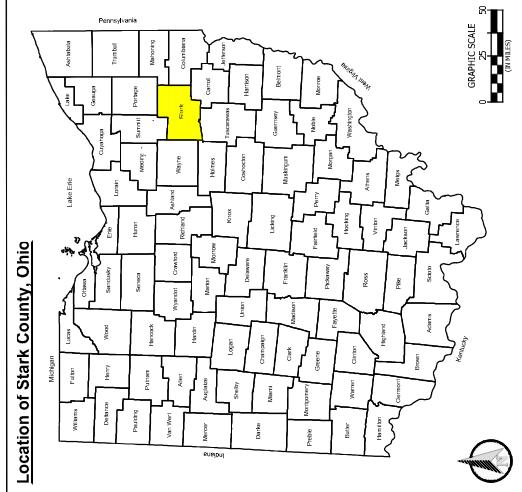
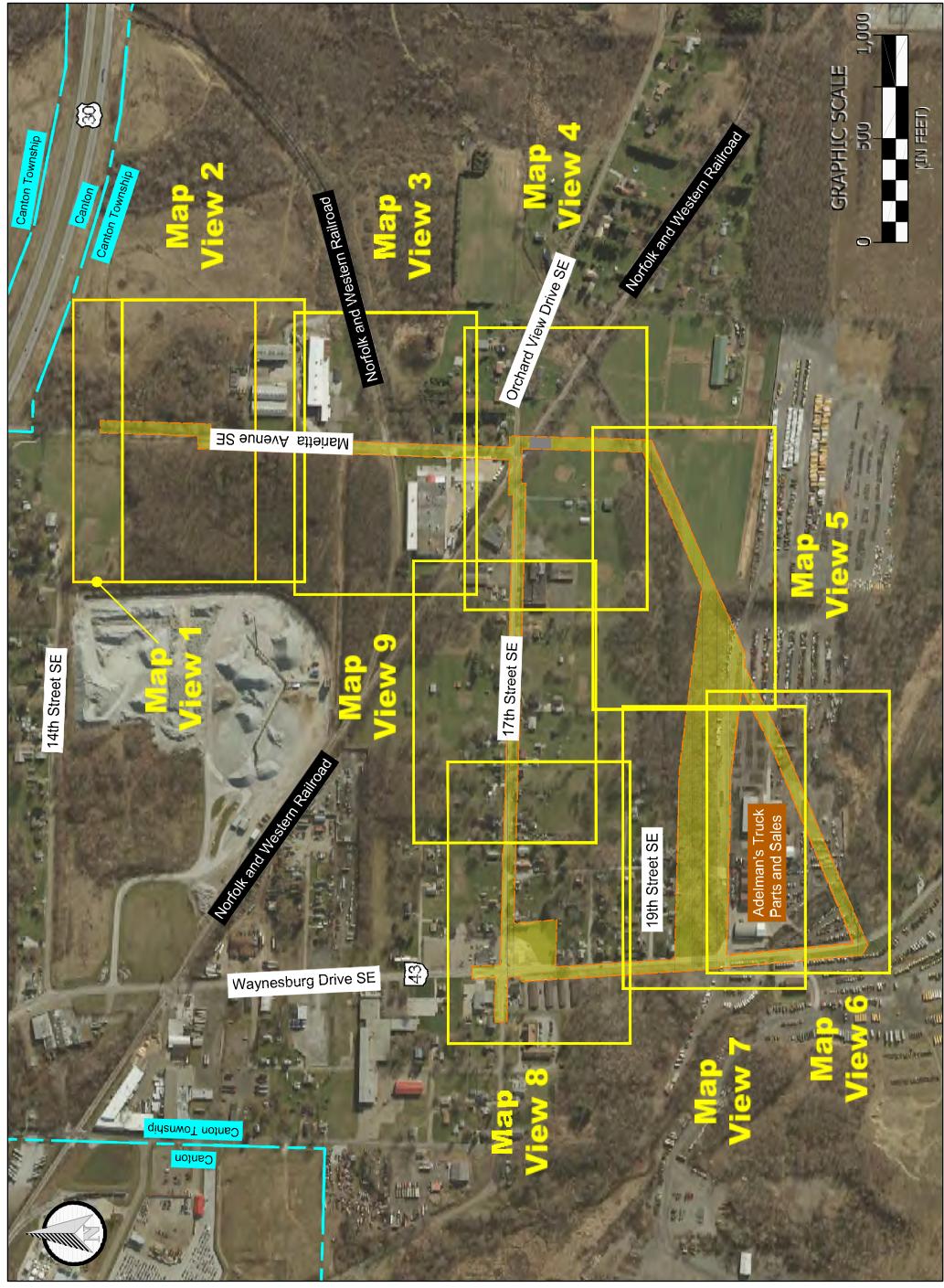

APPENDIX C

Detailed Erosion and Sediment Control Location Drawings

Map View Location Map



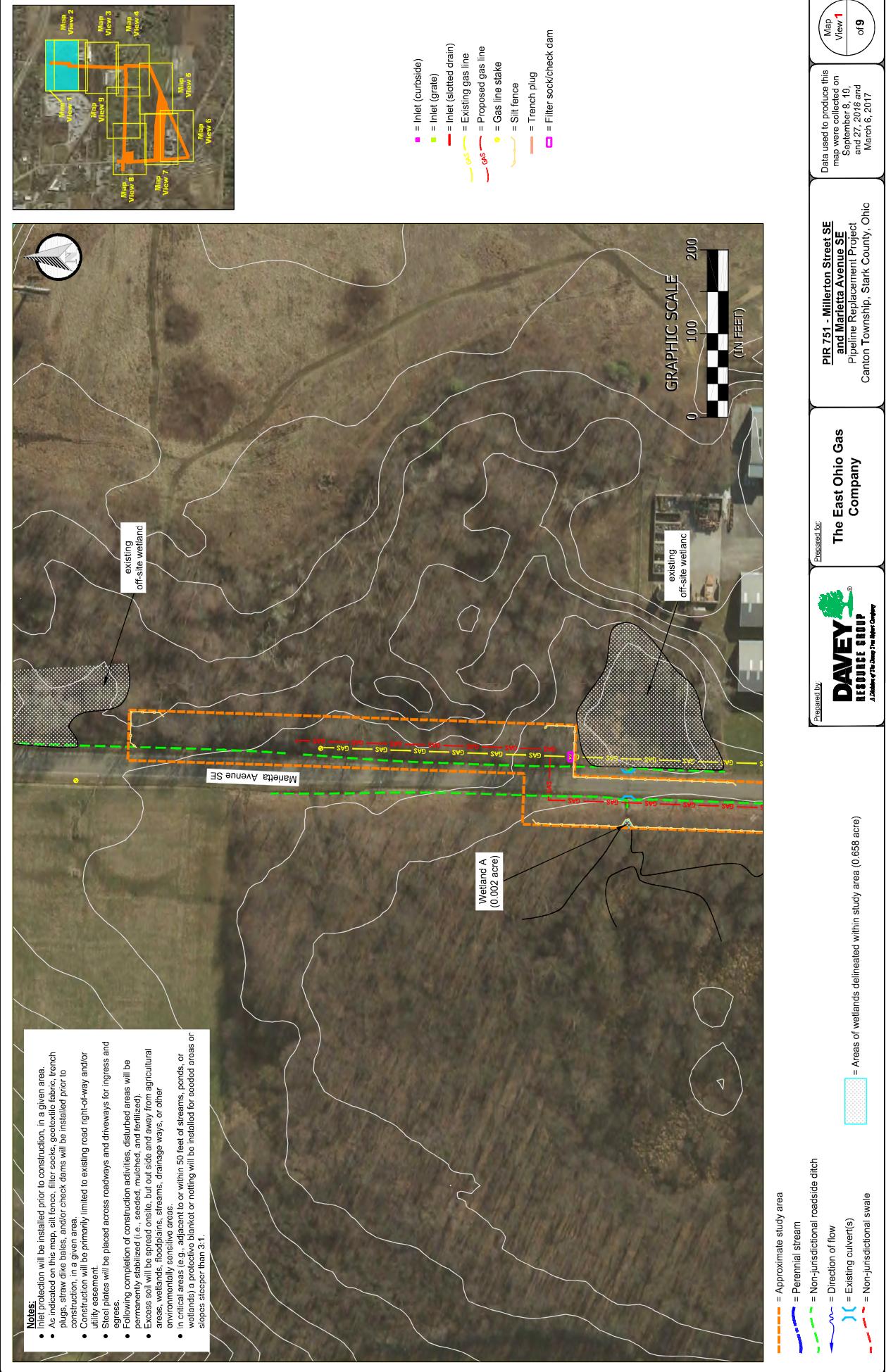
The information presented is not a survey or engineering product, and should not be used for any purpose provided by applicable law or regulation that requires a surveying or engineering license.

