

ATTACHMENT L
REVISED SITE SPECIFIC DRAWINGS

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

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

SEPTEMBER, 2017
REVISED: AUGUST, 2018

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

2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	NS	JR	FALCON ETHANE PIPELINE SYSTEM	
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR		
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	SHELL PIPELINE COMPANY LP	
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	COVER	
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DATE:		09/14/17	SPLC-GOM-AE-SA124679				REV.
BY:		IMM					1

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Last saved by: TASHINA.MCKINNEY (7/27/2018 3:03 PM) Last Plotted: 2018-07-31 (7/31/2018 2:54 PM)

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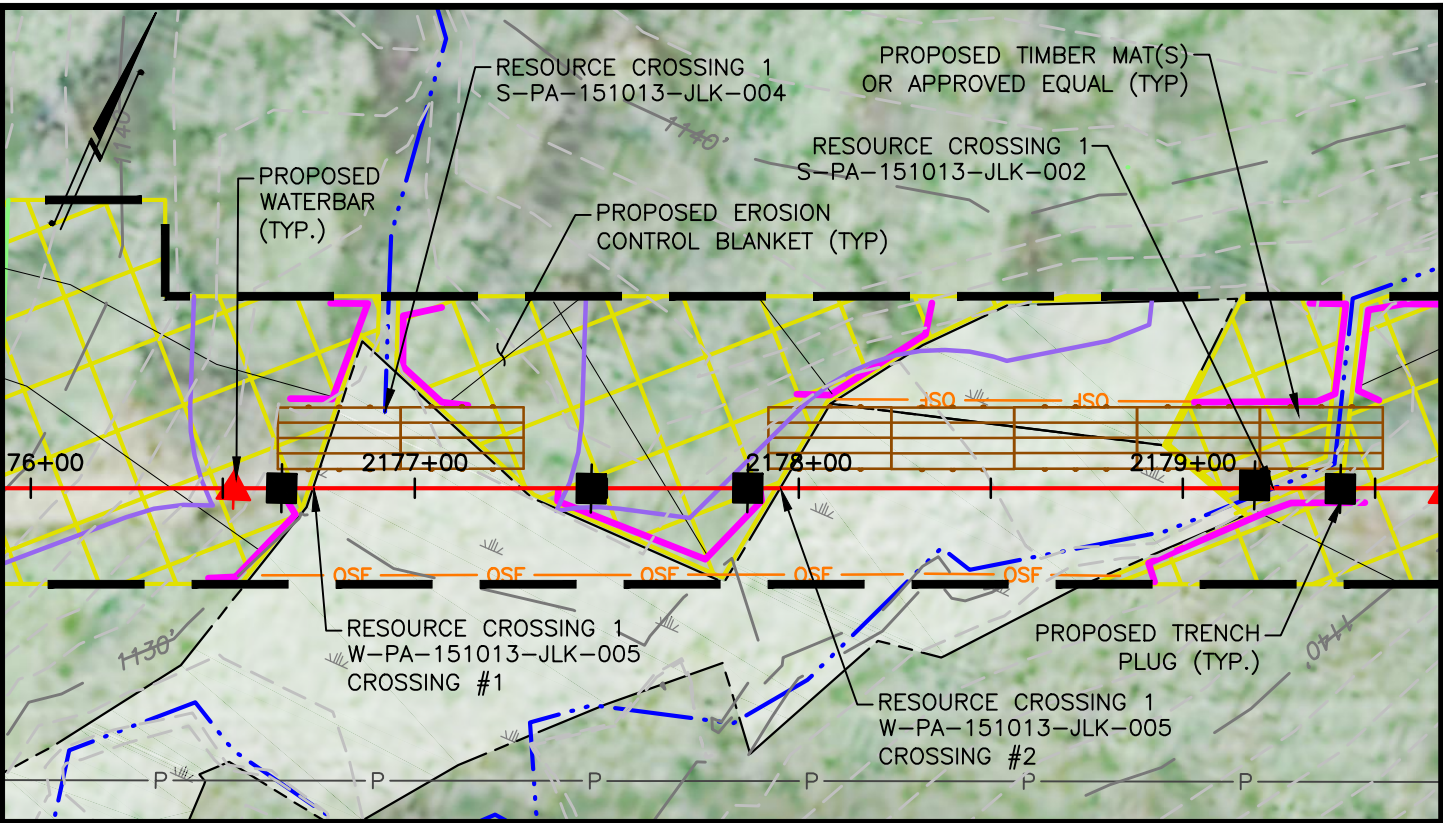
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	EXISTING CONTOURS (INTERMEDIATE)		WATER LINE
	PROPERTY LINE		GUIDE RAIL
	STREAM		SIGN
	WETLAND		MAILBOX
	OPEN-ENDED WETLAND		TREE
	SANITARY SEWER		TELEPHONE PEDESTOOL
	FENCE LINE		GAS METER
	ELECTRIC UTILITY		WELL
	GAS LINE		PIPELINE MARKER
	OVERHEAD 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

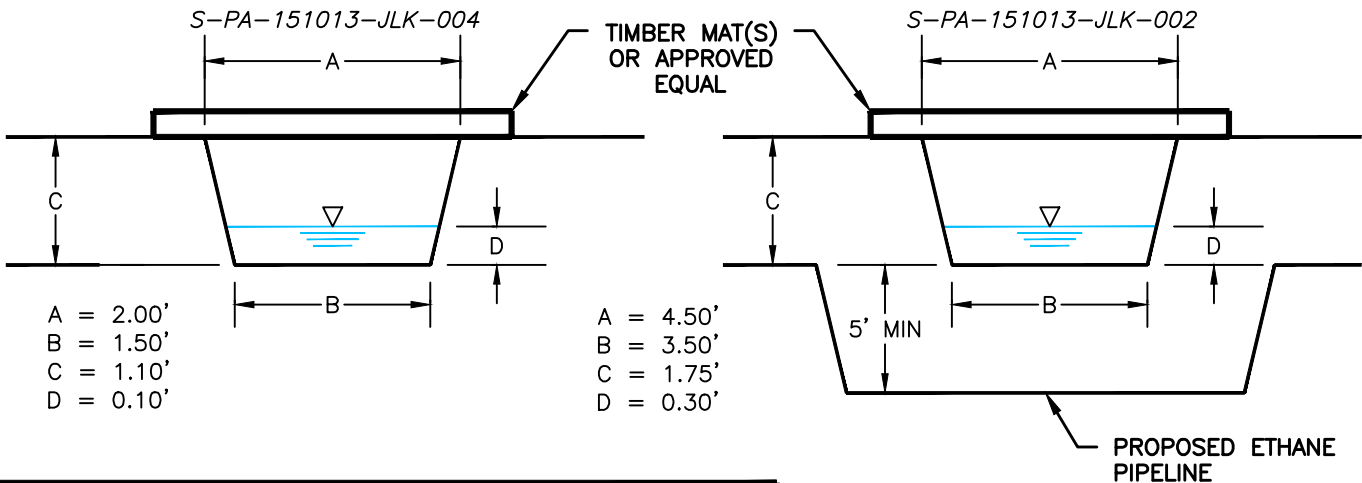
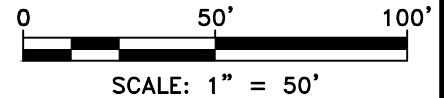
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	NS	JR	FALCON ETHANE PIPELINE SYSTEM	
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR	SCIO TO JUNCTION	
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW	LEGEND	
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP	BEAVER CO. PA	
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						BY: IMM	SPLC-GOM-AE-SA124680

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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.

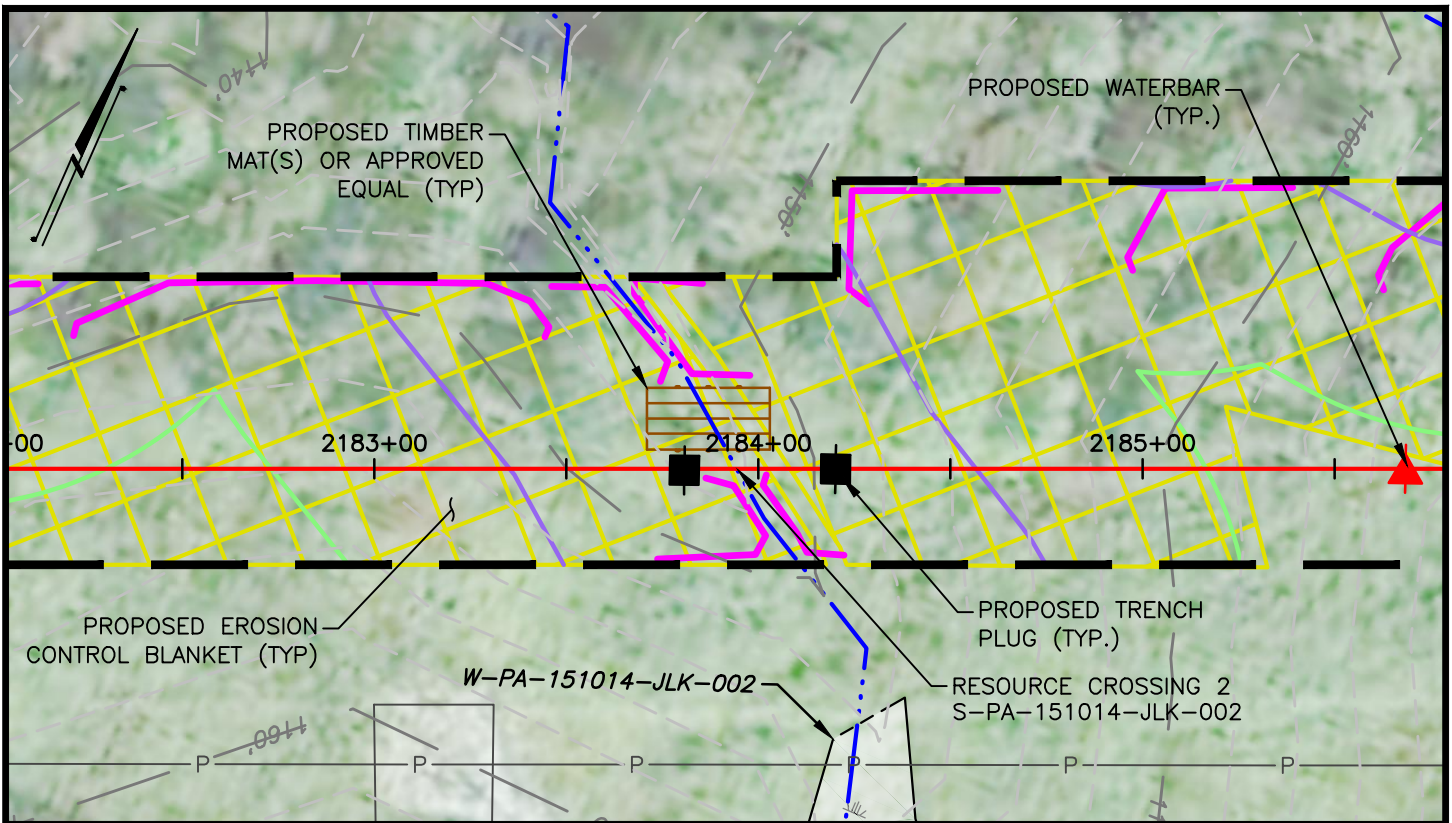


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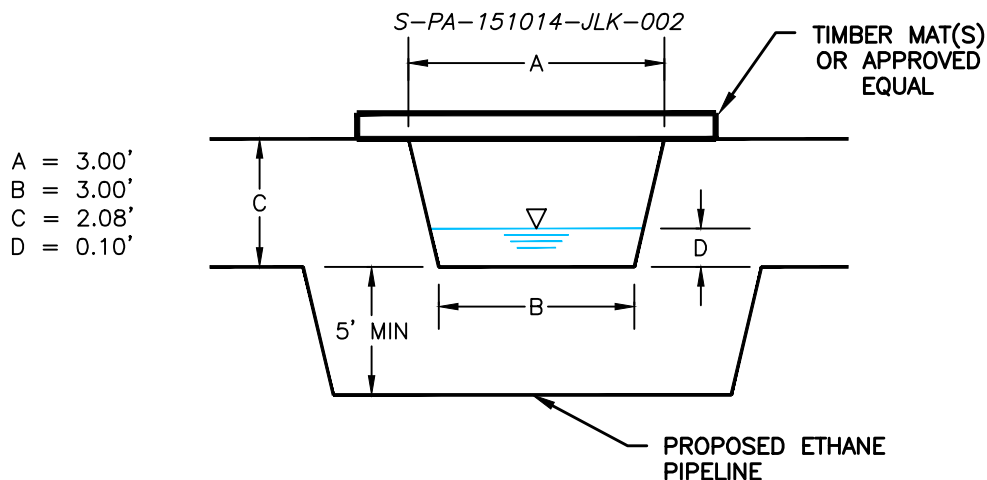
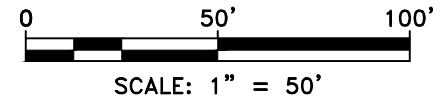
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS089 - RESOURCE CROSSING #1		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124553

