



**Construction Notice for the
PIR #2303 Millerton Street, Canton
Township, Stark County, Ohio 12-inch
High Pressure Distribution Line
Replacement**

**Ohio Power Siting Board
Case No. 16-2405-GA-BNR**



COLUMBUS | CLEVELAND
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December 22, 2016

Via Electronic Filing

Ms. Barcy McNeal
Administration/Docketing
Ohio Power Siting Board
180 East Broad Street, 11th Floor
Columbus, Ohio 43215-3793

**Re: Dominion East Ohio,
Case No. 16-2405-GA-BNR**

Dear Ms. McNeal:

Enclosed for filing in the above-referenced case is a copy of the Construction Notice Application of Dominion East Ohio ("DEO") to replace approximately 3,106 feet of existing 10-inch diameter natural gas pipeline with 3,200 feet of new 12-inch diameter pipeline within public and existing/modified DEO right-of-way. The new line will tie into the old line 25 feet west of State Route 43 at Adelman's Trucking Company. A valve will be installed pointed north and south, parallel to Waynesburg Drive in preparation for a future project. The new line will be laid offset from the current line in a modified easement on Adelman's property to 300 feet west of the producer well #K-087. The line will then cross Millerton Street and laid offset 15 feet from the existing line until it reaches the tie in point at the southeast corner of the Millerton Street/Moore Avenue intersection. In addition, we have provided the Staff of the Ohio Power Siting Board with five hard copies of the Application. In addition, we have provided the Staff of the Ohio Power Siting Board with five hard copies of the Application.

DEO makes the following declarations pursuant to OAC Rule 4906-6-05(A):

Name of Applicant: Dominion East Ohio
320 Springside Drive
Akron, OH 44333

**Name/Location of
Proposed Facility:** PIR #2303 Distribution Line Replacement Project
Millerton Street, Canton Township, Stark County, Ohio

**Authorized Representative
Technical:** Nicholas R. Justus
Engineer I Pipeline Infrastructure Replacement
320 Springside Drive
Akron, OH 44333
Telephone: 330-664-4486
E-Mail: nicholas.r.justus@dom.com

Case No. 16-2405-GA-BNR
December 22, 2016
Page 2

**Authorized Representative
Legal:**

Sally W. Bloomfield
Dylan Borchers
Bricker & Eckler LLP
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Columbus, OH 43215
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Facsimile: 614-2990
E-Mail: sbloomfield@bricker.com
dborchers@bricker.com

Notarized Statement: See Attached Affidavit of Nicholas R. Justus on behalf of Dominion East Ohio

Sincerely on behalf of
DOMINION EAST OHIO



Sally W. Bloomfield

Enclosure

**BEFORE
THE OHIO POWER SITING BOARD**

In the Matter of the Construction Notice of)
Dominion East Ohio for the PIR #2303 Millerton)
Street, Canton Township, Stark County, Ohio) Case No. 16-2405-GA-BNR
Pipeline Replacement Project)

AFFIDAVIT OF NICHOLAS R. JUSTUS, DOMINION EAST OHIO

STATE OF OHIO :
: ss
COUNTY OF SUMMIT :

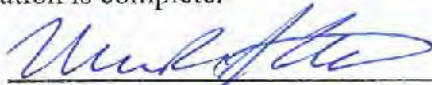
I, Nicholas R. Justus, being duly sworn and cautioned, state that I am more than 18 years of age and competent to testify to the matters stated in this affidavit and further state the following based upon my personal knowledge:

1. I am an Engineer with the Pipeline Infrastructure Replacement Department of Dominion East Ohio and am authorized to execute this Affidavit.

2. I have reviewed the Dominion East Ohio Construction Notice Application in the above referenced case.

3. To the best of my knowledge, information and belief, the information and materials contained in the above-referenced Application are true and accurate.

4. To the best of my knowledge, information and belief, the above-referenced Application is complete.



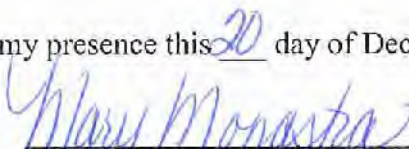
Nicholas R. Justus

Sworn to before and signed in my presence this 20 day of December 2016.



11063856v1

MARY MONASTRA
Notary Public, State of Ohio
My Commission Expires 08/1/2021



Notary Public

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

The following information is in accordance with the procedures set forth in Ohio Administrative Code (“OAC”) Chapter 4906-6 Accelerated Certificate Application Requirements of the Rules and Regulations of the Ohio Power Siting Board (“OPSB” or “Board”).

4906-6-05 APPLICATION REQUIREMENTS

4906-6-05(B)(1): Name and Reference Number

The applicant is Dominion East Ohio (“DEO”). The name of the pipeline project is PIR 2303 – Millerton Street. The internal project number is P#400093137.

4906-6-05(B)(1): Brief Description of Project

DEO is planning to replace approximately 3,106 feet of existing 10-inch diameter natural gas pipeline with 3,200 feet of new 12-inch diameter pipeline within public and existing/modified DEO right-of-way (“ROW”). The new 12-inch diameter pipeline will have an MAOP of 160 pounds per square inch gage (“psig”). The pipeline will be replaced as follows:

The new line will tie into the old line 25 feet west of State Route 43 at Adelman’s Trucking Company. A valve will be installed pointed north and south, parallel to Waynesburg Drive in preparation for a future project.

The new line will be laid offset from the current in a modified easement on Adelman’s property to 300 feet west of the producer well #K-087. The line will then cross Millerton Street and laid offset 15 feet from the existing line until it reaches the tie in point at the southeast corner of the Millerton Street/Moore Avenue intersection. DEO will dead lay the new pipe next to the existing pipe. Then it will cut out a section of pipe and cap the existing live pipe creating a single feed in order to keep the existing customers in

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

service. Once the new line becomes live, the existing gas service will be switched to the new line.

4906-6-05 (B)(1): Why the Project Meets the Requirements for CN

This project qualifies as a Construction Notice because it fits the criteria of OAC Rule 4906-1-01, Appendix B (1) that provides for the construction or replacement of an existing pipeline if it is not more than one (1) mile in length. In this instance, DEO will be replacing 0.61 miles (3,200 feet) of pipeline.

The replacement pipeline will be located entirely within DEO's service area. DEO owns and operates the existing line that will be replaced and will continue to own and operate the replacement pipeline. The primary purpose of the replacement will be to take out of service the aging and obsolete pipeline to ensure a safe and constant natural gas supply to DEO's customers.

4906-6-05(B)(2): Statement of Need for the Proposed Facility

DEO transports gas in the existing pipeline to supply various distribution pipeline systems that ultimately supply end-use customers. The replacement is necessary to meet current supply demands, and to maintain pipeline safety and reliability. In addition, the pipeline replacement will allow for a complete integrity evaluation along the high pressure pipeline #2289 between the defined beginning and end points of the project. The project design and construction is an effort to maintain pipeline safety and integrity.

4906-6-05(B)(3): Location of the Project

Attachment A contains an area system map showing the location of the proposed project in relation to existing or proposed lines and substations. The replaced pipeline will

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

be located within existing/modified DEO easements. A small portion of the project will be within the road ROW. The project sections are located in Canton Township, Stark County, Ohio.

The DEO ROW exists as a partially-maintained mixture of maintained lawn, agricultural land, and wooded property. Millerton Street is a county road and Waynesburg Drive (State Route 43) is under the Ohio Department of Transportation (“ODOT”) jurisdiction.

4906-6-05(B)(4): Alternatives Considered

As mentioned earlier, DEO is planning to replace approximately 3,106 feet of existing 10-inch diameter natural gas pipeline with 3,200 feet of new 12-inch diameter pipeline within public and existing/modified DEO ROW. The new line will be installed in a new trench offset from the existing distribution line that will be abandoned.

Potential alternatives would involve the following: (1) laying the line across the street from the existing line; (2) laying the new line in the street completely in the public ROW; or (3) taking the existing line out of service to replace the line in the same area. Laying the line across the street would cause new disturbances with tree clearing. The current position of the line is already being up kept so minimal tree clearing would be required to lay the new line. Laying the line in the road would require a shutdown of the majority of the road, increase costs for installation, and an increase the area effects since because of the need to reroute further down the street to come back up to the tie in point. Replacing the pipeline within the trench from which the existing pipeline is removed would require less ground disturbance, but would require the high pressure line to be

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

taken out of service leaving the customers that are fed off of this section of the line out of service. In each one of these alternatives there is greater safety, socioeconomic, and cost driven factors making the chosen route the best possible choice.

4906-6-05(B)(5): Description of Public Information Program

DEO has sent letters to property owners and tenants listed on **Attachment B**, informing them of the nature of the project, the proposed timeframe of the project construction, and the restoration activities. Another set of letters will be sent prior to the start of construction activities being conducted in the vicinity of the property owners or tenants.

Notification letters were sent the week of September 26, 2016 to all parties identified on **Attachment B**. The first model landowner notification letter is included for reference in **Attachment C-1**. A copy of the pre-construction letter to be sent to all the landowners and tenants prior to the start of construction is included as **Attachment C-2**.

4906-6-05(B)(6): Anticipated construction schedule, in-service date

The construction of the replacement pipeline is anticipated to begin approximately in March, 2017. DEO plans to place the line in-service by August 2017.

4906-6-05(B)(7): Project Area Map and Directions

An area map that is at least of a 1:24000 scale that depicts roads, streets, and highways is attached as **Attachment A**.

4906-6-05(B)(8): Property Owner List

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

A list of the affected properties for which DEO has obtained easements, options, and/or land use agreements is given on **Attachment B**, which also contains the addresses of tenants affected by the accelerated application. Easements have been obtained from all affected property owners.

4906-6-05(B)(9)(a): Operating Characteristics, Required Structures, and Right-of-Way and/or Land Requirements

Pipeline MAOP: The new pipeline will operate at an MAOP of 160 psig, and have a diameter of twelve (12) inches.

Pipe Material: The proposed twelve (12) inch steel pipeline will have a wall thickness of 0.375 inch and yield strength of 42 thousand pounds per square inch (“psi”). The pipeline will be cathodically protected by seventeen (17) pound anodes and will be externally coated with 14-16 Mils of Fusion Bonded Epoxy.

Structures: No additional structures will be required for the new pipeline.

Right-of-Way and/or Land Requirement: Replacement of the pipeline will occur within the existing/modified sixty (60)-foot wide easement owned by DEO and within road ROW. Temporary construction materials laydown areas will be necessary for the implementation of this project. The size and location of laydown areas will be determined by the selected construction contractor after the bidding process has been completed. The selected laydown area will be late filed.

4906-6-05(B)(9)(b): Electric and Magnetic Fields

This project involves the replacement of a natural gas pipeline; therefore, this section is not applicable.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

4906-6-05(B)(9)(c): Estimated Capital Costs

The 2016 capital cost of this project, both jurisdictional and non-jurisdictional, is estimated to be approximately \$700,725.

4906-6-05(B)(10)(a): Land Use

The proposed project is located within Canton Township in Stark County, Ohio. Land use associated with the project area include commercial and residential areas with land covers of gravel, mowed grass and lawn trees, pavement, upland old field, successional woods, and emergent and scrub/shrub wetland. The wooded areas are interspersed throughout the project, totaling 0.09 miles (500 feet). Clearing of some trees within the wooded areas will be required in order to implement the project. One of the trees has potential habitat for endangered or threatened bats and will be removed between October 1 and March 31. The total length of pipe to be installed in public ROW is 0.04miles (200 feet). The rest of the pipe will be installed in DEO easements.

4906-6-05(B)(10)(b): Agricultural Land

As mentioned previously, land uses associated with the project area include commercial and residential areas with land covers of gravel, mowed grass and lawn trees, pavement, upland old field, successional woods, and emergent and scrub/shrub wetland. According to the Stark County Auditor's Office, none of the properties within the project area are designated as agricultural district lands.

4906-6-05(B)(10)(c): Archeological and Cultural Resources

In September 2015, DEO's consultant, Davey Resource Group, performed a Desktop Literature Review of archeological and cultural resources for the study corridor

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

(refer to the Ohio Historic Preservation Office mapping in **Attachment D** and the Field Summary Report, page 3 included in **Attachment E**). Their study corridor included thirty (30) feet from the center line of Millerton Street SE, as well as thirty (30) feet on either side of the gas line running along the road ROW of Millerton Street SE, and extending north then northeast from Millerton Street SE to Waynesburg Drive SE within a utility easement. The desktop literature review included a search of the Ohio Historic Preservation Office (OHPO) data records for Ohio Archaeological Inventory (“OAI”) Properties, Determinations of Eligibility Properties, National Register Listed Properties, Ohio Historic Inventory (“OHI”) Properties, National Register Listed Districts, and Phase 1, 2, or 3 Survey Areas.

According to the records search, no OAI Properties, Determination of Eligibility Properties, National Register Listed Properties, OHI Properties, National Register Listed Districts, or Phase 1, 2, or 3 Survey Areas were identified within or adjacent to the project area and thus no filing was required with the OHPO.

4906-6-05(B)(10)(d): List of Governmental Agencies Which Have Requirements to be met by the Project

The following agencies have requirements to be met at various times by this project:

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

Name of Agency	Document to be Submitted	Attachment
U.S. Army Corps of Engineers ("USACE")	April 27, 2015 Nationwide Permit No. 12 Pre-Construction Notification	H-1
	May 27, 2015 Nationwide Permit No. 3 Verification Modification (LRH-2015-00412-TUS-UNT to Sherrick Run)	H-2
	June 2, 2016 Permit Modification Submittal	I-1
	June 14, 2016 Nationwide Permit No. 3 Verification Modification (LRH-2015-00412-TUS-UNT to Sherrick Run)	I-2
U.S. Fish and Wildlife Service ("USFWS")	June 6, 2016 Threatened and Endangered Species Consultation	J-1
	June 27, 2016 USFWS Response	J-2
Ohio Department of Natural Resources ("ODNR")	Threatened and Endangered Species Consultation	K
	Cultural Resources Desktop Review Mapping	D
	Field Summary Report	E
Ohio Environmental Protection Agency	June 21, 2016 NOI for General Construction Stormwater Permit	G-1
	NPDES Construction Site Storm Water General Permit No. 3GC08706*AG	G-2
Stark County Soil and Water Conservation District ("SWCD")	June 2, 2016 SWPPP and SWPPP Checklist	F-1
	June 8, 2016 SWPPP Approval	F-2
Stark County Engineer's Office	Requisite Road Permits	To be obtained prior to construction

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

A construction Storm Water Pollution Prevention Plan (“SWPPP”) has been prepared for the project. The SWPPP will be included in the package submitted for competitive bids from contractors. In addition, the SWPPP was submitted to the Stark County Soil and Water Conservation District (“SWCD”) on June 2, 2016 (**Attachment F-1**), and approval was received on June 8, 2016 (**Attachment F-2**). The authorization from the Stark SWCD is valid for two (2) years from the date of the coordination response letter. However, as long as the project scope does not change, coordination with the Stark SWCD does not need to be re-initiated unless requested by Stark SWCD.

A Notice of Intent (NOI) for coverage under the Ohio Environmental Protection Agency (“Ohio EPA”) General Permit OHC000004 – Construction Storm Water is required for this project. An NOI application was submitted on June 2, 2016 (**Attachment G-1**) and authorization from Ohio EPA was received on June 21, 2016, Facility Permit Number 3GC08706*AG (**Attachment G-2**). The authorization from the Ohio EPA is valid as long as the general permit is in effect, until April 20, 2018.

To replace the pipe for this project, it is necessary to open cut through Wetland 1 and Stream 2 within the pipeline easement. On April 27, 2015, DEO submitted a request to the U. S. Army Corps of Engineers (“USACE”) a Pre-Construction Notification for PIR 2022, an overlapping project (**Attachment H-1**). DEO received authorization under Nationwide Permit (“NWP”) No. 3 for PIR 2022 to impact the same location of Wetland 1 (Department of the Army Permit No. LRH-2015-00412-TUS-UT to Sherrick Run, **Attachment H-2**). DEO submitted a request on June 2, 2016 USACE for modification to the PIR 2022 authorization to include the PIR 2303 Wetland 1 crossing (**Attachment I-1**).

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

An authorization letter was issued June 14, 2016, for additional temporary discharge into Wetland 1 associated with the PIR 2303 line (**Attachment I-2**). As the stream crossing of Stream 2 would fall under a non-reporting NWP No. 3, a second modification to the existing permit was not necessary.

All proposed construction-related activities involved will follow those authorized in the USACE 2012 Nationwide Permits for a NWP No. 3 (Maintenance). The Ohio EPA issued a Section 401 Water Quality Certification with conditions for NWP No. 3 on March 30, 2012. All NWP No. 3 general conditions, regional conditions, and Ohio EPA special limitations and conditions will be met, obviating the need to obtain an individual 401 Water Quality Certification.

Once construction plans are completed, they will be submitted to the Stark County Engineer for the appropriate road opening permits.

There are no other known local, state, or, federal requirements that must be met prior to commencement of construction on the proposed pipeline project.

4906-6-05(B)(10)(e): Federal and State Designated Species

In October 2015, and March and September 2016, DEO's consultant, Davey Resource Group, reviewed the project corridor for suitable habitat for federally listed species known to be located within Stark County, Ohio. Their study corridor included thirty (30) feet from the center line of Millerton Street SE, as well as thirty (30) feet on either side of the gas line running along the road ROW of Millerton Street SE, and extending north then northeast from Millerton Street SE to Waynesburg Drive SE within a utility easement.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

According to the U.S. Fish and Wildlife Service (“USFWS”), two (2) federally listed species have ranges which include Stark County, Ohio: the Indiana bat (*Myotis sodalis*), a federally endangered species; and the northern long-eared bat (*M. septentrionalis*), a federally threatened species. Additionally, the bald eagle (*Haliaeetus leucocephalus*), a species of concern, is protected under the Bald and Golden Eagle Protection Act and is known to occur in Stark County.

On June 6, 2016, DEO submitted a letter to the USFWS requesting a finding regarding any adverse effect to any federally listed species and natural areas that have a geological and/or ecological significance (**Attachment J-1**). A response was received from USFWS on June 27, 2016 (**Attachment J-2**). USFWS recommends that the proposed project avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands), and that natural buffers around streams and wetlands should be preserved to enhance beneficial functions. Best Management Practices (“BMPs”) should be used to minimize erosion, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species to prevent non-native, invasive plant establishment.

Additionally, USFWS determined the project is within the range of the Indiana bat and northern long-eared bat. USFWS recommended that trees greater than or equal to three (3) inches in diameter at breast height (“DBH”) be saved wherever possible. If these trees cannot be saved, they can only be cut between October 1 and March 31.

Due to the project type, size, and location, USFWS does not anticipate adverse effects to any other federally endangered, threatened, proposed, or candidate species.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

On June 6, 2016 DEO submitted a letter to the Ohio Department of Natural Resources (“ODNR”) requesting a finding regarding any adverse effect to any state listed species and natural areas that have a geological and/or ecological significance (**Attachment K-1**). An e-mail response from ODNR was received July 13, 2016 (**Attachment K-2**).

The ODNR National Heritage Database has no records at this project site. The ODNR Division of Wildlife (“DOW”) has determined that the project area occurs within the range of seven (7) state-listed species: the state and federally endangered Indiana bat, the state and federally endangered clubshell mussel (*Pleurobema clava*), the state endangered and federal candidate rabbitsfoot mussel (*Quadrula cylindrica cylindrica*), the state endangered long-solid mussel (*Fusconaia maculata maculata*), the state endangered Iowa darter (*Etheostoma exile*), the state endangered spotted turtle (*Clemmys guttata*), and the state endangered black bear (*Ursus americanus*). The DOW had the following comments regarding these listed species:

- If suitable habitat for the Indiana bat occurs within the project area, the Department of Wildlife recommends trees be conserved. If trees must be cut, DOW recommends cutting occur between October 1 and March 31. If trees must be cut during the summer months, a net survey must be conducted between June 1 and August 15, prior to any cutting.
- Due to the location, and that there is no in-water work proposed in a perennial stream, this project is not likely to impact the clubshell, rabbits foot, or long-solid mussels.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

- Due to the location, the type of habitat at the project site and within the vicinity of the project area, and the type of work proposed, this project is not likely to impact the spotted turtle.
- Due to the mobility of the species, the project is not likely to impact the black bear.

4906-6-05(B)(10)(f): Areas of Ecological Concern

There are no national or state parks or forests, designated or proposed wilderness areas, wildlife refuges, national or state wild and scenic rivers, wildlife management areas, or wildlife sanctuaries located within or within the immediate vicinity of the proposed project.

In October 2015, and March and September 2016, DEO's consultant Davey Resource Group performed a delineation of wetlands and other waters for this particular project (See Field Summary Report in **Attachment D**). Its study corridor included thirty (30) feet from the center line of Millerton Street SE, as well as thirty (30) feet on either side of the gas line running along the road ROW of Millerton Street SE, and extending north then northeast from Millerton Street SE to Waynesburg Drive SE within a utility easement.

According to the assessment of the corridor, one (1) emergent wetland (Wetland 1) and one (1) ephemeral stream (Stream 2) are located within the project area. A second off-site stream, Stream 1, is named on the project mapping due to its inclusion in the PIR 2022 project area and NWP authorization. A copy of the delineation report for PIR 2022,

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

which includes Stream 1 and Wetland A, was submitted as Attachment B to the Pre-Construction Notification to the USACE included in **Attachment H**.

In order to complete the project, a three (3)-foot wide and four (4)-foot deep trench will be constructed along the entire length of the proposed pipeline to be replaced. To install the pipeline for this project, it is necessary to temporarily impact Wetland 1 and Stream 2. No permanent filling of these surface waters will occur; following pipe installation, pre-construction contours will be restored. Separation of the topsoil from the subsoil will generally be performed at wetlands, streams, open waters, residential properties, and agricultural lands. The backfill material that will be returned to the trench will consist of the same material removed from the trench, to the extent practicable.

A disturbance width of fifty (50) feet wide through Wetland 1 and Stream 2 is necessary for project activities. A total of 0.021 acre of wetland and 32 feet of stream (3 bank-to-bank, 0.002 acre) will be temporarily impacted. Construction will be limited to these areas and will require soil disturbance to accommodate areas for the trench excavation, side-cast spoil, temporary storage of the new pipe, and equipment/vehicular traffic. All work shall be performed within these authorized limits of disturbance.

Following pipeline replacement, all disturbed areas will be returned to their original slope and contour, stabilized, seeded, and revegetated to provide a permanent herbaceous cover to stabilize the soils, and temporary erosion controls will be maintained until this permanent cover is established. Exposed slopes and stream banks will be stabilized immediately upon completion of the work at the waterbody.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

The water resource referenced above is under the jurisdiction of the Ohio EPA and the Huntington District of the USACE. The project does not cross any land designated as Federal Emergency Management Agency (“FEMA”) 100-year floodplain.

4906-6-05(B)(10)(g): Any Known Unusual Conditions Resulting in Significant Environmental, Social, Health, or Safety Impacts

As illustrated by the studies and investigations conducted as a part of this project to date (refer Attachments E-K), there are no readily known unusual conditions in the area of the proposed project that will result in significant environmental impacts. Because this project proposes to replace existing pipeline, there has already been prior ground disturbance and maintenance in the area. Other than slight potential health and safety issues associated with construction, which will be minimized with BMPs during construction, there are no additional health, social or safety impacts that will exist as a result of this project.

4906-6-07 SERVICE AND PUBLIC DISTRIBUTION OF ACCELERATED CERTIFICATE APPLICATIONS

4906-6-07(A)(1): Service of Accelerated Application Upon Officials

Simultaneously with the filing of this accelerated application with the Board, DEO has caused a copy of the application to be delivered to the following public officials:

Stark County Commissioners
Brant A. Luther
County Administrator
110 Central Plaza South, Suite 240
Canton, OH 44702

Robert Fonte,
President
Stark County Regional Planning Commission
201 3rd Street NE, Suite 201
Canton, Ohio 44702-1211

Chairman Randy Pero
Stark Soil & Water Conservation District
2650 Richville Drive SE, Suite 100
Massillon, OH 44646

Canton Township Board of Trustees Office
c/o William Mittas, President
4711 Central Avenue SE
Canton, Ohio 44707

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

Keith A. Bennett, P.E., P.S.
Stark County Engineer
5165 Southway Street S.W.
Canton, OH 44706

Jonathan Smith, Zoning Director
Canton Township Board of Trustees Office
4711 Central Avenue SE
Canton, Ohio 44707

A copy of this accelerated application and a transmittal letter (**Attachment L**) has been sent to the officials listed above.

4906-6-07(A)(2): Service of Accelerated Application Upon Main Public Libraries of Each Political Subdivision

A copy of this accelerated application is being sent to the Stark County District Library located at 715 Market Avenue North, Canton, Ohio 44702.

4906-6-07(A)(3): DEO's Website

A copy of the accelerated application is located on DEO's web page at <https://www.dom.com/business/dominion-east-ohio/customer-service/rates-and-regulation/siting-board-filings>. Choose the case number of this case and double click to view the application.

Further interested persons may contact the DEO Project Manager, Nicholas R. Justus at (330) 664-4486, or nicholas.r.justus@dom.com to obtain either an electronic copy or a paper copy of this accelerated application. Requests can be made in writing to 320 Springside Drive, Akron, Ohio 44333.

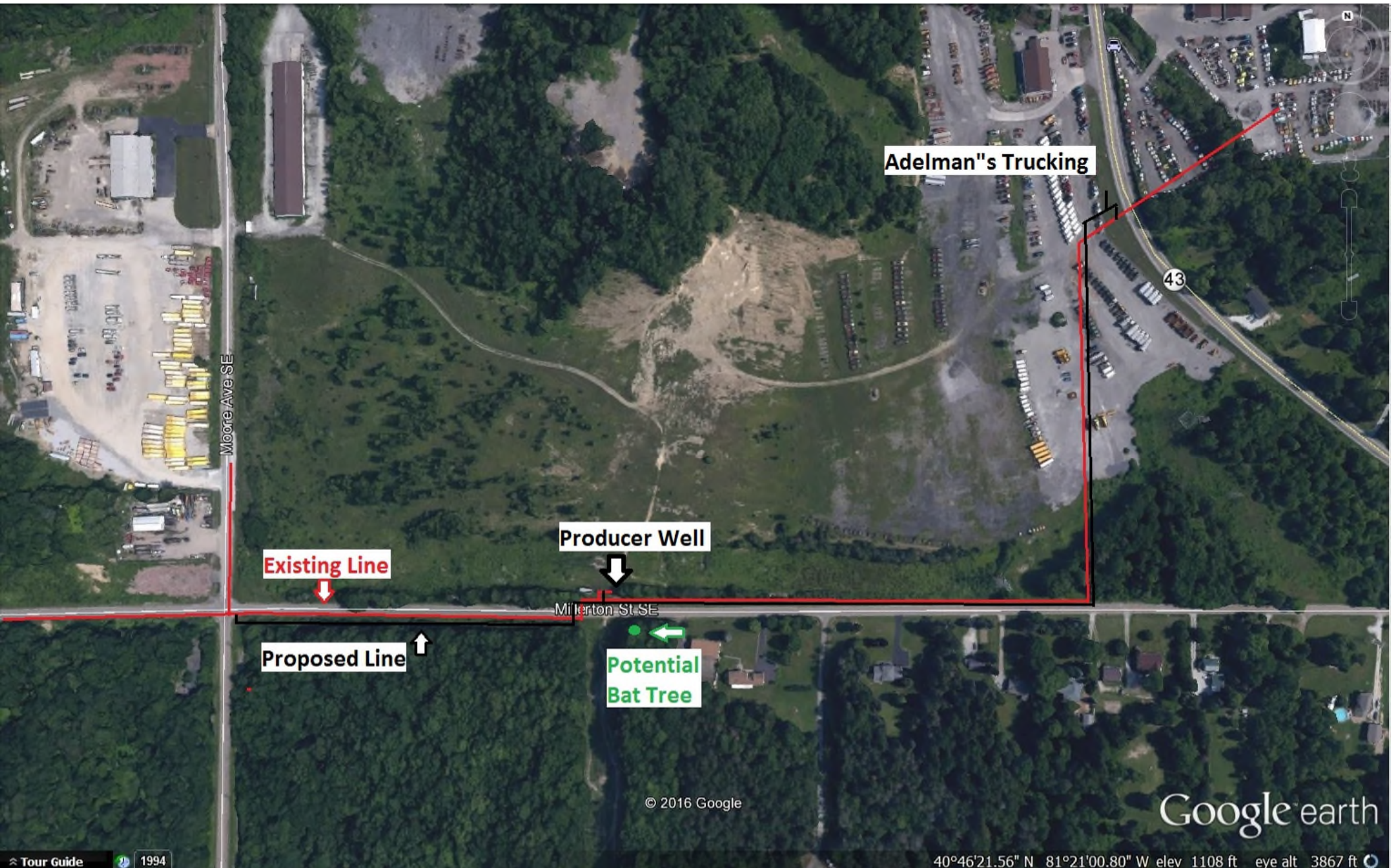
4906-6-07(B): Proof of Compliance

Within seven (7) days of the filing of this accelerated application, DEO will cause proof of compliance with this requirement to be filed with the Board.