Yellow box = Approximate study area

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

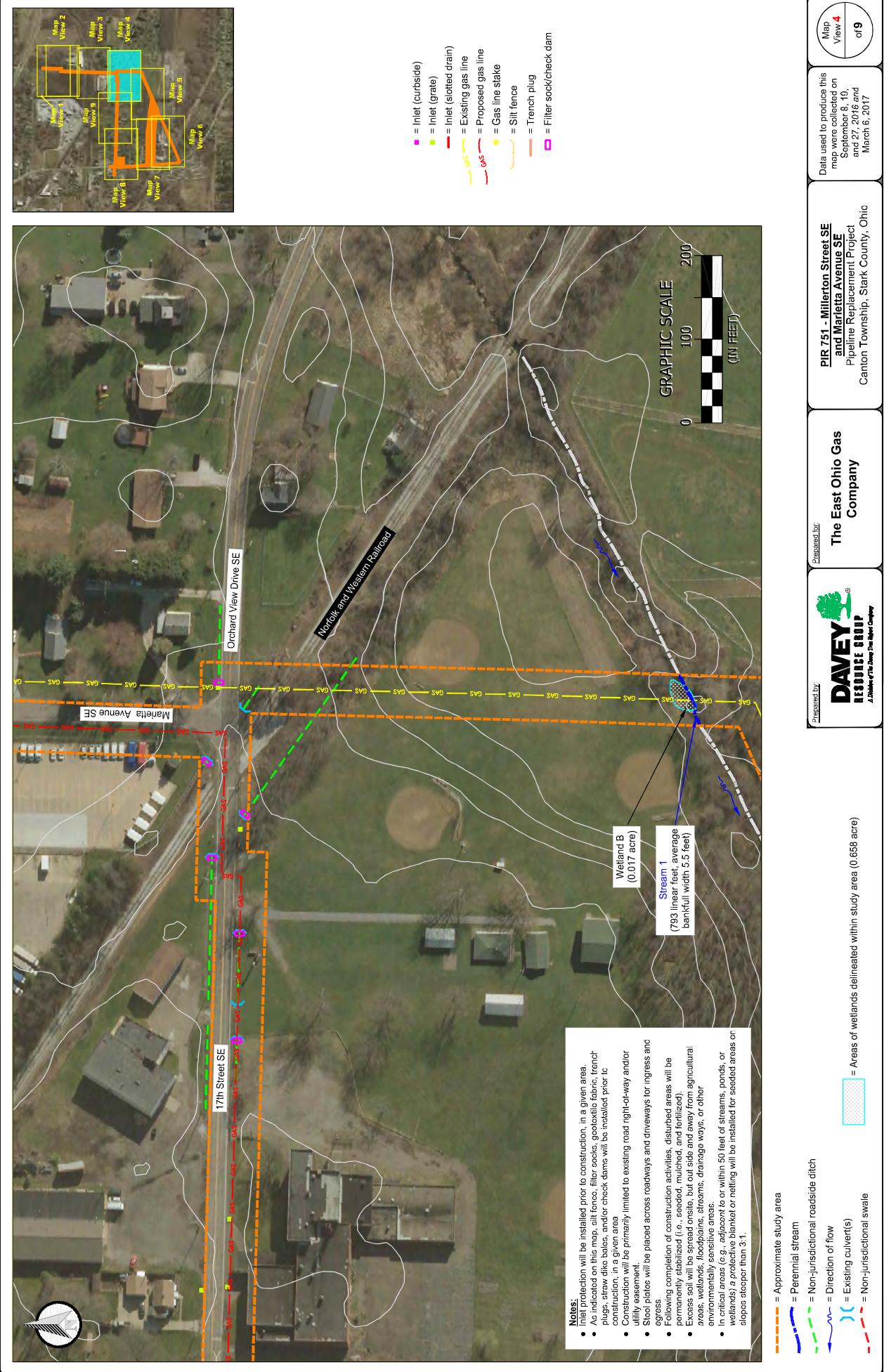
Data used to produce this map were collected on September 8, 10, and 27, 2016, and March 6, 2017
PIR 751 - Millerton Street SE and Mareeta Avenue SE Pipeline Replacement Project
Canton Township, Stark County, Ohio