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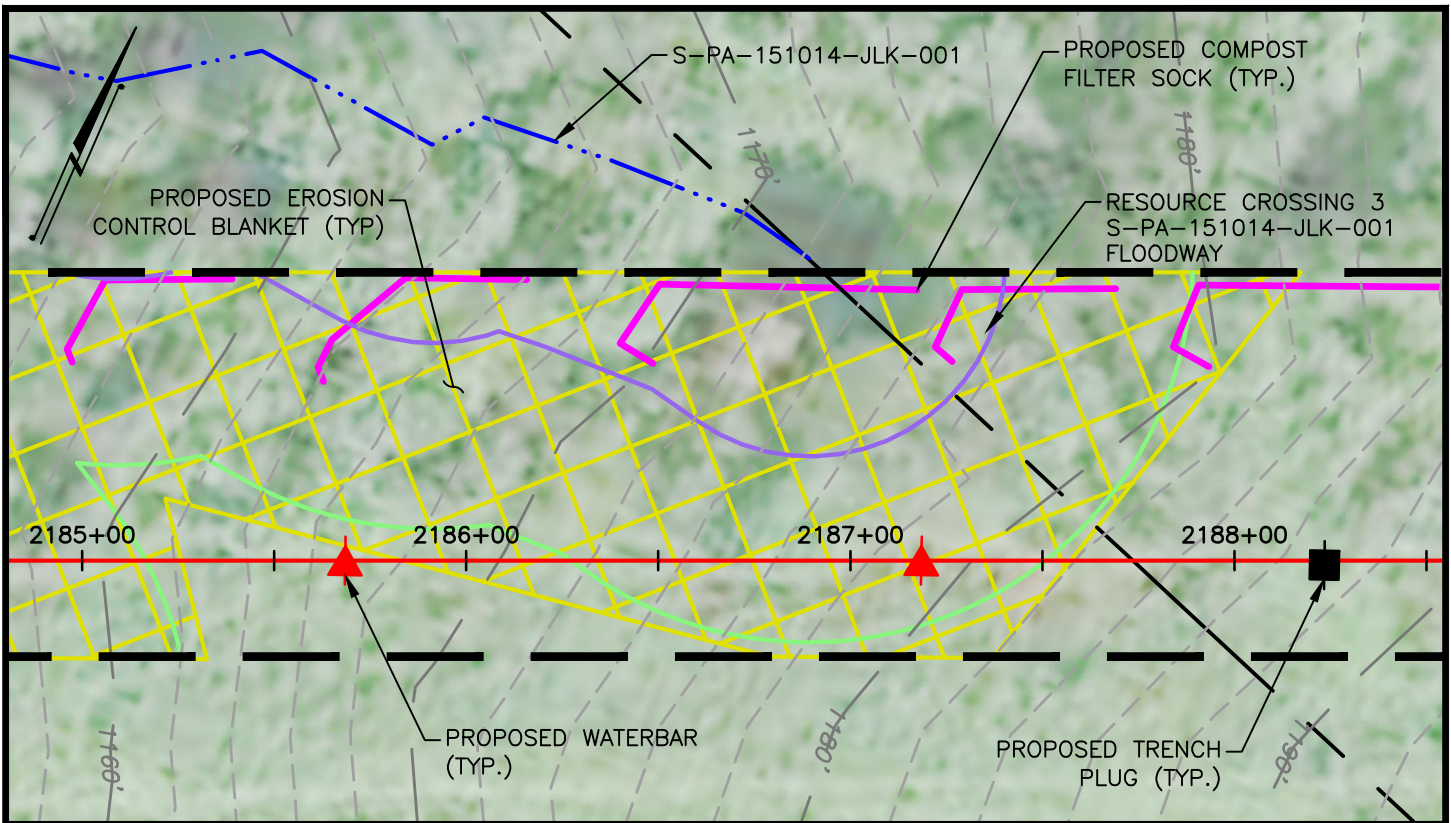


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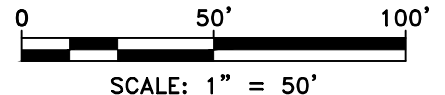
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SS090 - RESOURCE CROSSING #2		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
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BY:	IMM	SPLC-GOM-AE-SA124554

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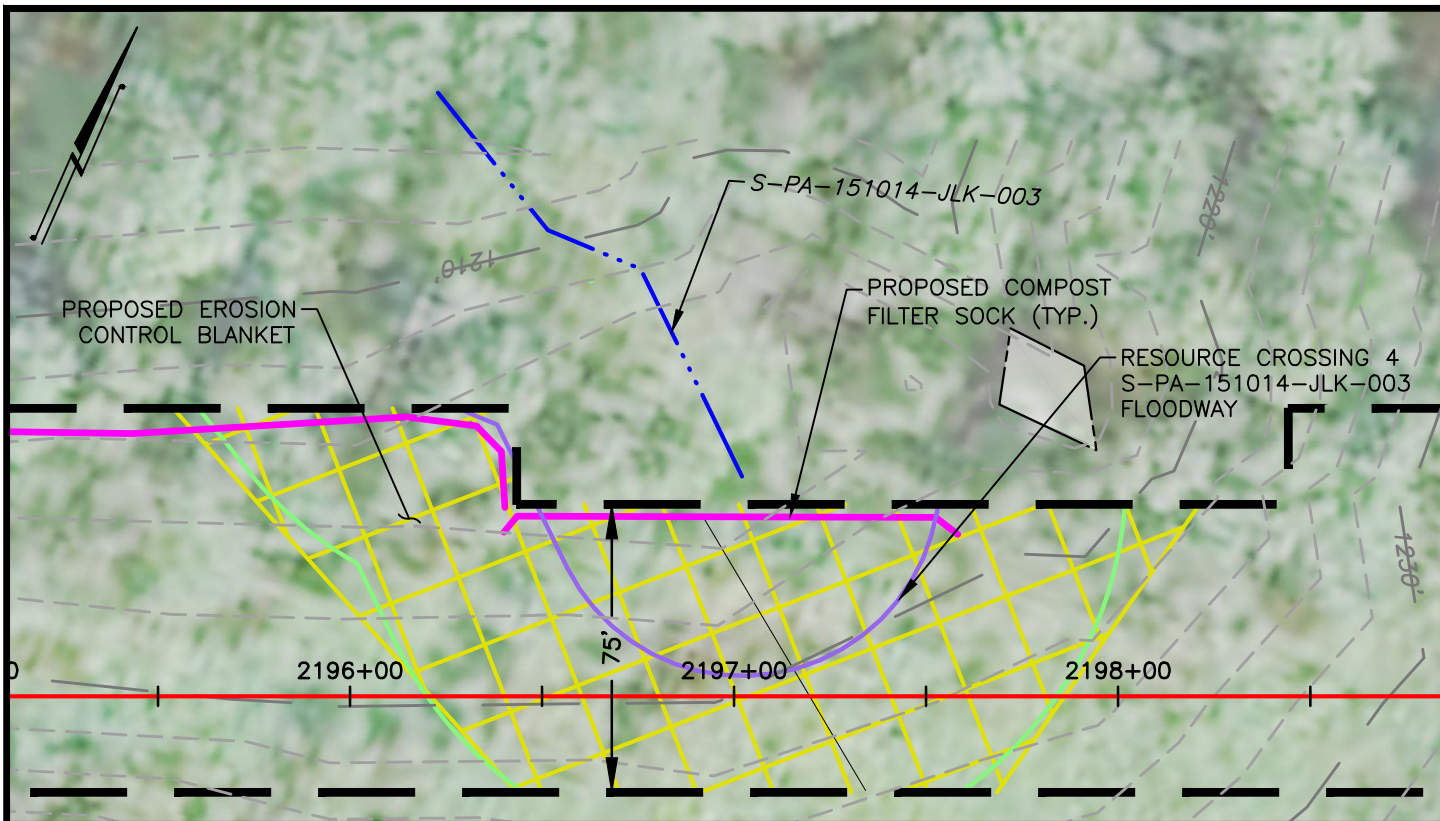
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS091 - RESOURCE CROSSING #3
GREENE TOWNSHIP
BEAVER COUNTY, PA

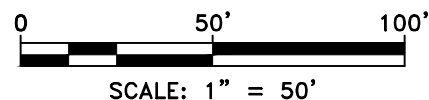
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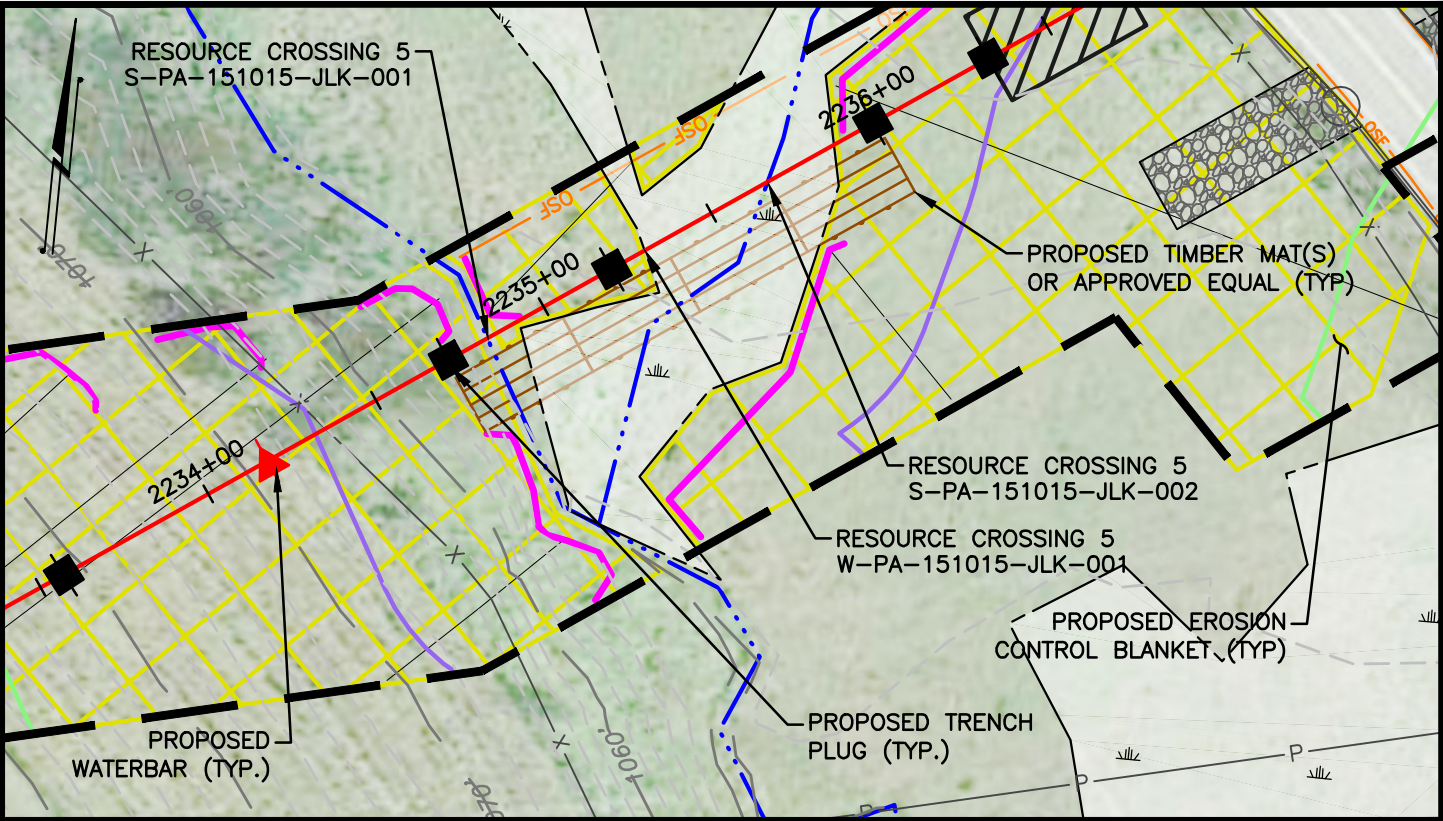
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS092 - RESOURCE CROSSING #4
GREENE TOWNSHIP
BEAVER COUNTY, PA

