

SHELL PIPELINE COMPANY LP
FALCON ETHANE PIPELINE SYSTEM
CHARTIERS, MOUNT PLEASANT AND ROBINSON TOWNSHIPS, WASHINGTON
COUNTY PENNSYLVANIA

Joint Permit Application

September 2017



Prepared for:

Shell Pipeline Company LP

150 North Dairy Ashford
Houston, TX 77079

Submitted by:

AECOM

Foster Plaza 6
681 Andersen Drive, Suite 400
Pittsburgh, PA 15220

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Requirement A

General Information Form (GIF) and Permit Application

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the Department.

Related ID#s (If Known)		DEP USE ONLY
Client ID# _____	APS ID# _____	Date Received & General Notes
Site ID# _____	Auth ID# _____	
Facility ID# _____		

CLIENT INFORMATION

DEP Client ID# _____	Client Type / Code LLP			
Organization Name or Registered Fictitious Name Shell Pipeline Company LP		Employer ID# (EIN) 52-2074528	Dun & Bradstreet ID#	
Individual Last Name Van Stone	First Name Stephen	MI	Suffix	SSN
Additional Individual Last Name Alley	First Name Pam	MI	Suffix	SSN
Mailing Address Line 1 150 North Dairy Ashford		Mailing Address Line 2		
Address Last Line – City Houston		State Texas	ZIP+4 77079	Country USA
Client Contact Last Name Wooten	First Name Robert	MI B.	Suffix	
Client Contact Title Senior Staff Land Agent		Phone (832) 762-2568	Ext	
Email Address Robert.Wooten@shell.com		FAX N/A		

SITE INFORMATION

DEP Site ID# _____	Site Name Falcon Ethane Pipeline System			
EPA ID# _____	Estimated Number of Employees to be Present at Site			0
Description of Site Agricultural land, forest, developed land (residential, commercial, and municipal), streams, and wetlands.				
County Name Washington	Municipality Chartiers and Robinson	City <input type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input checked="" type="checkbox"/>
County Name Washington	Municipality Mount Pleasant	City <input type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input checked="" type="checkbox"/>
Site Location Line 1 northern termini: 40.419067, -80.288216		Site Location Line 2 Southern termni: 40.264214, -80.260893		
Site Location Last Line – City Washington		State PA	ZIP+4 15301	
Detailed Written Directions to Site From I-376W take exit 64A to merge onto I-79S toward Washington. Follow for 16 miles and take exit 43 for PA-519 toward Houston/Eighty Four. Turn left onto PA-519N and follow for 0.5 mile. Turn left on onto W. Pike Street then turn right back onto PA-519N. This will take you to the southern termni at the Houston Processing and Fractionation Facility.				
Site Contact Last Name Wooten	First Name Robert	MI B.	Suffix	
Site Contact Title Senior Staff Land Agent		Site Contact Firm Shell Pipeline Company LP		
Mailing Address Line 1 150 North Dairy Ashford #A2036G		Mailing Address Line 2		

Mailing Address Last Line – City Houston			State TX	ZIP+4 77079
Phone (832) 762-2568	Ext	FAX	Email Address Robert.Wooten@shell.com	
NAICS Codes (Two- & Three-Digit Codes – List All That Apply)			6-Digit Code (Optional)	

Client to Site Relationship
LESOP

FACILITY INFORMATION

Modification of Existing Facility				Yes	No
1. Will this project modify an existing facility, system, or activity?				<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will this project involve an addition to an existing facility, system, or activity?				<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>					
Facility Type	DEP Fac ID#	Facility Type	DEP Fac ID#		
<input type="checkbox"/> Air Emission Plant		<input type="checkbox"/> Industrial Minerals Mining Operation			
<input type="checkbox"/> Beneficial Use (water)		<input type="checkbox"/> Laboratory Location			
<input type="checkbox"/> Blasting Operation		<input type="checkbox"/> Land Recycling Cleanup Location			
<input type="checkbox"/> Captive Hazardous Waste Operation		<input type="checkbox"/> MineDrainageTrmt/LandRecyProjLocation			
<input type="checkbox"/> Coal Ash Beneficial Use Operation		<input type="checkbox"/> Municipal Waste Operation			
<input type="checkbox"/> Coal Mining Operation		<input type="checkbox"/> Oil & Gas Encroachment Location			
<input type="checkbox"/> Coal Pillar Location		<input type="checkbox"/> Oil & Gas Location			
<input type="checkbox"/> Commercial Hazardous Waste Operation		<input type="checkbox"/> Oil & Gas Water Poll Control Facility			
<input type="checkbox"/> Dam Location		<input type="checkbox"/> Public Water Supply System			
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite		<input type="checkbox"/> Radiation Facility			
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous		<input type="checkbox"/> Residual Waste Operation			
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals		<input type="checkbox"/> Storage Tank Location			
<input type="checkbox"/> Encroachment Location (water, wetland)		<input type="checkbox"/> Water Pollution Control Facility			
<input type="checkbox"/> Erosion & Sediment Control Facility		<input type="checkbox"/> Water Resource			
<input type="checkbox"/> Explosive Storage Location		<input checked="" type="checkbox"/> Other: Ethane Pipeline			
Latitude/Longitude Point of Origin	Latitude		Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes
GPS	40	20	16.127	80	15
Horizontal Accuracy Measure	Feet	+/-3	--or--	Meters	
Horizontal Reference Datum Code	<input type="checkbox"/> North American Datum of 1927 <input checked="" type="checkbox"/> North American Datum of 1983 <input type="checkbox"/> World Geodetic System of 1984				
Horizontal Collection Method Code	GIS DR				
Reference Point Code	CNTAR				
Altitude	Feet	~996 to 1,386	--or--	Meters	
Altitude Datum Name	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)				
Altitude (Vertical) Location Datum Collection Method Code	TOPO				
Geometric Type Code	POINT				
Data Collection Date	2015-2017				
Source Map Scale Number	1	Inch(es)	=	2,000	Feet
	--or--	Centimeter(s)	=		Meters

PROJECT INFORMATION

Project Name Falcon Ethane Pipeline System			
Project Description Installation of an ethane pipeline to bring product to the Pennsylvania Petrochemical Plant in Monaca, Pennsylvania.			
Project Consultant Last Name Shearer	First Name Natalie	MI L	Suffix
Project Consultant Title Natural Resources Lead		Consulting Firm AECOM Technical Services, Inc.	
Mailing Address Line 1 Foster Plaza 6		Mailing Address Line 2 681 Andersen Drive	

Address Last Line – City Pittsburgh		State PA	ZIP+4 15220
Phone 412-503-4595	Ext	FAX	Email Address natalie.shearer@aecom.com
Time Schedules	Project Milestone (Optional)		
Sept./October 2018	Start of Construction		
Fall 2018	Start tree clearing		
Spring 2019-Fall 2019	Full construction		
Spring 2020	Comissioning		
Fall 2019-Spring 2020	Restoration		

- Have you informed the surrounding community and addressed any concerns prior to submitting the application to the Department? ☒ Yes ☐ No
- Is your project funded by state or federal grants? ☐ Yes ☒ No
 Note: If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.
 Aspect of Project Related to Grant _____
 Grant Source: _____
 Grant Contact Person: _____
 Grant Expiration Date: _____
- Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions) ☐ Yes ☒ No
 Note: If "No" to Question 3, the application is not subject to the Land Use Policy.
 If "Yes" to Question 3, the application is subject to this policy and the Applicant should answer the additional questions in the **Land Use Information** section.

LAND USE INFORMATION

Note: Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

- Is there an adopted county or multi-county comprehensive plan? ☒ Yes ☐ No
- Is there an adopted municipal or multi-municipal comprehensive plan? ☒ Yes ☐ No
- Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance? ☒ Yes ☐ No
 Note: If the Applicant answers "No" to either Questions 1, 2 or 3, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 4 and 5 below.
 If the Applicant answers "Yes" to questions 1, 2 and 3, the Applicant should respond to questions 4 and 5 below.
- Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? If zoning approval has been received, attach documentation. ☒ Yes ☐ No
- Have you attached Municipal and County Land Use Letters for the project? ☒ Yes ☐ No

COORDINATION INFORMATION

Note: The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 and the accompanying Cultural Resource Notice Form.

If the activity will be a mining project (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

If the activity will not be a mining project, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	Is this a coal mining project? If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
1.1	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.2	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.3	Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.4	For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.5	Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.6	Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.0	Is this a non-coal (industrial minerals) mining project? If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2.1	Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.2	Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.3	Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.4	For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.5	Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 192.47	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.				
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

- 22.0 Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
22.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 23.0 Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 24.0 Will the intended activity involve the use of a radiation source? ☐ Yes ☒ No

CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

Type or Print Name Stephen Van Stone

Stephen Van Stone
Signature

Attorney-in-Fact

Title

11/9/17
Date



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
 and
DEPARTMENT OF ARMY CORPS OF ENGINEERS
(Baltimore, Philadelphia, and Pittsburgh Districts)

JOINT APPLICATION FOR
PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT PERMIT AND
U.S. ARMY CORPS OF ENGINEERS SECTION 404 PERMIT

**Before completing this form, please read the step-by-step instructions
 and Section F Application Completeness Checklist provided with this Joint Permit package.**

AGENCY USE ONLY

Application ID# (Assigned by DEP) _____	RECEIVED DATE _____	CHECK NO. _____
Program Application No. _____	REQUIRED APP. FEE _____	AMOUNT \$ _____

SECTION A. APPLICATION TYPE

STANDARD ☒

SMALL PROJECTS ☐

SECTION B. APPLICANT IDENTIFIER

Applicant Name Shell Pipeline Company LP	Employer ID# (EIN) 52-2074528
Consulting Firm AECOM Technical Services, Inc.	Employer ID# (EIN) 95-2661922

SECTION C. PROJECT LOCATION DATA AND STATUS

Name of stream and/or body of water and Chapter 93 designation.
See Table 3 in the Wetland and Watercourse Delineation Report in Requirement L.

Corps District where project will occur.
☒ Pittsburgh (Ohio River Basin) ☐ Baltimore (Susquehanna River Basin) ☐ Philadelphia (Delaware River Basin)

Name of the U.S.G.S. 7 1/2 Minute Quadrangle Map where project is located: Clinton and Midway, Pennsylvania

Indicate location of project: Latitude 40.337813; Longitude -80.260033

Project type, purpose and need: To construct approximately 18 miles of 12-inch ethane pipeline for the purpose of transporting raw materials (ethane) to the Pennsylvania Petrochemical Plant located in Monaca, Pennsylvania.

HAS ANY PORTION OF PROPOSED PROJECT BEEN AUTHORIZED? ☐ yes ☒ no _____ date authorized

If yes, attach description of those portions of the project that have been authorized and identify dates of authorization.

SECTION D. AQUATIC RESOURCE IMPACT TABLE

HAS ALL INFORMATION INCLUDED ON THE IMPACT TABLE BEEN PROVIDED? ☒ yes ☐ no

If NO, indicate the information not included and the reason. Also attach a completed [Aquatic Resource Impact Table \(3150-PM-BWEW0557\)](#) worksheet or equivalent.

- Project Information: _____
- Corps / 404: _____
- DEP / 105: _____

SECTION E. COMPLIANCE REVIEW

Yes No

☐☒

Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?
If yes, please provide:

1. Permit Number: _____
2. Nature of the violation (if any): _____

3. Status of violation (i.e., schedule for compliance, etc.): _____

SECTION F. APPLICATION COMPLETENESS CHECKLIST

Applicant must place an entry - Y = Yes, N = No, N/A = Not Applicable - in each left side column space. See Section 105.13 for additional details. If you are applying under the Small Projects Application format, place an entry in only those comments prefixed by an asterisk (*).

REQUIREMENT	Applicant Entry	DEP Use Only
a. GIF and permit application properly signed, sealed and witnessed	*Y	
b. Application Fee & Worksheet enclosed (see Section G.)	*Y	
c. Copies and proof of receipt - Act 14 notification - Acts 67/68/127	*Y	
d. Cultural Resource Notice (Notice, return receipt and PHMC review letter, as appropriate)	*Y	
e. PASPGP-5 Reporting Criteria Checklist	*Y	
f. Bog Turtle Habitat Screening (copy of "No Effect" determination from the Army Corps of Engineers OR copy of documented clearance from the US Fish and Wildlife Service)	*N/A	
g. Pennsylvania Natural Diversity Inventory (signed PNDI Receipt showing Avoidance Measures or Potential Impacts and proof of delivery to the appropriate jurisdictional agency(ies) where further coordination is required, as appropriate)	*Y	
h. Plans (site plan including cross sections and profiles for Subsections 151, 191, 231, 261)	*Y	
i. Location map	Y	
j. Project description narrative including PNDI avoidance measures (if applicable) AND Aquatic Resource Impact Table	*Y *Y	
k. Color photographs with map showing location taken	*Y	
l. Environmental Assessment form	*Y	
m. Erosion and Sediment Control Plan and approval letter	Y-PLAN	
n. Hydrologic and hydraulic analysis	N/A	
o. Stormwater Management Analysis with consistency letter	N/A	
p. Floodplain Management Analysis with consistency letter	N	
q. Risk Assessment	N/A	
r. Professional engineer's seal and certification	Y	
s. Alternative analysis	Y	
t. Mitigation plan	Y	

SECTION G. DETERMINATION OF APPLICATION FEES (DEP FEES ONLY)

The fee required for a project authorized under this permit shall be consistent with 25 PA Code §105.13 (relating to regulated activities – information and fees). To determine the application fee, please complete the [Chapter 105 Fee\(s\) Calculation Worksheet \(3150-PM-BWEW0553\)](#). Please provide the completed worksheet and a check for the applicable fee(s) made payable to the "Commonwealth of Pennsylvania Clean Water Fund."

SECTION H. ADJOINING PROPERTY OWNERS

Please list the name and address of all property owners whose land adjoins the project property.

<u>NAME</u>	<u>ADDRESS</u>
Please see attached table	

SECTION I. CERTIFICATION AND SIGNATURE (see Instructions for clarification of signature requirements)

I certify under penalty of law that the information provided in this permit registration is true and correct to the best of my knowledge and information and that I possess the authority to undertake the proposed action. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (If any of the information and/or plans is found to be in error, falsified, and/or incomplete, this authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.)

I certify that the project proposed in this application complies with and will be conducted in a manner that is consistent with the approved Coastal Zone Management program of the Commonwealth of Pennsylvania. (Only portions of Erie, Bucks, Philadelphia and Delaware Counties are in the Coastal Zone).

I grant permission to the agencies responsible for authorization of this work, or their duly authorized representative, to enter the project site for inspection purposes during working hours. I will abide by the conditions of the permit or license if issued and will not begin work without the appropriate authorization.

Stephen Van Stone
Signature of Applicant/Owner

11/9/17
Date

Stephen Van Stone, Attorney-in-Fact

Typed / Printed Name & Title of Applicant/Owner

Robert B. Wooten

Signature of Witness

Robert B. Wooten Senior Staff Land Agent

Typed / Printed Name & Title of Witness

SEAL

TABLE 1
AQUATIC RESOURCE IMPACT TABLE - **REVISED NOVEMBER, 2017**
FALCON ETHANE PIPELINE SYSTEM
WASHINGTON COUNTY, PENNSYLVANIA

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
1	40.263520	-80.264046	0.2	W-PA-160407-JLK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	863.44	863.44	Temporary Workspace: This wetland is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	1 of 39	SS001
2	40.263438	-80.264434	0.2	W-PA-160407-JLK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	317.84	317.84	Temporary Workspace: A small portion of this wetland is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	1 of 39	SS002
3	40.263285	-80.266208	0.4	S-PA-160406-MRK-002 Crossing #1	Westland Run	Stream	Perennial	WWF	18.00	18.00	54.79	34.15	986.20	614.76	1600.96	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	1 of 39	SS004
						Floodway		-	161.16	-	-	-	8213.31	4688.18					
4	40.263964	-80.266794	0.4	W-PA-160406-MRK-003	-	Wetland	PUB	OTHER	0.00	-	-	-	61.71	248.09	309.80	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1 of 39	SS005
5	40.264281	-80.266816	0.4	W-PA-160406-MRK-004	-	Wetland	PUB	OTHER	32.92	-	-	-	726.26	0.00	726.26	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1 of 39	SS006

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													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
6	40.265472	-80.266652	0.5	W-PA-160406-MRK-006	-	Wetland	PEM	OTHER	31.97	-	-	-	2352.18	4926.54	7278.73	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1&2 of 39	SS007
7	40.267136	-80.267000	0.7	W-PA-170112-MRK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	194.27	312.62	506.89	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	2 of 39	SS008
8	40.268140	-80.267617	0.7	W-PA-170112-MRK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	829.64	829.64	Temporary Workspace: This wetland is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours.	GP-5, GP-8	2 of 39	SS009
9	40.272129	-80.269119	1.1	S-PA-160406-MRK-002 Crossing #2	Westland Run	Stream	Perennial	WWF	18.00	18.00	50.17	52.67	902.99	948.15	1851.14	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	3 of 39	SS010
						Floodway		-	133.99	-	-	-	6700.16	7966.08					

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	40.272398	-80.269054		W-PA-160406-MRK-001	-	Wetland	PSS	OTHER	0.00	-	-	-	0.00	395.83	395.83	Temporary Workspace: This wetland is located in TWS. It is located adjacent to the travel area; however, it may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.			
10	40.272129	-80.268682	1.1	W-PA-160406-MRK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	29.98	29.98	Temporary Workspace: This wetland is located in TWS; however, it may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	3 of 39	SS011
11	40.273690	-80.264996	1.3	S-PA-160229-MRK-001	UNT to Westland Run	Stream	Ephemeral	WWF	4.00	4.00	89.08	26.18	356.34	104.73	461.06	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	3 of 39	SS012
						Floodway		-	177.75	-	-	-	8697.42	3170.48					
	40.273777	-80.264403		S-PA-160229-MRK-002		Floodway	Intermittent	-	9.73	-	-	-	3482.32	0.00		Pipeline: The upland floodway of this stream is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			
12	40.277933	-80.260251	1.8	S-PA-160229-MRK-003	UNT to Westland Run	Stream	Ephemeral	WWF	3.50	3.50	56.38	27.73	197.33	97.04	294.37	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	4 of 39	SS013
						Floodway		-	116.69	-	-	-	5825.03	2885.92					
13	40.279413	-80.260296	1.9	S-PA-160229-MRK-004	UNT to Westland Run	Stream	Perennial	WWF	5.00	5.00	52.23	28.29	261.17	141.43	402.60	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	5 of 39	SS014
						Floodway		-	108.53	-	-	-	5490.18	3000.55					

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14	40.286932	-80.260162	2.4	S-PA-160301-MRK-001	UNT to Westland Run	Stream	Ephemeral	WWF	3.00	3.00	56.88	27.85	170.63	83.54	254.17	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	6 of 39	SS015
						Floodway	-	118.71	-	-	-	6009.21	2871.99						
15	40.287466	-80.260180	2.4	S-PA-160301-MRK-002	UNT to Westland Run	Stream	Ephemeral	WWF	1.75	1.75	45.91	0.00	80.34	0.00	80.34	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	6&7 of 39	SS016
						Floodway	-	102.07	-	-	-	5112.02	3614.64						
16	40.290992	-80.262263	2.7	S-PA-160301-MRK-003	UNT to Westland Run	Stream	Perennial	WWF	4.00	4.00	66.05	42.76	264.20	171.06	435.25	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	7 of 39	SS017
						Floodway	-	122.02	-	-	-	6638.40	4400.28						
17	40.294567	-80.265001	3.0	S-PA-151026-MRK-002	UNT to Westland Run	Floodway	Perennial	-	67.56	-	-	-	2761.44	2152.54	NA	Pipeline: The floodway of this stream is directly crossed the pipeline route. Following construction, the floodway will be restored to its original contours.	GP-5, GP-8	7 of 39	SS018
18	40.303347	-80.265344	3.7	S-PA-151026-MRK-001	UNT to Westland Run	Stream	Perennial	WWF	12.00	4.00	80.25	0.00	0.00	0.00	0.00	HDD: These resources will be crossed via HDD. The pipe will be approximately 33 feet below stream S-PA-151026-MRK-001 and approximately 36 feet below stream S-PA-160302-MRK-003. There will be no above-ground disturbance.	GP-5	10 of 39	SS019
						Floodway		-	127.08	-	-	-	0.00	0.00					
	40.303418	-80.265459		S-PA-160302-MRK-003		Stream	Intermittent	WWF	2.50	2.50	76.47	0.00	0.00	0.00	0.00				
						Floodway		-	64.28	-	-	-	0.00	0.00					

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19	40.304537	-80.267157	3.8	S-PA-160302-MRK-003	UNT to Westland Run	Stream	Intermittent	WWF	0.00	2.50	13.28	0.00	0.00	0.00	0.00	HDD: This resource will be crossed via HDD. The pipe will be approximately 64 feet below stream. There will be no above-ground disturbance.	GP-5	10 of 39	SS020
						Floodway		-	101.32	-	-	-	0.00	0.00					
20	40.310077	-80.267259	4.2	S-PA-151029-MRK-003	UNT to Millers Run	Stream	Intermittent	WWF	6.50	6.50	79.51	25.25	516.81	164.15	680.96	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	12 of 39	SS021
						Floodway		-	147.83	-	-	-	7195.17	3998.10					
	40.310265	-80.267371		S-PA-151029-MRK-004		Floodway	Ephemeral	-	0.00	-	-	-	0.00	294.36	NA	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.			
21	40.312527	-80.263192	4.5	S-PA-151029-MRK-002	UNT to Millers Run	Stream	Perennial	WWF	4.00	4.00	63.23	29.78	252.90	119.11	372.01	Pipeline: These resources are directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. In the wetland, a trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, the segregated topsoil will be replaced and both the stream and wetland will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream and wetland to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	12 of 39	SS022
						Floodway		-	154.37	-	-	-	7413.81	2889.57					
				W-PA-151029-MRK-001	-	Wetland	PEM	OTHER	56.84	-	-	-	2879.74	1328.91	4208.65				
22	40.318177	-80.260923	4.9	S-PA-161205-CBA-002	UNT to Millers Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	468.83	NA	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.			

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23	40.318254	-80.260969	5.0	S-PA-161205-CBA-002	UNT to Millers Run	Stream	Intermittent	WWF	0.00	2.06	29.53	28.14	60.84	57.96	118.80	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	GP-5, GP-8	13&14 of 39	SS023
						Floodway		-	45.50	-	-	-	2228.66	1321.80		Pipeline: These resources are directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. In the wetland, a trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, the segregated topsoil will be replaced and the stream, wetland, and upland floodway will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream, wetland, and upland floodway to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.			
	40.318349	-80.260960		W-PA-151210-MRK-001	-	Wetland	PEM	OTHER	80.94	-	-	-	3881.17	1819.43	5700.60				
	40.318425	-80.260911		S-PA-151029-MRK-001	UNT to Millers Run	Stream	Perennial	WWF	3.00	3.00	51.72	25.90	155.16	77.70	232.87				
						Floodway		-	106.61	-	-	-	5327.33	2668.83					
	24	40.326644		-80.261331	5.7	S-PA-151210-MRK-001	Millers Run	Stream	Perennial	WWF	18.00	18.00	37.50	0.00	0.00	0.00			
Floodway			-					162.15		-	-	-	0.00	0.00					
25	40.333045	-80.261723	6.1	S-PA-151215-MRK-004	UNT to Millers Run	Stream	Intermittent	WWF	6.00	2.00	126.14	61.42	252.27	122.85	375.12	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	17 of 39	SS025
						Floodway		-	244.09	-	-	-	11856.31	7364.31					

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													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴					
26	40.336384	-80.261438	6.4	W-PA-151215-MRK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	356.07	594.93	951.01	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	18 of 39	SS026	
27	40.338076	-80.258966	6.6	S-PA-170214-CBA-001	UNT to Millers Run	Stream	Ephemeral	WWF	0.00	4.20	148.32	0.00	622.92	0.00	622.92	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	GP-5, GP-8	18 of 39	SS027	
						Floodway		-	97.62	-	-	-	4875.91	808.42		Pipeline: These resources are directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.				
				S-PA-160314-NLS-002Bext		Stream	Perennial	WWF	12.00	12.00	68.23	92.52	818.76	1110.18	1928.95					
						Floodway		-	147.27	-	-	-	7155.31	8191.51						
28	40.340839	-80.257106	6.9	W-PA-170214-CBA-003	-	Wetland	PEM	OTHER	11.49	-	-	-	505.80	394.66	900.46	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	19 of 39	SS028	

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													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
29	40.342285	-80.259924	7.1	S-PA-170214-CBA-002	UNT to Millers Run	Stream	Intermittent	WWF	9.50	9.50	58.51	166.34	555.87	1580.22	2136.09	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	JPA FOR meter station GP-7 for PAR	19 of 39	SS029
						Floodway		-	128.17	-	-	-	4289.57	16658.28					
								-	43.65	-	-	-	2081.05	0.00	NA	HOU-PAR-02: The upland floodway will be impacted by the rock for the rock construction entrance. Once construction is complete, the rock will be removed and the upland floodway will be restored to pre-construction conditions.			
30	40.342281	-80.261870	7.2	W-PA-170413-RCL-001	-	Wetland	PEM	OTHER	220.58	-	-	-	9646.60	9463.18	19109.78	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	19 of 39	SS030 and SS031
	40.342861	-80.262258	7.3	S-PA-160404-CBA-001	UNT to Millers Run	Stream	Intermittent	WWF	2.50	2.50	184.30	0.00	460.75	0.00	460.75	Conventional Bore: This resource will be crossed via conventional bore. The pipe will be approximately 51 feet below stream. There will be no above-ground disturbance. Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.			
						Floodway		-	325.54	-	-	-	14717.29	6348.05		Pipeline: This upland floodway is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			

TABLE 1
AQUATIC RESOURCE IMPACT TABLE - **REVISED NOVEMBER, 2017**
FALCON ETHANE PIPELINE SYSTEM
WASHINGTON COUNTY, PENNSYLVANIA

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
	40.343038	-80.262304				Stream		WWF	2.50	2.50	0.00	0.00	0.00	0.00	0.00	HOU-TAR-10; Existing Culvert: This stream and upland floodway will be crossed by access road HOU-TAR-10 utilizing an existing culvert. There will be no impact.			
						Floodway		-	297.15	-	-	-	0.00	0.00					
31	40.342808	-80.263032	7.3	S-PA-151208-MRK-003	UNT to Millers Run	Stream	Perennial	WWF	0.00	6.00	0.00	137.26	0.00	823.54	823.54	Temporary Workspace: This stream is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	19 of 39	SS032
						Floodway		-	51.99	-	-	-	2950.56	9977.32		Pipeline: This upland floodway is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			
					W-PA-170413-RCL-005	-	Wetland	PSS	OTHER	0.00	-	-	-	0.00	2346.76	2346.76			
32	40.346983	-80.263997	7.6	W-PA-170215-CBA-002	-	Wetland	PEM	OTHER	22.23	-	-	-	1098.09	630.97	1729.06	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	20 of 39	SS033
33	40.348968	-80.265706	7.8	W-PA-170214-CBA-005 Crossing #1	-	Wetland	PEM	OTHER	45.97	-	-	-	2217.18	669.82	2887.00	Pipeline: These resources are directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. In the wetland, a trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, the	GP-5, GP-8	21 of 39	SS034
	40.349083	-80.265752		S-PA-170214-CBA-006	UNT to Robinson Run	Stream	Intermittent	WWF	0.00	4.44	52.46	0.00	232.92	0.00	232.92				
						Floodway		-	33.26	-	-	-	1573.34	175.47					

TABLE 1
AQUATIC RESOURCE IMPACT TABLE - **REVISED NOVEMBER, 2017**
FALCON ETHANE PIPELINE SYSTEM
WASHINGTON COUNTY, PENNSYLVANIA

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
	40.349089	-80.265863		S-PA-170214-CBA-005		Stream	Intermittent	WWF	5.50	5.50	53.67	4.86	295.21	26.71	321.92	segregated topsoil will be replaced and the stream, wetland, and upland floodway will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream, wetland, and upland floodway to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.			
		Floodway				-		113.94	-	-	-	5636.44	4604.12						
	40.349175	-80.265951		W-PA-170214-CBA-005 Crossing #2	-	Wetland	PFO	OTHER	41.14	-	-	-	2160.77	67.35	2228.12				
34	40.350631	-80.271245	8.1	S-PA-170215-CBA-004	UNT to Robinson Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	24.00	NA	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.	GP-5, GP-8	21 of 39	SS035
35	40.351660	-80.271324	8.2	W-PA-151208-MRK-006	-	Wetland	PEM	OTHER	48.72	-	-	-	2829.11	7647.65	10476.77	Pipeline: These resources are directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. In the wetland, a trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, the segregated topsoil will be replaced and the stream, wetland, and upland floodway will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream, wetland, and upland floodway to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	21 of 39	SS036
				S-PA-151109-MRK-003	UNT to Robinson Run	Stream	Perennial	WWF	6.00	6.00	51.04	52.92	306.25	317.49	623.75				
						Floodway		-	108.08	-	-	-	5454.93	7417.41					
36	40.359617	-80.271083	8.9	S-PA-151012-MRK-001	Robinson Run	Stream	Perennial	WWF	9.50	9.50	56.14	0.00	0.00	0.00	0.00	HDD: This resource will be crossed via HDD. The pipe will be approximately 40 feet below stream. There will be no above-ground disturbance.	GP-5	23 of 39	SS037
						Floodway		-	247.96	-	-	-	0.00	0.00					
37	40.360531	-80.270061	9.0	W-PA-151012-MRK-002	-	Wetland	PEM	OTHER	65.76	-	-	-	3287.81	0.00	3287.81	HDD: This resource will be crossed via HDD. The pipe will be approximately 45 feet below wetland. HOU-TAR-13: A 10-ft-wide timber mat will be placed in the travel area across the wetland to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5	23&24 of 39	SS038

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AQUATIC RESOURCE IMPACT TABLE - **REVISED NOVEMBER, 2017**
FALCON ETHANE PIPELINE SYSTEM
WASHINGTON COUNTY, PENNSYLVANIA

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
38	40.368311	-80.271902	9.7	W-PA-151012-MRK-003	-	Wetland	PEM	OTHER	31.66	-	-	-	1067.64	0.00	1067.64	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	25 of 39	SS039
39	40.374230	-80.274986	10.2	W-PA-151203-MRK-001	-	Wetland	PEM	-	0.00	-	-	-	643.70	0.00	643.70	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	28 of 39	SS040
40	40.379294	40.379294	10.6	S-PA-151203-MRK-001	UNT to Robinson Run	Stream	Intermittent	WWF	2.50	2.50	154.00	148.65	385.01	371.63	756.64	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	29 of 39	SS041
						Floodway		-	270.19	-	-	-	13610.54	17018.35					
41	40.385967	-80.277010	11.1	W-PA-151203-MRK-005	-	Wetland	PEM	OTHER	36.53	-	-	-	2011.65	201.13	2212.78	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	32 of 39	SS042

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FALCON ETHANE PIPELINE SYSTEM
WASHINGTON COUNTY, PENNSYLVANIA

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
42	40.386263	-80.277401	11.1	W-PA-151203-MRK-006	-	Wetland	PUB	OTHER	0.00	-	-	-	460.71	0.00	460.71	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours.	GP-5, GP-8	32 of 39	SS042
43	40.387558	-80.286183	11.4	S-PA-170412-RCL-002	UNT to Robinson Run	Floodway	Ephemeral	-	131.12	-	-	-	0.00	2610.11	NA	HOU-TAR-16: The upland floodway will be impacted by use of an existing access road. Once construction is complete, the upland floodway will be restored to pre-construction conditions.	GP-8	32 of 39	SS043
44	40.398202	-80.278240	12.1	S-PA-170105-MRK-001	UNT to Little Raccoon Run	Floodway	Ephemeral	-	0.00	-	-	-	705.96	0.00	NA	Permanent Right-of-Way: This upland floodway is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the upland floodway will be restored to original contours.	GP-5, GP-8	34&35 of 39	SS044
45	40.404352	-80.279492	12.6	S-PA-161130-CBA-001	UNT to Little Raccoon Run	Stream	Ephemeral	WWF	6.00	6.00	62.37	27.61	374.24	165.63	539.87	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	36 of 39	SS045
						Floodway		-	112.81	-	-	-	5773.27	3096.69					
46	40.408131	-80.281437	13.0	S-PA-170105-MRK-002	UNT to Little Raccoon Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	1988.40	NA	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.	GP-5, GP-8	37 of 39	SS046

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													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				
47	40.416448	-80.287835	13.8	S-PA-170113-MRK-005	UNT to Little Raccoon Run	Stream	Perennial	WWF	0.00	7.50	19.85	0.00	148.91	0.00	148.91	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	GP-5, GP-8	39 of 39	SS047
						Floodway		-	6.47	-	-	-	545.61	0.00		755.04			
	Stream	Perennial		WWF		7.00	7.00	52.18	55.68	365.28	389.76								
				Floodway		-	111.57	-	-	-	5583.56	6606.54							
	40.416406	-80.287872	S-PA-170113-MRK-004	W-PA-170113-MRK-007	-	Wetland	PEM	OTHER	0.00	-	-	-	1988.29	4752.54	6740.83	JPA			
48	40.416866	-80.287994	13.8	S-PA-170207-MRK-005	UNT to Little Raccoon Run	Stream	Intermittent	WWF	0.00	4.00	0.00	34.48	0.00	137.93	137.93	Temporary Workspace: This stream is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	39 of 39	SS049
						Floodway		-	70.76	-	-	-	2921.80	4870.64		Pipeline: This upland floodway is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			
49	40.418008	-80.288018	13.9	S-PA-170113-MRK-006	UNT to Little Raccoon Run	Stream	Intermittent	WWF	3.00	3.00	66.98	35.76	200.95	107.28	308.22	Pipeline: This stream is directly crossed the pipeline route. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	39 of 39	SS050
						Floodway		-	233.14	-	-	-	12183.17	3936.06					
Houston to Junction Pipeline, Washington County, Pennsylvania Totals						Stream			175.25	193.95	2,057.17	1,166.19	9,224.25	7,732.85	17,279.03				
						Floodway			4,802.13	0.00	0.00	0.00	183,009.07	148,087.83	NA				
						Wetland			726.76	0.00	0.00	0.00	38,368.76	37,841.32	76,210.07				

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													Area within Permanent Right-of-Way (ft²) ⁴	Area within Temporary Workspace (ft²) ⁴	Area within ROW (ft²) ⁴				

KEY
¹ Cowardin Vegetation Classes are defined by the United States Fish and Wildlife Service (USFWS) for the National Wetland Inventory. PEM -Palustrine Emergent, PSS - Palustrine Scrub Shrub, PFO - Palustrine Forested, PUB - Palustrine Unconsolidated Bottom, POW - Palustrine Open Water
² Title 25, PA Code, Chapter 93 Designation CWF - Cold Water Fishes, WWF - Warm Water Fishes, HQ - High Quality, TS - Trout Stocked Fishes, OTHER - other wetland, not EV
³ Floodways overlap streams and wetlands but not other floodways. Floodways are an assumed 50' wide from tops of banks. These are only applicable to PADEP impacts.
⁴ The areas for wetlands and floodways are measured using Geographic Information Systems (G.I.S.) and the areas of streams are calculated by multiplying width X length.
⁵ TWS = Temporary Workspace; PROW = Permanent Rights-of-Way
Note that although there is no permanent above-ground ROW for HDDs, the permanent impact area is captured within the "Area within Permanent Right-of-Way" column.