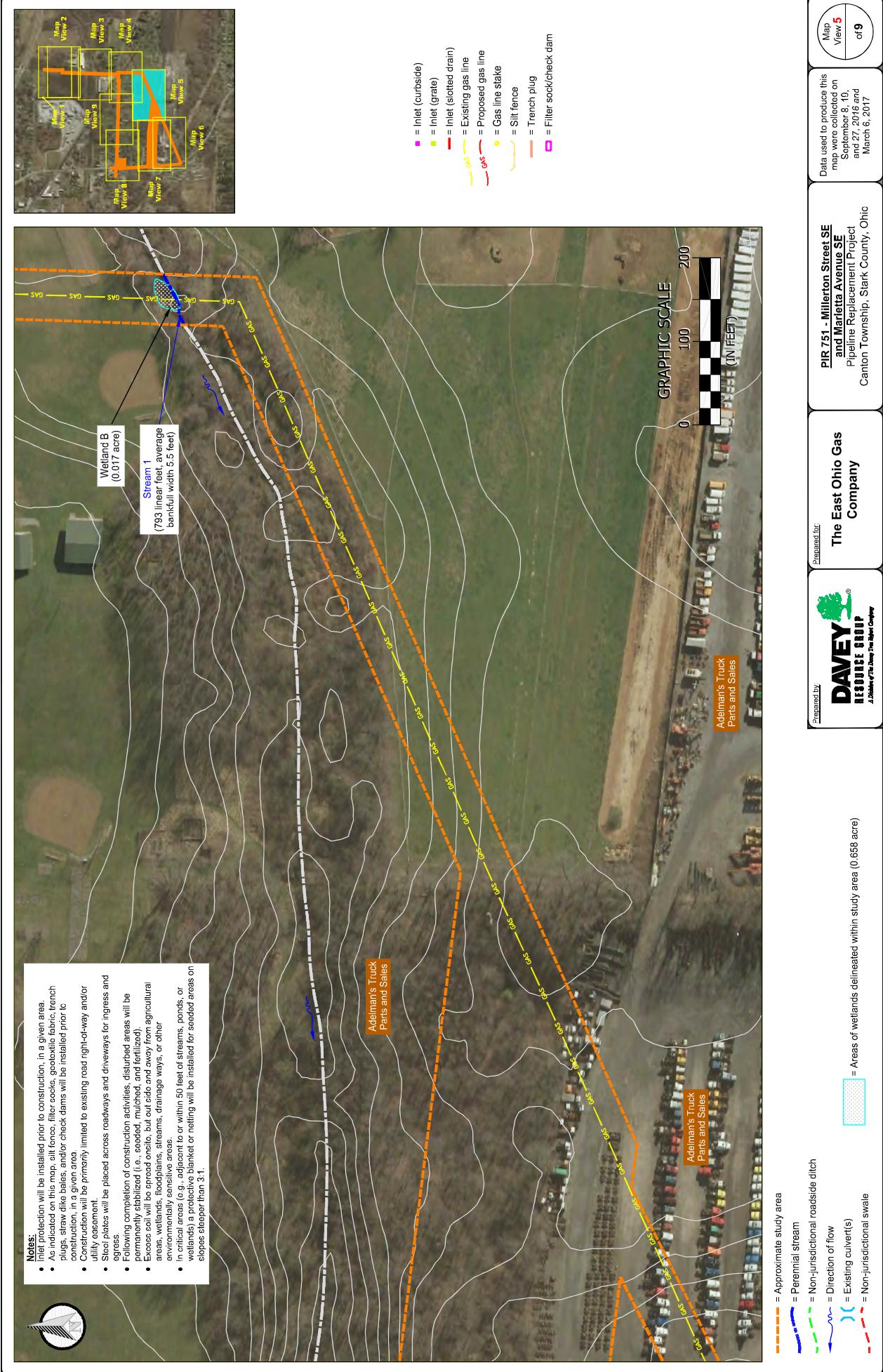
Location Map

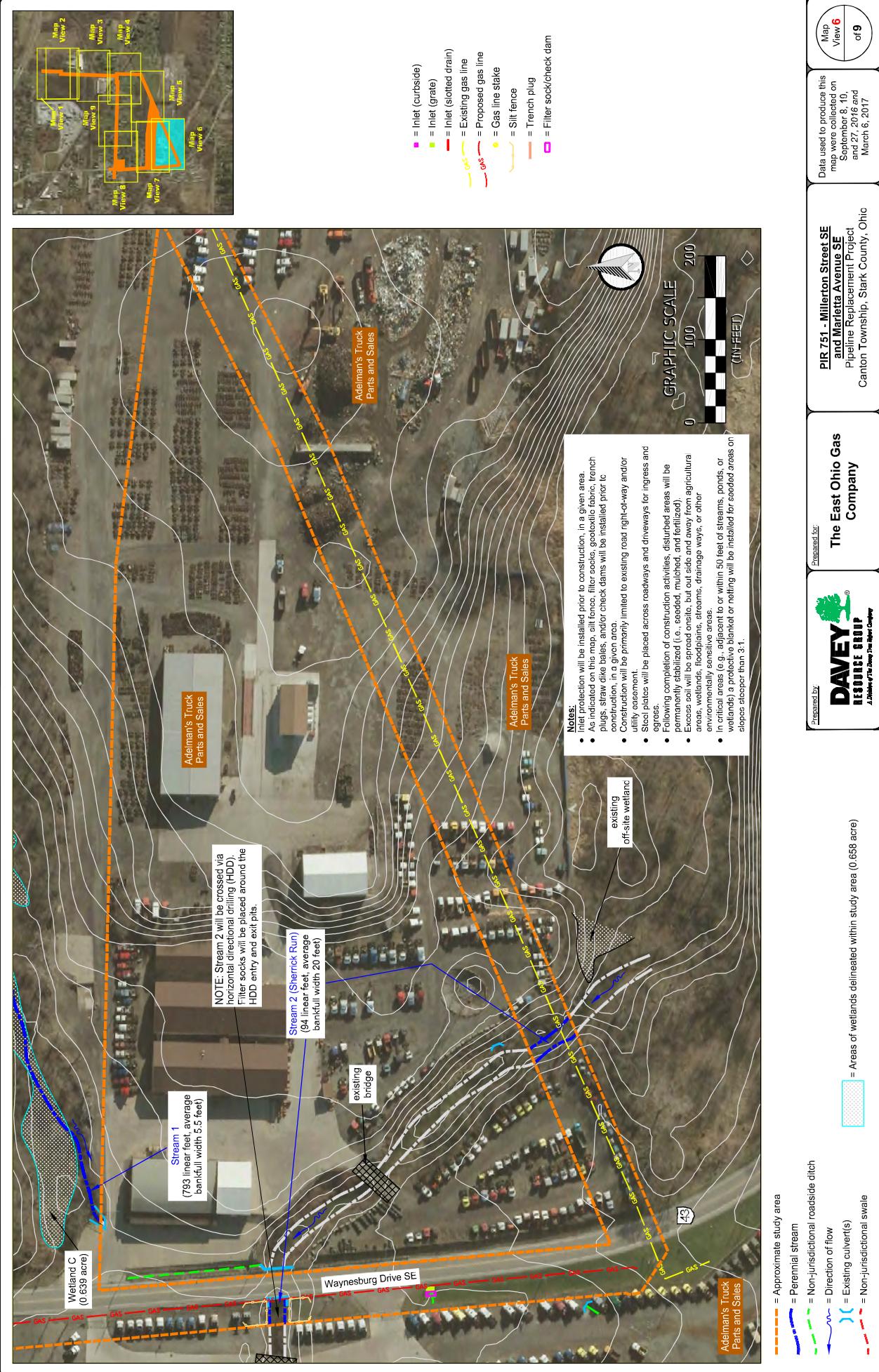


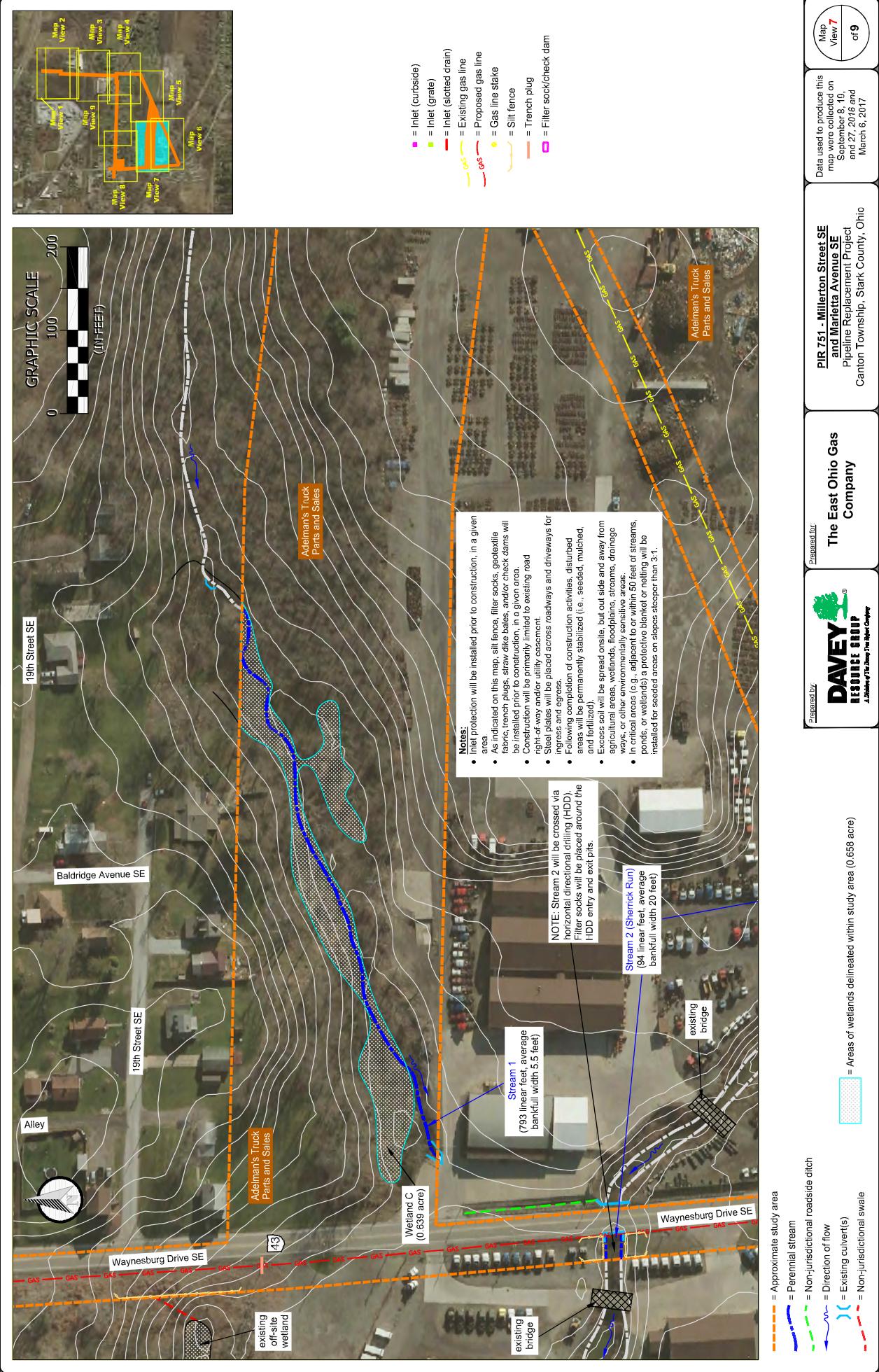


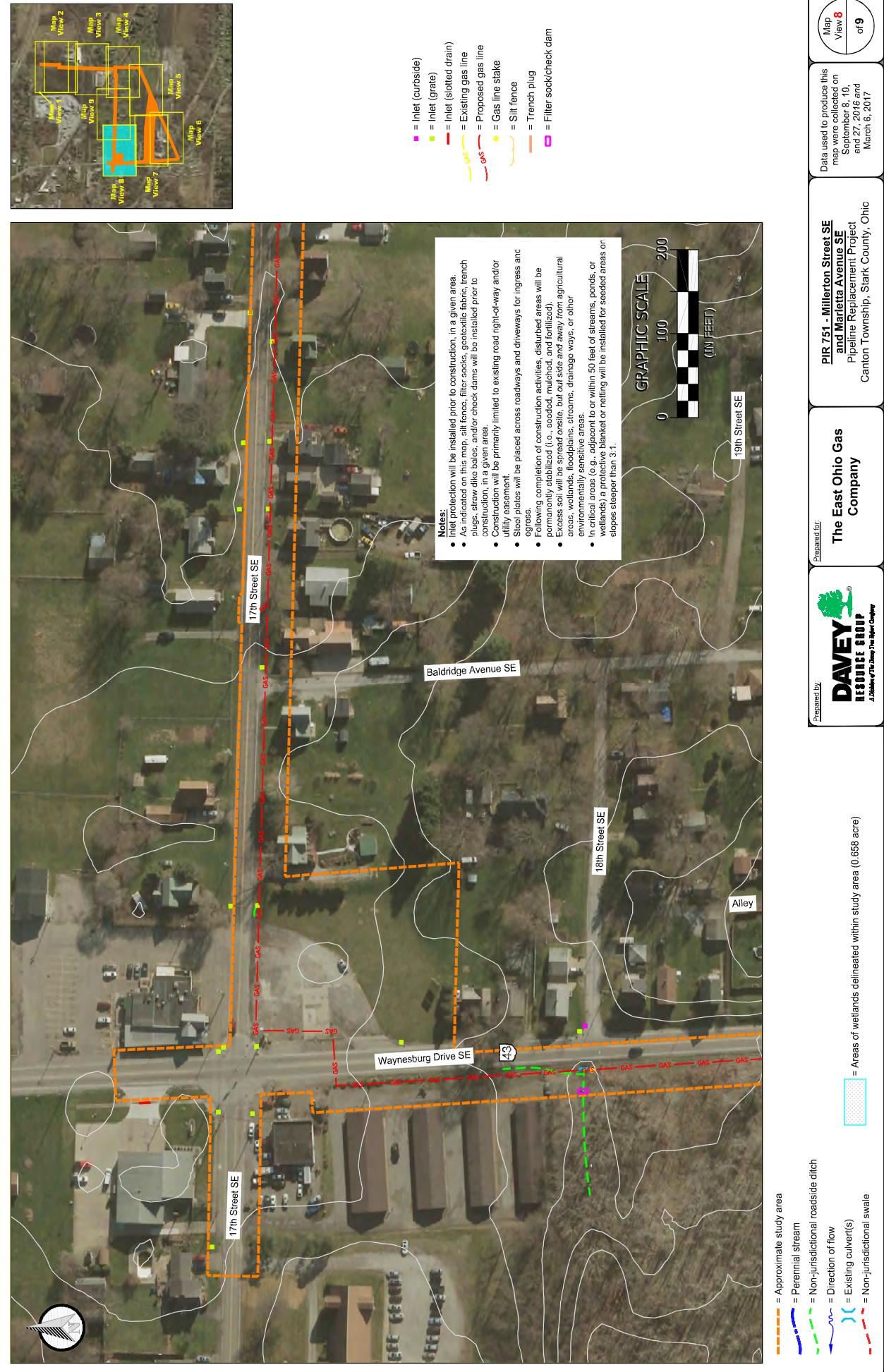


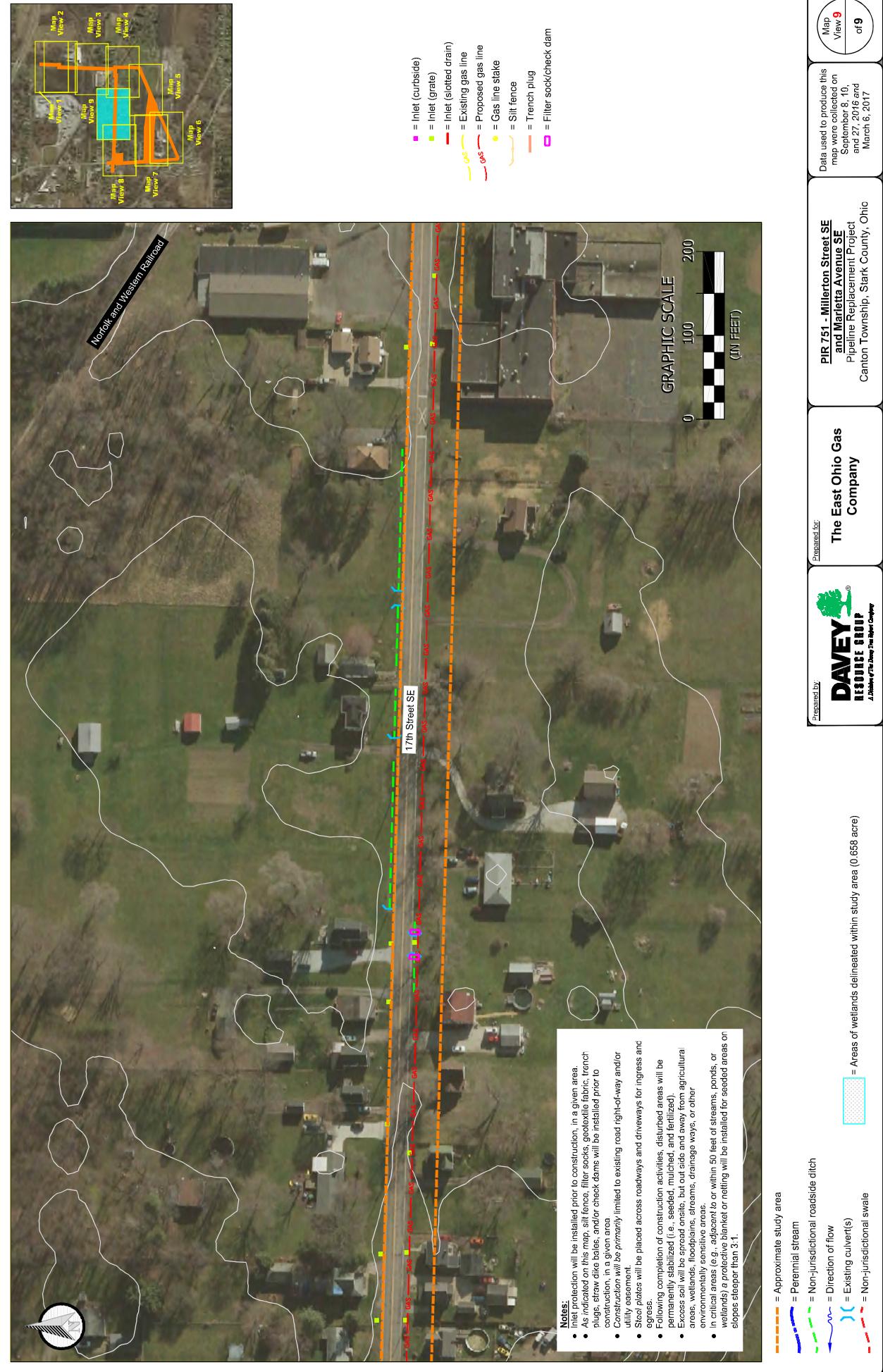










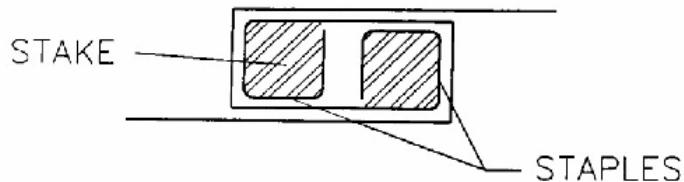


APPENDIX D

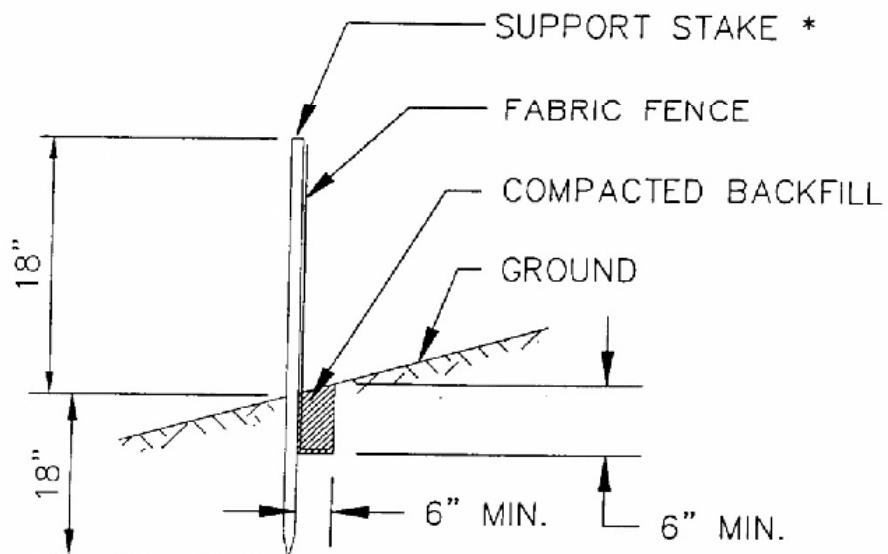
Typical Erosion and Sediment Control Drawings