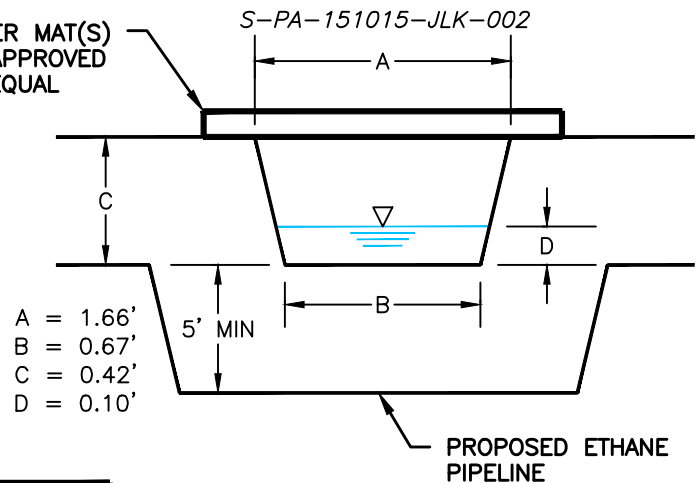
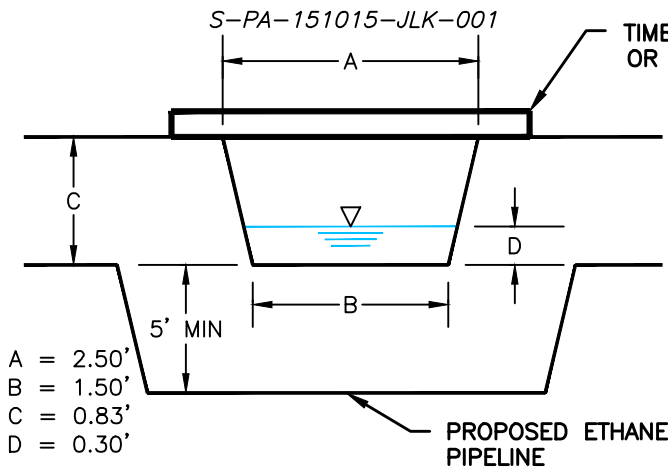
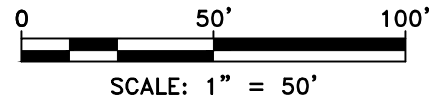
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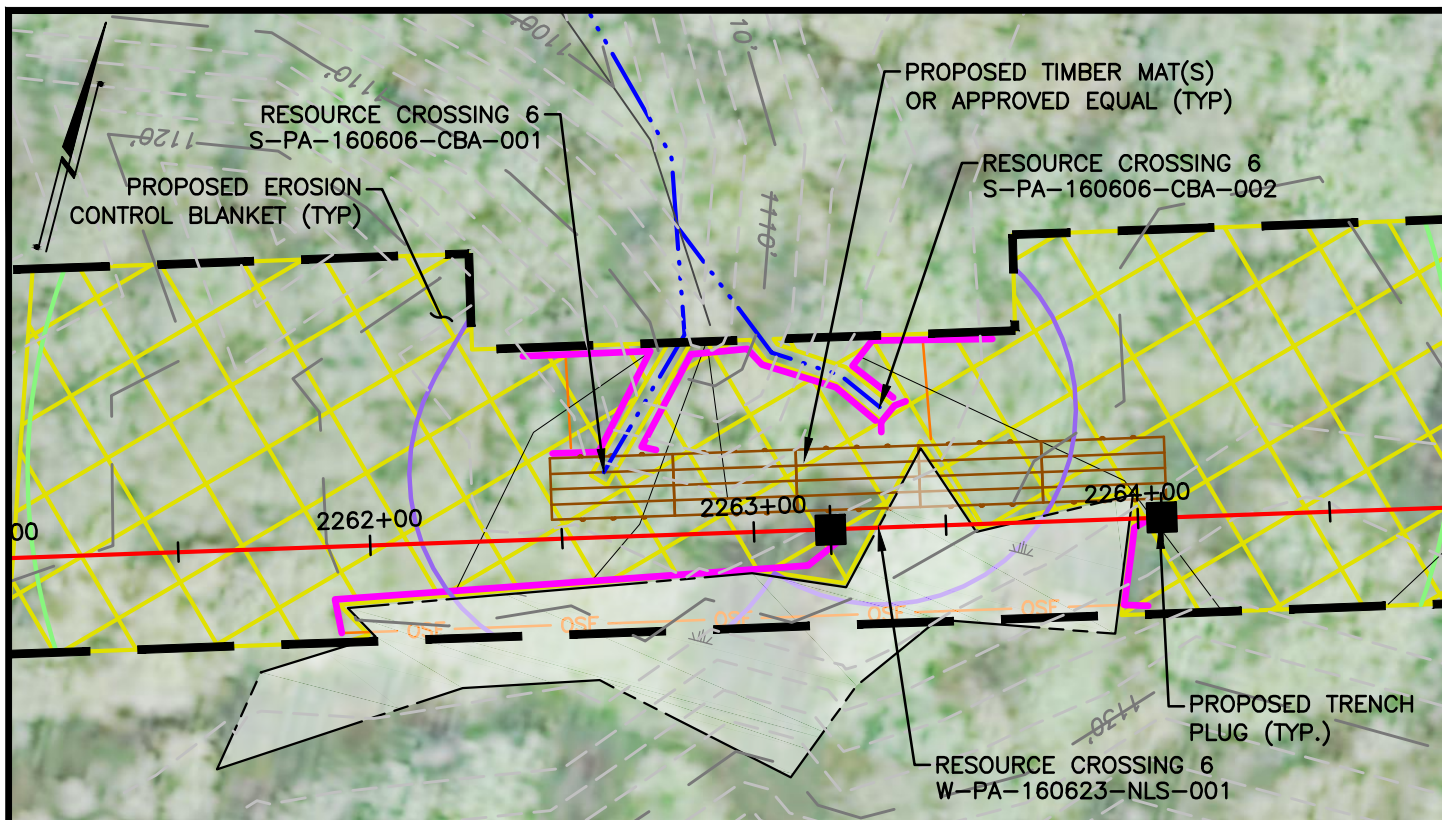
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FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION

SS093 - RESOURCE CROSSING #5
GREENE TOWNSHIP
BEAVER COUNTY, PA

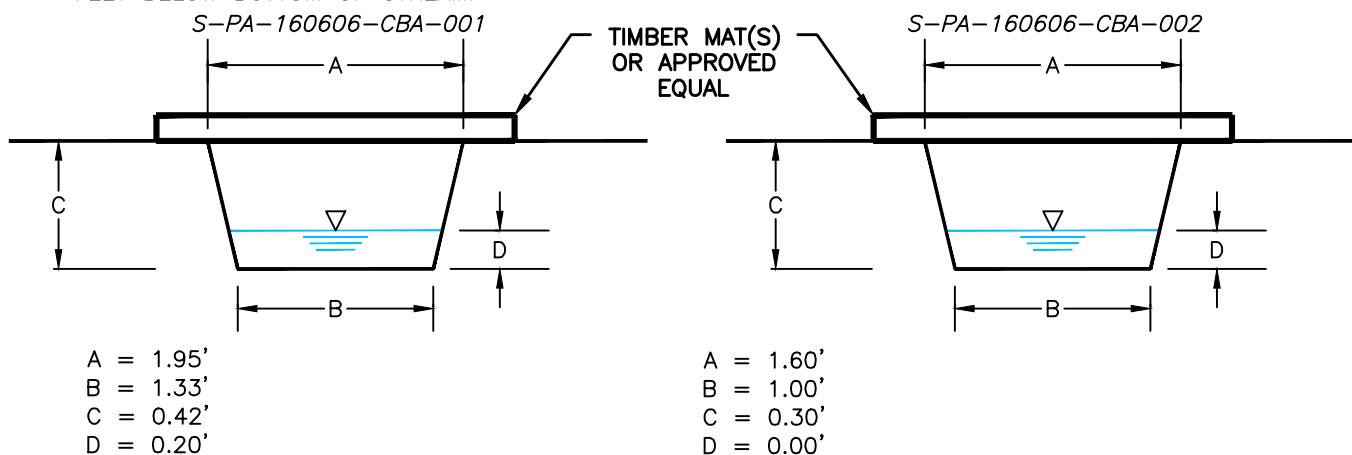
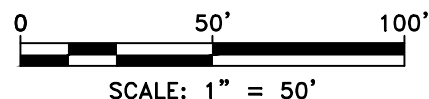
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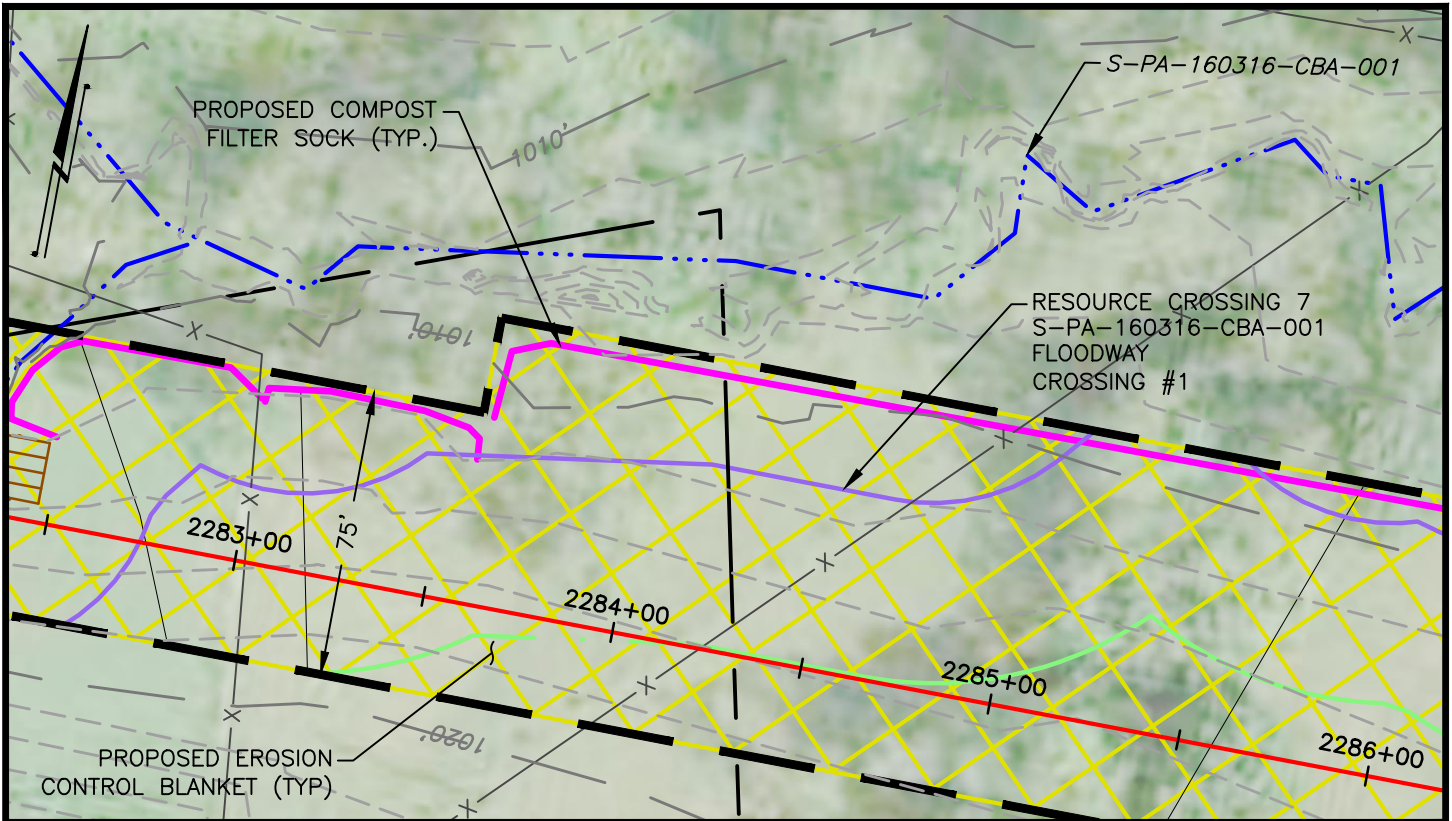


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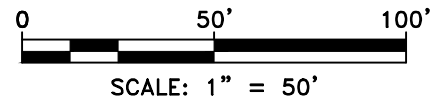
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GREENE TOWNSHIP		
BEAVER COUNTY, PA		
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BY:	IMM	SPLC-GOM-AE-SA124558

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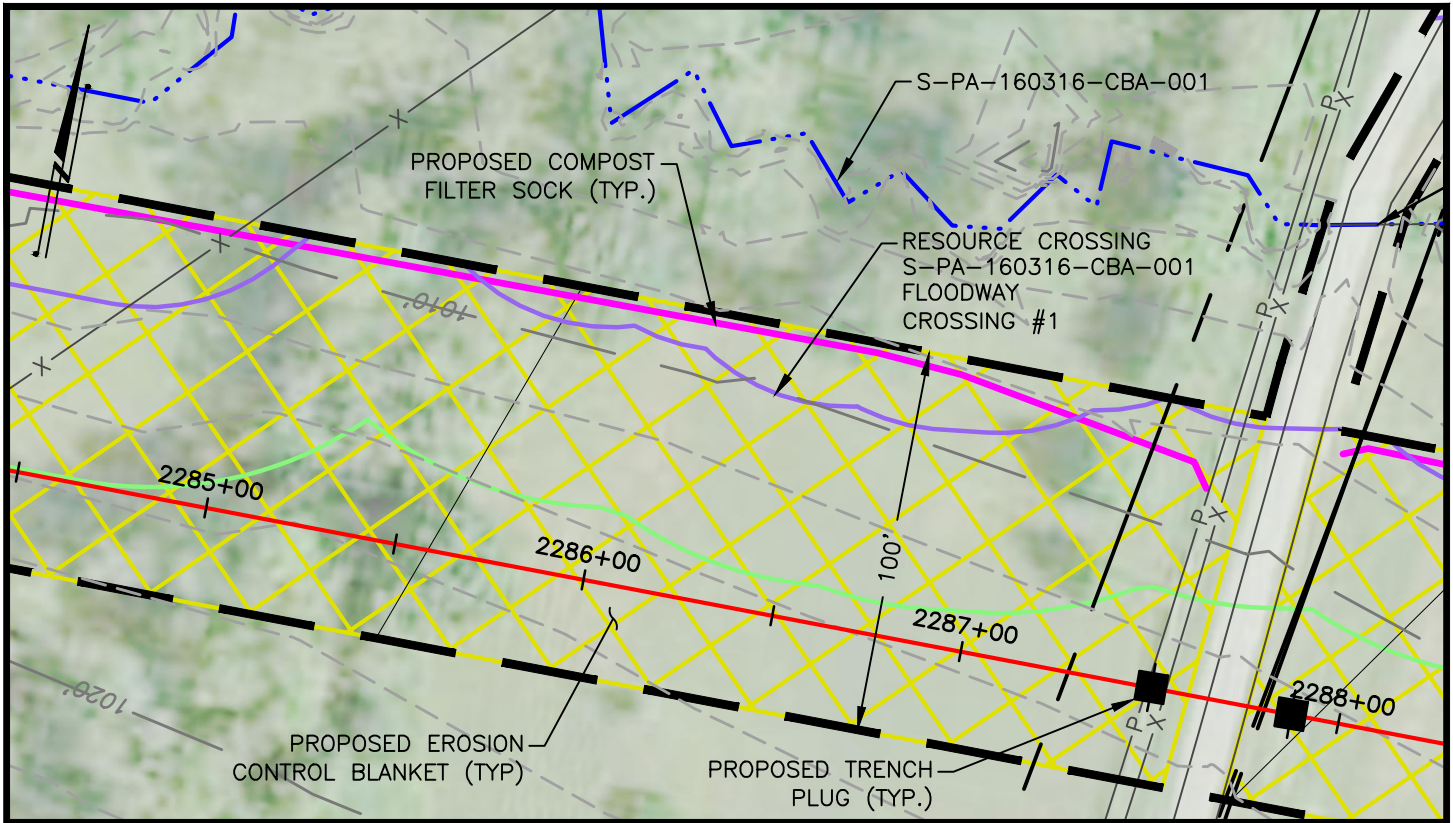
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS095 - RESOURCE CROSSING #7B
GREENE TOWNSHIP
BEAVER COUNTY, PA

