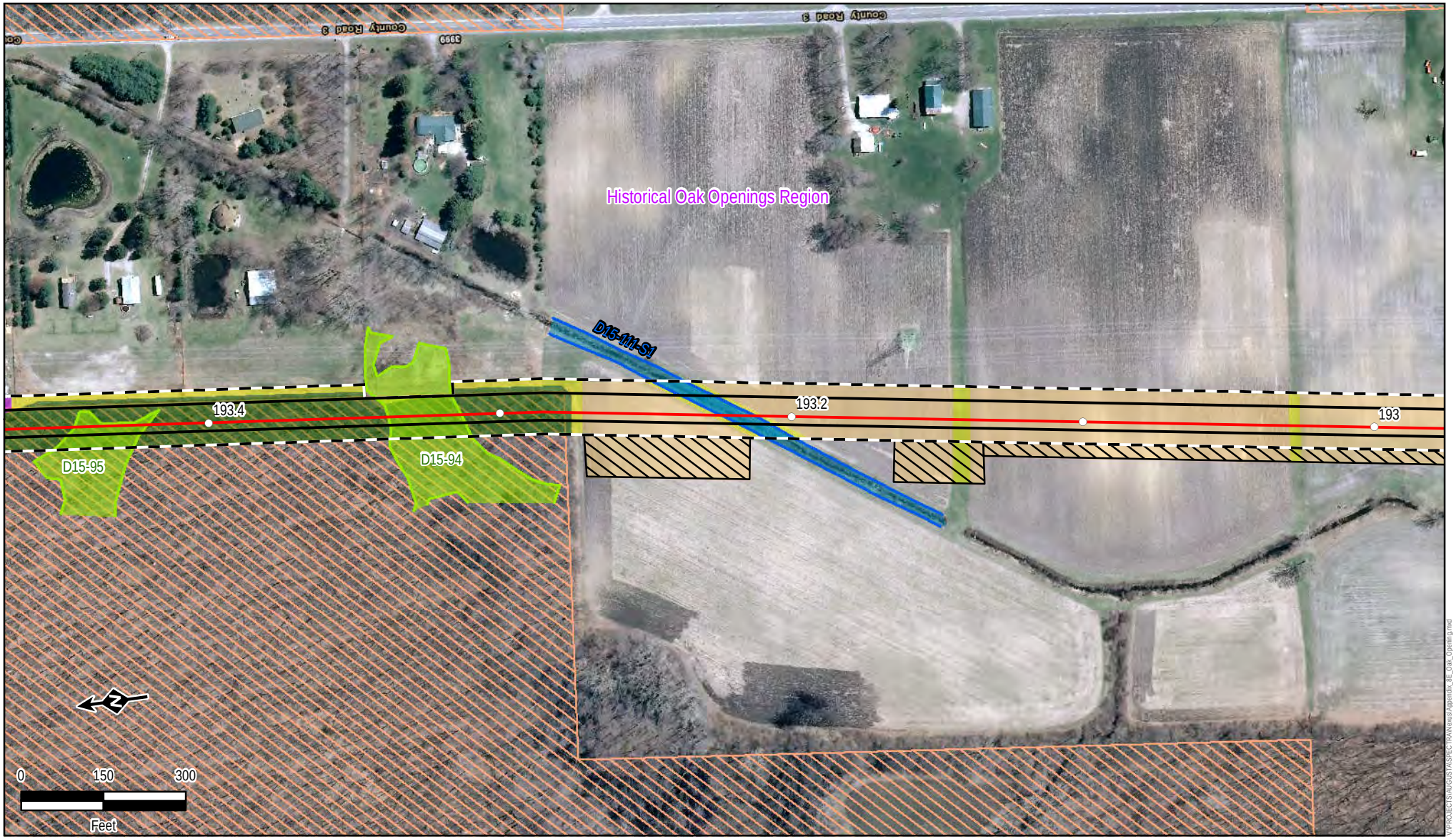

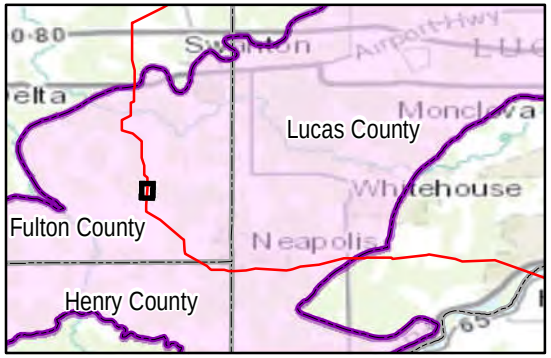

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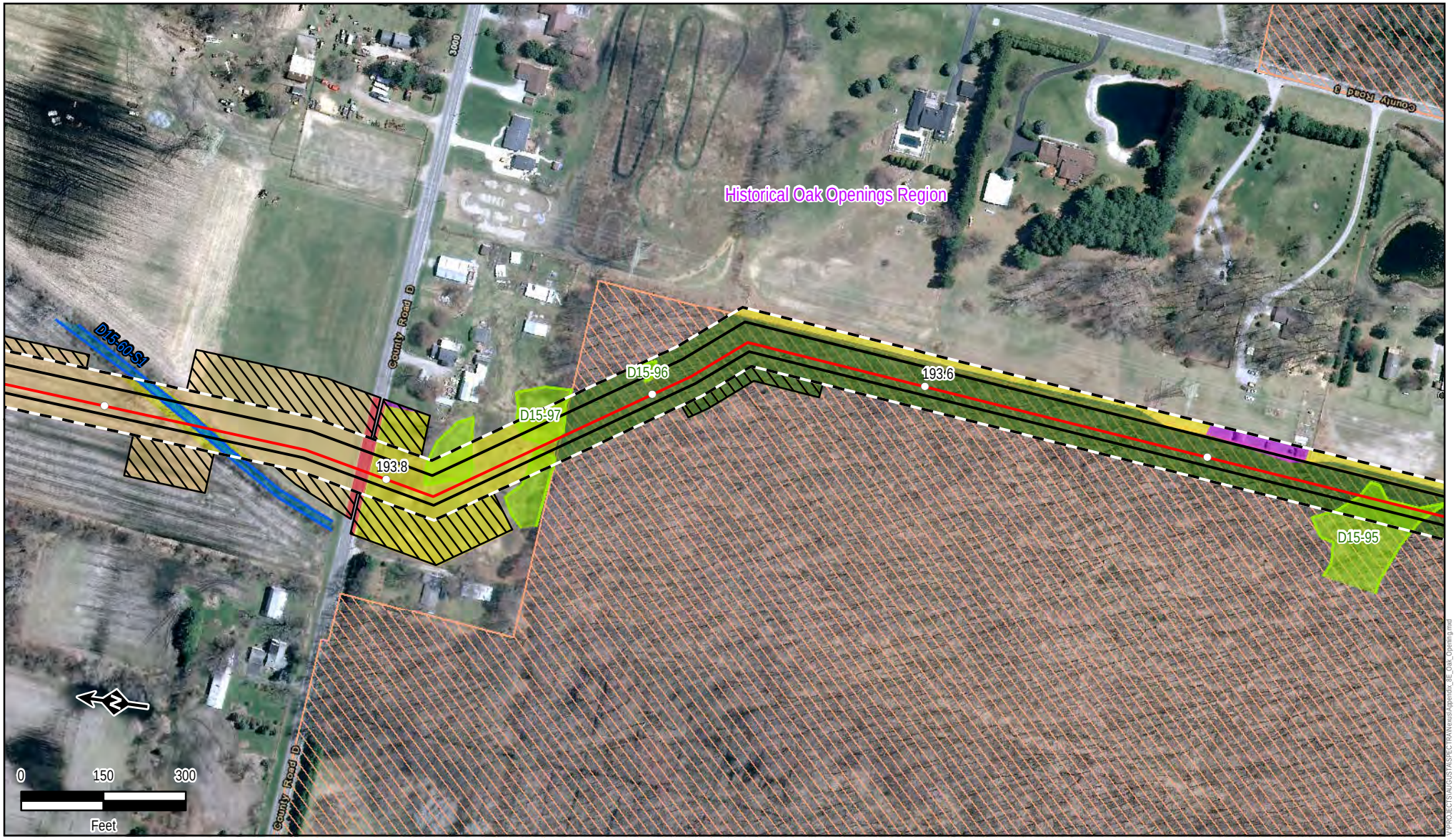
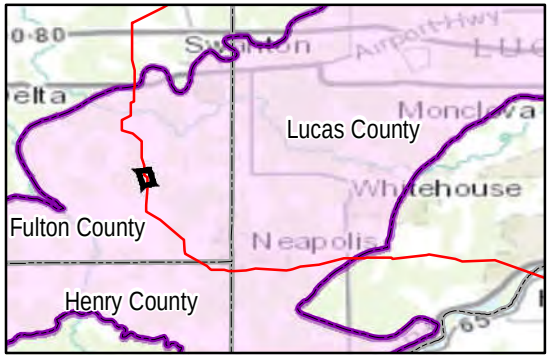
Created: 11/13/2015





- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

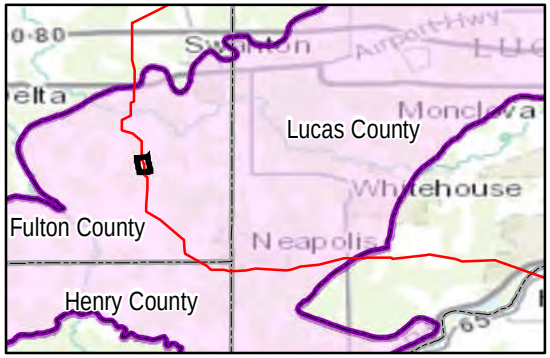
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Access Roads
Permanent Easement
Temporary Workspace
ATWS
Maumee State Forest
The Nature Conservancy Property

Historical Oak Openings Region
Stream Centerline
Water Edge/TOB
Water Polygon
Wetland Delineation Line
Wetland Polygon

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

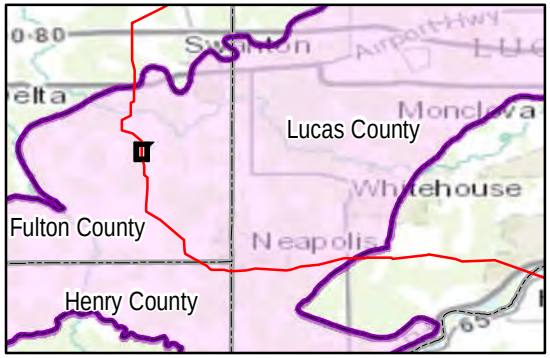
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

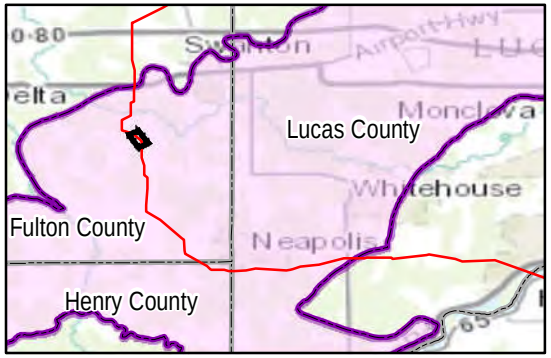
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

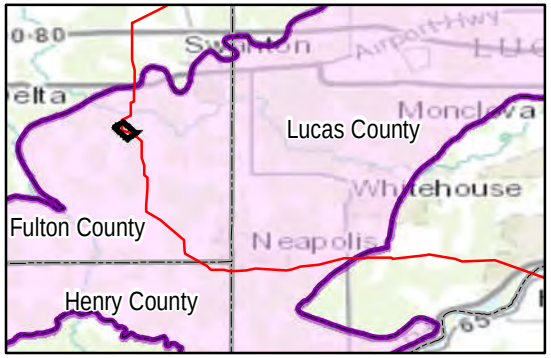
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

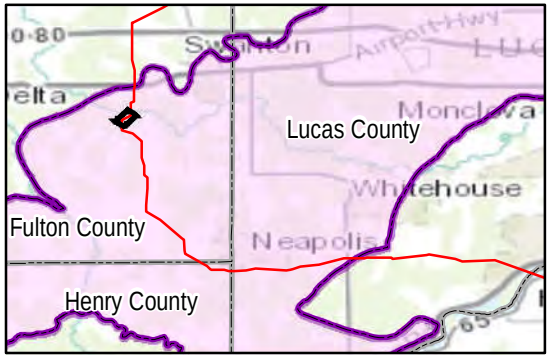
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



Milepost (0.1 mile)
Proposed NEXUS Mainline Pipeline
Access Roads
Permanent Easement
Temporary Workspace
ATWS
Maumee State Forest
The Nature Conservancy Property

Historical Oak Openings Region
Stream Centerline
Water Edge/TOB
Water Polygon
Wetland Delineation Line
Wetland Polygon

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

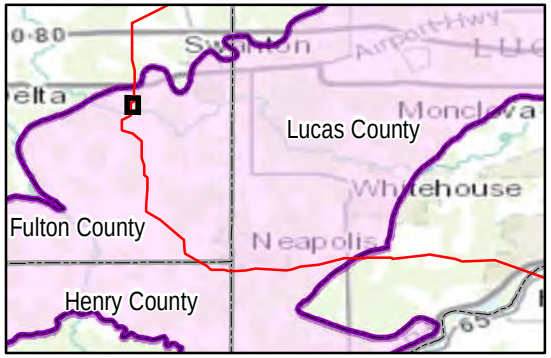
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

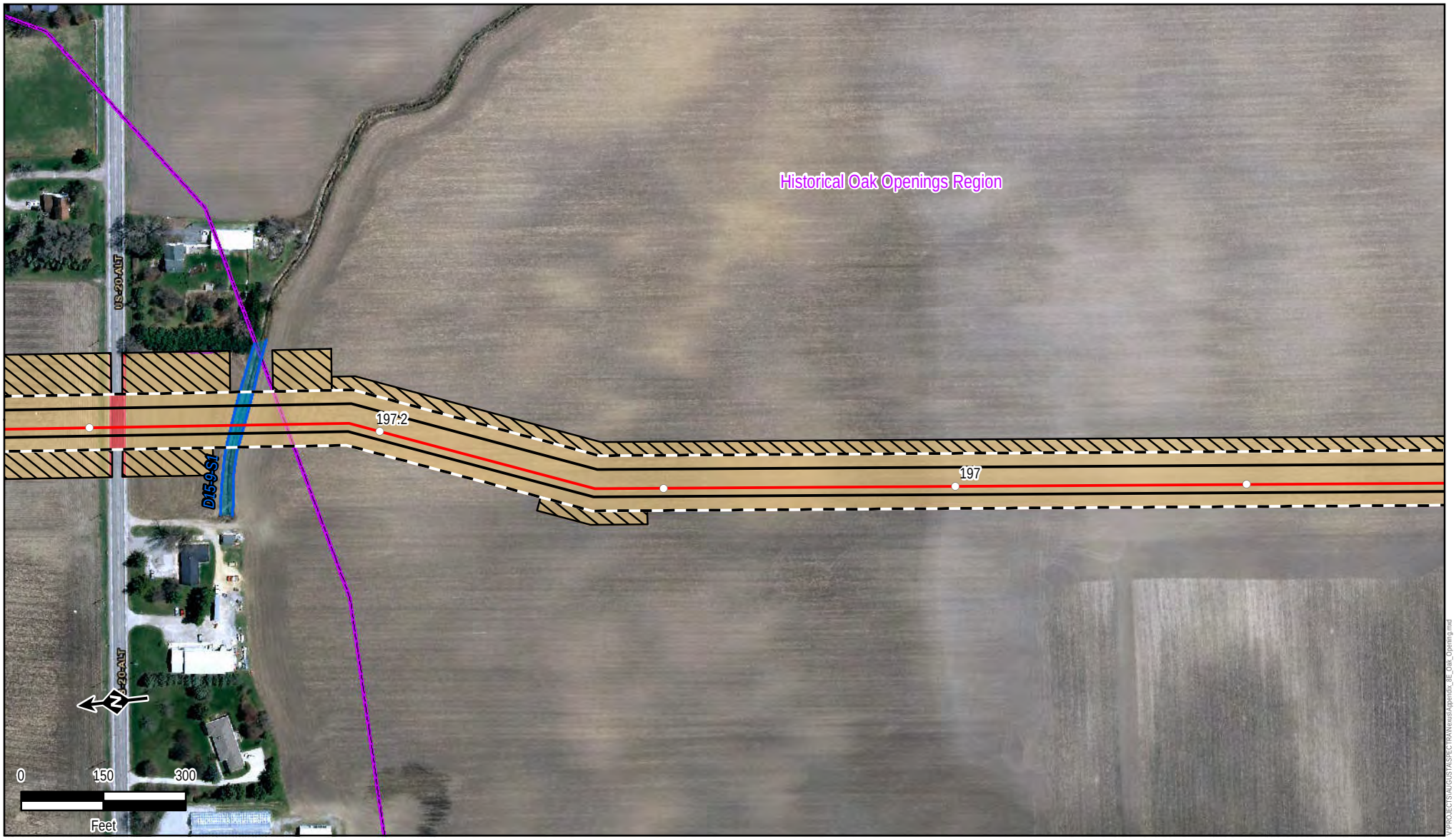
Appendix 8E

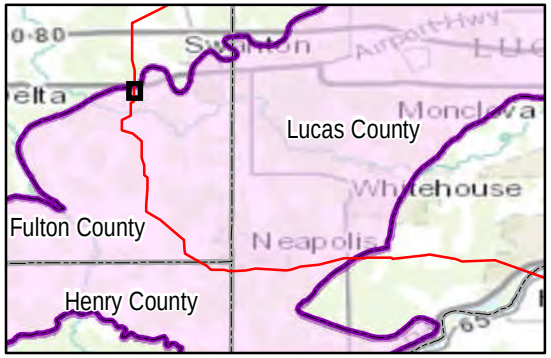
Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015





- Milepost (0.1 mile)
- Proposed NEXUS Mainline Pipeline
- Access Roads
- Permanent Easement
- Temporary Workspace
- ATWS
- Maumee State Forest
- The Nature Conservancy Property
- Historical Oak Openings Region
- Stream Centerline
- Water Edge/TOB
- Water Polygon
- Wetland Delineation Line
- Wetland Polygon

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC

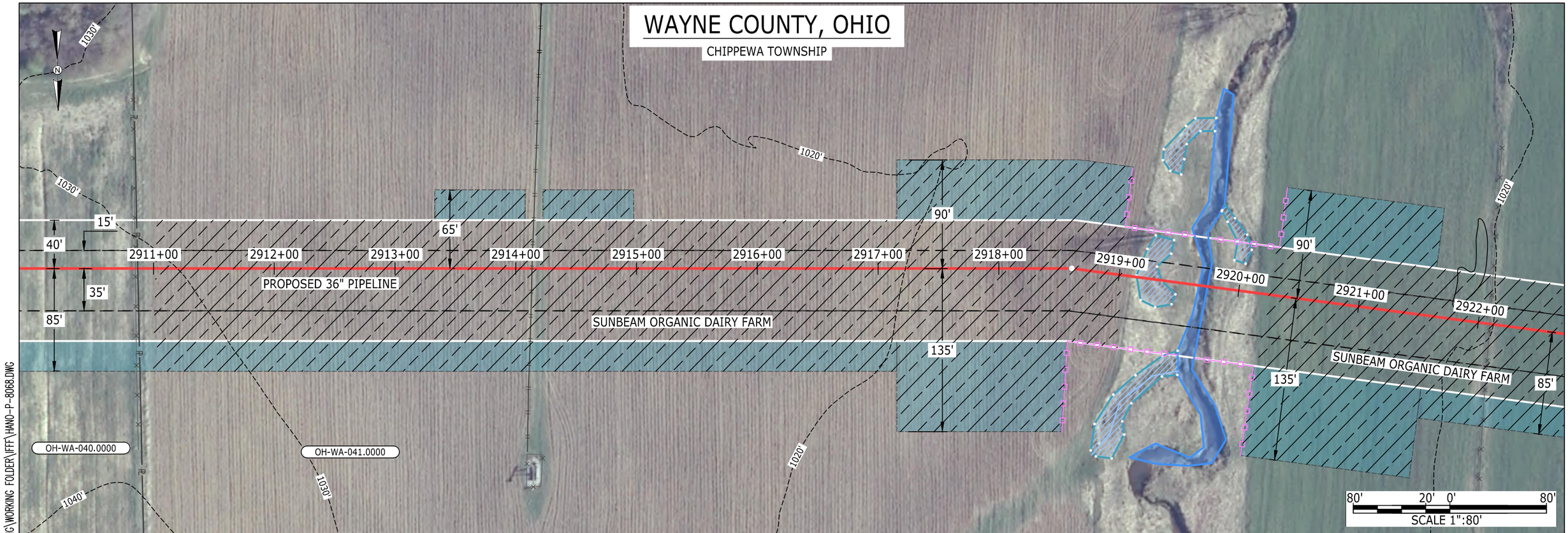
Appendix 8E

Historical Oak Openings Region Crossing Plan

Fulton County, Ohio

NEXUS GAS TRANSMISSION

Created: 11/13/2015



LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

SUNBEAM ORGANIC DAIRY FARM CROSSING IS WITHIN PARCEL TRACT NO. OH-WA-041.0000

OWNED BY JOSEPH D. STOLLER AND MARIAN S. STOLLER TRUSTS.

OPEN CUT CROSSING

NOTES

1. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
2. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
3. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.