DETAIL D-1

FILTER FABRIC FENCE DETAIL



JOINING FENCE SECTIONS



*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.

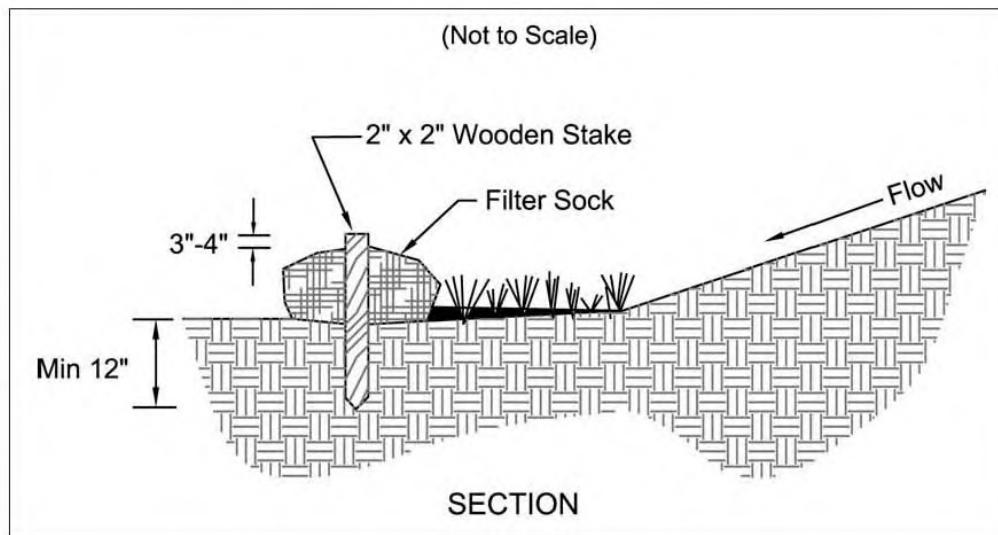
Trench shall be backfilled and compacted to prevent runoff from cutting underneath the fence.

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 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.