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT A

AERIAL MAP



Adelman's Trucking

Existing Line

Producer Well

Proposed Line

Potential
Bat Tree

© 2016 Google

Google earth

40°46'21.56" N 81°21'00.80" W elev 1108 ft eye alt 3867 ft

Tour Guide 1994

CASE NO. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT B

**LANDOWNERS OF PERMANENT & TEMPORARY
EASEMENTS/TENANTS**

Current Property Owner	Property Address	City	State	Zip	Mailing Address	City	State	Zip	Parcel #	Right to Additional Lines Y / N	Right to Lay Parallel Only Y / N	Right to Abandon Y / N	Blanket or Defined Easement B / D
Patriot Development Co Ltd	Belden Ave SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1312533	N	Y	N	D
Lisa Hoover	Millerton St SE	Canton	OH	44707	2122 Millerton St SE	Canton	OH	44707	1300530				
Lisa Hoover	2122 Millerton St	Canton	OH	44707	2122 Millerton St SE	Canton	OH	44707	1300529				
Lisa Hoover	Millerton St SE	Canton	OH	44707	2122 Millerton St SE	Canton	OH	44707	1300527				
Eugene & Susan Starr	Millerton St SE	Canton	OH	44707	2128 Millerton St SE	Canton	OH	44707	1300526				
William & Alice Talkington	2142 Millerton St SE	Canton	OH	44707	2142 Millerton St SE	Canton	OH	44707	1308996				
Douglas Bowling	2202 Millerton St SE	Canton	OH	44707	3087 Ravenna Ave SE	E Canton	OH	44730	1308998				
Theresa Phillips	2206 Millerton St SE	Canton	OH	44707	2206 Millerton St SE	Canton	OH	44707	1300528				
Steven & Rhoda Zook	Millerton St SE	Canton	OH	44707	2208 Millerton St SE	Canton	OH	44707	1302352				
Steven & Rhoda Zook	2208 Millerton St SE	Canton	OH	44707	2208 Millerton St SE	Canton	OH	44707	1302353				
Caressa Bishop	2220 Millerton St SE	Canton	OH	44707	2220 Millerton St SE	Canton	OH	44707	1301245				
Kevin Croston	2304 Millerton St SE	Canton	OH	44707	2304 Millerton St SE	Canton	OH	44707	1308878				
Patriot Development Co Ltd	2018 Moore Ave SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1300864	N	N	N	D
Patriot Development Co Ltd	Moore Ave SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1308557	N	N	N	D
Patriot Development Co Ltd	Belden Ave SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1312198	N	N	N	D
Patriot Development Co Ltd	2019 Waynesburg Dr SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1312333	N	N	N	D
Patriot Development Co Ltd	Millerton St SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1301263	N	N	N	D
Patriot Development Co Ltd	Waynesburg Dr SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1308683	N	N	N	D
Patriot Development Co Ltd	Waynesburg Dr SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1302608	N	N	N	D
Patriot Development Co Ltd	Waynesburg Dr SE	Canton	OH	44707	2000 Waynesburg Dr SE	Canton	OH	44707	1302609	N	N	N	D

CASE No. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT C

MODEL NOTIFICATION LETTERS TO PROPERTY OWNERS SENT

October 12, 2016

<NAME>

<ADDRESS>

<ADDRESS>

Dear Property Owner or Tenant:

New Pipeline Project

Dominion East Ohio (DEO) is preparing to construct a pipeline project to replace approximately 3,106 feet of existing 10 inch diameter natural gas pipeline with 3,200' feet of new 12" inch diameter pipeline within public and existing/modified DEO Right of Way. The replacement will take place next to Millerton Street and on private property offset from our current line.

Please be assured that during work on the project described above, all of DEO's Standard Safety and Operating Procedures and all applicable federal, state and local laws, regulations and ordinances will be fully adhered to.

Timeline for Construction of the Project

DEO anticipates that construction of the replacement pipeline will commence on or about March, 2017. The construction is expected to last until approximately August, 2017.

Restoration Activities

DEO will restore your property to the state that it was in prior to DEO's construction activities. It expects that the restoration activities will be completed by October, 2017.

Tenants

If you have tenants occupying this property, please advise them of this pipeline project.

Questions

Should you have any questions concerning this pipeline project, please contact Dominion East Ohio's Land Services Department at 1-855-226-6022.

Sincerely,

DOMINION EAST OHIO

Land Services Department

[DATE]

ADDRESS

Dear Property Owner or Tenant:

New Pipeline Project

As we indicated to you in a prior letter, Dominion East Ohio (DEO) is preparing to construct a pipeline project to replace approximately 3,106 feet of existing 10" inch diameter natural gas pipeline with 3,200 feet of new 12 inch diameter pipeline within public and existing/modified DEO Right of Way. The replacement will take place next to Millerton Street and on private property offset from our current line.

Please be assured that during work on the project described above, all of DEO's Standard Safety and Operating Procedures and all applicable federal, state and local laws, regulations and ordinances will be fully adhered to.

Timeline for Construction of the Project

DEO anticipates that construction of the replacement pipeline will commence on or about March 2017 . The construction is expected to last until approximately August 2017.

Restoration Activities:

DEO will restore your property to the state that it was in prior to DEO's construction activities. Once the work is complete, restoration will begin as soon as weather permits, including sidewalks, driveways and approaches. Typical yard restoration is limited to grading and seeding. DEO expects that the restoration activities will be completed by September 2017.

Tenants

If you have tenants occupying this parcel, please advise them of this pipeline project.

Questions/Complaints:

DEO has a complaint resolution process. Should you have any questions concerning this pipeline project, please contact Dominion East Ohio's Land Services Department at 1-855-226-6022 who will see that it is communicated to DEO's Project Manager, David Hollendonner. Please mention the project reference, located on the bottom of this letter, when you call. If you have a complaint during construction or restoration, your call will be returned in a timely manner. Please be aware that DEO will make every best effort to resolve issues pertaining to the project.

Safety is Dominion's highest priority. Be assured we will take every possible step to ensure the security of the area, your property, your family and our employees.

Sincerely,

DOMINION EAST OHIO

Land Services Department

Project Reference: PIR 2303

11021668v2

CASE No. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT D

OHIO HISTORIC PRESERVATION OFFICE
DESKTOP REVIEW MAPPING



Ohio Historic Preservation Office

Legend

NR Listings

- Listed
- National Historic Landmark
- Delisted

NR Determinations of Eligibility

- Archaeological Sites
- Historic Structures
- Historic Bridges
- Historic Tax Credit Projects
- OGS Cemeteries
- Dams
- UTM Zone Split
- NR Boundaries
- Phase 1
- Phase 2
- Phase 3
- Historic Previously Surveyed
- Highways

0 0.11 0.23 Miles

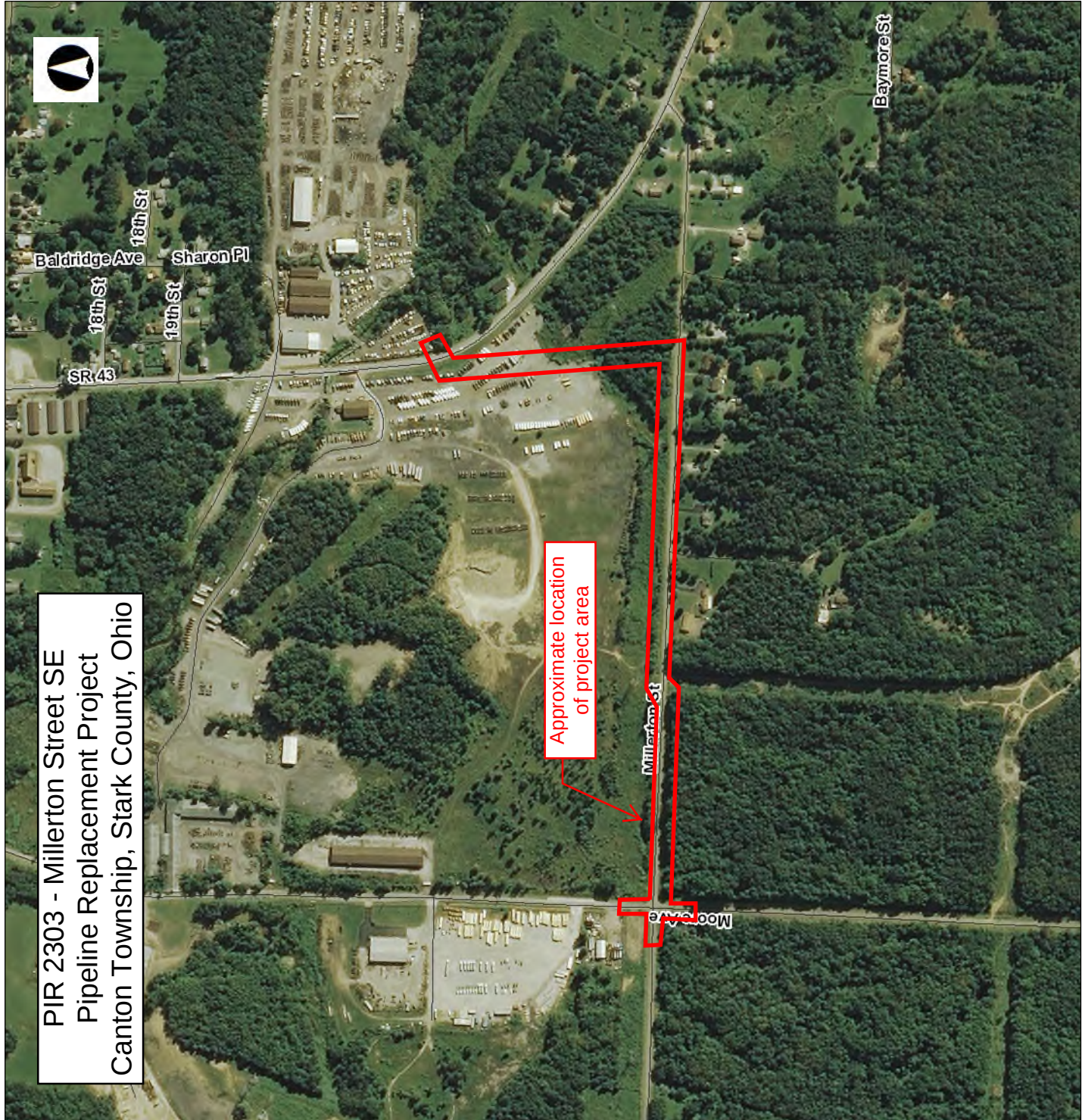
1: 9,027

Copyright/Disclaimer

This map is a user generated static output from an internet mapping site and is for general information only. It is not a substitute for a professional survey or engineering drawing. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Datum: [Datum]
Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere





PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township, Stark County, Ohio

CASE No. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT E

FIELD SUMMARY REPORT
PREPARED BY DAVEY RESOURCE GROUP



November 10, 2016

Corporate Headquarters
1500 North Mantua Street
P.O. Box 5193
Kent, Ohio 44240-5193
330.673.5685
Toll Free 1.800.828.8312
Fax 330.673.0860

Dave Hollendonner
The East Ohio Gas Company
320 Springside Drive, Suite 320
Akron, Ohio 44333

RE: *Field Summary Report*—PIR 2303 - Millerton Street SE, Canton Township,
Stark County, Ohio

Dear Mr. Hollendonner:

As requested, Davey Resource Group performed an ecological study on the area encompassing PIR 2303 – Millerton Street SE. The project area includes 30 feet from the road centerline and/or 30 feet on either side of the gas line running along the road ROW of Millerton Street SE, and extending north then northeast from Millerton Street SE to Waynesburg Drive SE. This survey was performed to collect information on wetlands, streams, potential endangered species habitat, and to map existing stormwater features. The data presented in this report reflect ecological information collected during the field survey. Maps depicting all ecological data collected in the field are located in Attachment A. Representative photographs of the project area are included in Attachment B.

SITE DESCRIPTION

The project area was surveyed on October 6, 2015, and March 30 and September 27, 2016. The project area is located within a rural area with commercial and residential land uses. Land covers within the project area consist of gravel, mowed grass and lawn trees, pavement, old field, successional woods, and emergent and scrub/shrub wetland.

WATER RESOURCE DELINEATION - WETLANDS

One (1) wetland is located southeast of the intersection of Millerton Street SE Moore Avenue SE, and extends offsite. The function and quality of this wetland has been assessed using the Ohio Environmental Protection Agency Rapid Assessment Method, v. 5.0 (ORAM). This assessment method evaluates wetlands based on the level of disturbance, function, and integrity. Using the ORAM, wetlands are categorized as Category 1 (low quality), Category 2 (moderate quality), or Category 3 (high quality).

This wetland has no buffers to the north and west, and is dominated by invasive *Phalaris arundinacea* (reed canary grass). Recent maintenance of the road ROW, including clearing of woody vegetation and dredging in roadside ditches, caused hydrologic, substrate, and habitat disturbances. Because of these reasons, the wetland received an ORAM score of 19.5, placing it within Category 1. Representative photographs of the wetland are included in Attachment B. A table listing the wetland within the project area is included in Attachment C. The ORAM form is included in Attachment D.

WATER RESOURCE DELINEATION – STREAMS

A small, ephemeral stream (Stream 2) is located north of Millerton Street SE at the eastern end of the project area. This stream flows from a culvert that passes underneath Millerton Street SE.

The Headwater Habitat Evaluation Index (HHEI), as developed by the Ohio EPA, was used to assess the habitat value of the stream. The specific assessment method used is based on the drainage area of the stream or the maximum pool depth. That is, the HHEI protocol is used for streams having watersheds less than one (1) square mile or a maximum pool depth less than 40 centimeters.

The HHEI assessment method uses three (3) metrics to assess potential habitat: channel substrate composition, bankfull width, and maximum pool depth. These metrics are used to distinguish between Class I, II, and III primary headwater habitat streams. Generally, a Class I stream has ephemeral flow, Class II has intermittent or perennial flow with warm water, and a Class III stream has perennial flow with cool-cold water.

As the drainage area for Stream 2 is less than one (1) square mile, the HHEI was used to assess the habitat value of this stream. The substrate of this stream is composed primarily of gravel and silt. Stream 2 has very shallow pools and a narrow bank full width. This stream has received a score of 28, using the HHEI protocol. This places it within the range of a Modified Class I primary headwater habitat stream.

Photographs of this stream are included in Attachment B. A table listing the stream within the project area is included in Attachment C. The HHEI form is included in Attachment E.

INDIANA BAT (*MYOTIS SODALIS*) AND NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*) HABITAT SURVEY

Summer roosting habitat for the Indiana bat and the northern long-eared bat includes large trees that contain characteristics such as exfoliating bark, dead wood, crevices, and cavities. To support a maternity colony, trees with a large amount of these habitat features need to have good solar exposure. These bats tend to inhabit trees at the edges of woodlots and along watercourses where they can travel and forage. Occasionally the northern long-eared bat may roost in structures like barns and sheds.

The project area was evaluated for potential habitat for these bats. No structures or riparian corridors occur in the project area. Two (2) areas of successional woods were identified within the project area. A small (~ 5 acre) section of successional woods is located north of Millerton Street SE on the east end of the project area. This section is dominated by small trees (~5 inches in diameter at breast height [DBH]) with a low canopy (~30 feet). Dominant tree species were *Fraxinus americana* (white ash), *Ulmus americana* (American elm), *Robinia pseudoacacia* (black locust), and *Populus deltoides* (eastern cottonwood). The understory is relatively open, with shrubs located primarily around the edges. A second, larger section of successional woods (>200 acres) is located south of Millerton Street SE on the western end of the project area. These woods have larger (8-13" DBH) and taller (~50 foot) trees with almost no understory. Dominant tree species were *Acer rubrum* (red maple), *P. deltoides*, *Prunus serotina* (black cherry), and *P. grandidentata* (bigtooth aspen). Neither section had a significant amount of snags or trees with exfoliating bark.

Additionally, two (2) trees were identified that have characteristics that may potentially provide habitat for the bats. The locations of these trees are marked on the map included in Attachment A. Photographs of these trees are included in Attachment B. The tree species, size, and habitat characteristics are listed in the table in Attachment F.

CULTURAL RESOURCES

Prior to the field survey, a review of the Ohio Historical Preservation Office (OHPO) data records for National Register Listed Properties, Archaeological Inventory Properties, Ohio Historic Inventory Properties, National Register Listed Districts, and Archaeological Phases 1–3 Survey Areas was done for PIR 2303 – Millerton Street SE and areas immediately adjacent. No Listed or Archaeological Properties, Ohio Historic Inventory structures, Listed Districts, or Survey Areas were identified within or adjacent to the project area.

If you have any questions or comments concerning this field summary report or if you need additional information, please contact me at 330-673-5685, ext. 8027 or via e-mail at valerie.locker@davey.com.

Sincerely,

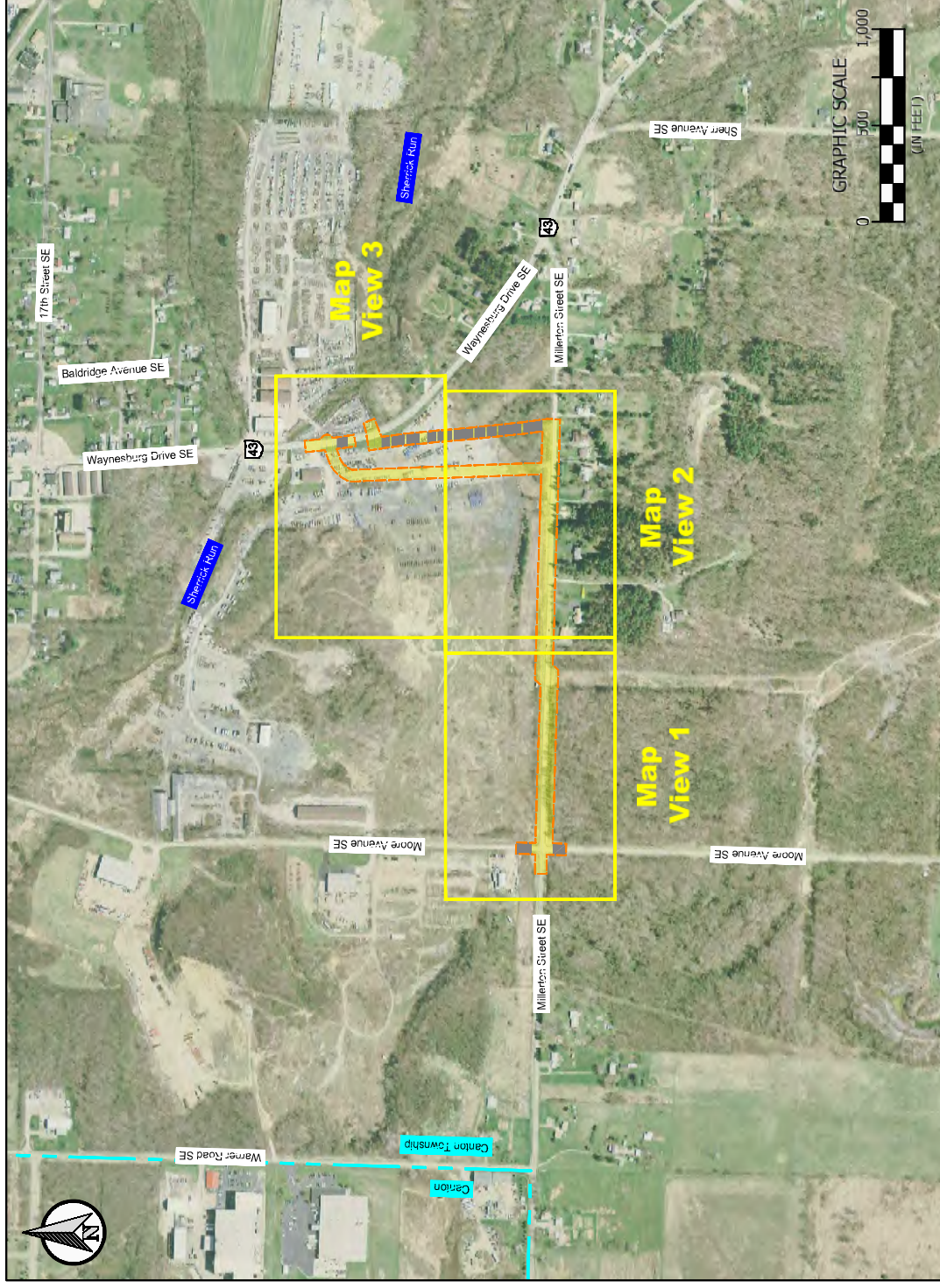
A handwritten signature in black ink that reads "Valerie Locker". The signature is written in a cursive style with a large, stylized "V" and "L".

Valerie Locker, Project Manager
Natural Resource Consulting

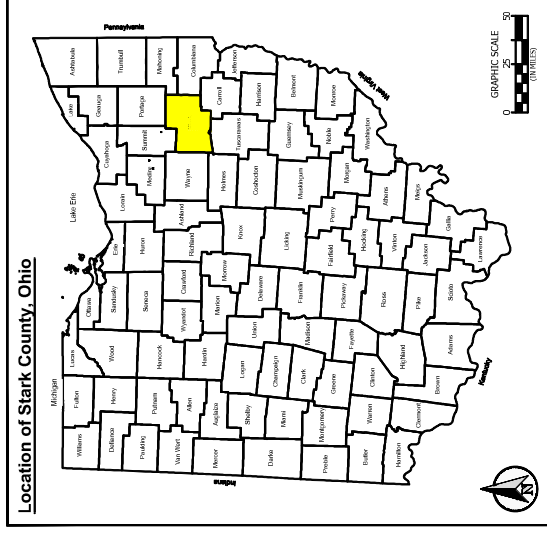
cc: Greg Eastridge, Dominion Resources Services, Inc.

Attachment A
Ecological Feature Maps

Map View Location Map



= Approximate study area



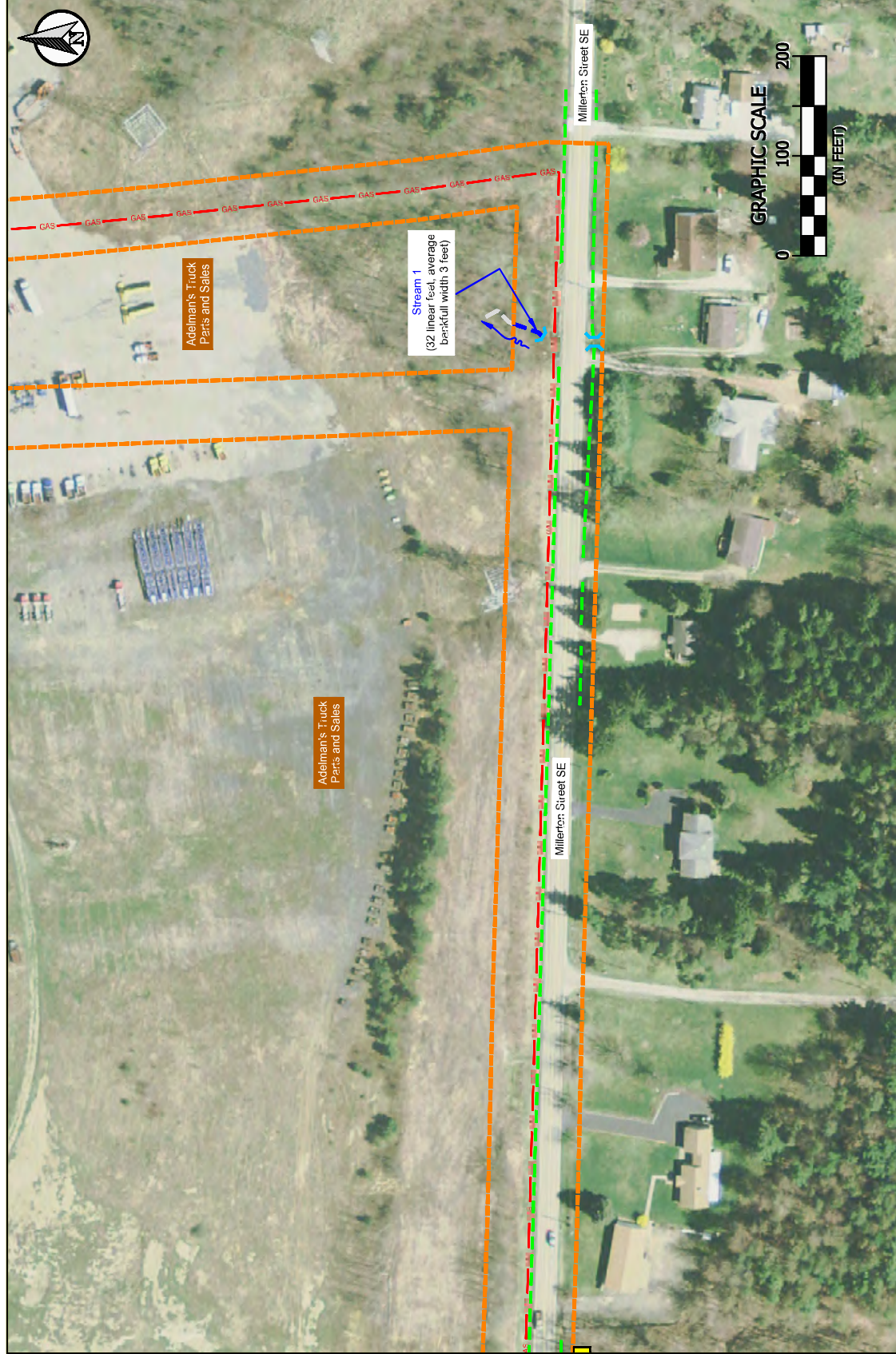
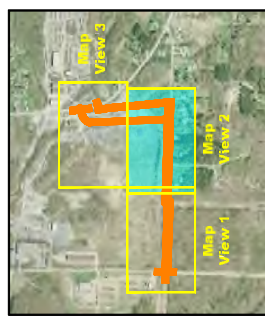
Prepared by:
DAVEY
RESOURCE GROUP
A Division of The East Ohio Gas Company

Prepared for:
The East Ohio Gas Company

PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township, Stark County, Ohio

Data used to produce this map were collected on
October 6, 2015,
March 30, 2016, and
September 19 and 27, 2016

Location
Map



— GAS — = Proposed gas line

- = Approximate study area
- = Intermittent stream (off-site)
- = Ephemeral stream
- = Non-jurisdictional roadside ditch
- = Non-jurisdictional swale
- = Direction of flow
- = Existing culvert(s)

1 = Potential roost tree for the federally endangered Indiana bat (*Myotis sodalis*) and the federally threatened northern long-eared bat (*Myotis septentrionalis*)

— = Areas of wetlands delineated within study area (0.037 acre)

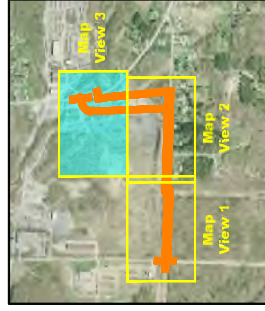
Prepared by:



The East Ohio Gas Company

PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township, Stark County, Ohio

Data used to produce this map were collected on October 6, 2015, March 30, 2016, and September 19 and 27, 2016



— GAS — = Proposed gas line

- = Approximate study area
- = Intermittent stream (off-site)
- = Ephemeral stream
- = Non-jurisdictional roadside ditch
- = Non-jurisdictional swale
- = Direction of flow
- = Existing culvert(s)

1 = Potential roost tree for the federally endangered Indiana bat (*Myotis sodalis*) and the federally threatened northern long-eared bat (*Myotis septentrionalis*)

= Areas of wetlands delineated within study area (0.037 acre)



Prepared by:

The East Ohio Gas Company

PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township, Stark County, Ohio

Data used to produce this map were collected on October 6, 2015, March 30, 2016, and September 19 and 27, 2016

Attachment B

Photographs

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27, 2016



Photograph 1. The PIR 2303 project area crosses through gravel lots located at Adelman's Truck Parts and Sales, west of Waynesburg Drive SE.