REV.#	DESCRIPTION	DATE
0A	ISSUED FOR FERC FILING	10NOV15
0	ISSUED FOR FERC FILING	09NOV15

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 80'	DATE

TITLE:
NEXUS GAS TRANSMISSION PROJECT
SUNBEAM ORGANIC DAIRY FARM CROSSING
MP 55.12 TO MP 55.58

LOC.: WAYNE COUNTY, OHIO | REV.: 0A
YR.: 2017 | W.O. | DWG.NO. HANO-P-8068

NEXUS GAS TRANSMISSION

IG.#

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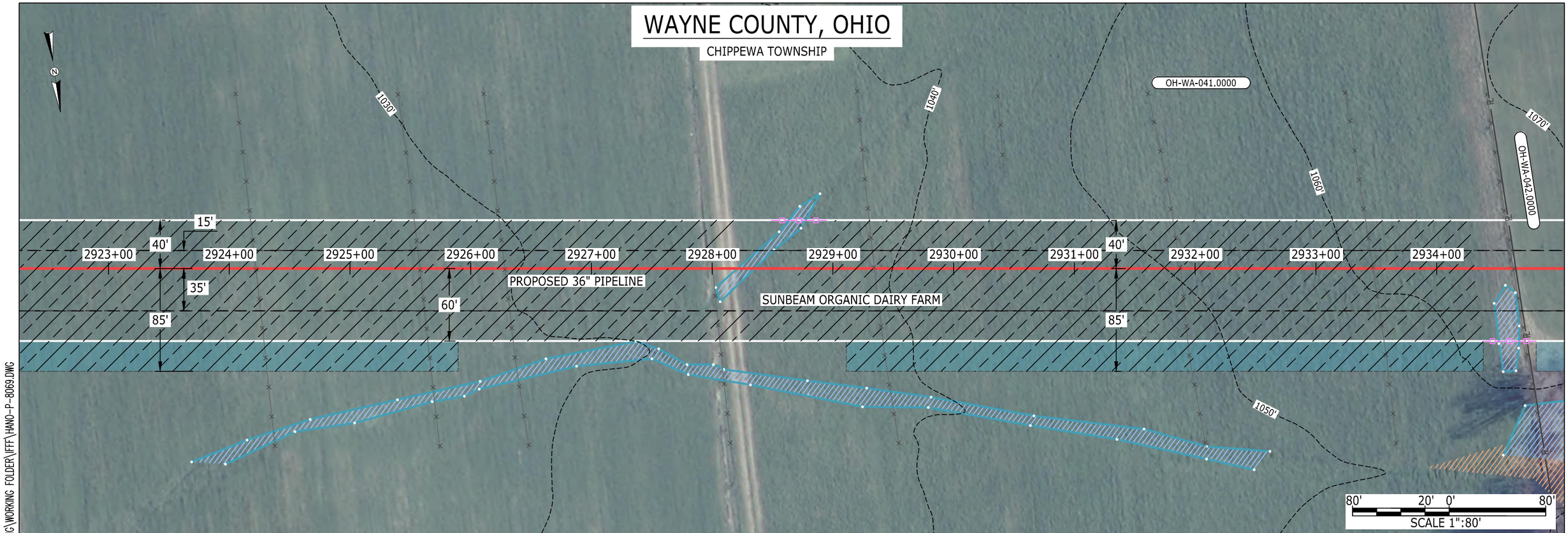

LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

SUNBEAM ORGANIC DAIRY FARM CROSSING, WITHIN PARCEL TRACT NO. OH-WA-041.0000

OWNED BY JOSEPH D. STOLLER AND MARIAN S. STOLLER TRUSTS.

OPEN CUT CROSSING

NOTES

1. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
2. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
3. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.

REV.#	DESCRIPTION	DATE
0A	ISSUED FOR FERC FILING	10NOV15
0	ISSUED FOR FERC FILING	09NOV15

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 80'	DATE

TITLE: NEXUS GAS TRANSMISSION PROJECT
SUNBEAM ORGANIC DAIRY FARM CROSSING
MP 55.12 TO MP 55.58

LOC.: WAYNE COUNTY, OHIO | REV.: 0A

YR.: 2017 | W.O. | DWG.NO. HANO-P-8069

NEXUS GAS TRANSMISSION

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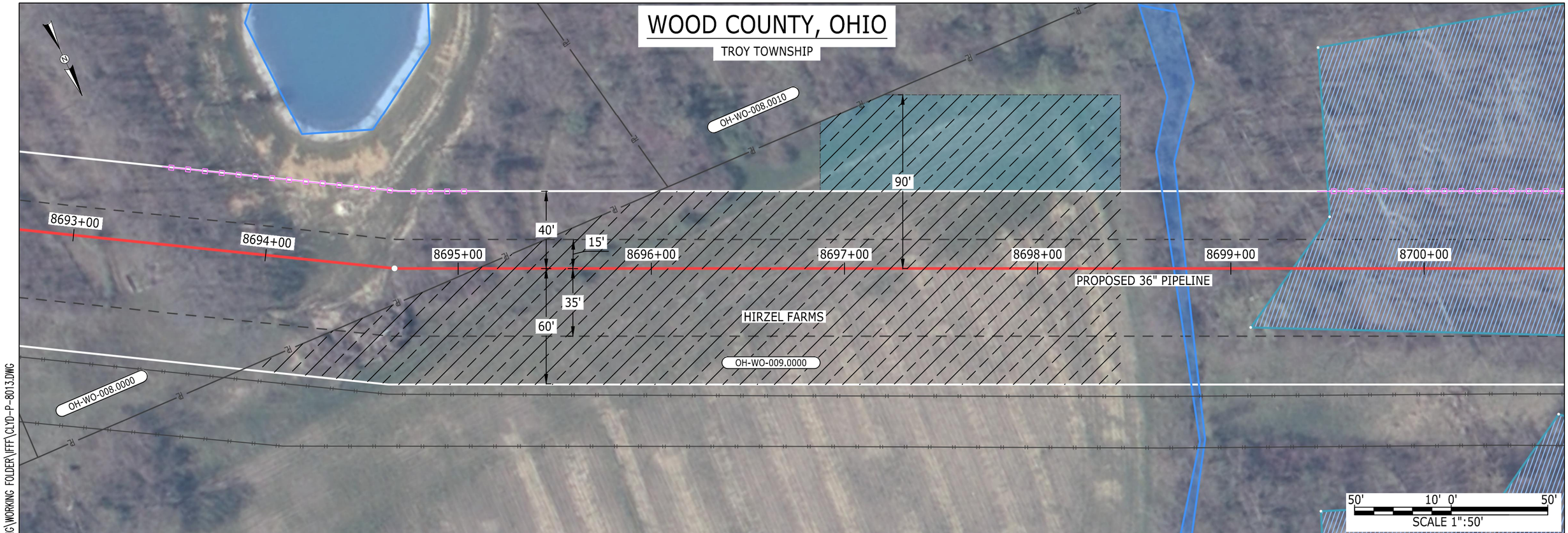


LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

HIRZEL FARMS CROSSING WITHIN PARCEL TRACT NO. OH-WO-009.0000 OWNED BY LIZABETH JO HIRZEL TRUST

NORTHWOOD REALTY CO., OH-WO-009.0001 ABUTS PROJECT TO THE NORTH AND IS ALSO PART OF THE FARM.

OPEN CUT CROSSING

NOTES

1. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
2. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
3. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.

REV.#	DESCRIPTION	DATE
0B	ISSUED FOR FERC FILING	10NOV15
0A	ISSUED FOR FERC FILING	06NOV15
0	ISSUED FOR FERC FILING	03NOV15

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 50'	DATE

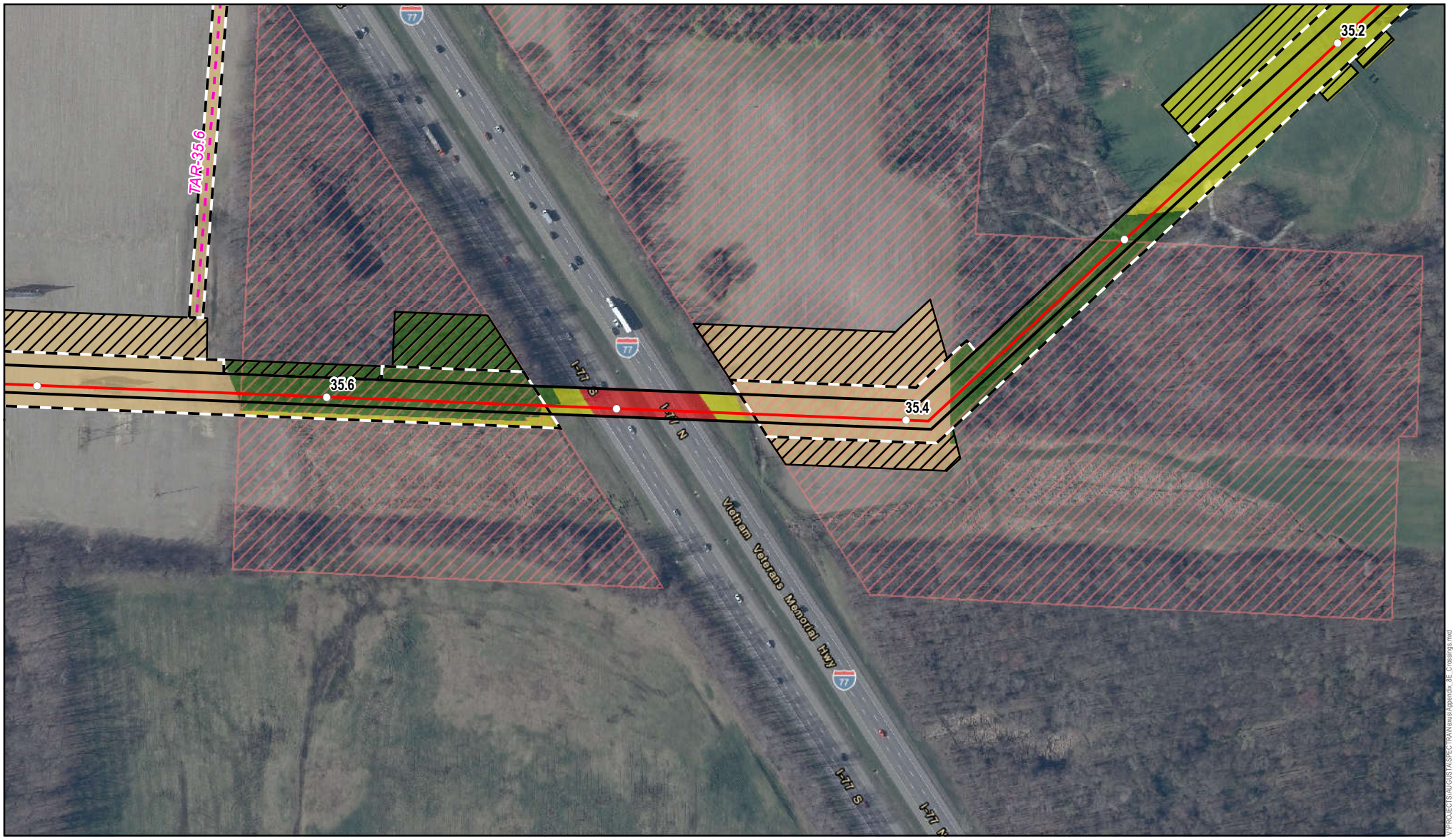
TITLE: NEXUS GAS TRANSMISSION PROJECT
HIRZEL FARMS CROSSING
MP 164.67 TO MP 164.94

LOC.: WOOD COUNTY, OHIO | REV.: 0B
YR.: 2017 | W.O. | DWG.NO. CLYD-P-8013

NEXUS GAS TRANSMISSION

IG.#

MES13858
November 10, 2015 8:34am Filename: P:\CAD\295_PIPELINE\TRAIL CROSSING\WORKING FOLDER\FFT\CLYD-P-8013.DWG



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

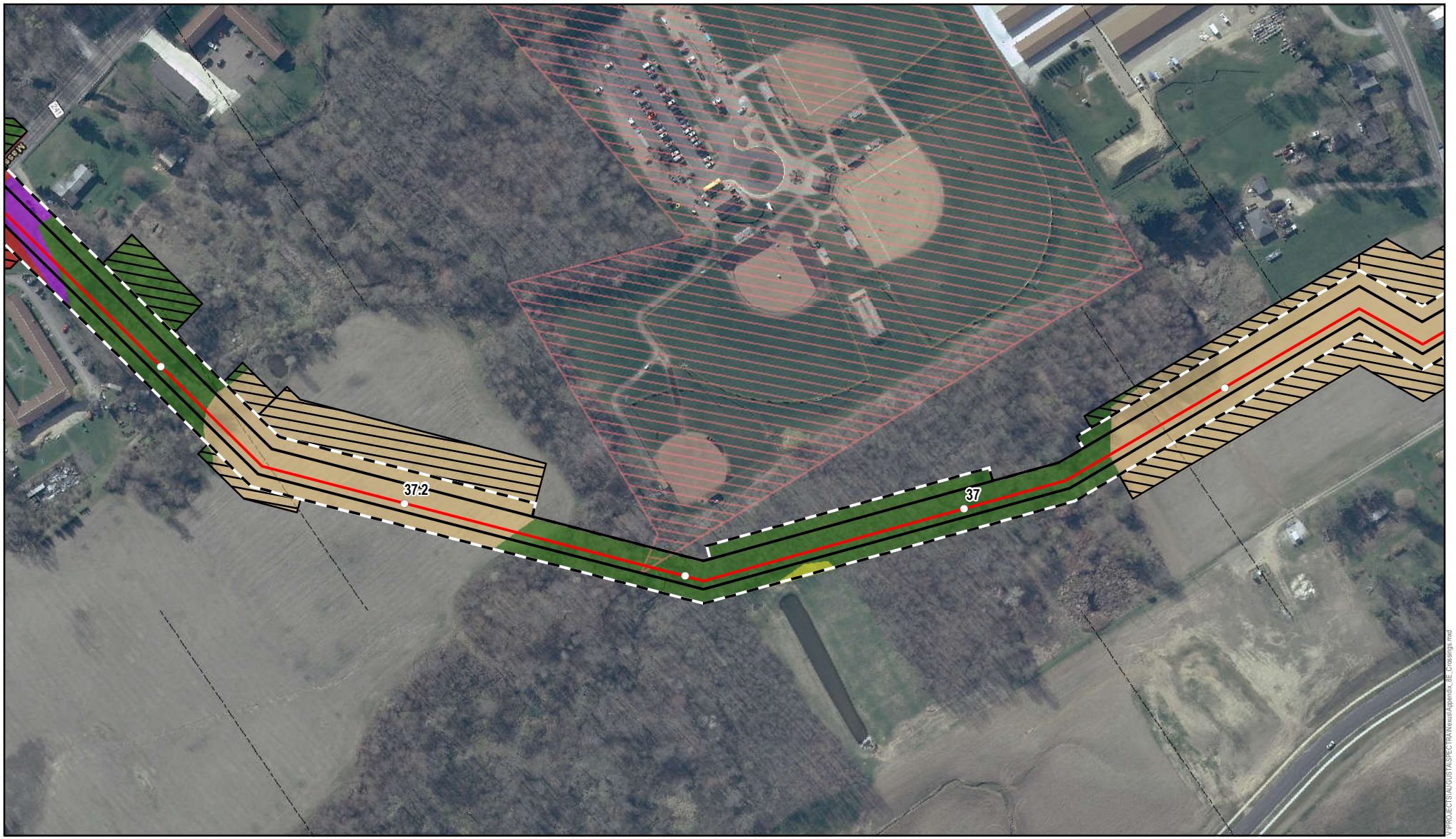
Appendix 8E

Ariss Park
Crossing Plan

Summit County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

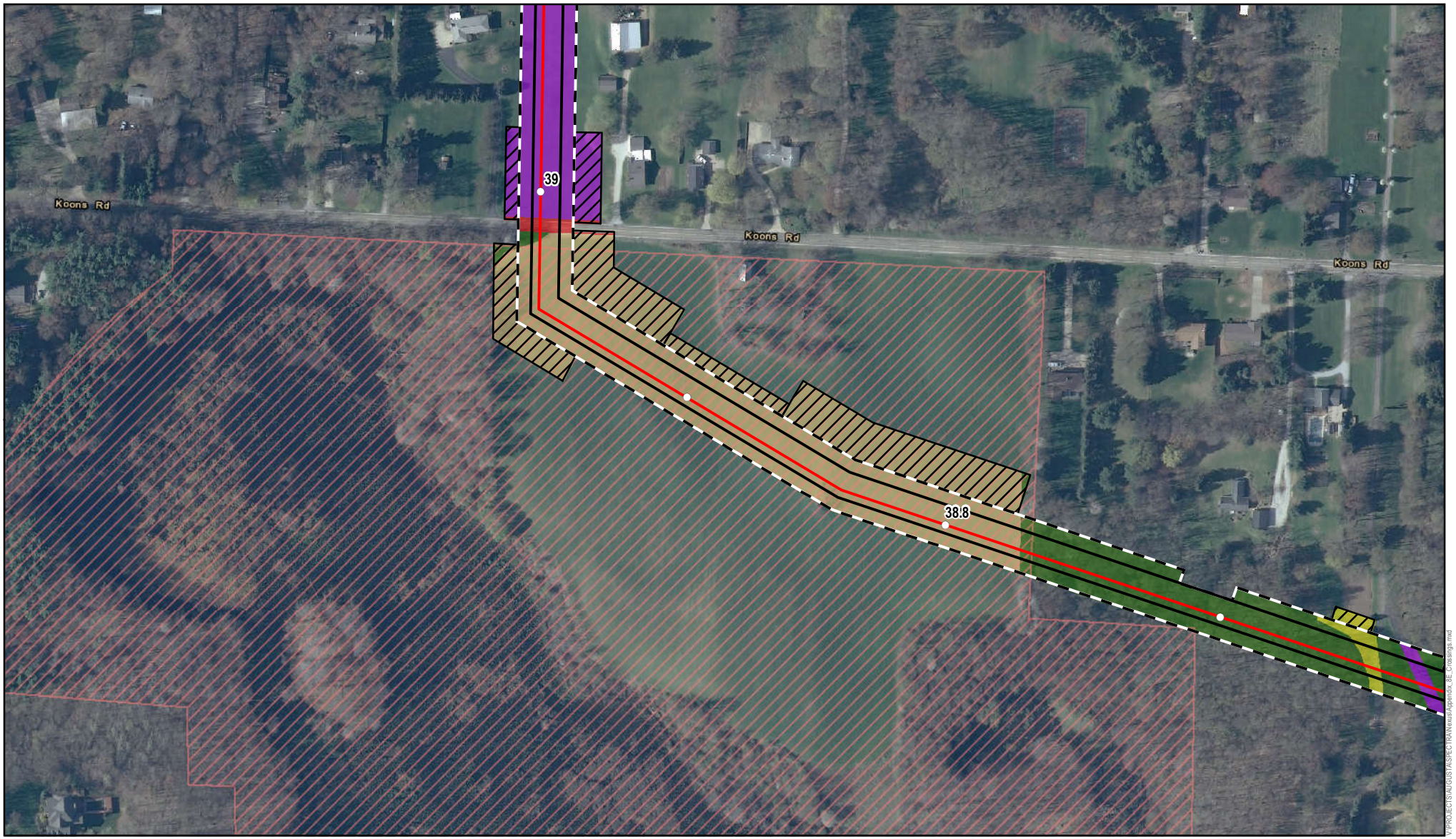
Appendix 8E

Greensburg Park
Crossing Plan

Summit County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties
Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