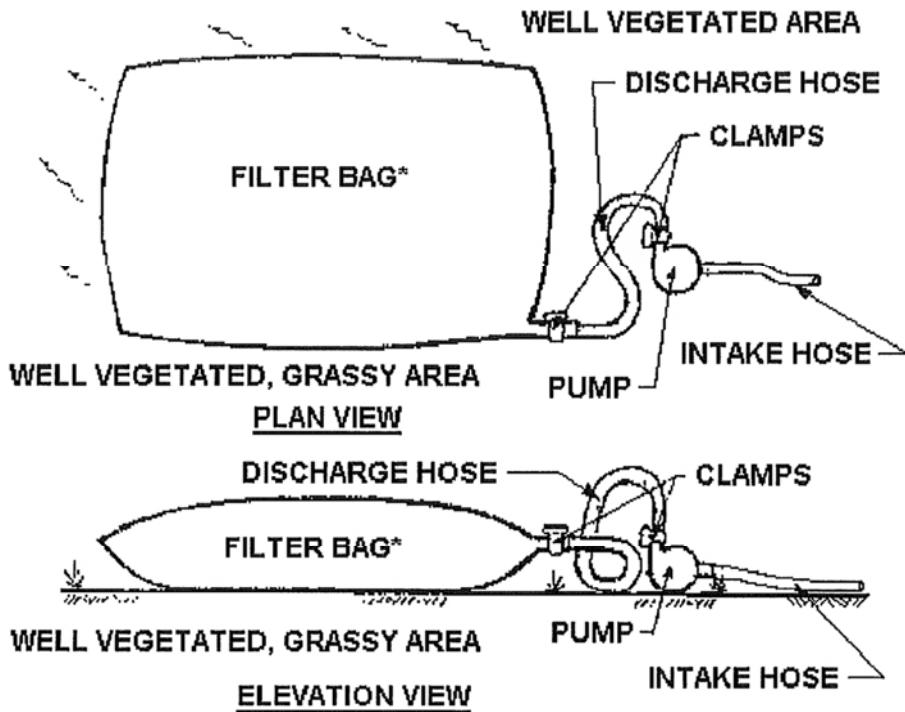
5. Filter Socks are not to be used in concentrated flow situations or in runoff channels.

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 a way as to facilitate and not obstruct seedlings.

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%.

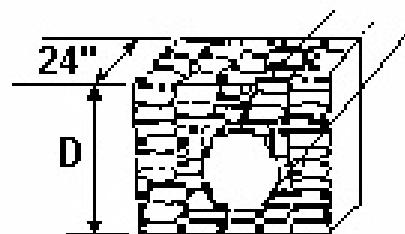
For hydrostatic discharge, the pumping rate is 350-500 gallons per minute (gpm). For trench dewatering, the pumping rate shall be no more than 750 gpm. Floating pump intakes should be considered to allow sediment-free water to be discharged during dewatering.