Photograph 2. The southern side of Millerton Street SE is predominantly residential development.

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27, 2016



Photograph 3. Old field beneath a powerline easement runs north of Millerton Street SE, within the PIR 2303 project area.



Photograph 4. The PIR 2303 project area crosses through successional woods north of Millerton Street SE.

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27,
2016



Photograph 5. South of Millerton Street SE, a large section of successional woods enters the PIR 2303 project area and extends offsite.



Photograph 6. Vegetated roadside ditches run along most of Millerton Street SE and Moore Avenue SE.

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27, 2016



Photograph 7. A non-jurisdictional swale is located within and extends beyond the project area, located south of Millerton Street SE.



Photograph 8. Wetland 1 is dominated by emergent vegetation within the PIR 2303 project area.

***PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27,
2016***



Photograph 9. Wetland 1 also contains scrub/shrub vegetation within the easement.



Photograph 10. Recent disturbances to Wetland 1 include maintenance of the roadside ditches and vegetation clearing in the road ROW.

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27, 2016



Photograph 11. A small, ephemeral stream drains north from a culvert on the north side of Millerton Street SE, within the project area.



Photograph 12. The stream drains north into a small area of successional woods.

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27, 2016



Photograph 13. The substrate of the stream is composed primarily of gravel and silt.



Photograph 14. Tree number 1 is a *Populus deltoides* (eastern cottonwood).

PIR 2303 – Millerton Street SE
Photographed October 6, 2015, and March 30 and September 27,
2016



Photograph 12. Tree number 2 is a *Prunus serotina* (black cherry).

Attachment C

Wetlands and Streams Delineated Within PIR 2303

Wetland	Wetland (acre) within Project Area	Land Cover within Project Area	ORAM	Category
1	0.037	Emergent, Scrub/Shrub	19.5	1

Stream	Stream Length (lf) within Project Area	Bankfull Width (feet)	Flow Regime	Dominant Substrate Type(s)	HHEI	Class
2	32	3.0	Ephemeral	Gravel and Silt	28	Modified 1 PHWH ¹

¹ Primary Headwater Habitat

Attachment D
ORAM Form

Site: PIR 2303 - Millerton Road SE				Date: 3/30/2016	
Wetlands: 1				Rater: Jeff Pettit	
Wetland Acreage:	0.037+	ORAM Score:	19.5	ORAM Category:	Category 1

1	1
Subtotal	Points

Metric 1. Wetland Area (size). (max 6 pts)

Select one size class and assign score.

☐	>50 acres (>20.2ha) (6 pts)
☐	25 to <50 acres (10.1 to <20.2ha) (5 pts)
☐	10 to <25 acres (4 to <10.1ha) (4 pts)
☐	3 to <10 acres (1.2 to <4ha) (3 pts)
☐	0.3 to <3 acres (0.12 to <1.2ha) (2pts)
☒	0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt)
☐	<0.1 acres (0.04ha) (0 pts)

8	7
Subtotal	Points

Metric 2. Upland buffers and surrounding land use. (max 14 pts)

2a. Calculate average buffer width (select one, do not double check)

☐	WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)
☒	MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
☐	NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1)
☐	VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0)

2b. Intensity of surrounding land use (select one or double check & average)

☐	VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)
☒	LOW. Old field (>10 years), shrubland, young second growth forest. (5)
☐	MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)
☒	HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)

14	6
Subtotal	Points

Metric 3. Hydrology. (max 30 pts)

3a. Sources of Water. Score all that apply.

☐	High pH groundwater (5)
☐	Other groundwater (3)
☒	Precipitation (1)
☐	Seasonal/Intermittent surface water (3)
☐	Perennial surface water (lake or stream) (5)

3d. Duration inundation/saturation.

(select one or double check & average)

☐	Semi- to permanently inundated/saturated (4)
☐	Regularly inundated/saturated (3)
☒	Seasonally inundated (2)
☐	Seasonally saturated in upper 30cm (12in) (1)

3b. Connectivity. Score all that apply.

☐	100 year floodplain (1)
☐	Between stream/lake and other human use (1)
☐	Part of wetland/upland (e.g. forest), complex (1)
☐	Part of riparian or upland corridor (1)

3e. Modifications to natural hydrologic regime.

(select one or double check & average)

☐	None or none apparent (12)
☐	Recovered (7)
☒	Recovering (3)
☒	Recent or no recovery (1)

3c. Maximum water depth. Select only 1.

☐	>0.7 (27.6in) (3)
☐	0.4 to 0.7m (15.7 to 27.6in) (2)
☒	<0.4m (<15.7in) (1)

Check all disturbances observed

☒ ditch	☐ point source (nonstormwater)
☒ dike	☐ filling/grading
☒ tile	☐ road bed/RR track
☒ weir	☐ dredging
☒ stormwater input	☐ other- list

18.5	4.5
Subtotal	Points

Metric 4. Habitat Alteration and Development. (max 20 pts.)

4a. Substrate disturbance. Score one or double check and average.

☐	None or none apparent (4)
☐	Recovered (3)
☒	Recovering (2)
☒	Recent or no recovery (1)

4c. Habitat alteration. Score one or double check and average.

☐	None or none apparent (9)
☐	Recovered (6)
☐	Recovering (3)
☒	Recent or no recovery (1)

4b. Habitat development. Select one.

☐	Excellent (7)
☐	Very good (6)
☐	Good (5)
☐	Moderately good (4)
☐	Fair (3)
☒	Poor to fair (2)
☐	Poor (1)

Check all disturbances observed

☒ mowing	☐ shrub/sapling removal
☒ grazing	☐ herbaceous/aquatic bed removal
☒ clearcutting	☐ sedimentation
☒ selective cutting	☐ dredging
☒ woody debris removal	☐ farming
☒ toxic pollutants	☐ nutrient enrichment

18.5	subtotal this page
------	--------------------

Site: PIR 2303 - Millerton Road SE

Date: March 30, 2016

Wetland: 1

Rater: Jeff Pettit

18.5 subtotal first page

18.5 0

Subtotal Points

Metric 5. Special Wetlands. (max 10 pts.)

Check all that apply and score as indicated

- ☐ Bog (10 pts)
- ☐ Fen (10 pts)
- ☐ Old Growth Forest (10 pts)
- ☐ Mature forested wetland (5 pts)
- ☐ Lake Erie coastal/tributary wetland-unrestricted hydrology (10 pts)
- ☐ Lake Erie coastal/tributary wetland-restricted hydrology (5 pts)
- ☐ Lake Plain Sand Prairies (Oak Openings) (10 pts)
- ☐ Relict Wet Prairies (10 pts)
- ☐ Known occurrence state/federal threatened or endangered species (10)
- ☐ Significant migratory songbird/waterfowl habitat or usage (10 pts)
- ☐ Category 1 Wetland. See Question 1 of Qualitative Rating. (-10 pts)

19.5 1

Subtotal Points

Metric 6. Plant Communities, interspersions, microtopography. (max 20 pts.)

6a. Wetland Vegetation Communities

Score all present using 0 to 3 scale

- ☐ Aquatic bed
- ☐ 1 Emergent
- ☐ 0 Shrub
- ☐ 0 Forest
- ☐ Mudflats
- ☐ Open water
- ☐ Other (list)

6b. Horizontal (plan view) interspersions

Select only one

- ☐ High (5)
- ☐ Moderately high (4)
- ☐ Moderate (3)
- ☐ Moderately low (2)
- ☒ Low (1)
- ☐ None (0)

6c. Coverage of invasive plants.

Refer to Table 1 ORAM long form for list. Add or deduct points for coverage

Phalaris arundinacea
Frangula alnus

- ☐ Extensive >75 % cover (-5)
- ☒ Moderate 25-75% cover (-3)
- ☐ Sparse 5-25% cover (-1)
- ☐ Nearly Absent <5% cover (0)
- ☐ Absent (1)

6d. Microtopography

Score all present using 0 to 3 scale

- ☐ 1 Vegetated hummocks/tussocks
- ☐ 1 Coarse woody debris >15 cm (6")
- ☐ Standing dead > 25 cm (10") dbh
- ☐ Amphibian breeding pools

Vegetation Community Cover Scale

0	Absent or comprises <0.1 ha (0.2471 acres) contiguous area
1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality
2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality
3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality

Narrative Description of Vegetation Quality

low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
moderate	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generally w/o presence of rare threatened or endangered spp
high	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp

Mudflat and Open Water Class Quality

0	Absent <0.1 ha (0.2471 acres)
1	Low 0.1 ha to <1 ha (0.2471 acres to 2.47 acres)
2	Moderate 1 ha to <4 ha (2.47 acres 9.88 acres)
3	High 4 ha (9.88 acres) or more

Microtopography Cover Scale

0	Absent
1	Present very small amounts or if more common of marginal quality
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
3	Present in moderate or greater amounts and of highest quality

19.5 **GRAND TOTAL (max 100 pts)**

End of Quantitative Rating. Complete Categorization Worksheets.

Comments:

Attachment E
HHEI Form



Primary Headwater Habitat Evaluation Form

HHEI Score (sum of metrics 1, 2, 3):

28

SITE NAME / LOC. Stream 2 / PIR 2303 - Millerton Street SE, Canton Township, Stark County, Ohio

SITE NUMBER _____ RIVER BASIN Tuscarawas River Drainage Area (mi²) < 1

Length of Stream Reach (200 ft) Lat. 40.77154 Long. -81.34686 RIVER MILE _____

DATE 3/30/2016 SCORER Brandon Beck, DRG COMMENTS Modified Class 1 Primary Headwater

NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Instructions

STREAM CHANNEL ☐ NONE / NATURAL CHANNEL ☐ RECOVERED ☒ RECOVERING ☐ RECENT OR NO RECOVERY

MODIFICATIONS:

1. **SUBSTRATE** (Estimate percent of every type of substrate present. Check ONLY two predominant substrate TYPE boxes (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B.

TYPE	PERCENT	TYPE	PERCENT
☐ ☐ BLDR SLABS [16 pts]	0%	☒ ☒ SILT [3 pts]	20%
☐ ☐ BOULDER (>256 mm) [16 pts]	0%	☐ ☐ LEAF PACK/WOODY DEBRIS [3 pts]	17%
☐ ☐ BEDROCK [16 pts]	0%	☐ ☐ FINE DETRITUS [3 pts]	0%
☐ ☐ COBBLE (65-256 mm) [12 pts]	3%	☐ ☐ CLAY or HARDPAN [0 pts]	0%
☒ ☒ GRAVEL (2-64 mm) [9 pts]	40%	☐ ☐ MUCK [0 pts]	0%
☐ ☐ SAND (<2 mm) [6 pts]	10%	☐ ☐ ARTIFICIAL [3pts]	10%

HHEI
Metric
PointsSubstrate
Max = 40

18

A + B

Total of Percentages of

(A)

(B)

Bldr Slabs, Boulder, Cobble, Bedrock:

3%

12

SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES:

TOTAL NUMBER OF SUBSTRATE TYPES:

6

2. **Maximum Pool Depth** (Measure the maximum pool depth within the 61 meter (200 ft) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes). (Check ONLY one box):

☐ >30 centimeters [20 pts]	_____	☐ >5 cm - 10 cm [15 pts]	_____
☐ >22.5 - 30 cm [30 pts]	_____	☒ <5 cm [5 pts]	_____
☐ >10 - 22.5 cm [25 pts]	_____	☐ NO WATER/MOIST CHANNEL [0 pts]	_____

Pool Depth
Max=30

5

COMMENTS:

MAXIMUM POOL DEPTH (centimeters)

10.0

3. **BANK FULL WIDTH** (Measured as the average of 3-4 measurements) (Check ONLY one box):

☐ >4.0 meters (>13') [30 pts]	_____	☐ >1.0 m - 1.5 m (>3'3"-4'8") [15 pts]	_____
☐ >3.0-4.0 m (>9' 7"-13') [25 pts]	_____	☒ ≤1.0 m (≤ 3'3") [5 pts]	_____
☐ >1.5-3.0 m (>4' 8"-9' 7") [20 pts]	_____		

Bankfull
Width
Max=30

5

COMMENTS:

AVERAGE BANKFULL WIDTH (meters)

0.9

This information must also be completed.

RIPARIAN ZONE AND FLOODPLAIN QUALITY

*NOTE: River Left (L) and Right (R) as looking downstream.

RIPARIAN WIDTH

L	R
☐ ☐	☐ ☐
☐ ☐	☐ ☐
☐ ☐	☐ ☐
☐ ☐	☐ ☐

(Per Bank)

Wide > 10 m

Moderate 5 - 10 m

Narrow < 5 m

None

COMMENTS:

(FLOODPLAIN QUALITY)

L	R
☐ ☐	☐ ☐
☐ ☐	☐ ☐
☐ ☐	☐ ☐
☐ ☐	☐ ☐

(Most Predominant per Bank)

Mature Forest, Wetland

Immature Forest, Shrub or Old Field

Residential, Park, New Field

Fenced Pasture

L R

Conservation Tillage

Urban or Industrial

Open Pasture, Row Crop

Mining or Construction

FLOW REGIME (At Time of Evaluation) (Check ONLY one box):

☐ Stream Flowing	☒ Moist channel, isolated pools, no flow (Intermittent)
☐ Subsurface flow with isolated pools (Interstitial)	☐ Dry channel, no water, (Ephemeral)

COMMENTS:

SINUOSITY (Number of bends per 200 ft (61 m) of channel) (Check ONLY one box):

☐ None	☒ 1.0	☐ 2.0	☐ 3.0
☐ 0.5	☐ 1.5	☐ 2.5	☐ > 3

STREAM GRADIENT ESTIMATE

☐ Flat (0.5 ft/100 ft)	☐ Flat to Moderate	☐ Moderate (2 ft/100 ft)	☐ Moderate to Severe	☐ Severe (10 ft/100 ft)
---	---	---	---	--

Location / Stream Name: Stream 2 / PIR 2303 - Millerton Street SE, Canton Township, Stark County, Ohio

Additional Stream Information (This Information Must Also Be Completed):

QHEI PERFORMED? ☒ Yes ☐ No QHEI Score _____ (If Yes, Attach Completed QHEI Form)
DOWNSTREAM DESIGNATED USE(S): _____
☒ WWH Name: Nimishillen Creek Distance from Evaluated Stream 2.75 miles
☒ CWH Name: _____ Distance from Evaluated Stream _____
☒ EWH Name: _____ Distance from Evaluated Stream _____

MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.

USGS Quad Name: Canton East NRCS Soil Map Page: _____ NRCS Soil Map Stream Order: 1
County: Stark Township/City: Canton Township

MISCELLANEOUS

Base Flow Conditions? (Y/N) Y Date of Last Precipitation: 28-Mar-16 Quantity: 0.02 inch

Photograph Information: See Attached

Elevated Turbidity? (Y/N): N Canopy (% open): 50%

Were samples collected for water chemistry?(Y/N) N (Note lab sample no. or id. and attach results) Lab No.: _____

Field Measures: Temp (C) _____ Dissolved Oxygen (mg/l) _____ pH(S.U.) _____ Conductivity(µs) _____

Is the sampling reach representative of the stream (Y/N)? _____ If not, please explain: _____

Additional comments/description pollution impacts: Large amount of garbage/debris in stream bed.

BIOTIC EVALUATION

Performed? (Y/N) N (If yes, Record all observations. Voucher collections optional. NOTE: all voucher samples must be labeled with the site ID Number. Include appropriate field data sheets from the Primary Headwater Habitat Assessment Manual)

Fish Observed? (Y/N) _____ Voucher? (Y/N) _____ Salamanders Observed? (Y/N) _____ Voucher? (Y/N) _____
Frogs/Tadpoles Observed? _____ Voucher? (Y/N) _____ Aquatic Macroinvertebrates Observed? (Y/N) _____ Voucher?(Y/N) _____

Comments Regarding Biology: _____

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed):

Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location.

FLOW ➡

Location/Stream Name: Stream 2 / PIR 2303 - Millerton Street SE, Canton Township, Stark County, Ohio **Date:** 3/30/2016

PHWH STREAM BIOLOGICAL CHARACTERISTICS FIELD SHEET:

1. Fish: Voucher Specimens Retained? (Y/N) N/A Time Spent (Minutes): _____

Attachment F

Tree Habitat Characteristics

Tree ID	Tree Species	DBH (inches)	Tree Condition	Available Sun to Habitat Features*	Roost Tree Characteristics	Location	Maternity or Habitat
1	<i>Populus deltoides</i>	11	Dead	Poor sun	Small amount of exfoliating bark	Wood lot	Habitat
2	<i>Prunus serotina</i>	22	Poor	Fair sun	Small amount of dead wood, exfoliating bark, and cavities	Wood lot	Habitat

*Full Sun = 80-100% solar exposure
 Good Sun = 60-80% solar exposure
 Fair Sun = 30-60% solar exposure
 Poor Sun = 0-30% solar exposure

CASE No. 16-2405-GA-BNR
PIR 2303 MILLERTON STREET, STARK COUNTY, OHIO
12-INCH PIPELINE REPLACEMENT PROJECT

ATTACHMENT F

STARK COUTNY SOIL AND WATER CONSERVATION DISTRICT
STORM WATER POLLUTION PREVENTION PLAN (“SWPPP”) AND SWPPP
CHECKLIST



June 2, 2016

BY FEDEX

Amanda Crawford
Stark Soil and Water Conservation District
2650 Richville Drive SE, Suite 103
Massillon, OH, 44646

RE: The East Ohio Gas Company – Pipeline Infrastructure Replacement Program
Construction Storm Water Application
PIR 2303 – Millerton Street SE

Dear Ms. Crawford:

Please review the following information regarding the East Ohio Gas Company (EOG) Pipeline Infrastructure Replacement (PIR) project, PIR 2303 – Millerton Street SE. EOG is proposing to replace natural gas pipeline under the PIR Program. The purpose of the program is to replace existing pipe with corrosive-resistant pipe to ensure the safety and reliability of pipeline operations.

The PIR 2303 project is located in Canton Township, within existing EOG easements in the road right-of-way of Millerton Street SE, Moore Avenue SE, and in an easement extending north then northeast from Millerton Street SE to Waynesburg Drive SE.

The following documents are included for your review:

- Ohio EPA NOI Application (Attachment 1) – one (1) copy
- Storm Water Pollution Prevention Plan (SWPPP) (Attachment 2) – two (2) copies
- Stark Soil and Water Conservation District (SWCD) SWPPP Checklist (Attachment 3) – one (1) copy
- A check for \$350.00 (review and inspection fee) made payable to the Stark SWCD

A copy of the issued NOI will be forwarded to your office upon receipt. The anticipated start date for this project is February, 2017.

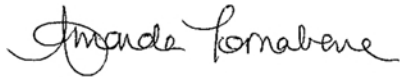
EOG will hold a pre-construction meeting with the Stark SWCD prior to earthwork activities. This meeting will be scheduled by EOG with SWCD personnel. EOG personnel, the EOG construction contractor, and the EOG environmental inspector will be in attendance.

Your timely review and approval of this SWPPP is appreciated. Please direct your response to:

Tara Buzzelli
Environmental Specialist
320 Springside Drive, Suite 320
Akron, Ohio 44333

If you have any questions, please contact Tara Buzzelli at (330) 664-2579 or by e-mail at Tara.E.Buzzelli@dom.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Amanda Tornabene". The signature is fluid and cursive, with the first name "Amanda" and last name "Tornabene" clearly distinguishable.

Amanda B. Tornabene
Director, Energy Infrastructure Environmental Services

Enclosures

cc: Tara Buzzelli

Bcc: Pam Faggert
Mark Messersmith
Eric Hall
Paul Johanning
Julie Pischulla
Stephan Ryder
David Hollendonner
Valerie Locker, Davey Resource Group

Attachment 1

Ohio EPA NOI Application



June 2, 2016

BY US-MAIL, RETURN RECEIPT REQUESTED
7010 1060 0002 1320 4061

Ohio Environmental Protection Agency
Office of Fiscal Administration
PO Box 1049
50 West Town Street, Suite 700
Columbus, Ohio 43216-1049

RE: The East Ohio Gas Company – Pipeline Infrastructure Replacement Program
Construction Storm Water Notice of Intent
PIR 2303 – Millerton Street SE

Dear Sir or Madam:

Please find enclosed a complete Notice of Intent for Coverage under the Ohio Environmental Protection Agency General Permit OHC000004 – Construction Storm Water. The following documents are included for your review:

- Notice of Intent form, Ohio EPA 4494
- USGS topographic map (Canton East quadrangle)
- A check in the amount of \$200.00 made payable to "Treasurer, State of Ohio"

If you have any questions or need additional information, please contact Tara Buzzelli at (330) 664-2579

Sincerely,

A handwritten signature in black ink that reads "Amanda Tornabene".

Amanda B. Tornabene
Director, Energy Infrastructure Environmental Services

Enclosures

cc: Tara Buzzelli



Division of Surface Water - Notice of Intent (NOI) For Coverage Under Ohio
Environmental Protection Agency General NPDES Permit

(Read accompanying instructions carefully before completing this form.)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's NPDES general permit program. Becoming a permittee obligates a discharger to comply with the terms and conditions of the permit. Complete all required information as indicated by the instructions. Do not use correction fluid on this form. Forms transmitted by fax will not be accepted. A check for the proper amount must accompany this form and be made payable to "Treasurer, State of Ohio." (See the fee table in Attachment C of the NOI instructions for the appropriate processing fee.)

I. Applicant Information/Mailing Address

Company (Applicant) Name: The East Ohio Gas Company

Mailing (Applicant) Address: 320 Springside Drive, Suite 320

City: Akron

State: Ohio

Zip Code: 44333

Contact Person: Tara Buzzelli

Phone: (330) 664-2579

Fax: (330) 664-2669

Contact E-mail Address: Tara.E.Buzzelli@dom.com

II. Facility/Site Location Information

Facility Name: PIR 2303 - Millerton Street SE

Facility Address/Location: Millerton Street SE, Moore Avenue SE, and EOG easements

City: Click here to enter text.

State: Ohio

Zip Code: 44707

County(ies): Stark

Township(s): Canton

Facility Contact Person: Dave Hollendonner

Phone: (330) 664-2677

Fax: (877) 201-8687

Facility Contact E-mail Address: david.hollendonner@dom.com

(For Construction & Coal, must complete
lat/long & attach map) Latitude: 40.77153

Longitude: -81.34906

Receiving Stream or MS4: Sherrick Run (HUC 05040001)

III. General Permit Information

General Permit Number: OHC000004 Construction Storm Water

Initial Coverage: ☒ Renewal Coverage: ☐

Type of Activity: All Construction Storm Water - 1 to 5.99 acres
disturbed Fee = \$200

SIC Code(s): Click here to enter text.

Existing NPDES Permit Number:

ODNR Coal Mining Application Number:

If Household Sewage Treatment System, is system for: ☐ new home construction or ☐ replacement of failed

Outfall:	Design Flow (MGD):	Associated Permit Effluent Table:	Latitude:	Longitude:
#.	Flow.	Choose an item.	Click here.	Click here.

Are These Permits Required? PTI No

Individual 401 Water Quality Certification No

Isolated Wetland No

USACE Nationwide
Permit Yes - Approved

Individual NPDES No

Proposed Project Start Date: 2/01/2017

Estimated Completion Date: 9/15/2017

Total Land Disturbance (Acres): 4.2

MS4 Drainage Area (Sq. Miles):

IV. Payment Information

Check #: 363

Check Amount: \$200.00

Date of Check: 5/26/16

For Ohio EPA Use Only

Check ID (OFA): _____ ORG #: _____

Rev ID: _____ DOC #: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

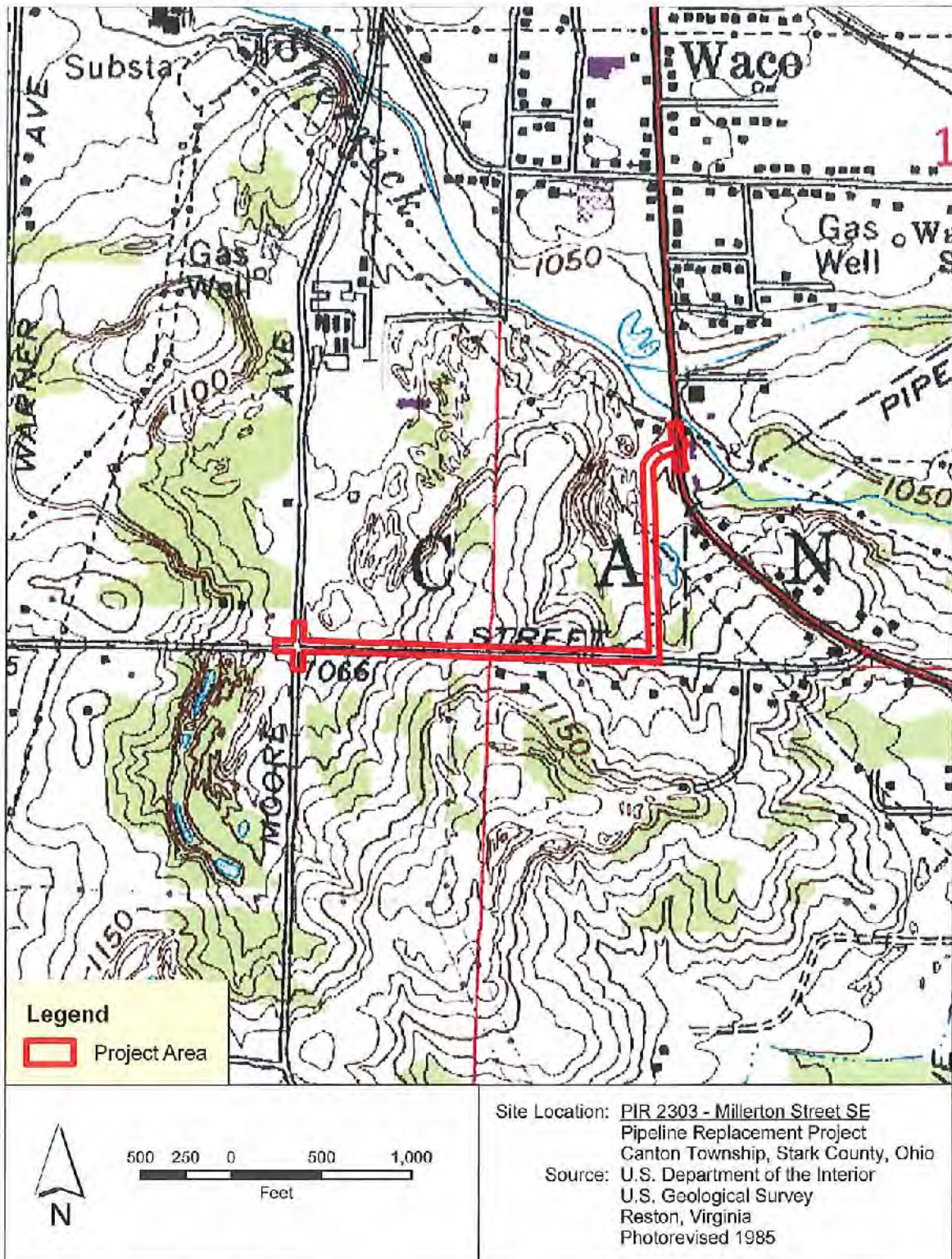
Applicant Name: Paul Johanning

Title: Director, Gas Operations

Applicant Signature: Paul Johanning

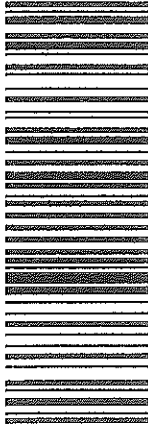
Date: 05-26-16

**Location of Project Area on
USGS 7.5-Minute Topographic Map
(Canton East Quadrangle)**



PLACE STICKER ON TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD ON DOTTED LINE

CERTIFIED MAIL



7010 1060 0002 1320 4061
7010 1060 0002 1320 4061

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent to Ohio EPA
 Street, Apt. No., or PO Box No. PIR 2303 NO1
 City, State, ZIP+4 please return to J. Borzelli #1.

PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. - Print your name and address on the reverse so that we can return the card to you. - Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature ☐ Agent ☒ Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? ☐ Yes ☒ No If YES, enter delivery address below:
1. Article Addressed to: Ohio EPA Office of Fiscal Administration PO Box 1049 Columbus, OH 43216	3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service label) 7010 1060 0002 1320 4061	

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

P MARK MESSERSMITH
1001 DOMINION FLEX
 DOMINION-AKRON - 320 SPRINGSIDE
 320 SPRINGSIDE DR
 AKRON OH 44333

Commercial Convenience Check **363**

Date May 26, 2016 68-1/510

Pay to the order of Treasurer State of Ohio \$ 200.00
Two hundred dollars and 00/100 cents Dollars

Bank of America Bank of America, N.A. Richmond, VA
PIR 2303 OH EPA NO1
 For Ally #6325 6739

Void after 60 days For Deposit Only

[Signature]

⑆051000017⑆0055101755327⑆0363

Attachment 2

Storm Water Pollution Prevention Plan



**OHIO GENERAL PERMIT AUTHORIZATION FOR STORMWATER
DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)**

The East Ohio Gas Company

Stormwater Pollution Prevention Plan (SWP3)

**PIR 2303 – Millerton Street SE
Canton Township, Stark County, Ohio**

Planned Construction Start Date: _____

Planned Construction Completion Date: _____

Construction Supervisor: _____

Telephone: _____

Project Manager (signature): _____

Construction Contractor (signature): _____

Environmental Inspector (signature): _____

Note:

**THIS PLAN MUST BE KEPT AT THE
CONSTRUCTION SITE DURING WORKING HOURS**

SWP3 Prepared: May 27, 2016

**Prepared by: The East Ohio Gas Company and Davey Resource Group, a Division of
The Davey Tree Expert Company**

**OHIO GENERAL PERMIT AUTHORIZATION FOR STORMWATER
DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER
THE NPDES STORMWATER POLLUTION PREVENTION PLAN**

**THE EAST OHIO GAS COMPANY
PIR 2303 – Millerton Street SE
Canton Township, Stark County,, Ohio**

TABLE OF CONTENTS

SECTION	Page
EXECUTIVE SUMMARY	iv
1.0 PERMIT REQUIREMENTS	1
2.0 STORMWATER POLLUTION PREVENTION PLAN.....	1
2.1 SITE DESCRIPTION	2
2.2 PRE-CONSTRUCTION AND POST-CONSTRUCTION SITE CONDITIONS	3
2.3 EXISTING SOIL DATA	3
2.4 PRIOR LAND USES	3
2.5 IMPLEMENTATION SCHEDULE	3
2.6 RECEIVING STREAMS OR SURFACE WATERS	5
2.7 SITE MAP	5
3.0 CONTROLS	5
3.1 NON-STRUCTURAL PRESERVATION METHODS.....	6
3.2 UPLAND EROSION CONTROL PRACTICES	6
3.3 RUNOFF CONTROL PRACTICES.....	8
3.4 SURFACE WATER PROTECTION	9
3.5 WETLAND PRACTICES	10
3.6 SEDIMENT CONTROL PRACTICES	10
3.7 POST-CONSTRUCTION STORMWATER MANAGEMENT (PCSM)	12
3.8 OTHER CONTROLS	12
3.9 MAINTENANCE	16
3.10 INSPECTIONS	16
4.0 APPROVED STATE OR LOCAL PLANS	17
5.0 EXCEPTIONS	18
6.0 NOTICE OF TERMINATION REQUIREMENTS	18
7.0 CERTIFICATION	19

LIST OF TABLES

Table		Page
1	Permanent Stabilization	7
2	Temporary Stabilization	7
3	Summary of Onsite Wetlands	10

LIST OF APPENDICES

A	Site Location Maps
B	Existing Soil Data
C	Detailed Erosion and Sediment Control Location Drawings
D	Typical Erosion and Sediment Control Drawings
E	Concrete Washout Detail
F	SWP3 Inspection Forms
G	Typical Wetland Crossing Drawings
H	NOI Application

LIST OF DEFINITIONS

BMP	Best Management Practice
C&DD	Construction and Demolition Debris
CWA	Clean Water Act
DES ECI	Dominion Environmental Services Erosion Control Inspector
Director	the Director of the Ohio Environmental Protection Agency
E&S	Erosion and Sediment
EDv	Extended Detention Volume
EPA	Environmental Protection Agency
General Permit	General Permit for Stormwater Discharges Associated with Construction Activities Under the National Pollutant Discharge Elimination System Permit No. OHC000004, effective April 21,2013, expires April 21, 2018.
HUC14	Fourteen-Digit Hydrologic Unit Code
MS4	Municipal Separate Storm Sewer System
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
OAC	Ohio Administrative Code
ORAM	Ohio Rapid Assessment Method
ORC	Ohio Revised Code
PCSM	Post-Construction Stormwater Management
PTI	Permit to Install
SPCC	Spill Prevention Control and Countermeasures
SWP3	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
VAP	Voluntary Action Program
WQv	Water Quality Volume

EXECUTIVE SUMMARY

This Stormwater Pollution Prevention Plan (SWP3) sets forth procedures to be followed during construction activities to minimize adverse impacts due to sedimentation and potential environmental pollutants resulting from storm water runoff and to reduce sediment and environmental pollutant runoff after Project completion. This SWP3 sets forth procedures to be followed during construction activities for The East Ohio Gas Company (Dominion) Pipeline Infrastructure Replacement (PIR) 2303 – Millerton Street SE (Project), located in Canton Township, Stark County, Ohio. The procedures developed in this plan must be implemented throughout the duration of the Project.

Dominion will be responsible for the development and enforcement of this plan. Dominion personnel may designate qualified representatives such as environmental inspectors or contractors to ensure the provisions of this permit are properly employed.

This document was prepared in accordance with the following documents: Ohio Department of Natural Resources, Division of Soil and Water Conservation. "Rainwater and Land Development" Manual Third Edition 2006. Updated 11-6-14, Ohio Environmental Protection Agency (EPA), Authorization for Stormwater Discharges Associated with Construction Activity Under the National Pollutant Discharge Elimination System Permit OHC000004, and Ohio EPA Stormwater Program Website. <http://www.epa.state.oh.us/dsw/storm/index.aspx>.

This plan covers all new and existing discharges composed entirely of stormwater discharges associated with a construction activity that enter surface waters or storm drains leading to surface waters. Construction activities include any clearing, grading, excavating, grubbing and/or filling activities that disturb one or more acres of land.

1.0 PERMIT REQUIREMENTS

The purpose of this SWP3 is to present procedures that will be followed during construction activities to minimize adverse impacts due to sedimentation resulting from storm water runoff and to reduce sediment runoff after Project completion. Operators who intend to obtain initial coverage for a stormwater discharge associated with construction activity under this General Permit Authorization for Storm Water Discharges Associated with Construction Activity Under the National Pollutant Discharge Elimination System (NPDES), Ohio EPA Permit Number OHC000004 (effective April 21, 2013 and expires April 20, 2018 (General Permit)) must submit a complete and accurate Notice of Intent (NOI) application form and appropriate fee at least 21 days prior to the commencement of construction activity. The completed NOI application is provided in Appendix H.

Dominion must make NOIs and SWP3s available upon request of the Director of Ohio EPA, local agencies approving sediment and erosion control plans, grading plans or stormwater management plans, local governmental officials, or operators of municipal separate storm sewer systems (MS4s) receiving drainage from the permitted site. Each operator that discharges to an NPDES permitted MS4 must provide a copy of its Ohio EPA NOI submission to the MS4 in accordance with the MS4's requirements, if applicable.

2.0 STORMWATER POLLUTION PREVENTION PLAN

This SWP3 was prepared in accordance with sound engineering and/or conservation practices by a professional experienced in the design and implementation of standard erosion and sediment controls and stormwater management practices addressing all phases of construction. This SWP3 was prepared by Valerie Locker, Project Manager, Davey Resource Group, a Division of The Davey Tree Expert Company.

This SWP3 has identified potential sources of pollution which may reasonably be expected to affect the quality of stormwater discharges associated with construction activities. This SWP3 describes and ensures the implementation of Best Management Practices (BMPs) that reduce the pollutants in stormwater discharges during construction and pollutants associated with post-construction activities to ensure compliance with Ohio Revised Code (ORC) Section 6111.04, Ohio Administrative Code (OAC) Chapter 3745-1 and the terms and conditions of the General Permit. In addition, the SWP3 must conform to the specifications of the Ohio Rainwater and Land Development Manual.

Plan Availability

Dominion must provide a copy of this SWP3 within ten (10) days upon written request by any of the following: The Director or the Director's authorized representative; a local agency approving sediment and erosion plans, grading plans or stormwater management plans; or; in the case of a stormwater discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the operator of the system. A copy of the NOI and letter granting permit coverage under this General Permit must also be made available at the site.

All NOIs, General Permit approval for coverage letters, and SWP3s are considered reports that must be available to the public in accordance with the Ohio Public Records law. Dominion must make documents available to the public upon request or provide a copy at public expense, at cost, in a timely manner. However, Dominion may claim to Ohio EPA any portion of a SWP3 as confidential in accordance with Ohio law.

Plan Revisions and Amendments

The Director or authorized representative, and/or any regulatory authority associated with approval of this plan, may notify Dominion at any time that the SWP3 does not meet one or more of the minimum requirements. Within ten (10) days after such notification from the Director (or as otherwise provided in the notification) or authorized representative, and/or any regulatory authority associated with approval of this plan, Dominion must make the required changes to the SWP3 and, if requested, must submit to Ohio EPA, and/or other regulatory authority, the revised SWP3 or a written certification that the requested changes have been made. Dominion must also amend the SWP3 whenever there is a change in site design, construction, operation, or maintenance that requires the installation of BMPs or modifications to existing BMPs.

Duty to Inform Contractors and Subcontractors.

Dominion must inform all contractors and subcontractors who will be involved in the implementation of the SWP3, of the terms and conditions of the General Permit and/or other approval from a regulatory authority. Dominion must maintain a written document containing the signatures of all contractors and subcontractors involved in the implementation of the SWP3 as proof acknowledging that they reviewed and understand the conditions and responsibilities of the SWP3. The written document must be created and signatures of each individual contractor must be obtained prior to their commencement of work on the construction site. Certification statements for contractors and subcontractors can be found in Section 7.0.

2.1 SITE DESCRIPTION

Dominion is proposing the replacement of approximately 3,038 feet of high pressure, bare steel pipeline (two [2]- to twelve [12]-inch diameters) to ensure the safety and reliability of pipeline operations for the PIR 2303 pipeline located in Stark County. This pipeline replacement project involves “lift and lay” construction (replacement in place) or offsetting the pipeline within the road right-of-way (ROW) and within an easement extending north then northeast from Millerton Street SE to Waynesburg Drive SE. One (1) wetland was identified within the project area and two (2) streams are located off-site, adjacent to the project area (further clarified in Section 3.4 Surface Waters). The site maps included in Appendix A depict the location of the Project in relation to nearby roads, surface waters, existing utilities, etc.

The Project is expected to disturb approximately 4.2 acres due to clearing, grubbing, excavation, filling, grading, and installation of erosion control measures.

The Project is located within the 60-foot-wide easement extending north then northeast from Millerton Street SE to Waynesburg Drive SE; within the road ROW of Millerton Street SE, Moore Avenue SE, Waynesburg Drive SE; and within 30-foot-wide easements parallel to Millerton Street SE on the south and north of the road ROW. The Project is accessible by public streets and Adelman's Truck Parts and Sales parking lots.

2.2 PRE-CONSTRUCTION AND POST-CONSTRUCTION SITE CONDITIONS

New impervious surfaces will not be created. The Project will essentially result in no permanent change in land use or land cover and, therefore, is not expected to result in an increase in runoff. All areas disturbed by the Project will be restored to their pre-construction material, condition, and contours; therefore, the calculation of runoff coefficients for pre-construction vs. post-construction conditions is not warranted or applicable to this linear Project.

2.3 EXISTING SOIL DATA

The United States Department of Agriculture, Natural Resources Conservation Service (NRCS) Soil Survey was utilized to identify soil map units within the Project site. The primary soils types and soil descriptions located within the Project and the Project Soil Survey map are provided in Appendix B.

2.4 PRIOR LAND USES

The Project site contains commercial and residential land uses.

2.5 IMPLEMENTATION SCHEDULE

A general implementation schedule providing the sequence of major construction operations is provided below. Construction activities are planned to begin in February, 2017, as soon as all permits and clearances are in place, and will last until September, 2017, weather permitting. Surface stabilization at the Project site is expected to take place incrementally, as construction progresses. Once all land disturbing activities have been completed, the site must be permanently stabilized. Throughout the life of the Project, construction logs must be kept to record major dates of grading, excavating, and stabilizing.

1 - SITE PREPARATION FOR ENTIRE PROJECT (Anticipated start date and Duration –To Be Determined (TBD) by contractor)

- Mobilization.
- Survey and stake existing pipeline and limits of construction.
- Flag/field mark wetland and stream areas, as necessary.

- Installation/improvement to construction entrances, and installation of silt fence or other BMPs designated to control storm water at the project boundary.
- Install gravel on dirt roads, and fill-in rutted areas on existing gravel roads.

2 - SITE PREPARATION FOR EACH JOB (Anticipated start date and Duration – TBD by contractor)

- Install BMPs (see Section 3.0) for access roads/equipment crossings at stream crossings and wetland crossings.
- Begin clearing and grubbing of the site.
- Install temporary runoff controls and erosion control devices where needed.
- Conduct grading activities, as needed.
- Monitor all erosion and sediment controls.

3 - MAJOR CONSTRUCTION ACTIVITIES (Anticipated start date and Duration- TBD by contractor)

- Excavation.
- Implement BMPs (See Section 3.0) for dewatering (if required).
- Monitor all erosion and sediment controls.

4 - RESTORATION (Anticipated start date and Duration – TBD by contractor)

- Restore grade to preconstruction contours.
- Apply seed and mulch to all disturbed upland areas.
- Install erosion control blankets or turf matting on steep slopes.
- Monitor all erosion and sediment controls per the monitoring schedule.

5 - POST-CONSTRUCTION MONITORING (On-going until 70 percent cover reached)

- Monitor adequacy of erosion control practices.
- After permanent stabilization is achieved, remove temporary erosion and sediment controls and runoff controls once 70 percent uniform vegetative growth is achieved.
- Submit Notice of Termination.

2.6 RECEIVING STREAMS OR SURFACE WATERS

The Project is located within the Tuscarawas River watershed, Hydrologic Unit Code (HUC) 05040001. The site drains to storm sewers and north to Sherrick Run (indicated on the project maps in Appendix C). Sherrick Run drains southwest to Nimishillen Creek, which continues to drain south to Sandy Creek. Sandy Creek drains west, eventually debouching to the Tuscarawas River. The Project area falls within a portion of the Tuscarawas River watershed (HUC 05040001 050) that is listed as being impaired. Causes of impairment include ammonia, organic enrichment/oxygen depletion, flow and habitat alterations, nitrates, nutrients, organic enrichment (sewage), polychlorinated biphenyls in fish tissue, pathogens, sedimentation/siltation, sulfates, temperature, and pH.

The construction work for this project will not be crossing any streams but it is expected to cross one (1) wetland. The wetland crossed by the Project has been included on the maps in Appendix C. Dedicated asphalt and/or concrete batch plant discharges covered by the NPDES construction stormwater General Permit are not applicable to this Project.

2.7 SITE MAP

The Project site location maps are provided in Appendix A. The project specific erosion and sediment control location drawings (in Appendix C) depict the limits of earth-disturbing activity; existing and proposed contours; surface water locations; existing buildings, roads, and utilities; and the locations of erosion and sediment control measures. Typical erosion and sediment control drawings are included in Appendices D and F.

3.0 CONTROLS

To the extent practicable, the locations of temporary stormwater BMPs to be implemented for the Project site are shown on the maps provided in Appendix C. Some BMP locations (construction entrances, ingress/egress points, etc.) will be determined in the field upon discussion with the selected construction contractor and will be noted on the project drawings at that time. The BMPs will be implemented in accordance with the Typical Drawings provided in Appendix D. The erosion, sediment, and stormwater management practices to be implemented are in accordance with the standards and specification in the current edition of Ohio's Standards for Stormwater Management, Land Development and Urban Stream Protection, Rainwater and Land Development Manual, Third Edition 2006 updated November 2014.

3.1 NON-STRUCTURAL PRESERVATION METHODS

In order to preserve the existing natural condition as much as feasible, the Project will avoid clearing and grubbing where feasible, minimize the amount of soil and vegetation disturbances by phasing construction operations, and minimize disturbances to surface waters. The recommended buffer along any surface water of the state to be undisturbed is 25 feet measured from the ordinary high water mark of the surface water.

3.2 UPLAND EROSION CONTROL PRACTICES

Erosion control measures provide cover over disturbed soils in order to minimize erosion. Disturbed areas must be stabilized after construction activities. Erosion control measures to be implemented in the Project include: phased disturbance, clearing and grubbing, tree and natural area preservation, construction entrances, dust control, topsoiling, temporary seeding, mulching, permanent seeding, and sodding. Erosion Control Measures will be in accordance with Chapter 7 of the Rainwater and Land Development Manual. Typical drawings for these erosion control measures are provided in Appendix D.

Permanent stabilization is defined as the establishment of permanent vegetation, decorative landscape mulching, matting, sod, rip rap, and landscaping techniques to provide permanent erosion control on areas where construction operations are complete or where no further disturbance is expected for at least one (1) year.

Temporary stabilization is defined as the establishment of temporary vegetation, mulching, geotextiles, sod, preservation of existing vegetation, and other techniques capable of quickly establishing cover over disturbed areas to provide erosion control between construction operations.

Final stabilization is defined and achieved when all soil disturbing activities at the site are complete and disturbed surfaces are covered with new structures, pavement, a uniform perennial vegetative cover (e.g., evenly distributed, without large bare areas) with a density of at least 70 percent cover, or other equivalent stabilization measures (such as the use of landscape mulches, rip-rap, gabions or geotextiles) have been employed. In addition, all temporary erosion and sediment control practices are removed and disposed of, and all trapped sediment is permanently stabilized to prevent further erosion.

Disturbed areas will be stabilized following completion of construction activities as specified in the following tables and in accordance with the site layout maps and drawings provided in Appendix C.

Table 1: Permanent Stabilization

Area Requiring Permanent Stabilization	Time Frame to Apply Erosion Controls
Any areas that will lie dormant for one (1) year or more.	Within seven (7) days of the most recent disturbance.
Any areas within 50 feet of a surface water of the State and at final grade.	Within two (2) days of reaching final grade.
Any other areas at final grade.	Within seven (7) days of reaching final grade within that area.

Table 2: Temporary Stabilization

Area Requiring Temporary Stabilization	Time Frame to Apply Erosion Controls
Any disturbed areas within 50 feet of a surface water of the State and not at final grade.	Within two (2) days of the most recent disturbance if the area will remain idle for more than fourteen (14) days.
For all construction activities, any disturbed areas that will be dormant for more than fourteen (14) days but less than one (1) year, and not within 50 feet of a surface water of the State.	Within seven (7) days of the most recent disturbance within the area. For residential subdivisions, disturbed areas must be stabilized at least seven (7) days prior to transfer of permit coverage for the individual lot(s).
Disturbed areas that will be idle over winter.	Prior to the onset of winter weather.

Clearing and Grubbing: Clearing and grubbing is the removal of trees, brush, and other unwanted material in order to develop land for other uses or provide access for site work. Clearing generally describes the cutting and removal of above ground material, while grubbing is the removal of roots, stumps, and other unwanted material below existing grade. Clearing and grubbing includes the proper disposal of materials and the implementation of BMPs in order to minimize exposure of soil to erosion and causing downstream sedimentation.

Dust Control: Dust control is a method of erosion control that involves preventing or reducing dust from exposed soils or other sources during land disturbing, demolition, and construction activities to reduce the presence of airborne substances which may present health hazards, traffic safety problems, or harm animal or plant life.

Mulching: Mulching is a temporary or permanent method of erosion control used to protect exposed soil or freshly seeded areas from the direct impact of precipitation by providing a temporary surface cover. Mulch also helps establish vegetation by conserving moisture and creating favorable conditions for seeds to germinate. Mulch must be used liberally throughout construction to limit the areas that are bare and susceptible to erosion. Mulch can be used in conjunction with seeding to establish vegetation or by itself to provide erosion control when the season does not allow grass to grow. Mulch and other vegetative practices must be applied on all disturbed portions of construction-sites that will not be re-disturbed for more than fourteen (14) days.

Permanent Seeding: Permanent seeding is a method of erosion control used to permanently stabilize soil on construction sites where land-disturbing activities, exposed soil, and work has been completed or is not scheduled for more than twelve (12) months. Permanent seeding must be applied to any disturbed areas or portions of construction sites at final grade. Permanent seeding must not be delayed on any one portion of the site at final grade while construction on another portion of the site is being completed. Permanent seeding must be completed in phases, if necessary. Permanent vegetation is used to stabilize soil, reduce erosion, prevent sediment pollution, reduce runoff by promoting infiltration, and provide stormwater quality benefits offered by dense grass cover.

Phased Disturbance: Phased disturbance is a method of erosion control that limits the total amount of grading at any one time and sequences operations so that at least half the site is either left as undisturbed vegetation or re-stabilized prior to additional grading operations. This approach actively monitors and manages exposed areas so that erosion is minimized and sediment controls can be more effective in protecting aquatic resources and downstream landowners.

Sodding: Sodding is a method of erosion control that utilizes rolls or mats of turf grass to provide immediate stabilization to bare soils. It is especially useful in highly erosive areas such as drainage ways and on slopes that will be mowed. Sod may be used where immediate cover is required or preferred and where vegetation will be adequate stabilization such as minor swales, around drop inlets, and lawns.

Temporary Seeding: Temporary seeding is a method of erosion control used to temporarily and quickly stabilize soil on construction sites where land-disturbing activities have been initiated but not completed. Appropriate rapidly growing annual grasses or small grains must be planted on the disturbed areas. Temporary seeding effectively minimizes the area of a construction site prone to erosion and must be used everywhere the sequence of construction operations allows vegetation to be established. Temporary seeding must be applied on exposed soil where additional work (grading, etc.) is not scheduled for more than fourteen (14) days. Mixes to be applied are specific to the time of year the seeding will take place and the location of the Project within the state.

Tree and Natural Area Preservation: Tree and natural area preservation ensures that important vegetated areas existing on-site prior to development will survive the construction process. Tree protection areas prevent the losses and damages to trees that are common as a result of construction. This practice is useful to protect individual trees and areas of forest or natural vegetation in stream corridors or open space.

3.3 RUNOFF CONTROL PRACTICES

Temporary and permanent runoff control is important on development sites to minimize on-site erosion and to prevent off-site sediment discharge. Methods of runoff control that will be implemented on this Project include dewatering measures, filter socks, and water bars. Runoff control measures will be in accordance with Chapter 4 and 5 of the Rainwater and Land Development Manual.

Dewatering Measures. Dewatering measures provide a stable area for receiving and treating water pumped from excavation or work areas prior to being released off the site. These practices reduce sediment impacts to downstream water resources.

Filter Sock. Filter socks are sediment-trapping devices using compost inserted into a flexible, permeable tube. Filter socks are applicable as perimeter sediment controls, and can also be used as a check dam to reduce soil erosion in swales, ditches, channels, and gullies. Check dams reduce the velocity of concentrated flows thereby reducing erosion within the swale or waterway.

Waterbar. A waterbar is a diversion constructed across the slope of an access road or utility right of-way. Waterbars are used to reduce concentrated runoff on unpaved road surfaces, thus reducing water accumulation and erosion gullies from occurring. Waterbars divert runoff to road side swales, vegetated areas, or settling ponds.

3.4 SURFACE WATER PROTECTION

The Project site contains one (1) wetland. Additionally, two (2) streams are located off-site adjacent to the project area. These waters must be protected by avoiding crossing of wetlands and streams where feasible and using sediment and erosion control practices to prevent sediment-laden runoff from reaching the surface waters.

Surface Waters of the State Protection. If construction activities disturb areas adjacent to surface waters of the State, structural practices must be designed and implemented onsite to protect all adjacent surface waters of the State from the impacts of sediment runoff. No structural sediment controls (e.g., the installation of silt fence or a sediment settling pond) must be used in a surface water of the State. For all construction activities immediately adjacent to surface waters of the State, it is recommended that a setback of at least 25 feet, as measured from the ordinary high water mark of the surface water, be maintained in its natural state as a permanent buffer.

Where impacts within this setback area are unavoidable due to the nature of the construction activity (e.g., stream crossings for roads or utilities), the Project must be designed such that the number of stream crossings and the width of the disturbance within the setback area are minimized.

In order to minimize the amount of disturbance and sedimentation caused by work at the wetland crossing, every effort will be made to minimize impacts. Movement across waters will be limited to necessary equipment only. BMPs for vehicle crossing of wetlands will be utilized when practical. Dominion will employ a typical temporary equipment crossing at each crossing location. These crossing methods are found on the typical drawings in Appendix G. All wetland crossings will be restored to pre-construction grades, contours, and, when feasible, vegetation type. Dominion will obtain all necessary wetland crossing permits from federal and state regulatory agencies. Summaries of the onsite surface waters and any impacts are provided in Table 3.

Surface Water Utility Crossing. Surface water utility crossings include pipeline, power line, or road construction projects that cross streams, rivers, or wetlands. Measures used to minimize damage from the construction of utilities across streams and wetlands start in the planning stages of a project and continue through site restoration.

Temporary Surface Water Crossing. A temporary surface water crossing provides construction traffic temporary access across a surface water while reducing the amount of disturbance and sediment pollution. It is a temporary practice which includes restoring the crossing area after construction. The typical kinds of surface water crossings are: bridges, timber mats, culverts, and fords. Each has specific applications and each is designed to minimize surface water damage by leaving wetlands and stream banks stable and vegetated.

Table 3: Summary of Onsite Wetlands

Wetland ID	Vegetation Cover Type within ROW and 30-Foot Easement	Area within Row (acres)	ORAM ¹ Category	Crossing Method ²	Impact Area ³ (acres)
1	Emergent, scrub/shrub	0.037	1	Open cut	0.016

Notes:

- ¹ Ohio Rapid Assessment Method.
- ² Project Managers must approve changes to crossing methods.
- ³ Impact area based on 30-foot construction corridor within wetlands (but no greater than 25 feet on either side of the pipe).

3.5 WETLAND PRACTICES

Concentrated stormwater runoff from proposed BMPs to natural wetlands must be converted to diffuse flow before the runoff enters the wetlands. The flow must be released such that no erosion occurs downslope. Level spreaders may need to be placed in series, particularly on steep sloped sites, to ensure non-erosive velocities. Other structural BMPs may be used between stormwater features and natural wetlands, in order to protect the natural hydrology, hydroperiod, and wetland flora. If Dominion proposes to discharge to natural wetlands, a hydrologic analysis must be performed. Dominion must attempt to match the pre-development hydroperiods and hydrodynamics that support the wetland. Dominion must assess whether their construction activity will adversely impact the hydrologic flora and fauna of the wetland. Practices such as vegetative buffers, infiltration basins, conservation of forest cover, and the preservation of intermittent streams, depressions, and drainage corridors may be used to maintain wetland hydrology. .

3.6 SEDIMENT CONTROL PRACTICES

All Project activities, including use of laydown areas, will occur within the areas indicated on Site Maps and Drawings in Appendix C. Construction activities for this Project will be limited to the Limit of Disturbance of 4.2 acres. Sediment Control Practices must store runoff allowing sediments to settle and/or divert flows away from exposed soils or otherwise limit runoff from

exposed areas. Structural practices must be used to control erosion and trap sediment from a disturbed site.

Methods of control that may be used include: silt fence, storm drain inlet protection, filter berms, filter socks, and trench plugs. All sediment control practices must be capable of ponding runoff in order to be considered functional. Earth diversion dikes or channels alone are not considered a sediment control practice unless those are used in conjunction with a sediment settling pond. Sediment Controls must be designed, installed, and maintained in accordance with the requirements set forth in Chapter 6 of the Ohio Rainwater and Land Development Manual, and/or Ohio General Permit OHC000004. Dominion discourages the use of haybales unless utilized as a secondary treatment element in conjunction with another erosion and sediment control(s) and only if approved by Dominion.