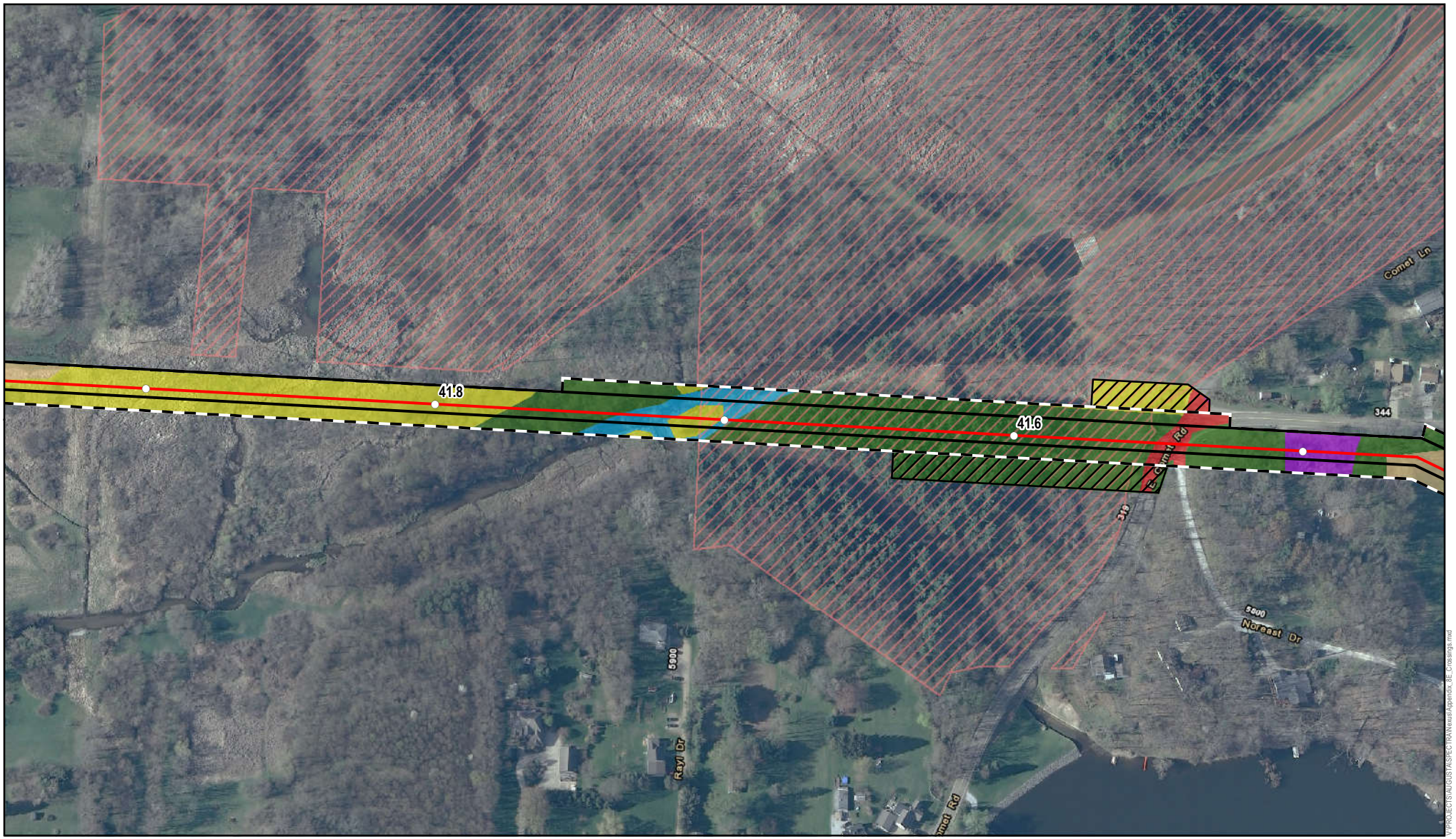
Appendix 8E

Singer Lake Preserve
Crossing Plan

Summit County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

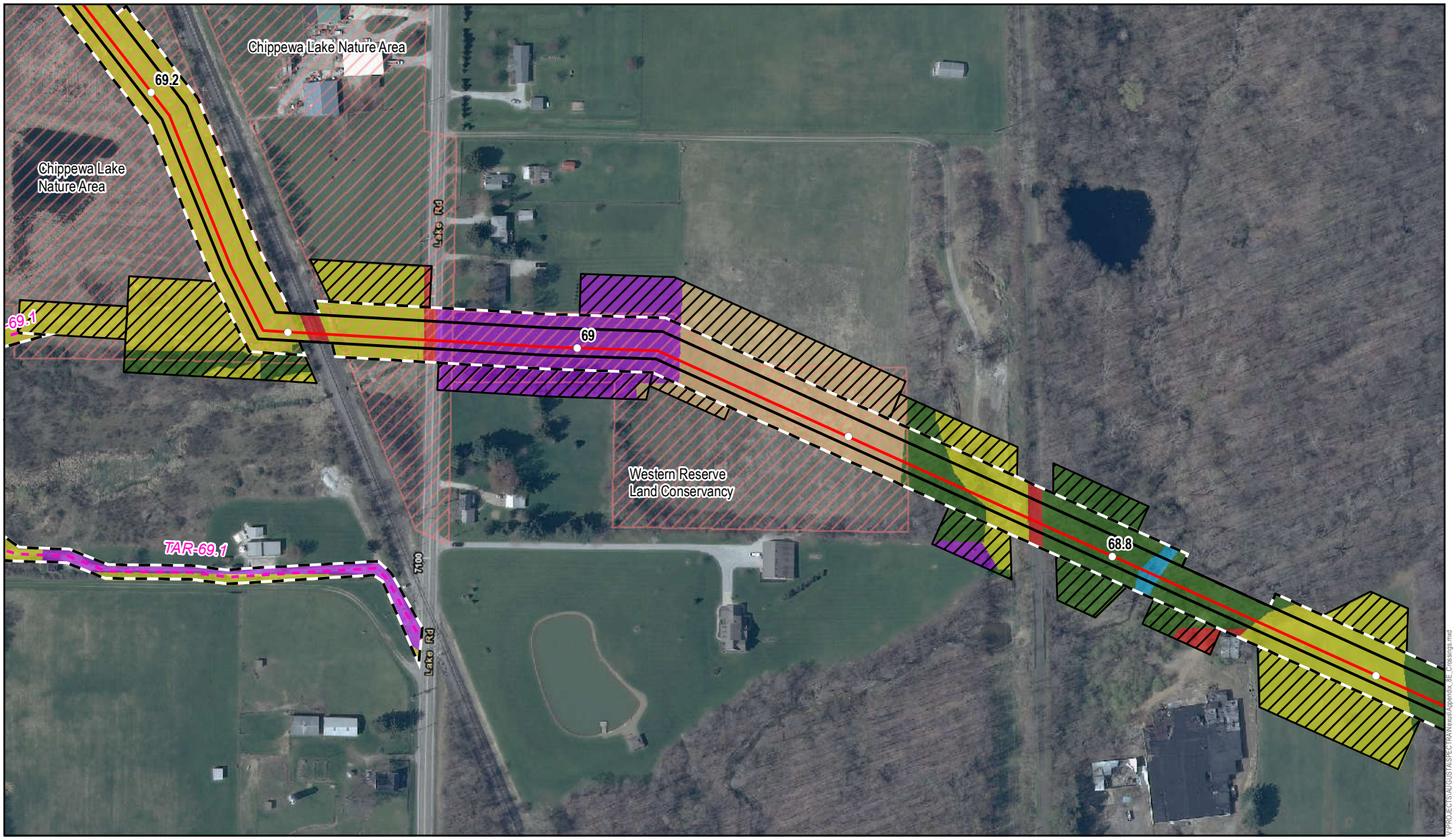
Appendix 8E

Portage Lakes State Park
Crossing Plan

Summit County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties

Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

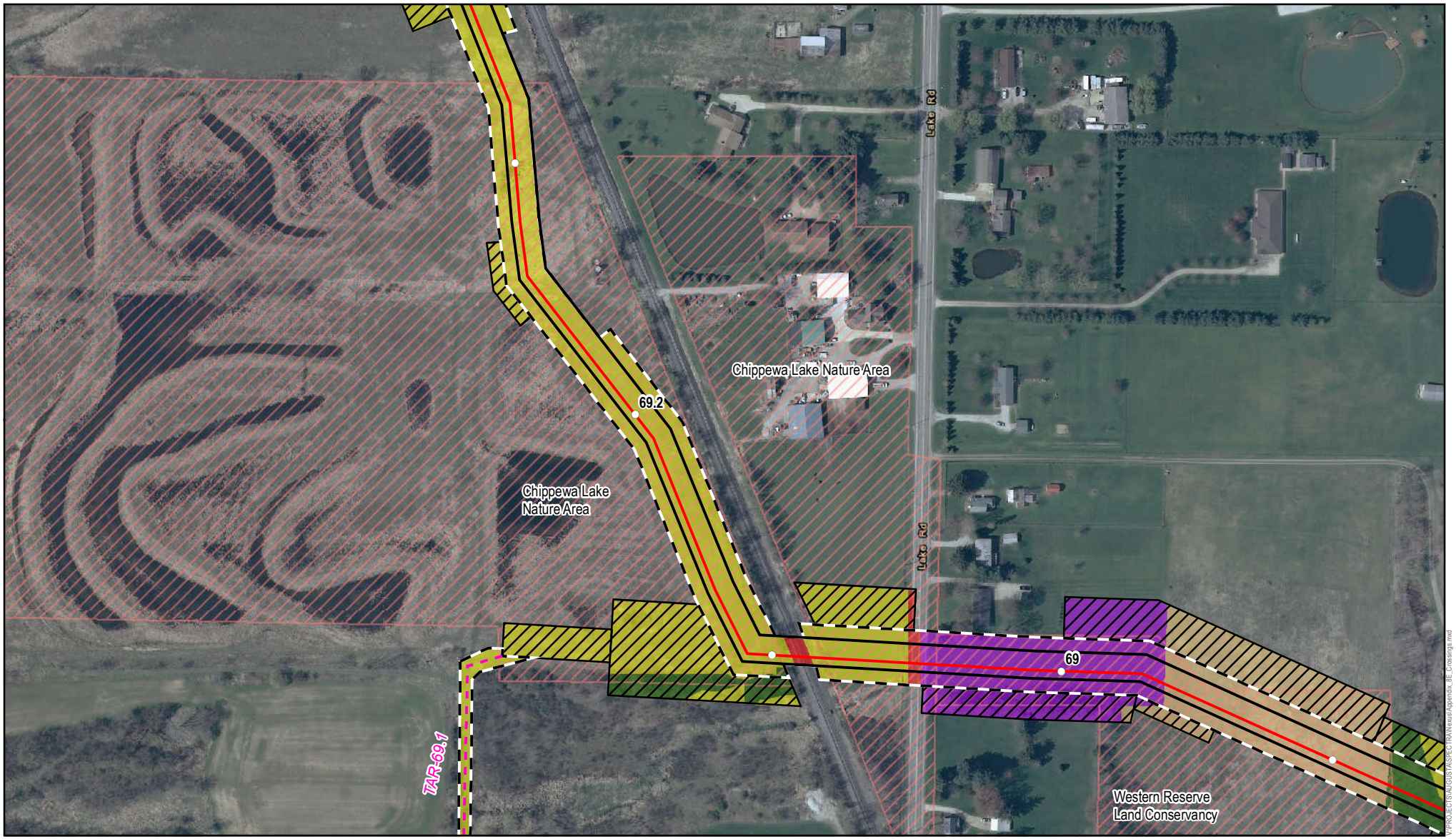
Appendix 8E

Western Reserve Land Conservancy
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties

Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

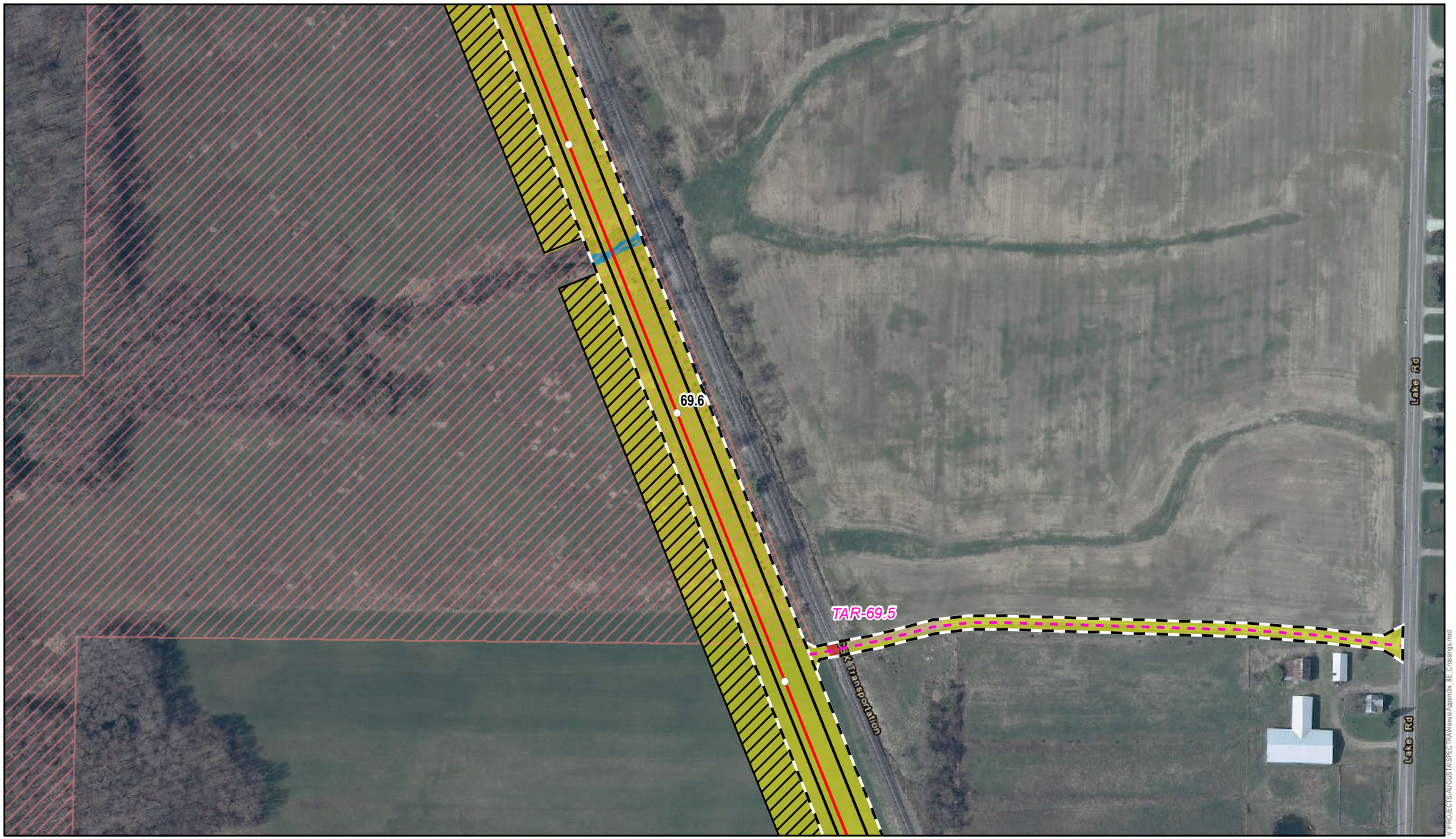
Chippewa Lake Nature Area
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Map 1 of 4

Created: 11/16/2015



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties
Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

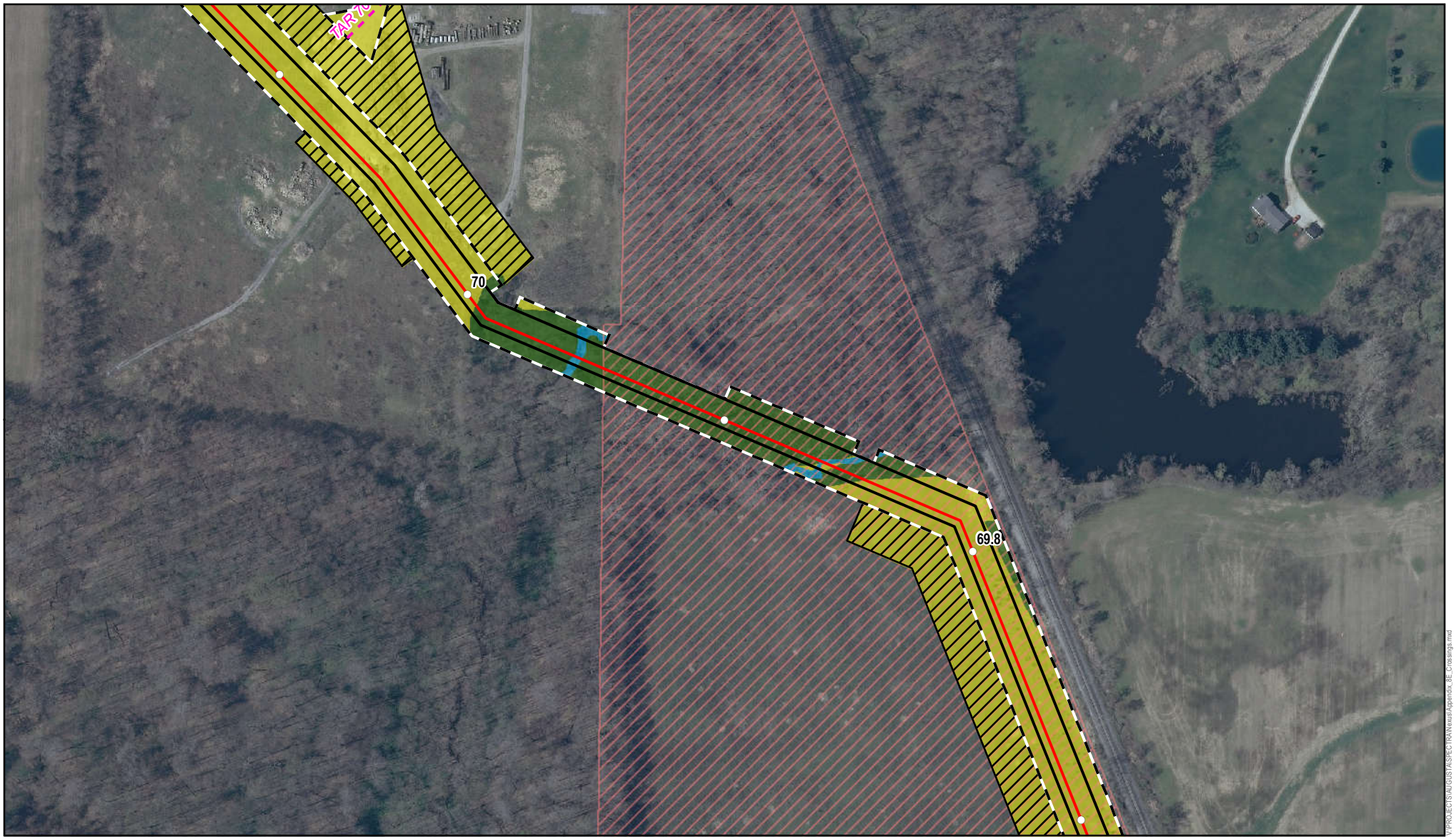
Chippewa Lake Nature Area
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Map 2 of 4

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

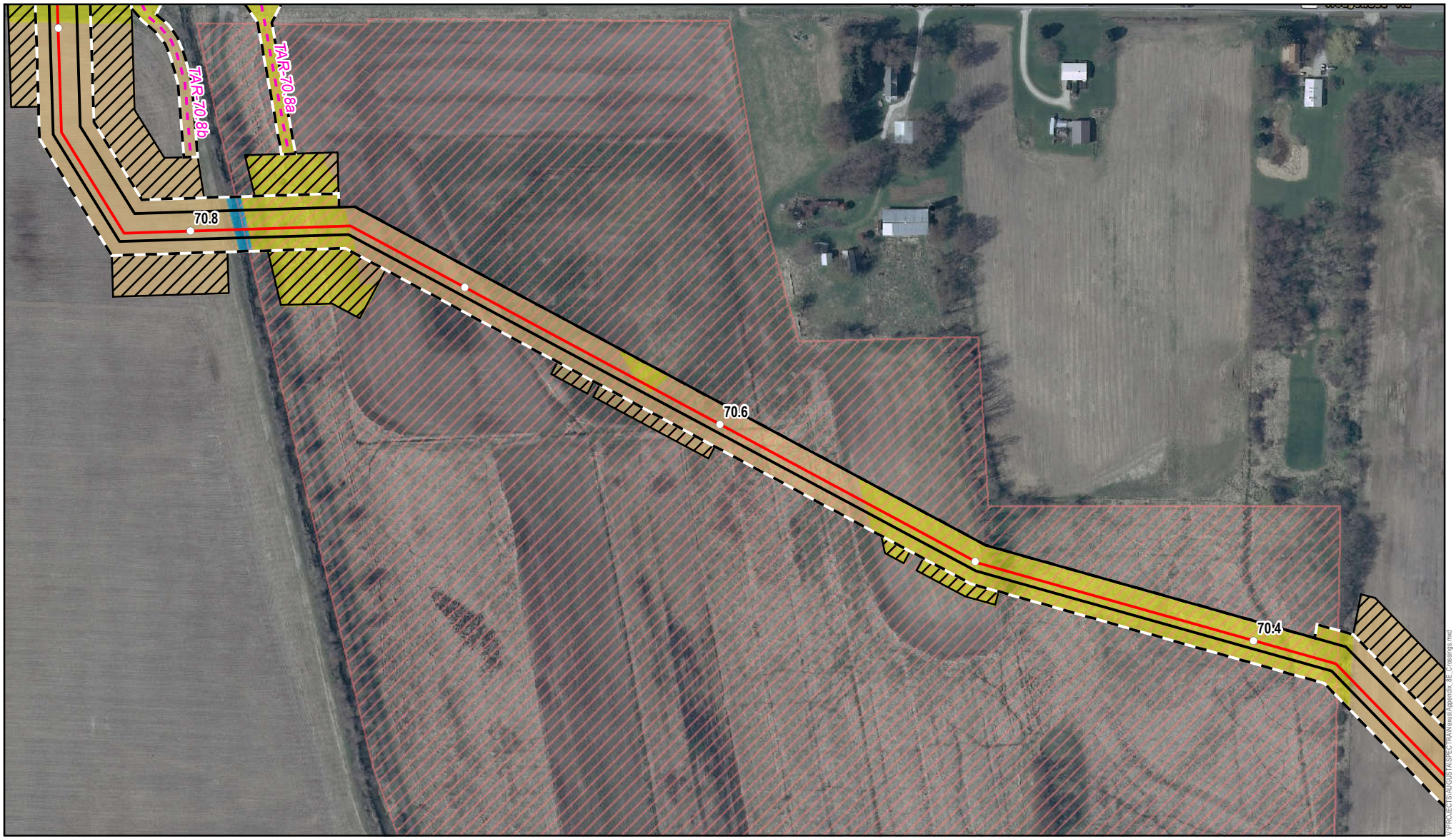
Chippewa Lake Nature Area
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Map 3 of 4

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

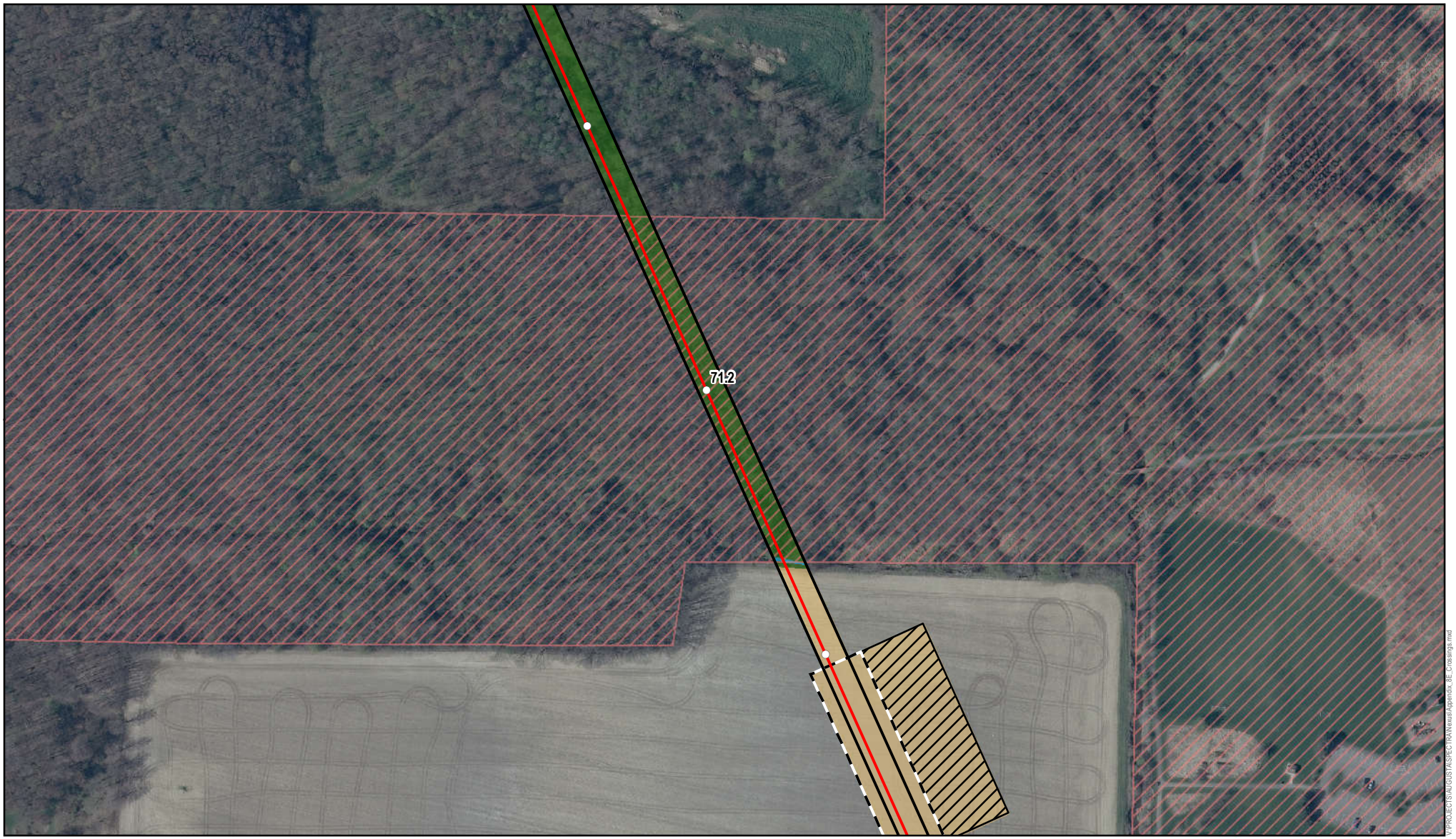
Chippewa Lake Nature Area
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Map 4 of 4