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

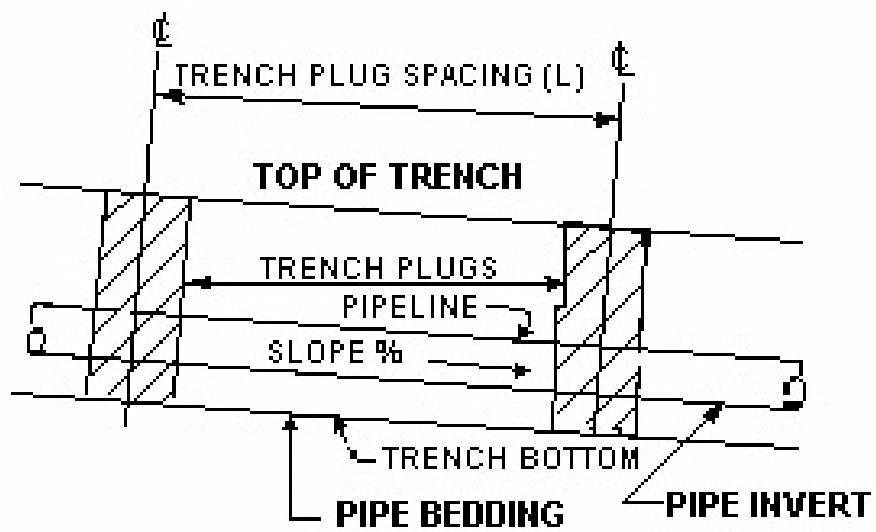
DETAIL D-4

TRENCH PLUG INSTALLATION DETAIL

D - DEPTH TO BOTTOM OF TRENCH



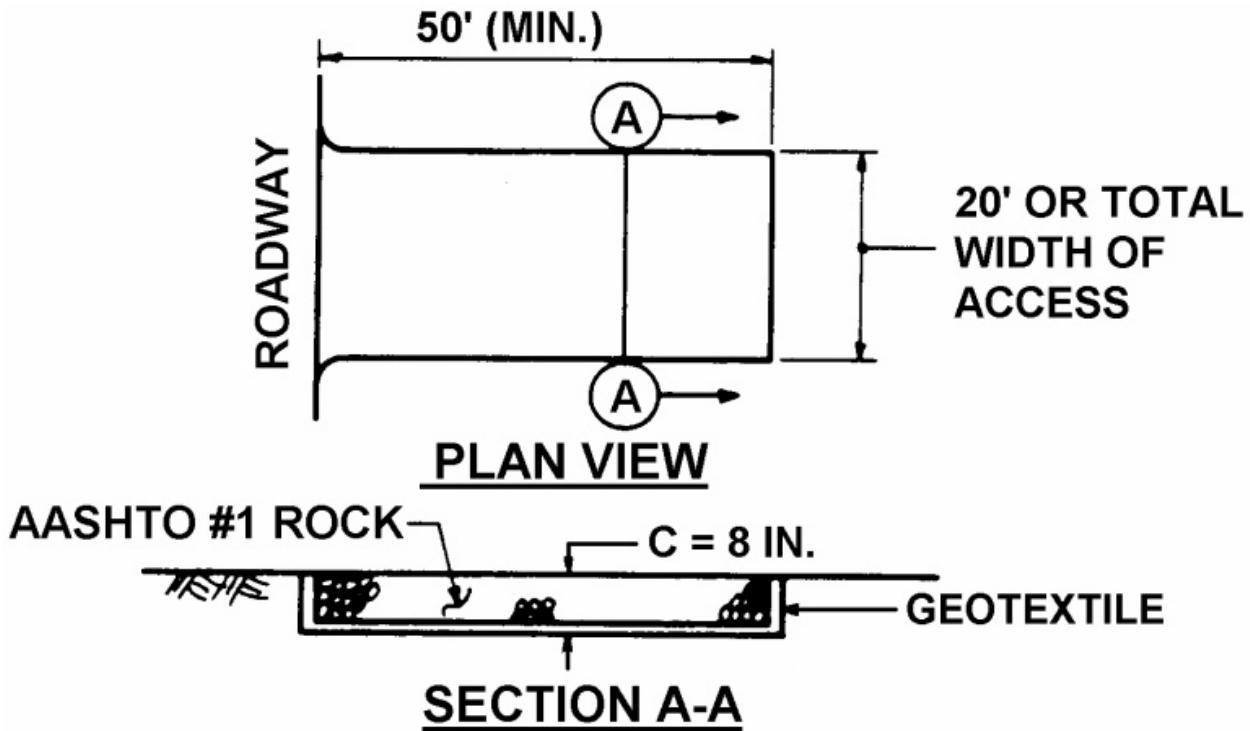
SECTION VIEW
NOT TO SCALE



ELEVATION
NOT TO SCALE

DETAIL D-5

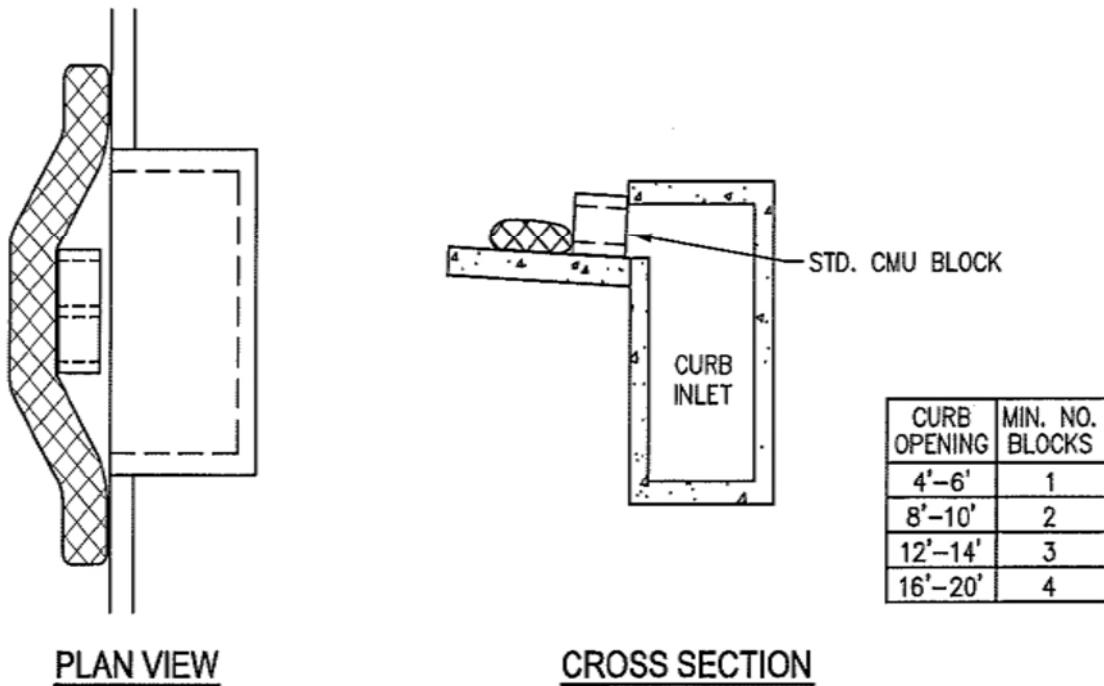
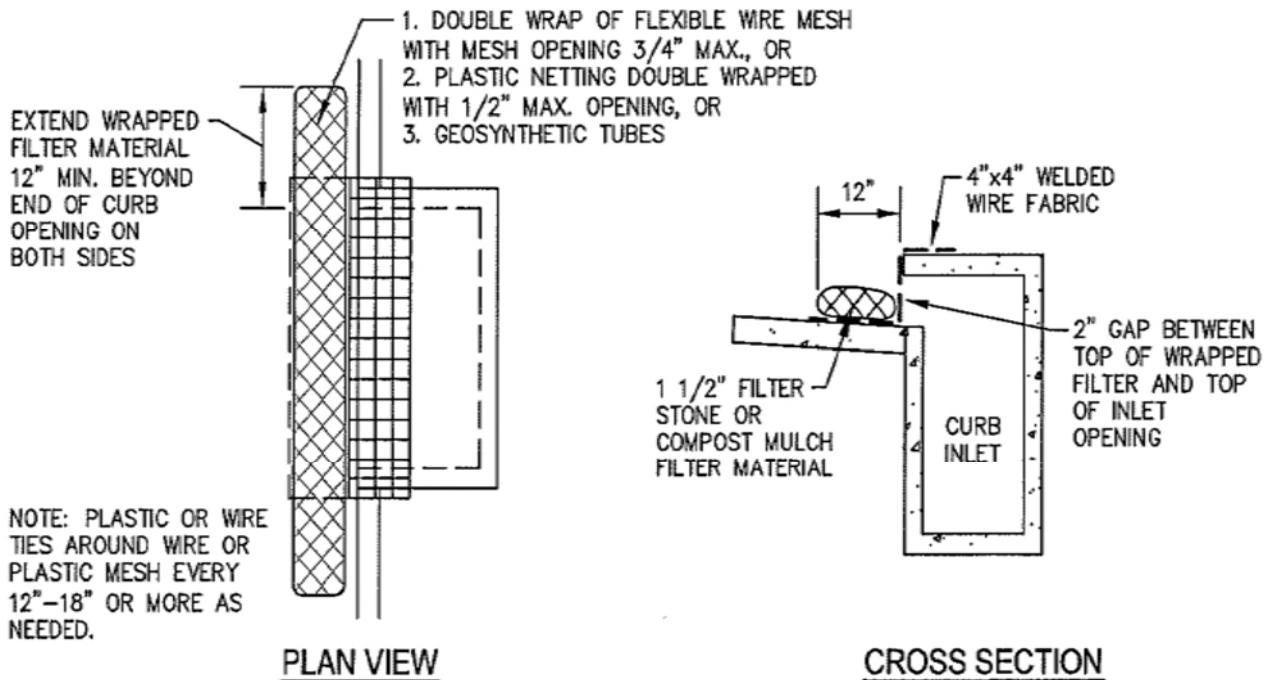
ROCK CONSTRUCTION ENTRANCE DETAIL



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.

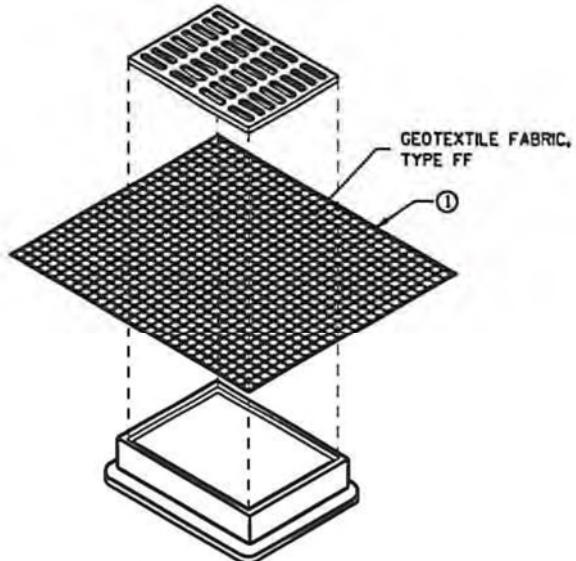
DETAIL D-6A

CURB INLET PROTECTION

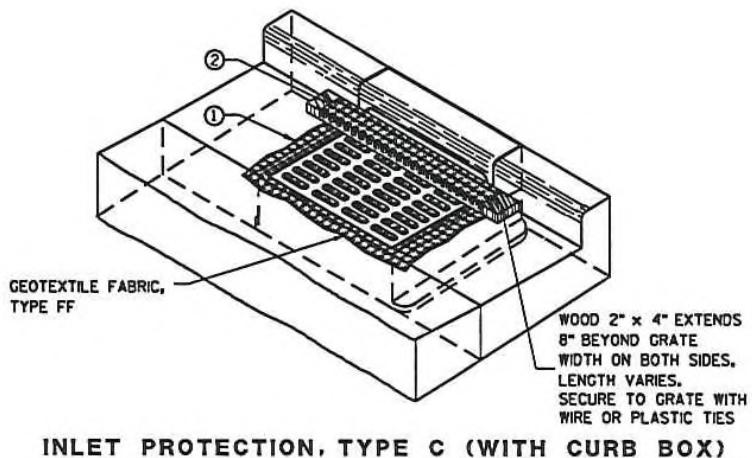


DETAIL D-6B

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)

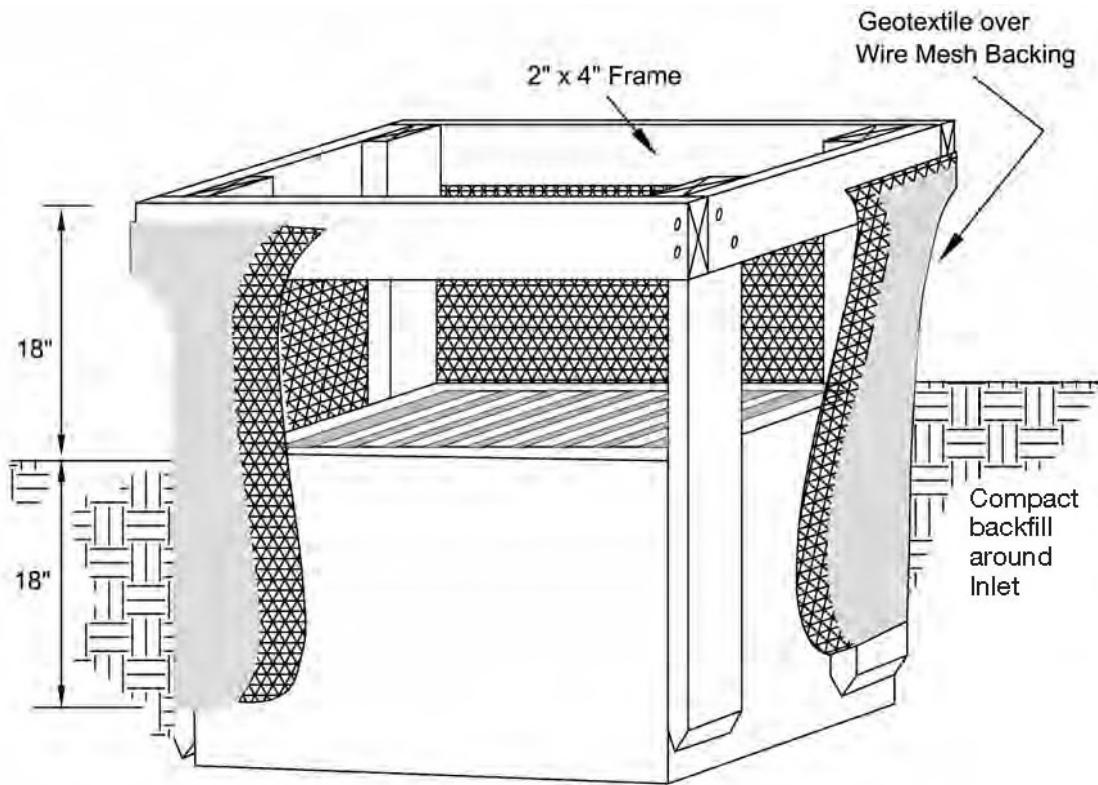
INSTALLATION NOTES

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-6C

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 6inch 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