Inlet Protection. Storm drain inlet protection devices remove sediment from stormwater before it enters storm sewers and downstream areas. Inlet protection devices may consist of washed gravel or crushed stone, geotextile fabrics, and other materials that are supported around or across storm drain inlets. Inlet protection is installed to capture some sediment and reduce the maintenance of storm sewers and other underground piping systems prior to the site being stabilized. Due to their poor effectiveness, inlet protection is considered a secondary sediment control to be used in conjunction with other more effective controls. Other erosion and sediment control practices must minimize sediment-laden water entering active storm drain systems, unless the storm drain system drains to a sediment settling pond. Generally inlet protection is limited to areas draining less than one (1) acre; areas of one (1) or more acres will require a sediment settling pond.

Filter Berm. Filter berms are sediment trapping practices that utilize a compost/mulch material. Filter berms are typically installed with pneumatic equipment. Filter berms reduce sediment from runoff by slowing and filtering runoff and dissipating flow. Compost filter berms used as sediment control practice require an adequately constructed berm constructed on the contour (i.e., on a level line across the site's topography). While silt fences rely primarily on settling, compost filter berms filter runoff as it passes through the device. To accomplish this purpose, runoff must be intercepted on the contour to insure that sheet flow is not concentrated into rills or channels.

Filter Sock. Filter socks are sediment-trapping devices using compost inserted into a flexible, permeable tube. Filter socks trap sediment by filtering water passing through the berm and allowing water to pond, creating a settling of solids. Filter socks may be a preferred alternative where equipment may drive near or over sediment barriers, as they are not as prone to complete failure as silt fence if this occurs during construction. Driving over filter socks is not recommended; however, if it should occur, the filter sock must be inspected immediately, repaired, and moved back into place as soon as possible. Typically, filter socks can handle the same water flow or slightly more than silt fence. For most applications, standard silt fence is replaced with twelve (12)-inch diameter filter socks.

Modifying Controls. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, Dominion must replace or modify the control for site conditions.

Silt Fence. Silt fence is a temporary method of sediment control that is used in sheet-flow areas to encourage the ponding of runoff and settling of sediments. It consists of a geotextile fabric secured to wood or steel posts that have been trenched into the ground. It is installed downslope of the disturbed area, installed along slopes, at bases of slopes on a level contour, and around the perimeter of a site as a final barrier to sediment being carried off site. Silt fence is removed after permanent vegetation is established.

Silt fence must be installed where indicated on the site drawings and as needed throughout the Project site where construction activity is likely to cause sediment-laden runoff to be carried offsite and into downstream surface waters. After construction is completed and the Project site has been permanently stabilized, silt fence must be removed and disposed of at an appropriate offsite disposal facility.

Placing silt fence in a parallel series does not extend the size of the drainage area. Stormwater diversion practices must be used to keep runoff away from disturbed areas and steep slopes where practicable. Such devices, which include swales, dikes or berms, may receive stormwater runoff from areas up to ten (10) acres.

See the silt fence detail located in Appendix D (Typical Upland Erosion and Sediment Control Plan Drawings) for additional information on proper installation procedures.

Timing. Sediment control structures must be functional throughout the course of earth disturbing activity. Sediment basins and perimeter sediment barriers must be implemented prior to grading and within seven (7) days from the start of grubbing. Sediment control structures must continue to function until the up-slope development area is restabilized. As construction progresses and the topography is altered, appropriate controls must be constructed or existing controls altered to address the changing drainage patterns.

Trench Plugs

Trench Plugs are required at each side of stream and wetland crossings completed by trenching, regardless of trench slope. Trench plugs are also necessary on steep slopes and will be installed if it is determined that flooding at the low point elevation of a pipeline will adversely affect the adjacent property.

3.7 POST-CONSTRUCTION STORMWATER MANAGEMENT (PCSM)

The proposed disturbance associated with the Project is temporary; therefore, no permanent stormwater structures will be required. The Project area will be restored to original contours and re-vegetated. No impervious areas will be created for this Project.

3.8 OTHER CONTROLS

In some instances, a non-sediment pollutant source may become present on the Project site and pollution controls may be required.

Non-Sediment Pollutant Controls

Handling of Toxic or Hazardous Materials. All construction personnel, including subcontractors who may use or handle hazardous or toxic materials, must be made aware of the general guidelines regarding management and disposal of toxic or hazardous construction wastes. This can be accomplished by training for construction personnel by the Contractor or by Dominion.

Waste Disposal. Containers (e.g., dumpsters, drums) must be available for the proper collection of all waste material including construction debris, sanitary garbage, petroleum products, and any hazardous waste materials to be used on-site. Containers must be covered and not leaking; all containers must be appropriately labeled. All waste material must be disposed of at facilities approved by the Ohio EPA for that material.

Clean Hard Fill. No Construction related waste materials are to be buried on-site. By exception, clean fill (clean bricks, hardened concrete, and soil) may be utilized in a way which does not encroach upon natural wetlands, streams, or floodplains or result in the contamination of waters.

Construction and Demolition Debris (C&DD). C&DD waste will be disposed of in an Ohio EPA permitted C&DD landfill as required by ORC 3714 and approved by Dominion.

Construction Chemical Compounds. Storing, mixing, pumping, transferring, or other handling of construction chemicals such as fertilizer, lime, asphalt, concrete drying compounds, and all other potentially hazardous materials must be done in an area away from any waterbody, ditch, or storm drain.

Equipment Fueling and Maintenance. Oil changing, equipment refueling, maintenance on hydraulic systems, etc., must be performed away from waterbodies, ditches, or storm drains and in an area designated for that purpose. The designated area must be equipped for recycling oil and catching spills. Secondary containment must be provided for all fuel and oil storage tanks. These areas must be inspected every seven (7) days and within 24 hours of a one half (0.5)-inch or greater rain event to ensure there are no exposed materials which would contaminate stormwater. Site operators must be aware that Spill Prevention Control and Countermeasures (SPCC) requirements may apply. An SPCC plan is required for sites with one (1) single aboveground tank of 660 gallons or more, accumulative aboveground storage of 1,320 gallons or more, or 42,000 gallons of underground storage.

Concrete Wash Water and Wash Outs. Concrete wash water must not be allowed to flow to streams, ditches, storm drains, or any other water conveyance. A lined sump or pit with no potential for discharge must be constructed if needed to contain concrete wash water. Field tile (agricultural drain tiles) or other subsurface drainage structures within ten (10) feet of the concrete wash sump or pit must be cut and plugged. Concrete wash water is wastewater and thus is not permitted to be discharged under the provisions of Ohio EPA's Construction General Permit which only allows the discharge of stormwater. See the Concrete Washout detail provided in Appendix E.

Spill Reporting Requirements. In the event of a spill of a regulated or hazardous material, immediately contact the Dominion Environmental Services Erosion Control Inspector (DES ECI) assigned to the site or Project. The DES ECI (if DES ECI not available, other Dominion Environmental staff) will coordinate spill reporting to the appropriate agencies. Spills on pavement must be absorbed with sawdust, kitty litter or other absorbent material. Spills to land require excavation of the contaminated material. Wastes generated from spill cleanup must be disposed of in accordance with applicable Federal, State, and Local waste regulations. Hazardous or industrial wastes including, but not limited to, most solvents, gasoline, oil-based paints, oil, grease, battery acid, muriatic acid, and cement curing compounds require special handling¹. Spills must be reported to Ohio EPA (1-800-282-9378). Spills of 25 gallons or more of petroleum products must be reported to Ohio EPA (1-800-282-9378), the local fire department, and the Local Emergency Planning Committee within thirty (30) minutes of the discovery of the release. All spills (no matter how small), which result in contact with waters of the State, must be reported to Ohio EPA's Hotline. Spills of hazardous substances, extremely hazardous substances, petroleum, and objectionable substances that are of a quantity, type, duration, and in a location as to damage the waters of the State must be immediately reported to the Ohio EPA's Regional Environmental Coordinator.

Contaminated Soils. If substances such as oil, diesel fuel, hydraulic fluid, antifreeze, etc. are spilled, leaked, or released onto the soil, the soil must be dug up and disposed of at a licensed sanitary landfill or other approved petroleum contaminated soil remediation facility (not a construction/demolition debris landfill) which has been approved by Dominion.

Open Burning. Waste disposal by open burning is prohibited by Dominion.

Dust Controls/Suppressants. Dust control is required to prevent nuisance conditions. Dust controls must be used in accordance with the manufacturer's specifications and not be applied in a manner which would result in a discharge to waters of the State. Isolation distances from bridges, catch basins, and other drainage ways must be observed. Application (excluding water) may not occur when precipitation is imminent as noted in the short term forecast. Used oil may not be applied for dust control. Watering must be done at a rate that prevents dust but does not cause soil erosion. Chemical stabilizers and adhesives must not be used, unless written permission is received from Ohio EPA.

¹ The Federal Resource Conservation and Recovery Act (RCRA) requires that all wastes generated by industrial activity, including construction activities, be evaluated to determine if the waste is hazardous, non-hazardous or special wastes. Hazardous waste and special wastes have specific handling and disposal requirements which must be met to comply with RCRA. Additional information regarding the waste evaluation process and the proper handling and disposal requirements for wastes can be found in the following Dominion Guidance Documents: "Hazardous Waste Guidance", "Hazardous Waste Guidance Labeling", "Hazardous Waste Guidance Labeling - Appendix A", "Nonhazardous Waste Management", "Universal Waste Management", "Universal Waste Guidance - Appendix A - Labeling Matrix", and "Used Oil and Oil Filter Management". Consult with the DES ECI assigned to the site or project for advice.

Air Permitting Requirements. All contractors and subcontractors must be made aware that certain activities associated with construction will require air permits. Activities including, but not limited to, mobile concrete batch plants, mobile asphalt plants, concrete crushers, generators, etc., will require specific Ohio EPA Air Permits for installation and operation. Dominion must seek authorization from the corresponding district of Ohio EPA for these activities. Notification for Restoration and Demolition must be submitted to Ohio EPA for all commercial sites to determine if asbestos abatement actions are required.

Process Wastewater/Leachate Management. All contractors must be made aware that Ohio EPA's Construction General Permit only allows the discharge of stormwater. Other waste discharges including, but not limited to, vehicle and/or equipment washing, leachate associated with on-site waste disposal, concrete wash outs, etc. are a process wastewater. These types of wastewaters are not authorized for discharge under the General Stormwater Permit associated with Construction Activities. All process wastewaters must be collected and properly disposed at an Dominion approved disposal facility. In the event there are leachate outbreaks (water that has passed through contaminated material and has acquired elevated concentrations of the contaminated material) associated with onsite disposal, measures must be taken to isolate this discharge for collection and proper disposal at a Dominion approved disposal facility. Investigative measures and corrective actions must be implemented to identify and eliminate the source of all leachate outbreaks.

Permit to Install (PTI) Requirements. All contractors and subcontractors must be made aware that a PTI must be submitted and approved by Ohio EPA prior to the construction of all centralized sanitary systems, including sewer extensions, and sewerage systems (except those serving one (1), two (2), and three (3) family dwellings) and potable water lines. The issuance of an Ohio EPA Construction General Stormwater Permit does not authorize the installation of any sewerage system where Ohio EPA has not approved a PTI. If necessary, Dominion will acquire the PTI or Dominion will require the contractor to acquire the PTI.

Compliance with Other Requirements. This plan is consistent with State and/or local waste disposal, sanitary sewer, or septic system regulations including provisions prohibiting waste disposal by open burning. Contaminated soils are not expected to be encountered on this Project. If contaminated soils are encountered within the limits of construction, they will be managed and disposed of properly by trained personnel.

Trench and Groundwater Control. There must be no turbid discharges to surface waters of the State resulting from dewatering activities. If trench or groundwater contains sediment, it must pass through a sediment settling pond or other equally effective sediment control device, prior to being discharged from the construction site. Alternatively, sediment may be removed by settling in place or by dewatering into a sump pit, filter bag, or comparable practice. Groundwater dewatering which does not contain sediment or other pollutants is not required to be treated prior to discharge. However, care must be taken when discharging groundwater to ensure that it does not become pollutant laden by traversing over disturbed soils or other pollutant sources. Discharge of contaminated groundwater is not authorized.

Contaminated Sediment. Where construction activities are to occur on sites with historical contamination, operators must be aware that concentrations of materials that meet other criteria (is not considered a Hazardous Waste, meeting VAP standards, etc.) may still result in stormwater discharges in excess of Ohio Water Quality Standards. Such discharges are not authorized and may require coverage under a separate individual or general remediation permit. Contaminated soil stockpiles shall be protected from discharges by covering the contaminated soil with a tarp or other such material which will prohibit water from coming in contact with the soils. Contaminated soils can also be removed from the site and disposed of at a Dominion approved facility.

3.9 MAINTENANCE

All temporary and permanent control measures must be maintained and repaired as needed to ensure continued performance of their intended function. All sediment control measures must be maintained in a functional condition until all up-slope areas are permanently stabilized. The following maintenance procedures will be conducted to ensure the continued performance of control practices.

- Qualified personnel must inspect all BMPs at least once every seven (7) days and within 24 hours of a one-half (0.5)-inch or greater rainfall within any 24-hour period, as determined by Dominion personnel or a designated representative using National Weather Service or other acceptable resources such as an on-site rain gauge, and determine if the SWP3 has been properly implemented.
- Maintenance or repair of BMPs must be completed by the designated contractor within three (3) days of the date of the inspection that revealed a deficiency. For sediment ponds, repair or maintenance is required within ten (10) days of the date of the inspection.
- Off-site vehicle tracking of sediments and dust generation must be minimized. Temporary construction entrances must be provided where applicable to help reduce vehicle tracking of sediment. Any paved roads adjacent to the site entrance must be swept daily to remove excess mud, dirt, or rock tracked from the site, as necessary.

3.10 INSPECTIONS

The following inspection practices must be followed once site activities have commenced and erosion and sediment control measures have been installed.

- All onsite controls must be inspected by Dominion personnel or a designated representative at least once every seven (7) calendar days and within 24 hours after any storm event greater than one-half (0.50)-inch of rain per 24-hour period, as determined by Dominion personnel or a designated representative using National Weather Service or other acceptable resources such as an on-site rain gauge.

- Inspection frequency may be reduced to at least once every month if the entire site is temporarily stabilized or runoff is unlikely due to weather conditions (e.g., site is covered with snow, ice, or the ground is frozen). A waiver of inspection requirements is available from Ohio EPA until one (1) month before thawing conditions are expected to result in a discharge if all of the following conditions are met: the Project is located in an area where frozen conditions are anticipated to continue for extended periods of time (i.e., more than one (1) month); land disturbance activities have been suspended; and the beginning and ending dates of the waiver period are documented in the SWP3. Dominion will obtain the waiver at the request of the contractor.
- Once a definable area has reached final stabilization as defined in Section 3.2 Upland Erosion Control Practices, the area may be marked on the SWP3 and no further inspection requirements apply to that portion of the site.
- A Dominion or designated representative “qualified inspection personnel” must conduct inspections to ensure that the control practices are functional and to evaluate whether the SWP3 is adequate and properly implemented in accordance with the schedule or whether additional control measures are required.
- Following inspection, a checklist must be completed and signed by the qualified inspection personnel representative. The checklist is provided in Appendix F. The record and certification must be signed in accordance with Ohio Permit OHC000004.
- Inspection reports must be maintained for three (3) years following the submittal of a Notice of Termination.
- For BMPS that require repair or maintenance, BMPs must be repaired or maintained within three (3) days of the inspection; sediment settling ponds must be repaired or maintained within ten (10) days of the inspection.
- For BMPs that are not effective and that another, more appropriate BMP is required, the SWP3 must be amended and the more appropriate BMP must be installed within ten (10) days of the inspection.
- For BMPs depicted on the SWP3 that have not been actually installed onsite, the control practice must be implemented within ten (10) days from the inspection.

4.0 APPROVED STATE OR LOCAL PLANS

This SWP3 must comply, unless exempt, with the lawful requirements of municipalities, counties, and other local agencies regarding discharges of stormwater from construction activities. All erosion and sediment control plans and stormwater management plans approved by local officials must be retained.

5.0 EXCEPTIONS

If specific site conditions prohibit the implementation of any of the erosion and sediment control practices contained in this plan or site specific conditions are such that implementation of any erosion and sediment control practices contained in this plan will result in no environmental benefit, then Dominion must provide justification for rejecting each practice based on site conditions. Dominion may request approval from Ohio EPA and any other applicable regulatory authority to use alternative methods if Dominion can demonstrate that the alternative methods are sufficient to protect the overall integrity of receiving streams and the watershed.

6.0 NOTICE OF TERMINATION REQUIREMENTS

Once a site reaches final stabilization and construction activities have ceased, NPDES permit coverage is terminated by filing a notice of termination (NOT). The NOT must be filed within 45 days of reaching final stabilization. The terms and conditions of this permit must remain in effect until a signed NOT form is submitted. NOT forms must be submitted in accordance with Ohio Permit OHC000004.

Similarly, a notice of completion must be provided to any municipalities, counties, and other local agencies that require such notice.

7.0 CERTIFICATION

Owner/Developer Certification (must be signed by president, vice-president or equivalent or ranking elected official)

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Date

Printed Name

Title

If authorization is no longer accurate because of a different individual or position has responsibility for the overall operation of the Project, a new authorization must be submitted to the Director prior to, or together with any reports, information, or applications to be signed by an authorized representative.

Contractor(s) Certification (must be signed by president, vice-president or equivalent or ranking elected official)

I certify that I have reviewed this document, and any appendices referenced above. Based on my inquiry of the construction site owner/developer identified above, and/or my inquiry of the person directly responsible for assembling this SWP3, I believe the information submitted is accurate. I am aware that there are potential significant penalties for knowing violations and for failure to comply with these requirements.

Primary Contractor Name

Primary Contractor Address

Signature

Date

Printed Name

Title

Subcontractor Name

Subcontractor Address

Signature

Date

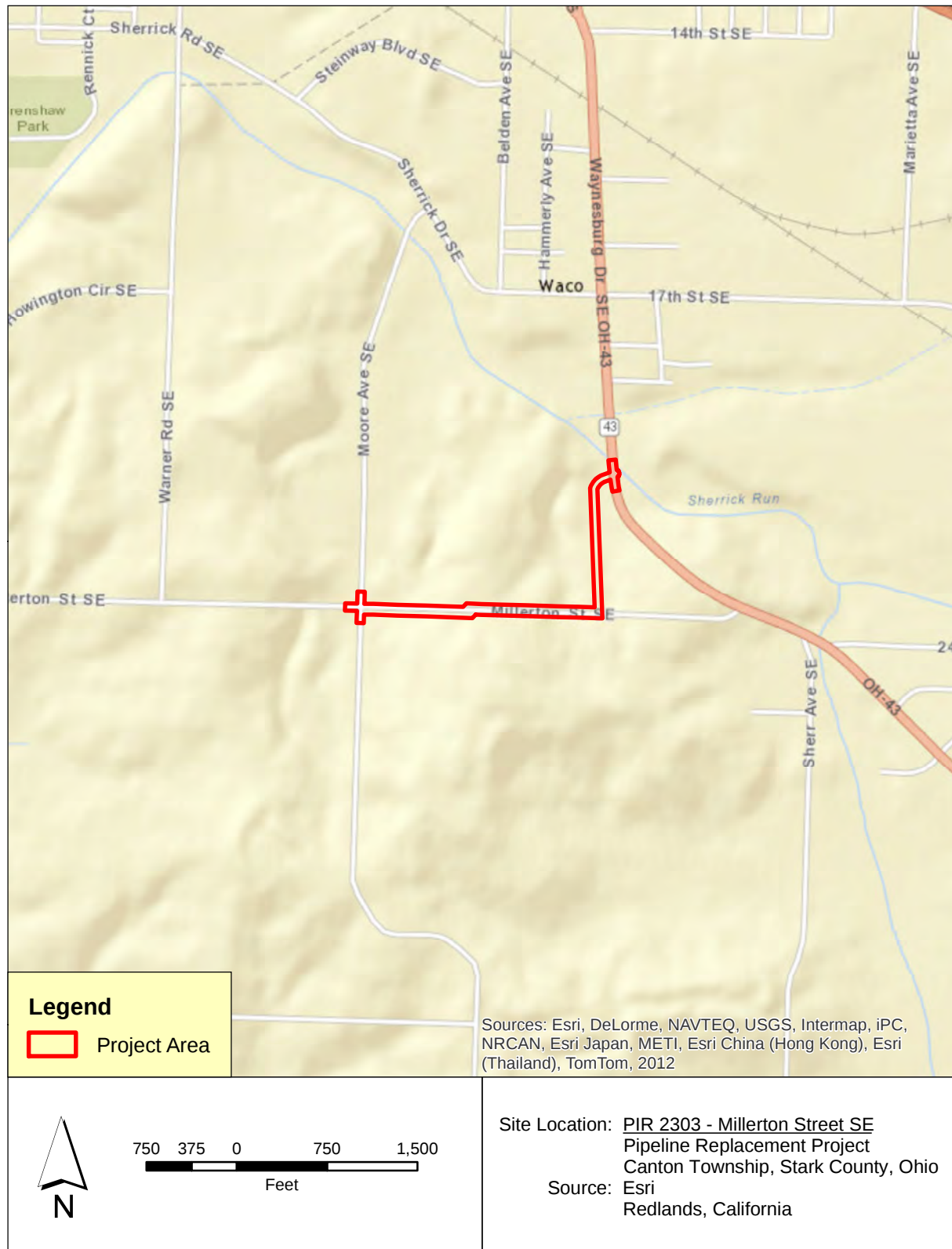
Printed Name

Title

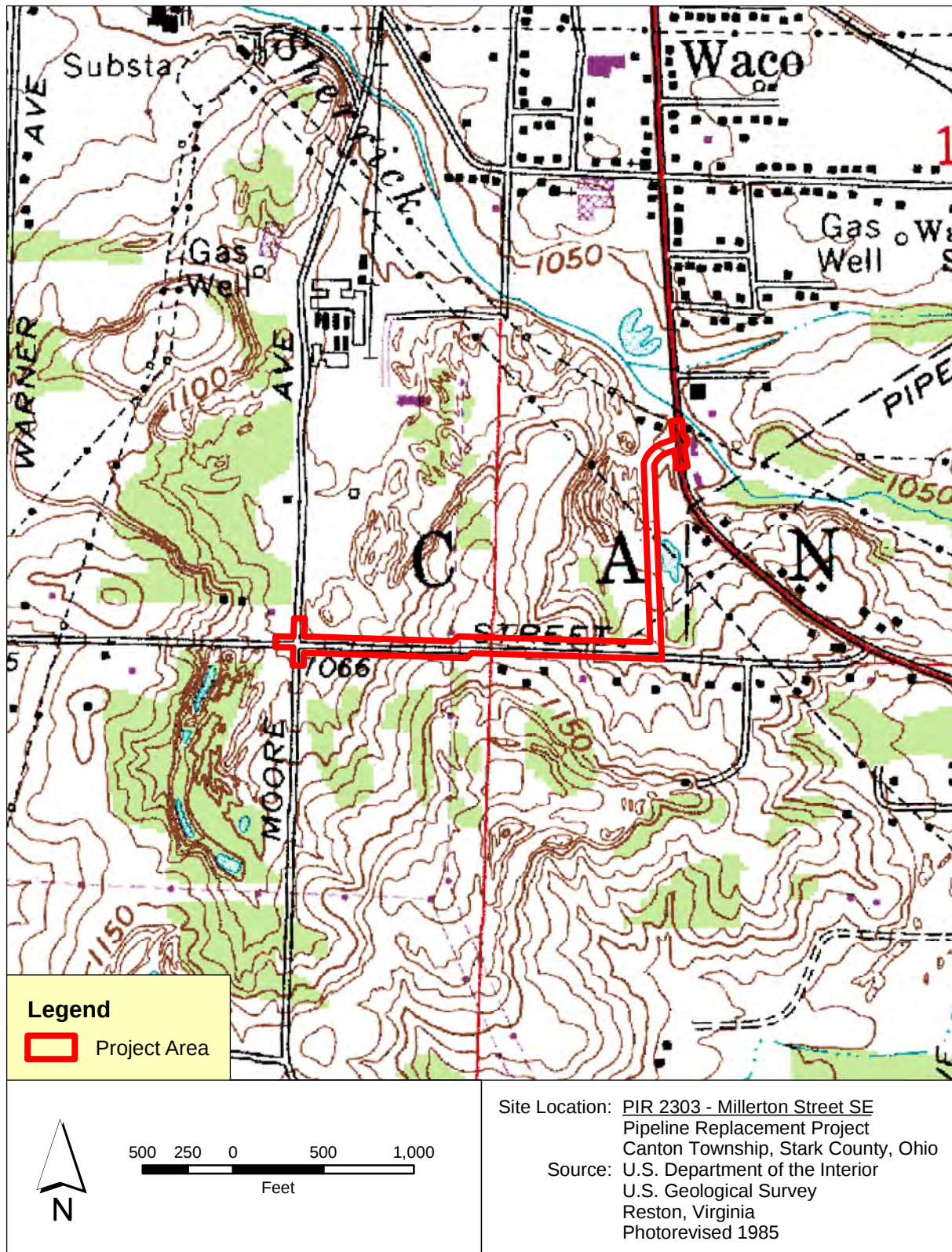
APPENDIX A

Site Location Maps

Location of Project Area on Highway Map



**Location of Project Area on
USGS 7.5-Minute Topographic Map
(Canton East Quadrangle)**



APPENDIX B

Existing Soil Data

Legend

- Project Area
- Stark County Soils

Site Location: PIR 2303 - Millerton Street SE
 Pipeline Replacement Project
 Canton Township, Stark County, Ohio

Source: U.S. Department of Agriculture
 Natural Resources Conservation Service
 Web Soil Survey
 SOOIT OGRIP OSIP2
 Aerial photograph dated 2011