Created: 11/16/2015



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties

Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

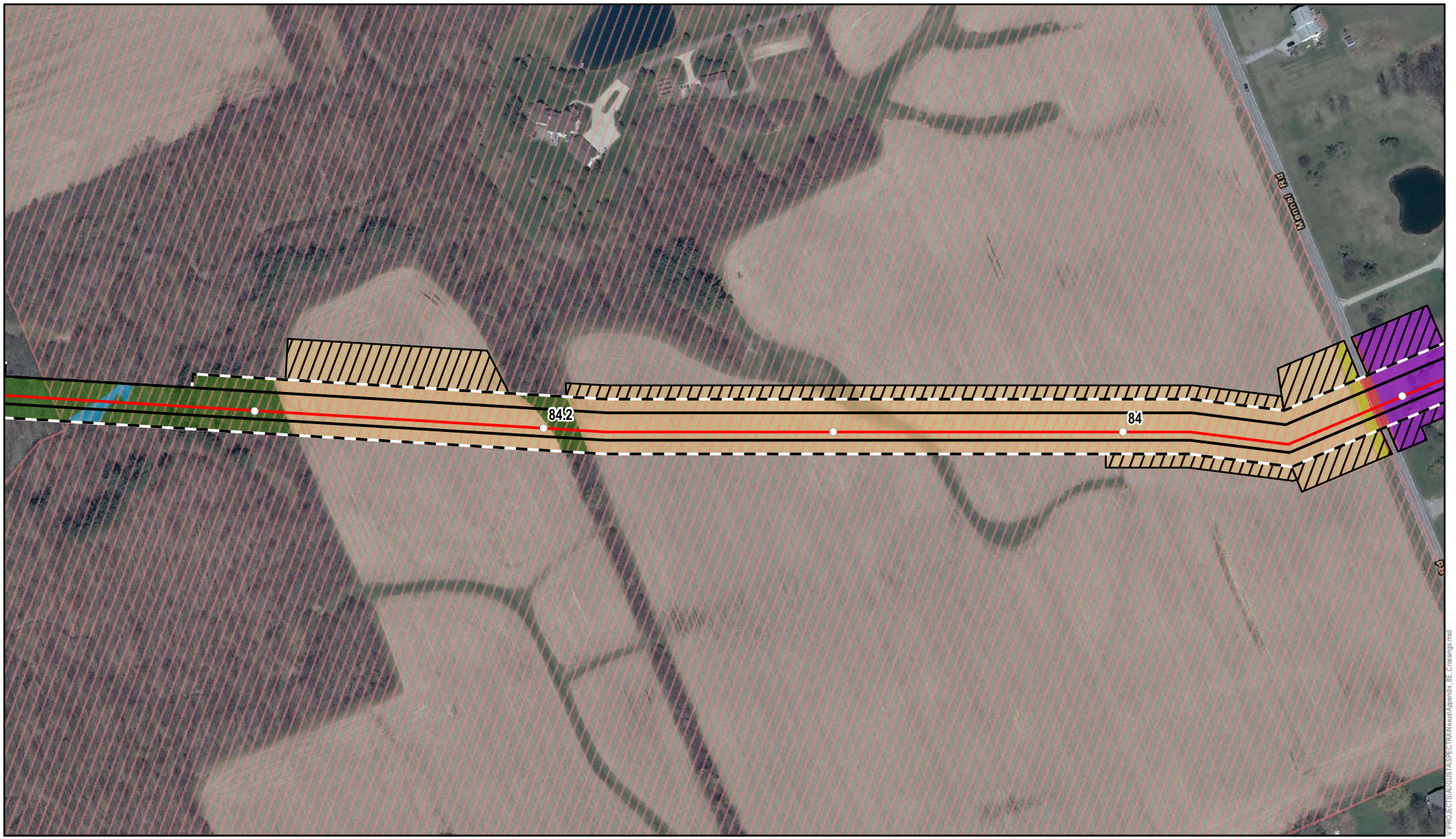
Appendix 8E

Buckeye Woods Park
Crossing Plan

Medina County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

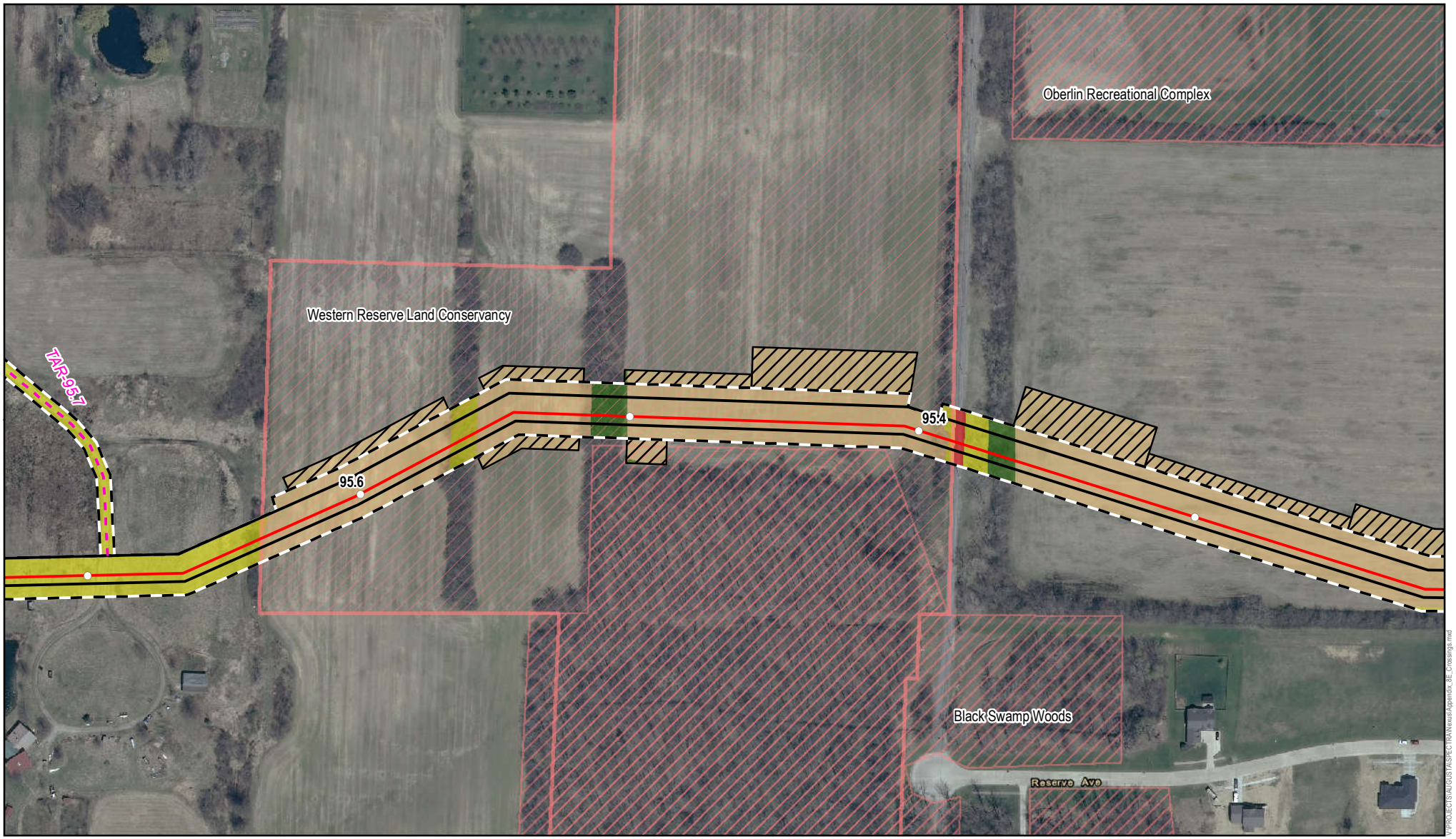
Appendix 8E

Western Reserve Land Conservancy Crossing Plan

Lorain County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

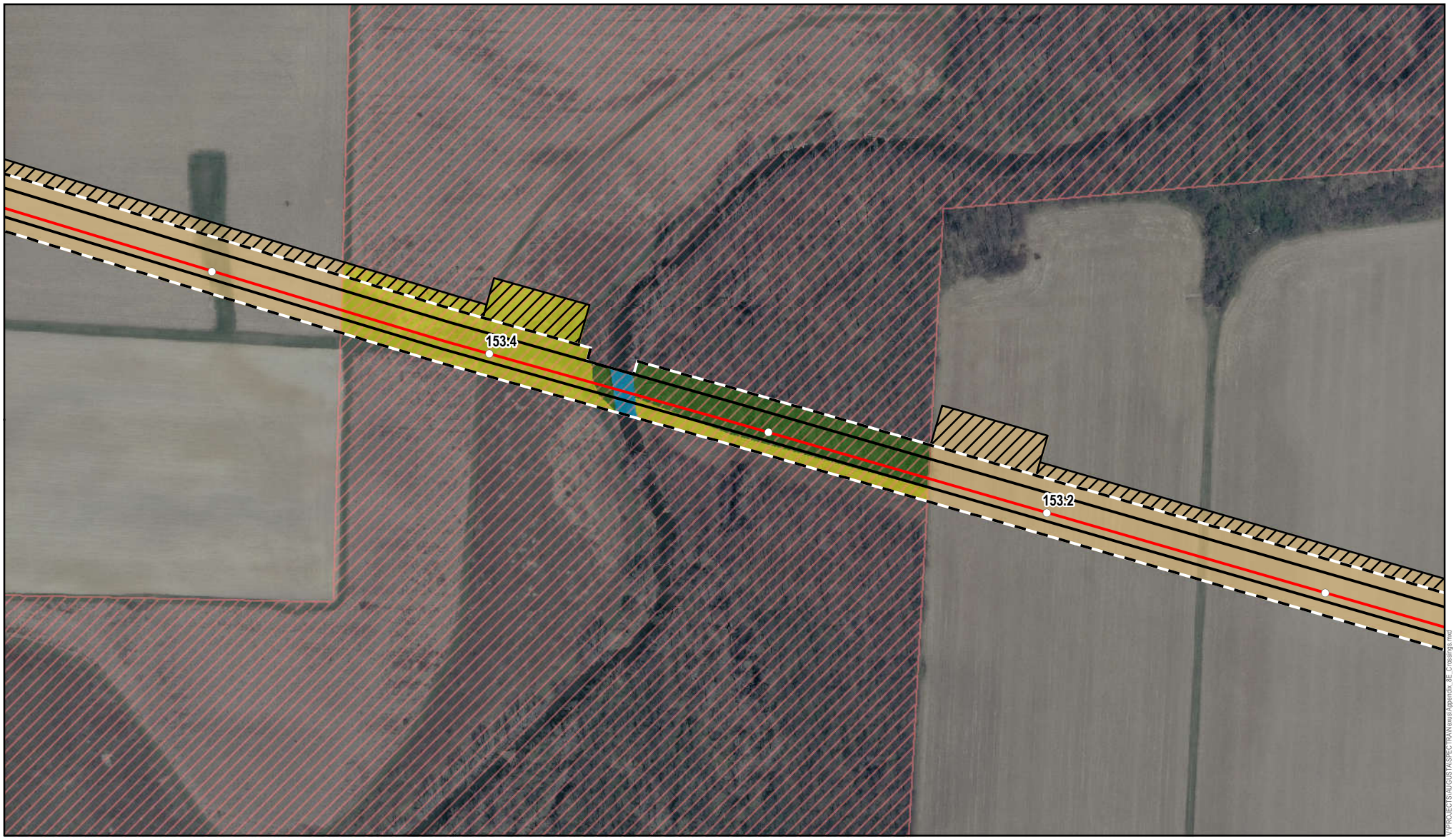
Western Reserve Land Conservancy
Crossing Plan

Lorain County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015

V:\PROJECTS\NUGUS\NSPECTRA\Nexus\Appendix_8E_Crossings.mxd



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties

Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

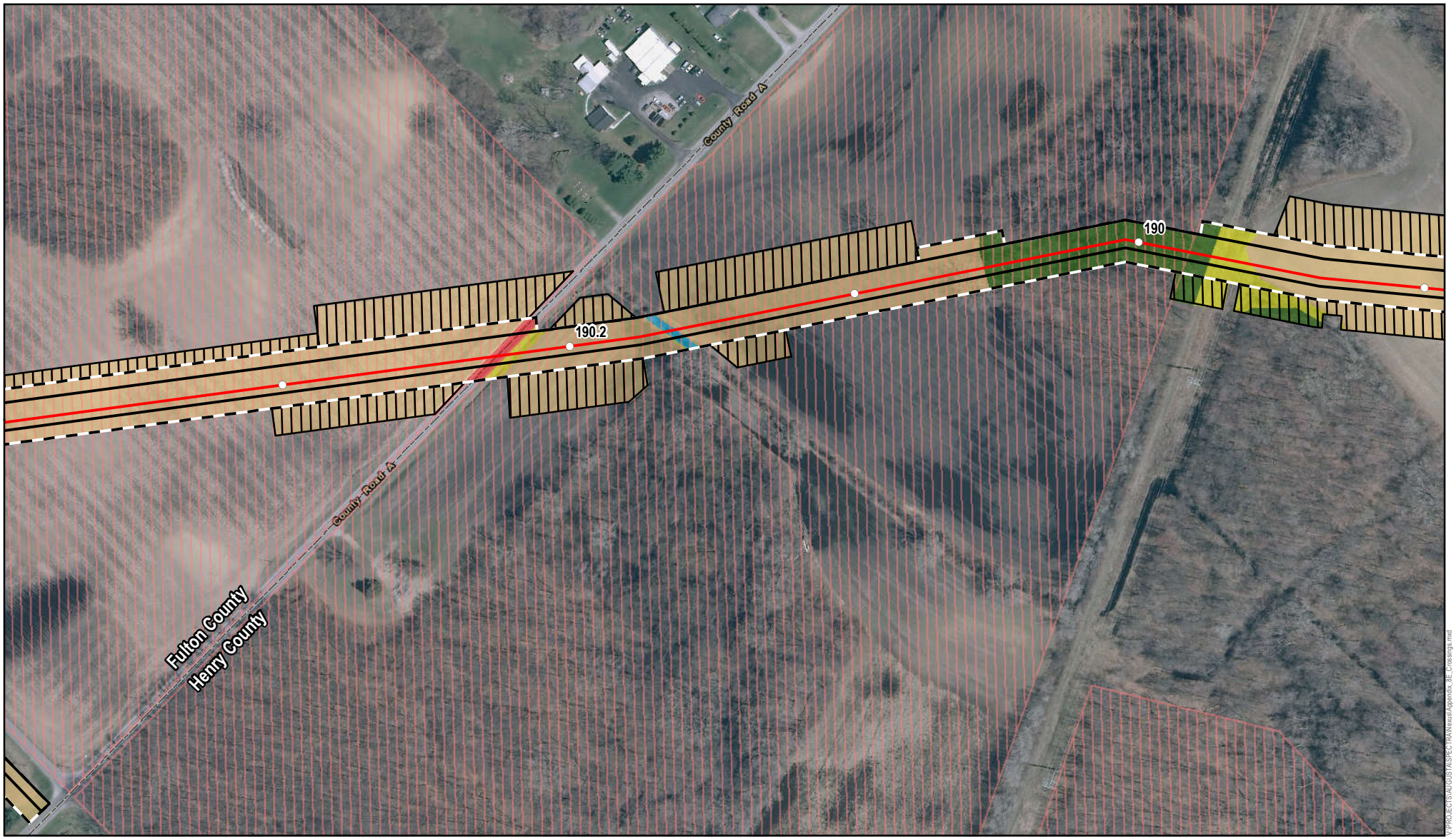
Appendix 8E

Creek Bend Farm
Crossing Plan

Sandusky County, OH

NEXUS GAS TRANSMISSION

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

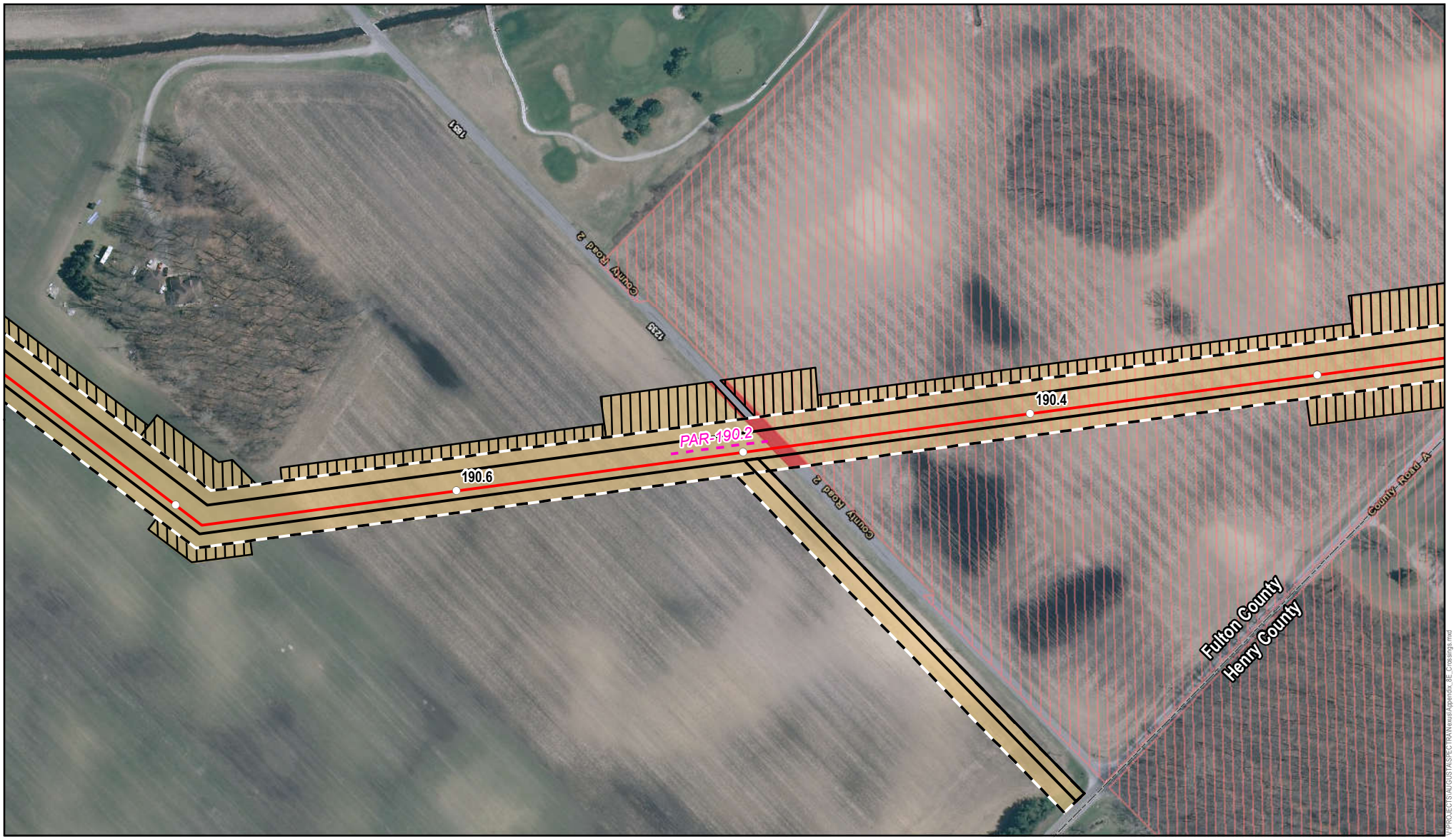
The Nature Conservancy Property Crossing Plan