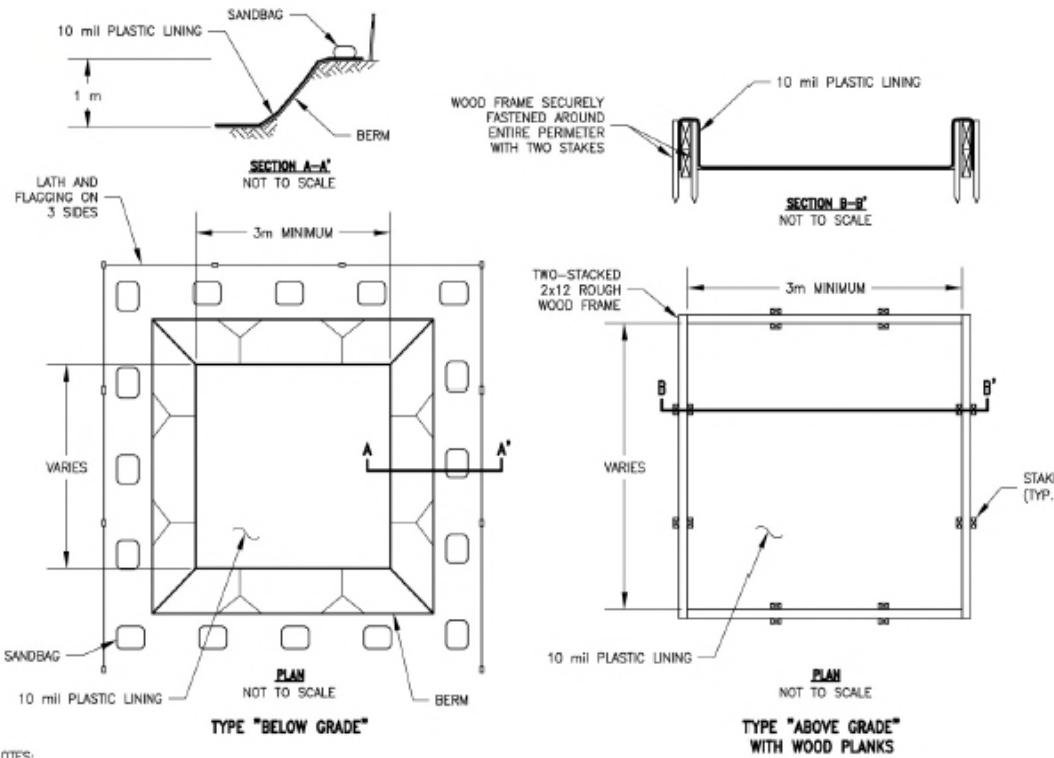
Concrete Washout Detail

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 WASHOUT 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 751 – Millerton Street SE and Marietta Avenue 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 751 – Millerton Street SE and Marietta Avenue 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:

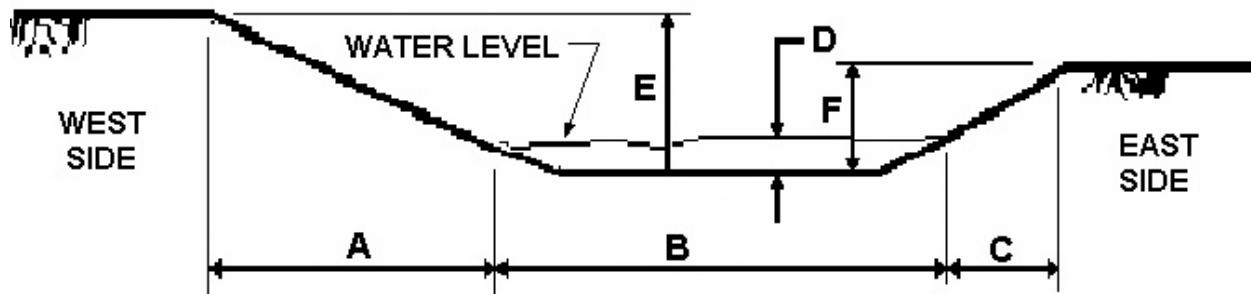
Notes:

APPENDIX G

Typical Stream Crossing Drawings

DETAIL G-1

SURFACE WATER DIMENSION DETAILS



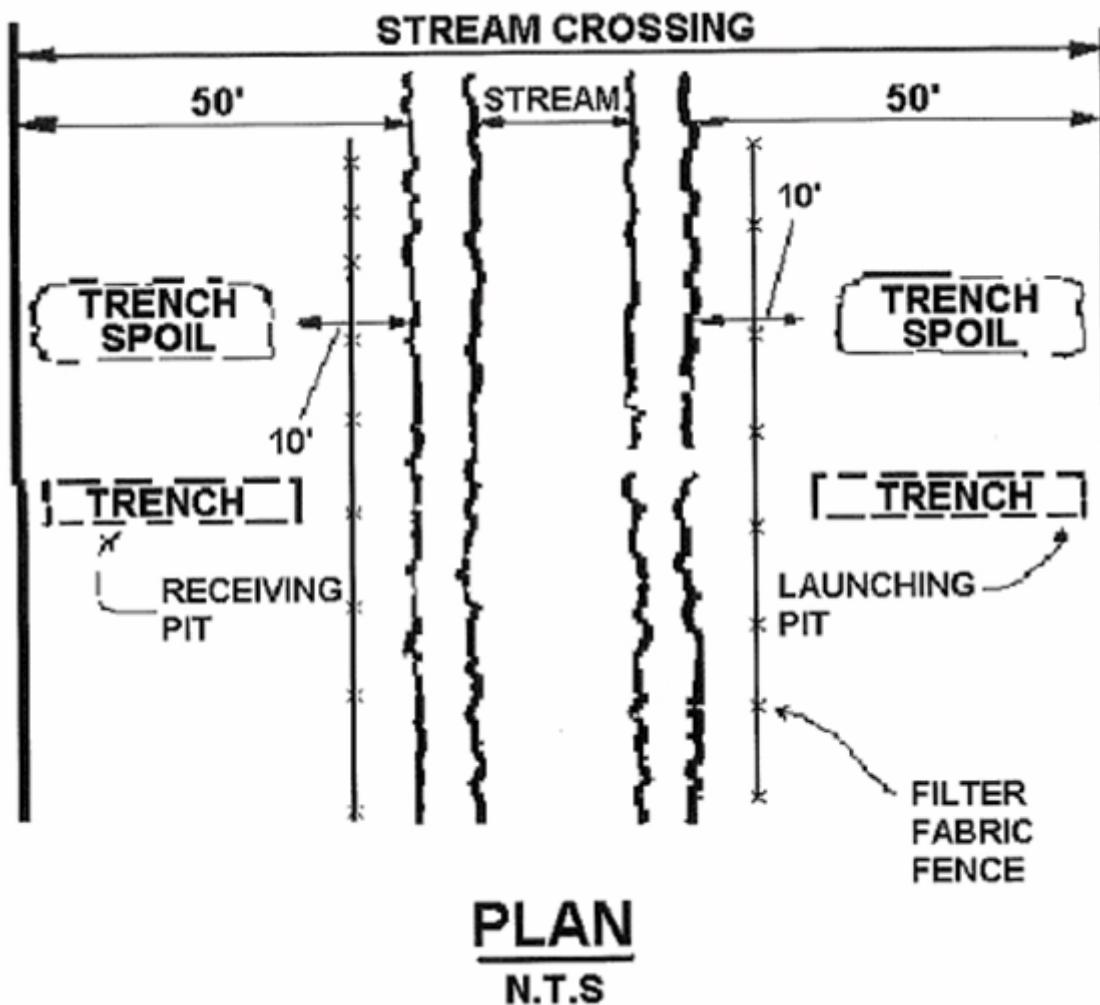
The following table is to be completed with information collected during civil surveys, if available:

CHANNEL CROSS-SECTION

Crossing Number	Name	A	B	C	D	E	F

DETAIL G-2

TYPICAL BORED STREAM CROSSING



APPENDIX H

NOI Application



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 : OH	Zip Code: 44333
--------------------	-------------------	------------------------

Country: USA

Contact Person: Greg Eastridge	Phone: (330) 664-2576	Fax: (330) 664-2669
---------------------------------------	------------------------------	----------------------------

Contact E-mail Address: gregory.k.eastridge@dom.com

II. Facility/Site Location Information

Facility/Site Name: PIR 751 - Millerton Street SE & Marietta Avenue SE

Facility Address: Millerton Street SE & Marietta Avenue SE

City: Canton Township	State: OH	Zip Code: 44707
------------------------------	------------------	------------------------

County: Stark	Township:
----------------------	------------------

Facility Contact Person: Dave Hollendorner	Phone: (330) 664-2677	Fax: (330) 664-2691
---	------------------------------	----------------------------

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

Latitude: 40.77708	Longitude: -81.33785	Facility/Map Attachment PIR 751_NOI USGS Map.pdf
---------------------------	-----------------------------	---

Receiving Stream or MS4: Un-named tributary to Sherrick Run, Canton Township MS4, Sherrick Run (HUC 05040001 050)

III. General Permit Information

General Permit Number: OHC000004	Initial Coverage: Y Renewal Coverage: N
---	---

Type of Activity: Construction Site Stormwater General Permit	SIC Code(s):
--	---------------------

Existing NPDES Facility Permit Number:	ODNR Coal Mining Application Number:
---	---

If Household Sewage Treatment System, is system for:	New Home Construction:	Replacement of failed existing system:
---	-------------------------------	---

Outfall	Design Flow (MGD):	Associated Permit Effluent Table:	Receiving Water :	Latitude	Longitude

Are These Permits Required?	PTI: NO	Individual 401 Water Quality Certification: NO
------------------------------------	----------------	---

Individual NPDES: NO	Isolated Wetland: NO	U.S. Army Corp Nationwide Permit: NO
-----------------------------	-----------------------------	---

Proposed Project Start Date(if applicable): March 01, 2018	Estimated Completion Date(if applicable): August 01, 2018
---	--