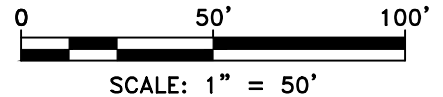
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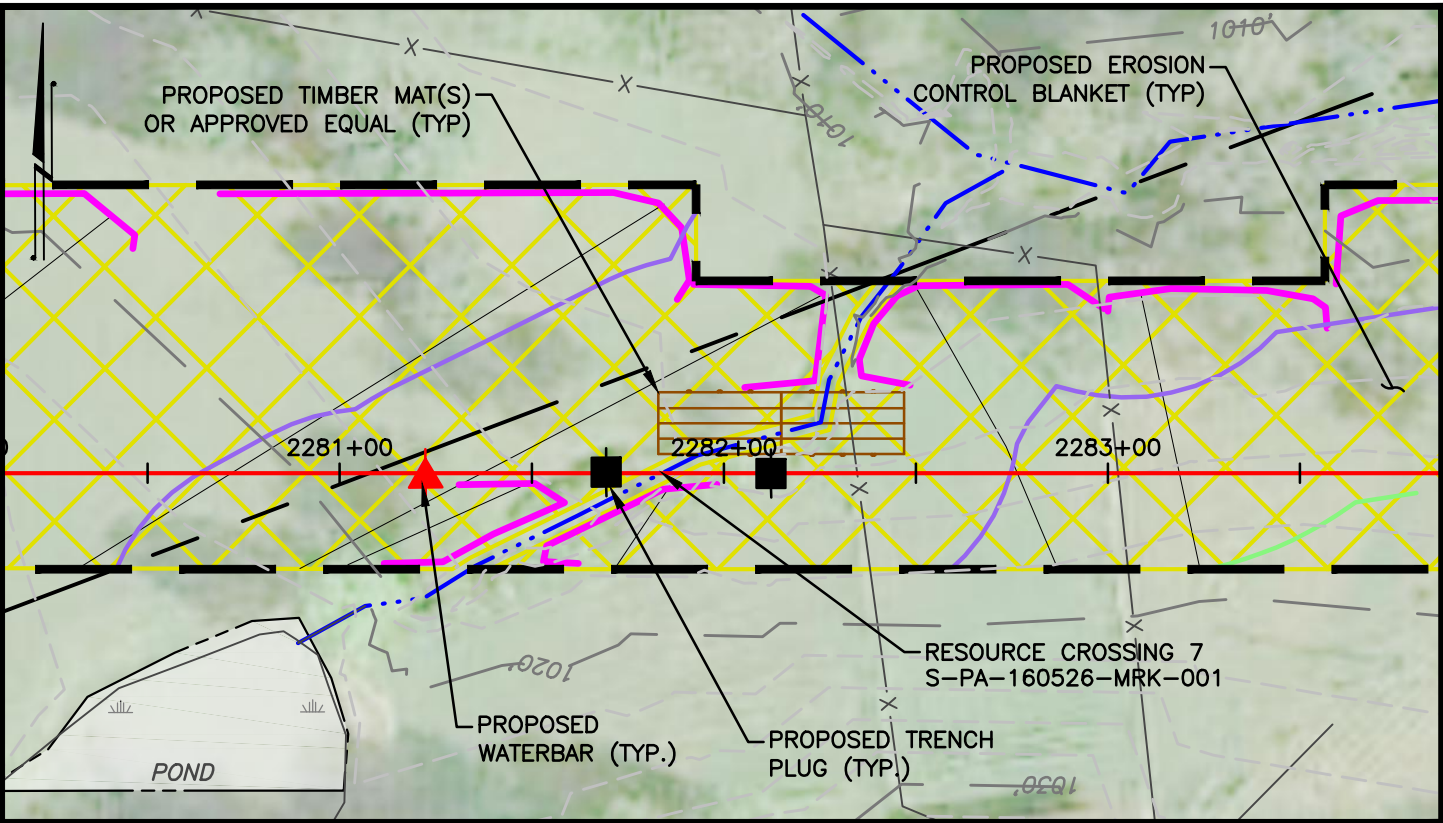
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**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS096 - RESOURCE CROSSING #7C
GREENE TOWNSHIP
BEAVER COUNTY, PA**

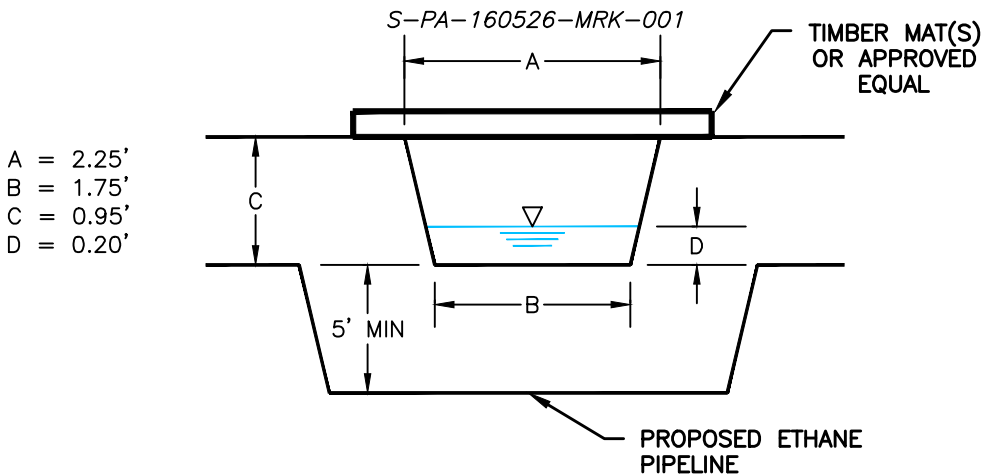
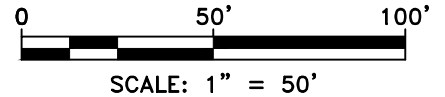
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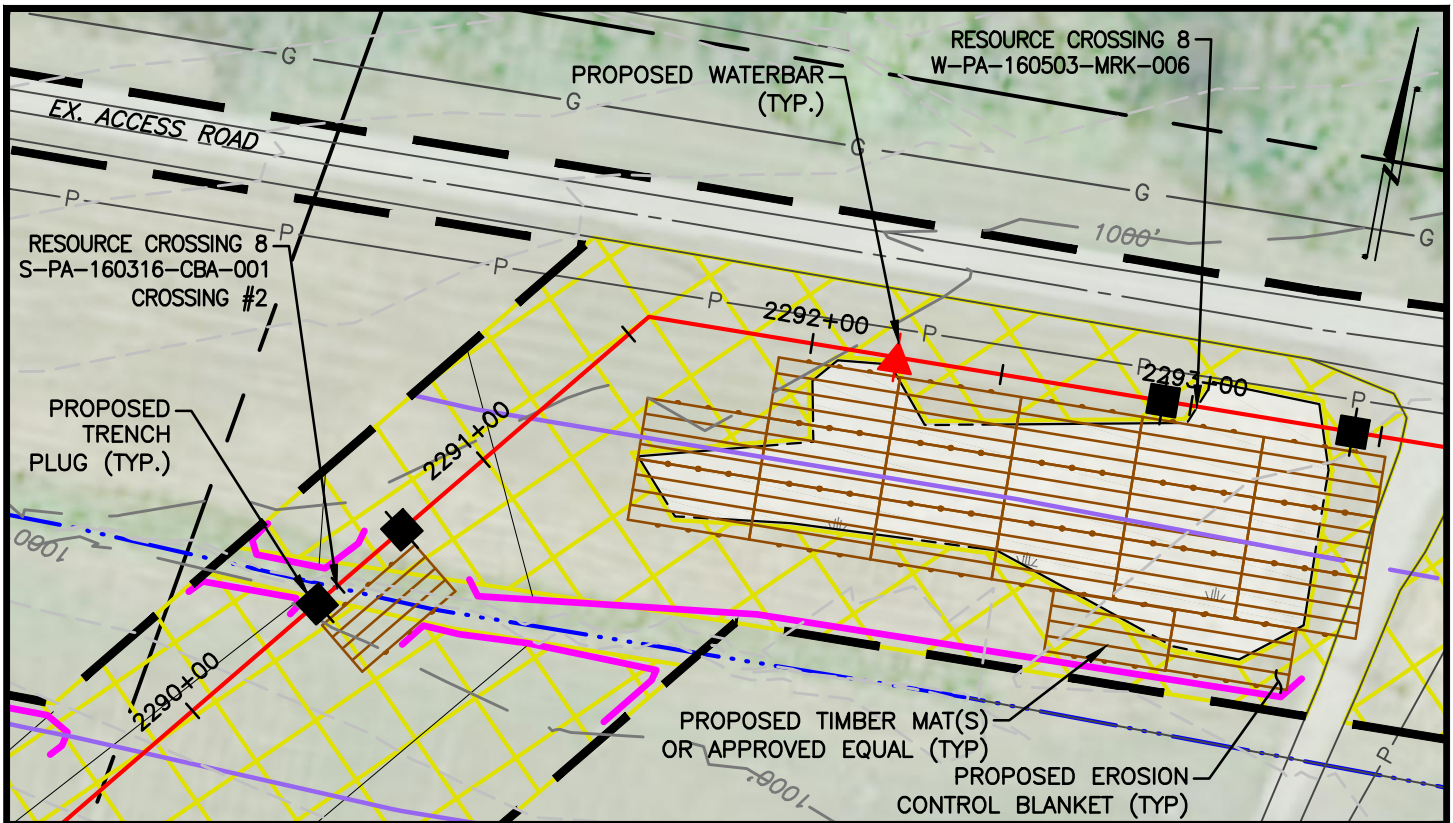


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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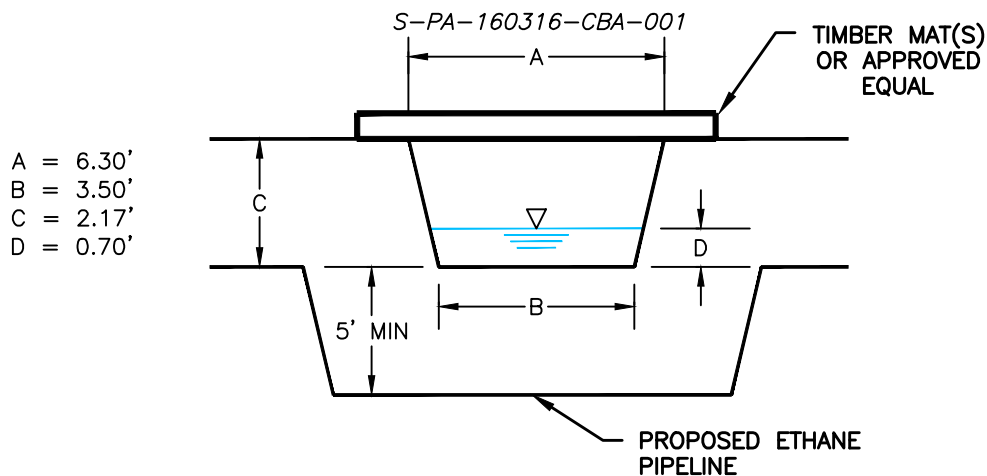
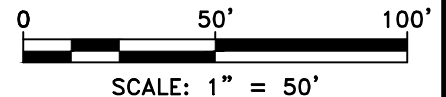
FALCON ETHANE PIPELINE SYSTEM			SCIO TO JUNCTION	
SS097 - RESOURCE CROSSING #7A			PA	
GREENE TOWNSHIP			BEAVER COUNTY,	
DATE:	09/14/17	SPLC-GOM-AE-SA124561		REV. 2
BY:	IMM			

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\166-1-S01_W01.DWG
 Last saved by: TASHINA.MCKINNEY (7/27/2018 3:52 PM) Last Plotted: 2018-07-31 (7/31/2018 3:01 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.