Henry County, OH

NEXUS GAS TRANSMISSION

Map 1 of 2

Created: 11/16/2015



- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use

- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

The Nature Conservancy Property Crossing Plan

Fulton County, OH

NEXUS GAS TRANSMISSION

Map 2 of 2

Created: 11/16/2015

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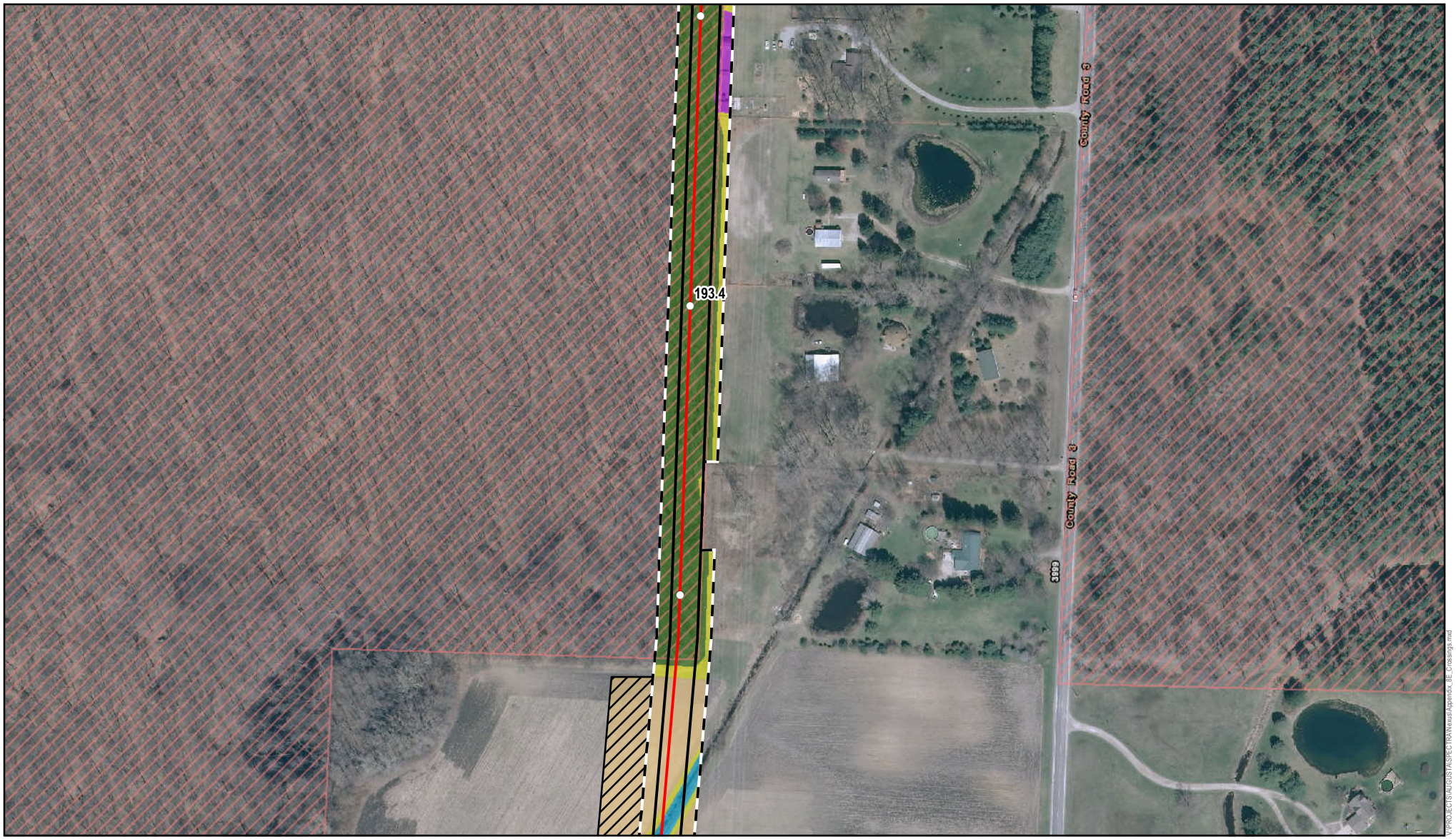


- Milepost (0.1 mile)
- Access Roads
- Proposed NEXUS Mainline Pipeline
- ATWS
- Permanent Easement
- Temporary Workspace
- Project Counties
- Public Land to be Crossed

Land Use
- Agricultural
- Commercial/Industrial
- Forest/Woodland
- Open Land
- Open Water
- Residential

N

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

Maumee State Forest
Crossing Plan

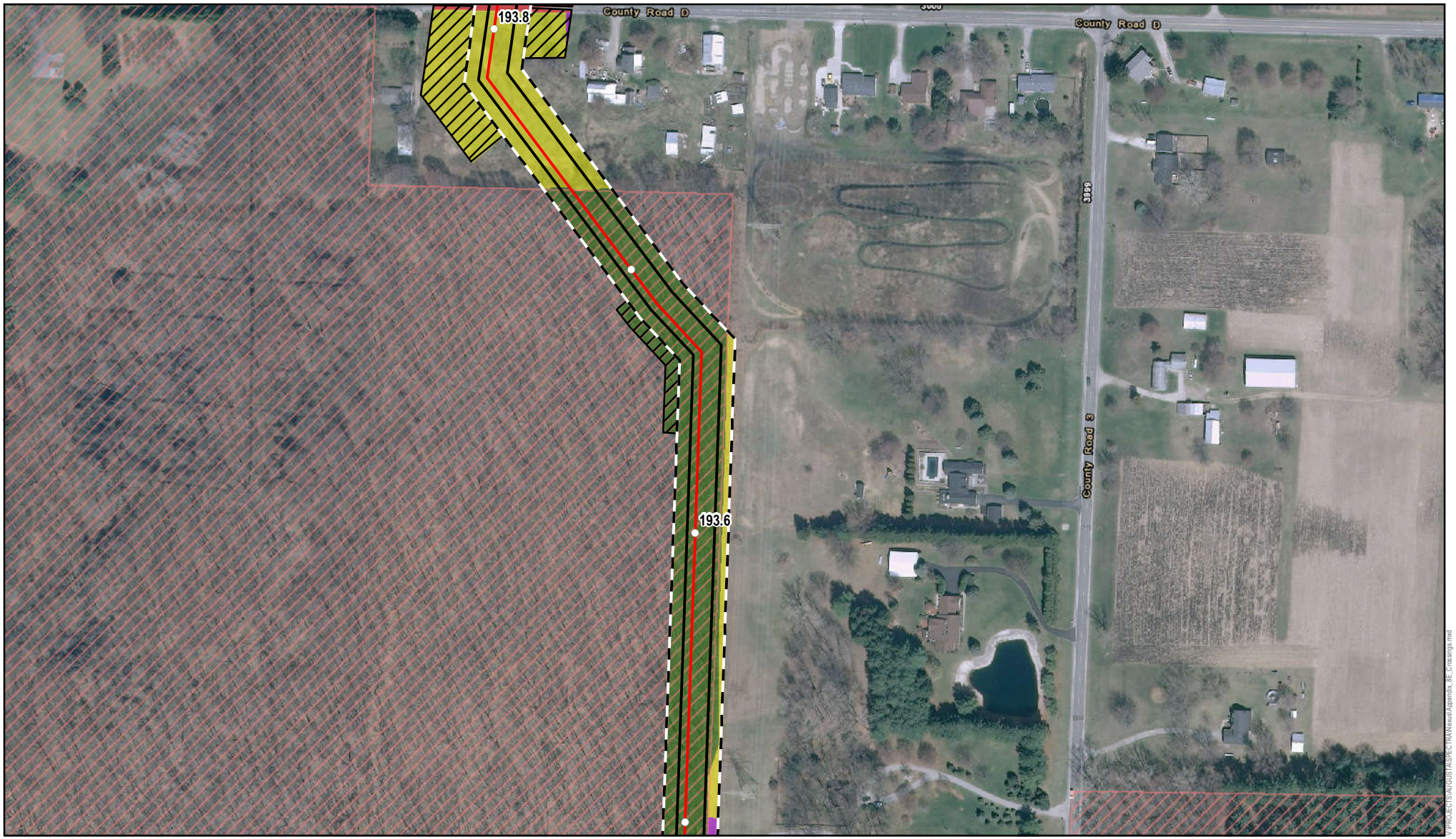
Fulton County, OH

NEXUS GAS TRANSMISSION

Map 1 of 2

Created: 11/16/2015

V:\PROJECTS\NUGUS\NSPECTRA\Nexus\Appendix_8E_Crossings.mxd



Milepost (0.1 mile)
Access Roads
Proposed NEXUS Mainline Pipeline
ATWS
Permanent Easement
Temporary Workspace
Project Counties
Public Land to be Crossed

Land Use
Agricultural
Commercial/Industrial
Forest/Woodland
Open Land
Open Water
Residential

0 150 300 Feet

Projection: NAD83, UTM Zone 17N US Survey Feet. Sources: TNC, ESRI, Ohio DNR, SPECTRA, TRC, National Geographic

Appendix 8E

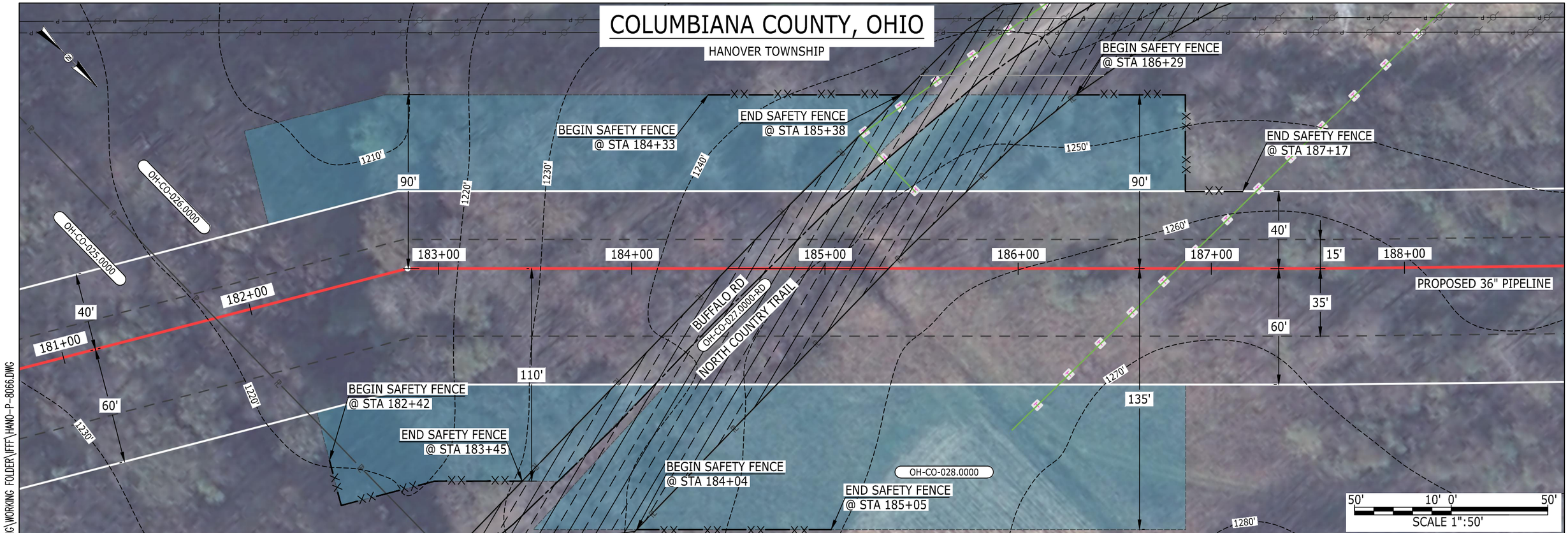
Maumee State Forest
Crossing Plan

Fulton County, OH

NEXUS GAS TRANSMISSION

Map 2 of 2

Created: 11/16/2015



LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

NORTH COUNTRY TRAIL CROSSING WITHIN PARCEL TRACT NO. OH-CO-027.0000-RD

MANAGED BY THE NATIONAL PARK SERVICE. TRAIL PARALLELS BUFFALO ROAD.

OPEN CUT CROSSING

NOTES

1. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION WORKSPACE FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF CONSTRUCTION WORKSPACE.
2. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
3. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
4. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.
5. FINAL SAFETY FENCE LOCATION IS AT THE DIRECTION OF NEXUS AND/OR THE PIPELINE CONTRACTOR.

REV.#	DESCRIPTION	DATE
0B	ISSUED FOR FERC FILING	10NOV15
0A	ISSUED FOR FERC FILING	06NOV15
0	ISSUED FOR FERC FILING	03NOV15

IG.#

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 50'	DATE

TITLE: NEXUS GAS TRANSMISSION PROJECT
NORTH COUNTRY TRAIL CROSSING
MP 3.49 TO MP 3.51

LOC.: COLUMBIANA COUNTY, OHIO — REV.: 0B

YR.: 2017 — W.O. — DWG.NO. HANO-P-8066

NEXUS GAS TRANSMISSION

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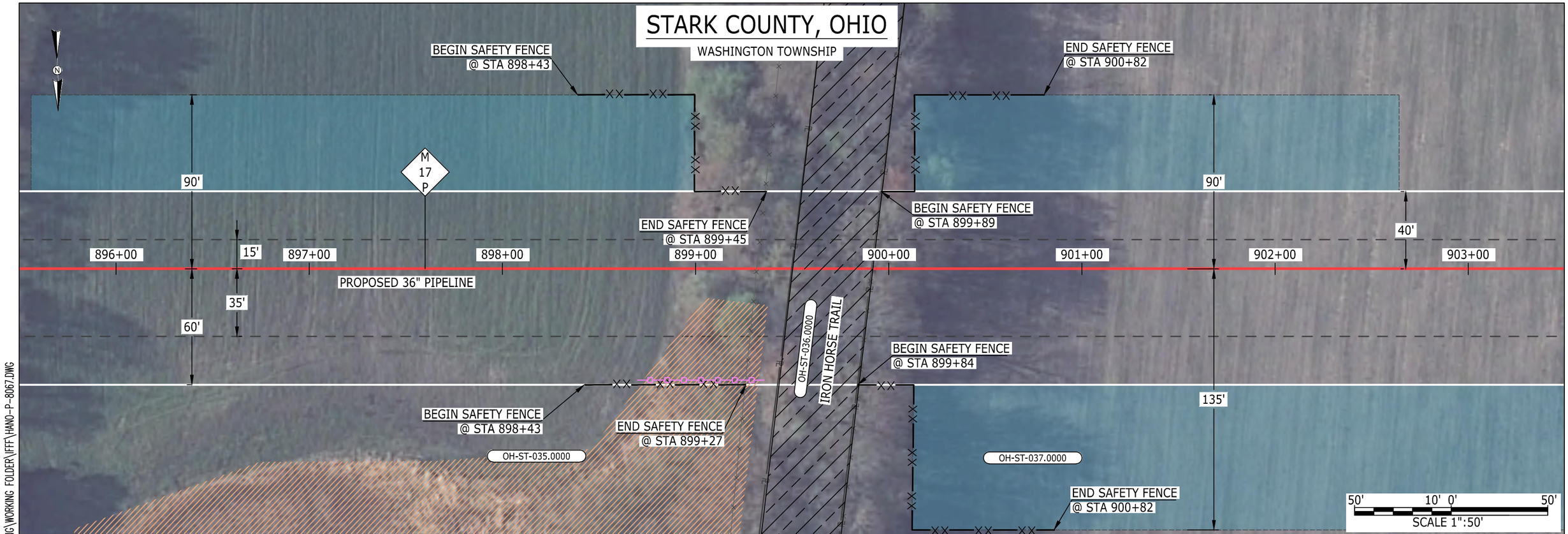
November 10, 2015 8:47am Filename: P:\CAD\295_PIPELINE\TRAIL CROSSING\WORKING FOLDER\FFT\HANO-P-8066.DWG



LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

FORMER RAILROAD RIGHT OF WAY, IRON HORSE TRAIL CROSSING IS WITHIN PARCEL TRACT NO. OH-ST-036.0000

OWNED BY STARK COUNTY PARK DISTRICT.

OPEN CUT CROSSING

NOTES

1. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION WORKSPACE FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF CONSTRUCTION WORKSPACE.
2. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
3. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
4. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.
5. FINAL SAFETY FENCE LOCATION IS AT THE DIRECTION OF NEXUS AND/OR THE PIPELINE CONTRACTOR.

REV.#	DESCRIPTION	DATE
0B	ISSUED FOR FERC FILING	10NOV15
0A	ISSUED FOR FERC FILING	06NOV15
0	ISSUED FOR FERC FILING	03NOV15

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 50'	DATE

TITLE: NEXUS GAS TRANSMISSION PROJECT
IRON HORSE TRAIL CROSSING
MP 17.03

LOC.: STARK COUNTY, OHIO — REV.: 0B

YR.: 2017 — W.O. — DWG.NO. HANO-P-8067

NEXUS GAS TRANSMISSION

IG.#

MES13858
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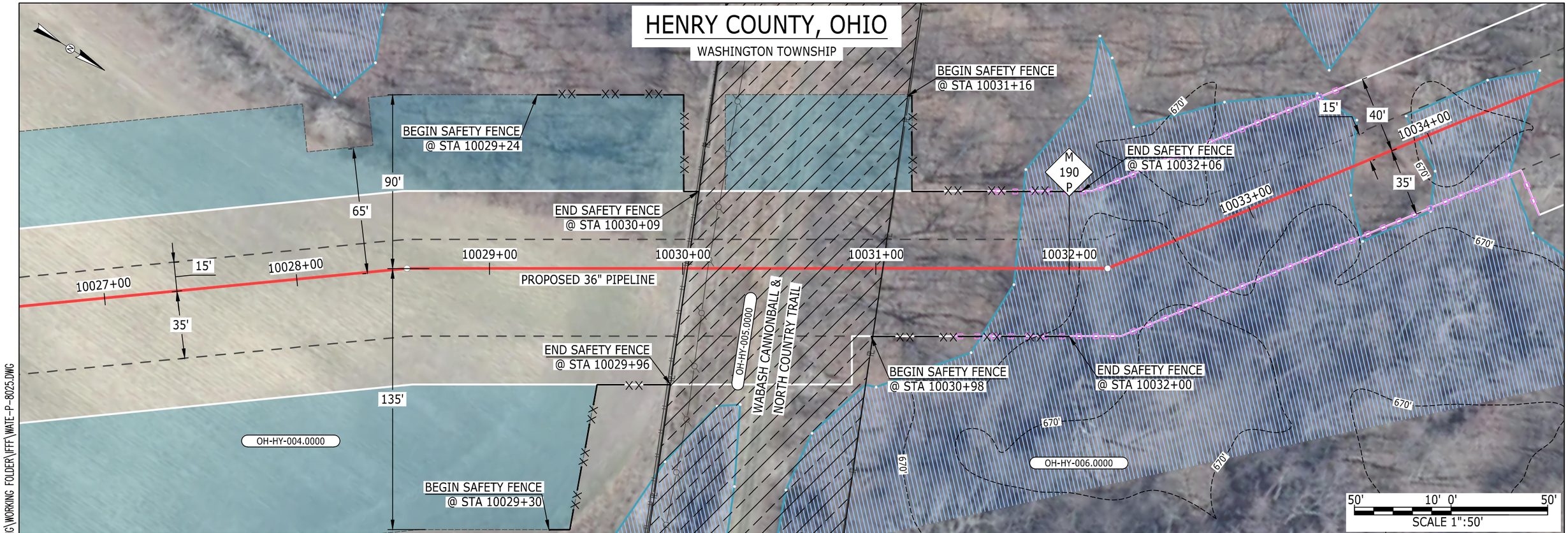


LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

WABASH CANNONBALL & NORTH COUNTRY TRAIL CROSSING IS WITHIN PARCEL TRACT NO. OH-HY-005.0000

OWNED BY NORTH-WESTERN OHIO RAILS TO TRAILS ASSOCIATION, INC. AND MANAGED BY THE NATIONAL PARK SERVICE.

OPEN CUT CROSSING

NOTES

1. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION WORKSPACE FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF CONSTRUCTION WORKSPACE.
2. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
3. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
4. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.
5. FINAL SAFETY FENCE LOCATION IS AT THE DIRECTION OF NEXUS AND/OR THE PIPELINE CONTRACTOR.

REV.#	DESCRIPTION	DATE
0B	ISSUED FOR FERC FILING	10NOV15
0A	ISSUED FOR FERC FILING	06NOV15
0	ISSUED FOR FERC FILING	03NOV15

IG.#

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 50'	DATE

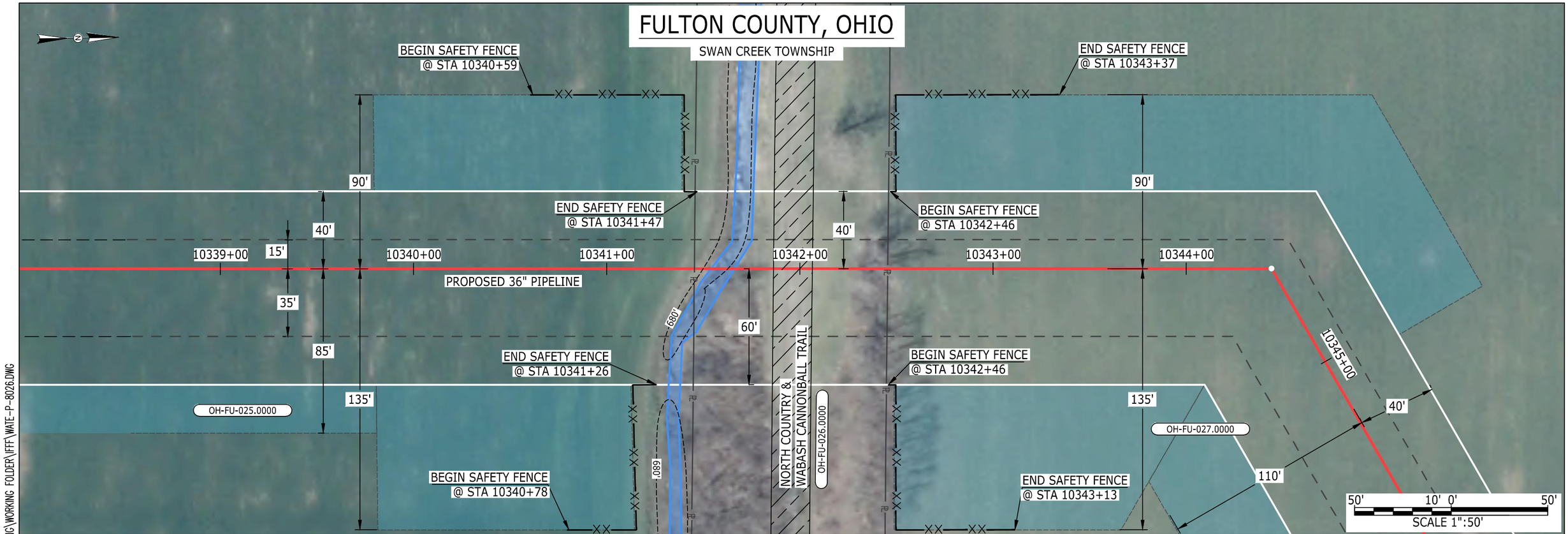
TITLE: NEXUS GAS TRANSMISSION PROJECT
WABASH CANNONBALL & NORTH COUNTRY TRAIL CROSSING
MP 189.96 TO MP 189.97

LOC.: HENRY COUNTY, OHIO — REV.: 0B

YR.: 2017 — W.O. — DWG.NO. WATE-P-8025

NEXUS GAS TRANSMISSION

MES13858
November 10, 2015 9:13am Filename: P:\CAD\295_PIPELINE\TRAIL CROSSING\WORKING FOLDER\FFT\WATE-P-8025.DWG



LEGEND

- PIPELINE
- INTERCONNECTING PIPELINE
- PIPELINE MILEPOST (M 00 P)
- CONSTRUCTION LIMIT
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- STAGING AREA
- WAREYARD
- ROCK ACCESS PAD
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- DELINEATED WATERBODY BANK
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY CENTERLINE
- TRAILS / ORGANIC FARMS
- POWERLINES
- CONTOUR LINE (1200')
- SILT FENCE
- STRAW BALE
- FOREIGN PIPELINES
- TELEPHONE
- FENCE
- RAILROAD TRACK
- ROAD CL
- WATER PIPELINE
- UTILITY LINE
- PROPERTY LINE
- SAFETY FENCE
- TRACT NUMBER (00-XX-000.0000)
- MUNICIPALITY LINE
- WELL: GAS, WATER, OIL, UNKNOWN
- MAINLINE VALVE (MLV)
- BLOW OFF VALVE
- HORIZONTAL DIRECTIONAL DRILLING
- LIGHT POLE
- FIRE HYDRANT
- MICROWAVE TOWER
- TOWER

DESCRIPTION:

NORTH COUNTRY & WABASH CANNONBALL TRAIL CROSSING IS WITHIN PARCEL TRACT NO. OH-FU-026.0000

OWNED BY NORTH-WESTERN OHIO RAILS TO TRAILS ASSOCIATION, INC. AND MANAGED BY THE NATIONAL PARK SERVICE.