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	140-005-00-00-0060-03	CARTER BRADLEY D & BRENDA G	4005 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0060-04	CARTER BRADLEY D & BRENDA G	4005 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0060-20	CHECCA TIMOTHY J & TAMMY J	3988 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0061-00	TILGER JAMES E REVOC LIVING TR	29 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	170-001-00-00-0003-00	ROSATI JACK A & IRENE M	51 PLUM RUN RD	MCDONALD	PA	15057
Washington	170-002-00-00-0001-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	170-002-00-00-0008-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	170-002-00-00-0009-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-002-00-00-0010-00	SWOAGER TERESA A & CALVIN T	53 GRIFFITH LN	CANONSBURG	PA	15317
Washington	170-002-00-00-0010-02	SWOAGER TERESA A & CALVIN T	53 GRIFFITH LN	CANONSBURG	PA	15317
Washington	170-007-00-00-0026-00	PITTSBURGH INDUSTRIAL RAILROAD INC	1109 PENNSYLVANIA STATION	Pittsburgh	PA	15200
Washington	170-008-00-00-0007-00	PAXTON WILLIAM R & SUSAN M	786 WESTERN AVE	Washington	PA	15301
Washington	170-008-00-00-0010-05	BAUER FAM FARM PART, ALBERT & TIMOTHY & BETTE BAUERE	223 MEDDINGS RD	CANONSBURG	PA	15317
Washington	170-008-00-00-0011-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-008-00-00-0013-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-008-00-00-0014-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-009-00-00-0001-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0002-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	170-009-00-00-0002-02	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0004-00	PAWLOSKY ANTHONY J & SALLY B	1084 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0005-00	ETC NORTHEAST PIPELINE LLC	WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0005-02	KOTYK THOMAS C ETAL	83 ULLOM RD	HICKORY	PA	15340
Washington	170-009-00-00-0006-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0006-01	WILLIAMS OHIO VALLEY MIDSTREAM LLC	929 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0007-00	MARKWEST LIBERTY MIDSTREAM	878 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0009-00	J & W PROPERTY HOLDINGS	919 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0010-00	WILLIAMS OHIO VALLEY MIDSTREAM LLC	929 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0014-00	HIROSKY EDWARD A ET AL	940 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0014-01	COLLETTI STEPHEN A & TINA R	944 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0018-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	170-009-00-00-0019-00	PENNSYLVANIA AMERICAN WATER		WESTLAND	PA	15378
Washington	170-009-00-00-0021-00	PAWLOSKY ANTHONY J & SALLY B	1084 WESTERN AVE	HICKORY	PA	15340

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	170-010-00-00-0010-00	KOTYK TODD J ET AL	83 ULLOM RD	HICKORY	PA	15340
Washington	170-010-00-00-0012-01	CHASTEL JACK B &, PENNY CHASTEL PHILLIPS	241 MARION DR	McMurray	PA	15317
Washington	170-010-00-00-0013-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0014-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0015-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0018-00	CUMER JAY M & JEANINE M	MCCONNELLS MILLS RD	Washington	PA	15301
Washington	460-009-00-00-0007-00	KOTYK TODD J ET AL	83 ULLOM RD	HICKORY	PA	15340
Washington	460-009-00-00-0008-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	460-009-00-00-0017-00	SLUCIAK DENNIS C	47 GRUDEVICH RD	CANONSBURG	PA	15317
Washington	460-009-00-00-0025-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-009-00-00-0028-00	COWDEN ROBERT M	193 HORNHEAD DR	HICKORY	PA	15340
Washington	460-010-00-00-0002-00	ANDREWS BERNARD A &	75 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0002-02	ANDREWS BERNARD A &	91 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0003-00	ENGEL JOHN D & MARY J	51 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0004-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-010-00-00-0005-02	BUSHMIRE ANTHONY JOHN	103 HILLMORE LN	MCDONALD	PA	15057
Washington	460-010-00-00-0011-00	ROSATI JOHN A	51 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0017-04	SETHNER DOUGLAS R & KIMBERLY A	25 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0023-00	RANGE RESC APPALACHIA LLC	33 JOHNSTON RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-01	MULE TRACTS	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-02	BATTISTA PAUL C & NANETT M	28 JOHNSTON RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-03	MULE TRACTS	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-04	BATTISTA RALPH & BARBARA	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-07	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-010-00-00-0025-00	RUMBAUGH RICHARD & KATHLEEN	41 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0026-00	WILLIAMSON REBECCA R	HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0027-01	FERRIS JOHN C & MICHELE A	173 HORNHEAD RD	HICKORY	PA	15340
Washington	460-010-00-00-0029-00	FAURE RAYMOND D JR ET AL	29 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0029-02	SLATES DAVID W & DENISE T	21 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0029-05	HURSH PAUL C JR & GAY A	33 CASEY RD	MC DONALD	PA	15057
Washington	460-010-00-00-0031-01	GREGOIRE PETER & RHONDA COLLINS	30 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0032-00	SCHMIDT EDWARD JOHN JR	109 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-012-00-00-0001-00	TEMPLETON DAVID M & SUELLEN P	164 PRIMROSE RD	MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-012-00-00-0004-00	MCCARTHY CHARLES W & BETTY	15 BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0008-00	MCCARTHY CHARLES W & BETTY R	15 BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0009-00	ARNOLD PAMELA A & WILLIAM K	BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0014-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-012-00-00-0019-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-012-00-00-0021-01	SANGREGORIO KIMBERLY D & EDWAR	1479 MILLERS RUN RD	MCDONALD	PA	15057
Washington	460-012-00-00-0021-02	GEYER LEE & DIAN	1482 MILLERS RUN RD	MCDONALD	PA	15057
Washington	460-012-00-00-0028-00	BROWN RANDY LEE	267 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-00	WUSSICK DONALD	48 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-01	WUSSICK ROBERTA L & NICK C	42 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-02	WUSSICK NICK C III	44 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-03	LEGG BETTY & JAMES	33 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0033-02	LUKANSKI JOHN JR & MARCIA J	40 BAKER RD	MCDONALD	PA	15057
Washington	460-012-00-00-0033-08	ROTH DAVID W	194 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0035-01	ROTH WAYNE & PATRICIA M	184 SOUTHVIEW ROAD	MCDONALD	PA	15057
Washington	460-012-00-00-0038-01	BONGIORNI MICHAEL E & AMY	141 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0039-00	POWELL SUZANNE & MIKE S	164 SOUTHVIEW ROAD	MCDONALD	PA	15057
Washington	460-012-00-00-0040-01	TURK ROGER J & CAROLE L	168 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-02-01-0001-00	BANACH FREDERICK G & PATRICIA	25 BROWN ST	Southview	PA	15361
Washington	460-013-00-00-0031-00	HERRIOTT DAVID LEE	40 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0031-03	BETTERS DEBRA KEHN & MARTIN J	21 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0031-05	MCQUILLAN SARAH S	10 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0032-01	DAGRAVA JACOB S	34 CASEY RD	MCDONALD	PA	15057
Washington	460-013-00-00-0032-05	PANDOLFO DOMINICK & ANNE	70 CASEY RD	MCDONALD	PA	15057
Washington	460-018-00-00-0002-12	ZENITH MANAGEMENT LLC	86 BAKER RD	MCDONALD	PA	15057
Washington	460-019-00-00-0016-02	CHIARELLI FAMILY REV LIV TRUST	28 CHIRELLI LN	MCDONALD	PA	15057
Washington	460-019-00-00-0019-00	MT PLEASANT-EXEMPT PROPERTY, FORT CHERRY SCHOOL BLDG	FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-019-00-00-0019-01	FORT CHERRY GOLF CLUB INC	80 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-00-00-0016-00	DEMNYAN LORI	8651 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-00-00-0018-02	RAINERI ROBERT & ROBERT A JR	11 FORT CHERRY ROAD	MCDONALD	PA	15057
Washington	460-020-00-00-0021-00	COMMONWEALTH PA PENNDOT	8646 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-00-00-0035-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-020-00-00-0056-05	COOK WILLIAM J & KIMBERLY ANN	71 JACOBS RD	MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-020-00-00-0057-00	FEDINETZ ROBERT L	25 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-00-00-0057-01	ROCHER LOUIS A & MARGARET J	23 FORT CHERRY ROAD	MCDONALD	PA	15057
Washington	460-020-00-00-0057-02	NIX BRIAN J	21 FT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-01-00-0005-00	LUGAILA JOHN M	55 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-01-00-0018-00	KASTEN EDWARD C JR & MARY C	BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-01-00-0023-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-020-01-00-0030-00	COMMONWEALTH PA PENNDOT	8664 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-01-00-0031-00	THORSEN CHARLOTTE W & MATTHEW E	8682 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-01-00-0032-00	THORSEN CHARLOTTE W & MATTHEW E	8682 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-03-00-0005-00	MERIAGE STANLEY N	31 MERIAGE ST	MCDONALD	PA	15057
Washington	460-020-03-00-0006-00	KLINSKY ANN MARIE	29 MERIAGE S	MCDONALD	PA	15057
Washington	460-020-03-00-0007-00	GEMO JANE REVOCABLE TRUST	20 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-03-00-0016-00	DEJOHN DOMINIC F	12 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-03-00-0017-00	FEDINETZ TROY	40 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-05-00-0001-00	LIBERT LON A	50 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0001-01	LIBERT EDITH R	52 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0002-00	FARROW BENJAMIN J & ERIN P WILLIAMS	54 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0002-01	AMMON EDWARD C & PAULETTE R RLT	56 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0003-00	THOMAS EDWARD J III & BONNIE	1 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0004-00	SHIREY KERRI MARIE & JASON D	5 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0005-00	SHERWIN GREGORY L & SUSAN J	7 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0006-00	KRESS FLOYD W	7 KRESS LN	MCDONALD	PA	15057
Washington	460-020-05-00-0006-03	SHERWIN GREGORY L & SUSAN J	10 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0009-00	KENDALL LORETTA R & LORETTA BARBARA	PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0012-00	FEHL KENNETH & REBECCA A	11 MERIAGE ST	MCDONALD	PA	15057
Washington	460-020-05-00-0014-01	WORSTELL LAWRENCE JR & EILEEN	4 KRESS LN	MCDONALD	PA	15057
Washington	460-020-05-00-0015-00	WORSTELL LARRY	OFF OF KRESS LN	MCDONALD	PA	15057
Washington	460-021-00-00-0001-00	FEDINETZ ROBERT L	25 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-021-00-00-0004-04	THOMAS EDWARD J III & GERALD A &	26 TOP ST	MCDONALD	PA	15057
Washington	460-021-00-00-0006-00	WEINMAN MICHAEL P & KARA L	97 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0006-01	DELESTINE HAROLD A & CHRISTINE	93 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0008-01	MT PLEASANT EXEMPT	110 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-021-00-00-0010-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-021-00-00-0012-01	MORAN JOHN L III & K M KEENAN	55 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0016-01	KRAMER JOHN W	64 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0019-00	MERIGO DOROTHY MAY	47 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0021-00	CW & BROS	220 E PIKE ST	Houston	PA	15342
Washington	460-021-00-00-0023-00	SCHULTZ BERNARD L & KAY L	220 GALATI RD	MCDONALD	PA	15057
Washington	550-012-00-00-0001-00	CHAMPION PROCESSING INC	ROBINSON HWY		PA	
Washington	550-012-00-00-0005-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-012-00-00-0007-01	ALOE FAMILY 1994 LDT PART	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-012-00-00-0007-02	PERSHINA VICTOR 11 & DIANE J	1100 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-012-00-00-0007-03	GEDMAN BARBARA	770 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-03	FROBOUCK STEPHEN C & REANETTE	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-05	FELLNER JOHN J	857 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-06	FERGUSON ROBB A & GLORIA J	855 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-07	LAVSA RICHARD A	738 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-10	KOZLOWSKI GREGORY A & PATRICIA	44 SHELTYE DR	MCDONALD	PA	15057
Washington	550-015-00-00-0002-00	LUCCHINO GEORGE M & ANNA K	475 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0003-01	LUCCHINO GEORGE M & ANNA K	399 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0004-01	FINE PATRICIA M &, CLYDE E MUNGER	3103 DONALDSON RD	MCDONALD	PA	15057
Washington	550-016-00-00-0024-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-016-00-00-0026-00	PENN R R	PENN STATION	Pittsburgh	PA	15200
Washington	550-016-00-00-0028-00	ZALAZNIK PAULA ANN & CYNTHIA	2205 QUICKSILVER RD	MCDONALD	PA	15057
Washington	550-016-00-00-0039-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-016-00-00-0042-00	NORTH STAR COAL CO		MCDONALD	PA	15057
Washington	550-017-00-00-0001-01	HACKERS INC	2000 QUICKSILVER RD	MIDWAY	PA	15060
Washington	550-017-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-017-00-00-0005-00	ANDERSON LEON &, PAMELA RICHARDSON ANDERSON	1462 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0006-00	MACHEK DANIEL	402 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0006-01	MACHEK DANIEL	402 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0009-00	COLUMBUS MICHAEL L & JOAN C	1252 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0010-00	MCKAY JOHN R & FRANCIS A	1230 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0010-01	ALLEN RONALD E JR & PENELOPE	1228 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0022-00	MEYER RUTH & ROBERT		MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	550-017-00-00-0024-00	BOGAR WILLIAM SR & TODD JOSEPH & WILLIAM BOGAR JR	DONALDSON RD	MCDONALD	PA	15057
Washington	550-017-00-00-0025-04	BRACKMAN BOYCE & SHIRLEY M	9 FIELDCREST DR	MCDONALD	PA	15057
Washington	550-017-00-00-0025-09	SARNOWSKI CHRISTOPHER J &	FIELDCREST DR	MCDONALD	PA	15057
Washington	550-017-02-00-0001-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-017-03-00-0008-00	MACHEK DANIEL	402 ROBINSON HIWY	MCDONALD	PA	15057
Washington	550-018-00-00-0001-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-018-00-00-0001-01	MCDONALD SPORTSMENS ASSN	8699 COOKS RD	MCDONALD	PA	15057
Washington	550-018-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-018-00-00-0003-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-021-00-00-0001-00	BOZIC LEE	PO BOX 129	Midway	PA	15060
Washington	550-021-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-021-00-00-0005-00	THOMAS JANET & LARRY	62 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0006-00	MIXTER MICHAEL E & DENISE M ET AL	78 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0007-00	JAMISON JOHN R & LYNN S RLT	90 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0008-00	BORNER THOMAS E	102 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0009-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-021-00-00-0013-00	ZAK MARTA L & DANIEL A MACHEK	42 STATION ST	Bulger	PA	15019
Washington	550-021-00-00-0014-00	FEDINETZ TROY	40 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	550-021-00-00-0015-01	ZIRWAS BETTY J & JOHN J	8620 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	550-021-00-00-0015-02	TORTORICE ARTHUR P & KELLIE	8606 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	550-021-00-00-0016-00	MCDONALD SPORTSMEN ASSN INC	8699 COOKS RD	MCDONALD	PA	15057
Washington	550-021-00-00-0017-00	VEGELER WILLIAM ET AL	209 5TH ST	MCDONALD	PA	15057
Washington	550-021-00-00-0017-02	ALOE FAMILY 1994 LDT PART	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-021-00-00-0022-00	VINCENTI DONALD J & SHIRLEY M	8600 COOKS RD	MCDONALD	PA	15057

Requirement B

Application Fee

PART ONE: WATER OBSTRUCTIONS AND ENCROACHMENTS**SECTION A. APPLICATION FEES**☒ **WATER OBSTRUCTION AND ENCROACHMENT PERMIT** (Joint Permit Application)

Some activities or structures within a project may also qualify for an accumulation of General Permit fees, please mark the box above indicating an Individual Water Obstruction and Encroachment Permit AND the corresponding fee(s) in the General Permit section below those. Activities or structures not qualifying for a General Permit fee must include a disturbance fee.

<input checked="" type="checkbox"/> Administrative Filing Fee ¹		\$ 1,750	+	
<input checked="" type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	0.3 acres x \$4,000 =	\$ 1,200	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	0.2 acres x \$8,000 =	\$ 1,600		= \$ 2,800
WO&E FEE subtotal (a)				\$ 4,550

☒ **GENERAL PERMIT(S)** (select activity/structure(s) below, see page 4 for “#” explanation)

Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

<input type="checkbox"/> GP-1 Fish Habitat Enhancement Structures		\$ 50	= \$	
<input type="checkbox"/> GP-2 Small Docks and Boat Launching Ramps.....	(#) X	\$ 175	= \$	
<input type="checkbox"/> GP-3 Bank Rehabilitation, Bank Protection and Gravel Bar Removal.....	(#) X	\$ 250	= \$	
<input type="checkbox"/> GP-4 Intake and Outfall Structures	(#) X	\$ 200	= \$	
<input checked="" type="checkbox"/> GP-5 Utility Line Stream Crossings ²	1 (#) X 46 (#) X	\$ 250	= \$	11,500
<input type="checkbox"/> GP-6 Agricultural Crossings and Ramps.....	(#) X	\$ 50	= \$	
<input checked="" type="checkbox"/> GP-7 Minor Road Crossings ²	1 (#) X	\$ 350	= \$	350
<input checked="" type="checkbox"/> GP-8 Temporary Road Crossings ²	43 (#) X	\$ 175	= \$	7,525
<input type="checkbox"/> GP-9 Agricultural Activities.....		\$ 50	= \$	
<input type="checkbox"/> GP-10 Abandoned Mine Reclamation		\$ 500	= \$	
<input type="checkbox"/> GP-11 Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	acres x \$4,000 =	\$	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	acres x \$8,000 =	\$	= \$	
<input type="checkbox"/> GP-15 Private Residential Construction in Wetlands ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	acres x \$4,000 =	\$	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	acres x \$8,000 =	\$	= \$	
GP(s) FEE subtotal (b)				\$ 19,375

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) **\$ 23,925**

SECTION B. OTHER FEES

<input type="checkbox"/> Environmental Assessment for Waived Activities (§105.13(c)(2)(iv))		\$ 500		\$ 0
<input type="checkbox"/> Amendment to Water Obstruction and Encroachment Permit				
<input type="checkbox"/> Major Amendment ¹		\$ 500	+	
<input type="checkbox"/> Temporary Disturbance.....	acres x \$4,000 =	\$	+	\$ 0
<input type="checkbox"/> Permanent Disturbance.....	acres x \$8,000 =	\$	= \$	0
<input type="checkbox"/> Minor Amendment		\$ 250		\$ 0

Transfer of Water Obstruction and Encroachment Permit *does not require submission of this form;*
see [Application for Transfer of Permit / Submerged Lands License Agreement \(3150-PM-BWEW-0016\)](#)

PART ONE: SECTION B. OTHER FEE(S) subtotal (d) **\$ 0**

PART ONE: FEE(S) TOTAL (c+d=e) **\$ 23,790**

DEP USE ONLY

FEE TOTAL: _____
Correct Amount: _____
Check Amount: _____

Permit / Authorization Number (s): _____
Check #: _____
Payable to: _____

PART TWO: DAM SAFETY (USE ONE FEE SHEET PER DAM)**SECTION A. APPLICATION FEES**☐ **DAM PERMIT APPLICATION – NEW DAM**

<input type="checkbox"/> Size A	<input type="checkbox"/> Hazard 1 \$26,500	<input type="checkbox"/> Hazard 2 \$26,500	<input type="checkbox"/> Hazard 3 \$25,500	<input type="checkbox"/> Hazard 4 \$23,500	\$ _____
<input type="checkbox"/> Size B	<input type="checkbox"/> Hazard 1 \$19,000	<input type="checkbox"/> Hazard 2 \$19,000	<input type="checkbox"/> Hazard 3 \$18,500	<input type="checkbox"/> Hazard 4 \$17,000	\$ _____
<input type="checkbox"/> Size C	<input type="checkbox"/> Hazard 1 \$10,500	<input type="checkbox"/> Hazard 2 \$10,500	<input type="checkbox"/> Hazard 3 \$10,000	<input type="checkbox"/> Hazard 4 \$ 8,000	\$ _____

☐ **STAGED CONSTRUCTION**

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.90 (90%) \$ _____

☐ **DAM PERMIT APPLICATION – MODIFICATION OF DAM**

<input type="checkbox"/> Size A	<input type="checkbox"/> Hazard 1 \$18,500	<input type="checkbox"/> Hazard 2 \$18,500	<input type="checkbox"/> Hazard 3 \$18,500	<input type="checkbox"/> Hazard 4 \$18,000	\$ _____
<input type="checkbox"/> Size B	<input type="checkbox"/> Hazard 1 \$12,000	<input type="checkbox"/> Hazard 2 \$12,000	<input type="checkbox"/> Hazard 3 \$12,000	<input type="checkbox"/> Hazard 4 \$11,500	\$ _____
<input type="checkbox"/> Size C	<input type="checkbox"/> Hazard 1 \$ 7,500	<input type="checkbox"/> Hazard 2 \$ 7,500	<input type="checkbox"/> Hazard 3 \$ 7,500	<input type="checkbox"/> Hazard 4 \$ 7,500	\$ _____

☐ **STAGED CONSTRUCTION**

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.85 (85%) \$ _____

☐ **DAM PERMIT APPLICATION – OPERATION & MAINTANANCE OF EXISTING DAM**

<input type="checkbox"/> Size A	<input type="checkbox"/> Hazard 1 \$12,500	<input type="checkbox"/> Hazard 2 \$12,500	<input type="checkbox"/> Hazard 3 \$12,000	<input type="checkbox"/> Hazard 4 \$10,000	\$ _____
<input type="checkbox"/> Size B	<input type="checkbox"/> Hazard 1 \$10,000	<input type="checkbox"/> Hazard 2 \$10,000	<input type="checkbox"/> Hazard 3 \$ 9,500	<input type="checkbox"/> Hazard 4 \$ 8,500	\$ _____
<input type="checkbox"/> Size C	<input type="checkbox"/> Hazard 1 \$ 7,000	<input type="checkbox"/> Hazard 2 \$ 7,000	<input type="checkbox"/> Hazard 3 \$ 6,500	<input type="checkbox"/> Hazard 4 \$ 6,000	\$ _____

PART TWO: SECTION A. APPLICATION FEE(S) subtotal (a) \$ 0**SECTION B. OTHER FEES**☐ Letter of Amendment or Authorization☐ Major (≥\$250,000)

<input type="checkbox"/> Size A \$14,700	<input type="checkbox"/> Size B \$ 8,700	<input type="checkbox"/> Size C \$ 4,400	\$ _____
--	--	--	----------

☐ Minor (<\$250,000)

<input type="checkbox"/> Size A \$ 1,300	<input type="checkbox"/> Size B \$ 1,000	<input type="checkbox"/> Size C \$ 650	\$ _____
--	--	--	----------

☐ Major Dam Design Revision

<input type="checkbox"/> Size A \$ 4,700	<input type="checkbox"/> Size B \$ 3,200	<input type="checkbox"/> Size C \$ 1,700	\$ _____
--	--	--	----------

☐ Environmental Assessment☐ Environmental Assessment for Dam Removal (§105.12(a)(16)) \$ 500 \$ _____☐ Non-Jurisdictional Dams \$ 900 \$ _____☐ Letter of Amendment or Authorization

<input type="checkbox"/> Size A \$ 1,400	<input type="checkbox"/> Size B \$ 1,000	<input type="checkbox"/> Size C \$ 900	\$ _____
--	--	--	----------

☐ Transfer of Dam Permit

<input type="checkbox"/> No Proof of Financial Responsibility \$ 550	<input type="checkbox"/> Proof of Financial Responsibility \$300	\$ _____
--	--	----------

☐ Annual Registration

<input type="checkbox"/> Hazard 1 \$ 1,500	<input type="checkbox"/> Hazard 2 \$ 1,500	<input type="checkbox"/> Hazard 3 \$ 800	\$ _____
--	--	--	----------

PART TWO: SECTION B. OTHER FEE(S) subtotal (b) \$ 0**PART TWO: FEE(S) TOTAL (a+b=c)** \$ 0**DEP USE ONLY**

FEE TOTAL: _____	Permit / Authorization Number (s): _____
Correct Amount: _____	Check #: _____
Check amount: _____	Payable to: _____

Requirement C

Acts 14/67/68/127 Notifications and Receipts

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770223864380 Delivered
Date: Wednesday, September 13, 2017 9:48:47 AM

FedEx®

Your package has been delivered

Tracking # 770223864380

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM

Pittsburgh, PA 15220

US

Delivery date:

Wed, 9/13/2017 9:33 am

Washington County

Commissioners

Washington County

Commissioners

100 West Beau Street, Suite

702 Courthouse Square

Washington, PA 15301

US

Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770223864380
Status:	Delivered: 09/13/2017 09:33 AM Signed for By: D.JOHNSON
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	D.JOHNSON
Delivery location:	Washington, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 10:30 am

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Thank you for your business.

September 11, 2017

Washington County Board of
Commissioners
100 W. Beau Street
Washington, PA 15301

Via FedEx: 7702 2386 4380

Dear County Commissioners:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name:	Falcon Ethane Pipeline System
Project Description:	Installation of approximately 13.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name:	Shell Pipeline Company LP
Applicant Contact:	Robert Wooten 150 North Dairy Ashford #A2036G Houston Texas, 77079 Phone: (832) 762-2568
Site Location:	See attached Location Map.
Municipality/County:	Chartiers, Mount Pleasant, and Robinson Townships, Washington County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

This letter is intended to satisfy the requirements of Pennsylvania Acts 14, 67, 68, and 127 and the Pennsylvania Municipalities Planning Code. Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a PADEP permit must give written notice to the municipality(ies) and the county(ies) in which the permitted activity is located. The written notices shall be received by the municipality(ies) and county(ies) at least 30 days before the PADEP may issue or deny the permit.

Acts 67 and 68, which amended the Municipalities Planning Code to support sound land use practices and planning efforts, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code.

Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,



Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770224001737 Delivered
Date: Wednesday, September 13, 2017 9:52:16 AM

FedEx®

Your package has been delivered

Tracking # 770224001737

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM

Pittsburgh, PA 15220

US

Delivery date:

Wed, 9/13/2017 9:48 am

William Kiehl & Jodi Noble

Chartiers Township

2 Buccaneer Drive

HOUSTON, PA 15342

US

 **Delivered**

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770224001737
Status:	Delivered: 09/13/2017 09:48 AM Signed for By: B.SMALL
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	B.SMALL
Delivery location:	HOUSTON, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 10:30 am

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Thank you for your business.

September 11, 2017

William Kiehl, Chairman of Board of
Supervisors
Jodi Noble, Township Manager
Chartiers Township
2 Buccaneer Drive
Houston, PA 15342

Via FedEx: 7702 2400 1737

Dear Supervisors:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name:	Falcon Ethane Pipeline System
Project Description:	Installation of approximately 13.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name:	Shell Pipeline Company LP
Applicant Contact:	Robert Wooten 150 North Dairy Ashford #A2036G Houston Texas, 77079 Phone: (832) 762-2568
Site Location:	See attached Location Map.
Municipality/County:	Chartiers, Mount Pleasant, and Robinson Townships, Washington County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

This letter is intended to satisfy the requirements of Pennsylvania Acts 14, 67, 68, and 127 and the Pennsylvania Municipalities Planning Code. Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a PADEP permit must give written notice to the municipality(ies) and the county(ies) in which the permitted activity is located. The written notices shall be

received by the municipality (ies) and county(ies) at least 30 days before the PADEP may issue or deny the permit.

Acts 67 and 68, which amended the Municipalities Planning Code to support sound land use practices and planning efforts, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code.

Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,

A handwritten signature in blue ink, appearing to read "Natalie L. Shearer".

Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770224171770 Delivered
Date: Wednesday, September 13, 2017 9:32:34 AM

FedEx®

Your package has been delivered

Tracking # 770224171770

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM

Pittsburgh, PA 15220

US

Delivery date:

Wed, 9/13/2017 9:27 am


Gary Farner & Erin Sakalik

Mount Pleasant Township

31 McCarrell Rd

HICKORY, PA 15340

US

 **Delivered**

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770224171770
Status:	Delivered: 09/13/2017 09:27 AM Signed for By: T.LENHART
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	T.LENHART
Delivery location:	HICKORY, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 10:30 am

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Thank you for your business.

September 10, 2017

Gary Farner, Chairman of Board of
Supervisors
Erin Sakalik, Township Manager
Mount Pleasant Township
31 McCarrell Rd, Hickory, PA

Via FedEx: 7702 2417 1770

Dear Supervisors:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name:	Falcon Ethane Pipeline System
Project Description:	Installation of approximately 13.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name:	Shell Pipeline Company LP
Applicant Contact:	Robert Wooten 150 North Dairy Ashford #A2036G Houston Texas, 77079 Phone: (832) 762-2568
Site Location:	See attached Location Map.
Municipality/County:	Chartiers, Mount Pleasant, and Robinson Townships, Washington County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

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Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,



Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770224263671 Delivered
Date: Wednesday, September 13, 2017 10:25:00 AM

FedEx®



Your package has been delivered

Tracking # 770224263671

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM
Pittsburgh, PA 15220
US



Delivered

Delivery date:

Wed, 9/13/2017 10:20 am

Rodger Kendall & Monica Miller

Robinson Township
8400 Noblestown Road
MCDONALD, PA 15057
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: [770224263671](#)

Status: Delivered: 09/13/2017 10:20 AM
Signed for By: D.AMRIA

Invoice number: 10.5

Purchase order number: 60536988

Reference: 39940622.54210.50000

Signed for by: D.AMRIA

Delivery location: MCDONALD, PA

Delivered to: Receptionist/Front Desk

Service type: FedEx Priority Overnight

Packaging type: FedEx Envelope

Number of pieces: 1

Weight: 2.00 lb.

Special handling/Services: Deliver Weekday

Standard transit: 9/13/2017 by 10:30 am

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Thank you for your business.

September 11, 2017

Rodger Kendall, Chairman of Board
of Supervisors
Monica Miller, Township Manager
Robinson Township
8400 Noblestown Road
McDonald, PA 15057

Via FedEx: 7702 2426 3671

Dear Supervisors:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

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Project Description:	Installation of approximately 13.8 miles of 12-inch ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name:	Shell Pipeline Company LP
Applicant Contact:	Robert Wooten 150 North Dairy Ashford #A2036G Houston Texas, 77079 Phone: (832) 762-2568
Site Location:	See attached Location Map.
Municipality/County:	Chartiers, Mount Pleasant, and Robinson Townships, Washington County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

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municipality(ies) and the county(ies) in which the permitted activity is located. The written notices shall be received by the municipality(ies) and county(ies) at least 30 days before the PADEP may issue or deny the permit.

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Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

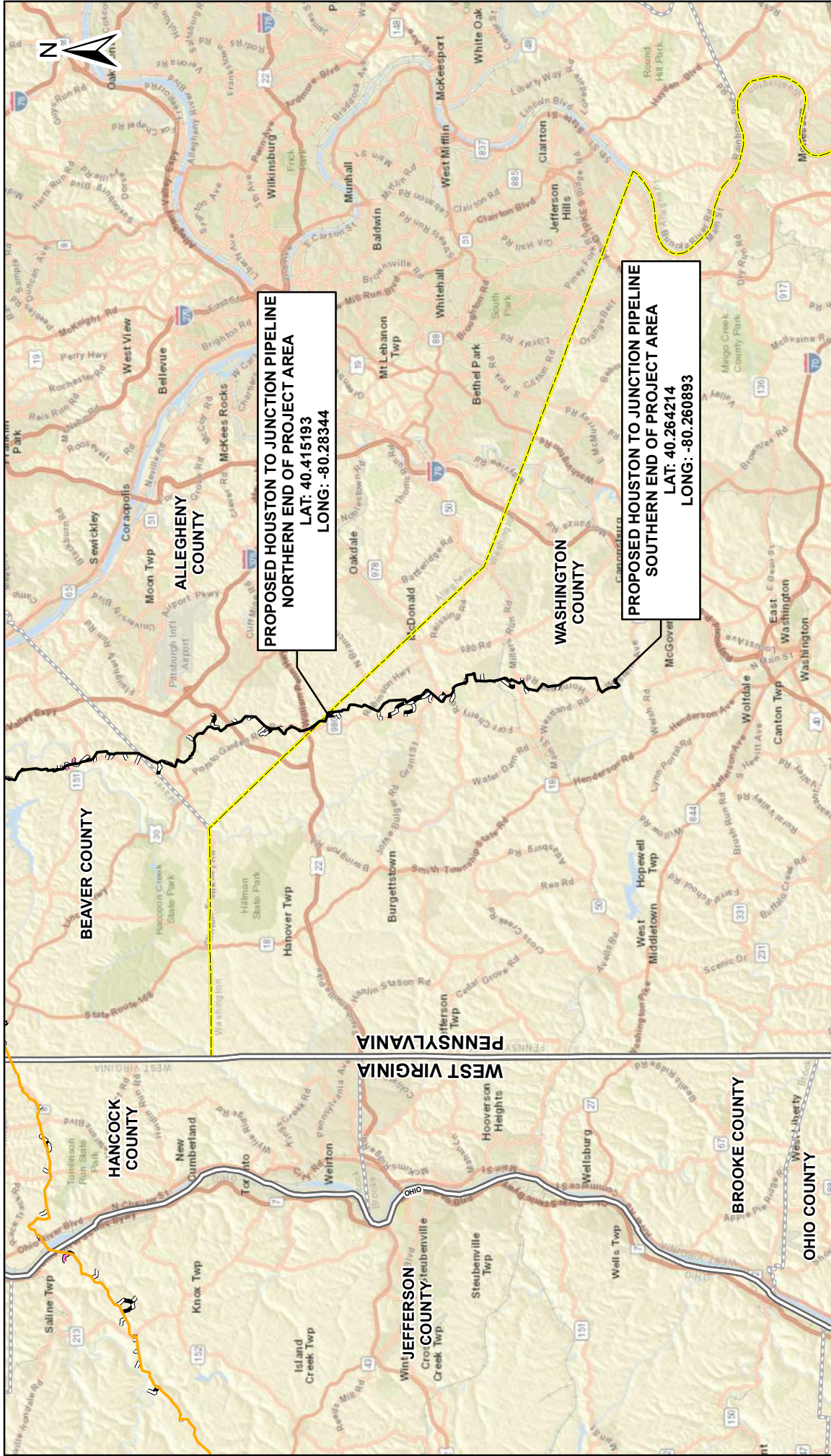
For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,



Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings



PROJECT LOCATION 		REFERENCE: AERIAL LAYER - SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N TRANSVERSE MERCATOR	
LEGEND PROPOSED PIPELINE - CADIZ TO SCIO - HOUSTON TO JUNCTION - JUNCTION TO MONACA - SCIO TO JUNCTION PERMANENT ACCESS ROAD TEMPORARY ACCESS ROAD WASHINGTON COUNTY COUNTY BOUNDARY STATE BOUNDARY 0 2.5 5 10 Miles 1 in = 5 miles		FIGURE 1 SITE LOCATION MAP WASHINGTON COUNTY, PENNSYLVANIA SHELL PIPELINE COMPANY LP HOUSTON, TX 77079 FOSTER PLAZA 6 661 ANDERSEN DRIVE SUITE 400 PITTSBURGH, PA 15220 412-503-4700	
SHELL PIPELINE COMPANY LP FALCON ETHANE PIPELINE SYSTEM		DRAWN BY: PMH DATE: 9/11/2017 APPROVED: NLS PROJECT #: 60536988	

Requirement D

Cultural Resource Coordination

Please see the Requirement D PDF

PHMC Correspondence and Cultural Resources Reports

PHMC Correspondence and Architectural History Reports

Requirement E

PASPGP-5 Reporting Criteria Checklist



PASPGP-5 REPORTING CRITERIA CHECKLIST

The following questionnaire must be completed (instructions on pages 1-6) and submitted as part of all DEP Chapter 105 applications / registrations to determine the appropriate Federal Pennsylvania State Programmatic General Permit-5 (PASPGP-5) review procedure. **Incomplete submissions, including lack of certification signature, will be returned.**

Applicant / Project Name: Shell Pipeline Company LP/Falcon Ethane Pipeline Project

County(s): Washington

SECTION A: ELIGIBILITY DETERMINATION

- YES ☐ NO ☒ 1. Does the proposed work associated with the Single and Complete Project temporarily and/or permanently impact greater than 1.0 acre of waters and/or wetlands, and/or result in the loss of greater than 1,000 linear feet of stream channel(s)?
- YES ☐ NO ☒ 2. Is any of the proposed work located waterward of the ordinary high water mark (OHWM) of any of the ineligible waterbodies identified in the instructions?
- YES ☐ NO ☒ 3. Has any portion of the proposed work been denied a DEP Chapter 105 Permit, a State Water Quality Certification as required under Section 401 of the Clean Water Act, or a Coastal Zone Consistency Determination?
- YES ☐ NO ☒ 4. Does the proposed work result in the diversion of more than 10,000 gallons per day of surface water or groundwater into or out of the Great Lakes Basin (Lake Erie Watershed)?

SECTION B: REPORTING ACTIVITY DETERMINATION

- YES ☐ NO ☒ 1. Does the proposed work associated with a Single and Complete Project, including any attendant features, permanently and/or temporarily impact greater than 0.5 acre of waters of the United States, including jurisdictional wetlands?
- YES ☐ NO ☒ 2a. Does the application/registration include any proposed Single and Complete Projects permanently impacting greater than 250 linear feet of streams, rivers, or other watercourses (excluding wetlands)?
- YES ☐ NO ☒ 2b. Is the Single and Complete Project for stream bank stabilization, rehabilitation, protection and/or enhancement and propose impacts of greater than 500 linear feet of stream channel(s)?
- YES ☐ NO ☒ 2c. Does the Single and Complete Project qualify for DEP GP-1 for Fish and Enhancement Structures?
- YES ☐ NO ☒ 2d. Is the project covered by a programmatic State Water Quality Certification issued by DEP - that is conditioned upon receiving approval by- the Environmental Review Committee?
- YES ☐ NO ☒ 3. Does the application/registration include any Single and Complete Projects that propose the permanent conversion of greater than 0.10 acre of forested and/or shrub-scrub wetlands in association with a regulated activity?
- YES ☐ NO ☒ 4. If the application/registration is for a utility line, do any of the single and complete projects in waters of the United States, including jurisdictional wetlands, exceed 500 linear feet (excluding overhead lines)?
- YES ☒ NO ☐ 5. Is this application/registration to place a buried utility line in waters and/or wetlands in a manner that the utility line will run parallel to or along a stream bed?

SECTION B: REPORTING ACTIVITY DETERMINATION (CONT)

- YES ☐ NO ☒ 6. Is the application/registration associated with a Single and Complete Project whereby a previous Department of the Army authorization has been issued through an Individual Permit, a Nationwide Permit, or a PASPGP processed by the Corps as a Category III/Reporting Activity? **If YES, please complete the following table.**

Authorization Type	Authorization Number	Date (mm/dd/yyyy)	Federal Permitted Impacts	
			Wetlands	Waters

- YES ☐ NO ☒ 7a. Is the proposed project located in waterways occupied by Federally listed, proposed, or candidate mussels or fish, or in waters of the United States within 300 feet of these listed waterways? See *instructions for list of waterways*.
- YES ☐ NO ☐ 7b. If 7a is yes, have you received documented clearance from the USFWS, or a Section 7 of the Endangered Species Act (ESA) "no effect" determination from the Corps? Documented clearance from the USFWS could include PNDI language stating "NO KNOWN IMPACT"; or, if in a USFWS letter the language must indicate "no effect" or "the project or activity will not affect Federally listed species."
- YES ☐ NO ☒ 8a. Does the project propose impacts to Federally regulated wetlands in a county that requires bog turtle screening procedures? See *instructions for list of counties*.
- YES ☐ NO ☐ 8b. If 8a is YES, have you received documented clearance from the USFWS, or a Section 7 ESA "no effects" determination from the Corps? Documented clearance from the USFWS could include PNDI language stating "NO KNOWN IMPACT"; or, if in a USFWS letter the language must indicate "no effect" or "the project or activity will not affect Federally listed species."
- YES ☒ NO ☐ 9a. Does the completed Pennsylvania Natural Diversity Inventory (PNDI) search receipt identify a potential conflict(s) for a Federally listed species?
- YES ☒ NO ☐ 9b. If YES for 9a, have you received additional documented Section 7 ESA clearance, or do you agree, through signing of the PNDI receipt, to comply with all avoidance measures identified on the PNDI receipt associated with Federally listed species for the proposed work?
- YES ☐ NO ☒ 10. Is the proposed work associated with maintenance dredging of a reservoir's design storage capacity, including the removal of accumulated sediments? This corresponds to activities authorized pursuant to Section 7 of the Dam Safety and Encroachments Act (DSEA), 32 P.S. § 693.1, et seq., and the rules and regulations promulgated there under in the PA Bulletin (codified at 25 PA. Code, Chapter 105, § 105.131(c)).
- YES ☒ NO ☐ 11a. If the DEP Chapter 105 application/registration requires submittal of a Cultural Resources Notification Form as part of the application/registration, have you included the response letter from the State Historic Preservation Officer (SHPO), i.e., Pennsylvania Historic and Museum Commission (PHMC) with your application/registration?
- YES ☒ NO ☐ 11b. Has the PHMC determined that archaeological or other cultural resources are believed to exist within the permit area?
- YES ☒ NO ☐ 11c. If yes for 11b, have you received follow-up documented clearance from PHMC, or a Section 106 "no effect" determination from the Corps?
- YES ☐ NO ☒ 12a. Does the proposed work occur in a component of the National Wild and Scenic River System or in a river officially designated by Congress as a "Study River" for possible inclusion in the System? See *instructions for listing*.
- YES ☐ NO ☐ 12b. If yes for 12a, have you received a written determination from the Federal agency with direct management responsibility for such river that the proposed activity will not adversely affect any Wild and Scenic River including study rivers?
- YES ☐ NO ☒ 13. Does the proposed project require the preparation of an Environmental Impact Statement?
- YES ☒ NO ☐ 14. Does the proposed regulated activity or area of indirect impact (secondary impact) extend across state boundaries (i.e., the work is not wholly located within the Commonwealth of Pennsylvania)?

SECTION B: REPORTING ACTIVITY DETERMINATION (CONT)

- YES ☐ NO ☒ 15. Is the proposed work authorized pursuant to DEP Chapter 105 permits in conjunction with coal and non-coal mining permits issued by the DEP District Mining Offices (Bureau of Mining and Reclamation), including activities authorized pursuant to Chapter 105 Waiver 4 [25 Pa. Code §105.12(a)(4)] and GP-101 and GP-102?
- YES ☒ NO ☐ 16. Is the proposed work associated with the construction of a Mitigation Bank or In Lieu Fee site developed to meet the requirements of the Corps and EPA April 10, 2008 Compensatory Mitigation for Losses of Aquatic Resources: Final Rule?
- YES ☐ NO ☒ 17. Will the proposed work alter, use, build upon, attempt to possess, or that may harm or impair any existing or proposed Corps Civil Works project, and any Corps-owned or managed property?
- YES ☐ NO ☒ 18a. Does the Single and Complete Project involve the construction or expansion of a residential, commercial or institutional subdivision or development?
- YES ☒ NO ☐ 18b. Does greater than 0.25 acre of wetland(s) exist within the property boundary that are not proposed to be directly impacted as part of this application/registration? **If YES, provide wetland acreage: 23 acres.**
- YES ☐ NO ☒ 18c. Are you proposing to protect the wetland area(s) through a deed restriction or conservation easement that follows the Corps' Model Protective Covenant?
- YES ☐ NO ☒ 19. Does the proposed work temporarily impact waters and/or wetlands that will remain in place for more than 1 year?
- YES ☐ NO ☒ 20. Do you have any other pending applications/registrations with the DEP or Corps that are necessary for this total proposed project to function and meet its intended purpose? **If YES, provide following information.**

Application / Registration Number / Type	Project Name	Date of Submittal to DEP (mm/dd/yyyy)	DEP / CCD Reviewing Office	Corps Reviewing Office

- YES ☐ NO ☒ 21. Are you proposing to do work in the Delaware River (upstream from the U.S. Route 202 Bridge in New Hope, Pennsylvania.) and/or the Lehigh River (from the mouth to Francis E. Walter Dam, located in Carbon and Luzerne County, Pennsylvania between March 15 and June 30)?
- YES ☐ NO ☒ 22a. Does the proposed work occur in any of the waters listed in the instructions?
- YES ☐ NO ☐ 22b. Will you comply with all of the identified conservation measures?