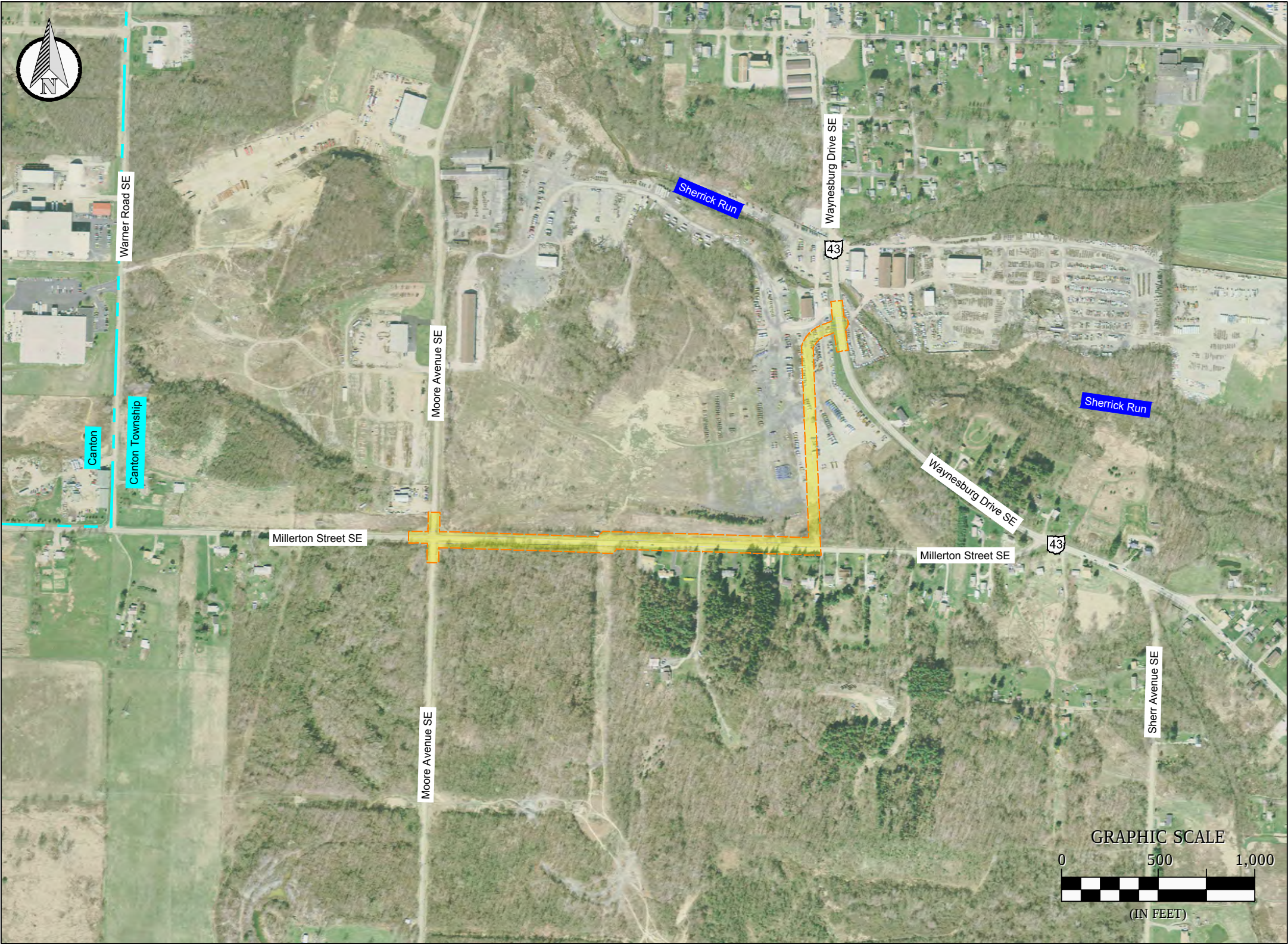
Appendix B - Soil Types & Descriptions

Soil Type	Map Symbol	Slope	Material	Drainage Capacity	Location	Depth to Water Table
Canfield-Urban land complex, 6 to 12 percent slopes	CeC	6 to 12 percent	50% Canfield silt loam; 40% Urban land	Moderately well drained	Till plains	10 to 21 inches
Fairpoint channery silt loam, 8 to 25 percent slopes, unreclaimed	Fpn4D1	8 to 25 percent	Silt loam	Well drained	Summit, footslope, interfluv	More than 80 inches
Fairpoint silt loam, 0 to 8 percent slopes, reclaimed	Fpr1B1	0 to 8 percent	Silt loam	Well drained	Summit, footslope, interfluv	More than 80 inches
Gilpin silt loam, 3 to 8 percent slopes	GdB	3 to 8 percent	Silt loam	Well drained	Ridges, shoulder and summit	More than 80 inches
Gilpin silt loam, 8 to 15 percent slopes	GdC	8 to 15 percent	Silt loam	Well drained	Ridges, shoulder and summit	More than 80 inches
Gilpin silt loam, 15 to 25 percent slopes	GdD	15 to 25 percent	Silt loam	Well drained	Ridges, shoulder and summit	More than 80 inches
Loudonville silt loam, 2 to 6 percent slopes	LoB	2 to 6 percent	Silt loam	Well drained	Hills, summit	More than 80 inches
Muskingum silt loam, 6 to 12 percent slopes	MsC	6 to 12 percent	Silt loam	Well drained	Hills, summit	More than 80 inches
Muskingum and Gilpin silt loams, 18 to 25 percent slopes	MvE	18 to 25 percent	Silt loam	Well drained	Hills, backslope	More than 80 inches
Sebring silt loam, 0 to 2 percent slopes	Sb	0 to 2 percent	Silt loam	Poorly drained	Terraces, tread	0 to 9 inches
Udorthents	Ua	N/A	N/A	N/A	N/A	More than 80 inches
Wayland silt loam	Wd	0 to 2 percent	Silt loam	Poorly drained	Flood plains	0 to 6 inches

APPENDIX C

Detailed Erosion and Sediment Control Location Drawings

Map View Location Map



 = Approximate study area



Prepared by:

DAVEY
RESOURCE GROUP
A Division of The Davey Tree Expert Company

Prepared for:

**The East Ohio Gas
Company**

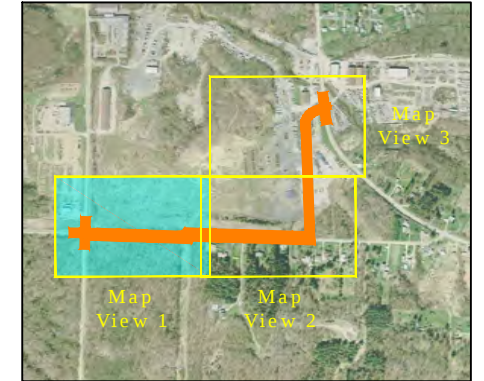
PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township
Stark County, Ohio

Data used to produce this
map were collected on
October 6, 2015, and
March 30, 2016

Location
Map

Notes:

- As indicated on this map, silt fence, filter socks, geotextile fabric, trench plugs, straw dike bales, water bars, and/or check dams will be installed prior to construction.
- Construction will be limited to existing road right-of-way and EOG easement.
- Steel plates will be placed across roadways and driveways for ingress and egress.
- If construction activities extend outside of the 50-foot corridor, timber mats and/or other protective measures must be used to cross through all water resources.
- Excess soil will be spread onsite, but out side and away from agricultural areas, wetlands, floodplains, streams, drainage ways, or other environmentally sensitive areas.
- For wetland crossings during trench excavation, the top 6 to 12 inches of topsoil (with the vegetative root mass) will be removed from over the trenchline and stockpiled separately from the trench subsoil.
- In critical areas (e.g., adjacent to or within 50 feet of streams, ponds, or wetlands) a protective blanket or netting will be installed for seeded areas on slopes steeper than 3:1.
- Following completion of construction activities, disturbed areas will be permanently stabilized (i.e., seeded, mulched, and fertilized).



Wetland A
Temporary Impacts
(0.016 acre)

Millerton Street SE

Wetland A
(0.037 acre)

Moore Avenue SE

GRAPHIC SCALE



- = Inlet (grate)
- = Silt fence
- = Trench plug
- = Water bar
- = Filter sock/check dam

- = Approximate study area
- = Non-jurisdictional roadside ditch
- = Ephemeral stream
- = Non-jurisdictional swale
- = Direction of flow
- = Existing culvert(s)
- = Areas of wetlands delineated within study area (0.037 acre)

Prepared by:



Prepared for:

The East Ohio Gas
Company

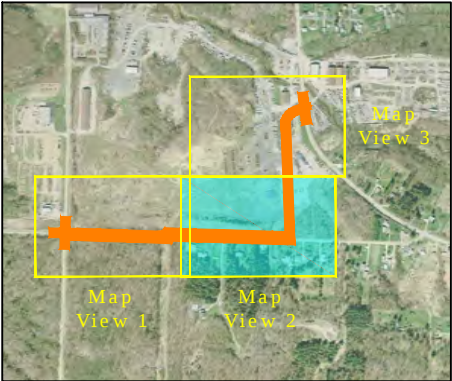
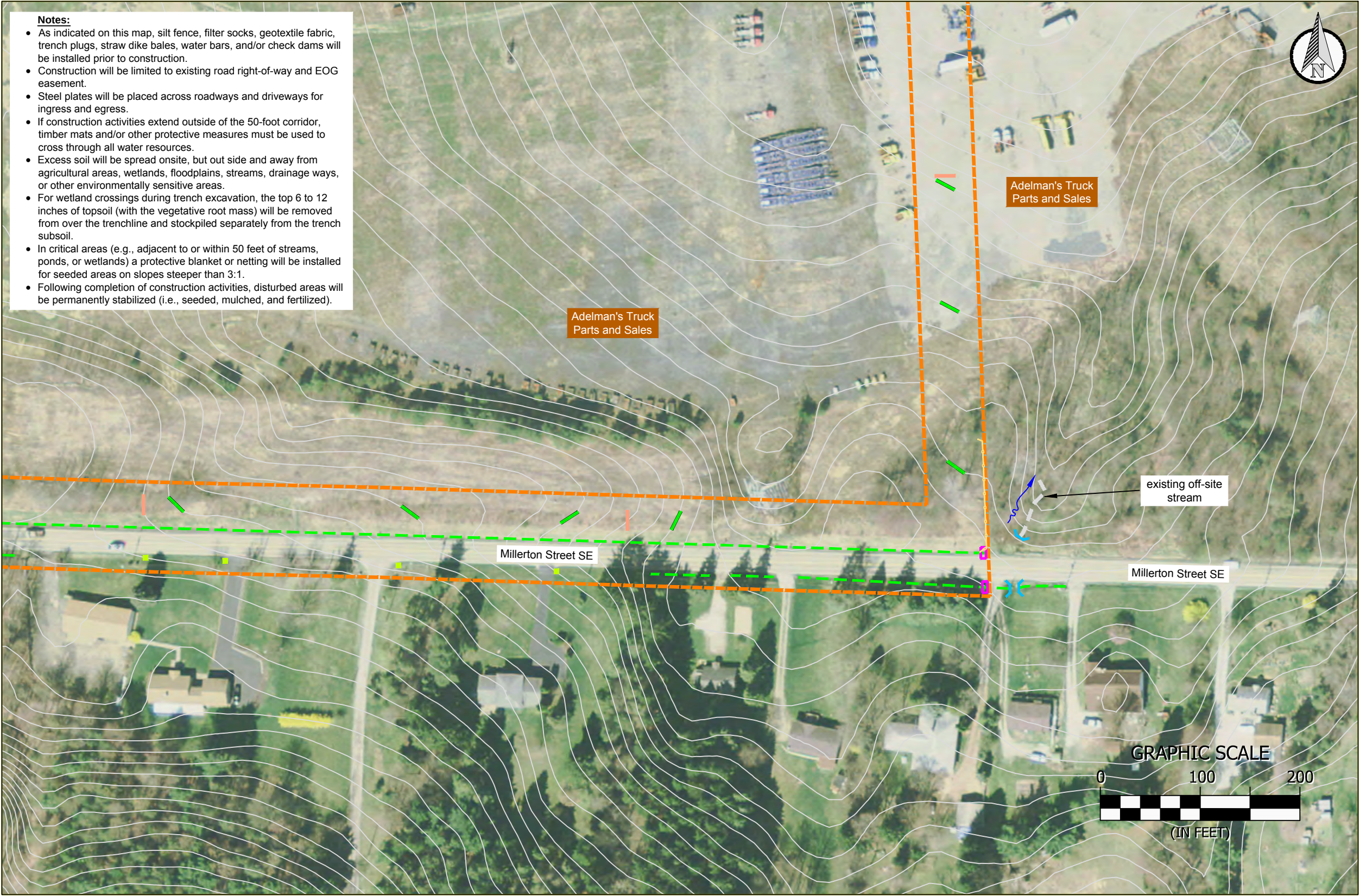
PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township
Stark County, Ohio

Data used to produce this
map were collected on
October 6, 2015, and
March 30, 2016

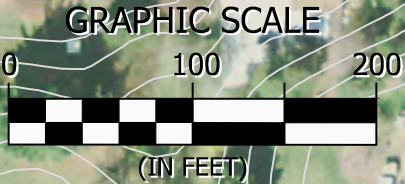
Map
View **1**
of 3

Notes:

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- = Inlet (grate)
- = Silt fence
- = Trench plug
- = Water bar
- = Filter sock/check dam



- = Approximate study area
- = Non-jurisdictional roadside ditch
- = Ephemeral stream
- = Non-jurisdictional swale
- = Direction of flow
- = Existing culvert(s)
- = Areas of wetlands delineated within study area (0.037 acre)

Prepared by:

DAVEY
RESOURCE GROUP
A Division of The Davey Tree Expert Company

Prepared for:

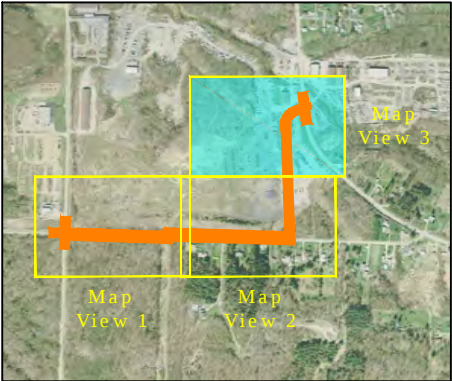
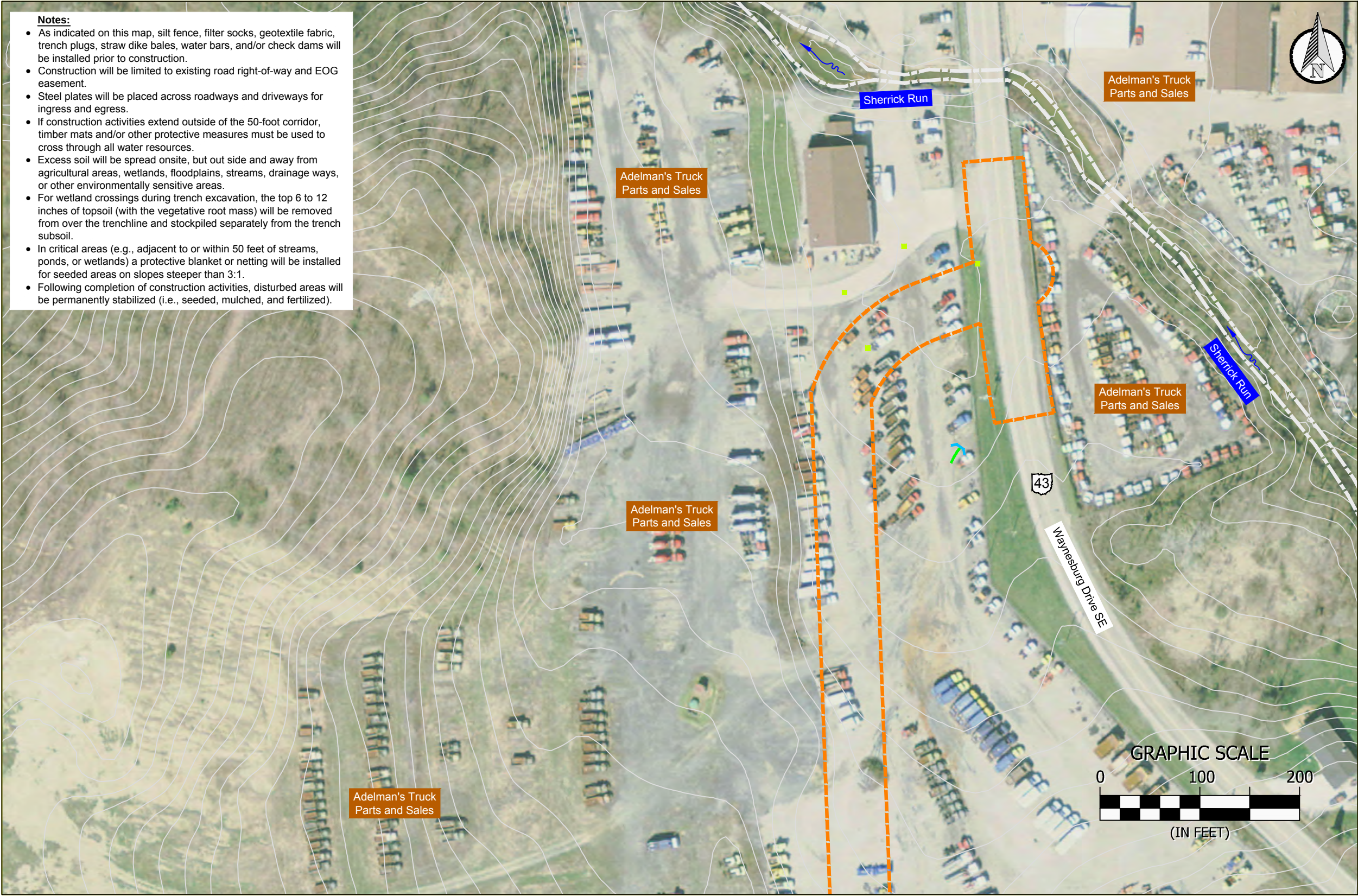
The East Ohio Gas Company

PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township
Stark County, Ohio

Data used to produce this map were collected on October 6, 2015, and March 30, 2016

Notes:

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- = Areas of wetlands delineated within study area (0.037 acre)

Prepared by:
DAVEY
RESOURCE GROUP
A Division of The Davey Tree Expert Company

Prepared for:
**The East Ohio Gas
Company**

PIR 2303 - Millerton Street SE
Pipeline Replacement Project
Canton Township
Stark County, Ohio

Data used to produce this
map were collected on
October 6, 2015, and
March 30, 2016

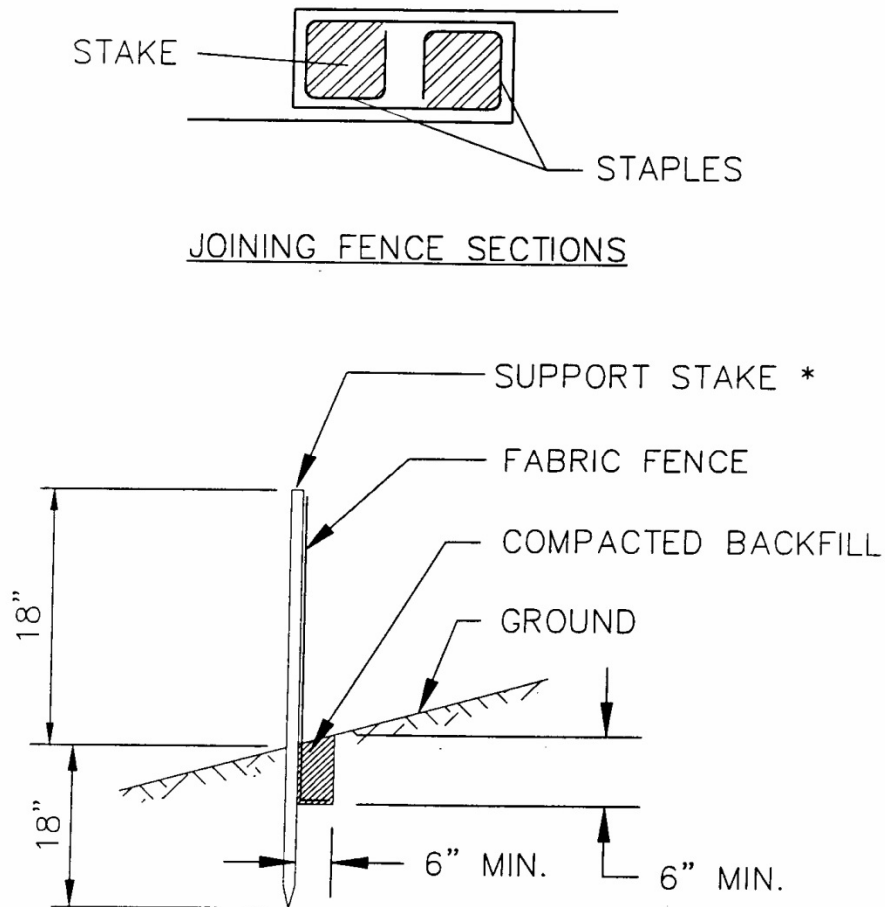
Map
View **3**
of 3

APPENDIX D

Typical Erosion and Sediment Control Drawings

DETAIL D-1

FILTER FABRIC FENCE DETAIL



*Stakes spaced @ 8' maximum. Use 2"x 2" wood or equivalent steel stakes.

Filter Fabric Fence must be placed at level existing grade. Both ends of the barrier must be extended at least 8 feet up slope at 45 degrees to the main barrier alignment.

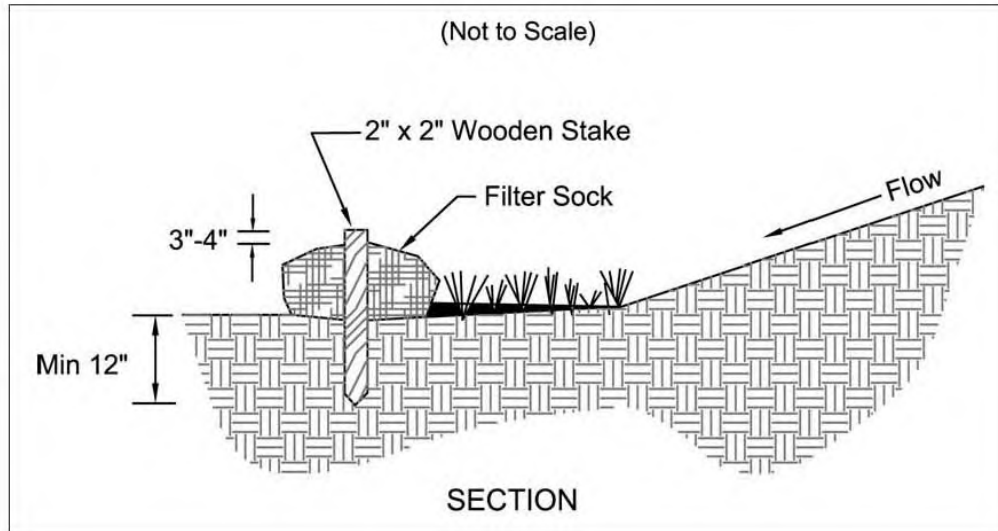
Trench shall be backfilled and compacted to prevent runoff from cutting underneath the fence.

Sediment must be removed when accumulations reach 1/2 the above ground height of the fence.

Any section of Filter fabric fence that has been undermined or topped should be immediately replaced.

DETAIL D-2

FILTER SOCK DETAIL



1. Materials – Compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. They shall be derived from a well-decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
2. Filter Socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.

INSTALLATION:

3. Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. On slopes approaching 2:1, additional socks shall be provided at the top and as needed mid-slope.
4. Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.

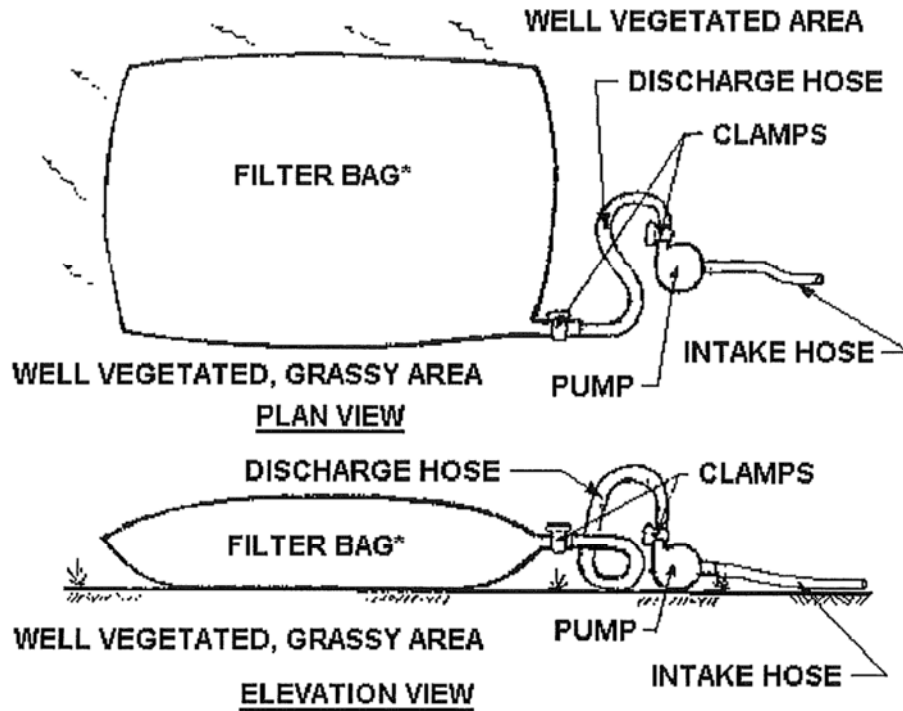
5. Filter Socks are not to be used in concentrated flow situations or in runoff channels.

MAINTENANCE:

6. Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
7. Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
8. Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
9. Removal – Filter socks will be dispersed on site when no longer required in such as way as to facilitate and not obstruct seedings.

DETAIL D-3

PUMPED WATER FILTER BAG DETAIL



Filter bags shall be made from non-woven geotextile material sewn with high strength, double stitched "J" type seams. They shall be capable of trapping particles larger than 150 microns.

A suitable means of accessing the bag with machinery required for disposal purposes must be provided. Filter bags shall be replaced when they become 1/2 full. Spare bags shall be kept available for replacement of those that have failed or are filled.

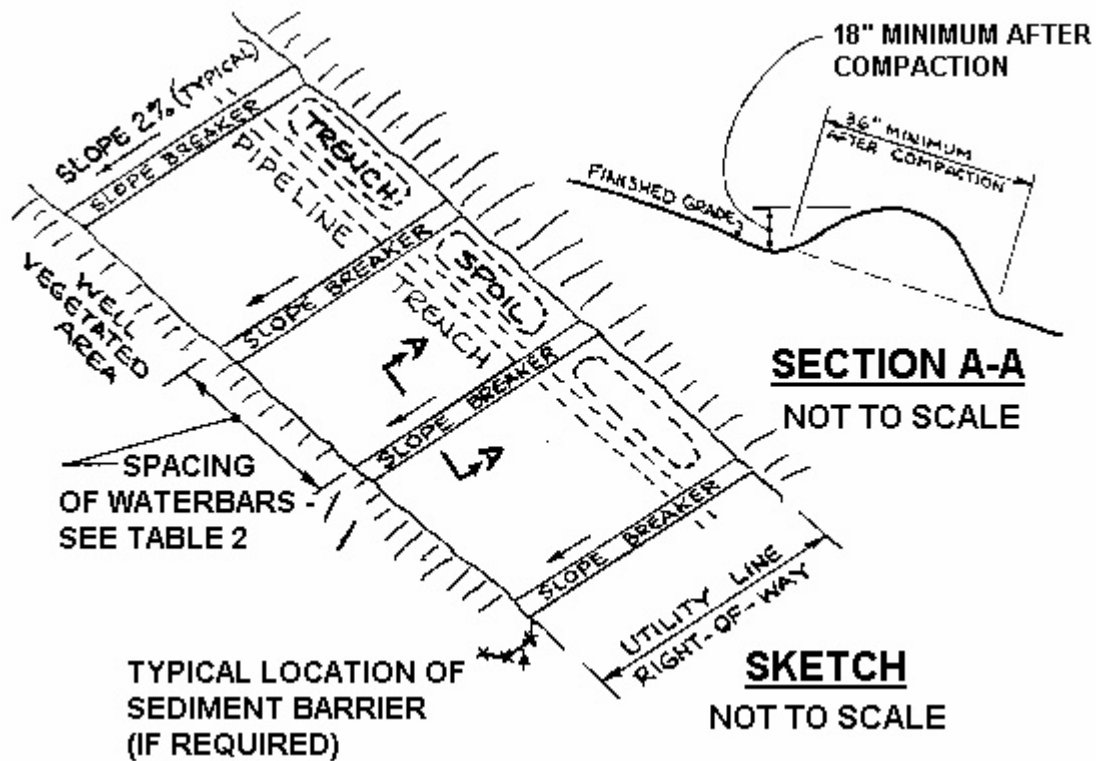
Bags shall be located in a well-vegetated (grassy) area, and discharge onto stable, erosion resistant areas. Where this is not possible, a geotextile flow path shall be provided. Bags should not be placed on slopes greater than 5%.

For hydrostatic discharge, the pumping rate is 350-500 gallons per minute (gpm). For trench dewatering, the pumping rate shall be no more than 750 gpm. Floating pump intakes should be considered to allow sediment-free water to be discharged during dewatering.

Filter bags shall be inspected daily. If any problem is detected, pumping shall cease immediately and not resume until the problem is corrected.

DETAIL D-4

WATERBAR INSTALLATION



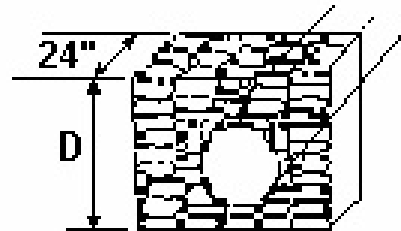
Required Spacing for Temporary and Permanent Waterbars	
Percent Slope	Spacing (FT)
1	400
2	250
5	135
10	80
15	60
20	45

Waterbars should be constructed at a slope of 1% and discharge to a well-vegetated area. Waterbars should not discharge into an open trench. Waterbars should be oriented so that the discharge does not flow back onto the ROW. Obstructions, (e.g. silt fence, rock filters, etc.) should not be placed in any waterbars. Where needed, they should be located below the discharge end of the waterbar.