OPEN CUT CROSSING

NOTES

1. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION WORKSPACE FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF CONSTRUCTION WORKSPACE.
2. FOR EROSION AND SEDIMENTATION TYPICAL FIGURES REFER TO DWG ES-0001 THRU DWG ES-0038.
3. FINAL LOCATION OF EROSION CONTROL DEVICES TO BE DETERMINED BY ENVIRONMENTAL INSPECTOR IN THE FIELD.
4. FINAL SILT FENCE LOCATION IS AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR.
5. FINAL SAFETY FENCE LOCATION IS AT THE DIRECTION OF NEXUS AND/OR THE PIPELINE CONTRACTOR.

IG.#	REV.#	DESCRIPTION	DATE
	0B	ISSUED FOR FERC FILING	10NOV15
	0A	ISSUED FOR FERC FILING	06NOV15
	0	ISSUED FOR FERC FILING	03NOV15

PROJ. ENG.	VP	29OCT15
CHECKED BY:	DOB	29OCT15
DRAWN BY:	RSM	29OCT15
SCALE:	1" = 50'	DATE

TITLE: NEXUS GAS TRANSMISSION PROJECT
NORTH COUNTRY, WABASH CANNONBALL TRAIL CROSSING
MP 195.86

LOC.: FULTON COUNTY, OHIO | REV.: 0B
YR.: 2017 | W.O. | DWG.NO. WATE-P-8026

NEXUS GAS TRANSMISSION

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APPENDIX 8F

Communication Tower Visual Impact Assessment

NEXUS Gas Transmission, LLC

NEXUS Project

FERC Docket No. CP16-__-000

VISUAL IMPACT ASSESSMENT

November 2015

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1.0 INTRODUCTION

This document is a supplement to Resource Report 8 and provides a discussion of the visual impact assessment ("VIA") performed for the communication towers that are proposed for the NEXUS Gas Transmission Project ("NEXUS Project" or "Project"). The Project will include construction and operation of five (5) communication towers located along the Project route, four in Ohio and one in Michigan. Identification of sensitive visual resources and accompanying Geographic Information Systems ("GIS") viewshed analyses are provided for a study area of two miles surrounding each tower location. Visual impacts have been assessed in terms of performing an inventory of existing visual resources within the study area and evaluating the potential for visibility of the towers at those resources as a result of the viewshed analyses. Four of the five communication tower locations will be at proposed compressor station sites and therefore will be included with other buildings and ancillary equipment. However, the communication towers are the focus of this VIA as they will be the tallest feature at the site. Figure 1 shows the locations of the proposed communication towers.

2.0 COMMUNICATION TOWERS AND EQUIPMENT

The communication towers will support licensed VHF ("Very High Frequency") Mobile Radio transmission equipment for voice communications. NEXUS has evaluated the Department of the Interior, Fish and Wildlife Service's ("USFWS"), *Interim Guidelines for Recommendations on Communications Tower Siting, Construction, Operation, and Decommissioning* ("Guidelines"). These Guidelines are used in the evaluation and development of the engineering designs and siting for NEXUS communication towers. Table 1 provides a summary of the communication towers proposed for the Project including milepost ("MP") location along the pipeline route, type of support structure/tower, and tower height.

Figure 2 and 3 shows the design profile of the proposed 140 and 190 foot lattice tower. Figure 4 shows the general expected look of the tower.

Table 1

NEXUS Project Proposed Communication Towers

County, State	Location Description	Tower ID	Milepost	Structure	Height (feet) a/
Ohio					
Columbiana	Compressor Station 1 - Hanoverton	HANO-TWR-001	1.4	3-Sided Self-Supporting, Latticed Cross-Members	190
Medina	Compressor Station 2 - Wadsworth	WADS-TWR-002	63.5	3-Sided Self-Supporting, Latticed Cross-Members	140
Sandusky	Compressor Station 3 - Clyde	CLYD-TWR-003	134.0	3-Sided Self-Supporting, Latticed Cross-Members	190
Lucas	Compressor Station 4 - Waterville	WATE-TWR-004	183.5	3-Sided Self-Supporting, Latticed Cross-Members	190
Michigan					
Lenawee	MLV-16	PL16-TWR-016	228.3	3-Sided Self-Supporting, Latticed Cross-Members	190

a/ The height listed is the maximum height. Final constructed height could be less.

- Proposed Communication Tower Location
- Proposed NEXUS Mainline Pipeline
- Proposed TGP Interconnect

Major Land Resource Area

- Lake Erie Glaciated Plateau
- Erie-Huron Lake Plain

Figure 1

NEXUS Gas Transmission Project
Communication Tower Locations

NEXUS GAS TRANSMISSION

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Figure 2. Typical of Proposed 140 Foot High Communication Tower

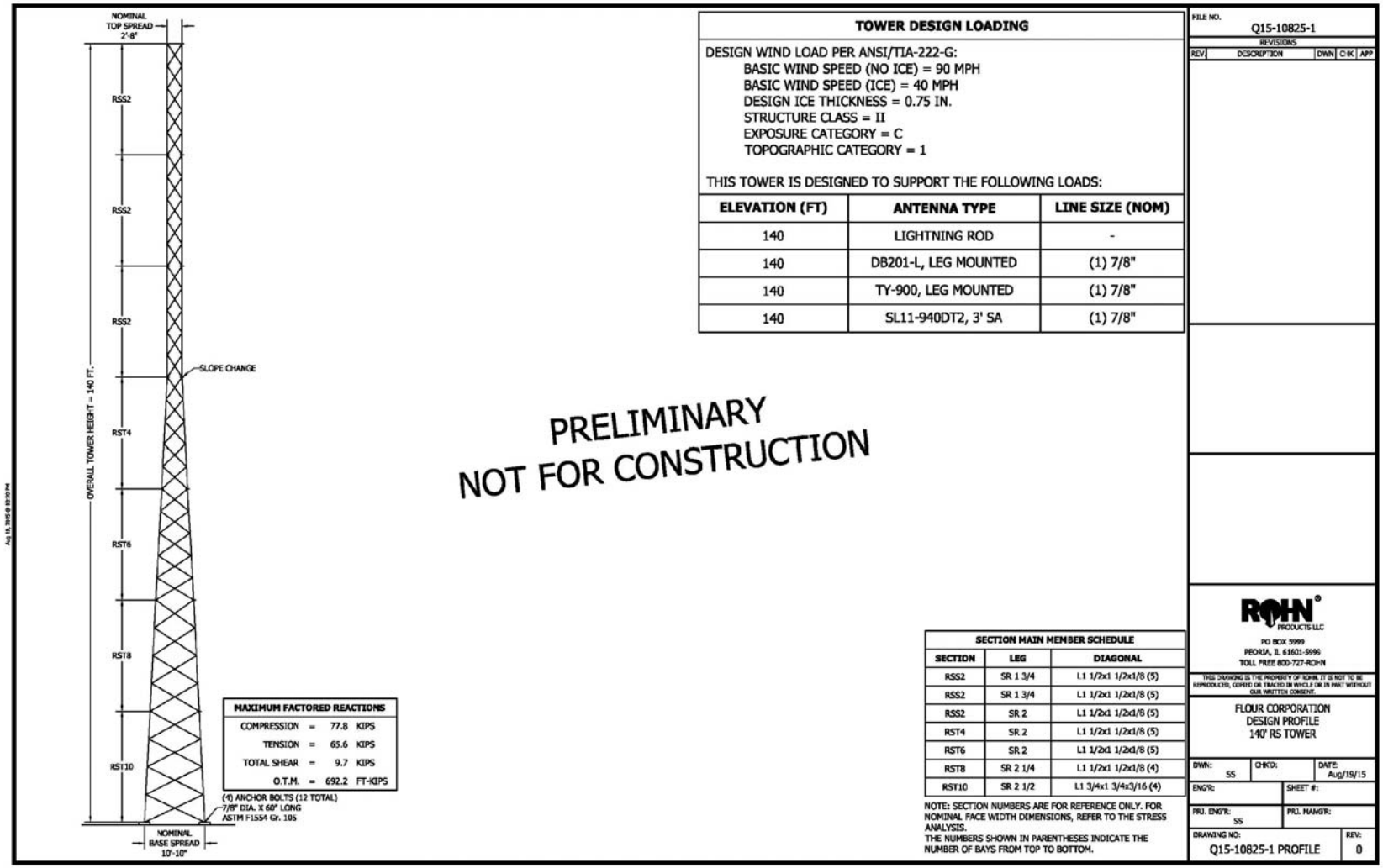


Figure 3. Typical of Proposed 190 Foot High Communication Tower

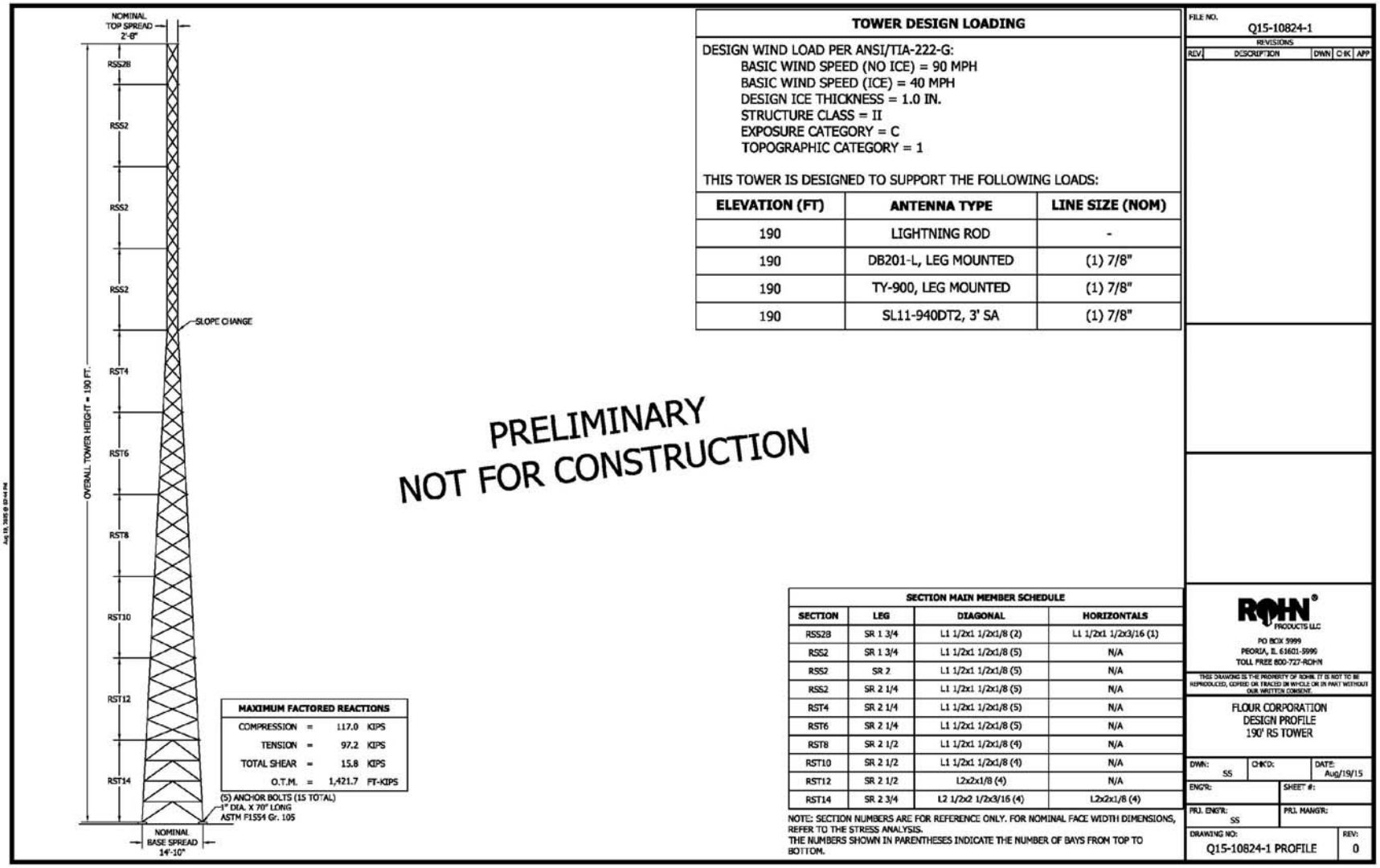


Figure 4. Anticipated Configuration of Proposed Communication Tower with VHF Antennae

3.0 REGIONAL AND LOCAL LANDSCAPE

The distance traversed along the Project between the first and last tower location is approximately 227 miles. The tower locations lie in two Major Land Resources Areas ("MLRA") of the United States. These MLRAs include the Erie Glaciated Plateau and the Erie Huron Lake Plain (Figure 1).

Towers HANO-TWR-001 and WADS-TWR-002 lie within the southern extent of the Erie Glaciated Plateau in northeastern Ohio. Most of this MLRA is a gently rolling to strongly rolling, dissected glaciated plateau. Stream valleys are narrow and are not deeply incised, but the valley walls are typically steep. In some areas the interfluves are broad and nearly level. Elevation ranges from 660 to 1350 feet mean sea level ("MSL"). About three-fourths of this area is in farms that produce feed grains and forage. This indicates that the general landscape over distance has open areas that may have long distance views but also may have topography that would provide some level of visual obstruction. Elevation profiles shown below, obtained from Light Detection and Ranging ("LiDAR") data over the span of the 2-mile radius study area (4 miles across) supports the MLRA geomorphology and offers a clearer indication of the character of the vertical environment in the vicinity. The profiles indicate rolling topography of open areas (smoother line) and sporadic tree cover (irregular line) which would have the ability to block views to the towers in some locations.

Figure 5. Elevation Profile at Tower HANO-TWR-001 – Northwest to Southeast

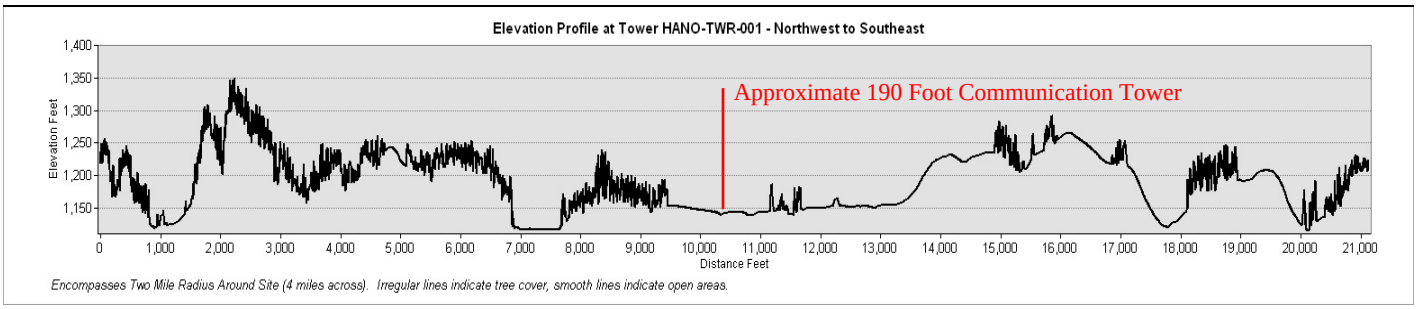
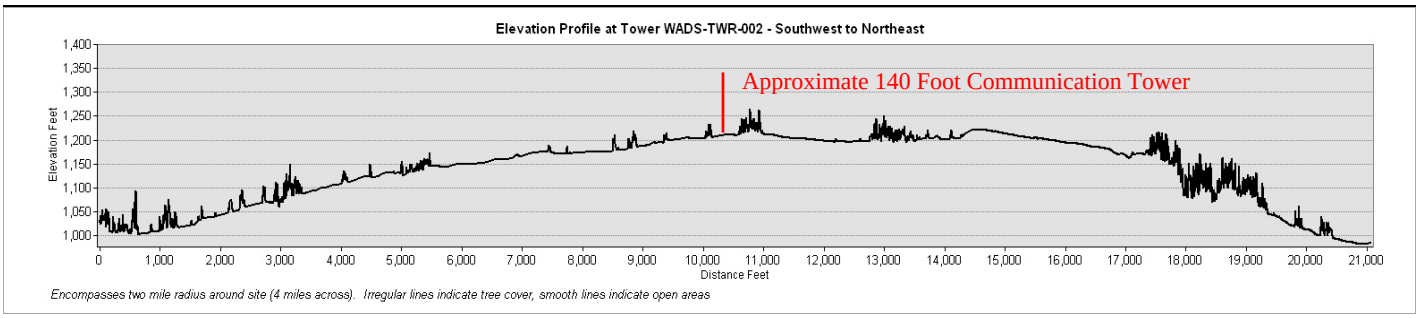


Figure 6. Elevation Profile at Tower WADS-TWR-002 – Southwest to Northeast



Towers CLYD-TWR-003, WATE-TWR-004, and PL16-TWR-016 are located within the Erie Huron Lake Plain MLRA. This area is a nearly level glacial lake plain with a few scattered ridges of sandy soils that represent past shorelines and moraines. Elevation is about 660 feet MSL, increasing gradually from the lakeshore inland. Local relief generally is only about 6 feet, but some beach ridges and low moraines rise almost 30 feet above the general level of the landscape. Nearly three-fourths of this MLRA is in farms. About three-fifths of the area is cropland. The rest of the farmland is mostly in small farm woodlots, but some of the farmland is used for permanent pasture or other purposes. Almost one-fifth of the area is used for urban development. This indicates that the general landscape has many open areas that have long distance views without topography or abundant tree cover acting as a visual impediment. The three tower elevation profiles below showing the character of the vertical environment support the MLRA geomorphology. As one proceeds along the Project from northeast Ohio in a northwesterly direction towards the southern and western side of Lake Erie in Michigan, the land distinctly flattens out with little change in elevation with rural open lands and few trees.

Figure 7. Elevation Profile at Tower CLYD-TWR-003 – West to East

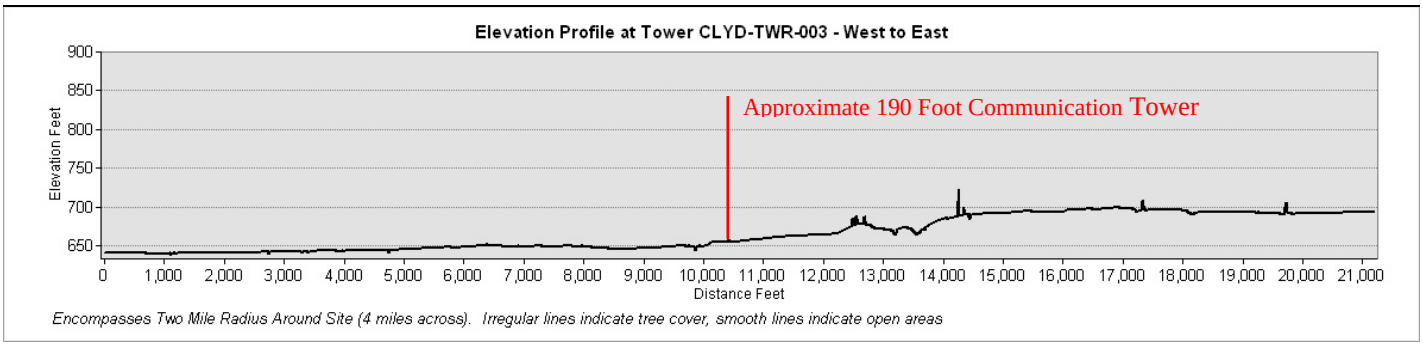


Figure 8. Elevation Profile at Tower WATE-TWR-004 – West to East

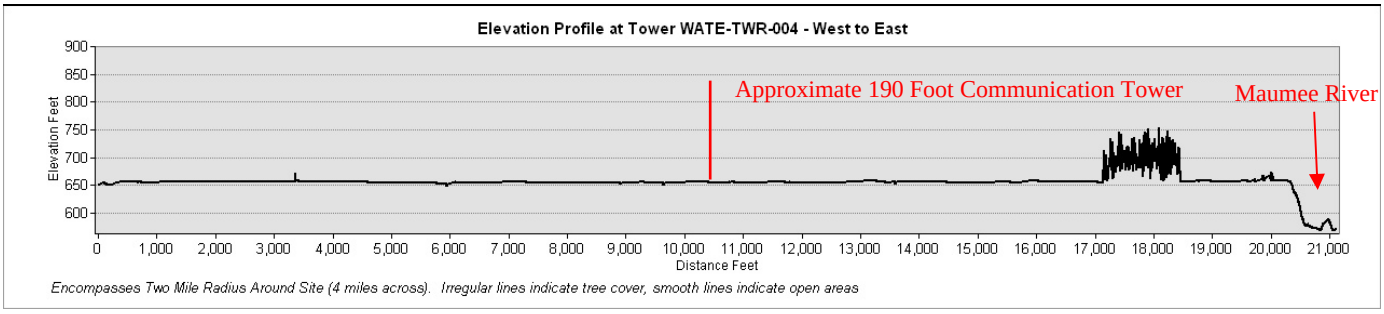
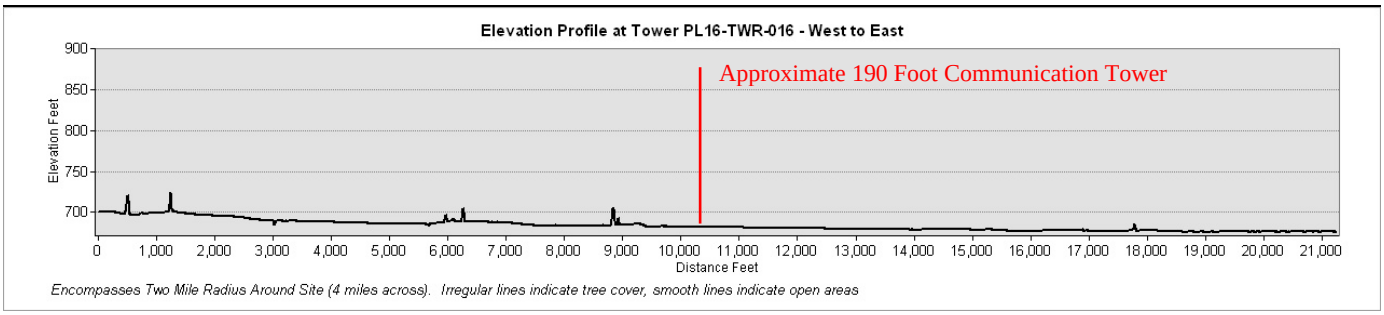


Figure 9. Elevation Profile at Tower PL16-TWR-016 – West to East



3.1 VISUAL CHARACTER OF THE TOWER LOCATIONS

HANO-TWR-001, Columbiana County, Ohio

Hanoverton Compressor Station (Compressor Station 1) is proposed in the Town of Hanover, Columbiana County, Ohio at MP 1.4 on the mainline pipeline. The land requirement for construction of the Hanoverton Compressor Station is approximately 96.2 acres including the permanent operations area and the temporary construction right of way ("ROW"). Construction of the Hanoverton Compressor Station will require operational land area of 23.9 acres which will be entirely within the parcel of land owned by NEXUS. The parcel includes an existing electric transmission line ROW easement. The dominant existing land use type within the property is agricultural land. A portion of the property also includes open land and forest/woodland. Operation of the Hanoverton Compressor Station will require permanent conversion of primarily agricultural land, and a small amount of open land, to industrial/commercial land use.