SECTION C: CERTIFICATION

I certify that the information provided on this form is true and correct to the best of my knowledge and information. If any of the information and/or plans is found to be in error, falsified, and/or incomplete, your Chapter 105/PASPGP-5 authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.



Signature of Applicant

11/9/17
Date

Stephen Van Stone
Attorney-in-Fact

Stephen Van Stone

Name Typed or Printed

IMPERVIOUS SURFACE DATA FOR CORPS

- YES ☐ NO ☒ 1a. Is your project located in the Corps of Engineers Philadelphia District (Delaware River Watershed), or in Chester, Lancaster, or York County?
- YES ☐ NO ☒ 1b. Does your project propose impervious surfaces within waters and wetlands? If YES, provide area of impervious surface within the footprint of waters and wetlands: floodway impact only square feet
- YES ☐ NO ☒ 1c. Does any part of your project propose the removal of any impervious surfaces? If YES, provide area of impervious surface being removed: _____ square feet

FOR DEP USE ONLY

DEP / District Manager Signature

Date

Name Typed or Printed

Permit Number

Requirement F

Bog Turtle Habitat Screening

(This requirement is not applicable due to this Project's location in counties where bog turtles do not occur)

Requirement G

PNDI Search and Approval

Please see the Requirement G PDF

DCNR Correspondence and Botanical Survey Reports

PFBC Correspondence

PGC Correspondence and Northern Harrier/Short Eared Owl Survey Report

**USFWS Correspondence and Bat Mist Net, Bald Eagle, and
Mussel Survey Reports**

Requirement H

Plans

FALCON ETHANE PIPELINE SYSTEM
 EROSION AND SEDIMENT CONTROL SITE SPECIFIC PLANS
 WASHINGTON COUNTY, PA

PREPARED FOR:
 SHELL PIPELINE COMPANY LP
 150 N DAIRY ASHFORD RD
 HOUSTON, TX 77079

SEPTEMBER, 2017
 REVISED: NOVEMBER, 2017

PREPARED BY:
 AECOM
 FOSTER PLAZA 6
 681 ANDERSEN DRIVE
 SUITE 400
 PITTSBURGH, PA 15220

						FALCON ETHANE PIPELINE SYSTEM	
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	SHELL PIPELINE COMPANY LP	
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	COVER	
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	WASHINGTON CO.	
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DATE:		09/14/17	SPLC-GOM-AE-SA124660			REV.	1
BY:		IMM					

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Last saved by: TASHINA MCKINNEY (12/4/2017 4:46 PM) Last Plotted: 2017-12-04 (12/4/2017 4:51 PM)

EXISTING:

	EXISTING CONTOURS (INDEX)		ROAD CENTERLINE
	EXISTING CONTOURS (INTERMEDIATE)		WATER LINE
	PROPERTY LINE		GUIDE RAIL
	STREAM		SIGN
	WETLAND		MAILBOX
	OPEN-ENDED WETLAND		TREE
	SANITARY SEWER		TELEPHONE PEDESTOOL
	FENCE LINE		GAS METER
	ELECTRIC UTILITY		WELL
	GAS LINE		PIPELINE MARKER
	OVERHEAD POWER LINE		CATCH BASIN
	CULVERT		PIPELINE TEST LEAD
	TREE / BRUSH LINE		WATER METER
	UTILITY POLE, GAS LINE MAKER		STORM SEWER MANHOLE
	RIPARIAN BUFFER (100' BUFFER)		SANITARY SEWER MANHOLE
	50' ASSUMED FLOODWAY		

PROPOSED:

	ACCESS ROAD CENTERLINE
	PROPOSED PIPELINE
	PROPOSED BORE/HDD
	PROPOSED LIMIT OF DISTURBANCE
	ACCESS ROAD CENTERLINE
	PROPOSED SILT FENCE (BY TYPE)
	PROPOSED COMPOST FILTER SOCK
	PROPOSED WATERBAR
	PROPOSED TRENCH PLUG
	PROPOSED ORANGE SAFETY FENCE
	PROPOSED TIMBER MAT
	PROPOSED EROSION CONTROL BLANKET
	PROPOSED STONE CONSTRUCTION ENTRANCE

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

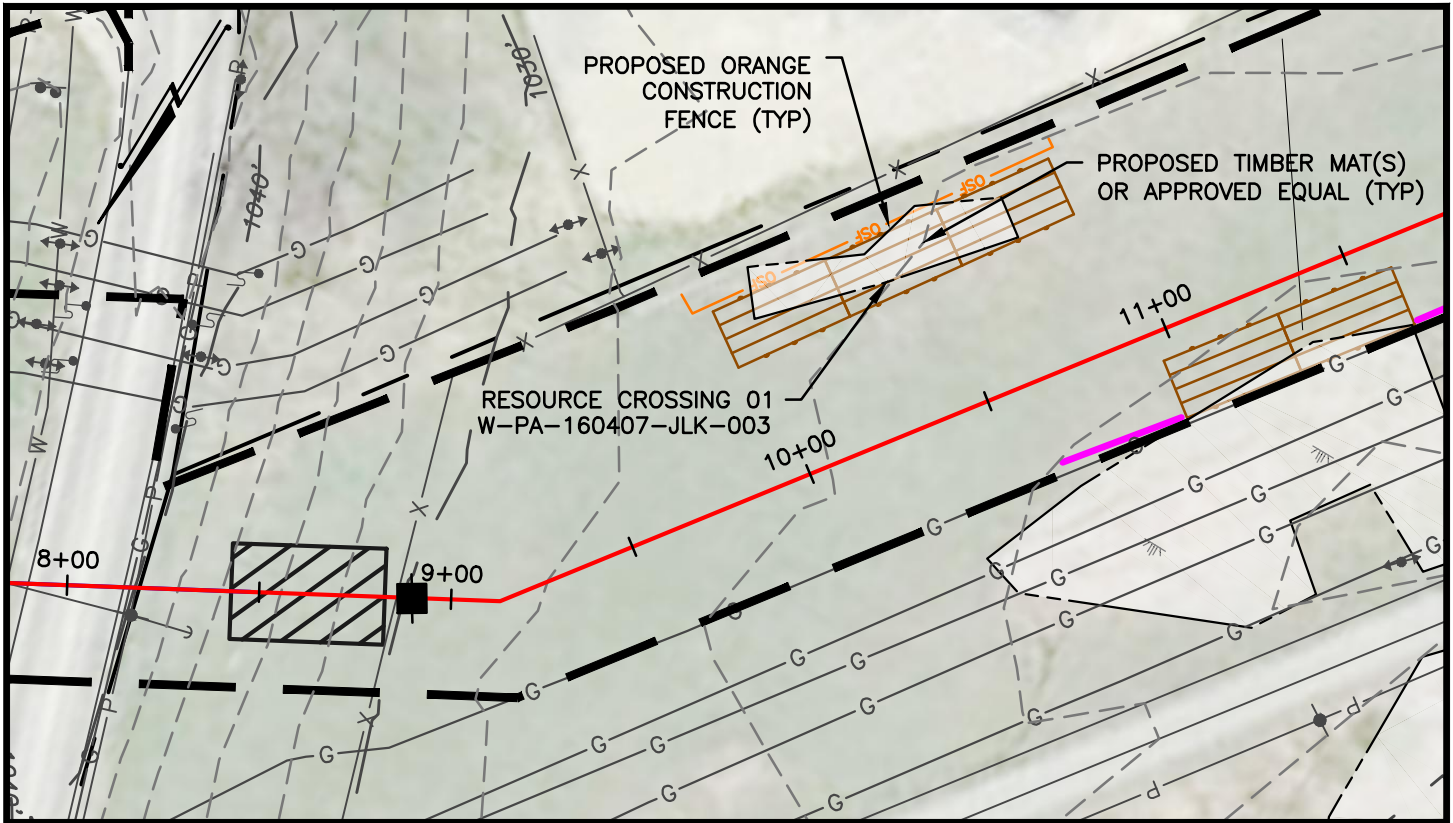
LEGEND

WASHINGTON CO.

PA

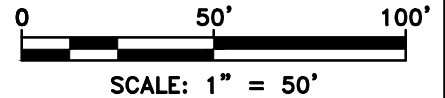
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NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
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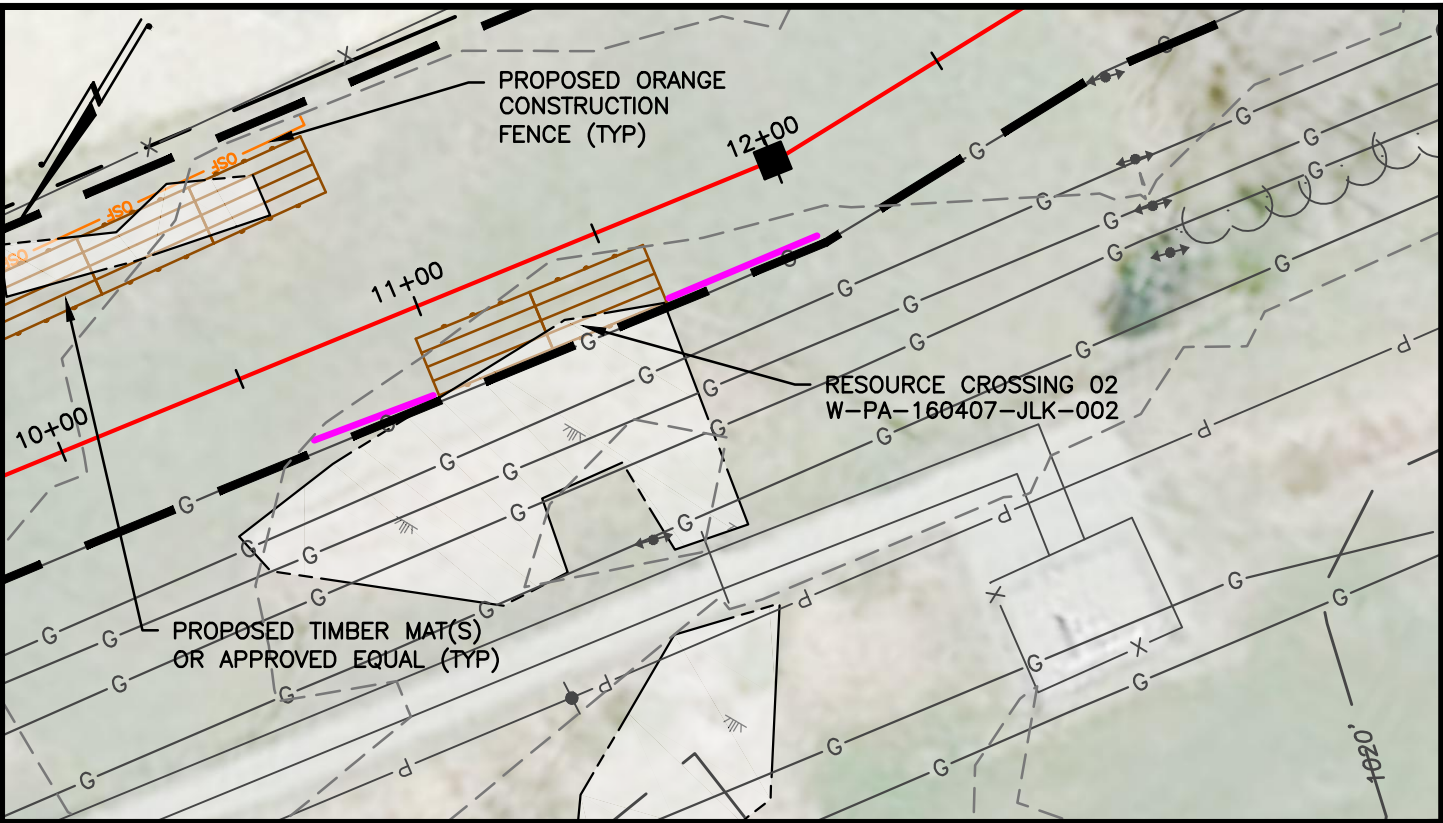
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FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS001 - RESOURCE CROSSING #1
CHARTIERS TOWNSHIP
WASHINGTON COUNTY, PA

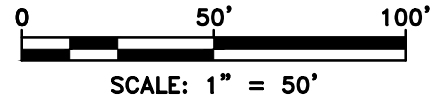
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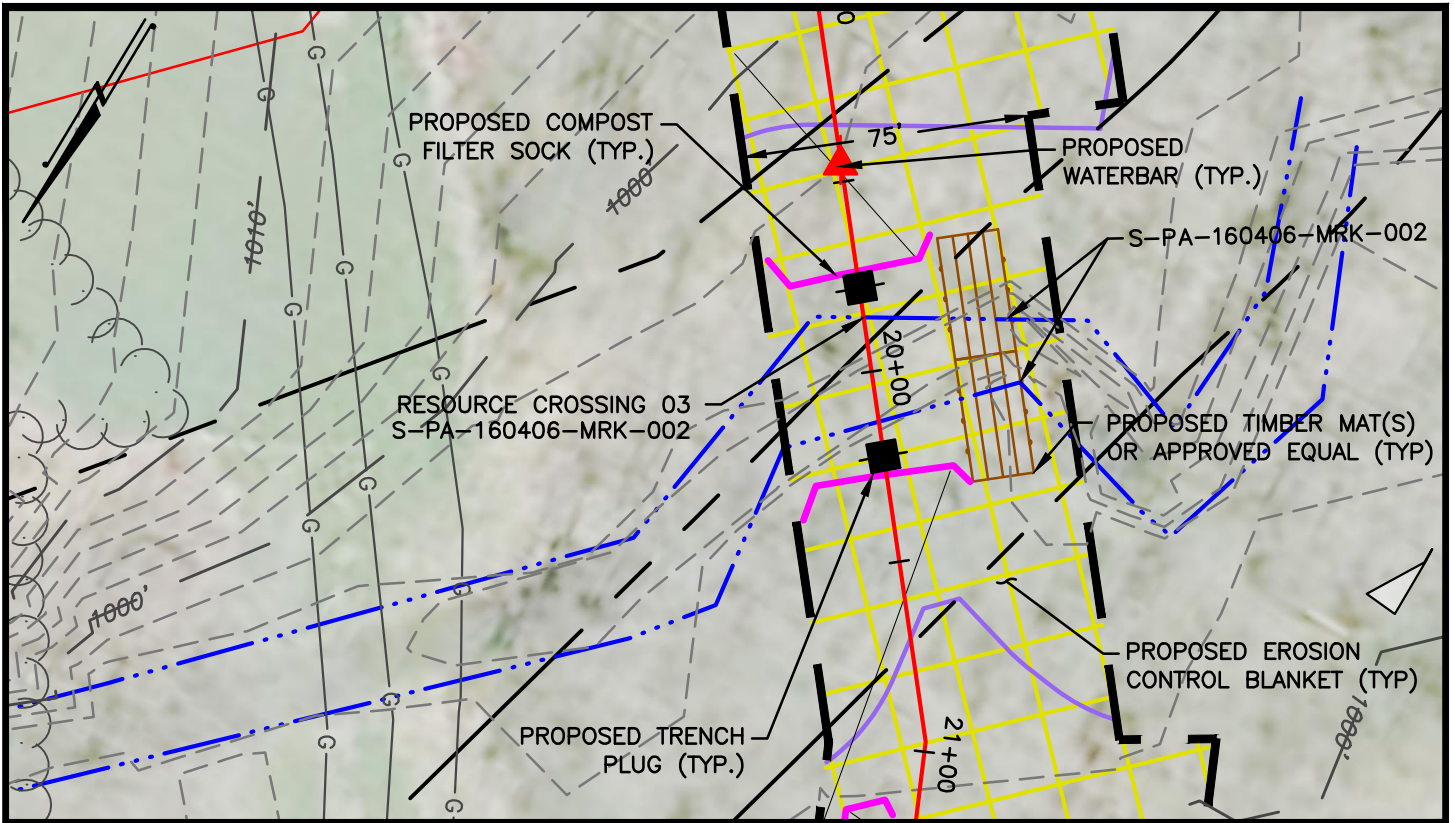
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**FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION**

**SS002 - RESOURCE CROSSING #2
CHARTIERS TOWNSHIP
WASHINGTON COUNTY, PA**

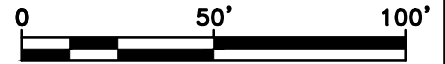
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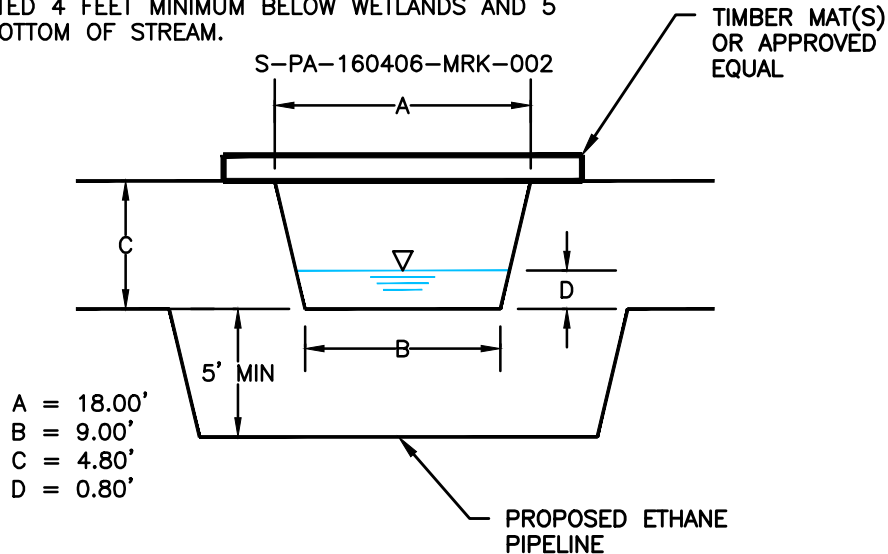


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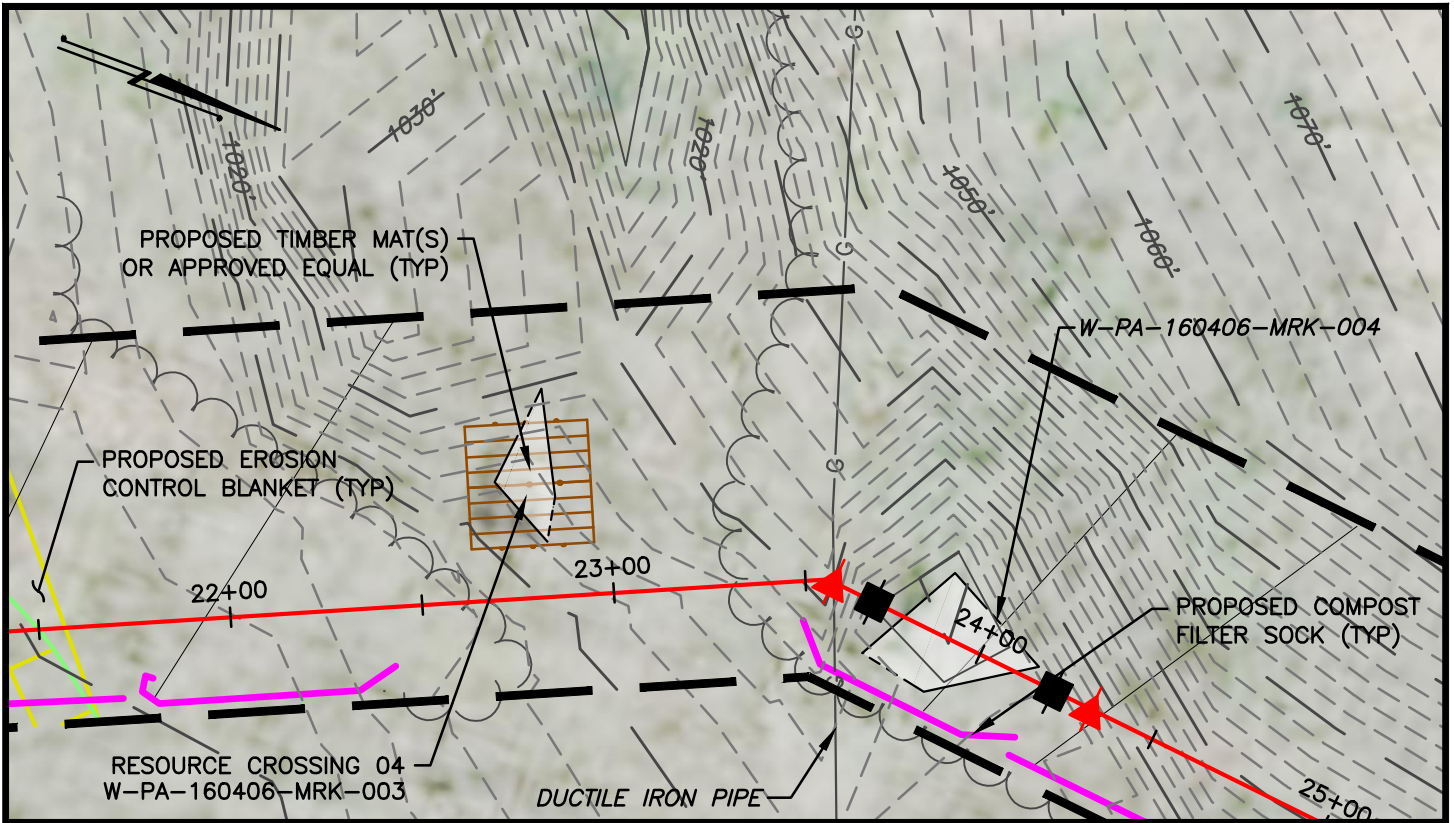


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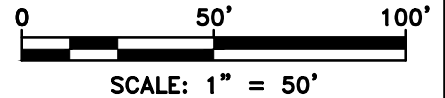
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HOUSTON TO JUNCTION					
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CHARTIERS TOWNSHIP					
WASHINGTON COUNTY, PA					
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			BY: IMM		
			SPLC-GOM-AE-SA124503		
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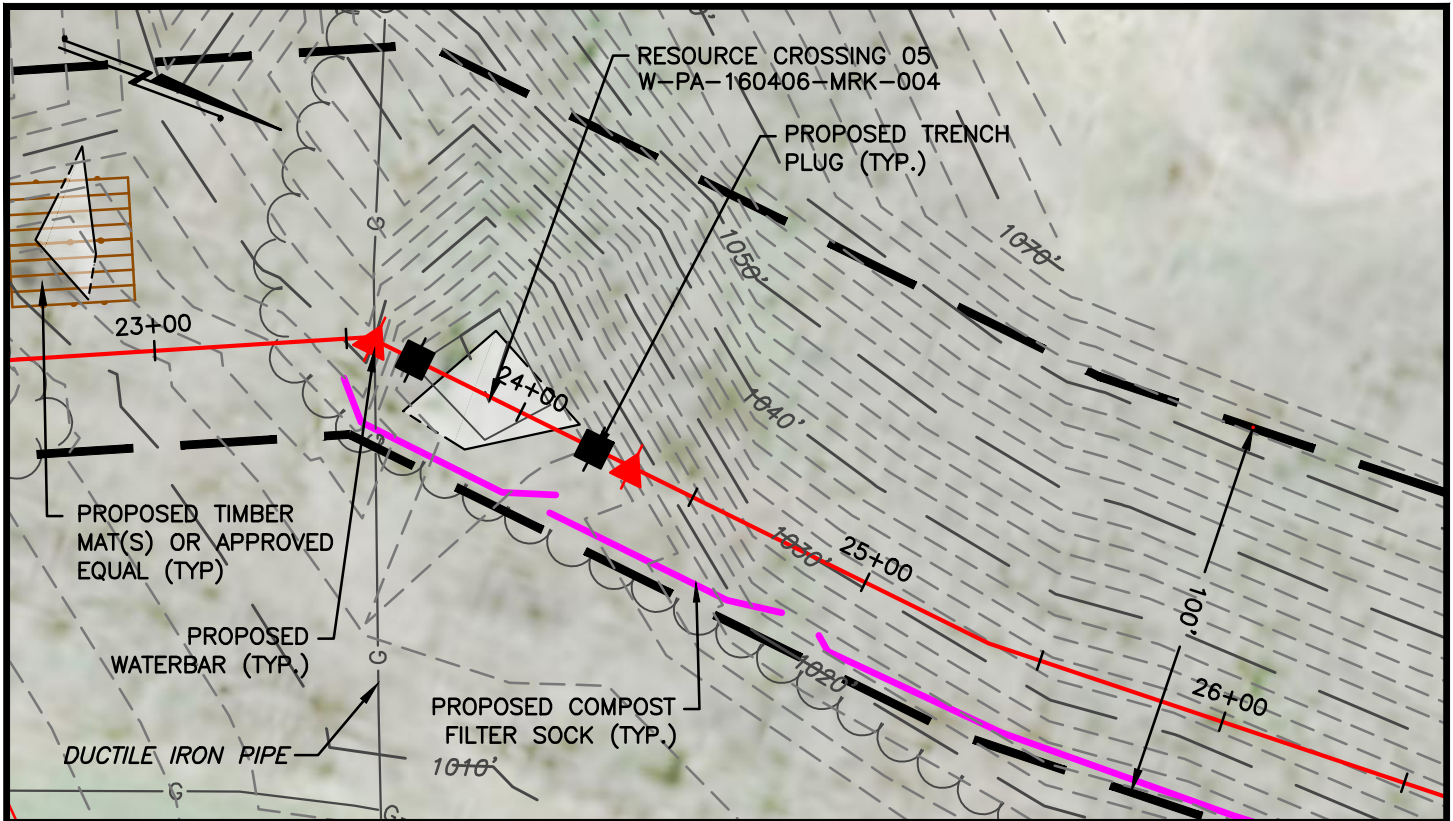
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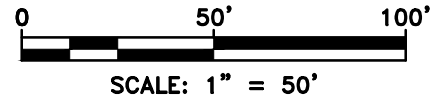
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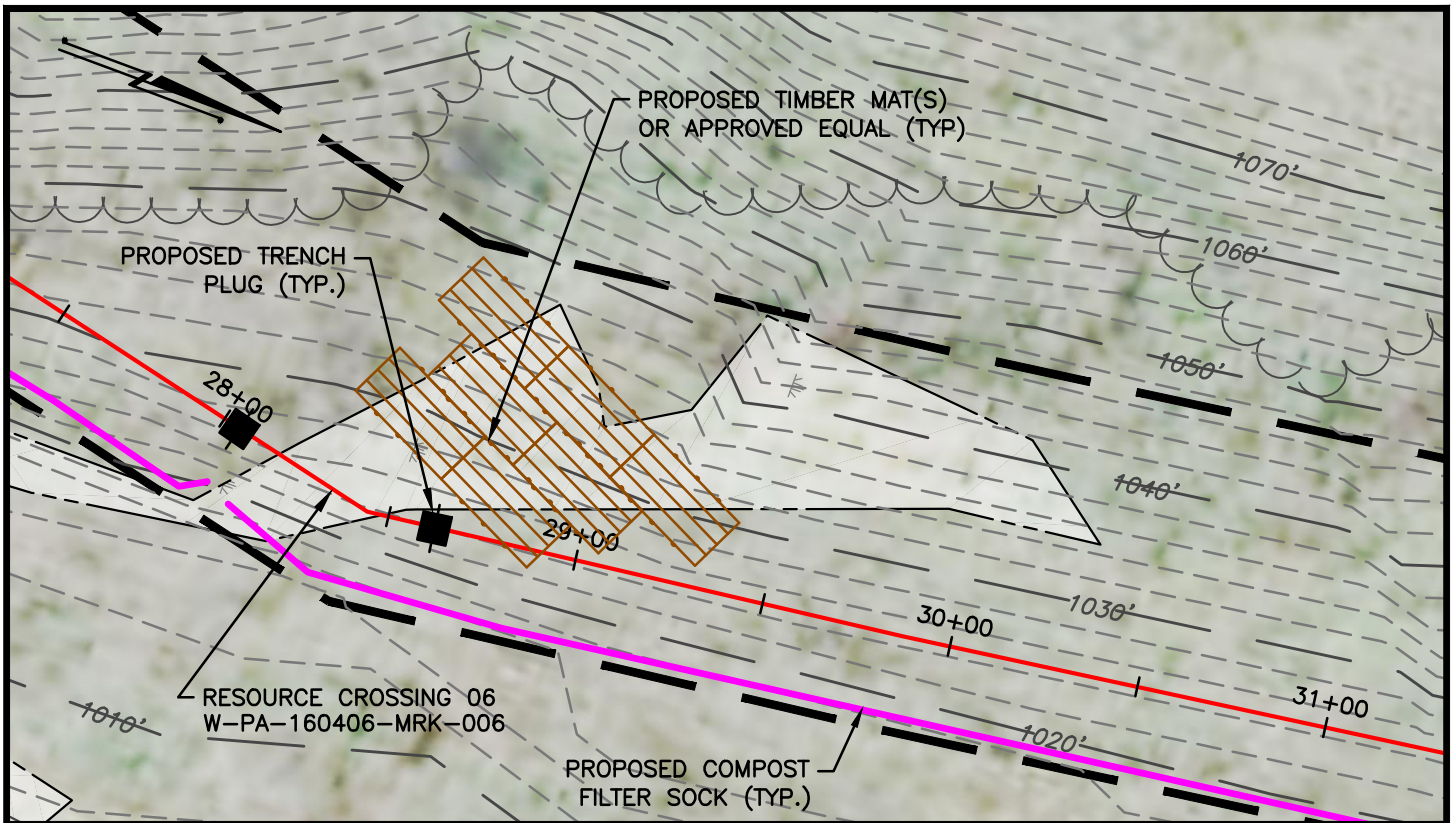


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DATE:		09/14/17		SPLC-GOM-AE-SA124505		REV.	
BY:		IMM				1	

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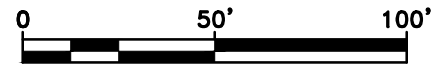
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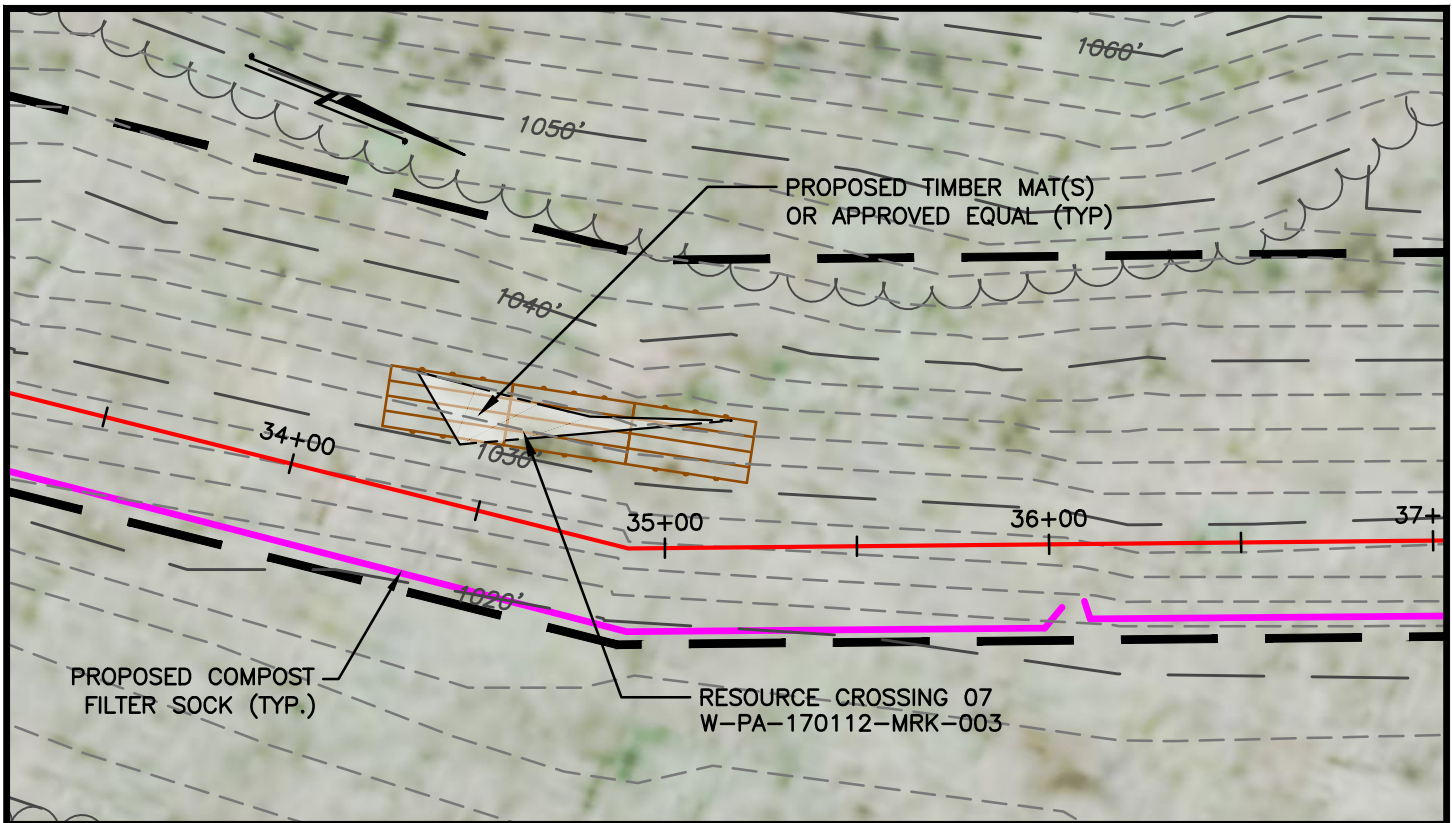
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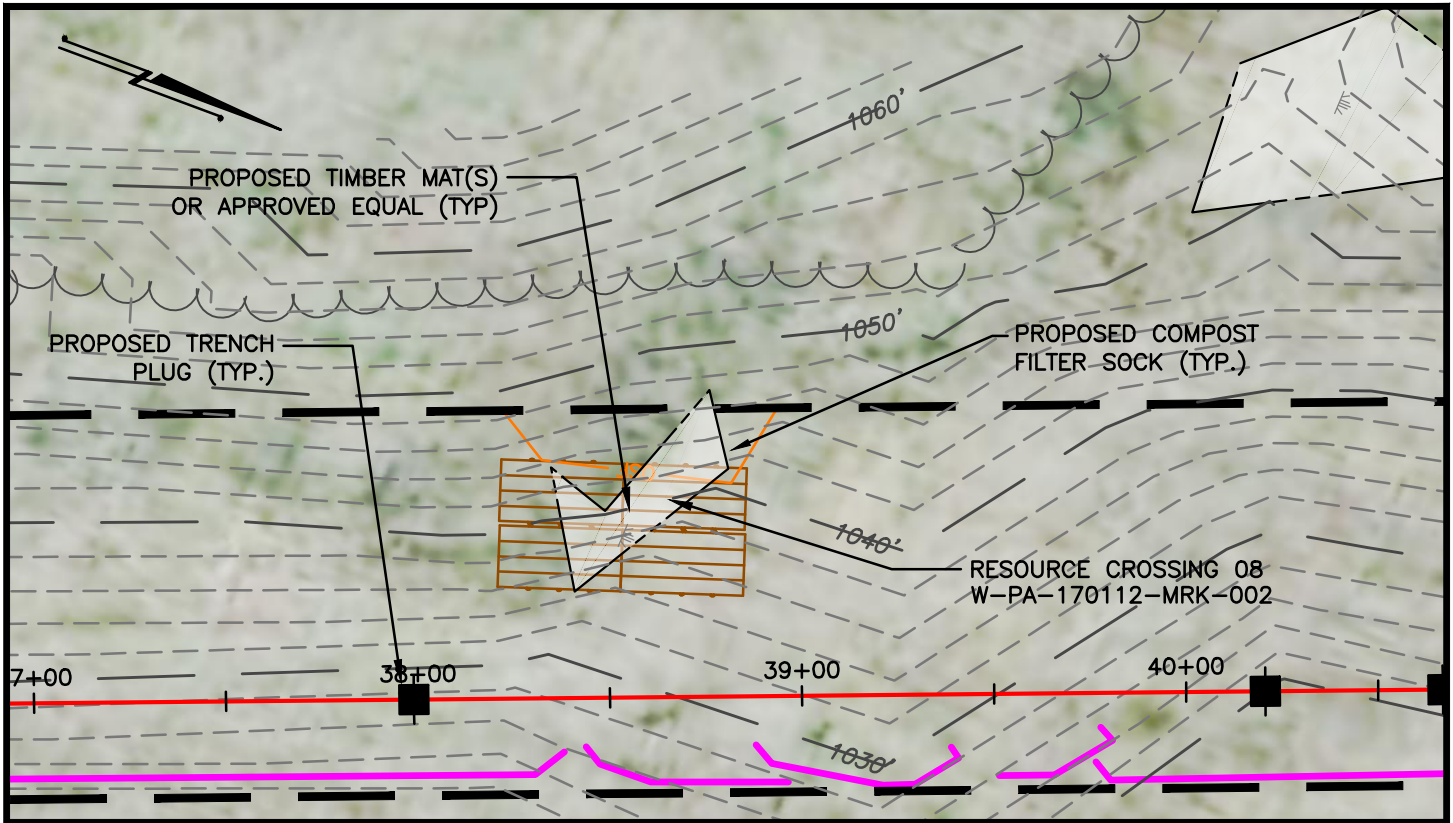
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

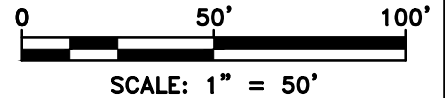
FALCON ETHANE PIPELINE SYSTEM					
HOUSTON TO JUNCTION					
SS008 - RESOURCE CROSSING #7					
CHARTIERS TOWNSHIP					
WASHINGTON COUNTY, PA					
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.					
DATE:		09/14/17	SPLC-GOM-AE-SA124507		
BY:		IMM	REV. 1		