DETAIL D-5

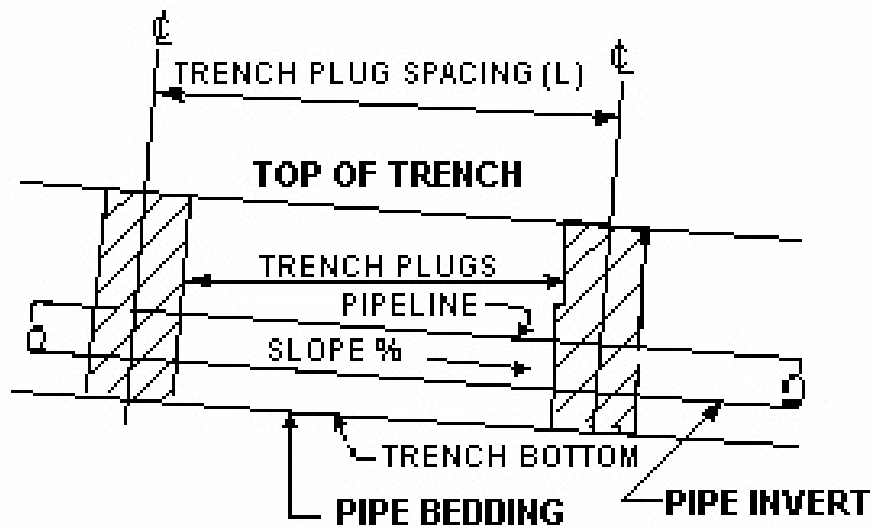
TRENCH PLUG INSTALLATION DETAIL

D - DEPTH TO BOTTOM OF TRENCH



SECTION VIEW

NOT TO SCALE

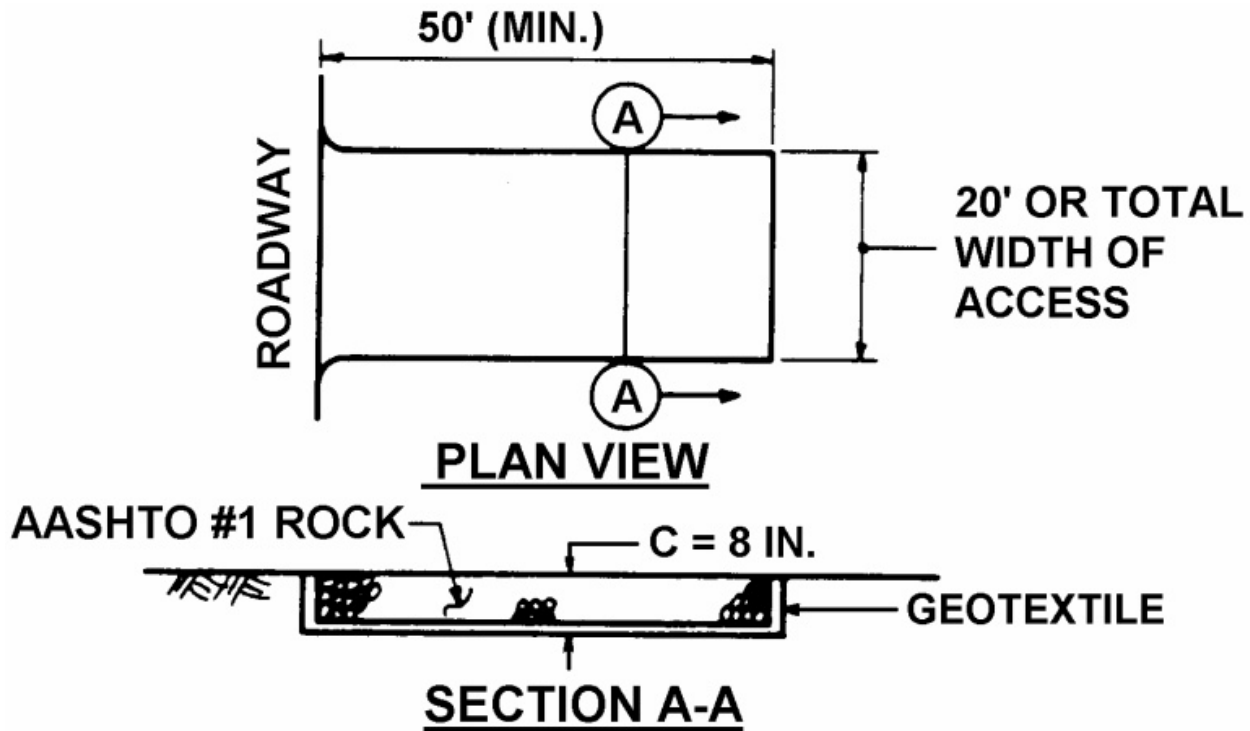


ELEVATION

NOT TO SCALE

DETAIL D-7

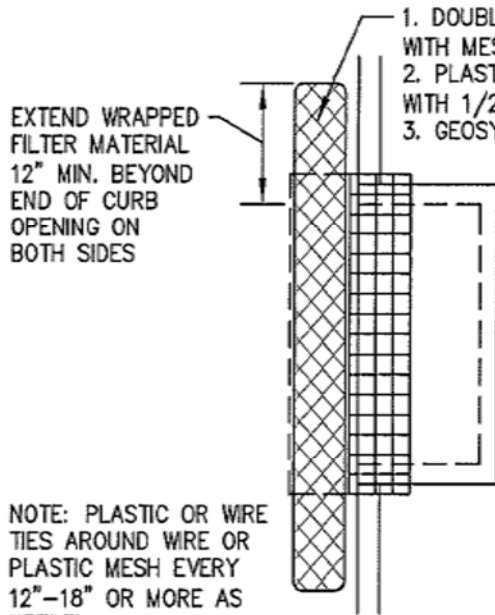
ROCK CONSTRUCTION ENTRANCE DETAIL



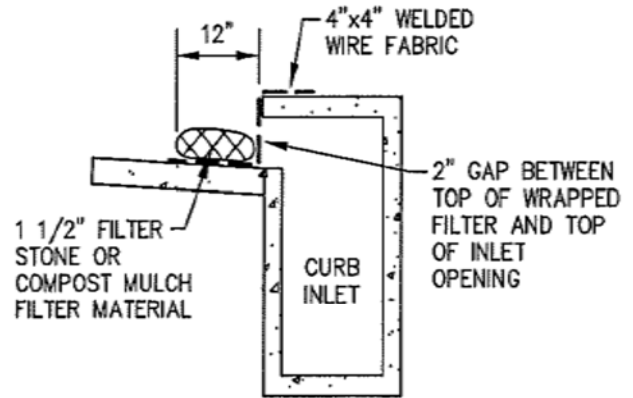
MAINTENANCE: Rock Construction Entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained onsite for this purpose. At the end of each construction day, all sediment deposited on paved roadways shall be removed and returned to the construction site. Steel plates, timber mats, and tires are also acceptable materials for short-term construction entrances.

DETAIL D-8A

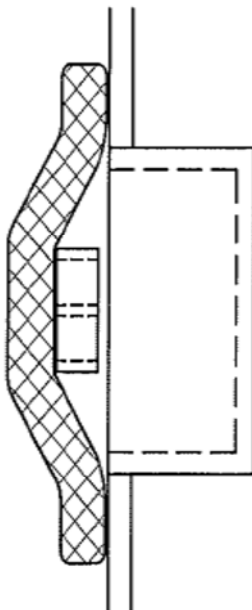
CURB INLET PROTECTION



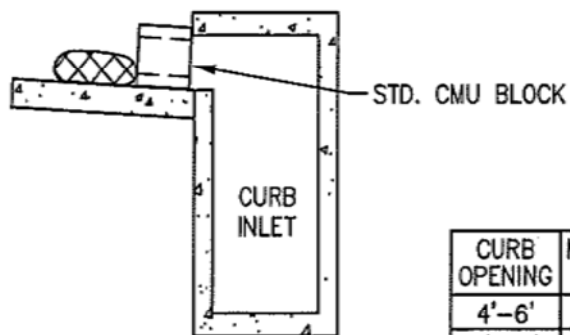
PLAN VIEW



CROSS SECTION



PLAN VIEW

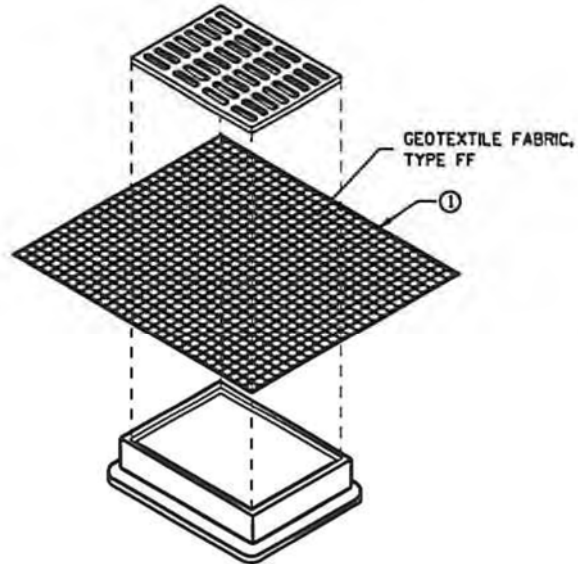


CROSS SECTION

CURB OPENING	MIN. NO. BLOCKS
4'-6'	1
8'-10'	2
12'-14'	3
16'-20'	4

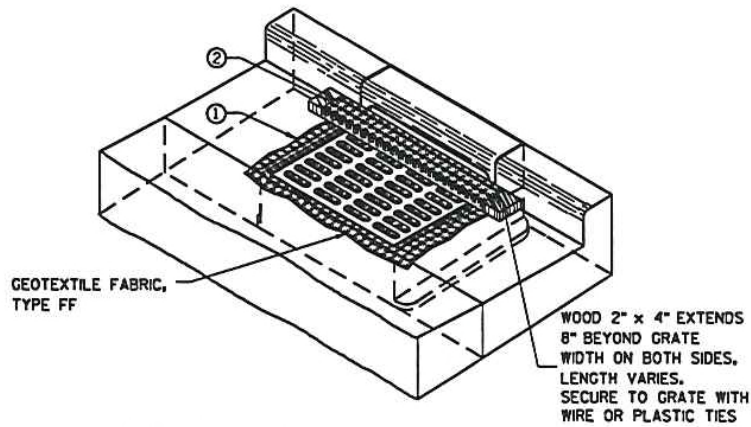
DETAIL D-8B

CURB INLET PROTECTION



INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

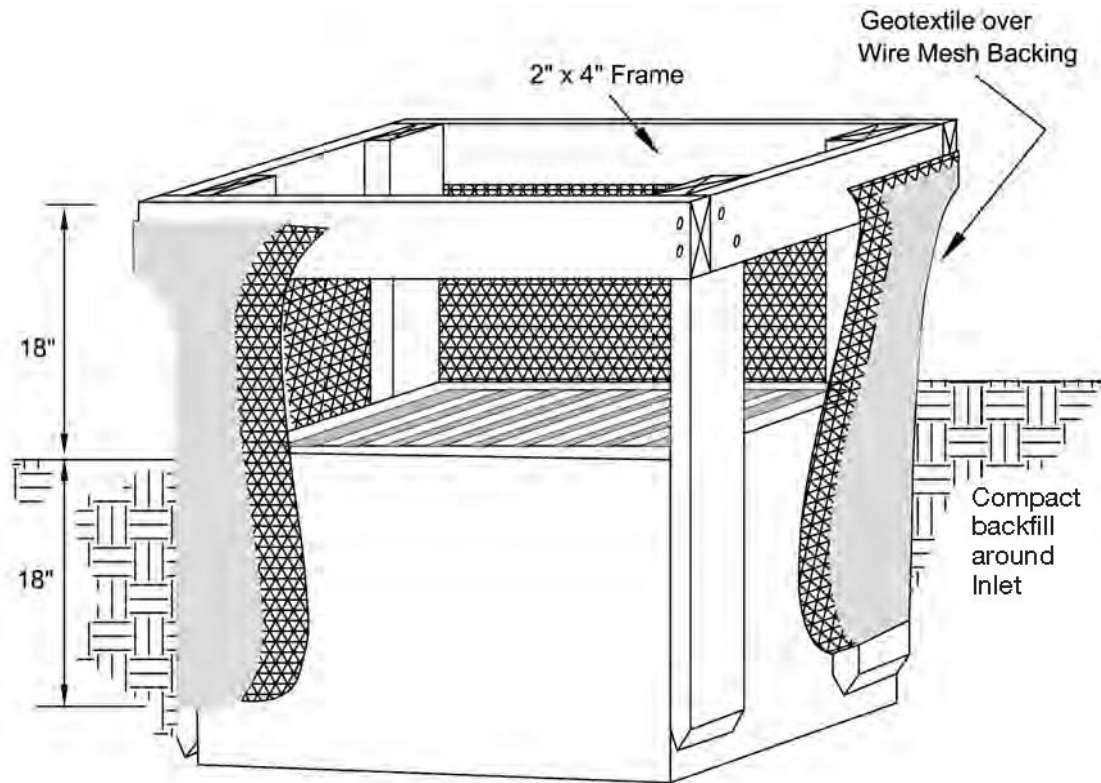
TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

DETAIL D-8C

GEOTEXTILE INLET PROTECTION DETAIL



SECTION

1. Inlet protection shall be constructed either before upslope land disturbance begins or before the inlet becomes functional.
2. The earth around the inlet shall be excavated completely to a depth at least 18 inches.
3. The wooden frame shall be constructed of 2-inch by 4-inch construction grade lumber. The 2-inch by 4-inch posts shall be driven one (1) ft. into the ground at four corners of the inlet and the top portion of 2-inch by 4-inch frame assembled using the overlap joint shown. The top of the frame shall be at least 6 inches below adjacent roads if ponded water will pose a safety hazard to traffic.
4. Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
5. Geotextile material shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall extend from the top of the frame to 18 inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
6. Backfill shall be placed around the inlet in compacted 6 inch layers until the earth is even with notch elevation on ends and top elevation on sides.
7. A compacted earth dike or check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression. The top of the dike shall be at least 6 inches higher than the top of the frame.
8. Filter fabric and filter socks can also be used as inlet protection.

APPENDIX E

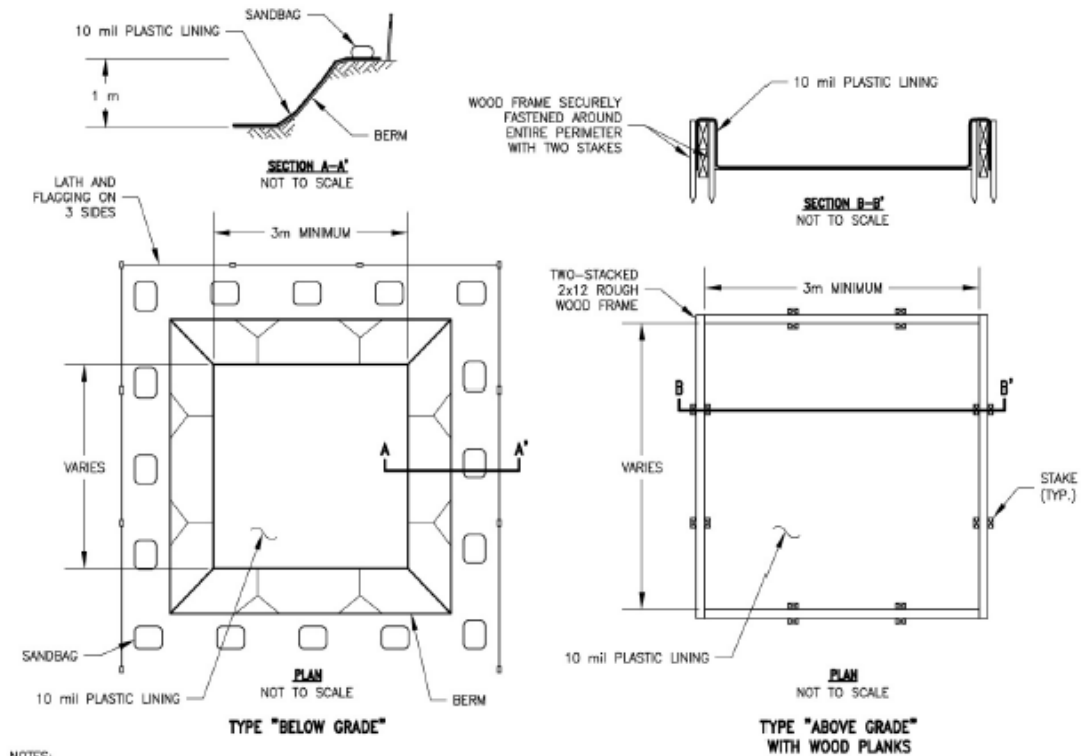
Concrete Washout Detail

DETAIL E-1

Concrete Washout Detail

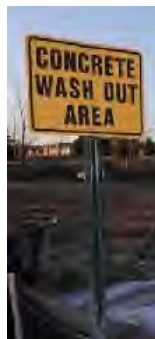
Note: This detail to be used in the absence of the following concrete washout BMPs:

1. Washout into a depressional area where new sidewalks will be poured
2. Washout into a lined pit in the ground with filter socks as perimeter control



NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN (SEE PAGE 6) SHALL BE INSTALLED WITHIN 10 m OF THE TEMPORARY CONCRETE WASH-OUT FACILITY.



Sign Examples



Photograph of the "ABOVE GRADE" concrete washout structure

APPENDIX F

SWP3 Inspection Form

ECTS Checklist Guidance

Checklist Title: SWP3 Inspection Form

(For Dominion Transmission, Inc. Construction Projects with a SWP3)

THIS CHECKLIST IS TO BE COMPLETED BY AN ENVIRONMENTAL INSPECTOR (EI) CONTRACTED BY DOMINION OR A DOMINION INSPECTOR DURING SCHEDULED OR UNSCHEDULED SITE INSPECTIONS OF ACTIVE CONSTRUCTION SITES WITH A SWP3.

- **Information at the top of the form.**

- **Site Name:** Note the Project name and/or location of the construction activity.
- **Inspector:** Note the inspector's name and circle the appropriate title.
- **Qualifications:** Note applicable qualifications (Y/N).
 - Eight-Hour Stormwater Management During Construction Course - A course administered by numerous third-party trainers.
 - CESSWI - Certified Erosion, Sediment and Stormwater Inspector. A federal certification program administered by EnviroCert International. If "Yes" include certification number.
 - Dominion SWP3 Training - A training module prepared by Dominion Environmental Services for Dominion construction Sites
- **Signature:** Include the signature of the inspector on paper copy maintained at the site.

- **Inspection Documentation Area:**

- Circle the applicable inspection type:
 - "Weekly" - Inspection required during active construction and restoration.
 - "Monthly" - Inspection required after all construction and restoration activity has ceased.
 - "Routine" - Minimum weekly inspection interval
 - "Precipitation Event" - Must be completed within 24 hours of a more than 0.5-inch precipitation event, as determined by Dominion personnel or a designated representative using National Weather Service or other acceptable resources such as an on-site rain gauge.
 - "Other" - Random inspection, Compliance Inspection, Follow-up, etc.
- **Has it rained since last inspection?** (Y/N) Circle as appropriate and note the time started and duration of the previous storm event. If the precipitation amount is known, insert this information here.
- **Current Conditions:** Describe the weather conditions during this inspection. Circle the most appropriate soil condition. "Saturated" = standing water is visible on the ground surface.
- **Features Inspected:** List each feature inspected at the site. The Feature ID must correspond to the site plan submitted with the SWP3 or E&S Control Plan. Record any repairs or maintenance necessary for each device; include an accurate description of the location of repair and a date when the repair must be completed.

- **Information on Second Page.**

- **Construction Inspector(s):** Note the inspection date, site name, and inspector's name.
- **Previous Inspections:** Review the previous site inspection form, including action items and dates of completion. Comment on any ongoing activities and its progress. The site has 3 days from discovery to complete applicable repairs and 10 days from discovery to install new controls if warranted.
- **Necessary Documents:** Confirm the presence of environmental permit, plans, and notices. These must include: a Stormwater Pollution Prevention Plan (SWP3) or Erosion and Sediment (E&S) Control Plan; Construction Permit/Land Disturbance Permit; Notice of Intent (NOI) to begin disturbance; and Notices of Termination.
- **Disturbed Areas:** Any disturbed areas that are anticipated to lie dormant for more than 21 days must be stabilized to prevent potential erosion. Stabilization may include: permanent cover (e.g., building, parking lot, etc.); vegetation (seed and straw), mulch or tack; gravel, stone or rip rap.
- **E/SCDs:** Are Erosion/Sediment Control Devices (E/SCDs) of appropriate design for the areas they are controlling, properly installed and being maintained? The E/SCDs installed must be described in the SWP3 or E&S Control Plan. Furthermore, design details must meet the minimum design details described in the state stormwater control manual. If alternate control methods were installed: notify the site manager and engineer to confirm the controls installed are sufficiently designed; revise the plans accordingly; or remove and replace insufficient controls. The site has 3 days from discovery to complete applicable repairs and 10 days from discovery to install new controls if warranted.
- **Final Grade:** List any areas at final grade since last inspection. Areas at final grade are not likely to be disturbed again and must be stabilized. See Question # 9 above.
- **Untreated Discharges:** Observations of untreated discharge may include:
 - A sheen indicating petroleum products;
 - Foam or froth indicating a chemical or other discharge;
 - Suspended particles or sludge beneath the surface;
 - Discolored water, including dirty/muddy characteristics of sedimentation;
 - A change in water temperature; and
 - Damaged or stressed vegetation or wildlife.
- **Notification:** Review the inspection findings with a site manager or other responsible person and note this individual.

Checklist Owner: Tara Buzzelli

Local: 8-657-2579

Work: 330-664-2579

Cell: 330-604-8871

Email: Tara.E.Buzzelli@dom.com

Subject Matter Expert: Greg Eastridge

Local: 8-657-2576

Work: 330-664-2576

Cell: 330-571-7855

Email: Gregory.K.Eastridge@dom.com

Date of Last Revision: December 2012

OHIO SWP3 INSPECTION FORM

Site Name: PIR 2303 – Millerton Street SE

Date:

Environmental Inspection Company:

Environmental Inspector:

Qualifications: Completed 8-HR Stormwater Management During Construction Course

Y

N

CESSWI

Y

N

Dominion SWP3 Training

Y

N

Inspector Signature:

Weekly

Monthly

Routine Inspection

Precipitation Event >0.5"

Other

(circle all applicable)

Has it rained since last inspection? *(circle one)*

Yes: Date(s) & Approx. Amount _____

No

Current Conditions: _____

Soil Conditions:

Dry

Wet

Saturated

Frozen

(circle applicable conditions)

Feature ID	BMP, ECD, SCD Applied	Recommendations

BMP: Best Management Practice E/SCD: Erosion/Sediment Control Device SF: Silt Fence SW: Straw Wattle W: Wetland S: Stream
TM: Timber Mat IP: Inlet Protection WB: Water Bar RCE: Rock Construction Entrance ECM: Erosion Control Matting FS: Filter
Sock

Date:

Site: PIR 2303 – Millerton Street SE

Stormwater Pollution Prevention Plan Inspection Form

Construction Inspector(s) On Site:

Unresolved issues from previous inspections:

Are the SWP3, NOI and General Permit Letter on-site? Yes No
If no, explain.

List newly disturbed areas likely to lie dormant for more than 14 days:

Have soil stockpiles been placed at least 50 feet from drainageways?

List construction entrances and SCDs used to prevent tracking into roadway:

Are E/SCDs of appropriate design for area they are controlling, properly installed and being maintained?

List any new areas at final grade since last inspection:

Is the inlet protection of appropriate design?

Were any untreated discharges into streams, wetlands or inlets observed? If yes, document location(s):

Note person(s) notified of any inspection finding(s) and expected date of correction:

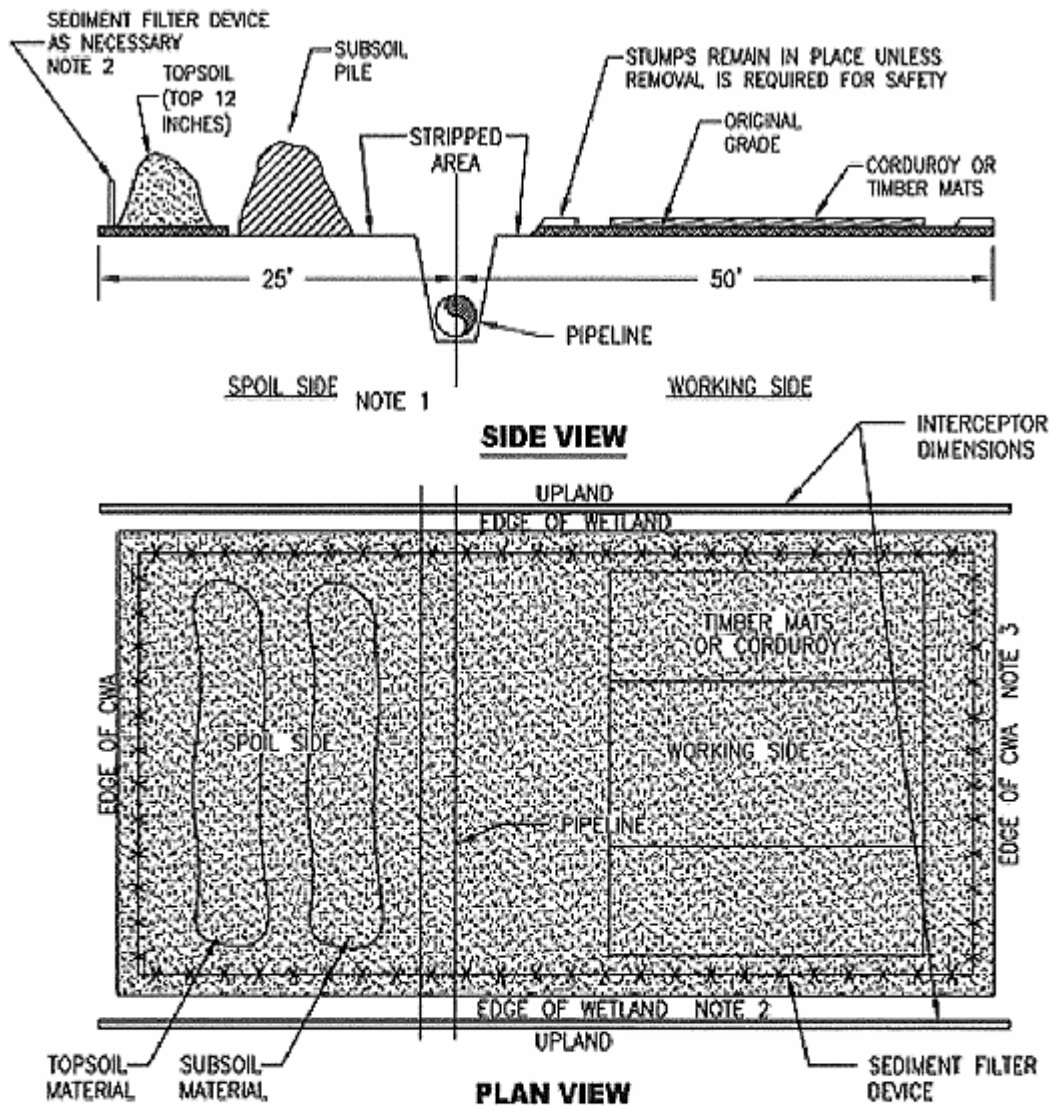
Notes:

APPENDIX G

Typical Wetland Crossing Drawings

DETAIL G-1

TYPICAL CONVENTIONAL WETLAND CROSSING

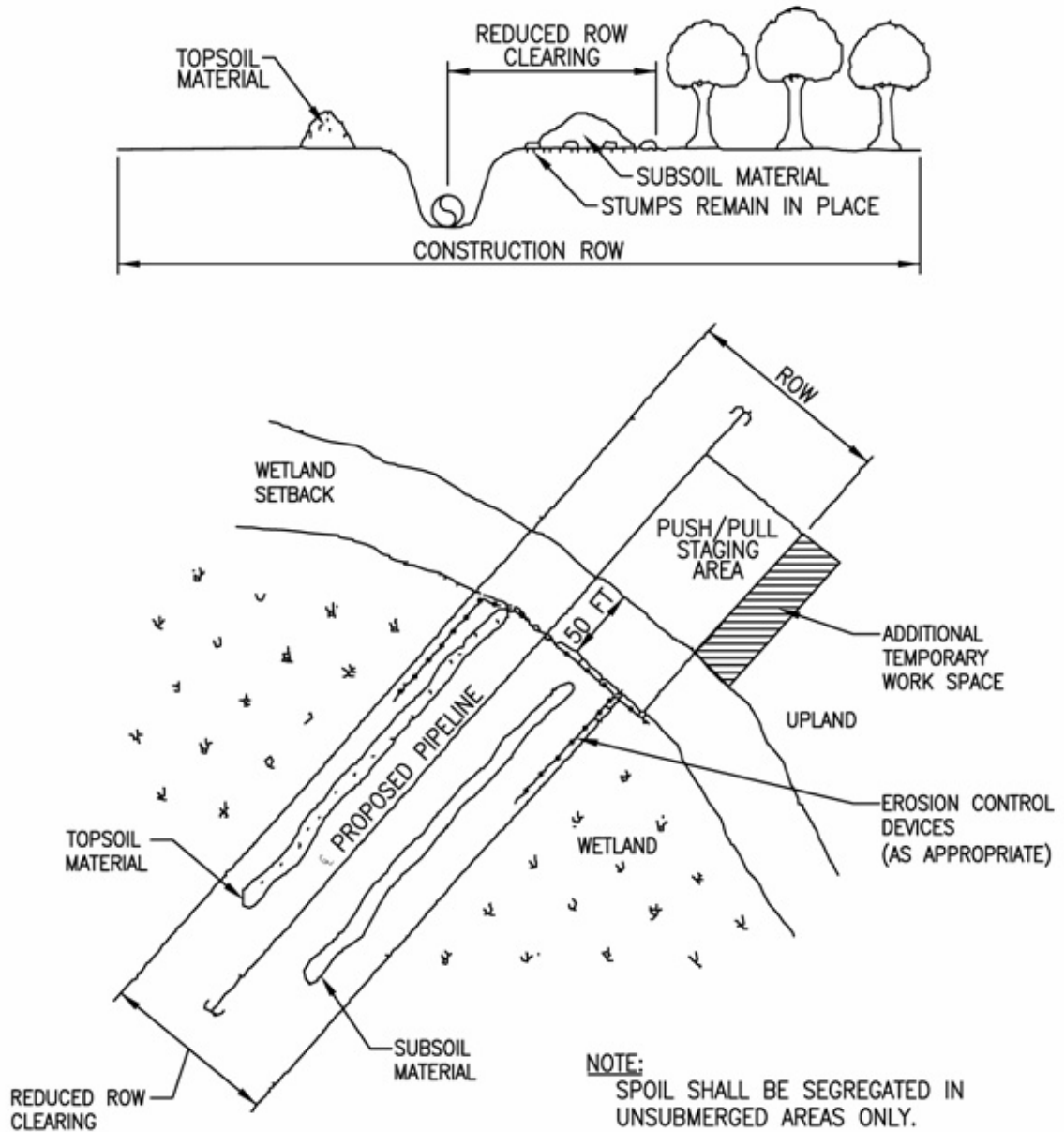


NOTES:

- 1: IN WETLAND AREAS WHICH CONTAIN NO STANDING WATER OR SATURATED SOILS, TOPSOIL (TOP 12 INCHES) AND SUBSOIL SHOULD BE STOCKPILED SEPARATELY WITHIN THE WETLAND CWA. TOPSOIL SHOULD BE DISTINGUISHED FROM SUBSOIL BY A COMMUNICATING DEVICE (FLAGGING, RIBBON, OR OTHER EFFECTIVE DEVICE).
- 2: A SEDIMENT FILTER DEVICE WILL BE PLACED ACROSS THE CWA AT THE WETLAND'S EDGE.
- 3: A SEDIMENT FILTER DEVICE WILL BE PLACED AT THE EDGE OF THE CWA AND AROUND TOPSOIL AND SUBSOIL PILES AS NECESSARY.