WADS-TWR-002, Medina County, Ohio

Wadsworth Compressor Station (Compressor Station 2) is proposed in the Town of Guilford, Medina County, Ohio at approximate MP 63.5 on the mainline pipeline. The land requirement for construction of the Wadsworth Compressor Station is approximately 64.0 acres including the permanent operations area and the temporary construction ROW. Construction of the Wadsworth Compressor Station will require operational land area of 19.8 acres which will be entirely within the parcel of land owned by NEXUS. The parcel does not include existing utilities or pipeline ROW easements. The dominant existing land use type within the property is agricultural land. A portion of the property also includes residential structures (that will be purchased and abandoned prior to construction and operations of the Project) and open land. No tree clearing will occur at the Wadsworth Compressor Station. Operation of the Wadsworth Compressor Station will require permanent conversion of agricultural land to industrial/commercial land.

CLYD-TWR-003, Sandusky County, Ohio

Clyde Compressor Station (Compressor Station 3) is proposed in the Town of Townsend, Sandusky County, Ohio at approximate MP 134.0 on the mainline pipeline. The land requirement for construction of the Clyde Compressor Station is approximately 60.7 acres including the permanent operations area and the temporary construction ROW. Construction of the Clyde Compressor Station will require operational land area of 48.1 acres which will be

entirely within the parcel of land owned by NEXUS. The parcel does not include an existing utility or pipeline ROW easements. The dominant existing land use type within the property is agricultural land. The site also contains a small amount of industrial/commercial and open land. Operation of the Clyde Compressor Station will require permanent conversion of agricultural and open land to industrial/commercial land. Construction and operation of the Clyde Compressor Station will not result in any impacts to forest/woodland.

WATE-TWR-004, Lucas County, Ohio

Waterville Compressor Station (Compressor Station 4) is proposed in Waterville, Lucas County, Ohio at approximate MP 183.5 on the mainline pipeline. The land requirement for construction of the Waterville Compressor Station is approximately 37.7 acres including the permanent operations area and the temporary construction ROW. Construction of the Waterville Compressor Station will require operational land area of 34.1 acres which will be entirely within the parcels of land owned by NEXUS. The parcels do not include any existing utility or pipeline ROW easements. The dominant existing land use type within the site is agricultural land. The site also contains a small amount of open land and industrial/commercial land. Operation of the Waterville Compressor Station will require permanent conversion of agricultural land to industrial/commercial land use. Construction and operation of the Waterville Compressor Station will not result in any impacts to forest/woodland.

PL16-TWR-016, Lenawee County, Michigan

NEXUS is proposing construction and operation of remote controlled Main Line Valves ("MLV") as part of the Project. MLV-16 is located at approximate MP 228.3. These MLVs will be installed within areas already disturbed by pipeline construction and will be primarily located within the permanent operational ROW. The dominant existing land use type at the site is agricultural.

4.0 VISUAL RESOURCES INVENTORY

This section addresses and lists an inventory of visual resources performed for the 2-mile study area of each proposed communication tower. Identified visual resources are listed in Table 2 in this section. The viewshed maps in Figures 10-14 show the location of the identified visual resources.

GIS databases, federal and state agency information, and master plans were consulted to obtain information on existing visual resources within a 2-mile radius of each of the proposed communication towers.

These resources include:

- National Register of Historic Places
- National and State Scenic Trails and Bikeways
- National Wild and Scenic Rivers
- National and State Scenic Byways
- Wildlife Management Areas

- National Parks and Forests
- Ohio Department of Natural Resources:
    - ODNR Managed Lands
    - ODNR Conservation Lands
    - ODNR Scenic Rivers
- Michigan Department of Natural Resources
    - Michigan State Parks and Campgrounds
    - DNR Designated Trails and Bike Trails

Cultural surveys were performed for the Project and only aboveground historic architecture properties are considered in this report. The details of the survey findings can be found in Resource Report 4. These surveys were constrained to the Area of Potential Effect ("APE) for aboveground locations that include the 300-foot-wide environmental study corridor, in addition to areas where land use may change (i.e., forested area altered into permanent greenfield easement corridor), and any locations from which the Project may be visible, up to 0.5 mile from the Project study corridor. The APE for the study corridor coincides with the Federal Communications Commission programmatic agreement for historic properties (0.5 mile APE for towers that are 200 feet or less in height). The surveys do not go out to the full 2-mile radius designated for this visual impact analysis. However, data from these surveys are considered in this report for as far as they are available. As a part of the cultural survey, NEXUS' cultural consultant (TRC) has made recommendations to Ohio and Michigan State Historic Preservation Offices regarding a determination of eligibility. Those survey locations that were not determined eligible were dropped from this inventory while those listed as potentially eligible within the visual 2-mile study area were retained.

The inventory outlined in Table 2 list publicly accessible resources. However, local residential areas are also evaluated for visual impacts and are discussed in Section 5.3.

Table 2

Visual Resources Inventory of Publicly Accessible Lands

Study Area (Miles)	Resource	Type	Potential Visibility	Town	County
TOWER HANO-TWR-001					
0-1	Hanoverton Canal Town District	NRHP	Not Expected	Hanover	Columbiana
0-1	Lincoln Highway Historic Byway	ODNR Scenic Byway	Not Expected	Hanover, West	Columbiana
0-1	North Country National Scenic Trail (on-road)	Trail	Not Expected/Minimal	Hanover, West	Columbiana
1-2	Hanoverton Canal Town District	NRHP	Yes	Hanover	Columbiana
1-2	Lincoln Highway Historic Byway	ODNR Scenic Byway	Not Expected	Hanover, West	Columbiana
1-2	North Country National Scenic Trail (on-road)	Trail	Yes	Hanover, West	Columbiana
TOWER WADS-TWR-002					
1-2	Hubbard Valley Park	Public and Recreational Lands	Not Expected/Minimal	Guilford	Medina
1-2	River Styx Park	Public and Recreational Lands	Not Expected	Guilford	Medina
1-2	Maple Lakes Campground	Public and Recreational Lands	Not Expected/Minimal	Guilford	Medina
TOWER CLYD-TWR-003					
0-1	Sleepy Hollow Golf Course	Public and Recreational Lands	Yes	Townsend, York	Sandusky
1-2	Sleepy Hollow Golf Course	Public and Recreational Lands	Yes, Minimal	Townsend, York	Sandusky
TOWER WATE-TWR-004					
0-1	Blue Creek Conservation Area	Public and Recreational Lands	Yes	Waterville	Lucas
0-1	Statewide Bike Route	Trail	Yes	Waterville, Providence	Lucas
0-1	Blue Creek Corridor	Trail	Yes	Waterville	Lucas
0-1	Neowash, Toledo, St Louis, & Kansas City Railroad (abandoned)	Historic (Project cultural survey)	Yes	Waterville	Lucas
1-2	Neowash, Toledo, St Louis, & Kansas City Railroad (abandoned)	Historic (Project cultural survey)	Yes	Waterville	Lucas
1-2	Missionary Island Wildlife Area	Public and Recreational Lands	Not Expected	Waterville	Lucas
1-2	Maumee River Weir Rapids Wildlife Access	Public and Recreational Lands	Not Expected/Minimal	Waterville	Lucas
1-2	Providence, Bend View, Farnsworth Metroparks	Public and Recreational Lands	Not Expected	Waterville	Lucas
1-2	Blue Creek Conservation Area	Public and Recreational Lands	Yes	Waterville	Lucas
1-2	John Isham Farmstead Historic Site (Farmhouse)	NRHP	Not Expected	Waterville	Lucas
1-2	John Isham Farmstead Historic District	NRHP	Yes, Minimal	Waterville	Lucas
1-2	Maumee Valley Scenic Byway (West river Road)	ODNR Scenic Byway	Not Expected	Middletown	Lucas

Table 2 Visual Resources Inventory of Publicly Accessible Lands					
Study Area (Miles)	**Resource**	**Type**	**Potential Visibility**	**Town**	**County**
1-2	Maumee Valley Scenic Byway (South River Road)	ODNR Scenic Byway	Not Expected/Minimal	Waterville	Wood
1-2	Lake Erie Coastal Ohio Trail	ODNR Scenic Byway	Yes	Waterville	Lucas
1-2	Maumee Scenic River	ODNR Scenic River	Not Expected	Waterville	Lucas
1-2	Statewide Bike Route	Trail	Yes	Waterville, Providence	Lucas
1-2	Blue Creek Corridor	Trail	Yes	Waterville	Lucas
1-2	Farnsworth Metropark Trail (Towpath Trail)	Trail	Not Expected	Waterville	Lucas
1-2	Buckeye Trail	Trail	Not Expected	Waterville	Lucas

5.0 VIEWSHED ANALYSIS

At each tower location, a viewshed analysis out to 2 miles was conducted subsequent to the resources inventory. This analysis is a GIS analytical technique that allows one to determine if and where an object, such as a communication tower, can geographically be seen within a larger regional area. The results of the viewshed analysis, typically displayed over a USGS topographic map or aerial photo, are combined with other sensitive location information such as historic places, national forests, or state parks, etc. Incorporating GIS integrated data along with a viewshed analysis assists in understanding the potential for Project visibility at sensitive resource locations. Although four of the five locations are also compressor station sites, only the tallest element (communication tower) was used in the analysis.

5.1 METHODOLOGY

For base elevation and ground objects (trees and buildings), this analysis used LiDAR data obtained from the 2006-2010 OSIP I Ohio Geographically Referenced Information Program and the USGS Center for LiDAR Information Coordination and Knowledge (Michigan). LiDAR data is the best available elevation data as it includes high resolution accurate ground elevations in addition to building heights and individual tree heights that capture physical visual impediments.

The x, y and z data of the towers were incorporated into the model. These data were controlled within the model to ensure that the surface elevation and the vertical offsets of the communication tower were embedded properly against the LiDAR trees and buildings. The viewshed model was further developed by establishing an observer height of 5.5 feet, and the assumption that the Project would not be visible to a viewer who is standing amongst trees in a forested area or in buildings themselves. The final resulting output grid identified those areas from which viewers would potentially see all or some part of a tower (see Figures 10-14).

5.2 ASSUMPTIONS AND LIMITATIONS OF THE VIEWSHED MODEL

The viewshed analysis identifies cells (image pixels) that contain elevation information and computes the differences along the terrain surface between an observer at any point within the study area and a target (e.g. tower). The analysis is a clear line of sight and therefore certain factors in the interpretation of results need to be considered:

1. The model, because of its computerized aspect, assumes the observer to have perfect vision at all distances. Therefore, a certain amount of reasonable interpretation needs to be considered because of the limitations of human vision at greater distances or those atmospheric/meteorological conditions that may cause imperfect vision, such as haze or inclement weather. Additionally, an object is naturally smaller and shows much less detail at distances and will have less visual impact.
2. Because an area may show visibility, it does not mean the entirety of a tower will be seen. In some cases for this Project, the existing tree stands and buildings in the area provide visual impediments for the lower portion of the tower.
3. The viewshed model assumes that any vegetation is opaque and therefore represents a leaf-on condition.
4. Lastly, the model was developed with the assumption that a viewer would not see the tower if standing amongst trees or in buildings themselves.

5.3 VIEWSHED ANALYSIS RESULTS AND DISCUSSION

Landform and elevation in addition to vegetative and building features in the landscape are a key influence on the visibility and sightline of a project. As noted in Section 3.0 and Figures 5-9, the areas where the towers are located are on relatively level ground with little elevation changes surrounded by open agricultural lands that have the potential to offer longer distant views of high objects. The proposed towers are at 140 or 190 foot height and are well above any tree cover. As a result, because of the landscape character and nature of the proposed tower structure, visibility will be relatively high within the study areas at these sites. The proposed communication tower will be a lattice type structure without a lot of visual bulk that would be provided by ancillary communication equipment. Although a final tower is not decided at the time of this writing, Figures 2-4 show the estimated configuration of the proposed structure.

HANO-TWR-001, Columbiana County, Ohio

Of all of the communication tower sites, this area has the most undulating topography and abundance of tree cover as shown in the Figure 5 elevation profile. With a proposed tower height of 190 feet, the visibility map (Figure 10) shows that there are predominant areas of open land to the east and south within a 1-mile radius that will have views of the Project along with intermittent visibility to some residents. More densely residential areas exist in Kensington, 0.7 miles to the west and along Lincoln Highway 0.5 miles to the north. However, because of existing tree groups combined with topography, it is expected that these residential areas will have minimal views of the tower as well as several residential areas to the east. The viewshed map shows that the amount of visibility between 1 and 2 miles drops off. Within the 1- to 2-mile

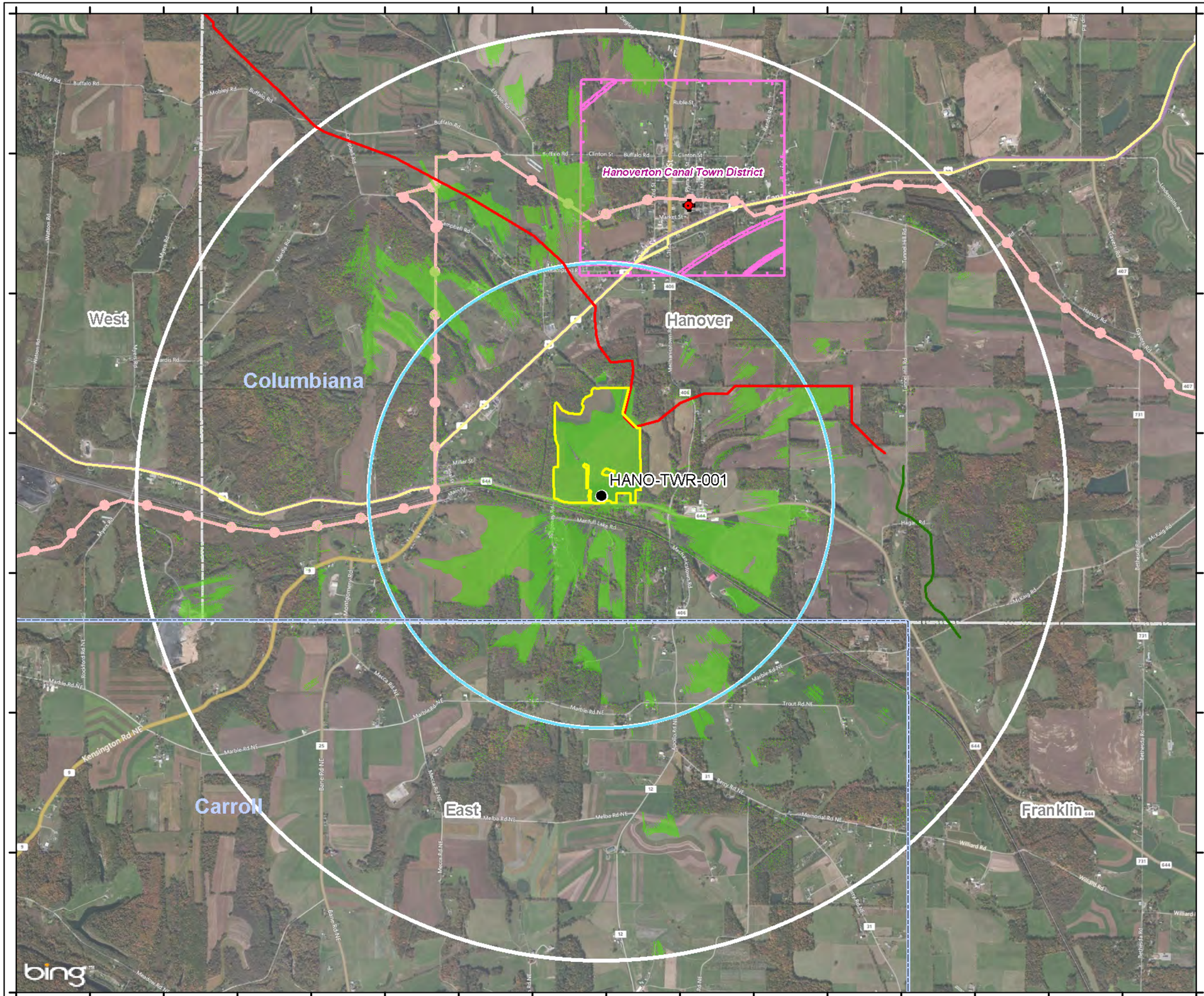
range, there is expected visibility in the northwest quadrant of the study area that is relegated to open fields that are located between larger tree stands.

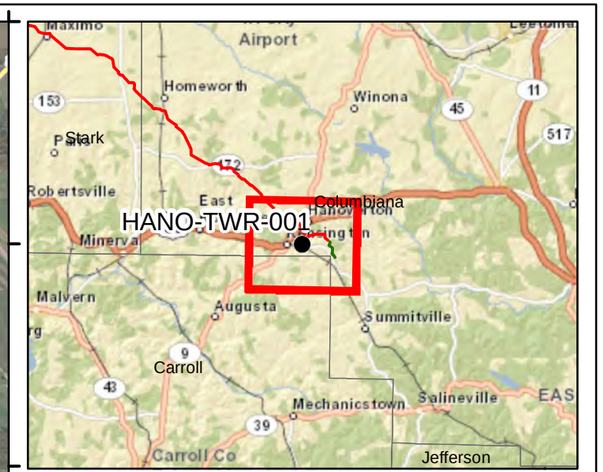
There are three visual resources listed in the Visual Resources Inventory Table 2; the Hanoverton Canal Town District, the Lincoln Highway Historic Byway, and an on-road portion of the North Country National Scenic Trail. Between 0- to 1-mile, views of the communication tower are not expected at resource locations due to trees and topography. The Hanoverton Canal District and the North Country National Scenic Trail will likely have partial views within the 1- to 2-mile region of the study area.

WADS-TWR-002, Medina County, Ohio

The lands within this study area are very open and agricultural with smaller isolated tree groups than at Tower HANO-TWR-001. The open land allows for greater visibility in all compass directions as shown in Figure 11 viewshed map. The nearby residential localities are situated in a grid-like evenly spaced fashion as opposed to random country roads with houses spaced intermittently. Although the tower height proposed at this location is 140 feet and still well above tree height, there are tree stands associated with some of the neighborhood roads that do block views to the Project in discrete areas especially to the south, east, and northeast. As seen in the map, the greatest potential for visibility is within the 1 mile radius. However, the site is on a rise and the topography generally decreases around it as one moves to the 1- to 2-mile study radius where the angle of view over treetops is potentially greater with the drop in slope, as illustrated in elevation profile Figure 6. This change in slope combined with tree cover allows for decreased visibility in some areas as one is further from the site.

There are three public and recreational visual resources within the study area located between 1 and 2 miles from the proposed communication tower. They are the Hubbard Valley Park, River Styx Park, and Maple Lakes Campground. River Styx Park is not expected to have views of the tower. Hubbard Valley Park and Maple Lakes Campground are also not expected to have views, save for extremely small areas at the southern extent of those properties.