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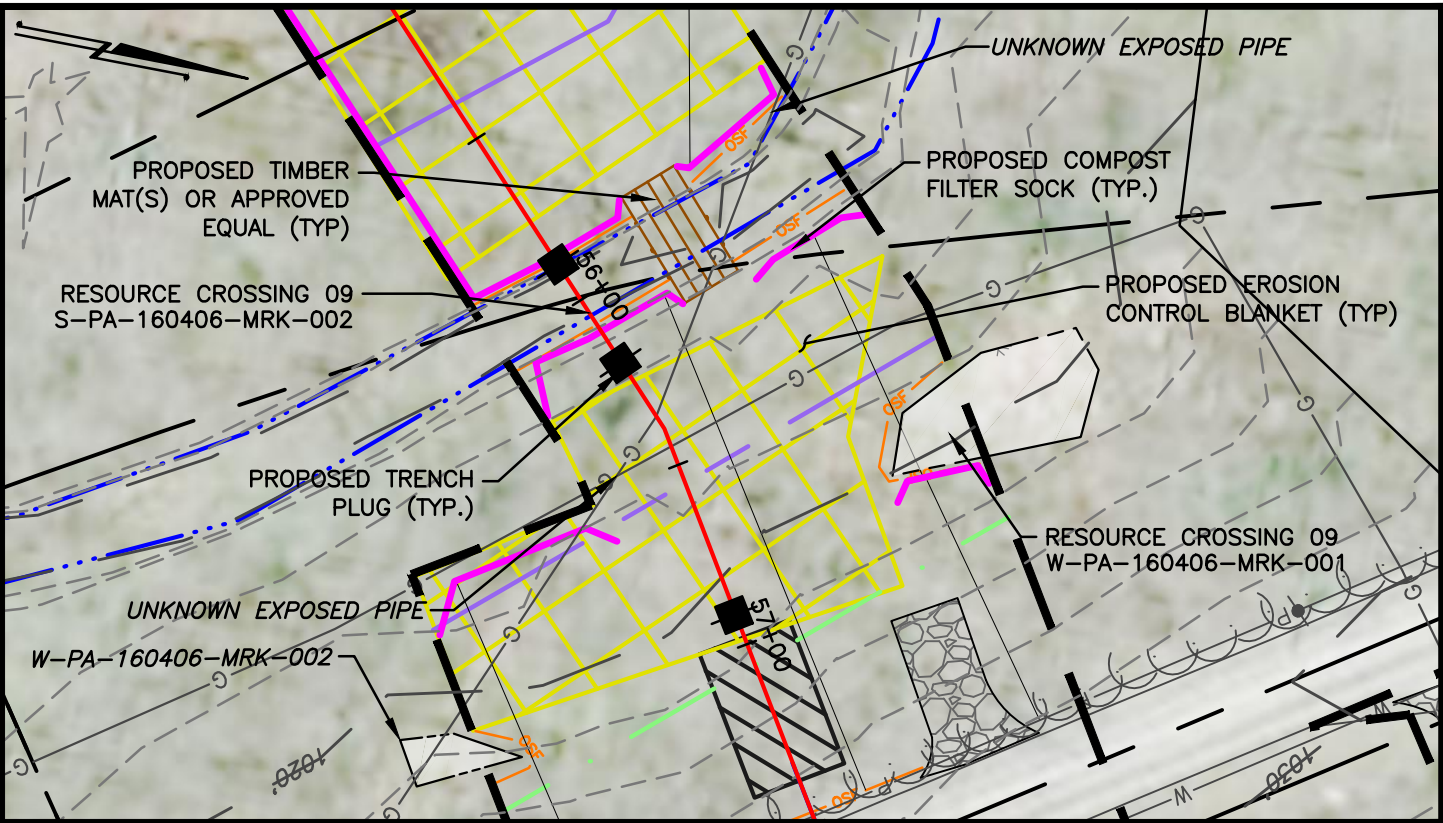
NOTES:

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2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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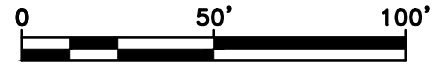
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	CHARTIERS TOWNSHIP, WASHINGTON COUNTY,		PA	
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.						DATE:	09/14/17	SPLC-GOM-AE-SA124508	REV. 1
						BY:	IMM		

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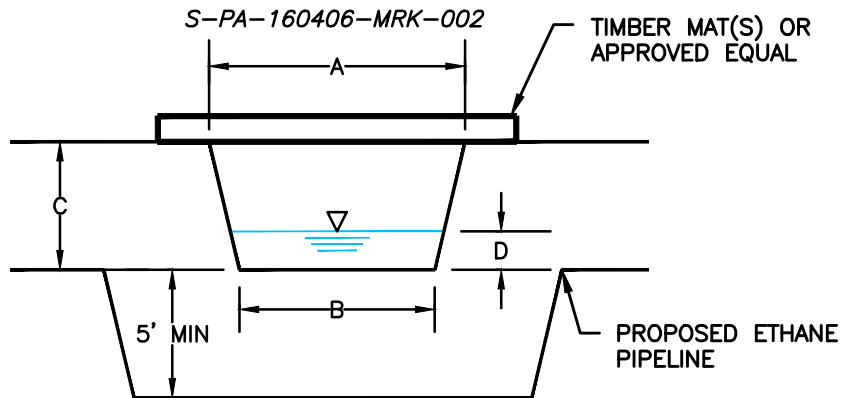
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1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

A = 18.00'
B = 9.00'
C = 4.80'
D = 0.80'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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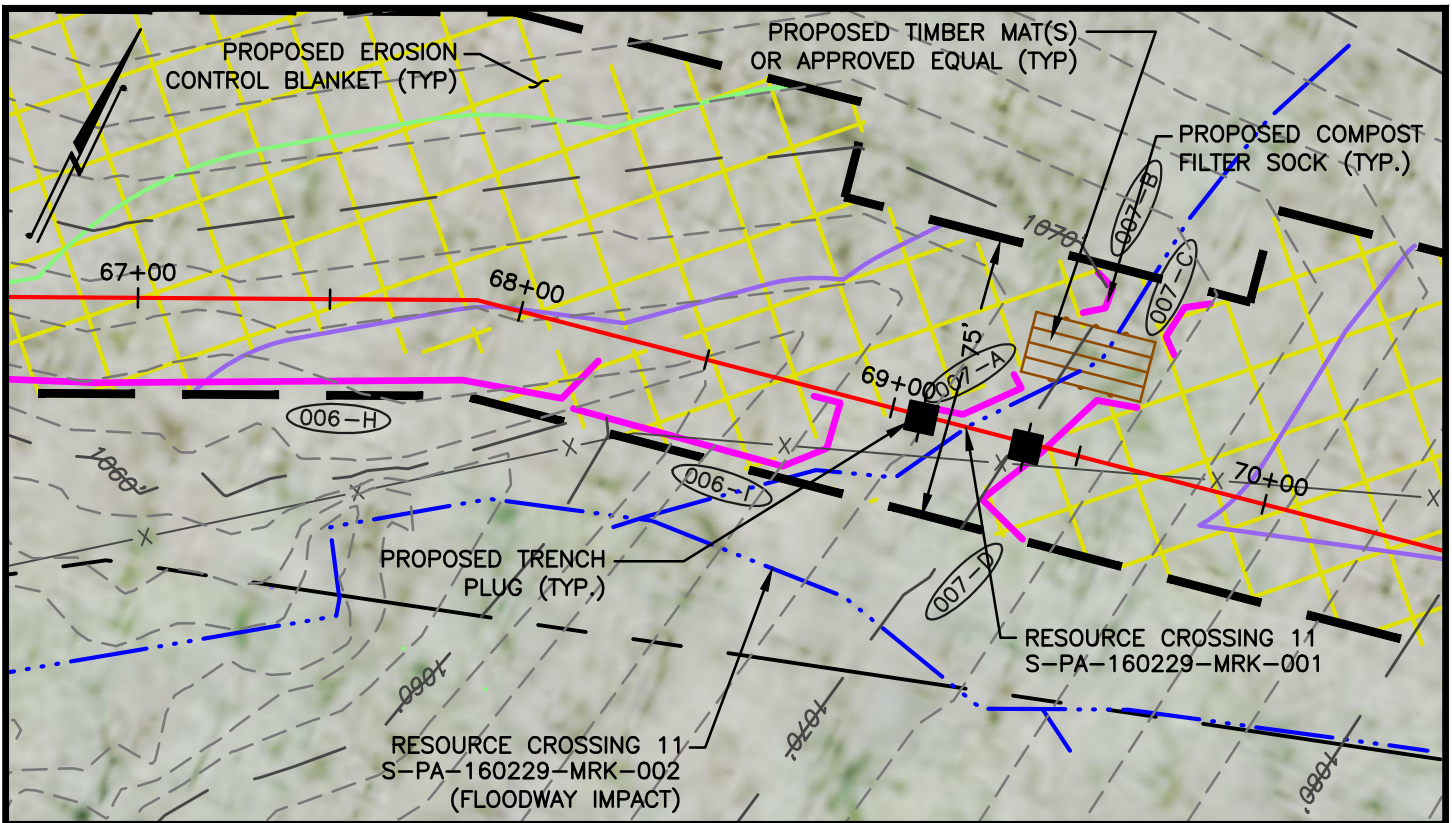
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS010 - RESOURCE CROSSING #9
CHARTIERS TOWNSHIP
WASHINGTON COUNTY, PA

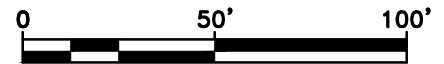
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BY:	IMM		

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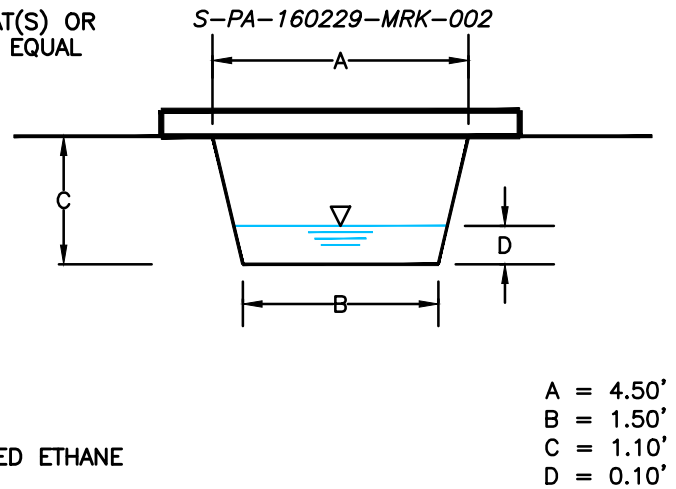
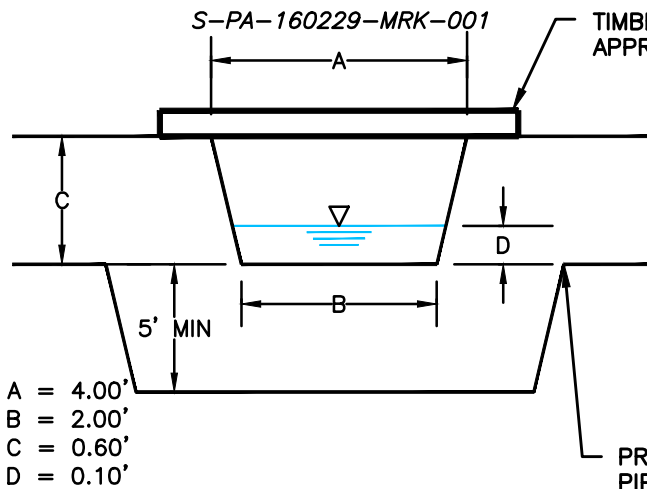


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SCALE: 1" = 50'

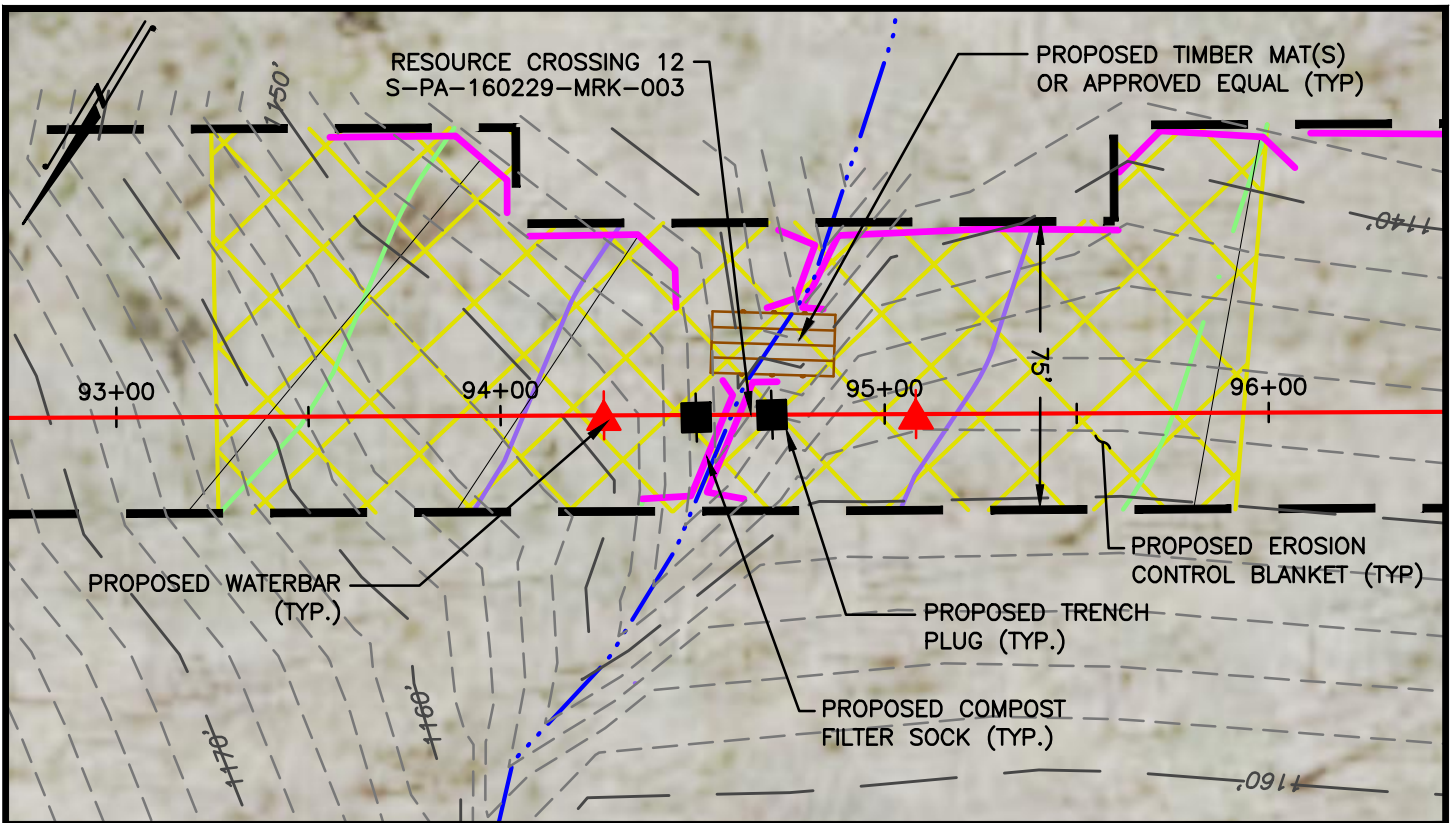


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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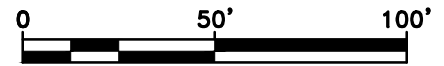
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HOUSTON TO JUNCTION		
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CHARTIERS TOWNSHIP		
WASHINGTON COUNTY, PA		
DATE:	09/14/17	REV. 1
BY:	IMM	SPLC-GOM-AE-SA124511

File: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\009-STREAM001.DWG
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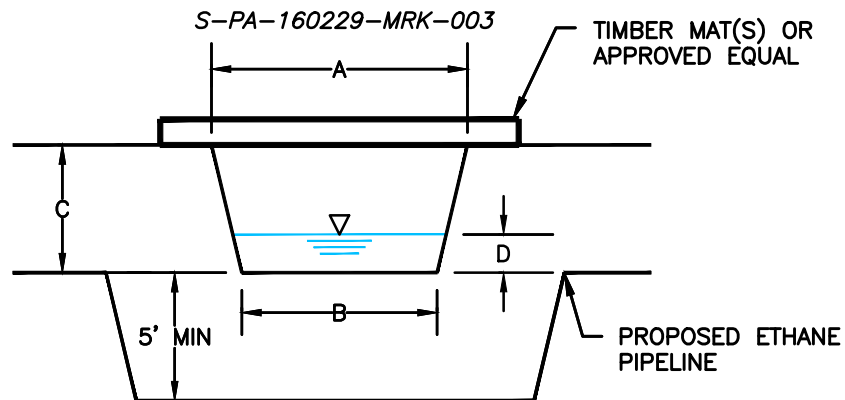
NOTES:

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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



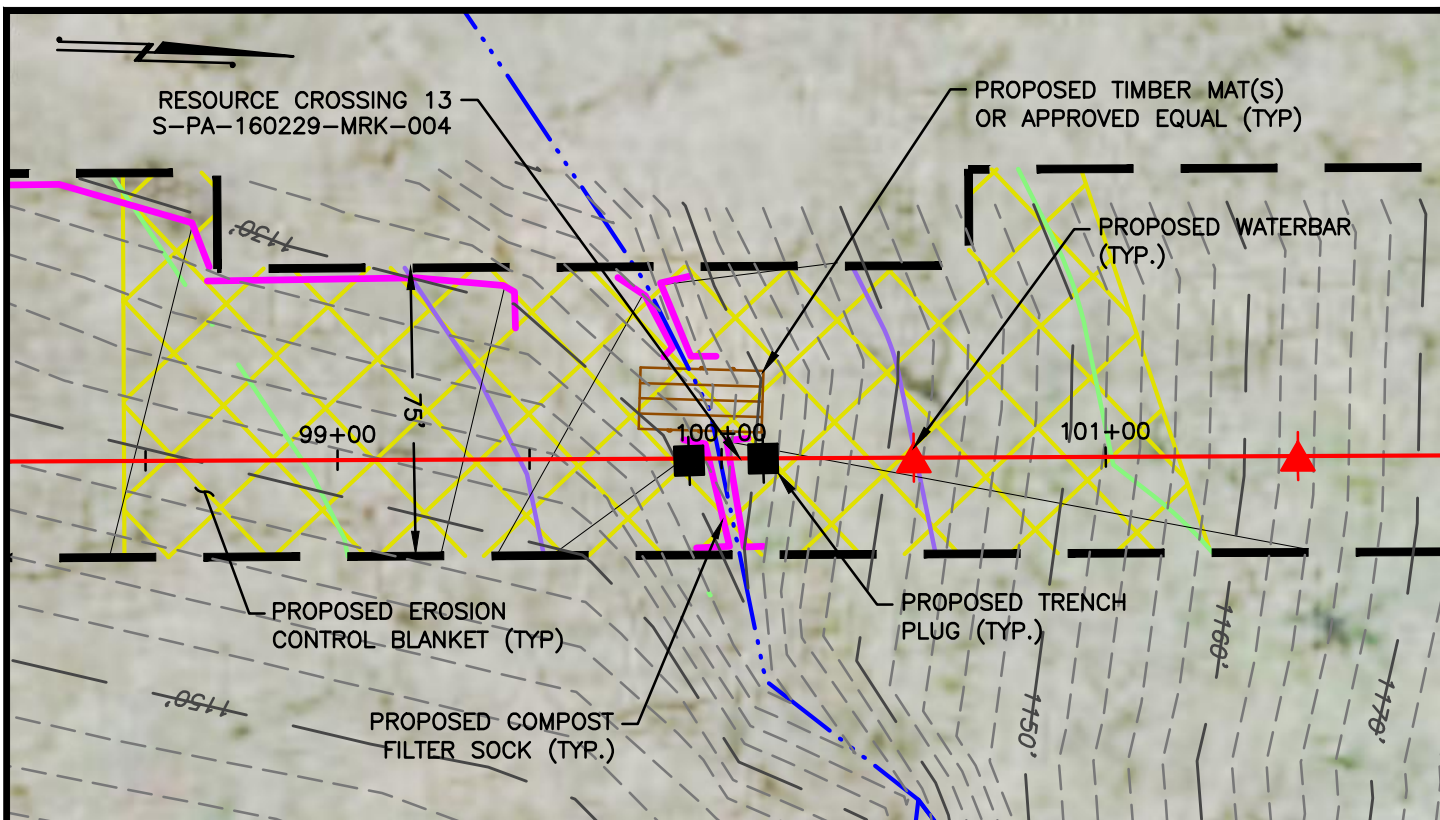
SCALE: 1" = 50'

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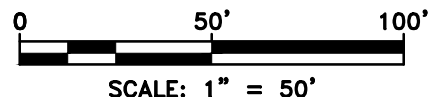
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WASHINGTON COUNTY, PA					
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
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DATE: 09/14/17			SPLC-GOM-AE-SA124512		
BY: IMM			REV. 1		

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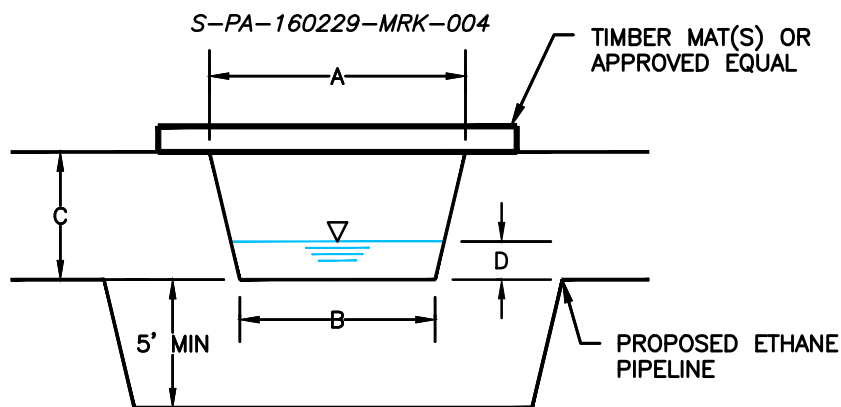


NOTES:

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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

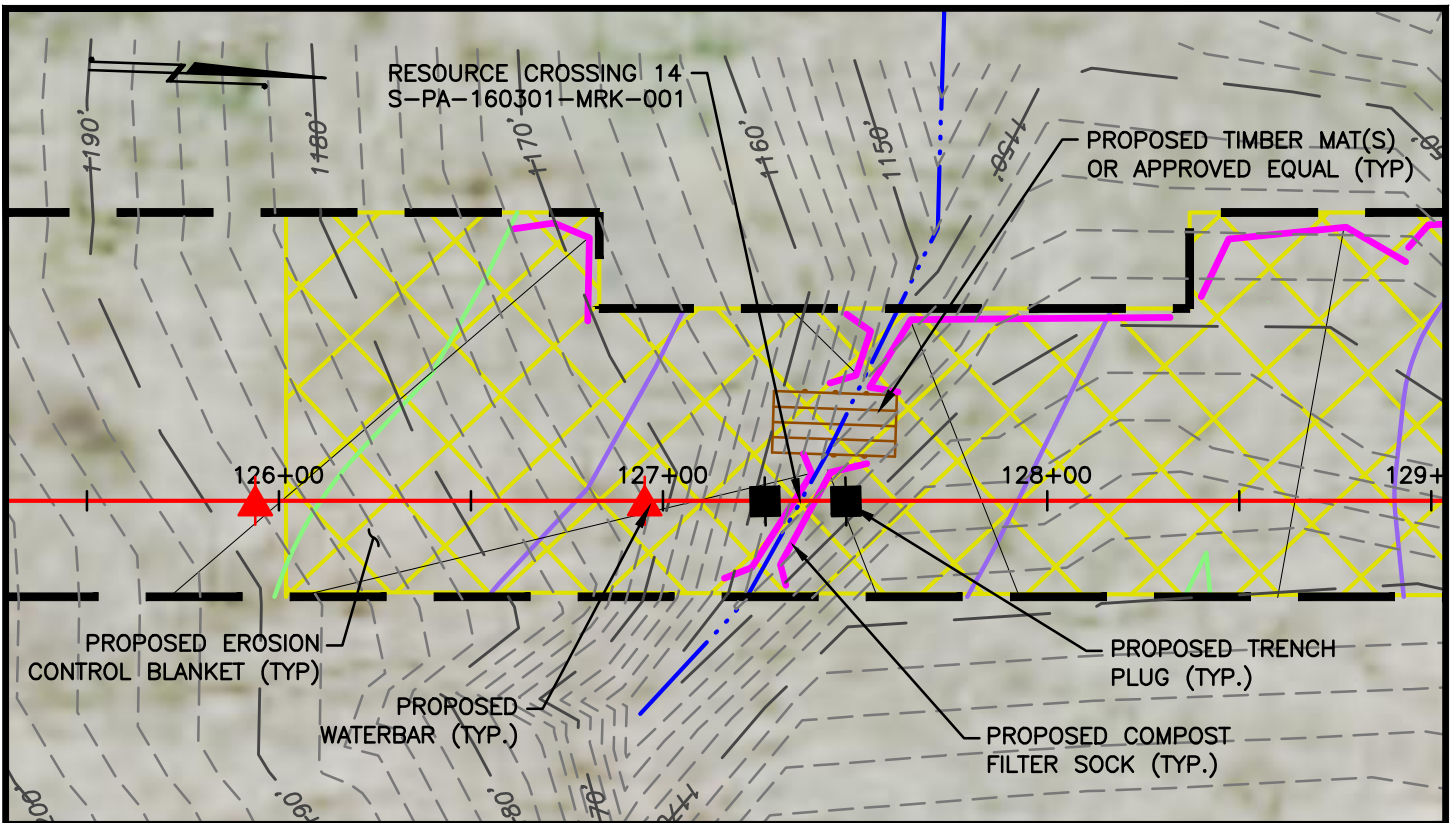


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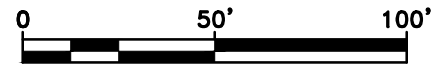
FALCON ETHANE PIPELINE SYSTEM					
HOUSTON TO JUNCTION					
SS014 - RESOURCE CROSSING #13					
CHARTIERS TOWNSHIP					
WASHINGTON COUNTY, PA					
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.					
DATE:		09/14/17	SPLC-GOM-AE-SA124513		REV. 1
BY:		IMM			

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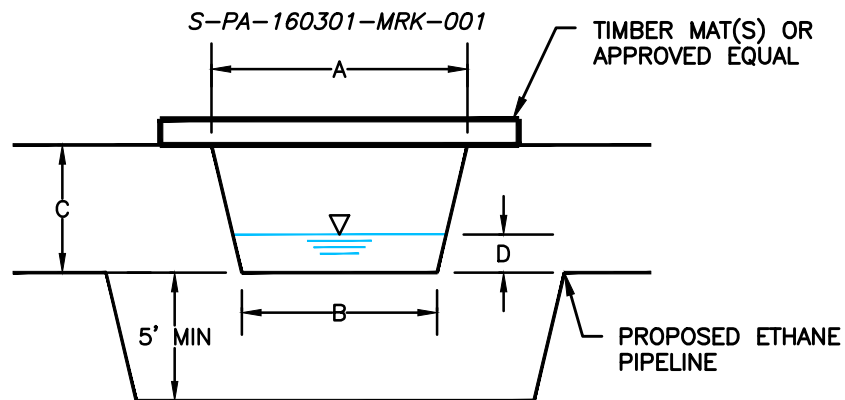
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

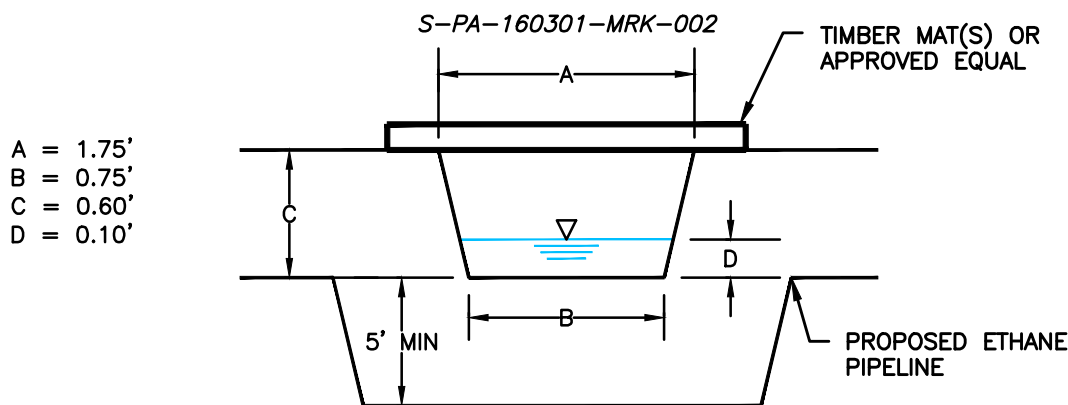
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS015 - RESOURCE CROSSING #14		
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DATE:		09/14/17	BY:		IMM	SPLC-GOM-AE-SA124514		REV. 1

A horizontal graphic scale bar with three segments. The first segment is labeled '0' at its left end. The second segment is labeled '50'' at its right end. The third segment is labeled '100'' at its right end. The segments alternate in shading: the first is white, the second is black, and the third is white.

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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP

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HOUSTON TO JUNCTION

SS016 - RESOURCE CROSSING #15
CHARTIERS TOWNSHIP
WASHINGTON COUNTY.

PA

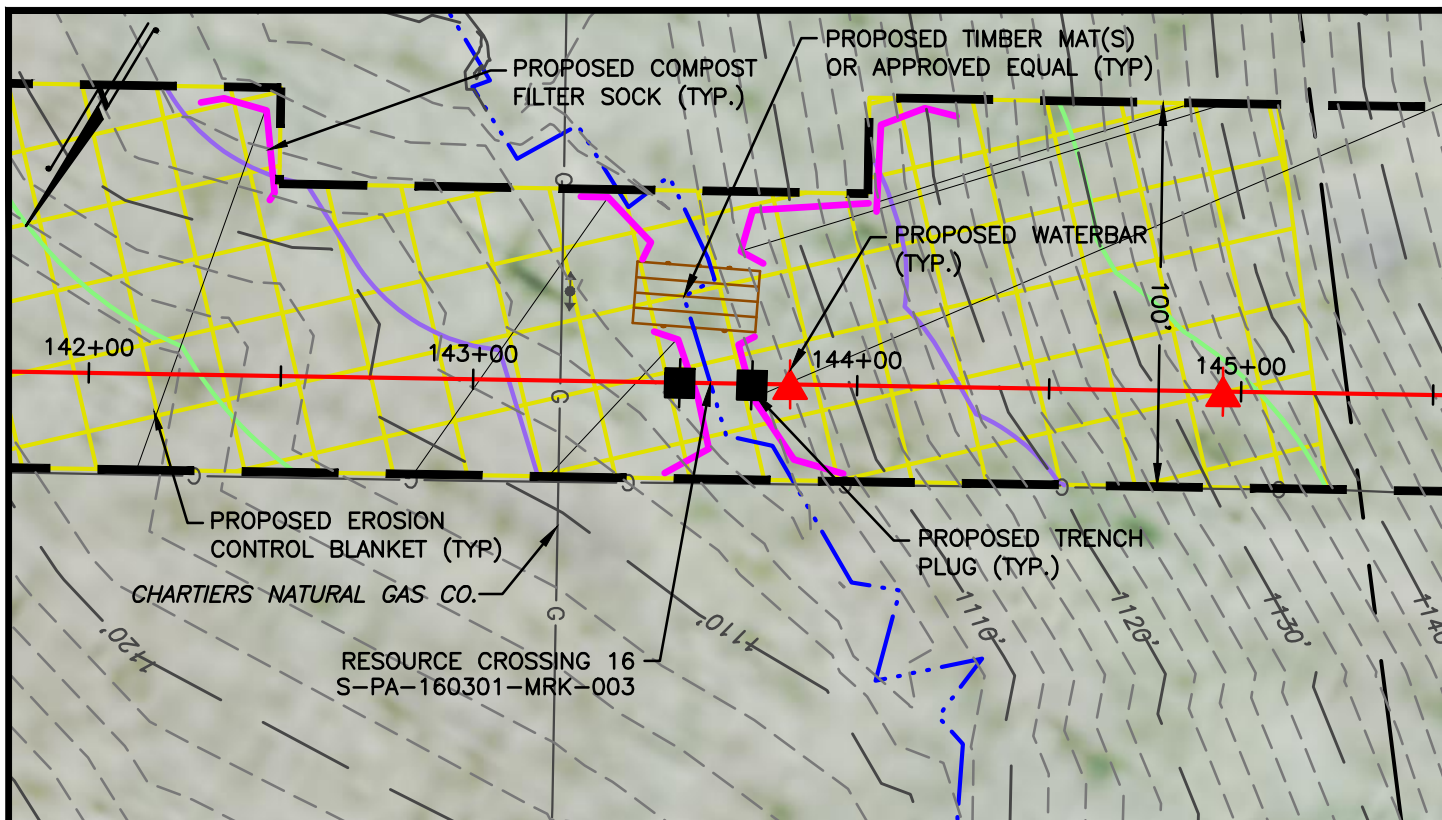
DATE: 09/14/17

BY:	IMM
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SPLC-GOM-AE-SA124515

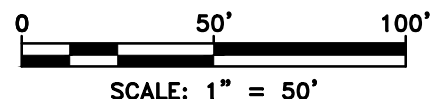
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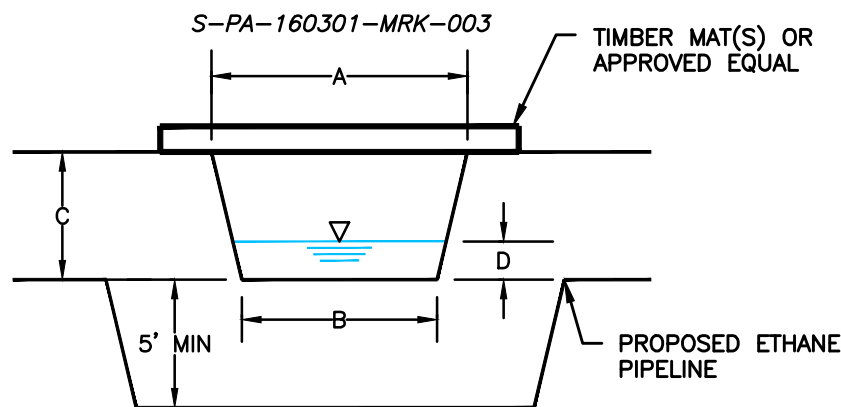


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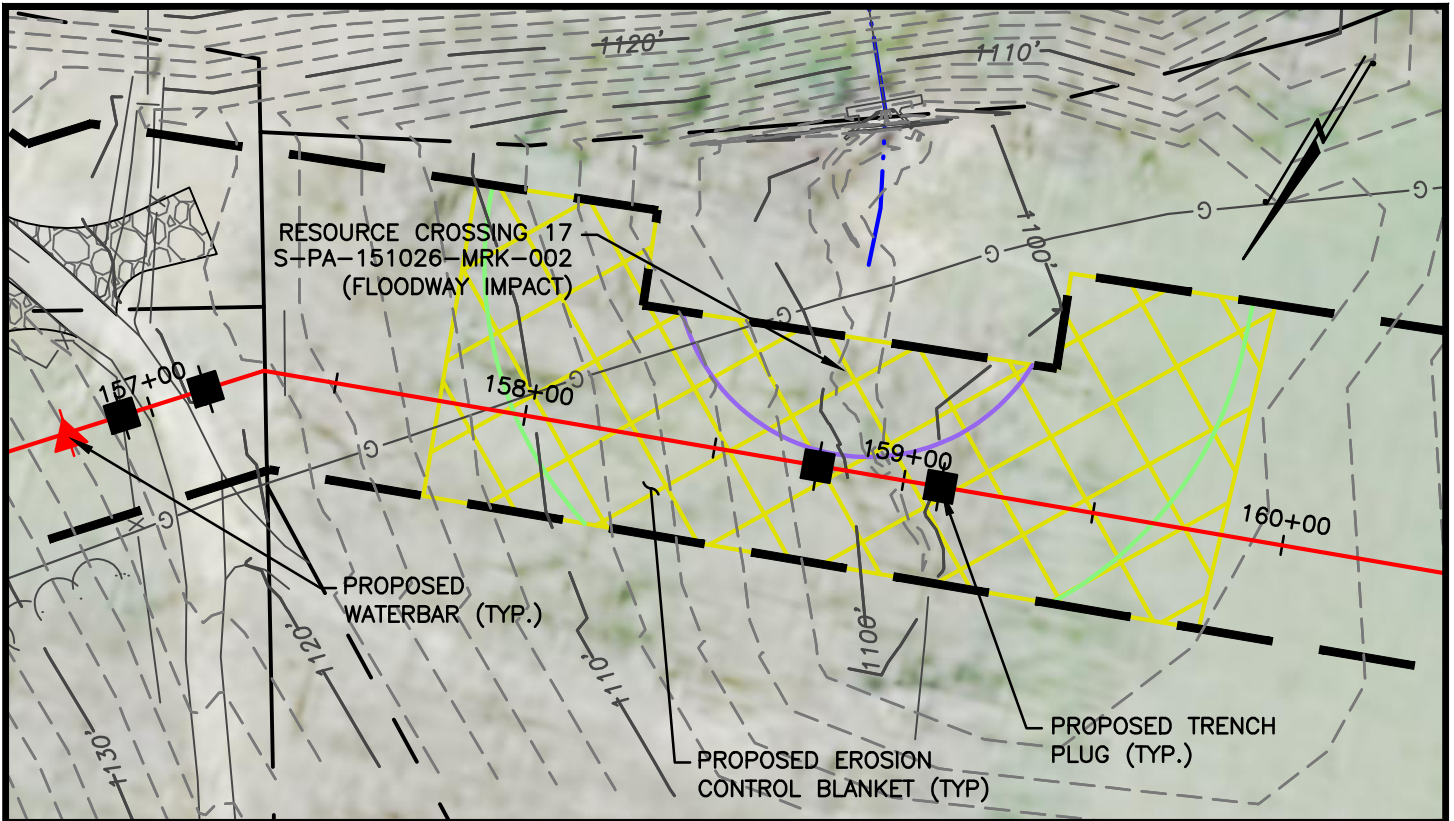


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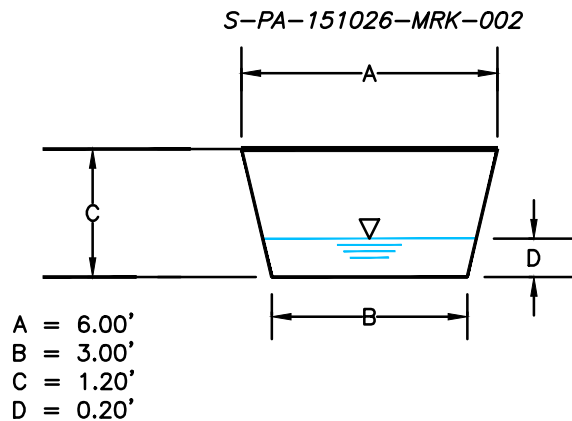
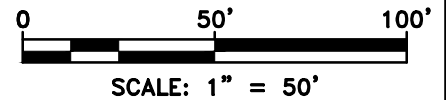
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS017 - RESOURCE CROSSING #16		
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						WASHINGTON COUNTY, PA		
						DATE:	09/14/17	REV. 1
						BY:	IMM	SPLC-GOM-AE-SA124516