Total Land Disturbance (Acres): 2	MS4 Drainage Area (Sq. Miles):
--	---------------------------------------

SWP3 Attachment(s): <None>

IV. Payment Information

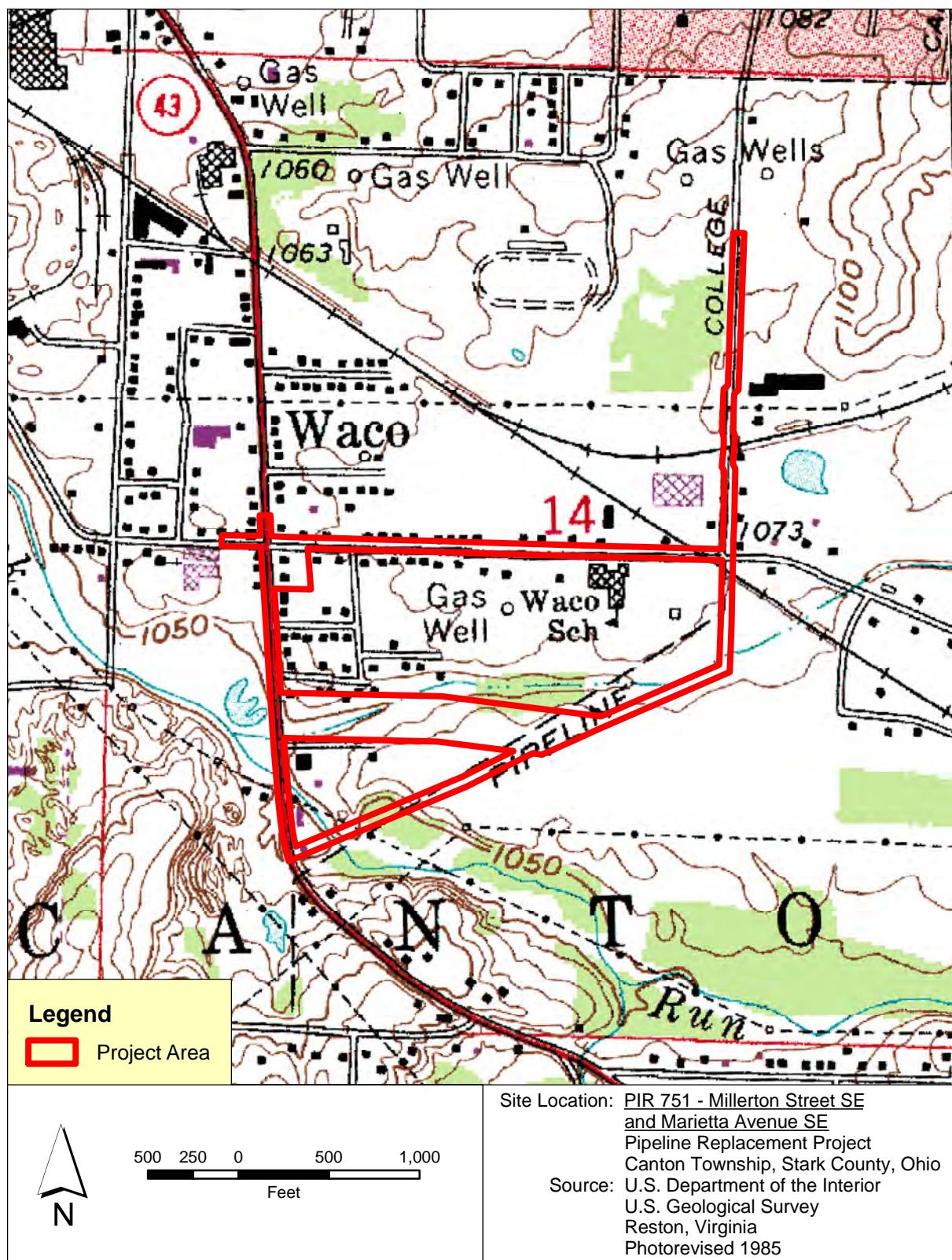
Check #:	For Ohio EPA Use Only		
Check Amount:	Check ID(OFA): _____	ORG #: _____	
Date of Check:	Rev ID: _____	DOC #: _____	

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 (printed or typed):	Title:
---	---------------

Signature:	Date:
-------------------	--------------

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



Ohio EPA
General NOI Application Fee Invoice
Division of Surface Water



Billed to Applicant:

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

Transaction ID: 1006782

DATE: 07/17/2017

Payment Due: 08/16/2017

Revenue ID: 1158338

Facility:

PIR 751 - Millerton Street SE & Marietta Avenue SE
Millerton Street SE & Marietta Avenue SE
Canton Township, OH 44707

DESCRIPTION	AMOUNT
Notice of Intent / Construction Site Stormwater General Permit / OHC000004	\$200.00

Your application will not be processed until the fee is paid in full by the due date indicated.

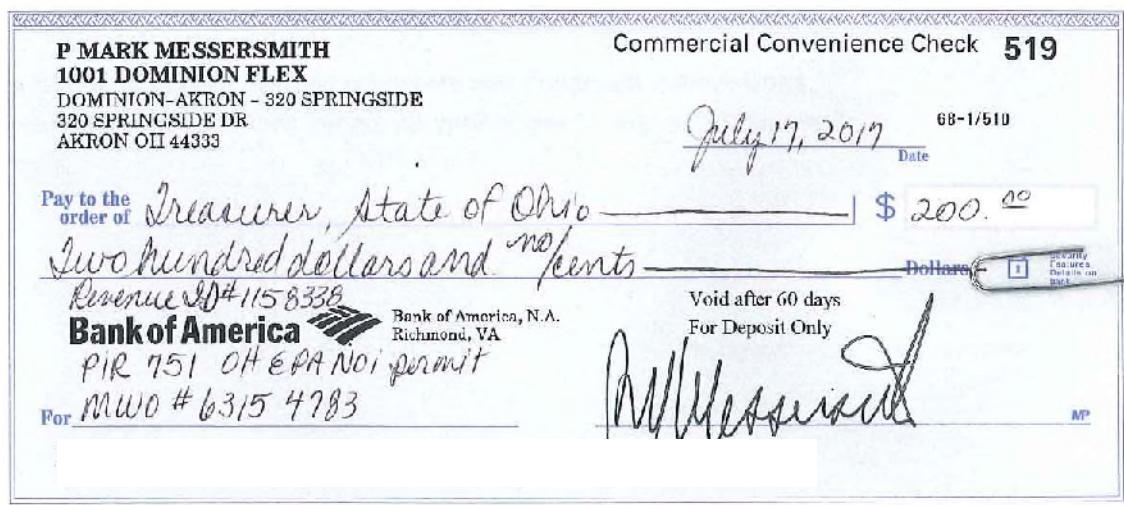
Balance Due	\$200.00
--------------------	-----------------

PAYMENT OPTIONS - Payment options for this invoice include the following:

Electronic Payment through Ohio EPA's eBusiness Center: To pay this invoice online, visit <http://ebiz.epa.ohio.gov>

Payment by Check: If paying by check, please send your check with the remittance advice outlined below.

Include a copy of the
check stub
You must write



If paying via check or money order, make all checks payable to "Treasurer, State of Ohio." To ensure credit for payment, please write your Revenue ID on your check and include this remittance advice with your payment.

Pay To:
Treasurer, State of Ohio

Mail All Submissions To:
Ohio EPA-OFA
Department L-2711
Columbus, OH 43260-2711

Transaction ID:	1006782
Revenue ID:	1158338
Amount Due:	\$200.00
Revenue Type:	DSW- General Permit NOI - Other(APRON)
Amount Enclosed:	

For internal Ohio EPA use only.

Check #:	
Check ID #:	
Postmark Date:	

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

Commercial Convenience Check **515**

July 11, 2017 68-1510
Date

Pay to the
order of Stark SWCD — \$ 350.00

Three hundred fifty dollars and no cents — Dollars

Security
Features
Date is on
Back

Bank of America 

Bank of America, N.A.
Richmond, VA

PIR 751 SWPPP
MW# 6315 4783
For

Void after 60 days
For Deposit Only

D.M. Messersmith

Harland Clarke

STARK SOIL & WATER CONSERVATION DISTRICT

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

APPROVAL LETTER

ATTACHMENT E-2

August 7, 2017

Mr. Greg Eastridge
Dominion East Ohio Gas
320 Springside Drive, Suite 320
Akron, OH 44333

Re: DOM PIR 751 - Millerton St SE & Marietta Ave SE
Plan Review - Submittal #1

Dear Mr. Eastridge:

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. 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.
2. The OEPA NPDES permit is required for this site. Please supply a copy of your permit to this office once obtained.
3. Please ensure all permits with US ACE are in place prior to start of project.
4. 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 letter, please contact me at 330-451-7644 or RR.Rohn@starkcountyohio.gov

Sincerely,



Rich Rohn
Urban Program Specialist

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

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/20/2017 2:55:04 PM

in

Case No(s). 17-2502-GA-BLN

Summary: Letter of Notification of Dominion Energy Ohio for PIR 751 Pipeline Replacement Project - Part 2 of 5 electronically filed by Teresa Orahood on behalf of Sally W. Bloomfield