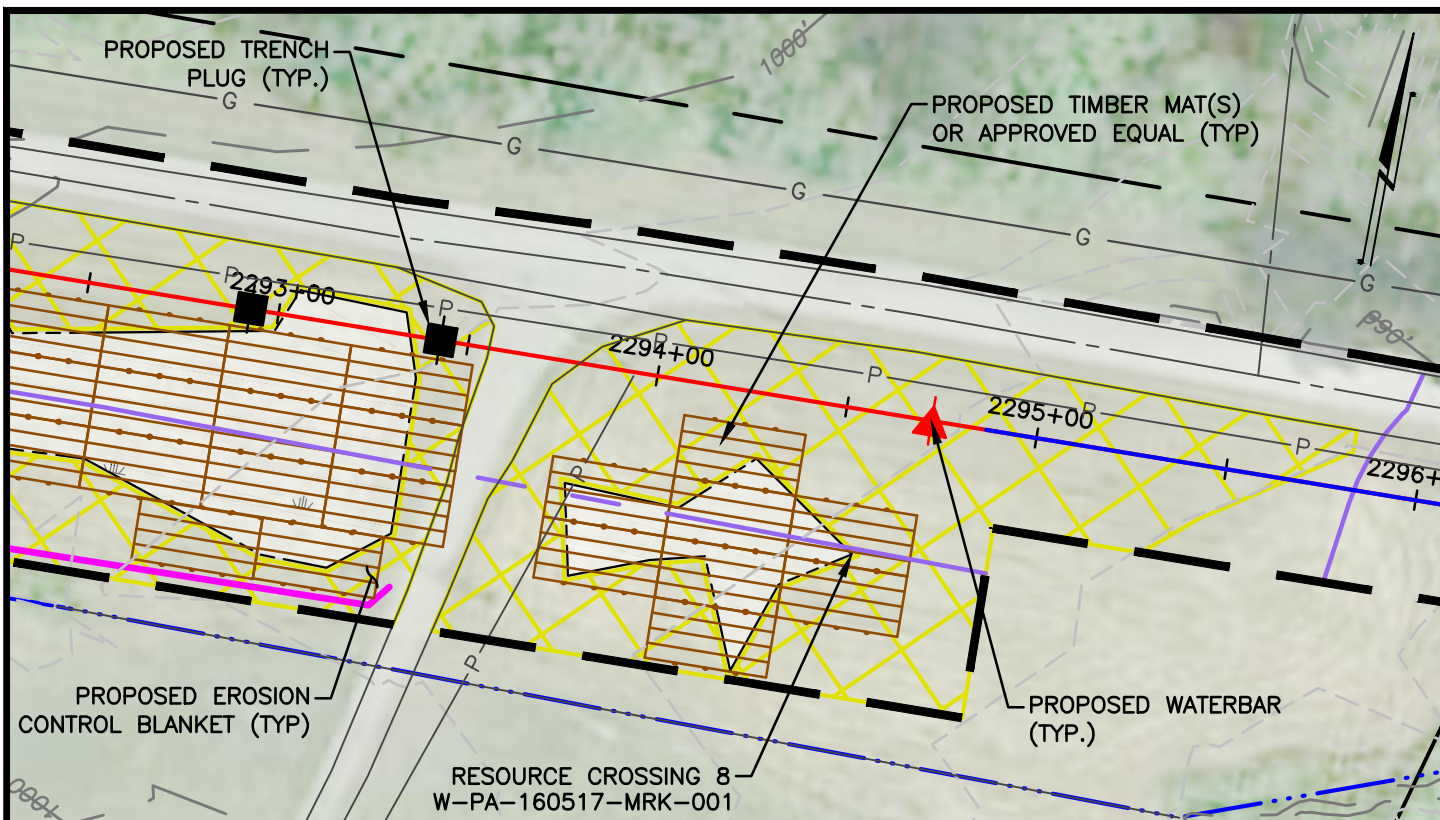


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS098 - RESOURCE CROSSING #8A		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124562

File name: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\166-2-W02.DWG
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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.
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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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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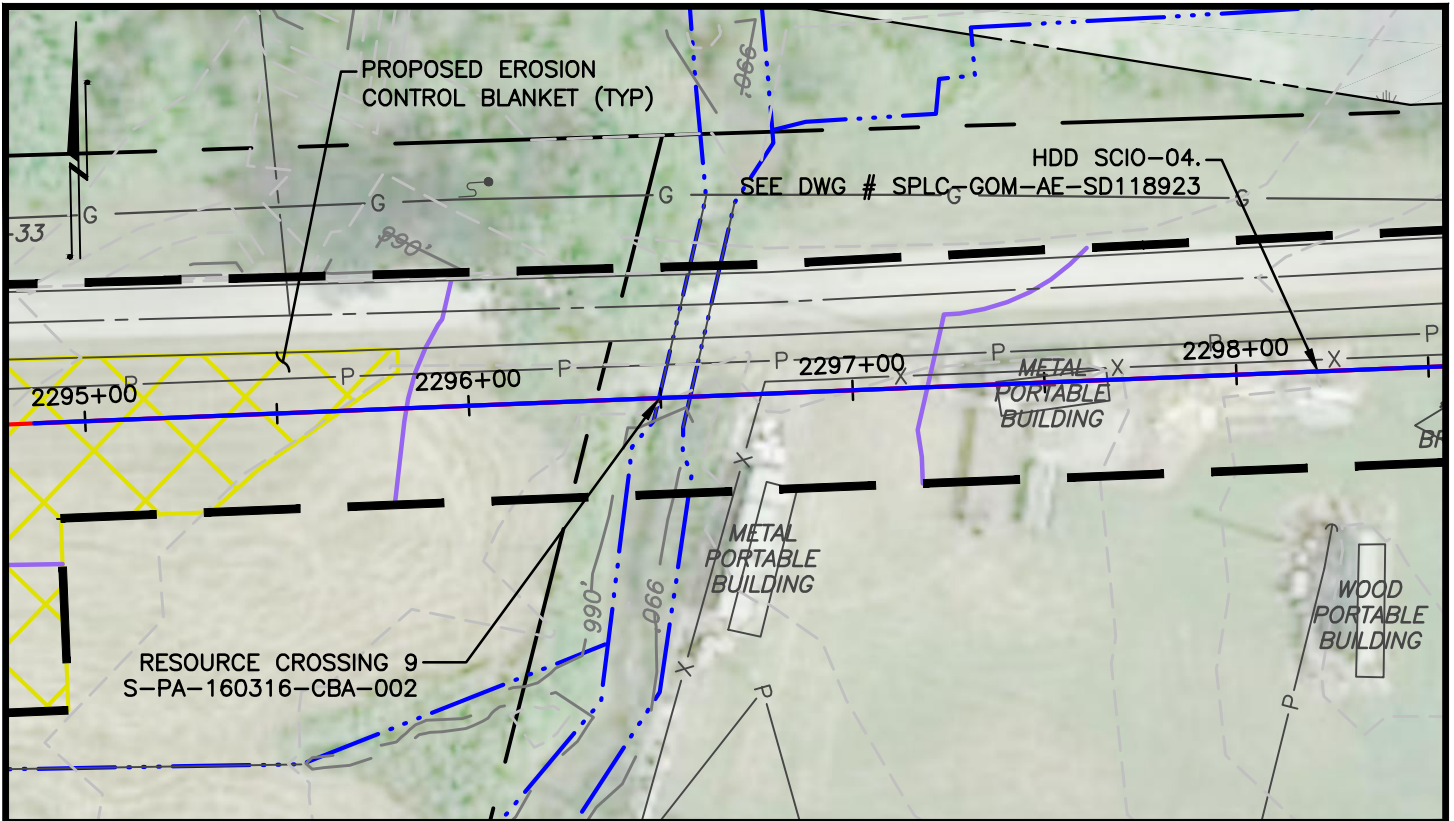
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS099 - RESOURCE CROSSING #8B
 GREENE TOWNSHIP
 BEAVER COUNTY, PA

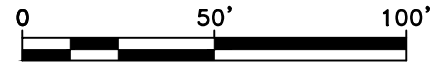
DATE:	09/14/17	SPLC-GOM-AE-SA124563	REV.
BY:	IMM		2

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\167-1-S01.DWG
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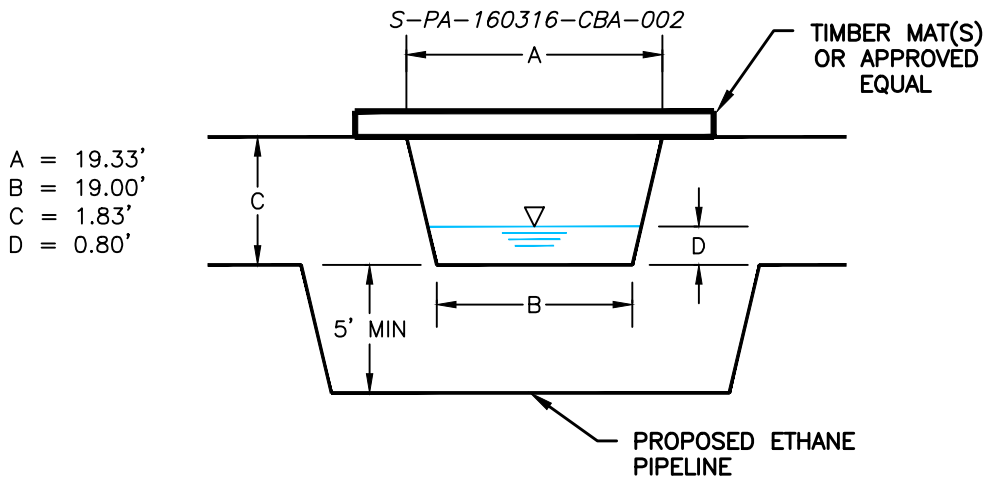


NOTES:

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'

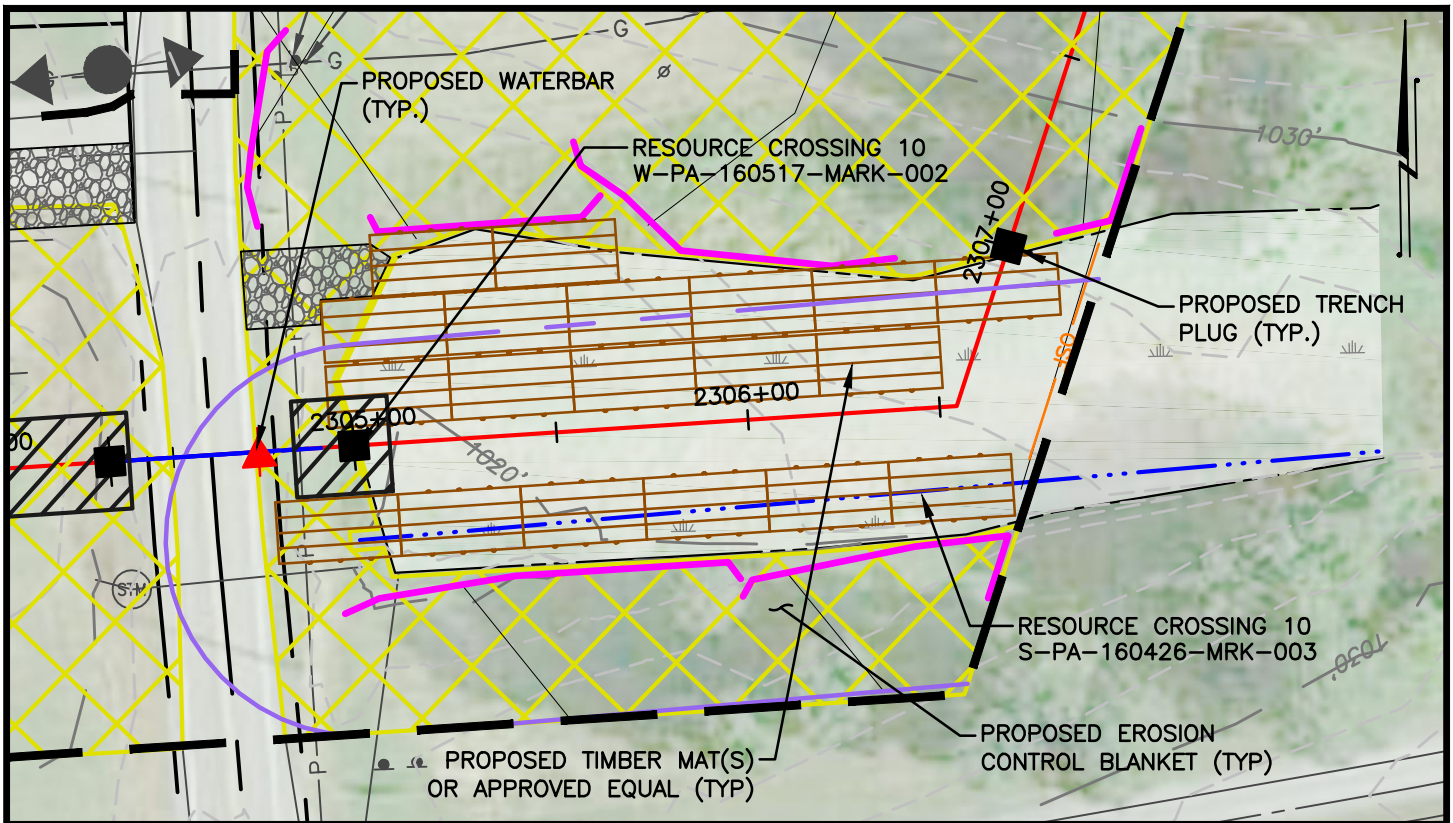


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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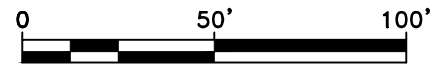
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS100 - RESOURCE CROSSING #9		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	SPLC-GOM-AE-SA124564
BY:	IMM	
		REV. 2

File: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\167-2-W01_S02.DWG
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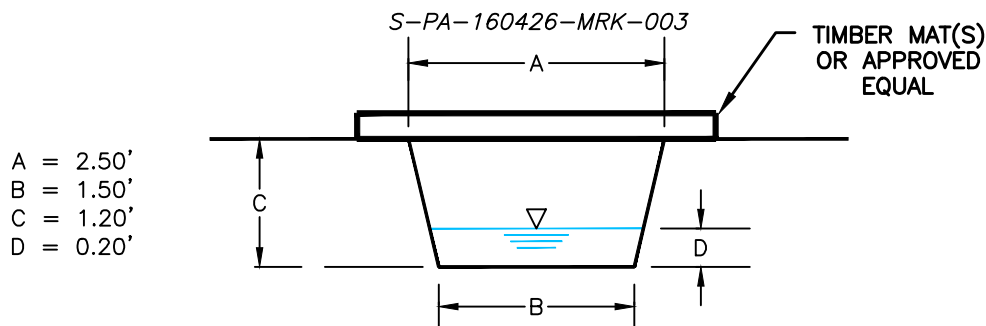


NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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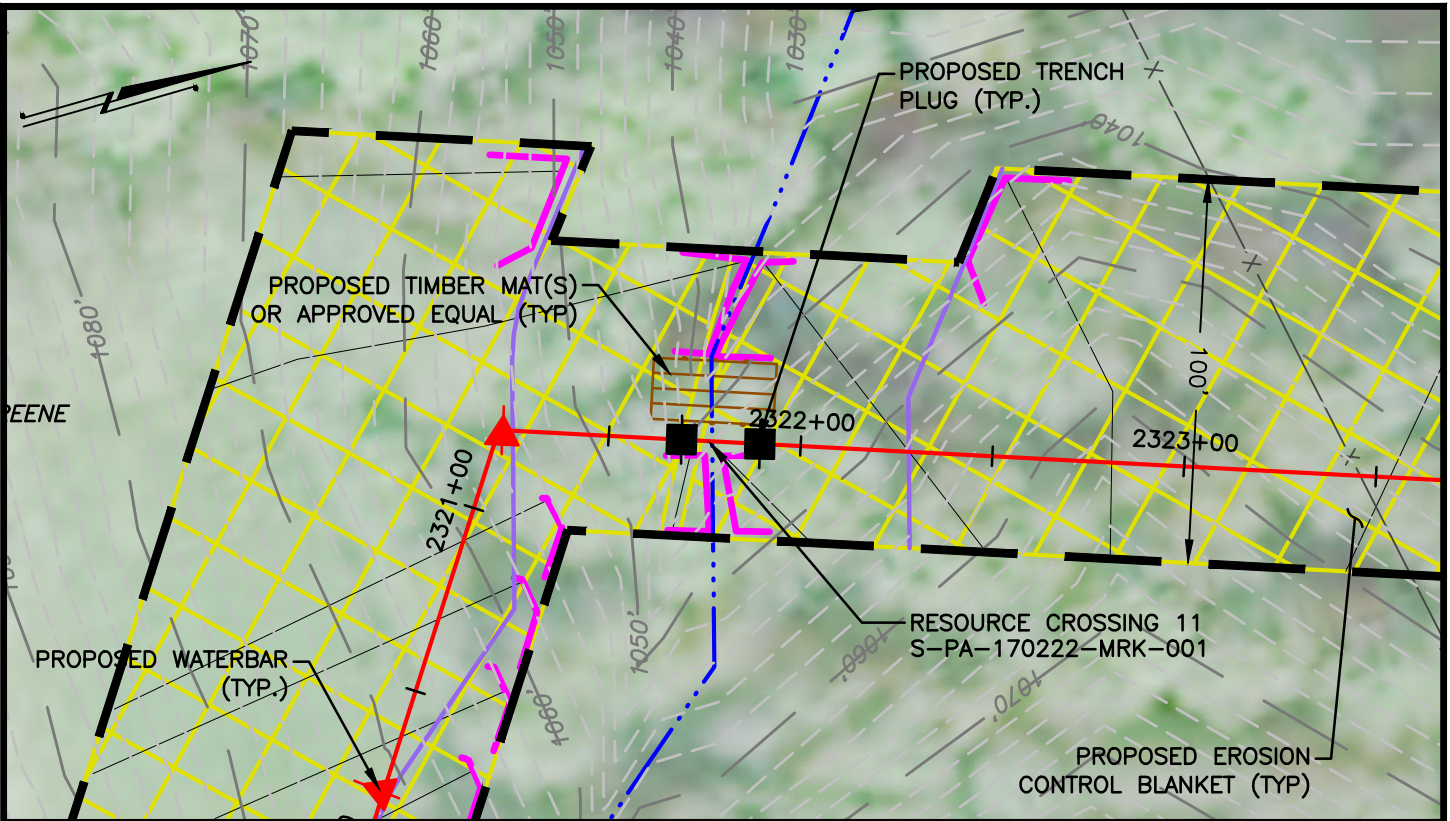
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS101 - RESOURCE CROSSING #10
GREENE TOWNSHIP
BEAVER COUNTY, PA

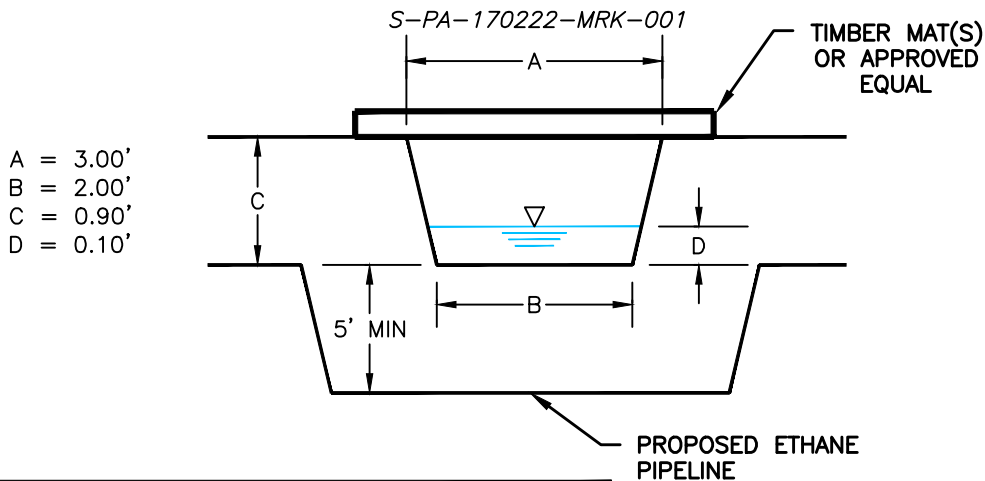
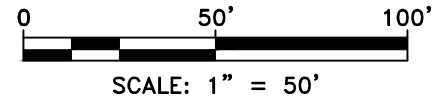
DATE:	09/14/17	SPLC-GOM-AE-SA124565	REV.
BY:	IMM		2

File name: Y:\PROJECTS\1747\SHELL\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\169-1-S01.DWG
Last saved by: TASHINA.MCKINNEY (7/27/2018 4:10 PM) Last Plotted: 2018-07-31 (7/31/2018 3:04 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.
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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.

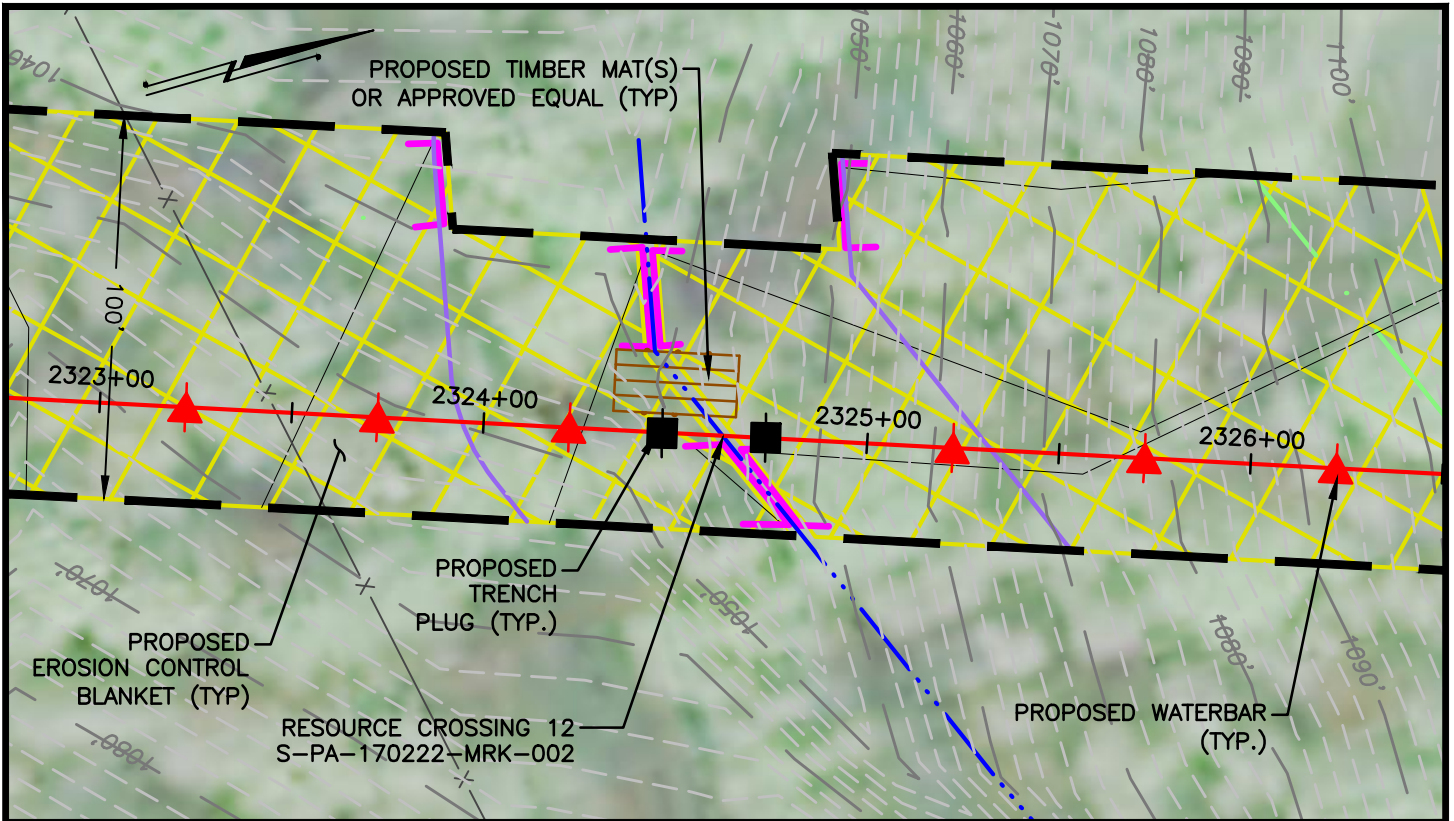


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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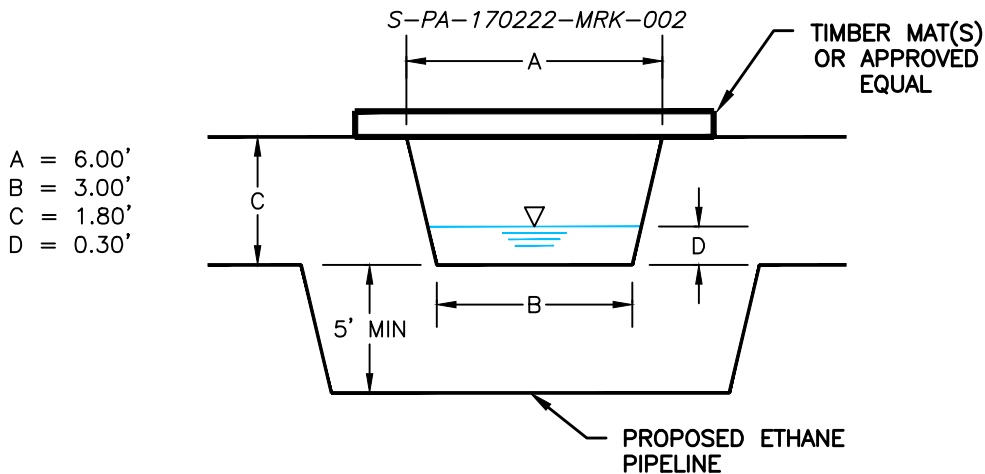
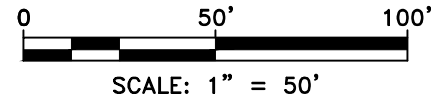
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS102 - RESOURCE CROSSING #11		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124566

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\169-2-S02.DWG
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NOTES:

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.