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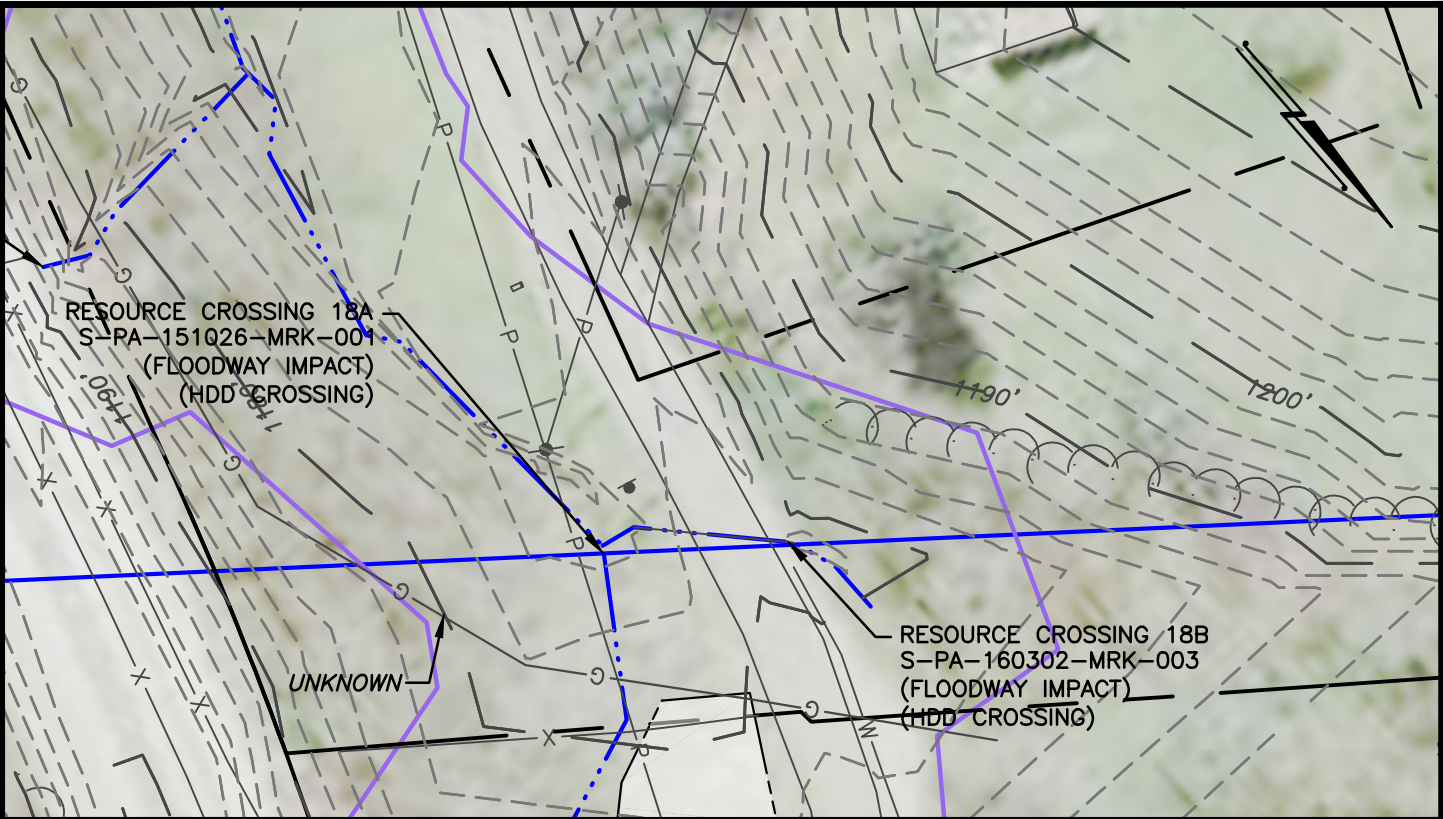
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						FALCON ETHANE PIPELINE SYSTEM		
						HOUSTON TO JUNCTION		
						SS018 - RESOURCE CROSSING #17		
						MOUNT PLEASANT TOWNSHIP		
						WASHINGTON COUNTY, PA		
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	DATE:	09/14/17	REV. 1
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	BY:	IMM	
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW			
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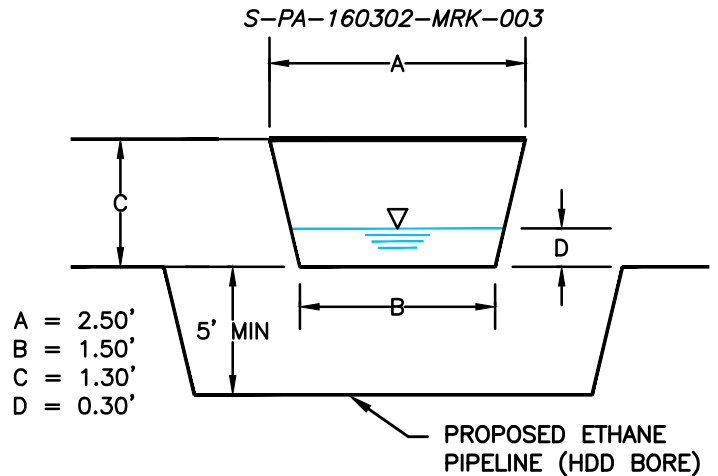
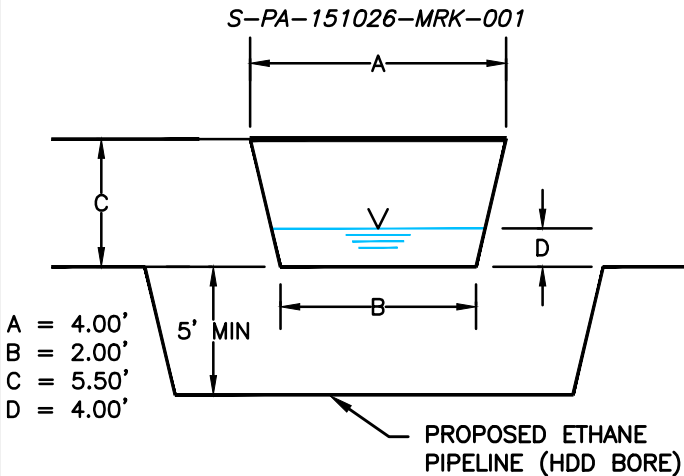


NOTES:

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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

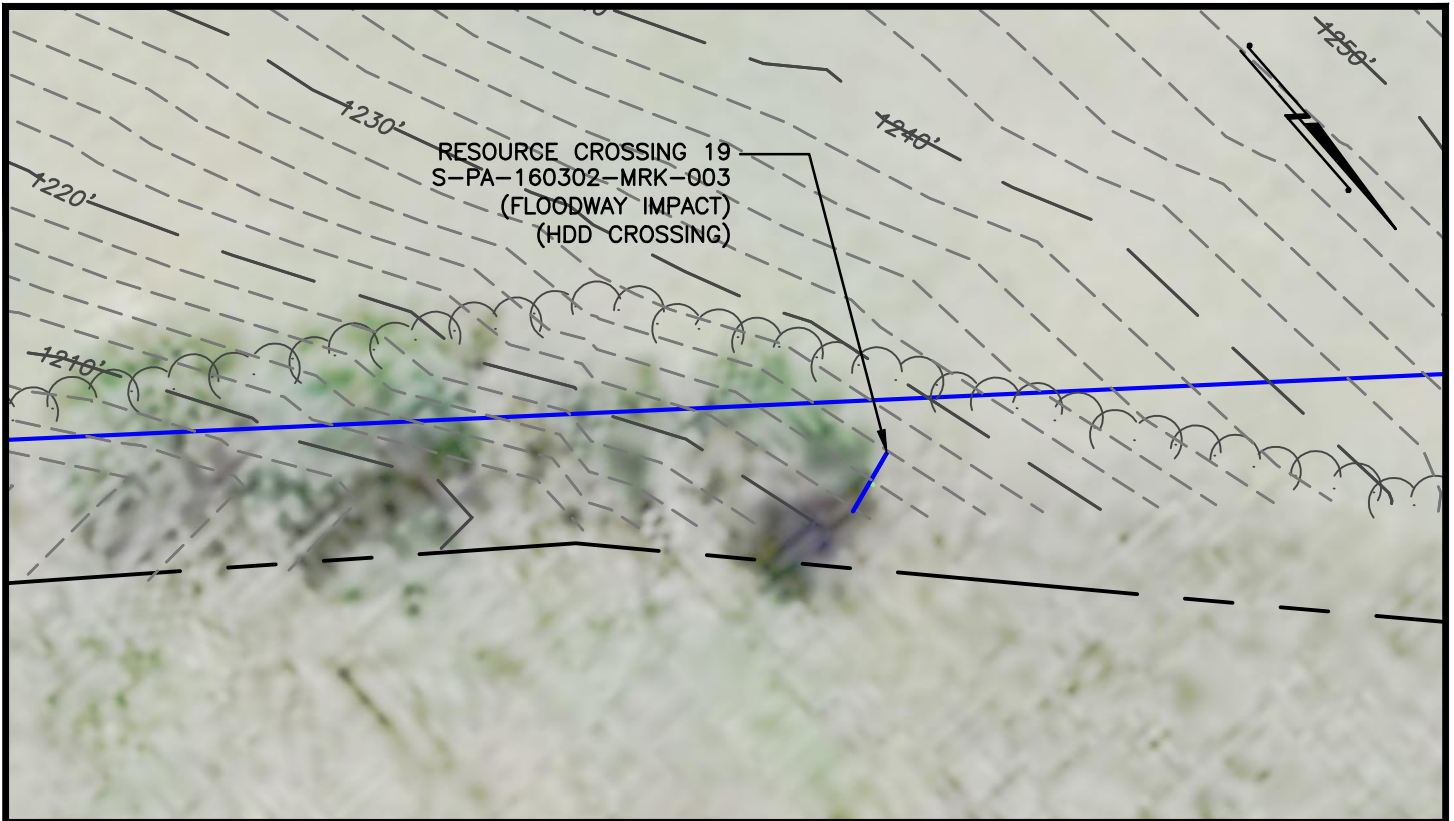
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FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS019 - RESOURCE CROSSING #18
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

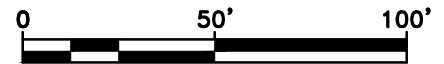
DATE:	09/14/17	SPLC-GOM-AE-SA124518	REV.
BY:	IMM		1

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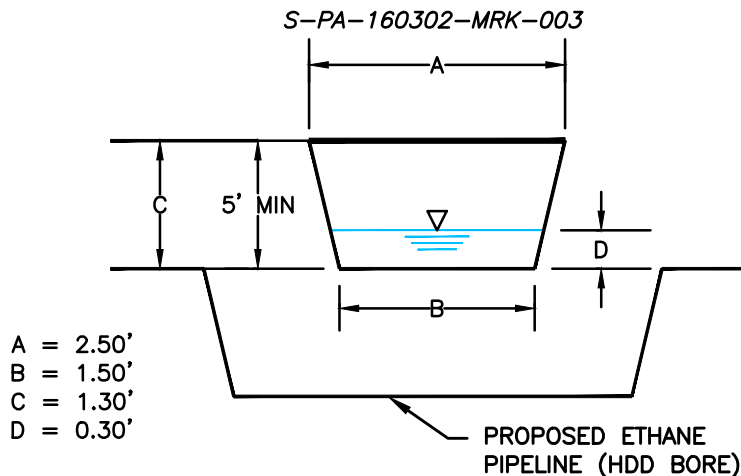


NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

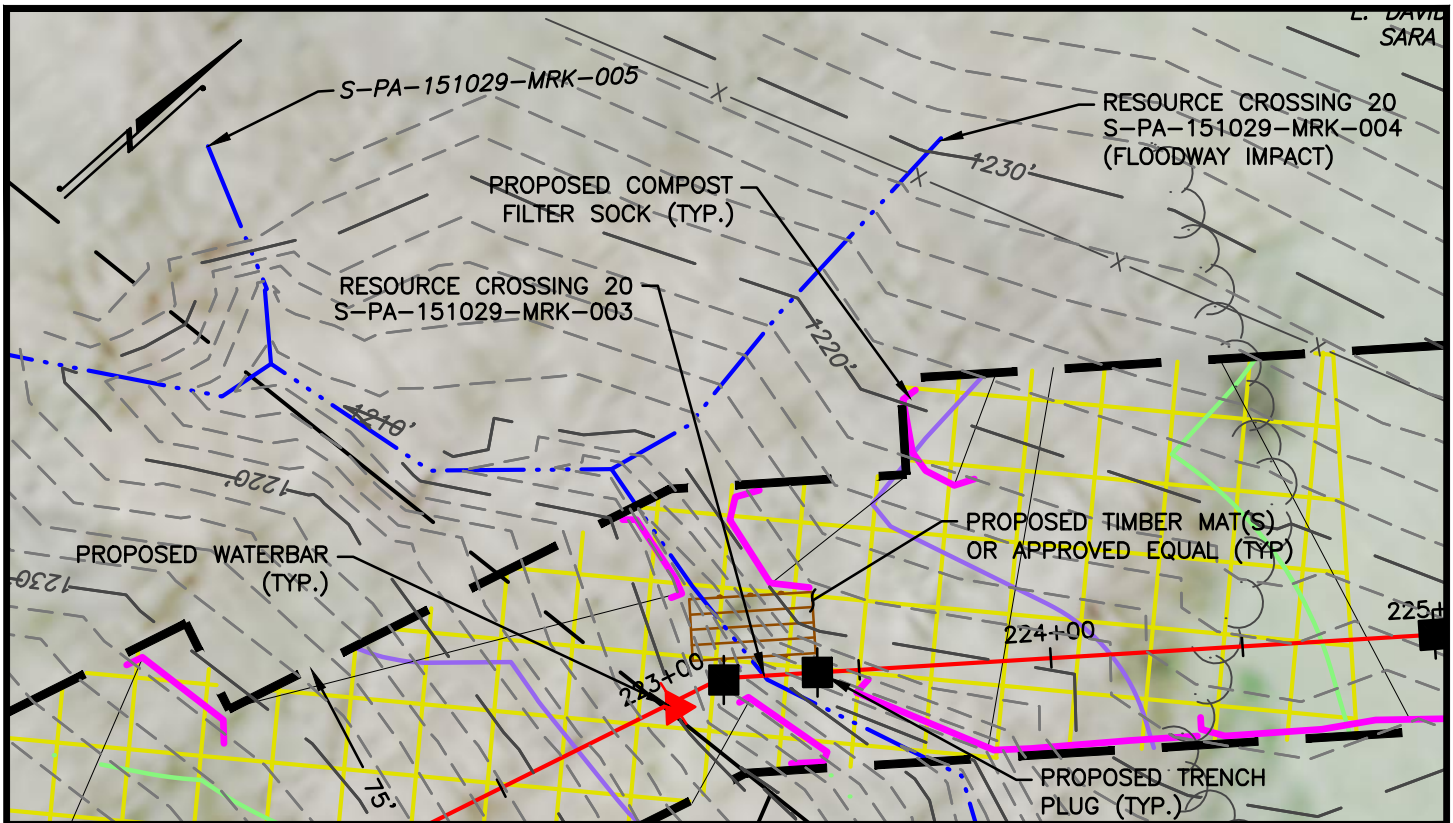


SCALE: 1" = 50'



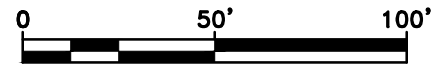
FALCON ETHANE PIPELINE SYSTEM					
HOUSTON TO JUNCTION					
SS020 - RESOURCE CROSSING #19					
MOUNT PLEASANT TOWNSHIP					
WASHINGTON COUNTY, PA					
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.			DATE: 09/14/17		
			BY: IMM		
			SPLC-GOM-AE-SA124519		
			REV. 1		

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\020-STREAM001&002.DWG
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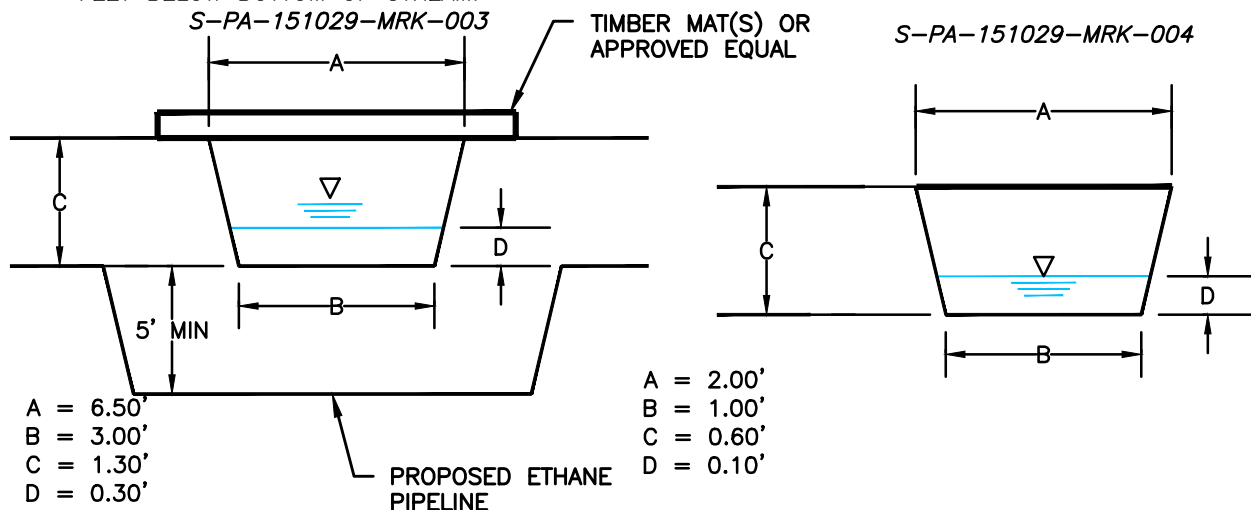


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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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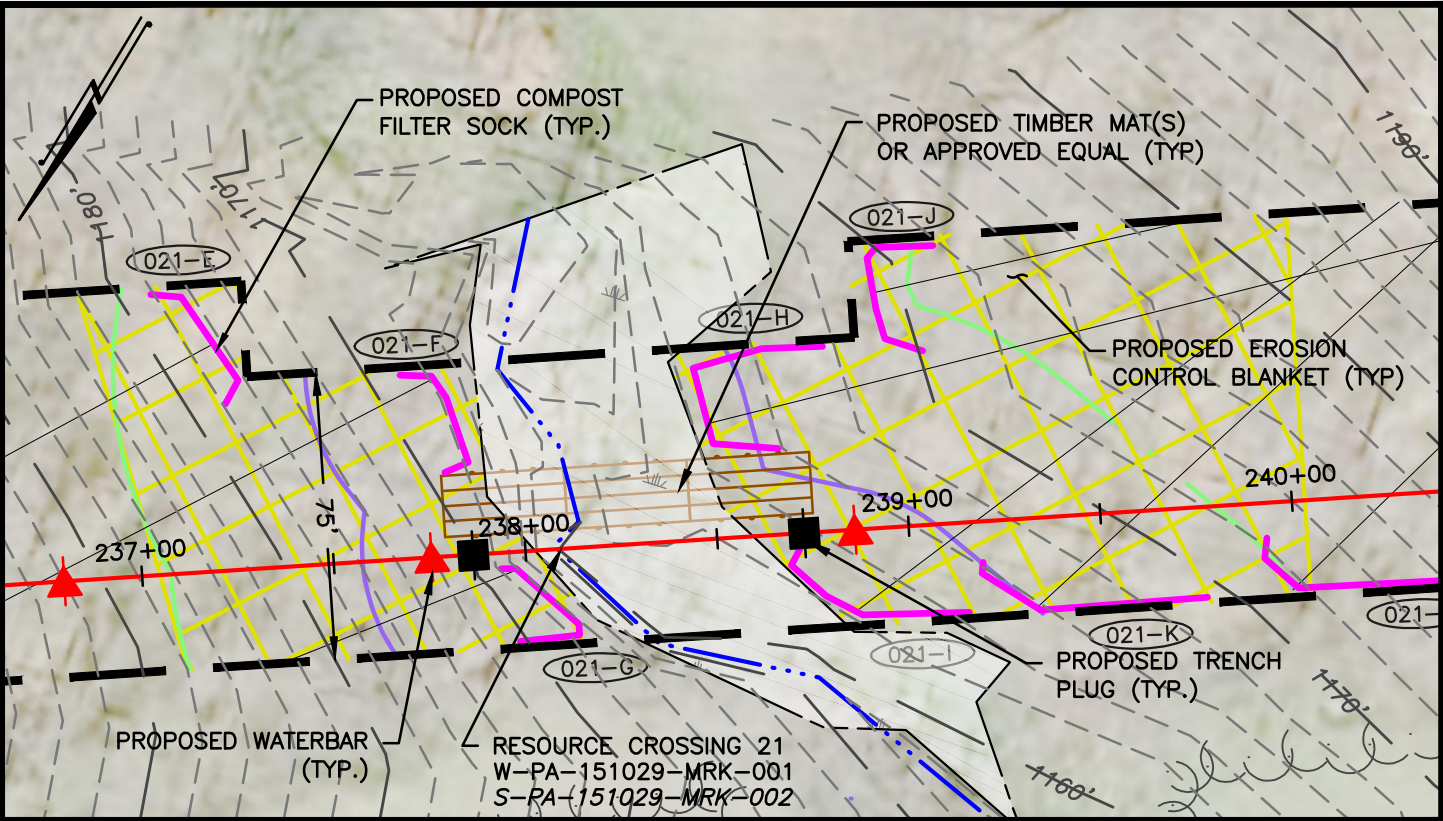
FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS021 - RESOURCE CROSSING #20
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

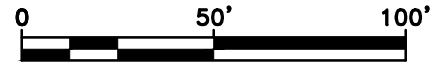
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BY:	IMM		

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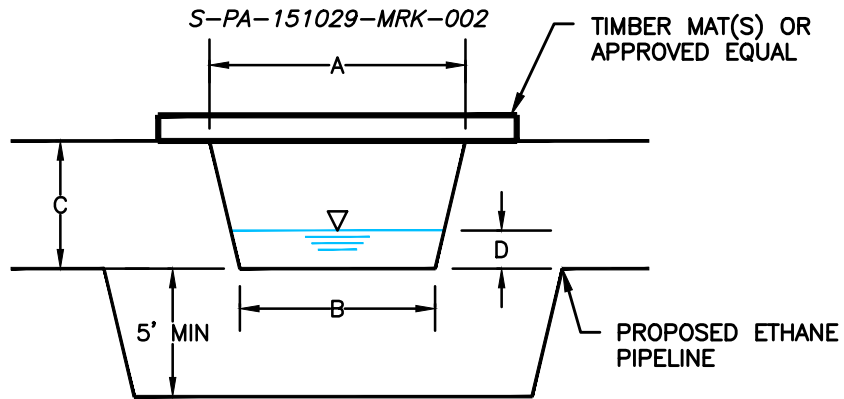
NOTES:

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SCALE: 1" = 50'

A = 4.00'
B = 2.50'
C = 1.80'
D = 0.30'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

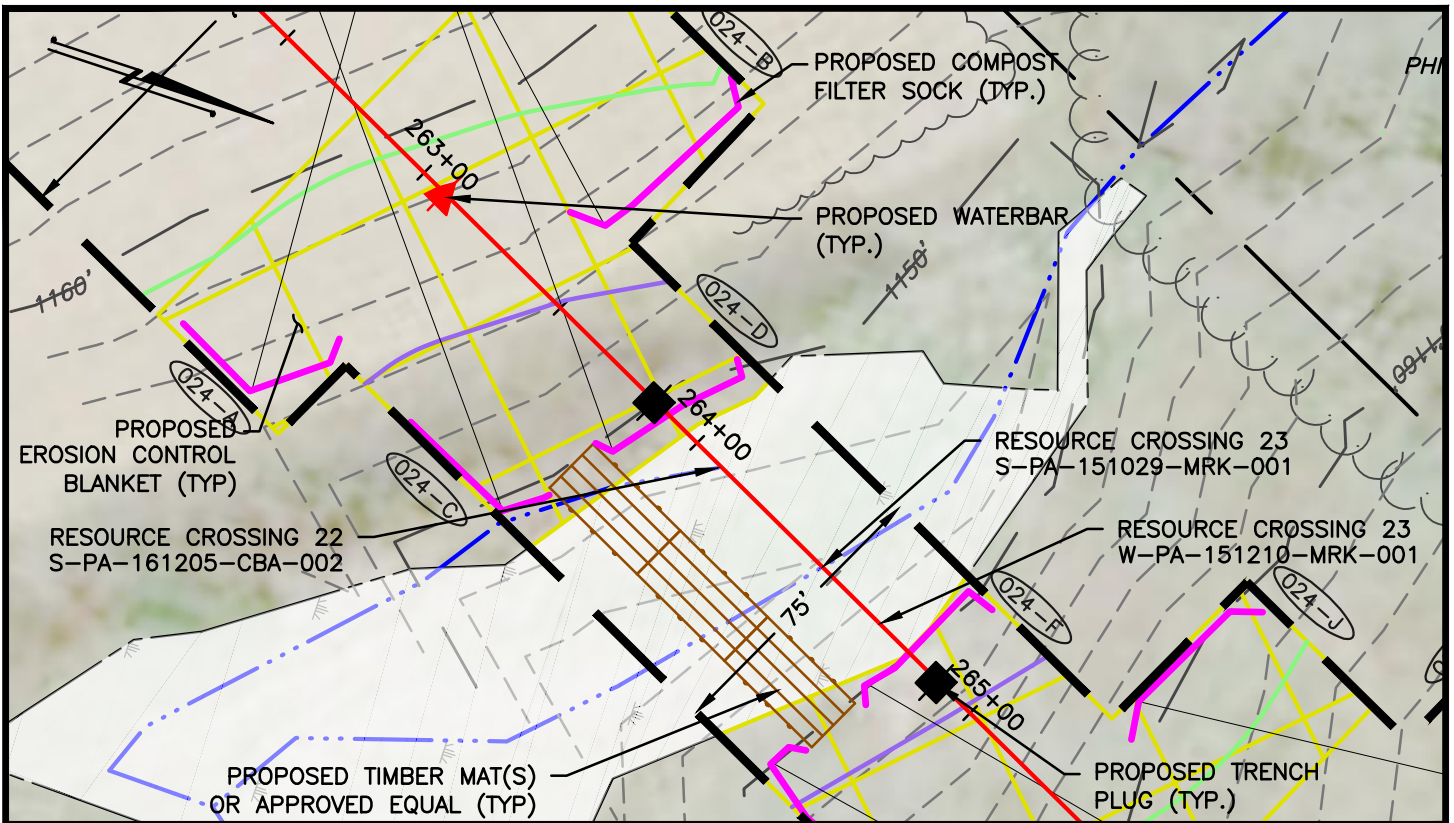
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS022 - RESOURCE CROSSING #21
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

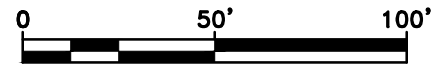
DATE:	09/14/17	SPLC-GOM-AE-124521	REV.
BY:	IMM		1

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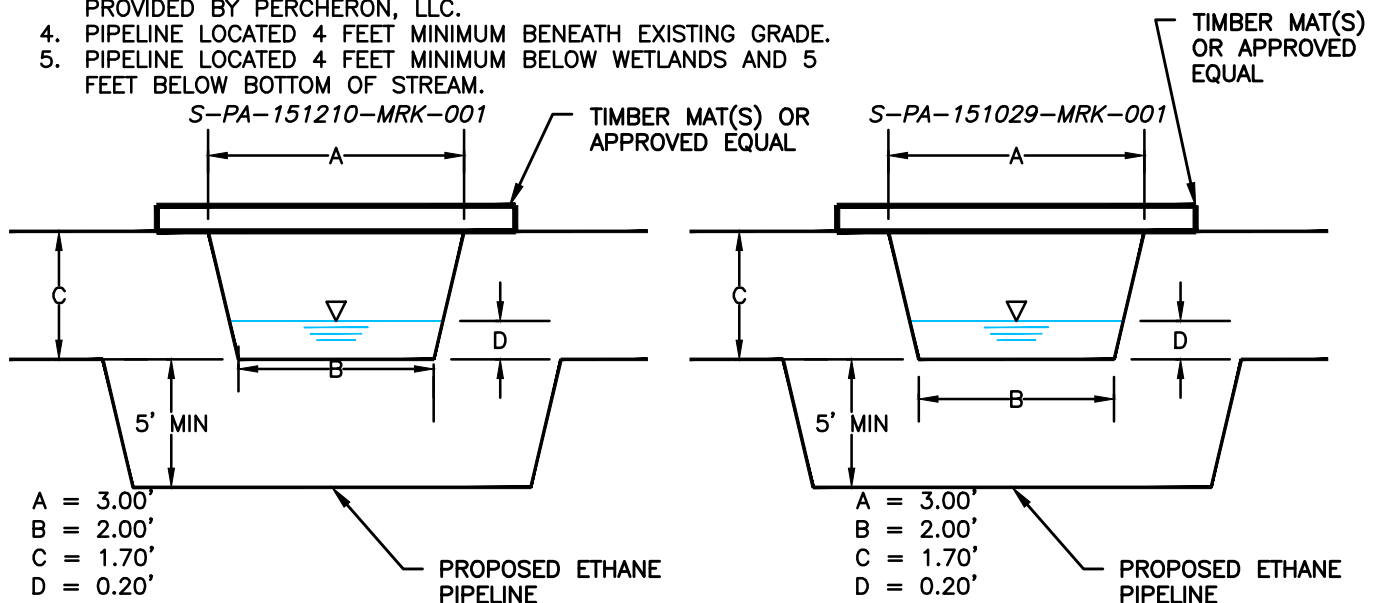


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SCALE: 1" = 50'

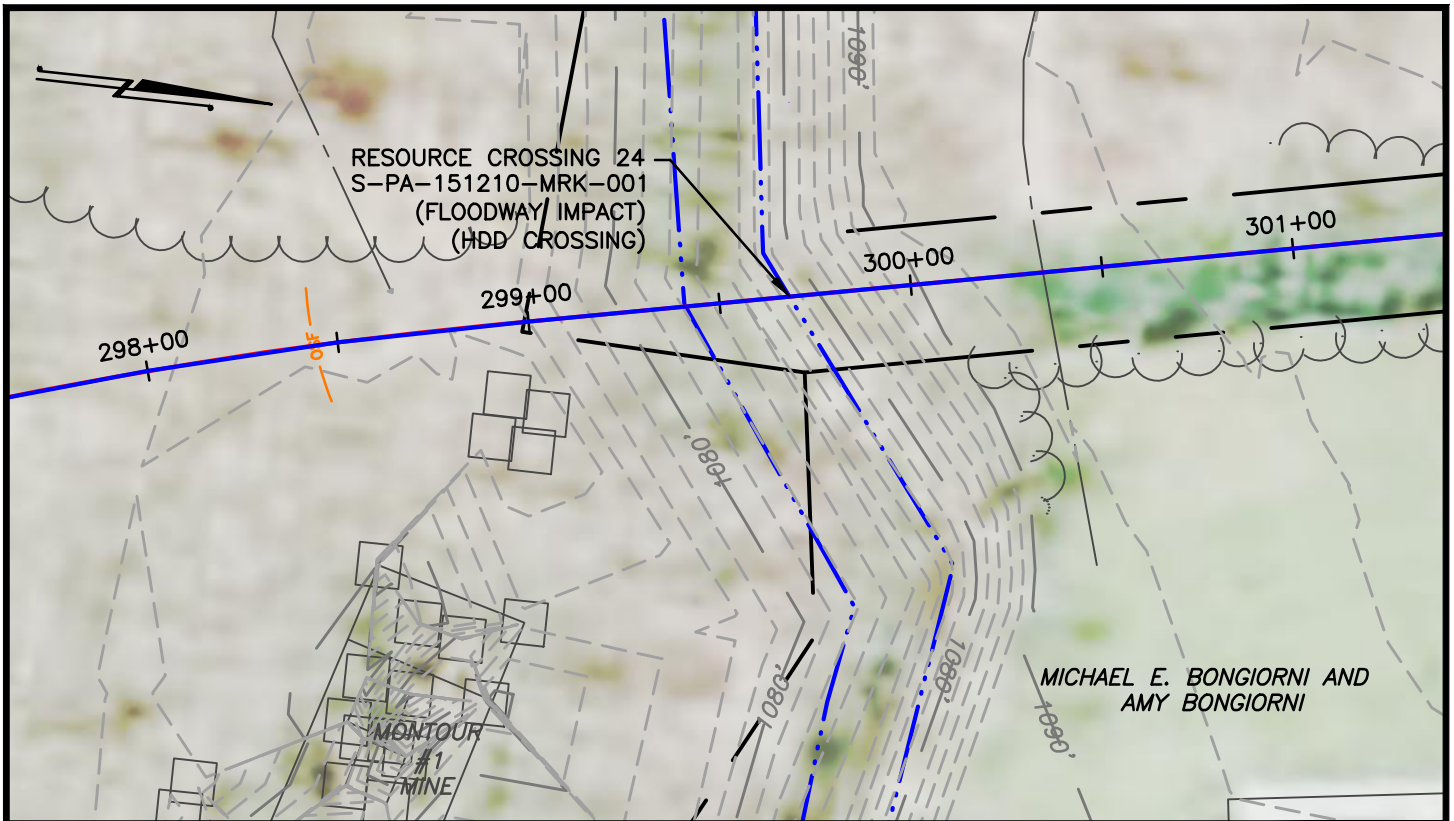


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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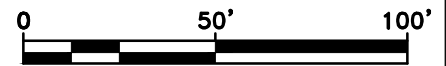
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS023 - RESOURCE CROSSING #22 & #23		
MOUNT PLEASANT TOWNSHIP		
WASHINGTON COUNTY, PA		
DATE:	09/14/17	SPLC-GOM-AE-124522
BY:	IMM	PA REV. 1

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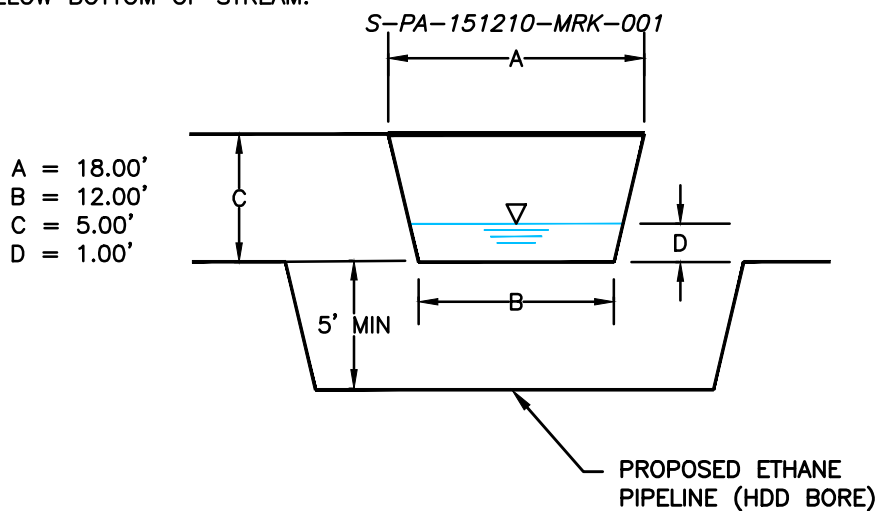


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SCALE: 1" = 50'

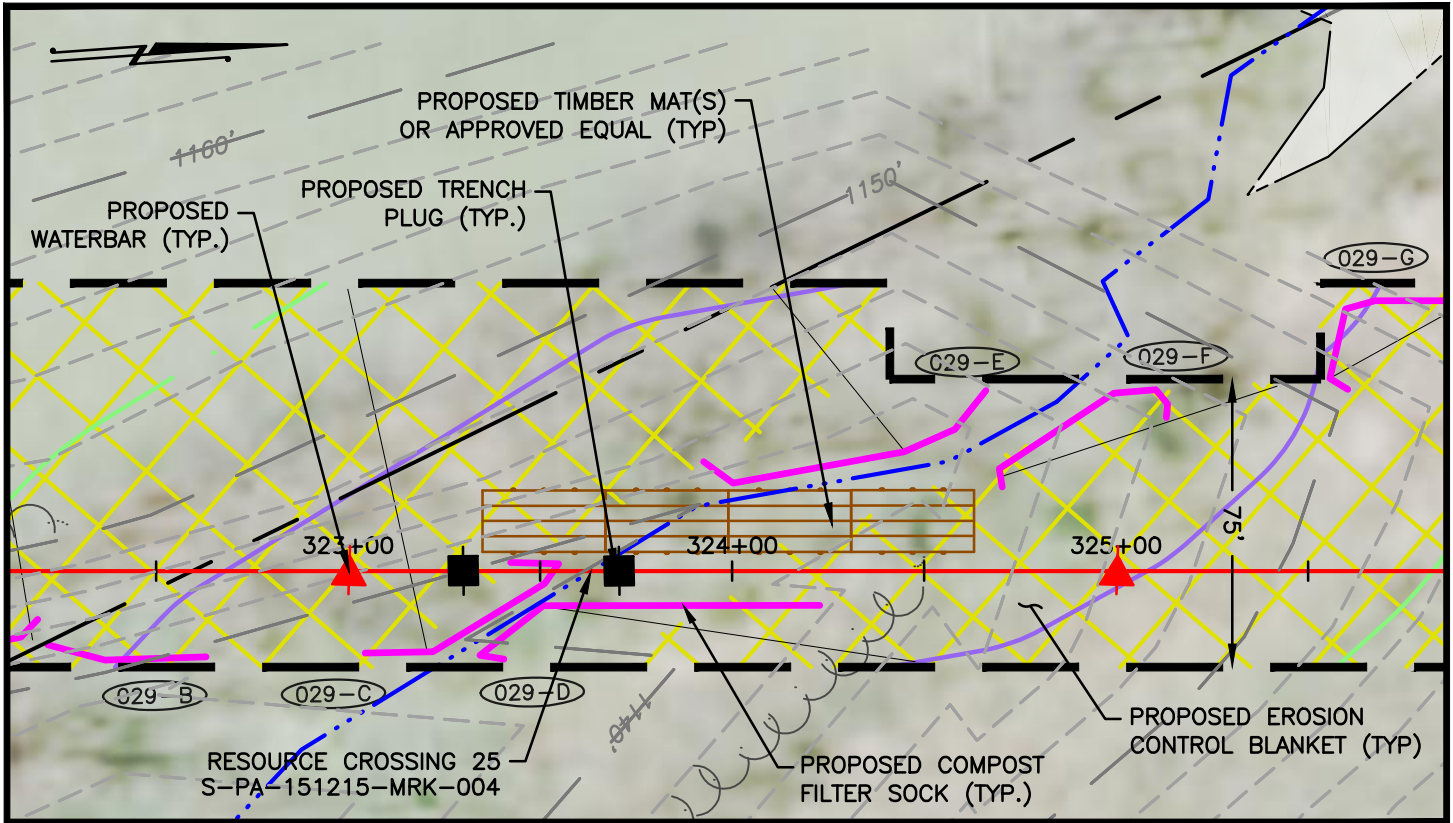


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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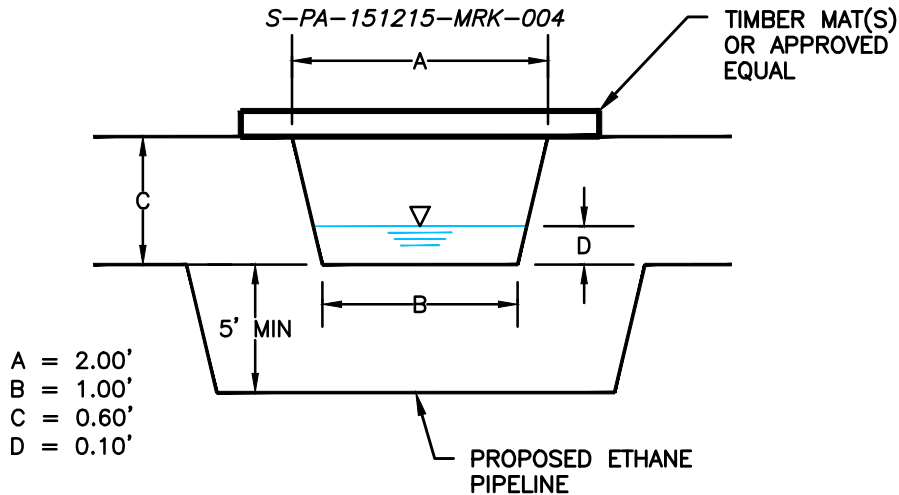
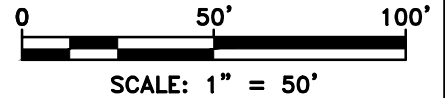
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS024 - RESOURCE CROSSING #24		
MOUNT PLEASANT TOWNSHIP		
WASHINGTON COUNTY, PA		
DATE:	09/14/17	REV. 1
BY:	IMM	SPLC-GOM-AE-SA124523

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NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