DETAIL G-2

TYPICAL PUSH PULL WETLAND CROSSING



APPENDIX H

NOI Application



June 2, 2016

BY US-MAIL, RETURN RECEIPT REQUESTED

7010 1060 0002 1320 4061

Ohio Environmental Protection Agency
Office of Fiscal Administration
PO Box 1049
50 West Town Street, Suite 700
Columbus, Ohio 43216-1049

RE: The East Ohio Gas Company – Pipeline Infrastructure Replacement Program
Construction Storm Water Notice of Intent
PIR 2303 – Millerton Street SE

Dear Sir or Madam:

Please find enclosed a complete Notice of Intent for Coverage under the Ohio Environmental Protection Agency General Permit OHC000004 – Construction Storm Water. The following documents are included for your review:

- Notice of Intent form, Ohio EPA 4494
- USGS topographic map (Canton East quadrangle)
- A check in the amount of \$200.00 made payable to "Treasurer, State of Ohio"

If you have any questions or need additional information, please contact Tara Buzzelli at (330) 664-2579

Sincerely,

Amanda B. Tornabene
Director, Energy Infrastructure Environmental Services

Enclosures

cc: Tara Buzzelli



Division of Surface Water - Notice of Intent (NOI) For Coverage Under Ohio
Environmental Protection Agency General NPDES Permit

(Read accompanying instructions carefully before completing this form.)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's NPDES general permit program. Becoming a permittee obligates a discharger to comply with the terms and conditions of the permit. Complete all required information as indicated by the instructions. Do not use correction fluid on this form. Forms transmitted by fax will not be accepted. A check for the proper amount must accompany this form and be made payable to "Treasurer, State of Ohio." (See the fee table in Attachment C of the NOI instructions for the appropriate processing fee.)

I. Applicant Information/Mailing Address

Company (Applicant) Name: The East Ohio Gas Company

Mailing (Applicant) Address: 320 Springside Drive, Suite 320

City: Akron

State: Ohio

Zip Code: 44333

Contact Person: Tara Buzzelli

Phone: (330) 664-2579

Fax: (330) 664-2669

Contact E-mail Address: Tara.E.Buzzelli@dom.com

II. Facility/Site Location Information

Facility Name: PIR 2303 - Millerton Street SE

Facility Address/Location: Millerton Street SE, Moore Avenue SE, and EOG easements

City: Click here to enter text.

State: Ohio

Zip Code: 44707

County(ies): Stark

Township(s): Canton

Facility Contact Person: Dave Hollendonner

Phone: (330) 664-2677

Fax: (877) 201-8687

Facility Contact E-mail Address: david.hollendonner@dom.com

(For Construction & Coal, must complete
lat/long & attach map) Latitude: 40.77153

Longitude: -81.34906

Receiving Stream or MS4: Sherrick Run (HUC 05040001)

III. General Permit Information

General Permit Number: OHC000004 Construction Storm Water

Initial Coverage: ☒ Renewal Coverage: ☐

Type of Activity: All Construction Storm Water - 1 to 5.99 acres
disturbed Fee = \$200

SIC Code(s): Click here to enter text.

Existing NPDES Permit Number:

ODNR Coal Mining Application Number:

If Household Sewage Treatment System, is system for: ☐ new home construction or ☐ replacement of failed

Outfall:	Design Flow (MGD):	Associated Permit Effluent Table:	Latitude:	Longitude:
#.	Flow.	Choose an item.	Click here.	Click here.

Are These Permits Required? PTI No

Individual 401 Water Quality Certification No

Isolated Wetland No

USACE Nationwide
Permit Yes - Approved

Individual NPDES No

Proposed Project Start Date: 2/01/2017

Estimated Completion Date: 9/15/2017

Total Land Disturbance (Acres): 4.2

MS4 Drainage Area (Sq. Miles):

IV. Payment Information

Check #: 363

Check Amount: \$200.00

Date of Check: 5/26/16

For Ohio EPA Use Only

Check ID (OFA): _____ ORG #: _____

Rev ID: _____ DOC #: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

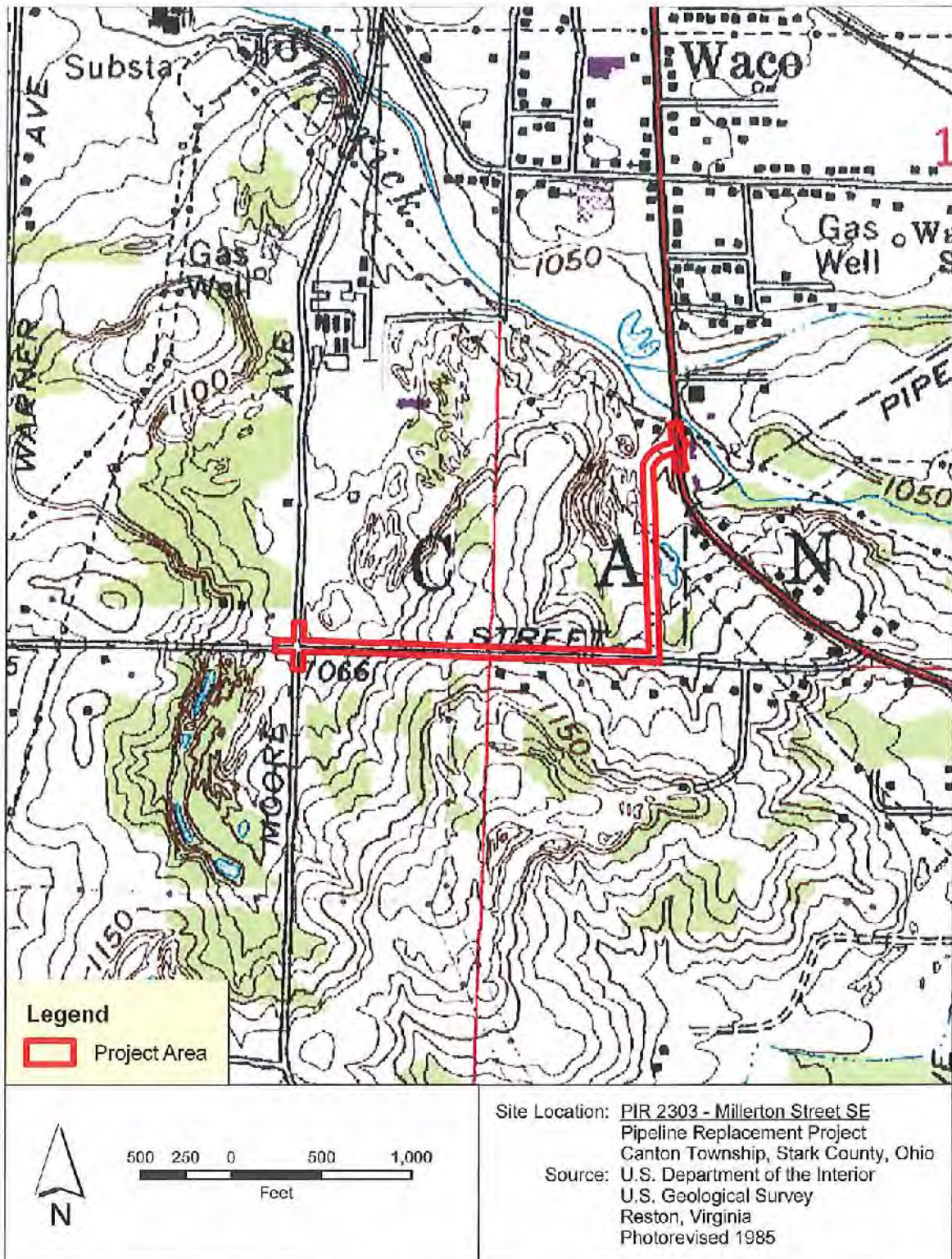
Applicant Name: Paul Johanning

Title: Director, Gas Operations

Applicant Signature: Paul Johanning

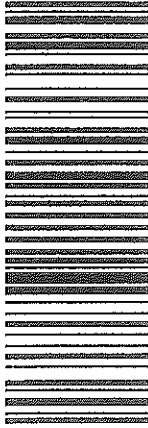
Date: 05-26-16

**Location of Project Area on
USGS 7.5-Minute Topographic Map
(Canton East Quadrangle)**



PLACE STICKER ON TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD IN DOTTED LINE

CERTIFIED MAIL



7010 1060 0002 1320 4061

7010 1060 0002 1320 4061

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent to **Ohio EPA**
 Street, Apt. No., or PO Box No. **PIR 2303 NO1**
 City, State, ZIP+4 **please return to J. Borzelli #1.**

PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. - Print your name and address on the reverse so that we can return the card to you. - Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature ☐ Agent ☒ Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below:
1. Article Addressed to: Ohio EPA Office of Fiscal Administration PO Box 1049 Columbus, OH 43216	3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number (Transfer from service label) 7010 1060 0002 1320 4061	

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

P MARK MESSERSMITH
1001 DOMINION FLEX
 DOMINION-AKRON - 320 SPRINGSIDE
 320 SPRINGSIDE DR
 AKRON OH 44333

Commercial Convenience Check **363**

Date May 26, 2016 68-1/510

Pay to the order of Treasurer State of Ohio \$ 200.00

Two hundred dollars and 00/100 cents Dollars

Bank of America Bank of America, N.A. Richmond, VA

PIR 2303 OH EPA NO1

For Alup #6325 6739

Void after 60 days For Deposit Only

[Signature]

Attachment 3

Stark SWCD SWPPP Checklist



2650 Richville Dr. SE, Massillon, OH 44646
330-451-SOIL (7645)

STORMWATER POLLUTION PREVENTION PLAN (SWP3) CHECKLIST

If a site will disturb 1 acre of land as defined by clearing, grading, grubbing, excavation, demolition, timbering, filling and off-site borrow areas, or is part of a larger common plan of development or sale an SWPPP must be submitted to this office for review and approval prior to disturbance.

PROJECT NAME PIR 2303 - Millerton Street SE

Total ACRES: 6.5 **Disturbed ACRES** 4.2 **NPDES Permit:** Pending
LOCATION of Practice (township/city/village): Canton Township, Ohio
DISCHARGE MS4 OPERATOR: Sherrick Run **WATERSHED:** Tuscarawas River (05040001)
Latitude: 40.77153 **Longitude:** -81.34906
Parcel #: N/A **Does this site discharge into the MS4 Operator** ☒ Yes ☐ No

CONTACT INFORMATION

Owner / Developer

Company The East Ohio Gas Company
Contact Tara Buzzelli
Address 320 Springside Drive, Suite 320
Akron, Ohio, 44333
Tel # (330) 664-2579
Email tara.e.buzzelli@dom.com

Engineer

Company The East Ohio Gas Company
Contact Dave Hollendonner
Address 320 Springside Drive, Suite 320
Akron, Ohio, 44333
Tel # (330) 664-2677
Email david.hollendonner@dom.com

Contractor

Company TBD
Contact _____
Address _____

Tel # _____
Email _____

NOTE: There is a minimum review charge of \$100.00 for sites 1-5 acres.

Plan Review	Review Fee
Preliminary Plan *	\$15.00 / acre Minimum charge - \$75.00
Storm Water Pollution Prevention (SWP3) Plan	\$20.00 / acre Minimum charge - \$100.00

Site Inspections	Inspection Fee
Sites 1 – 4.9 acres	\$250.00
Sites 5 –9.9 acres	\$800.00
Sites 10 – 19.9 acres	\$1300.00
Sites 20 – 49.9 acres	\$1700.00
Sites larger than 50 acres	\$2000.00
Sites in non-compliance with the regulations will incur an additional inspection fee of \$45.00 per/hr.	

GENERAL REQUIREMENTS: Stark Soil & Water Conservation District must receive 1 set of the Storm Water Pollution Prevention (SWPPP) Plan (24x36) including construction plans and one 11x17 (sent PDF preferred). Include a copy of the Stark County Earth disturbance application. In a village or city, the Village/City Engineer must receive an SWPPP. The District will review, approve or send comments for revisions within 30 working days after submittal. The SWPPP will be valid for 2 years. The developer must apply for a Notice of Intent (NOI) from Ohio EPA if applicable and a copy sent to this office. An approved plan & pre-construction meeting are required before any earthmoving is started. It is the developer's responsibility to contact the SWCD. Please call 330-451-7644 or 330-451-SOIL (7645) with any questions.

MINIMUM STANDARDS – The Storm Water Pollution Prevention Plan (SWPPP) must address all minimum technical components of the most recent NPDES Construction General Permit and conform to the specifications of the Stark County Water Quality Regulations and/or city/village (the stricter regulation applying).

Submitted Plans must include:

- **Fees** – All review/inspection fees must be paid prior to approval. The chart on the prior page is separated into Plan Review fees and Inspection fees. If your plan was submitted to the Stark County Regional Planning Commission, a preliminary fee will be charged.
- **Contractor Information**- Contact information of the contractor who will be responsible for implementing (*installing & removing practices*) the SWP3 Plan and write the inspection reports. NOTE: If the contractor is unknown at the time of plan review the information will be required before a pre-construction meeting is scheduled.
- **Vicinity Map** – Location map showing site in relation to surrounding area. Include Location of receiving streams/surface waters
- **Limits of Clearing and Grading Plan** – Clearly indicate limits and show acreage of earth disturbing activity. Show borrow, spoil and topsoil stockpile areas. Include before and after contours with appropriate contour intervals. Delineate drainage watersheds, indicating acreage of each area.
- **Project Description** – Briefly describe the nature, purpose and scope of the land disturbing activity. Include total area of site and acreage's of individual phases if applicable. Include a narrative describing the overall erosion and sediment control scheme for this site.
- **Soils Information** – Show unstable or highly erodible soils as determined by the USDA Natural Resource Conservation Service Soil Survey websoilsurvey.nrcs.usda.gov and/or soil tests. Show location of any soil test borings on plan. Other soils information such as permeability, perched water table, etc. may be mentioned.
- **Surface Water Locations** – Show locations of all lakes, ponds, surface drainage Patterns, wetlands, spring, etc. on or within 1000 feet of the site. If storm water will be discharging into a municipal separate storm sewer system or into a storm water management structure such as a retention basin that is off the site, clearly indicate this on the plans.
- **Site Development** – Show locations of all existing and proposed buildings, roads, Utilities, parking facilities, etc.
- **Schedule of Construction Activity & Sequencing** – Included in this should be a schedule for implementing temporary and permanent erosion and sediment control practices and storm water management facilities. Include when the project will begin and its proposed completion. Note any major activities (site grading). The NPDES permit requires that all sediment ponds and perimeter barriers be constructed within 7 days of first grubbing. All sediment control structures must remain functional until upland areas are stabilized.
- **Location of Practices** – Show locations of all structural erosion and sediment control, storm water management, and water quality practices, including post-construction best management practices. Water ponding facilities should be drawn to scale, with the area of the contributing watershed given.

- **Detail Drawings** – All practices should be explained with the detail drawings & specifications. Installation specifications are necessary to aid the contractor. Include outlet structures for retention, detention facilities, cross sections and any special modifications to these structures to aid in improved sediment trapping capability. All BMP's indicated on the SWPPP must have a detail and installation requirements.

- **Land Stabilization Measures** – Provide specifications for temporary and permanent seeding, mulching, blanketing, etc. and also installation schedule for each practice. Temporarily stabilize disturbed areas that will remain idle for 14 days or longer within 7 days of last disturbance or within 2 days for areas within 50' of a stream. Permanently stabilize disturbed areas within 7 days of reaching final grade. Erosion control blankets and matting should be used to stabilize channels where the flow velocity is greater than **3.5 ft/sec.**, steep slopes, on highly erosive soils and on areas slow to establish a vegetative cover.

- **Special Notes for Critical Areas** – Include pertinent information regarding stream bank stabilization, riparian corridors, buffer areas, stream restoration plans, and wetland areas.

- **Existing Natural Areas** – Show existing or unusual vegetation, wetlands, springs, rock outcroppings, etc. Include vegetation to remain (trees, buffer areas, etc.)

- **Maintenance and Inspections** – Provide notes and information regarding maintenance of each practice to assure continued performance. Erosion and sediment control must be inspected once every 7 days and with 24 hours of 0.5" or greater rainfall. A written log of these inspections must become part of the SWPPP. This log should indicate the dates of inspection, inspector weather conditions, observations, actions taken to correct problems, and the date action was taken. These logs (reports) must be kept on site with the SWPPP.

- **Permits** – A copy of both the Ohio EPA's NPDES NOI Permit and the Stark County Earth Disturbance Permit must be submitted before approval can be given. You may obtain additional information, copies of the permit and current forms / instruction from the EPA's website at <http://epa.ohio.gov/dsw/storm/index.aspx>. The Stark County Earth Disturbance Permit can be downloaded from our website at: <http://www.starkswcd.org/#!/dlc/cw1u>

- **Storm Water Runoff Considerations and Post-Construction BMPs** Large and Small sites—Show the pre and post-construction runoff coefficients including information such as the method used to calculate runoff and the water quality orifice (if applicable). Reference the Stark County Storm Water Quality Regulations for further water quality design requirements. If the site is a redevelopment site, indicate how this was determined. Include a narrative describing post construction storm water quality BMP's. The plan must describe the post construction BMPs used for the site and the rationale for their selection. If the site is exempt from providing water quality treatment post construction, cite the exemption on the plan. If the site is considered a small construction site (over 1 acre less than 5) explain the water quality practice chosen and why. A separate long term maintenance plan is also required (as indicated on this check list). Show the locations of all storm water quality practices. Include vegetation to remain (trees, buffer areas, etc.). Storm Water quantity approvals must be received by the reviewing agency (city engineer, sub-division engineer, village engineer).
- **NOTE:** Any underground system being proposed for a large construction project (over 5 acres) must be approved by OHIO EPA. All underground systems for small sites (1-5 acres) must show test results that meet OEPA's guidelines.
- **Sediment Ponds or Traps** – Calculations must be shown for all temporary or permanent sediment ponds or traps and any retention/detention facilities to be used for this purpose. A surface dewatering device shall be used. The minimum total design volume for ponds used for the purpose of trapping sediment shall have 2 components, the dewatering zone and the sediment storage zone. The volume of the dewatering zone shall be a minimum of 1800 cubic feet (67 cubic yards) per acre of total drainage area to the pond. The volume of the sediment storage zone shall be 1000 cubic feet (37 cubic yards) per disturbed acre within the watershed of the basin. (Note: for design information see the Ohio Rainwater & Land Development Manual or OEPA Construction General Permit). Don't forget the minimum length to width ratio from the inlet into the basin to the outlet (3:1 preferred).
- **Solid, Sanitary, Construction and other Waste Material** – Waste material must be disposed of in a proper manner in accordance with local, state, and federal regulations. It is prohibited to burn, bury or pour out onto the ground or into the storm sewers any solvents, paints, stains, gasoline, diesel fuel, used motor oil, hydraulic fluid, and antifreeze, cement curing compounds and other such toxic or hazardous wastes. Show the location and description of any storm water discharges associated with dedicated asphalt and dedicated concrete plants covered by this permit and the best management practices to address pollutants in these storm water discharges. Wash out of cement trucks should occur in a diked, designated area where the washings can collect and be disposed of properly when they harden. Storage tanks should be located in diked areas away from any drainage channels. Show the location of all construction entrances. Show lay down areas and areas designated for storage of supplies, fuel, paints & dumpsters.

- **Plan Certification** – The plan must include the following verbiage: “*I, the undersigned, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*” This statement must be dated and signed by all applicable parties with indication of what activity they are responsible for.

- **Transportation Projects-** The construction of new roads and roadway improvement projects by public entities (i.e., the state, counties, townships, cities, or villages) may implement *post-construction* BMPs in compliance with the most current version of the Ohio Department of Transportation’s “Location and Design Manual, Volume Two Drainage Design” that has been accepted by Ohio EPA as an alternative to the conditions of the OEPA Construction General Permit (most current version OHC000004). The Storm Water Pollution Prevention Plan must contain all items as listed in PART III. Storm Water Pollution Prevention Plan (SWP3) in the most current Construction General Permit.

- **Long Term Maintenance Plan** –. Detail drawings and maintenance plans shall be provided to Stark SWCD and/or the local MS4 Operator for all Post-Construction Best Management Practices (BMP's) prior to plan approval and shall include the following information:
 - Cover sheet listing MS4 Operator, site location site name and date (signed and dated).
 - Name and number of the party or association responsible for post construction long term maintenance (the association must be legally recorded).
 - List of all post-construction BMP’s, structural and non-structural with all supporting design data needed to maintain the practice correctly.
 - Instructions on how and when the practices are to be maintained along with an inspection schedule.
 - A detail drawing of the BMP’s listed.
 - A copy of any required easements.

Maintenance plans must ensure that pollutants collect within structural Post-Construction BMP practices is disposed of in accordance with local, state and federal guidelines.

Stark County Water Quality Regulations- www.starkswcd.org

OEPA Post Construction Q & A Document-
<http://www.epa.ohio.gov/portals/35/storm/CGP-PC-Q&A2.pdf>

OEPA Construction General Permit:
http://epa.ohio.gov/Portals/35/permits/OHC000004_GP_Final.pdf

Faircloth Skimmer Checklist

- ☐ The minimum sediment storage volume is correctly calculated (1000 CF per acre disturbed area)
- ☐ The minimum dewatering volume is correctly calculated (67 CY per acre drainage area)

Is the elevation that achieves the top of the sediment storage volume (bottom of the dewatering volume) higher than the outlet structure invert on which the skimmer will be attached?

- ☐ No – OK (see note regarding winter months)
- ☐ Yes – a pedestal is provided with a top elevation that corresponds with the top elevation of the required sediment storage volume (bottom of the dewatering volume). NOTE: if the skimmer will remain operational in winter months, the pedestal should be slightly higher so as to maintain positive slope on the barrel at all times).

Based on the on-line spreadsheets found at <http://www.fairclothskimmer.com/skimmer-sizing>

- ☐ Proposed skimmer size is based on the minimum required dewatering volume (any extra volume that is provided is acceptable, but should not be figured into sizing the skimmer)
- ☐ Proposed skimmer size and orifice is correct (based on a minimum 48-hr drawdown)

Based on the following table:

- ☐ Correct barrel length is specified
- ☐ Correct stub size is specified on the outlet structure (reducers may be specified)

Skimmer Size (Faircloth)	Arm Length – SCHD 40 PVC (1.4X the depth of the dewatering volume is recommended)	Coupling size included (stub size that should be provided on outlet structure)
1.5"	6-ft MAXIMUM	4"
2"	6-ft MINIMUM	4"
2.5"	6-ft MINIMUM	4"
3"	8-ft MINIMUM	4"
4"	8-ft MINIMUM	4"
5"	8-ft MINIMUM	6"
6"	8-ft MINIMUM	6"
8"	8-ft MINIMUM	8"

- ☐ A detail is provided that includes sufficient notes regarding installation, maintenance, disposal and removal criteria

P MARK MESSERSMITH
1001 DOMINION FLEX
DOMINION-AKRON - 320 SPRINGSIDE
320 SPRINGSIDE DR
AKRON OH 44333

Commercial Convenience Check **364**

May 26, 2016 88-1/510
Date

Pay to the
order of

Stark SWCD \$ 350.00
Three hundred fifty dollars and no/cent Dollars

Bank of America



Bank of America, N.A.
Richmond, VA

PIR 2303 Stark SWPPP
For MWO #6325 6739

Void after 60 days
For Deposit Only

P Mark Messersmith MP

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STARK SOIL & WATER CONSERVATION DISTRICT

2650 RICHVILLE DR SE, SUITE 100, * MASSILLON, OH 44646 * (330) 451-7645

FAX:

APPROVAL LETTER

ATTACHMENT F-2

June 8, 2016

Ms. Tara Buzzelli
Dominion East Ohio Gas
320 Springside Drive, Suite 320
Akron, OH 44333

Re: DOM PIR 2303 - Millerton St. SE
Approval Letter - Submittal #1

Dear Ms. Buzzelli:

The Storm Water Pollution Prevention Plan has been reviewed and approved and will be used as a reference when inspection this site during construction.

1. Please supply a copy of the Ohio EPA NPDES permit to our office once received.
2. A pre-construction meeting is required before any earthmoving operations begin. Please contact our office at 330-451-SOIL (7645) or myself at the number below to schedule a time.

If you have any question about this review, please contact me at 330-451-7644 or rich.rohn@starkswcd.org.

Sincerely,



Rich Rohn
Urban Program Specialist

cc: Jeff Yeraim, Canton Township
Jon Smith, Canton Township
Dave Hollendonner, Dominion East Ohio Gas

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/22/2016 8:49:17 AM

in

Case No(s). 16-2405-GA-BNR

Summary: Text Dominion East Ohio's Construction Notice for PIR 2303 Pipeline Replacement Project - Part 1 electronically filed by Teresa Orahod on behalf of Sally W. Bloomfield