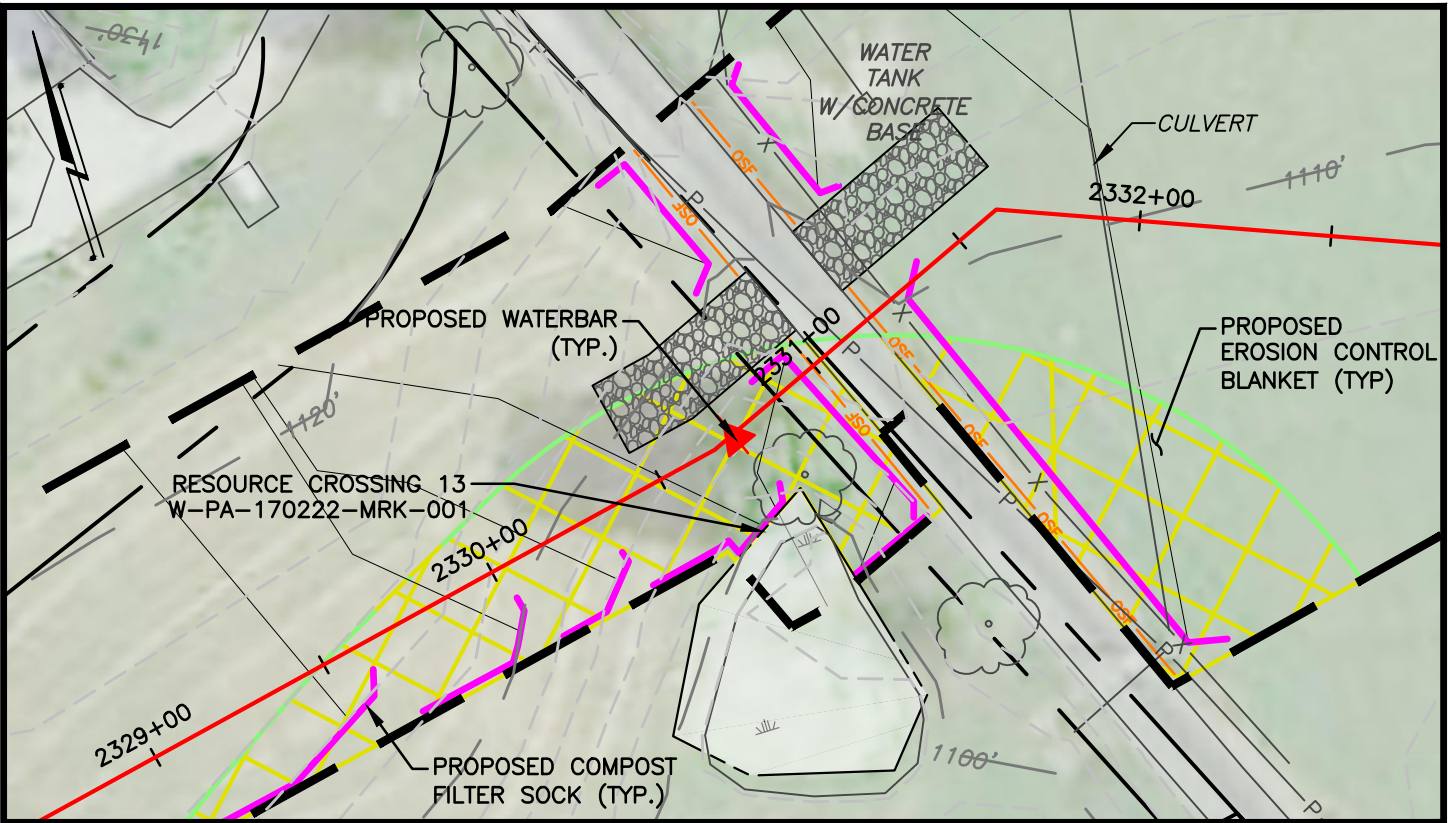


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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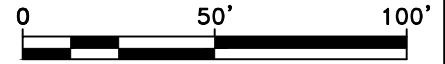
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SCIO TO JUNCTION		
SS103 - RESOURCE CROSSING #12		
GREENE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	SPLC-GOM-AE-SA124567
BY:	IMM	
		REV. 2

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Last saved by: TASHINA.MCKINNEY (7/27/2018 4:17 PM) Last Plotted: 2018-07-31 (7/31/2018 3:06 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.
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SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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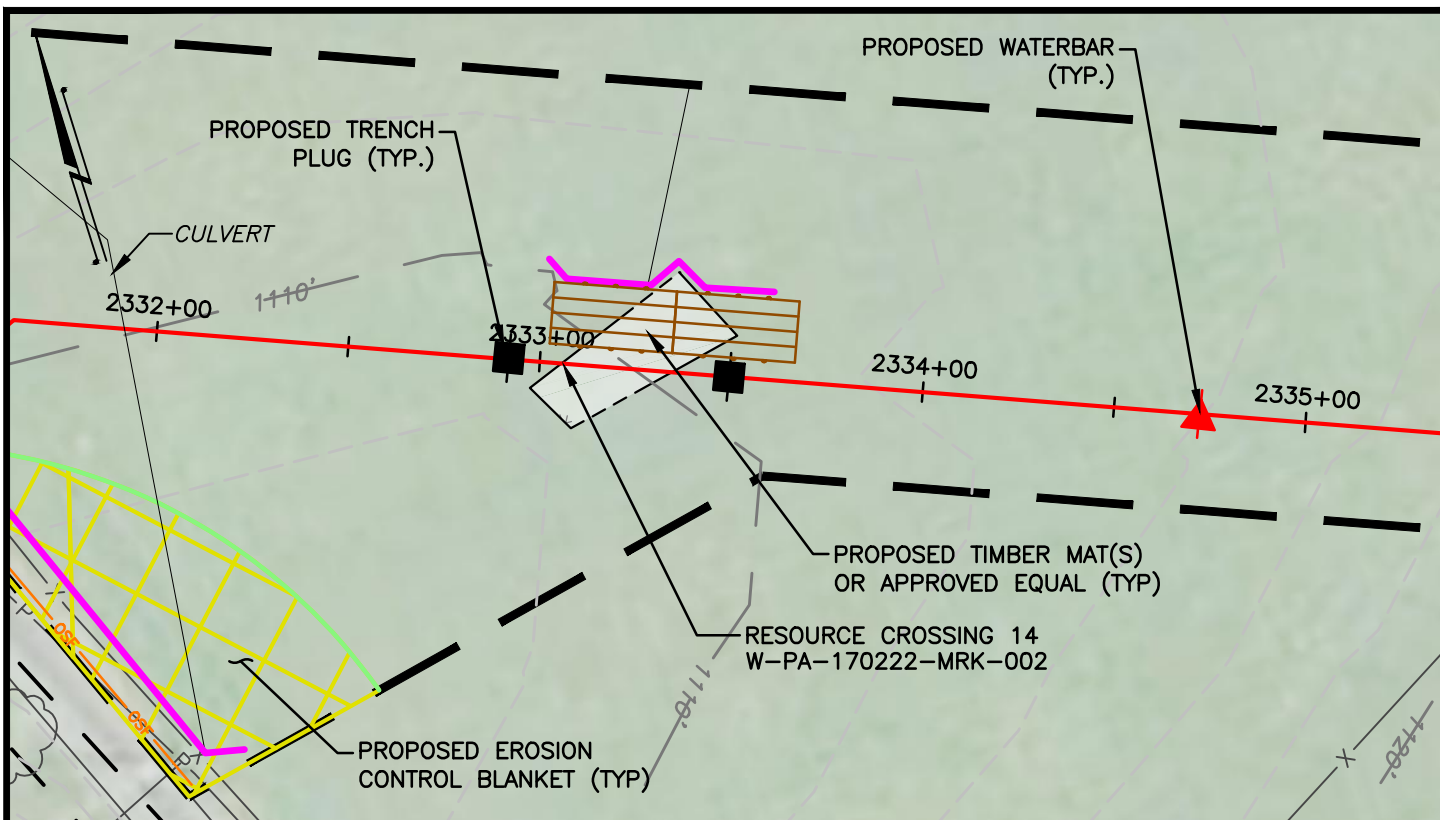
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS104 - RESOURCE CROSSING #13
GREENE TOWNSHIP
BEAVER COUNTY, PA

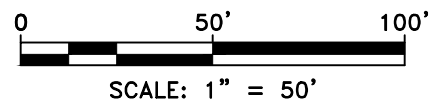
DATE:	09/14/17	SPLC-GOM-AE-SA124568	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\170-2-W02.DWG
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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.
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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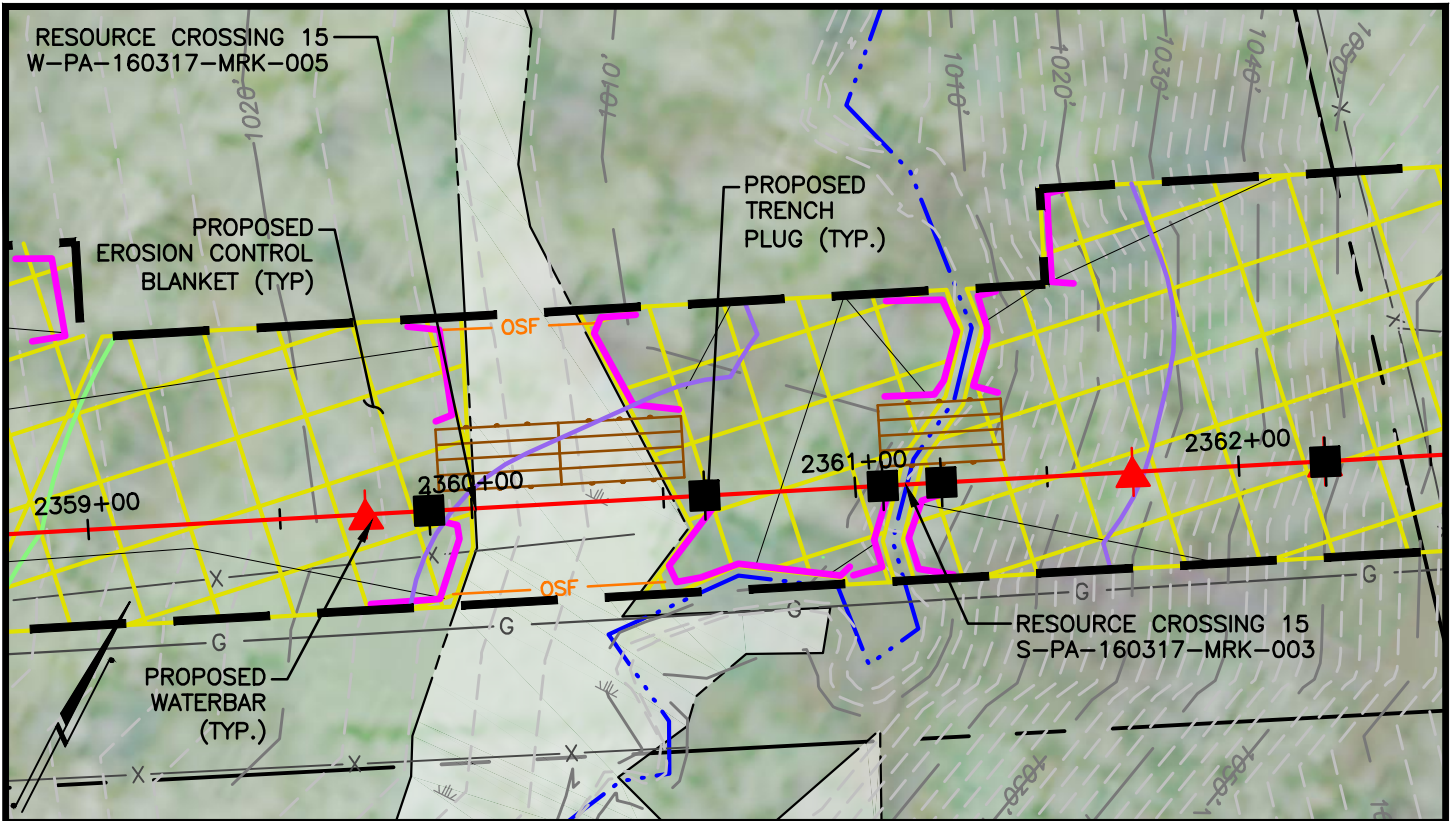
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS105 - RESOURCE CROSSING #14
GREENE TOWNSHIP
BEAVER COUNTY, PA

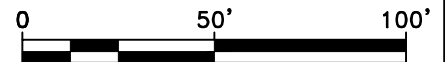
DATE:	09/14/17	SPLC-GOM-AE-SA124569	REV.
BY:	IMM		2

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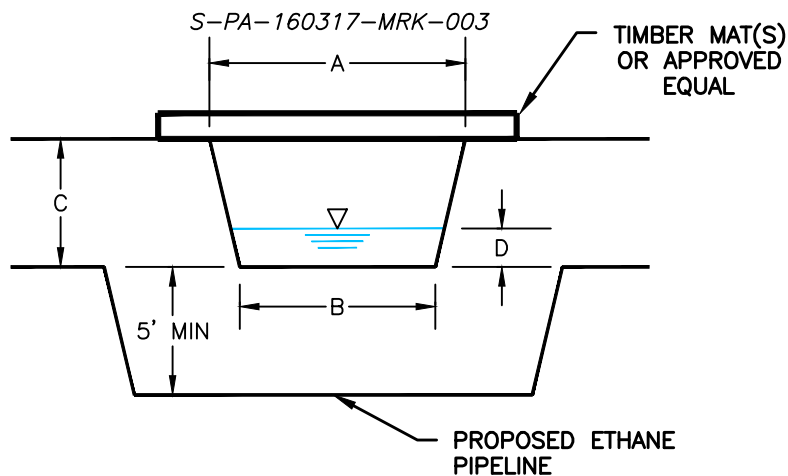
NOTES:

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



SCALE: 1" = 50'

A = 5.00'
B = 2.50'
C = 2.50'
D = 1.00'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