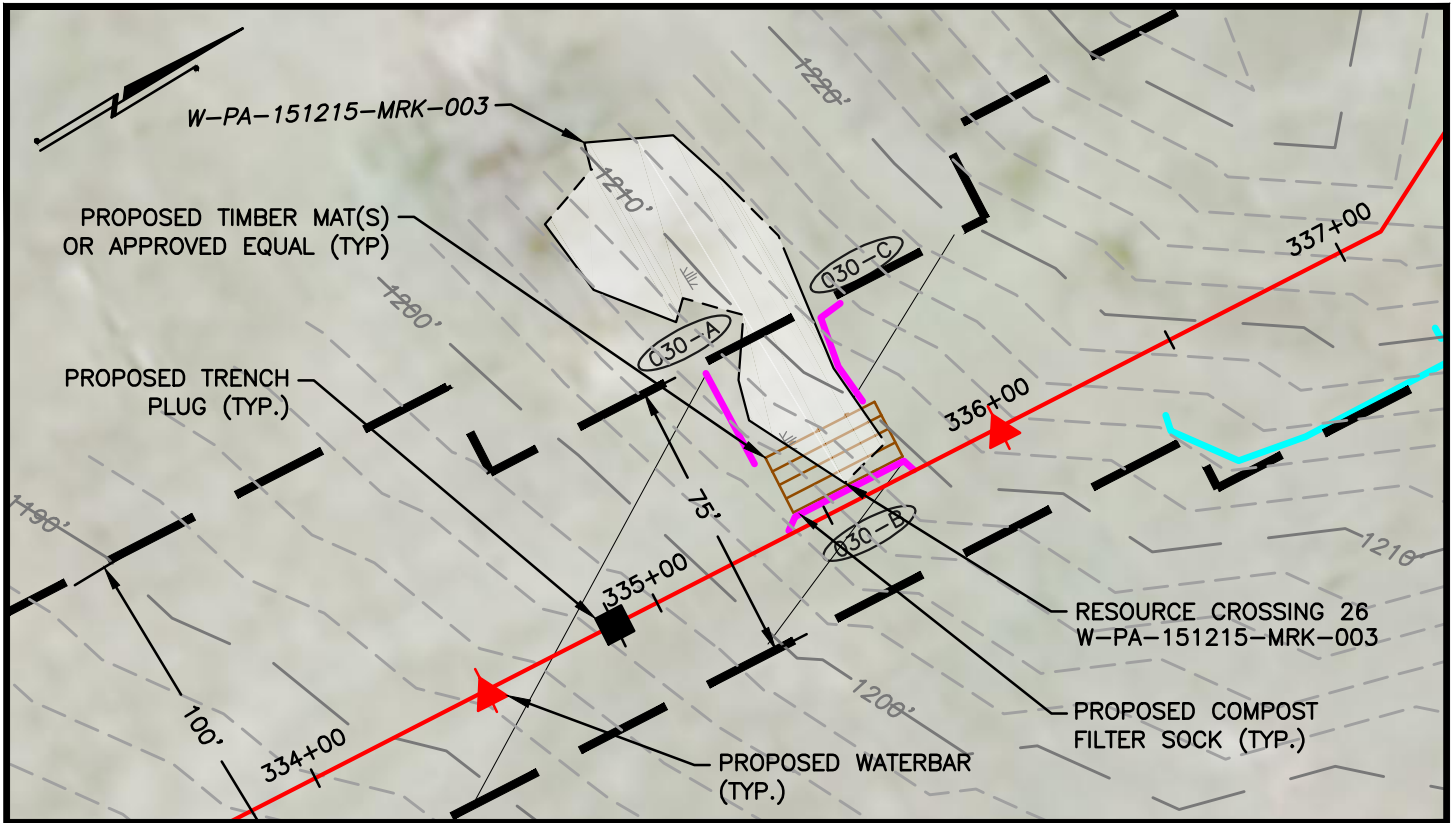
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS025 - RESOURCE CROSSING #25
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

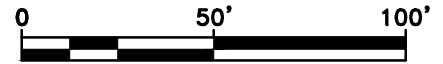
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BY:	IMM		1

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NOTES:

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SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

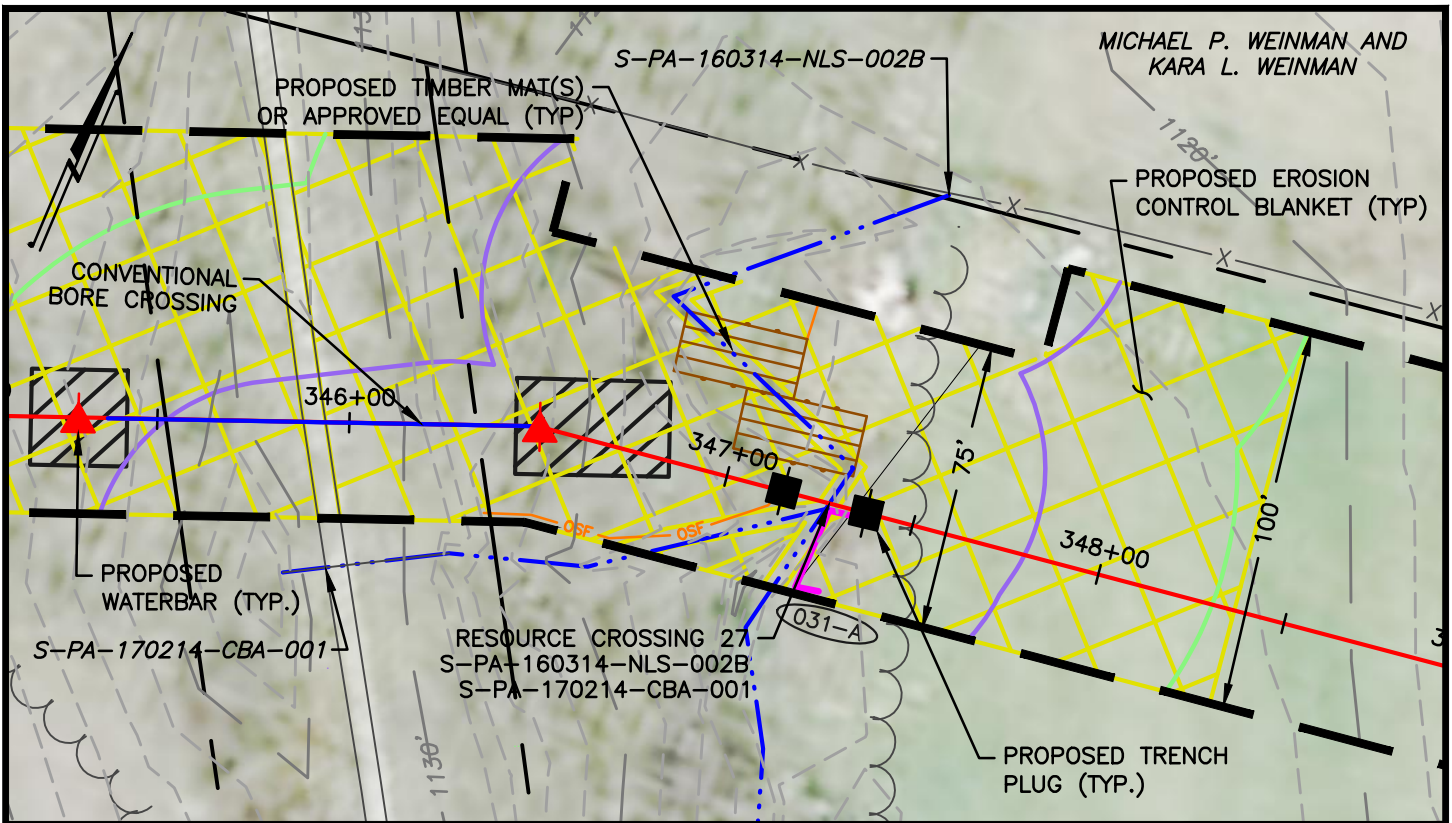
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FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS026 - RESOURCE CROSSING #26
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124525	REV.
BY:	IMM		1

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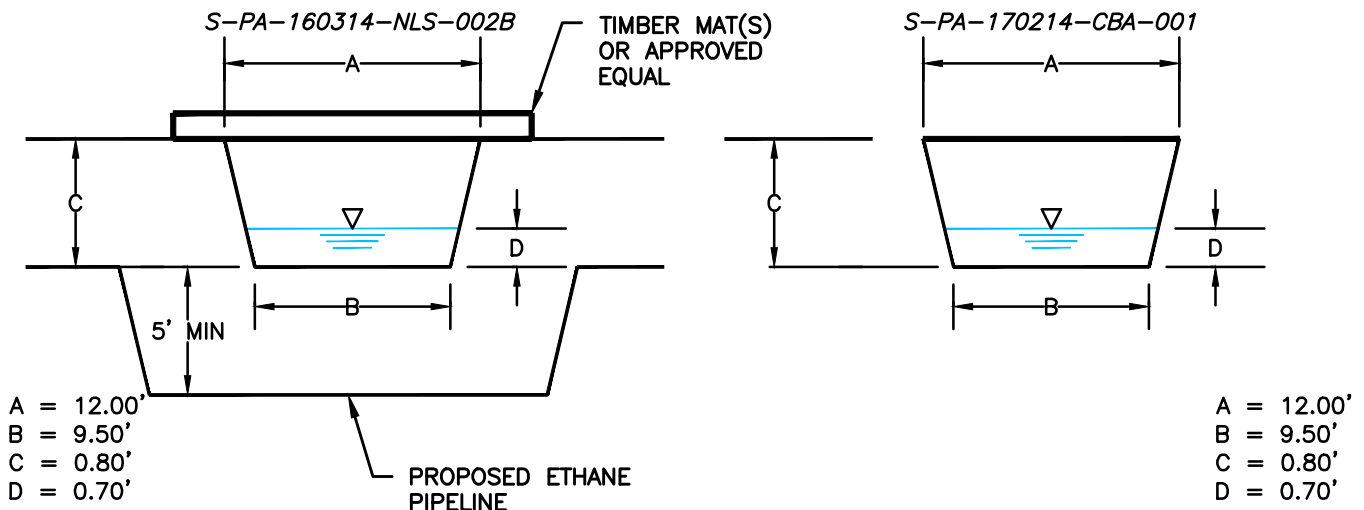


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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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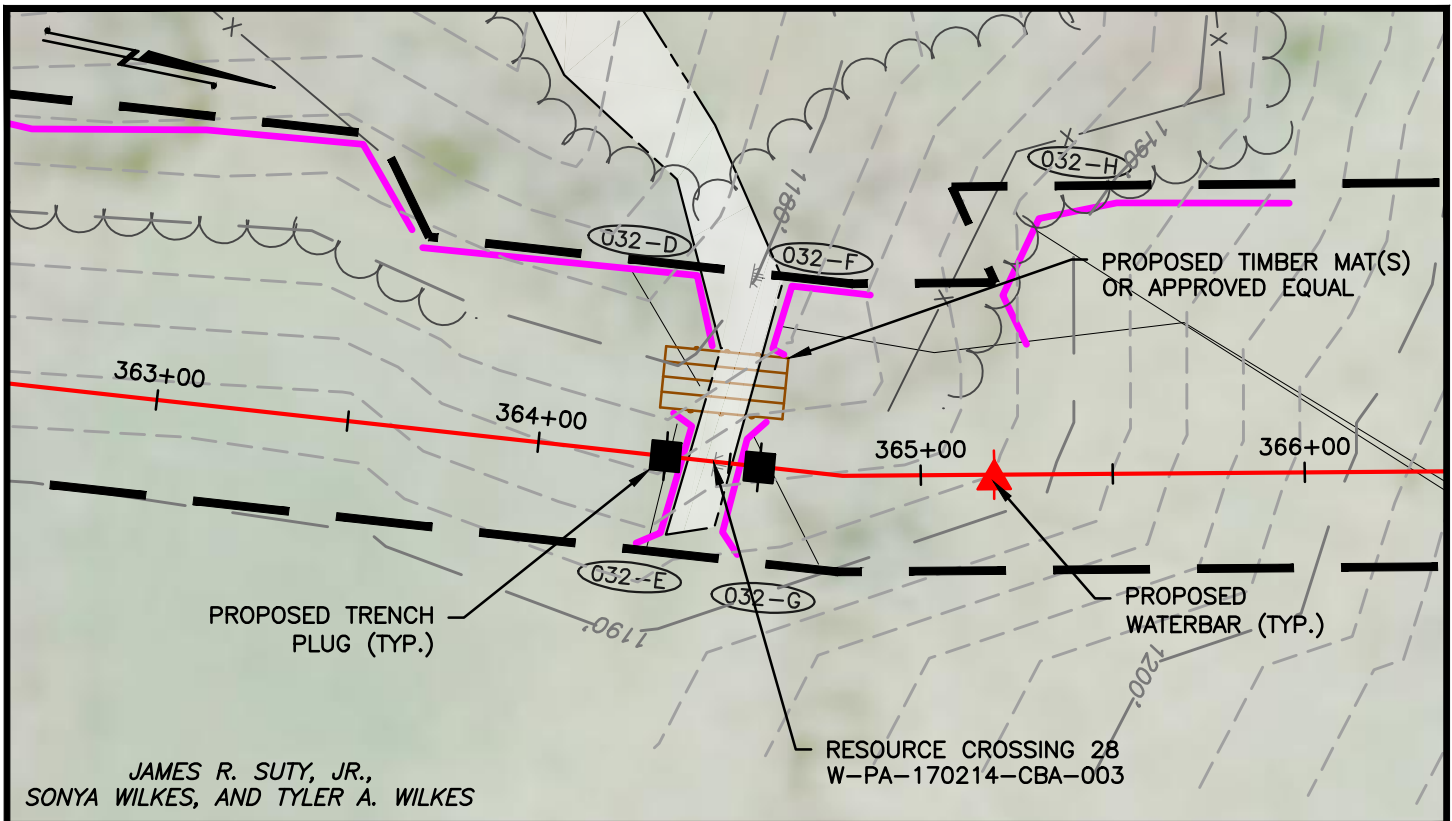
FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS027 - RESOURCE CROSSING #27
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124526	REV.
BY:	IMM		1

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JAMES R. SUTY, JR.,
SONYA WILKES, AND TYLER A. WILKES

NOTES:

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SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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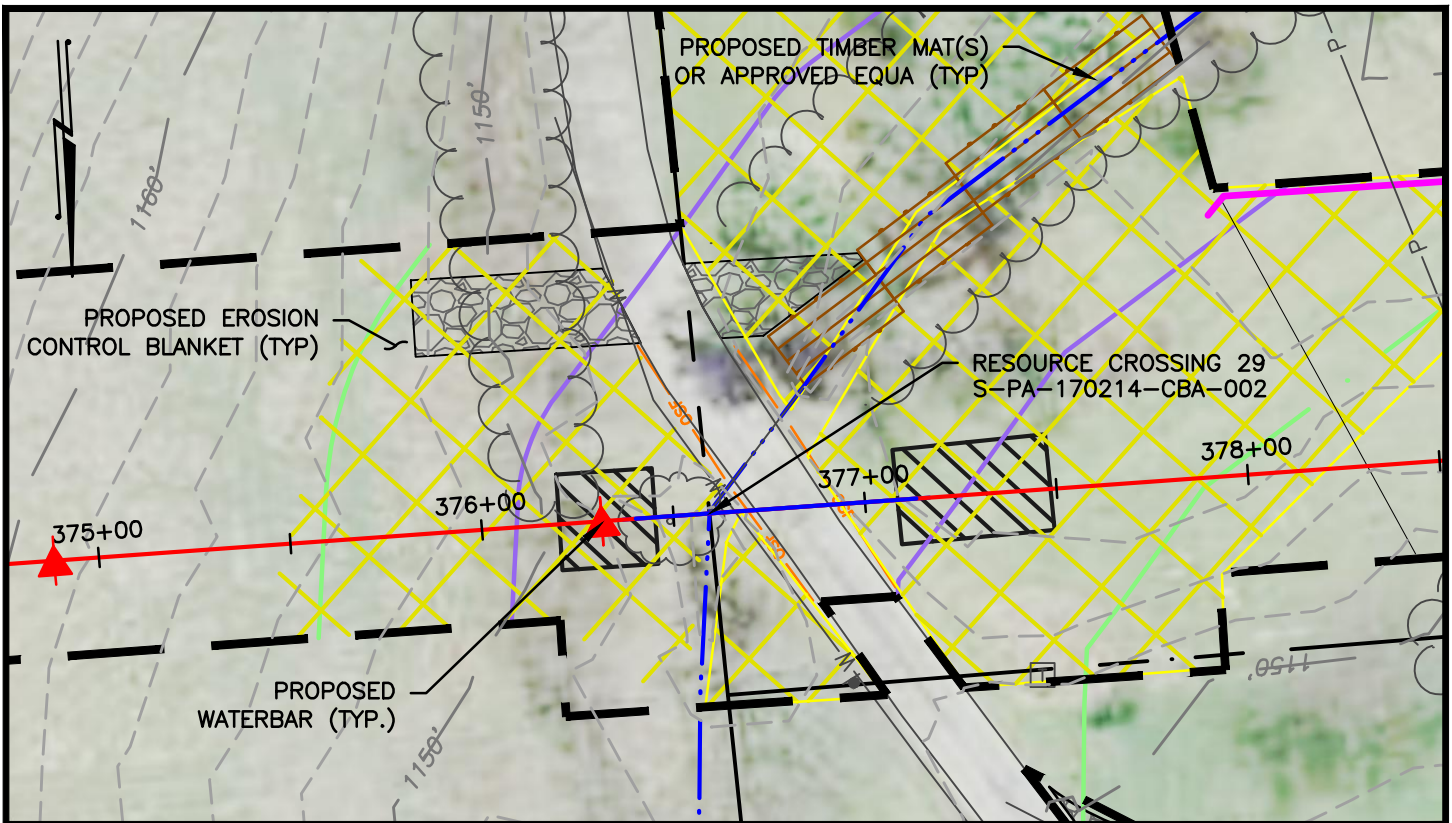
FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS028 - RESOURCE CROSSING #28
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

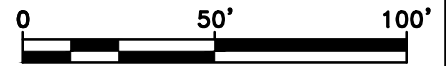
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BY:	IMM		1

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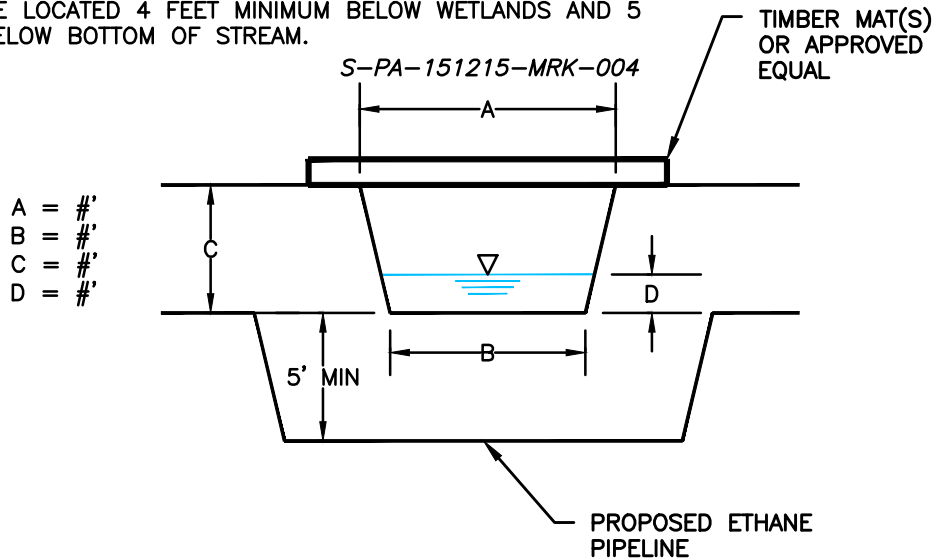


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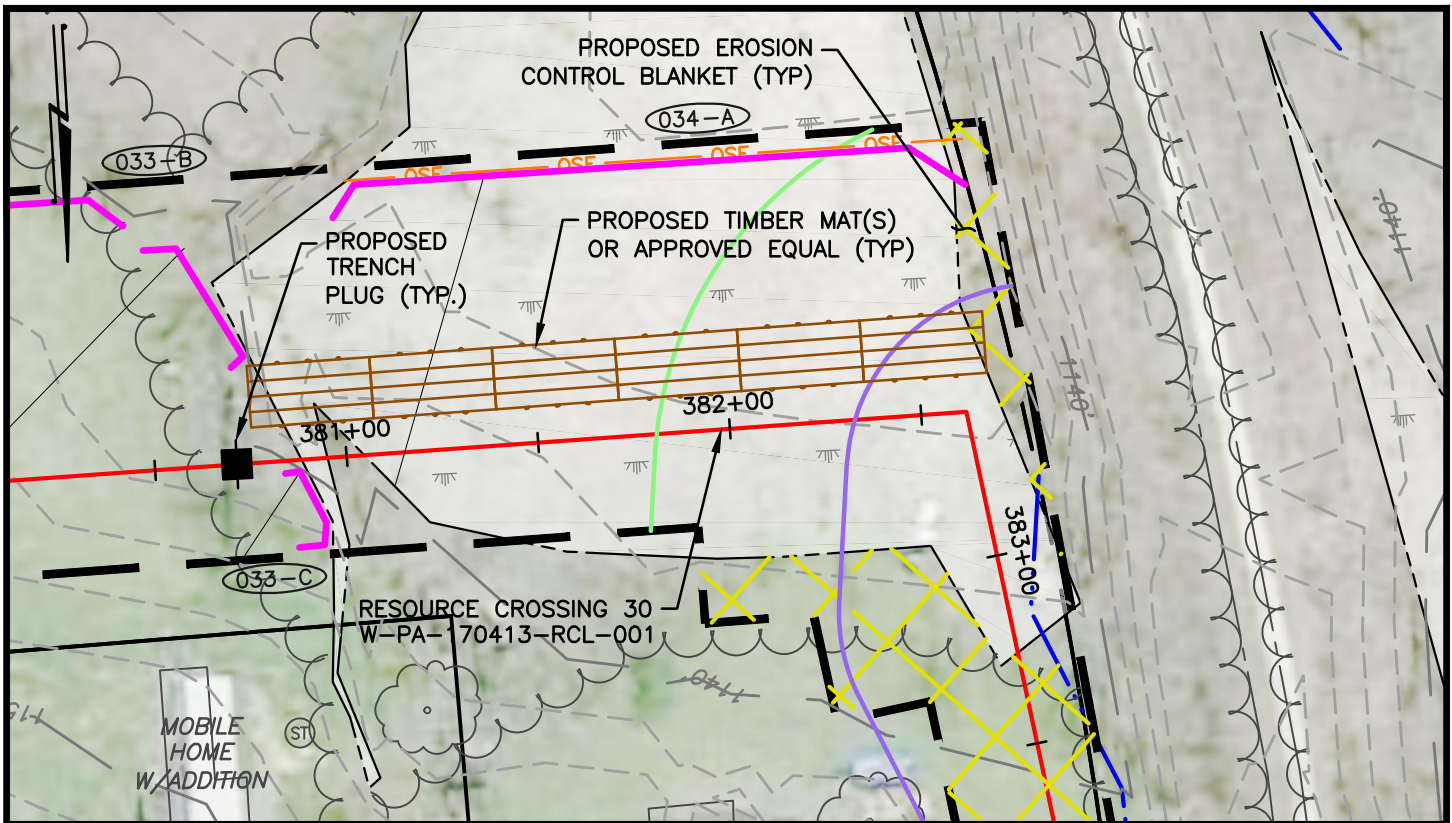


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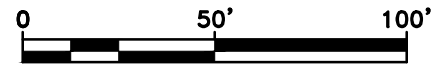
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS029 - RESOURCE CROSSING #29		
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						DATE:	09/14/17	REV. 1
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SCALE: 1" = 50'

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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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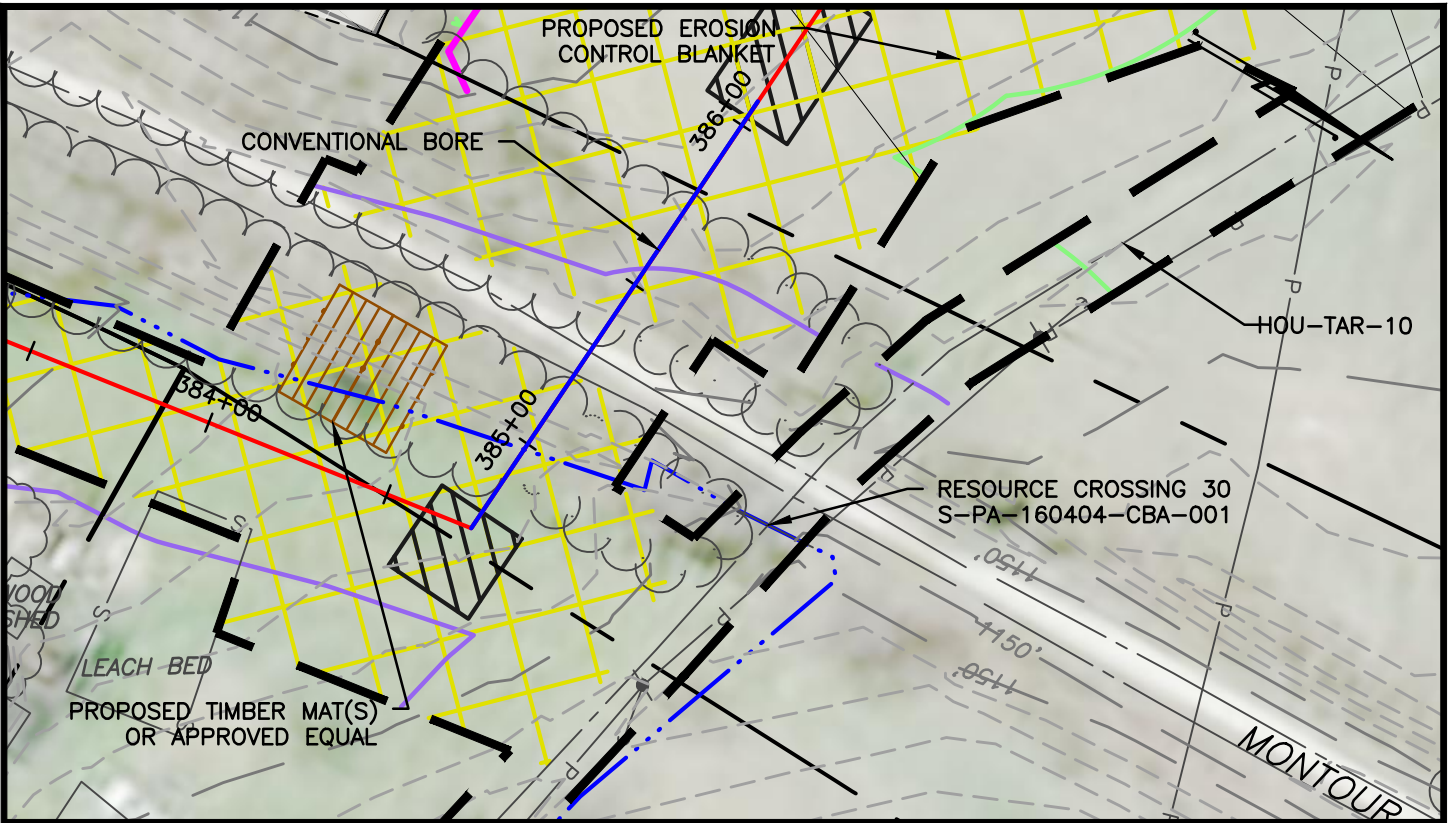
FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS030 - RESOURCE CROSSING #30
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA

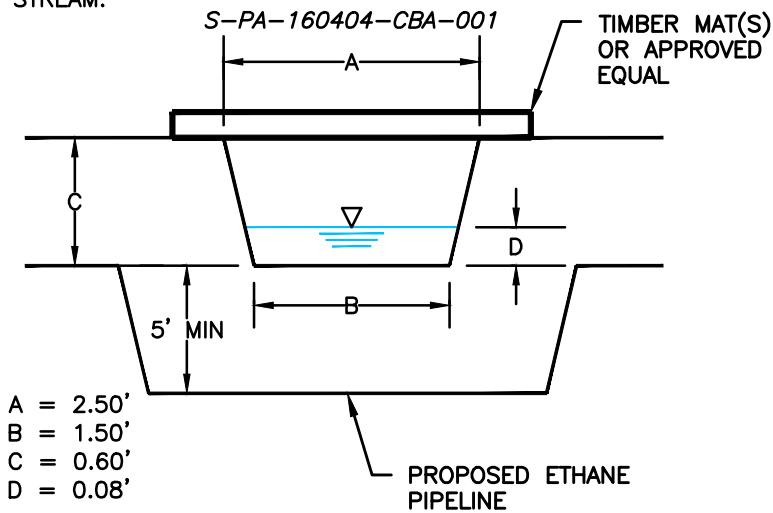
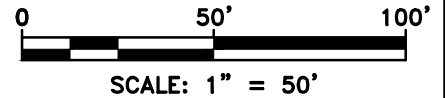
DATE:	09/14/17	SPLC-GOM-AE-SA124529	REV.
BY:	IMM		1

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Last saved by: TASHINA MCKINNEY (11/15/2017 11:17 AM) Last Plotted: 2017-12-04 (12/4/2017 5:37 PM)



NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

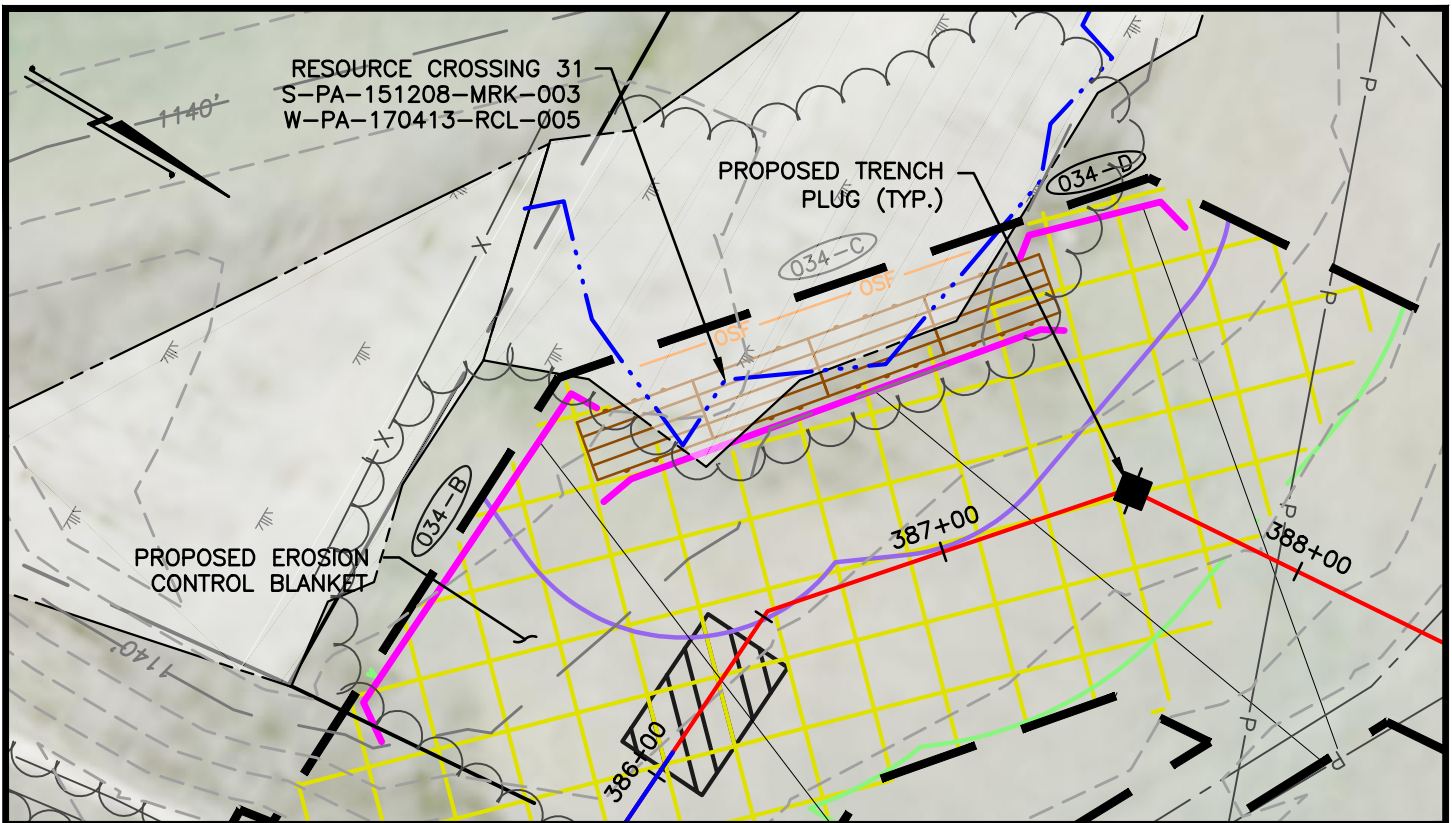


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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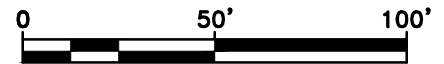
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS031 - RESOURCE CROSSING #30		
MOUNT PLEASANT TOWNSHIP		
WASHINGTON COUNTY, PA		
DATE:	09/14/17	REV. 1
BY:	IMM	SPLC-GOM-AE-SA124530

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\034-STREAM001&WET001.DWG
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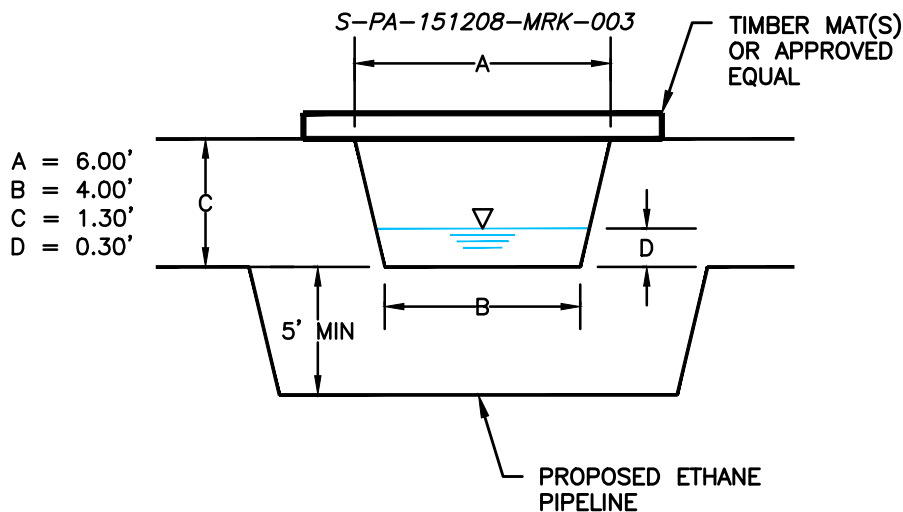


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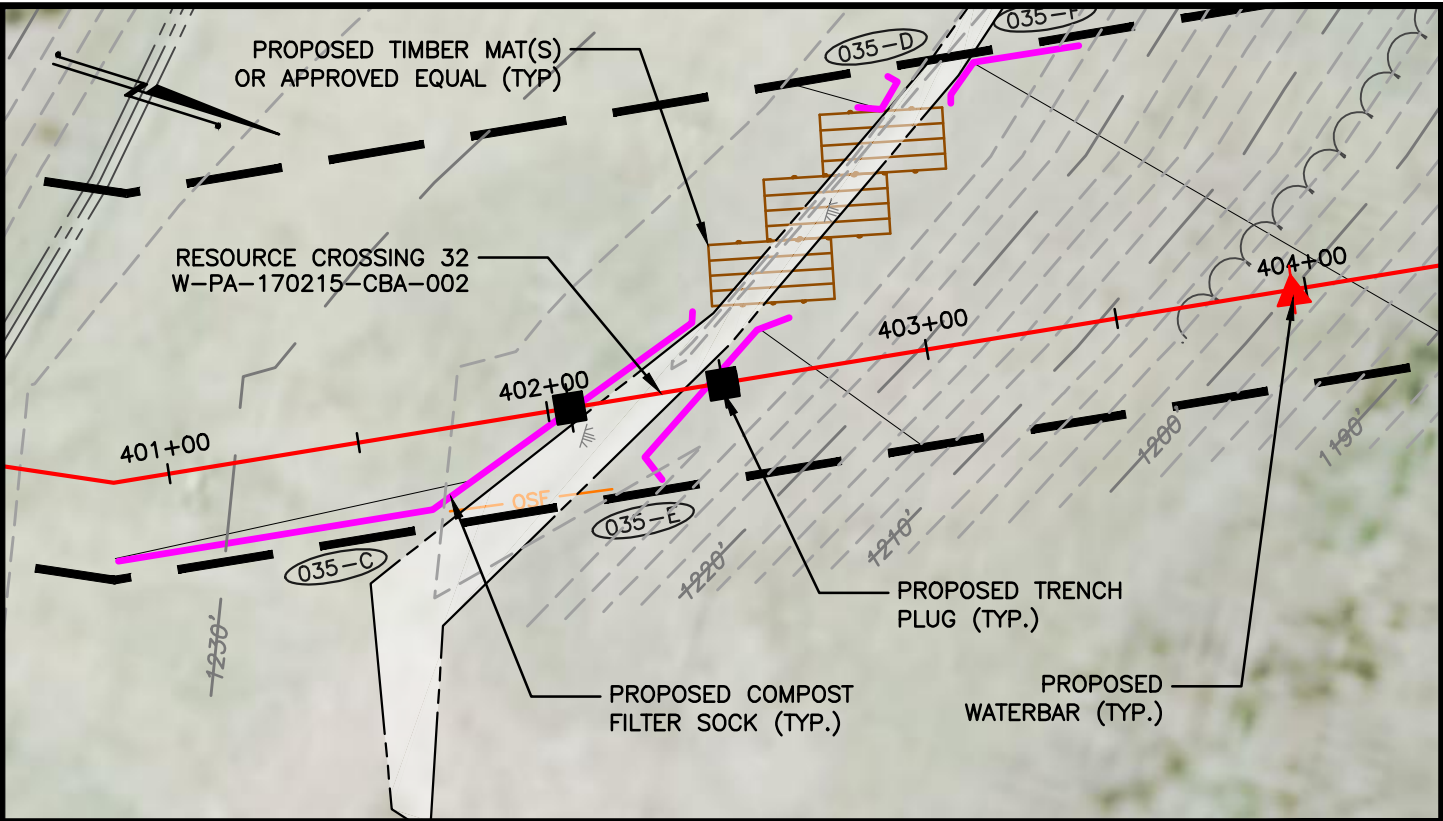


SCALE: 1" = 50'



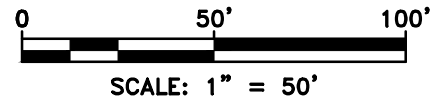
FALCON ETHANE PIPELINE SYSTEM					
HOUSTON TO JUNCTION					
SS032 - RESOURCE CROSSING #31					
MOUNT PLEASANT TOWNSHIP					
WASHINGTON COUNTY, PA					
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.					
DATE: 09/14/17			SPLC-GOM-AE-SA124531		REV. 1
BY: IMM					

File name: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\035-WET001.DWG
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NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