- Proposed Communication Tower Location
- Visibility
- Approximate Property Boundary
- Proposed NEXUS Mainline Pipeline
- Proposed TGP Interconnect
- Municipal Boundary
- County Boundary
- National Register of Historic Places Site
- National Register of Historic Places District

Trails and Bikeways

- North Country National Scenic Trail

Scenic Byway

- Lincoln Highway Historic Byway

Study Area

- 1 Mile
- 2 Miles

N

0 0.25 0.5 1 Miles

FIGURE 10

NEXUS Gas Transmission Project

Viewshed Analysis

TOWER HANO-TWR-001

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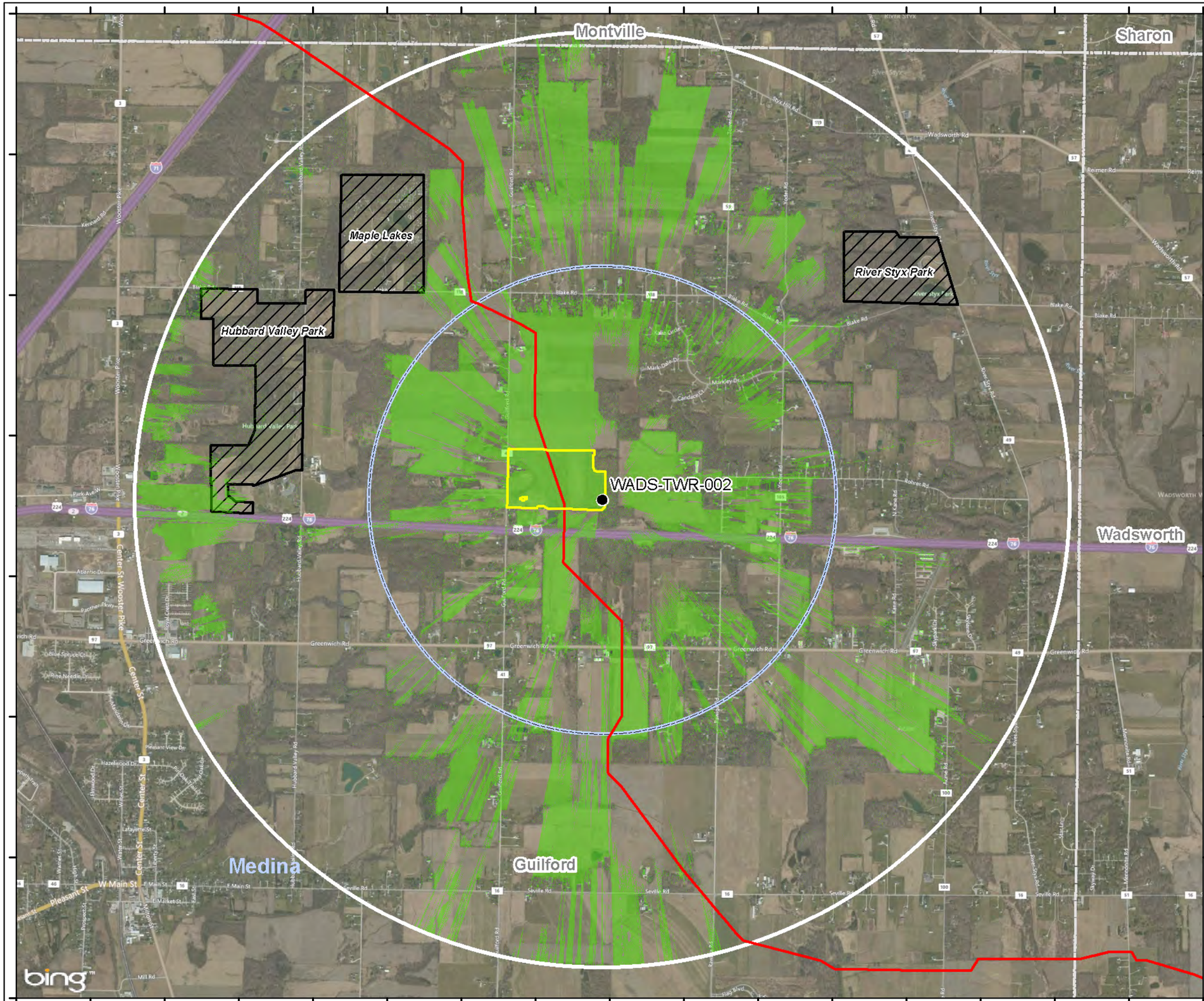
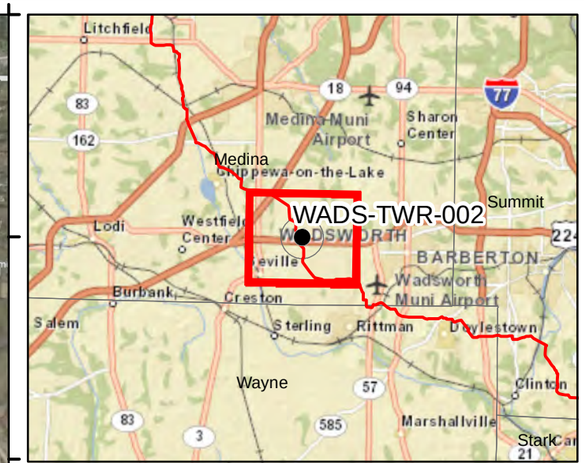




- Proposed Communication Tower Location
- Visibility
- Approximate Property Boundary
- Proposed NEXUS Mainline Pipeline
- Municipal Boundary
- County Boundary
- Public and Recreational Land

Study Area
- 1 Mile
- 2 Miles

N

0 0.25 0.5 1 Miles

FIGURE 11

NEXUS Gas Transmission Project

Viewshed Analysis

TOWER WADS-TWR-002

NEXUS GAS TRANSMISSION

11/17/2015

CLYD-TWR-003, Sandusky County, Ohio

As one moves northwesterly from Tower WADS-TWR-002 to Tower CLYD-TWR-003 and Lake Erie, one enters the Erie-Huron Lake Plain region where ground elevation change over distance and tree cover are minimal (Figure 7). The visibility map exemplifies this as Figure 12 shows that some portion of the proposed 190 foot tower will be seen in the majority of the study area.

One visual resource was found as a result of the inventory. Sleepy Hollow Golf Course is located in the southwest quadrant of the study area within the 1-mile radius and extending into the 1 to 2 mile zone. There will be some visibility of the tower at this location although views are expected to diminish as one moves further to the southwest of the property.

WATE-TWR-004, Lucas County, Ohio

Similar to Tower CLYD-TWR-003, there is little ground elevation change and lack of tree cover to preclude views of the proposed 190 foot tower at this location (Figure 8). Figure 13 viewshed map shows the majority of the study area will have views of some portion of the tower. It is noted there are fewer residences in the study area with most properties having larger acreages. Denser neighborhoods lie to the northwest and northeast near the outer limit of the 2-mile study area near Whitehouse and Waterville, respectively. The interior of these neighborhoods are expected to have limited views due the presence of trees or other houses.

There are two historic sites in the study area. The John Isham Farmstead includes an NRHP district and the NRHP listed farmhouse site. The farmhouse is not expected to have views of the tower while there will be minimal views from the district. The Neowash, Toledo, St Louis, & Kansas City Railroad is a Project cultural site that TRC recommends to the State Historic Preservation Office as potentially eligible, as no formal determination of eligibility has been made for the railroad. The Neowash, Toledo, St Louis, & Kansas City Railroad stretches across the southeastern quadrant of the study area and will have views.

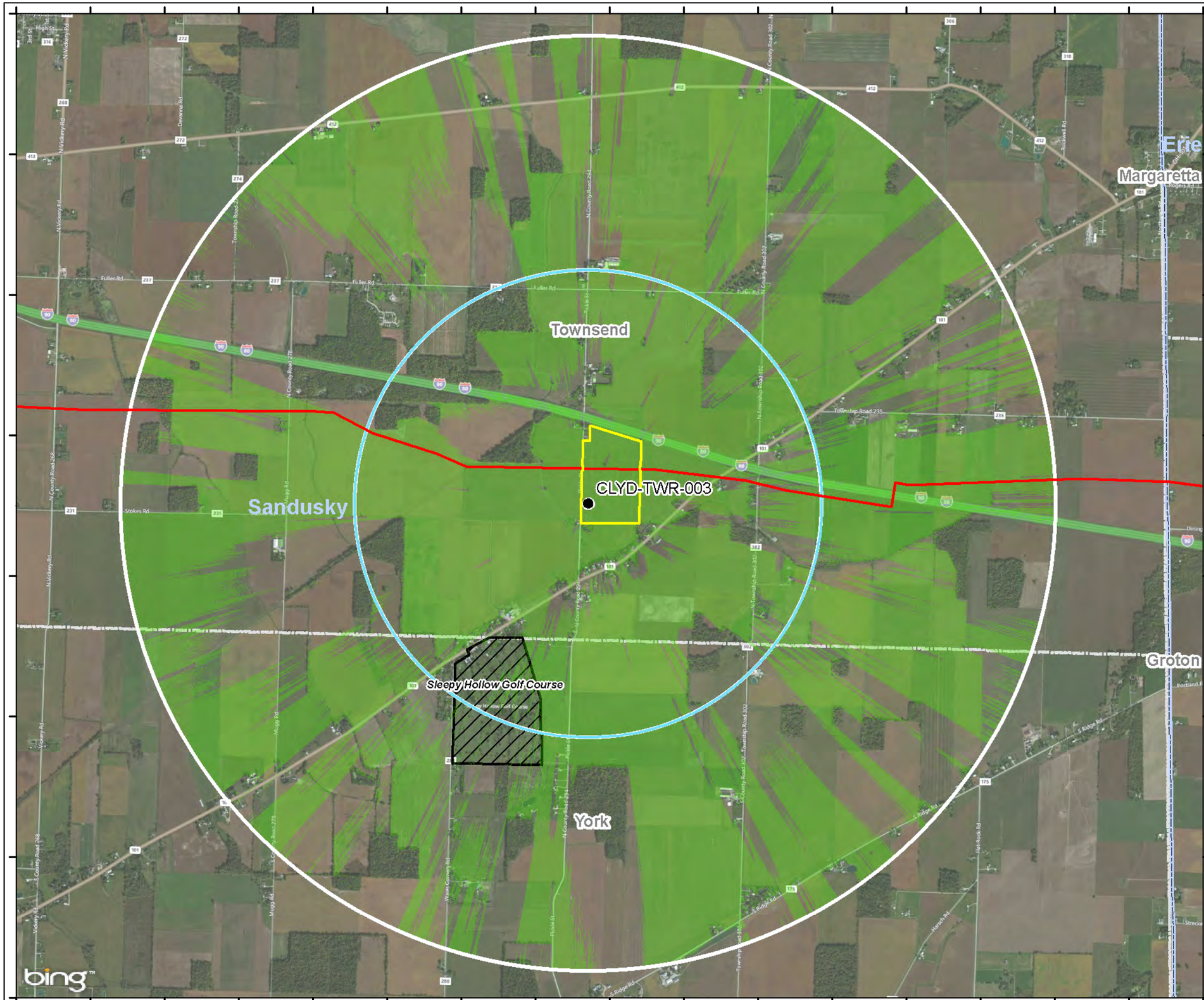
West to northwest and north of the site there are several resources; the Blue Creek Corridor Trail, the Statewide Bike Route which traverses through the 2-mile study area, and the Lake Erie Ohio Coastal Scenic Byway to the north will all likely have visibility of the tower as well as portions of the Blue Creek Conservation area that lies westerly.

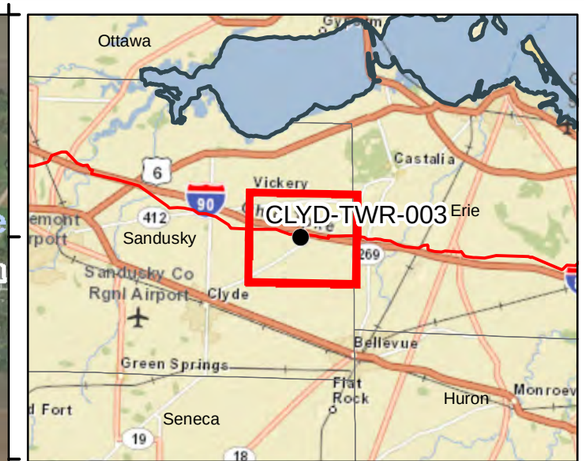
There are visual resources located at the very edge of the southeastern quadrant of the study area that are associated with the Maumee River. The Maumee River is listed as a scenic river. Also in this vicinity is the Maumee Valley Scenic Byway that consists of South River Road Route 53 and West River Road Route 65, paralleling the river on the north and south sides respectively. The Buckeye Trail and the Farnsworth Metropark Trail (Towpath Trail) are recreational trails that follow the Maumee River. Two wildlife/recreational parcels are within the river corridor that include the Missionary Island Wildlife Area and the Maumee River Weir Rapids Wildlife Access. According to the viewshed analysis depicted in Figure 13, it is unlikely these visual resources associated with the Maumee River environment will have views of the proposed tower except for intermittent segments of the northern side of the Maumee Valley Scenic Byway. This is due to a sharp drop in elevation to the river where most of these resources are located, in addition to the trees that line the riverine environment, as illustrated in Figure 8.

PL16-TWR-016, Lenawee County, Michigan

As seen in the Figure 14 viewshed map, the aerial photo shows that nearly all of the lands in the 2-mile study area are open agricultural parcels, save for a residential cluster of houses in the village of Britton located at the edge of the study radius to the west that may have partial views in discrete locations. There is little change in elevation over distance as noted in elevation profile Figure 9. The proposed 190 foot tower in this location will be potentially visible within most of the 2-mile radius.

As a result of the inventory, there were no visual resources found within the study area.





- Proposed Communication Tower Location
- Visibility
- Approximate Property Boundary
- Proposed NEXUS Mainline Pipeline
- Municipal Boundary
- County Boundary
- Public and Recreational Land

Study Area
- 1 Mile
- 2 Miles

N

0 0.25 0.5 1 Miles

FIGURE 12

NEXUS Gas Transmission Project

Viewshed Analysis

TOWER CLYD-TWR-003

NEXUS GAS TRANSMISSION

11/17/2015

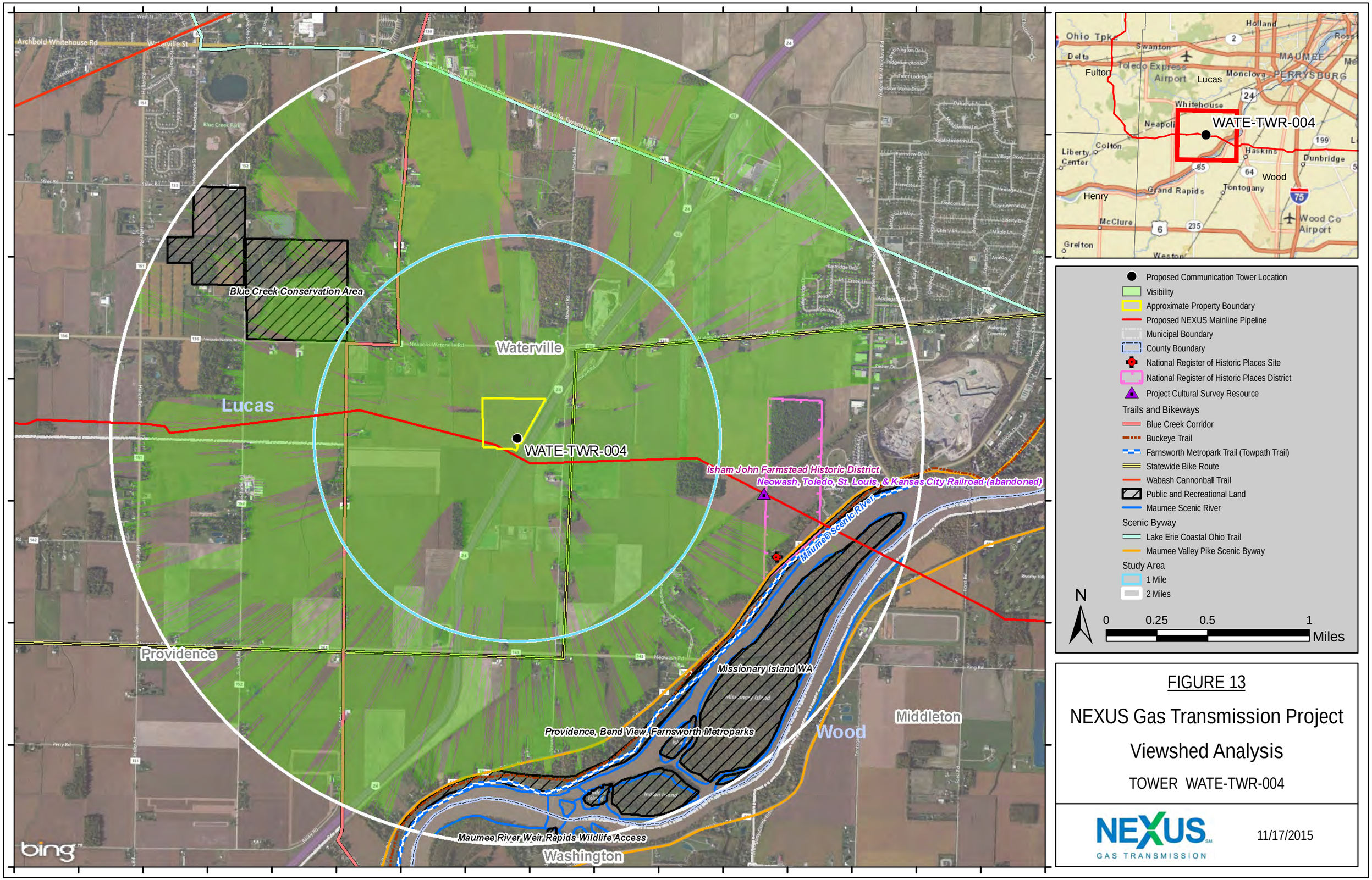


FIGURE 13

NEXUS Gas Transmission Project

Viewshed Analysis

TOWER WATE-TWR-004

NEXUS GAS TRANSMISSION

11/17/2015

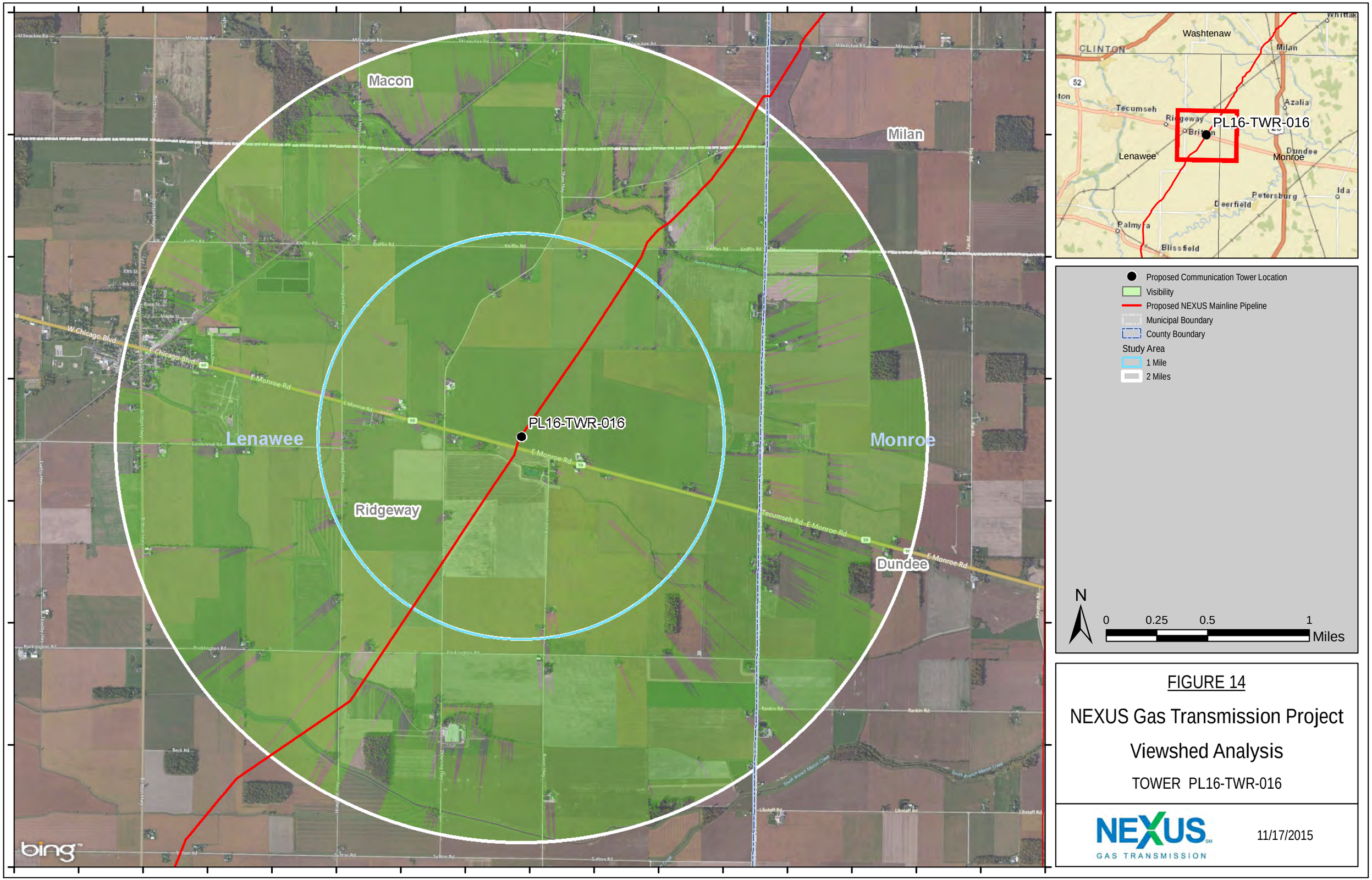


FIGURE 14

NEXUS Gas Transmission Project

Viewshed Analysis

TOWER PL16-TWR-016

NEXUS GAS TRANSMISSION

11/17/2015

6.0 MITIGATION

It is difficult to mitigate a 140 and 190 foot tower in open land. Non-reflective and non-specular materials will be used as best as practicable. One form of mitigation applied was a reduction in tower height to preclude the use of Federal Aviation Administration ("FAA") lighting. Tower heights were specifically chosen to be lower than the 200 foot high FAA threshold where lighting would be required. Therefore there will be no visual light intrusion at night. The lower 140 foot tower location at the Wadsworth substation was chosen due to the proximity to a nearby airport. Additionally, minimal communications equipment will be applied to the tower, and therefore visual bulk will be reduced as observed in the expected configuration shown in Figure 4.

7.0 LIGHTING

Tower heights at all locations have been selected to be lower than FAA regulatory requirements for tower lighting which is 200 feet above ground level, and therefore no tower lighting will be required.