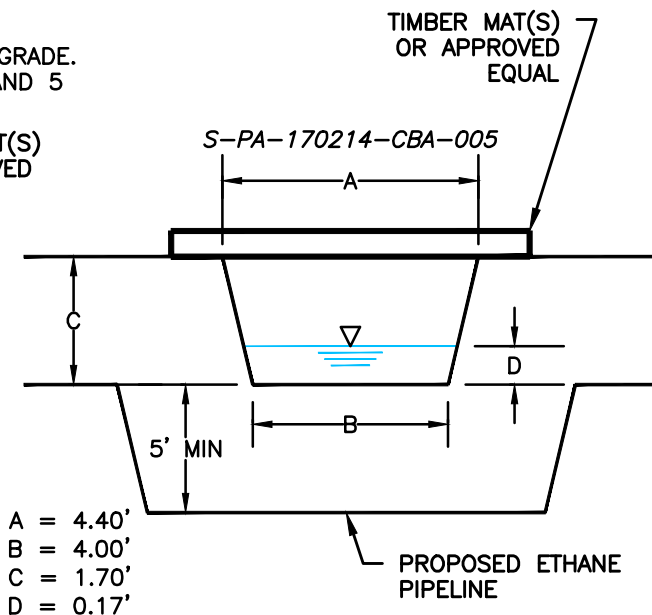
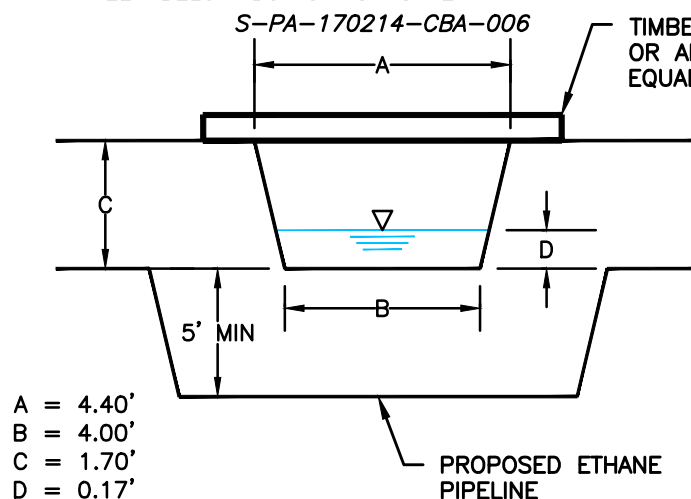
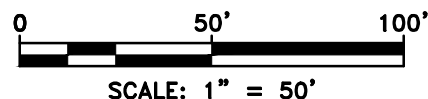
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION**

**SS033 - RESOURCE CROSSING #32
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA**

DATE:	09/14/17	SPLC-GOM-AE-SA124532	REV.
BY:	IMM		1

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



FALCON ETHANE PIPELINE SYSTEM

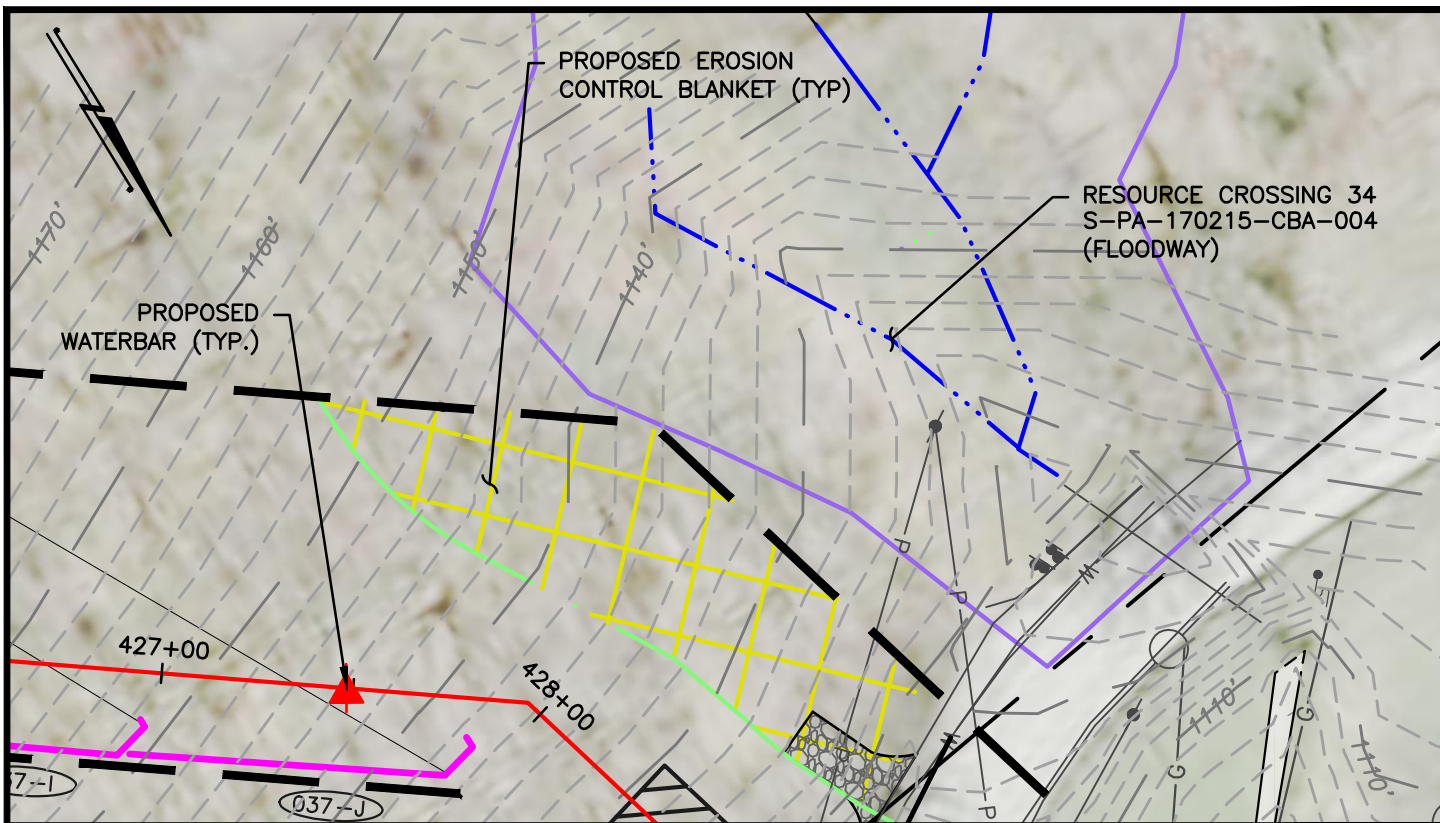
HOUSTON TO JUNCTION

SS034 - RESOURCE CROSSING #33
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY,

DATE:	09/14/17	SPLC-GOM-AE-SA124533	REV.
BY:	IMM		1

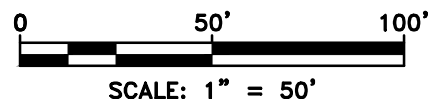
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

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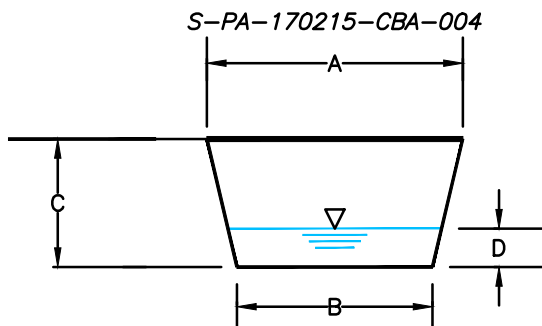


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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



A = 2.50'
 B = 2.00'
 C = 0.30'
 D = 0.00'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM

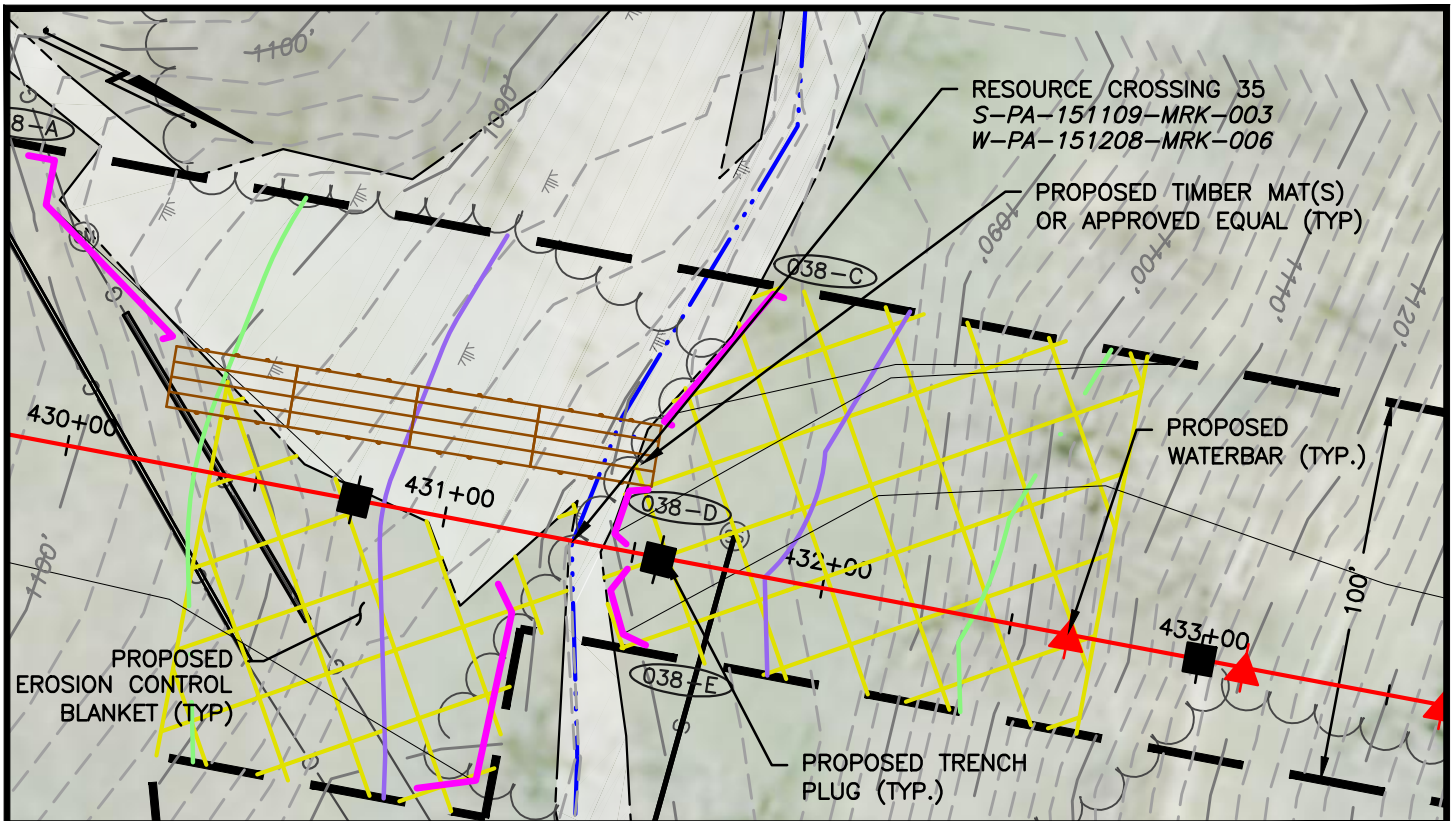
HOUSTON TO JUNCTION

SS035 - RESOURCE CROSSING #34
 MOUNT PLEASANT TOWNSHIP
 WASHINGTON COUNTY, PA

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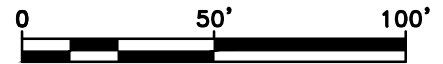
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BY:	IMM		1

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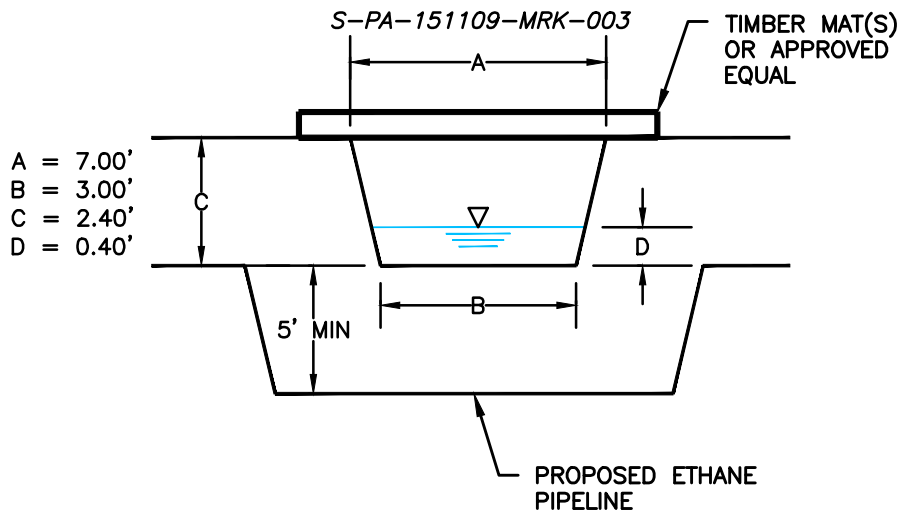


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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

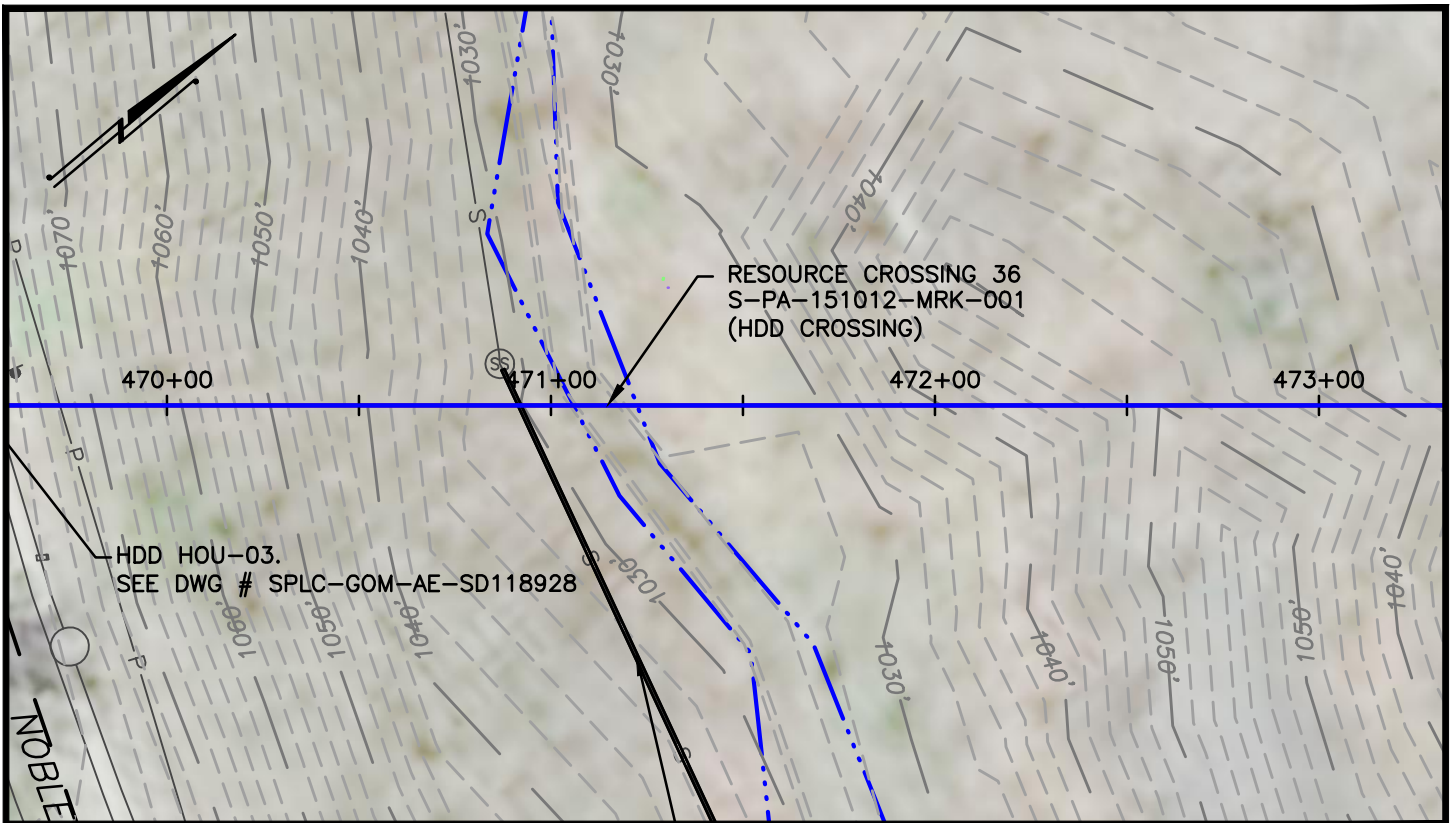
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION**

**SS036 - RESOURCE CROSSING #35
MOUNT PLEASANT TOWNSHIP
WASHINGTON COUNTY, PA**

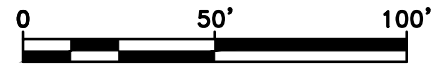
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BY:	IMM		1

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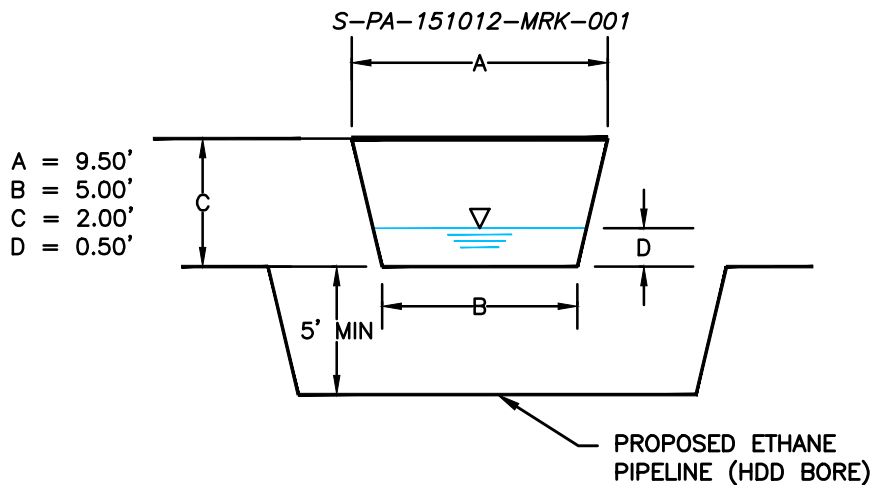


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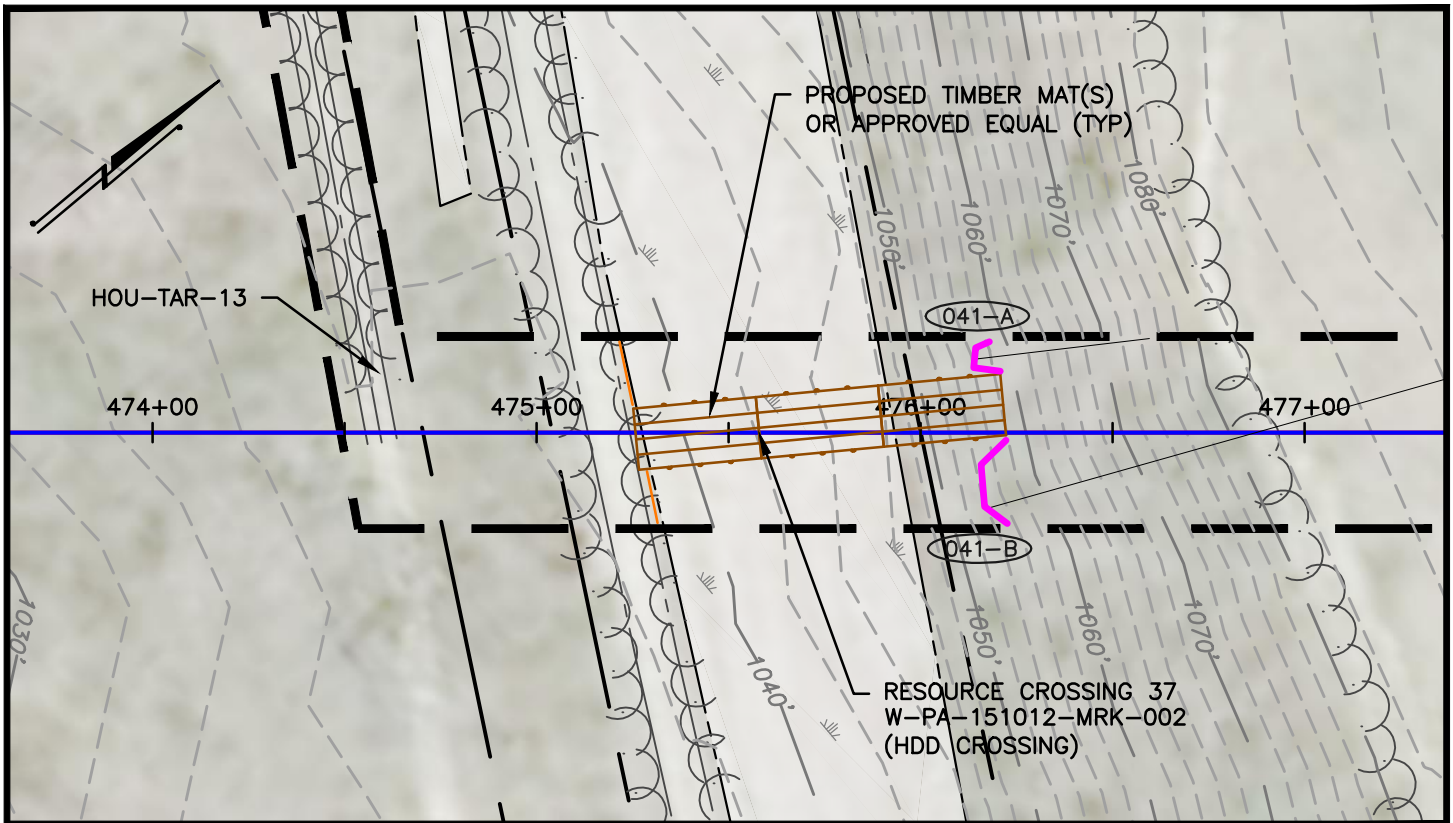


SCALE: 1" = 50'



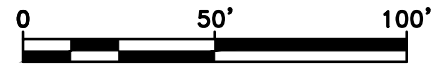
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HOUSTON TO JUNCTION					
SS037 - RESOURCE CROSSING #36					
MOUNT PLEASANT TOWNSHIP					
WASHINGTON COUNTY, PA					
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
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DATE:		09/14/17	SPLC-GOM-AE-SA124536		REV. 1
BY:		IMM			

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\041-WET001.DWG
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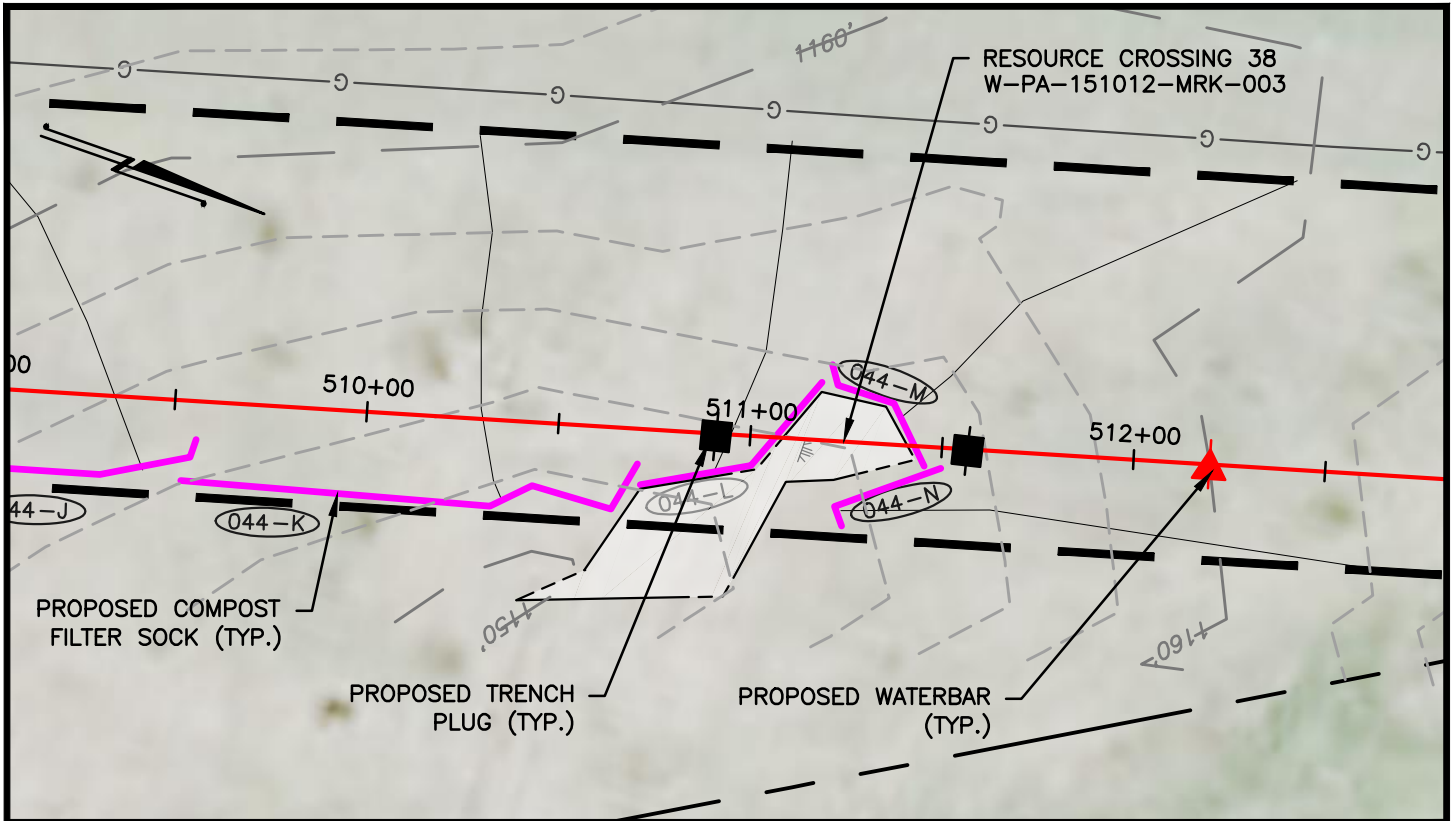
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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SCALE: 1" = 50'

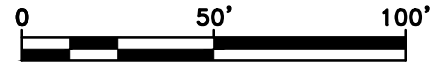
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HOUSTON TO JUNCTION					
SS038 - RESOURCE CROSSING #37					
MOUNT PLEASANT AND ROBINSON TOWNSHIP					
WASHINGTON COUNTY, PA					
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
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DATE:		09/14/17	SPLC-GOM-AE-SA124537		
BY:		IMM	REV. 1		

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SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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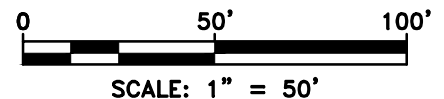
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**FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION**

SS039 - RESOURCE CROSSING #38
ROBINSON TOWNSHIP
WASHINGTON COUNTY, PA

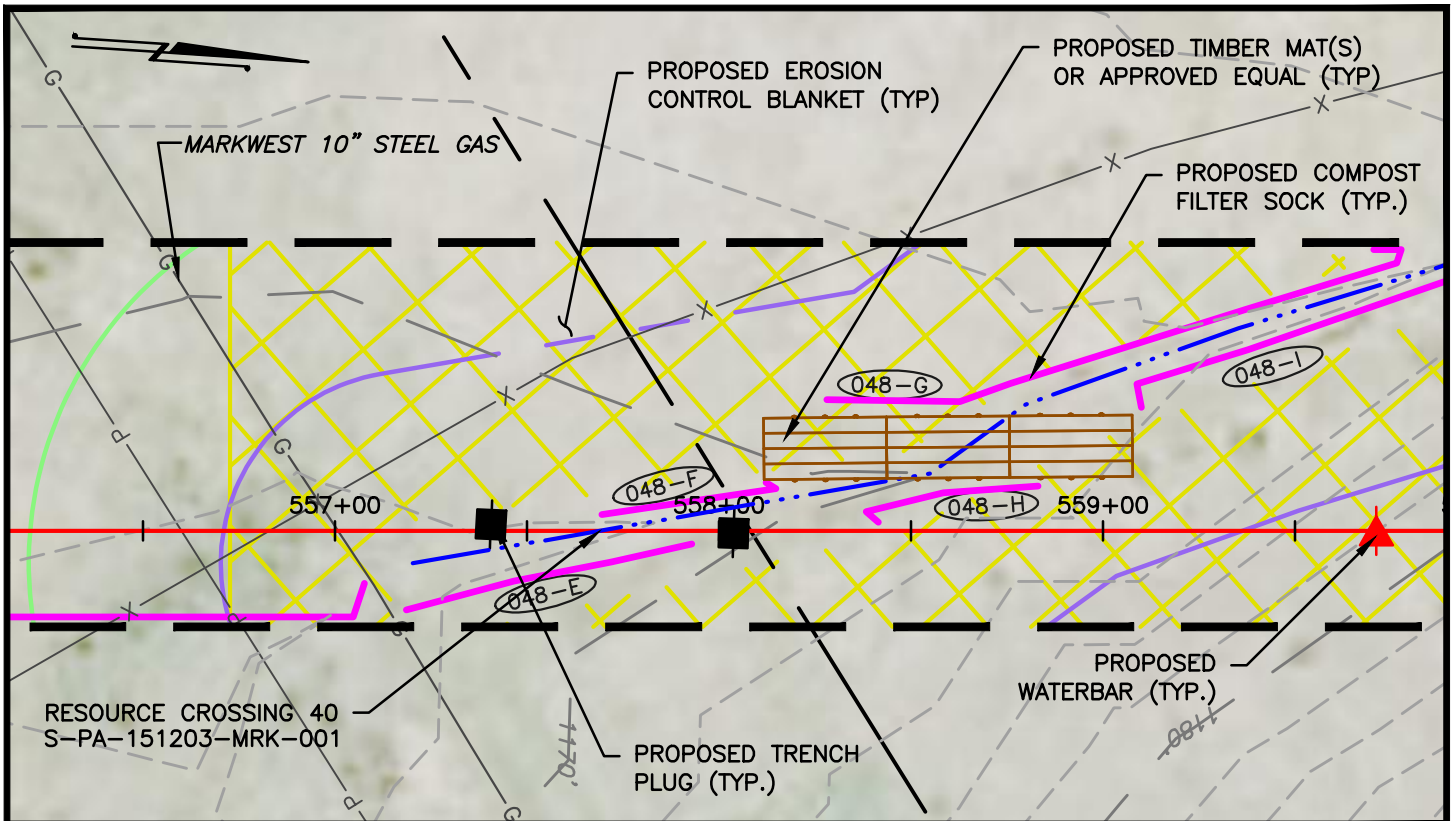
DATE:	09/14/17	SPLC-GOM-AE-SA124538	REV.
BY:	IMM		1

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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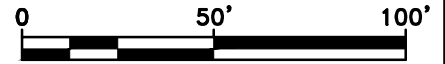
						FALCON ETHANE PIPELINE SYSTEM		
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	HOUSTON TO JUNCTION		
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS040 – RESOURCE CROSSING #39		
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	ROBINSON TOWNSHIP		
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.						WASHINGTON COUNTY,		PA
						DATE: 09/14/17		SPLC-GOM-AE-SA124539
						BY: IMM		

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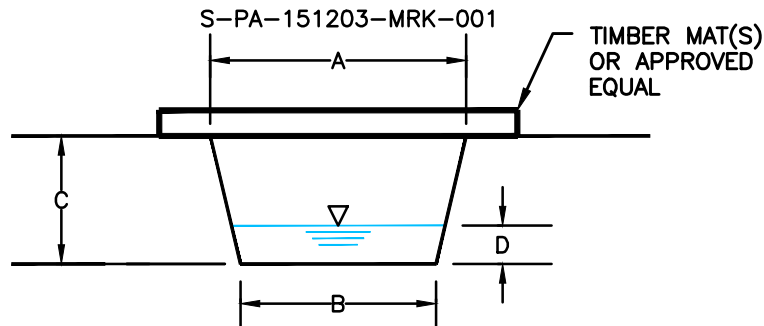


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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS041 - RESOURCE CROSSING #40

ROBINSON TOWNSHIP
WASHINGTON COUNTY,

PA

DATE: 09/14/17

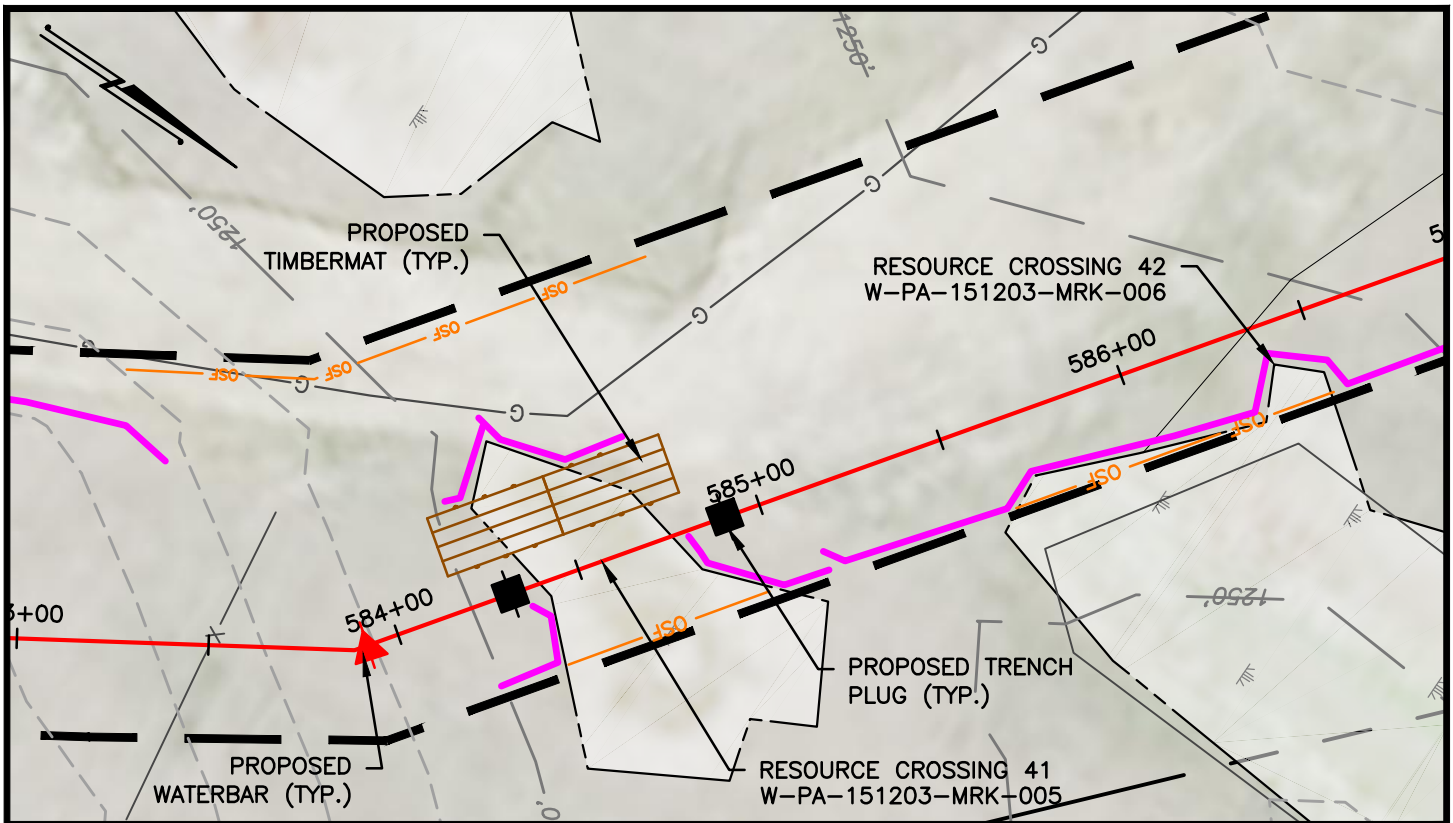
BY: IMM

SPLC-GOM-AE-SA124540

REV.

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Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\050-WET001&002.DWG
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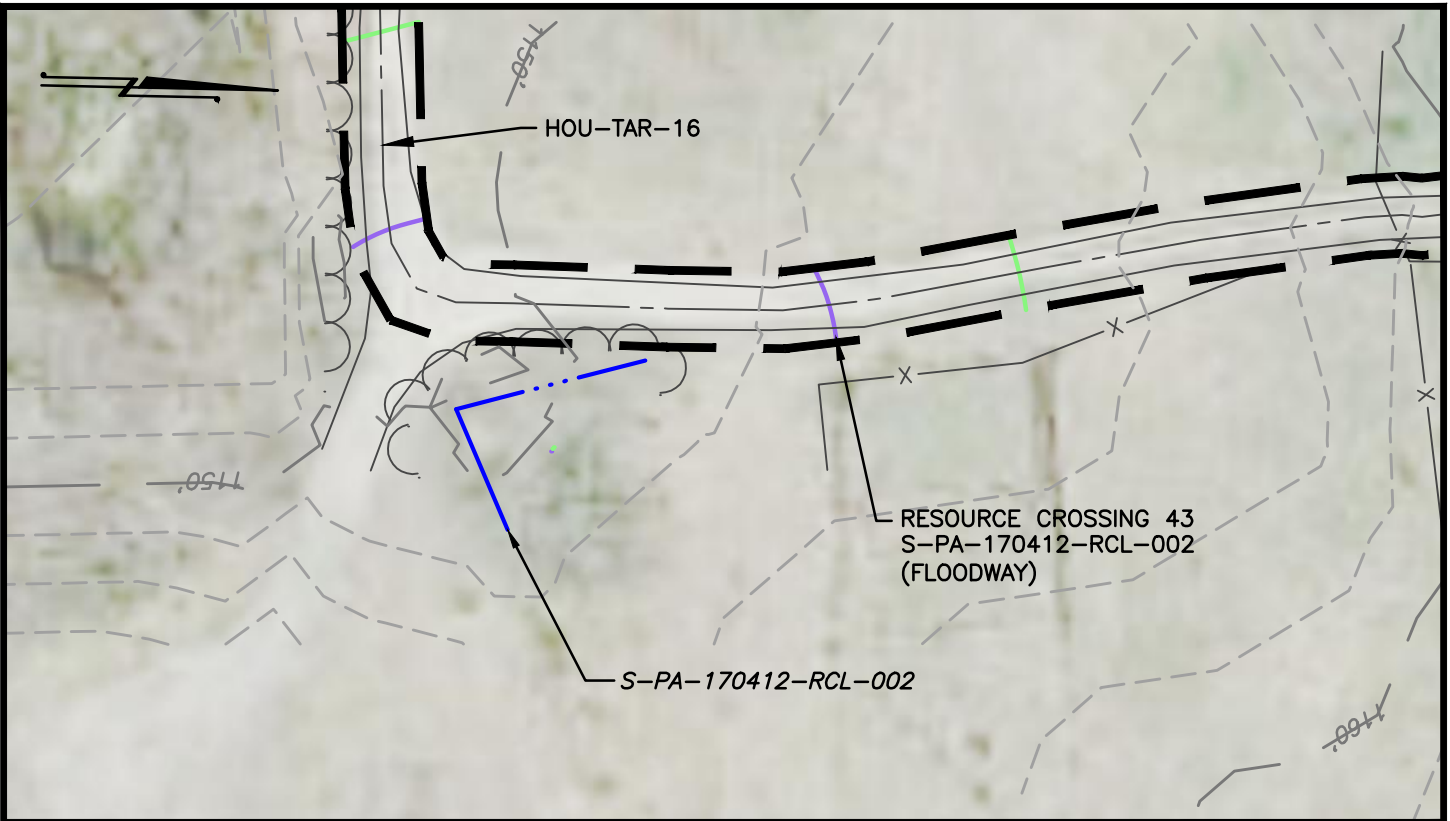
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

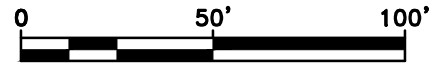
FALCON ETHANE PIPELINE SYSTEM					
HOUSTON TO JUNCTION					
SS042 - RESOURCE CROSSING #41 & #42					
ROBINSON TOWNSHIP					
WASHINGTON COUNTY, PA					
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.					
DATE: 09/14/17			SPLC-GOM-AE-SA124541		
BY: IMM			REV. 1		

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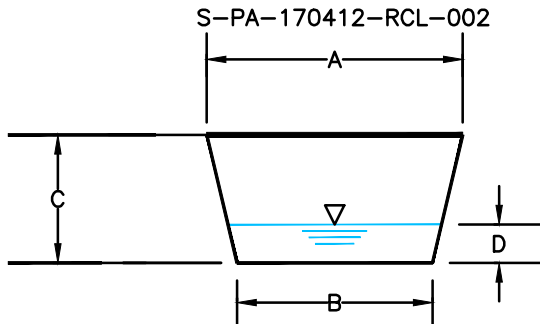
NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

A = #'
B = #'
C = #'
D = #'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

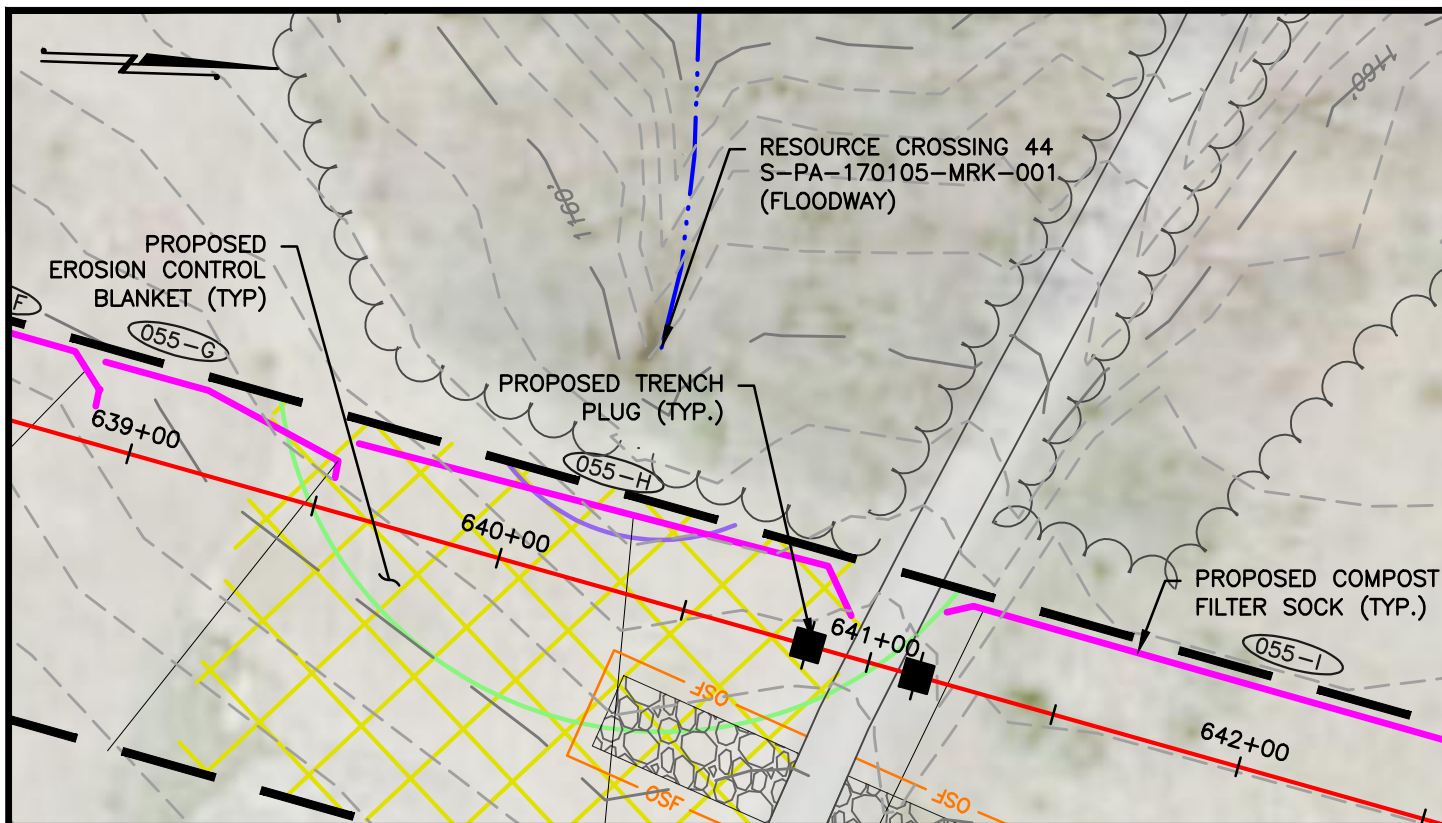
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION**

SS043 - RESOURCE CROSSING #43
ROBINSON TOWNSHIP
WASHINGTON COUNTY, PA

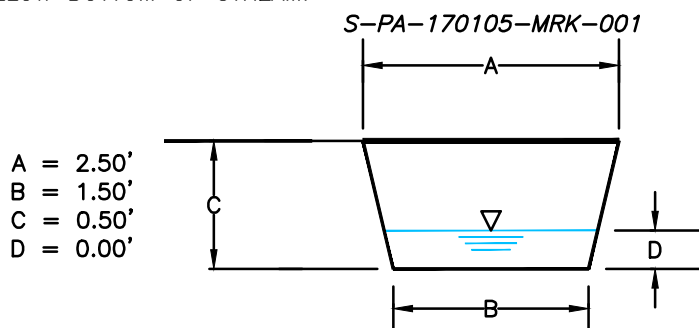
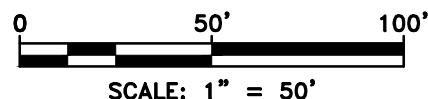
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BY:	IMM		

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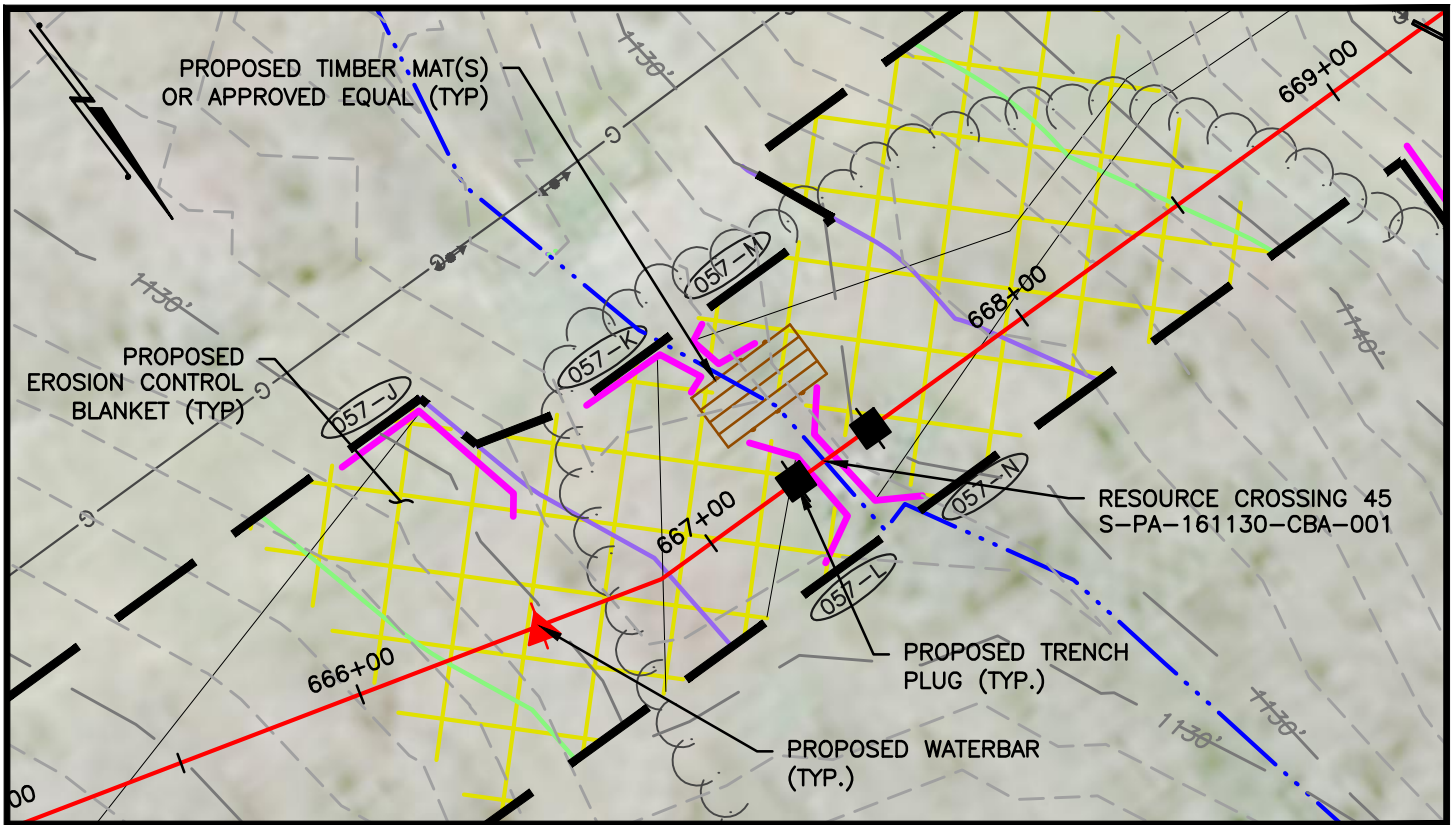
NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



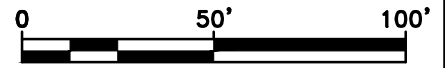
						FALCON ETHANE PIPELINE SYSTEM		
						HOUSTON TO JUNCTION		
						SS044 - RESOURCE CROSSING #44		
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						WASHINGTON COUNTY, PA		
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	DATE:	09/14/17	REV. 1
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	BY:	IMM	
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SPLC-GOM-AE-SA124543		
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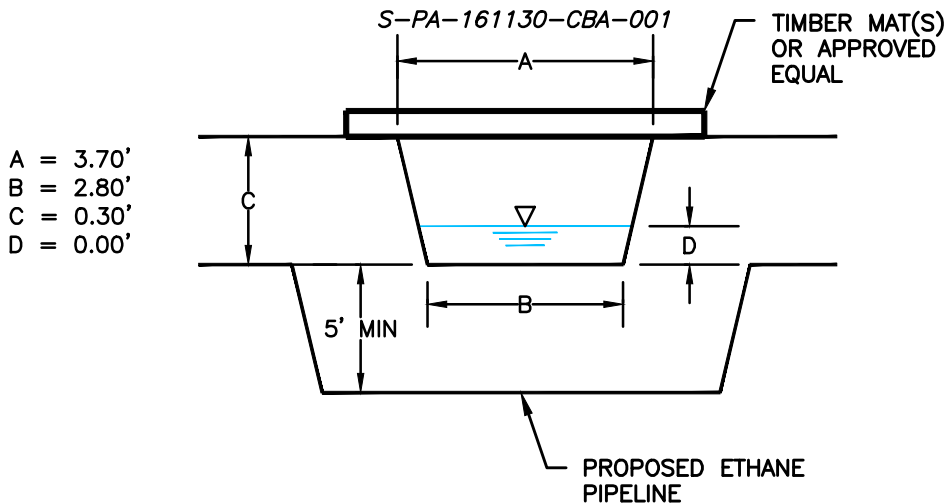


NOTES:

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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

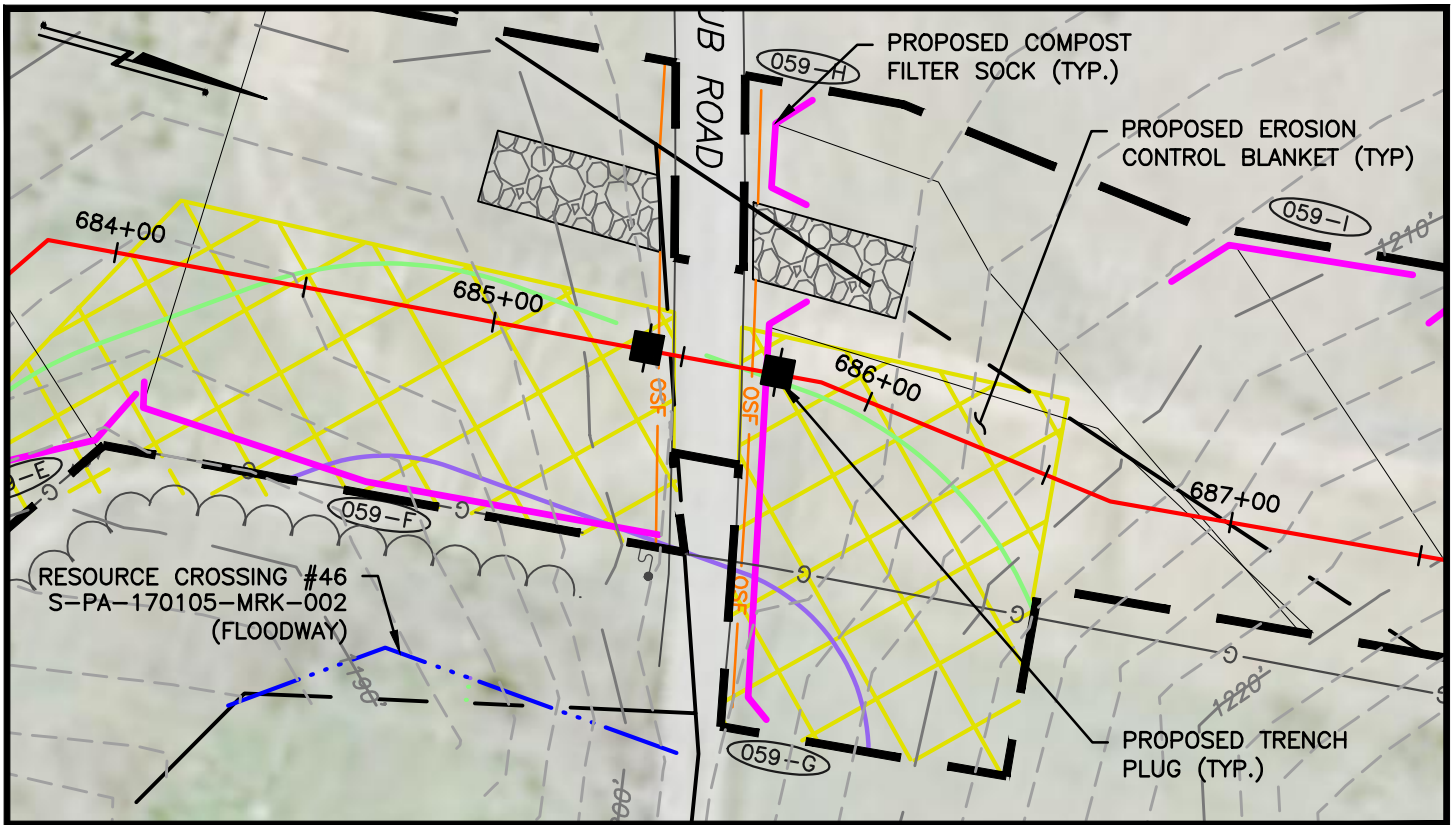
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

FALCON ETHANE PIPELINE SYSTEM
HOUSTON TO JUNCTION

SS045 - RESOURCE CROSSING #45
ROBINSON TOWNSHIP
WASHINGTON COUNTY, PA

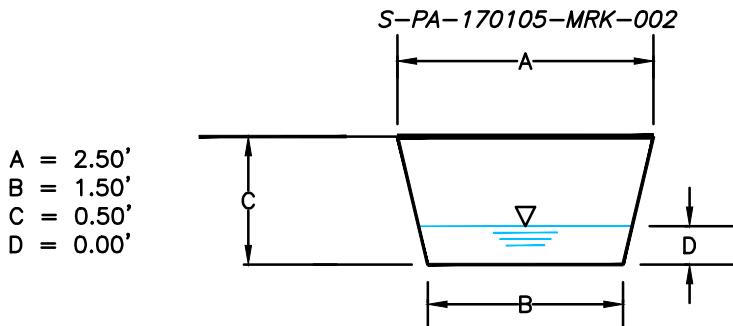
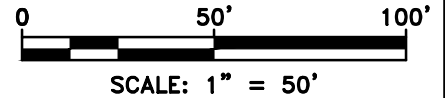
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BY:	IMM		

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NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

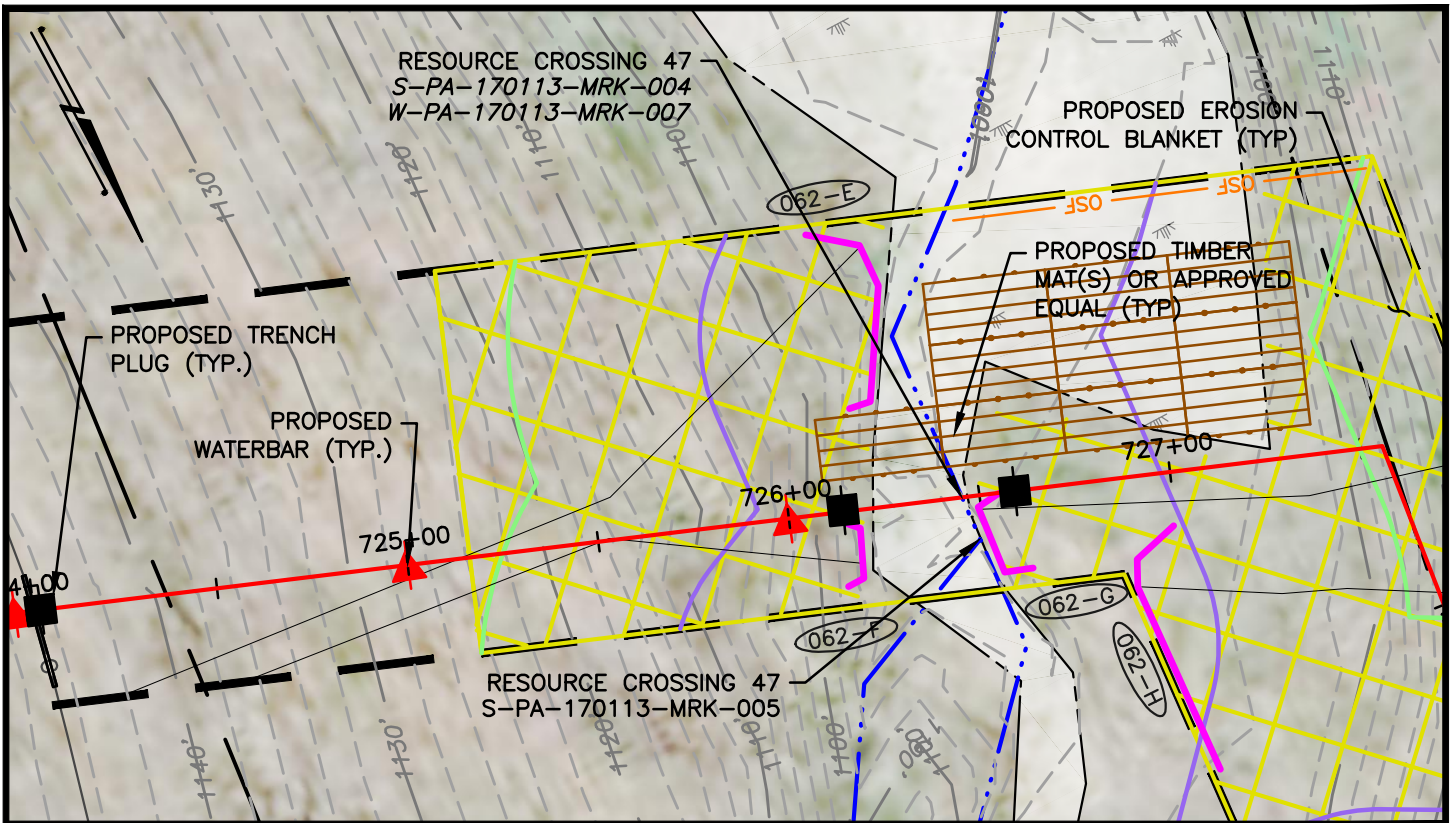


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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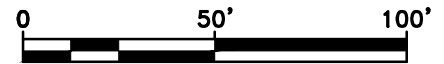
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS046 - RESOURCE CROSSING #46		
ROBINSON TOWNSHIP		PA
WASHINGTON COUNTY,		
DATE:	09/14/17	REV. 1
BY:	IMM	
SPLC-GOM-AE-SA124545		

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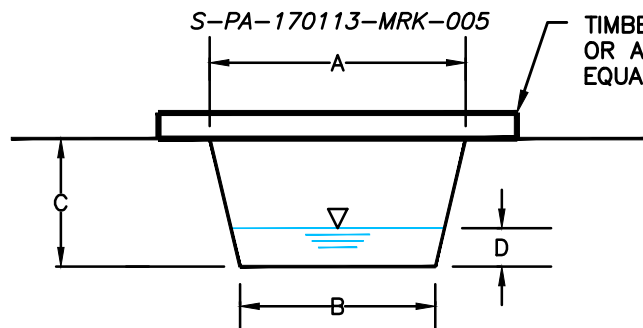


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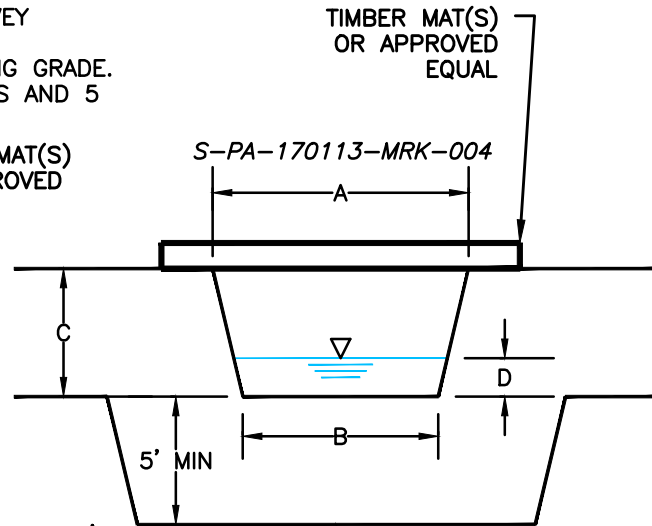
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'



A = 7.50'
B = 4.00'
C = 2.70'
D = 0.70'



A = 7.50'
B = 4.00'
C = 2.70'
D = 0.70'

PROPOSED ETHANE PIPELINE

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

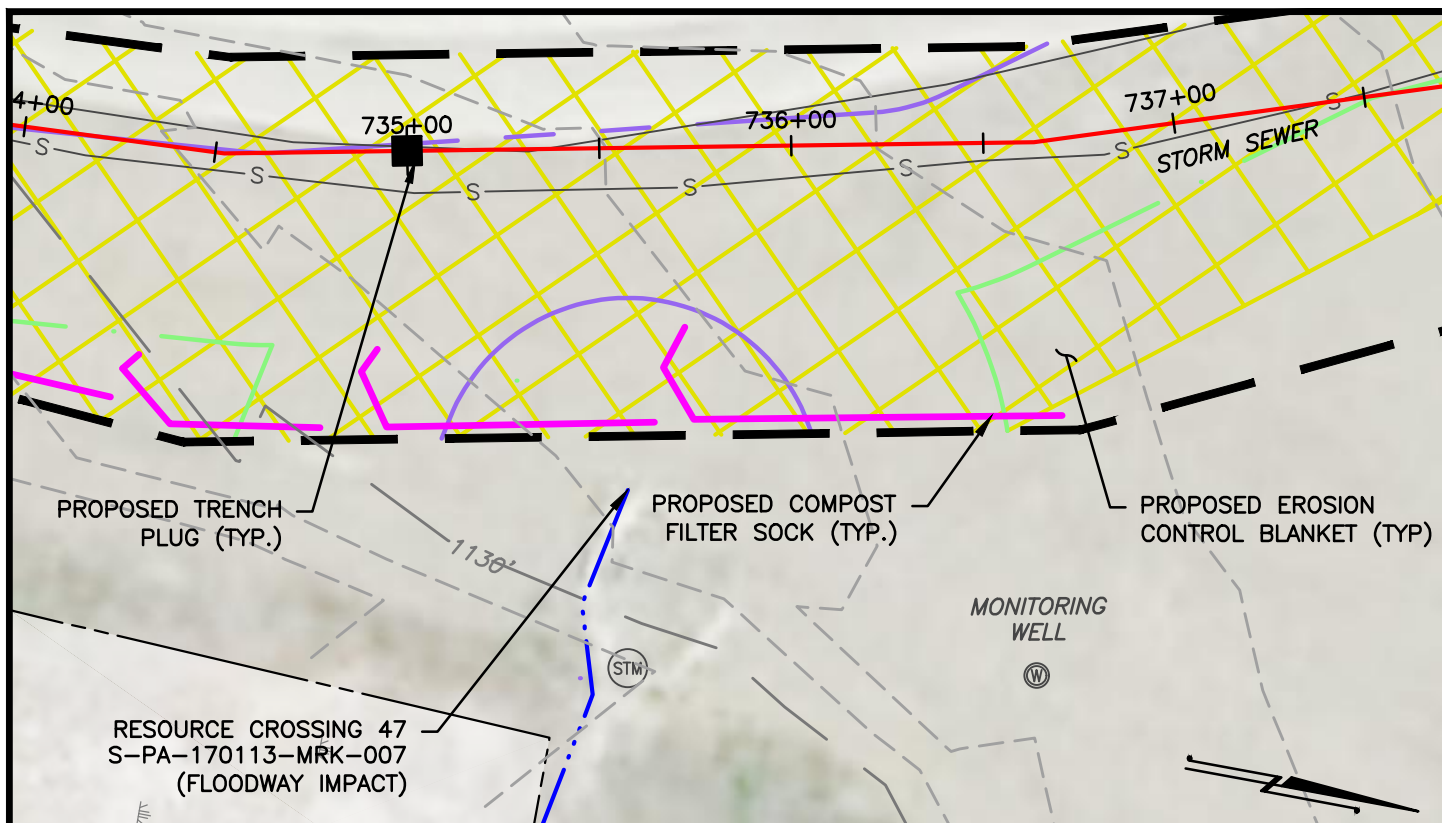
SS047 - RESOURCE CROSSING #47

ROBINSON TOWNSHIP
WASHINGTON COUNTY,

PA

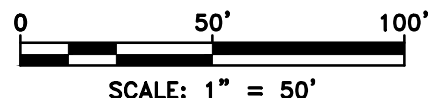
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BY:	IMM		

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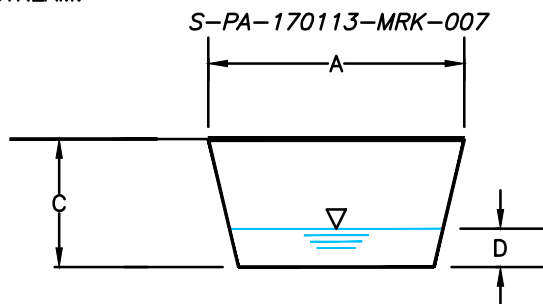


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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

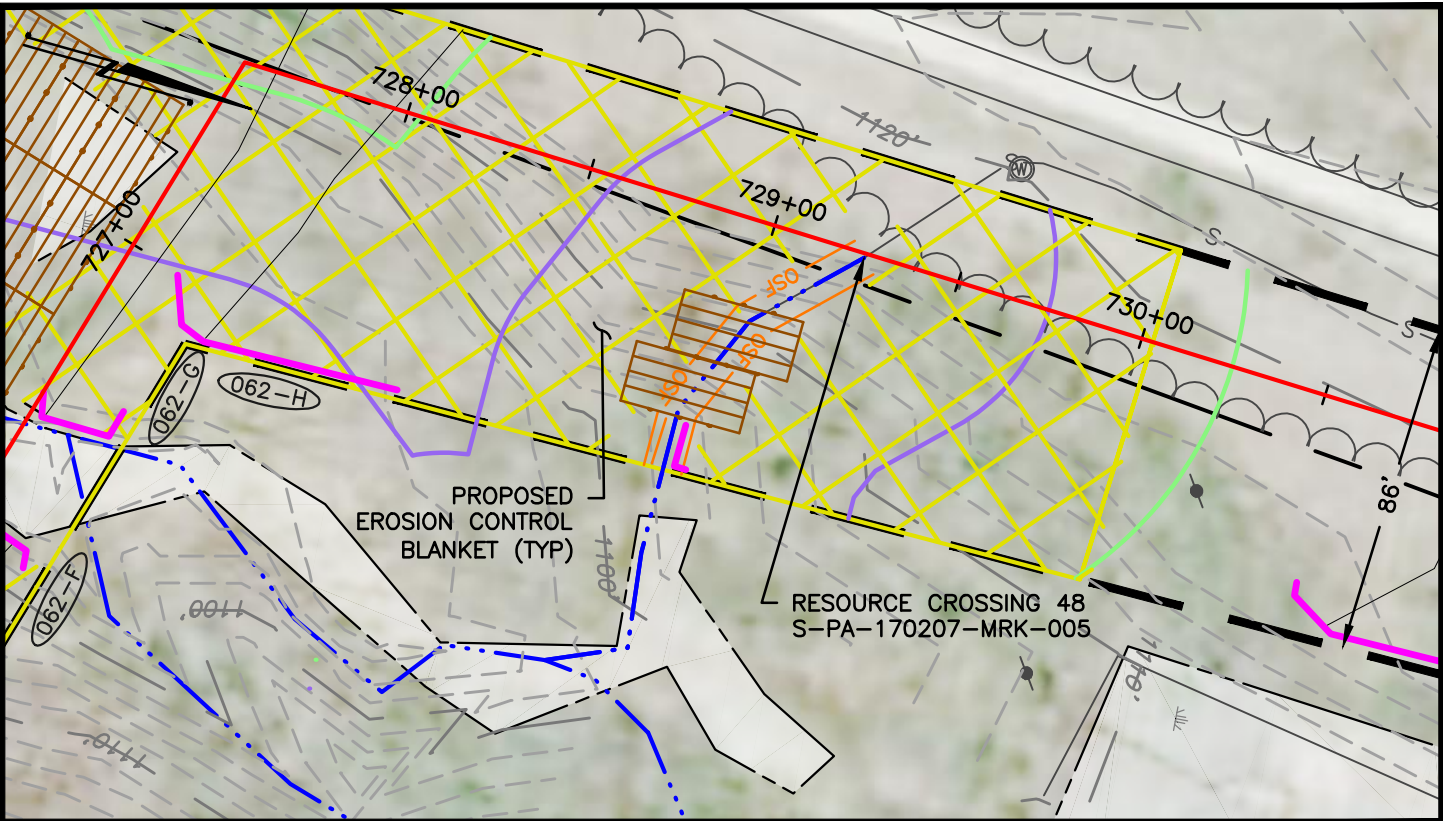


A = 4.00'
 B = 2.50'
 C = 1.50'
 D = 0.50'



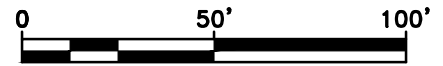
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	FALCON ETHANE PIPELINE SYSTEM		
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	HOUSTON TO JUNCTION		
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS048 - RESOURCE CROSSING #47		
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						WASHINGTON COUNTY, PA		
						DATE:	09/14/17	REV. 1
						BY:	IMM	SPLC-GOM-AE-SA124547

File name: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\063-STREAM001.DWG
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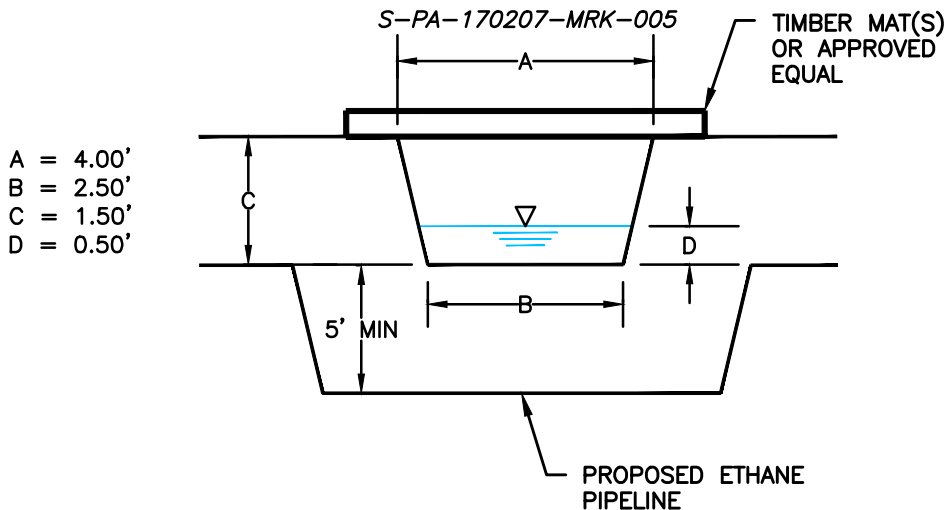


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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

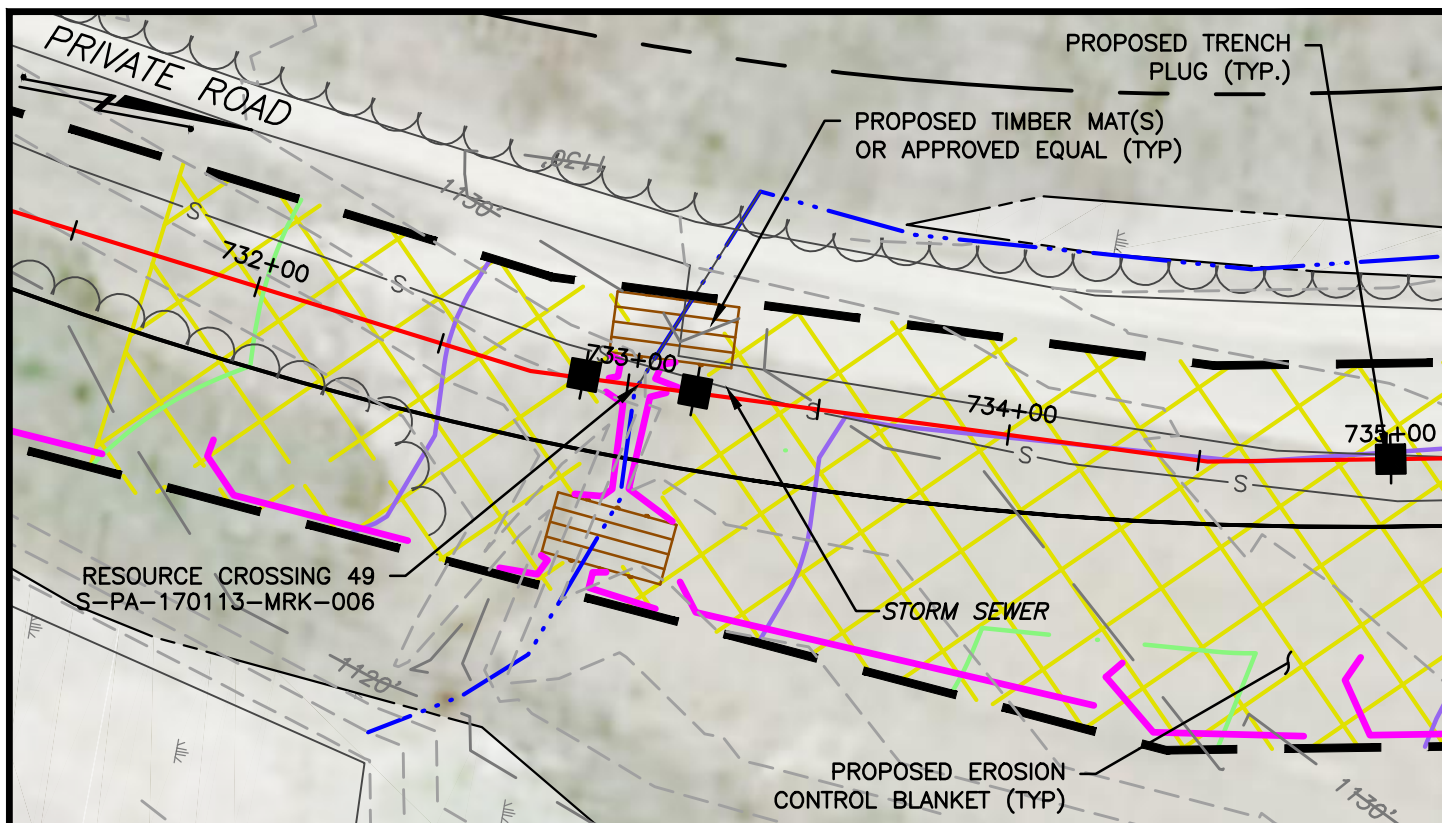


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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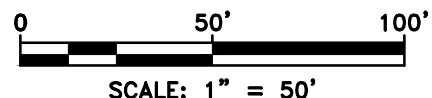
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS049 - RESOURCE CROSSING #48		
ROBINSON AND NORTH FAYETTE TOWNSHIP		
WASHINGTON COUNTY, PA		
DATE:	09/14/17	REV. 1
BY:	IMM	SPLC-GOM-AE-SA124548

Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\063-STREAM002.DWG
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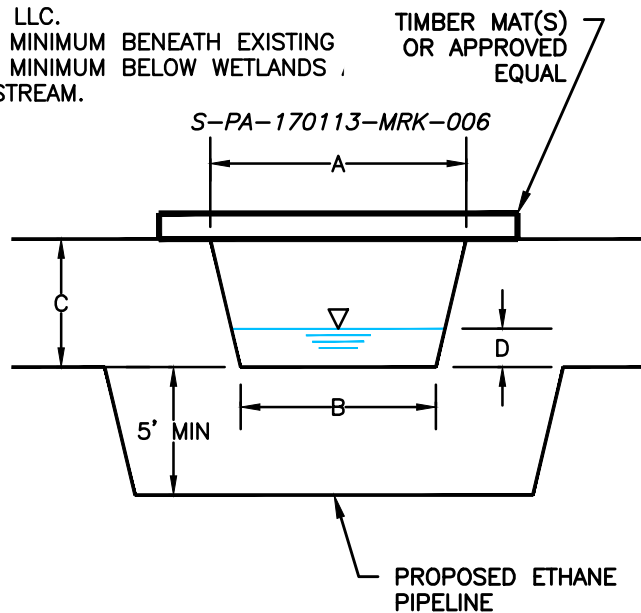


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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS, FEET BELOW BOTTOM OF STREAM.



A = 3.00'
 B = 1.00'
 C = 1.20'
 D = 0.20'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	FALCON ETHANE PIPELINE SYSTEM	
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	HOUSTON TO JUNCTION	
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SS050 - RESOURCE CROSSING #49	
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						DATE: 09/14/17	REV. 1
						BY: IMM	SPLC-GOM-AE-SA124549

Requirement I

Location Map