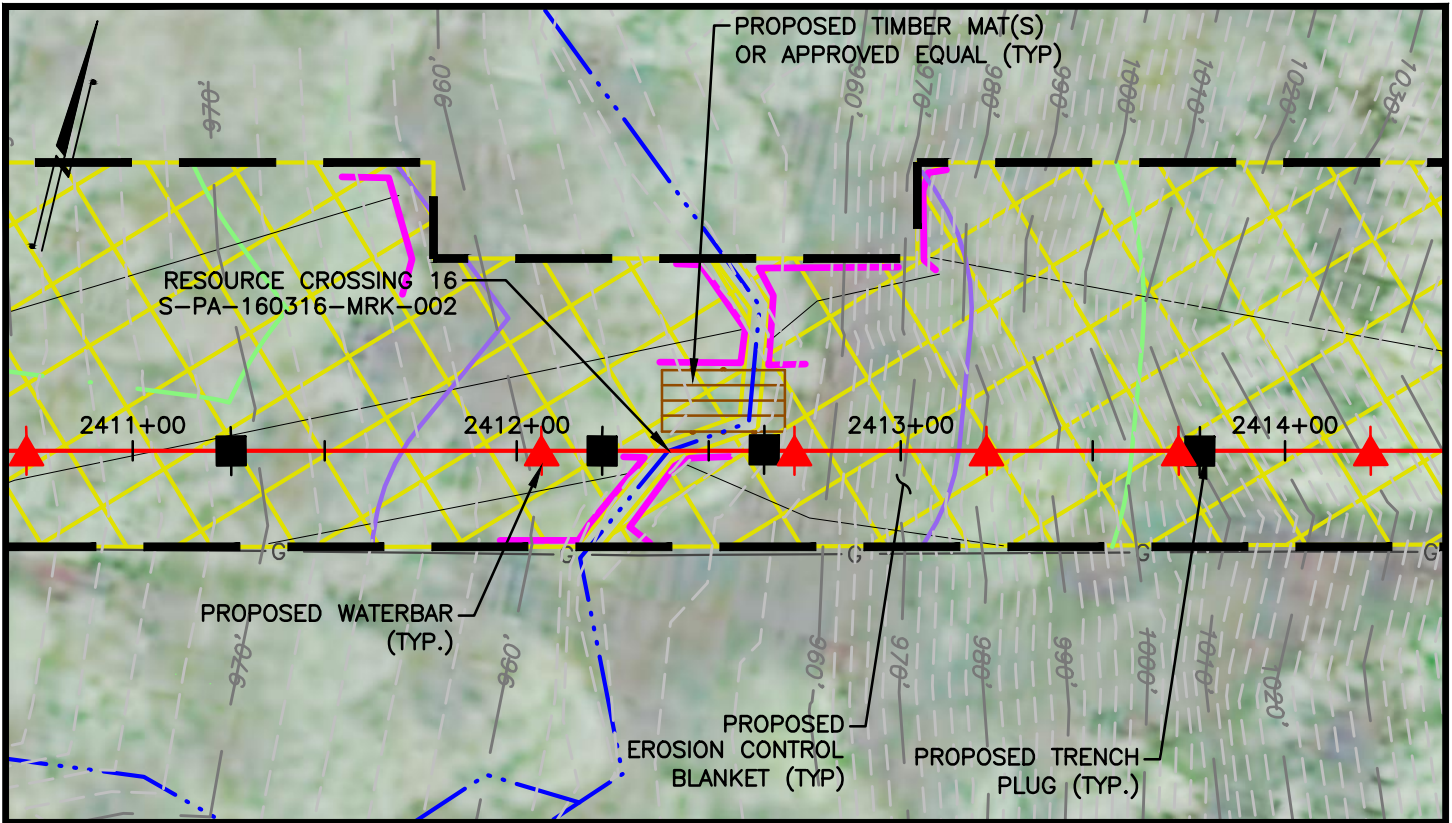
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS106 - RESOURCE CROSSING #15
GREENE TOWNSHIP
BEAVER COUNTY, PA**

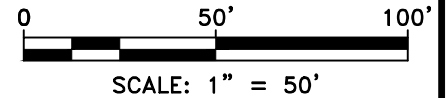
DATE:	09/14/17	SPLC-GOM-AE-SA124570	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\176-1-S01.DWG
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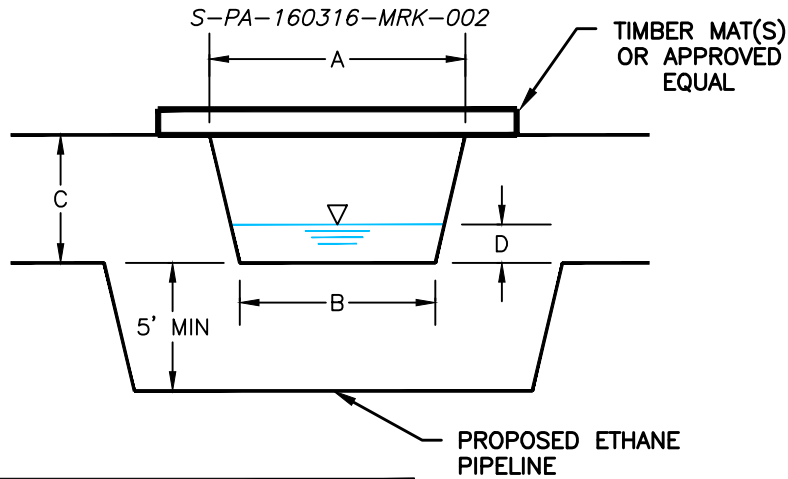


NOTES:

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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.



A = 9.50'
B = 4.00'
C = 2.50'
D = 0.50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

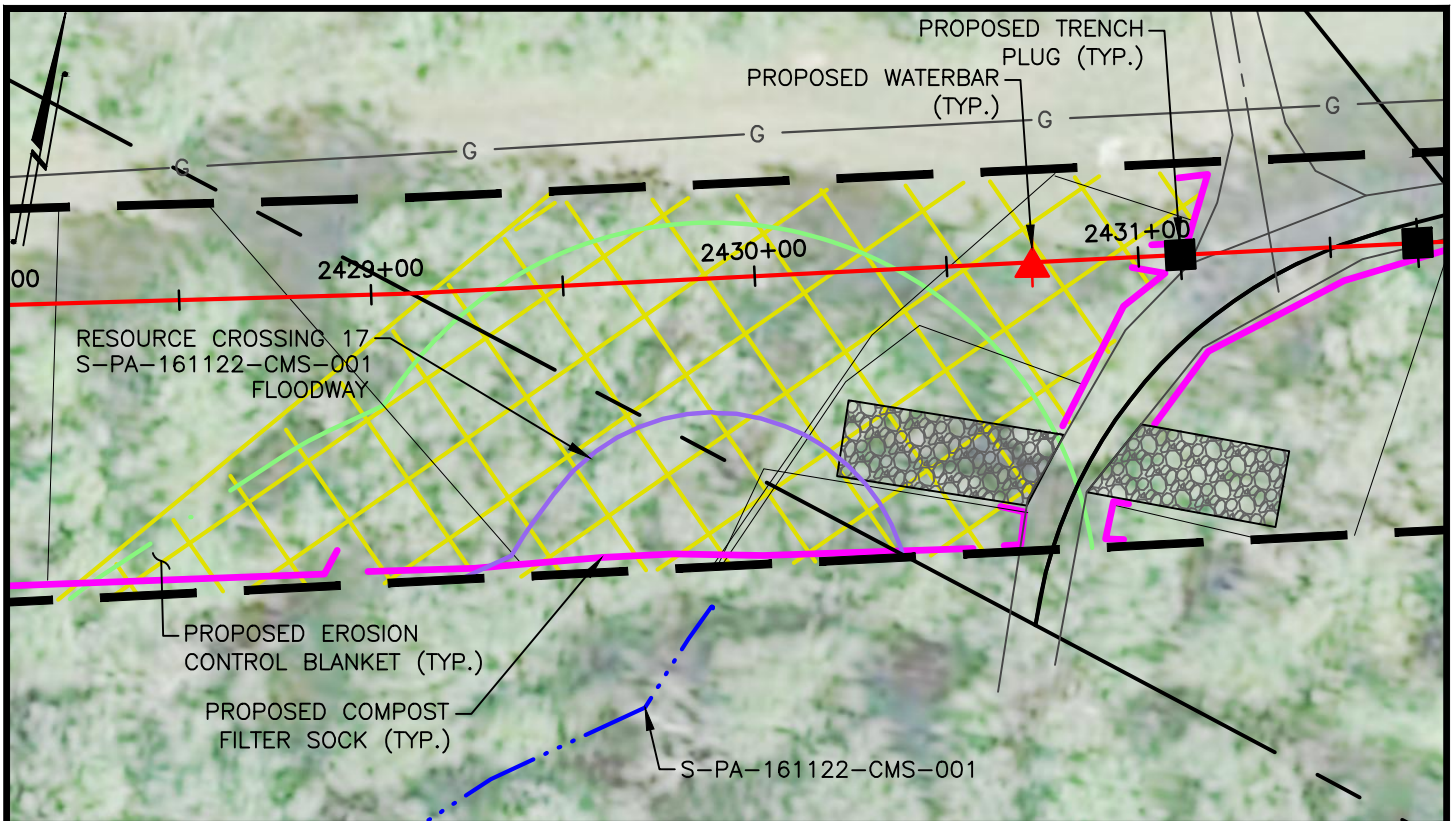
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS107 - RESOURCE CROSSING #16
GREENE TOWNSHIP
BEAVER COUNTY, PA**

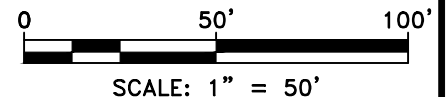
DATE:	09/14/17	SPLC-GOM-AE-SA124571	REV. 2
BY:	IMM		

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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.

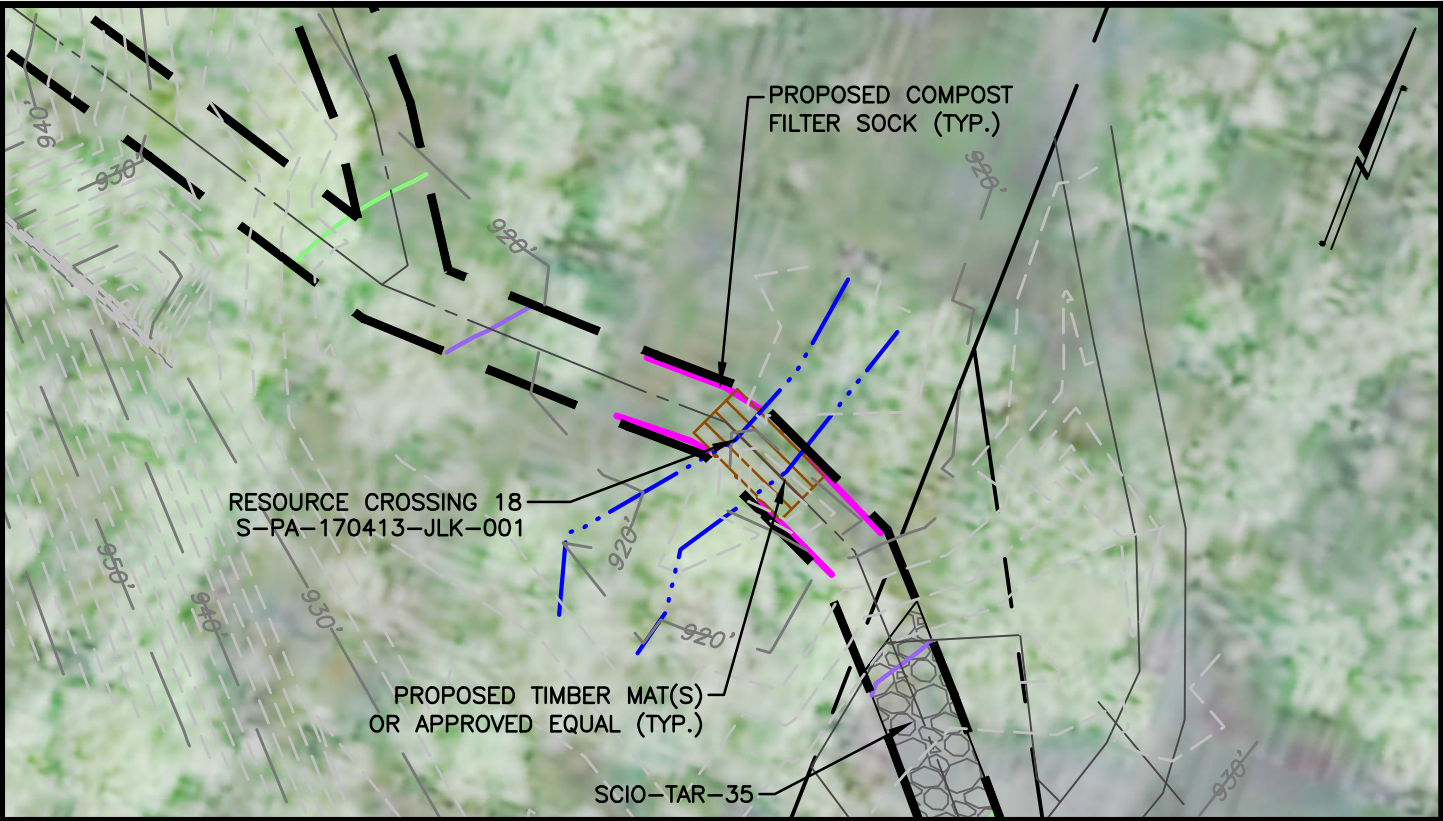


2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP

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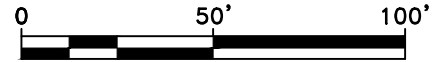
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS108 - RESOURCE CROSSING #17		
GREENE TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124572		

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Last saved by: TASHINA.MCKINNEY (7/27/2018 4:38 PM) Last Plotted: 2018-07-31 (7/31/2018 3:09 PM)

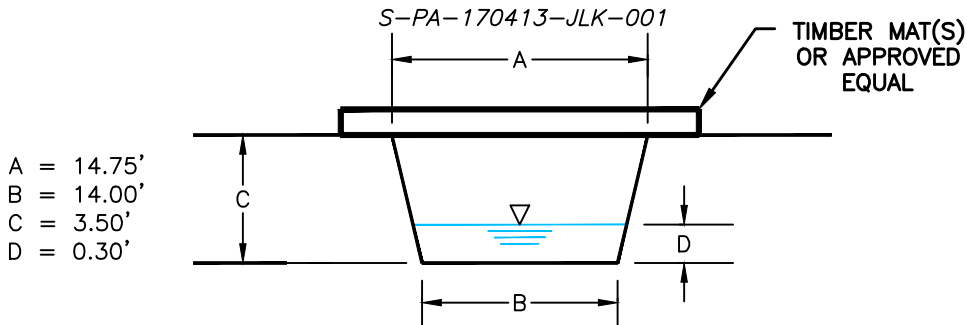


NOTES:

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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

SCIO TO JUNCTION

SS109 - RESOURCE CROSSING #18
GREENE TOWNSHIP
BEAVER COUNTY, PA

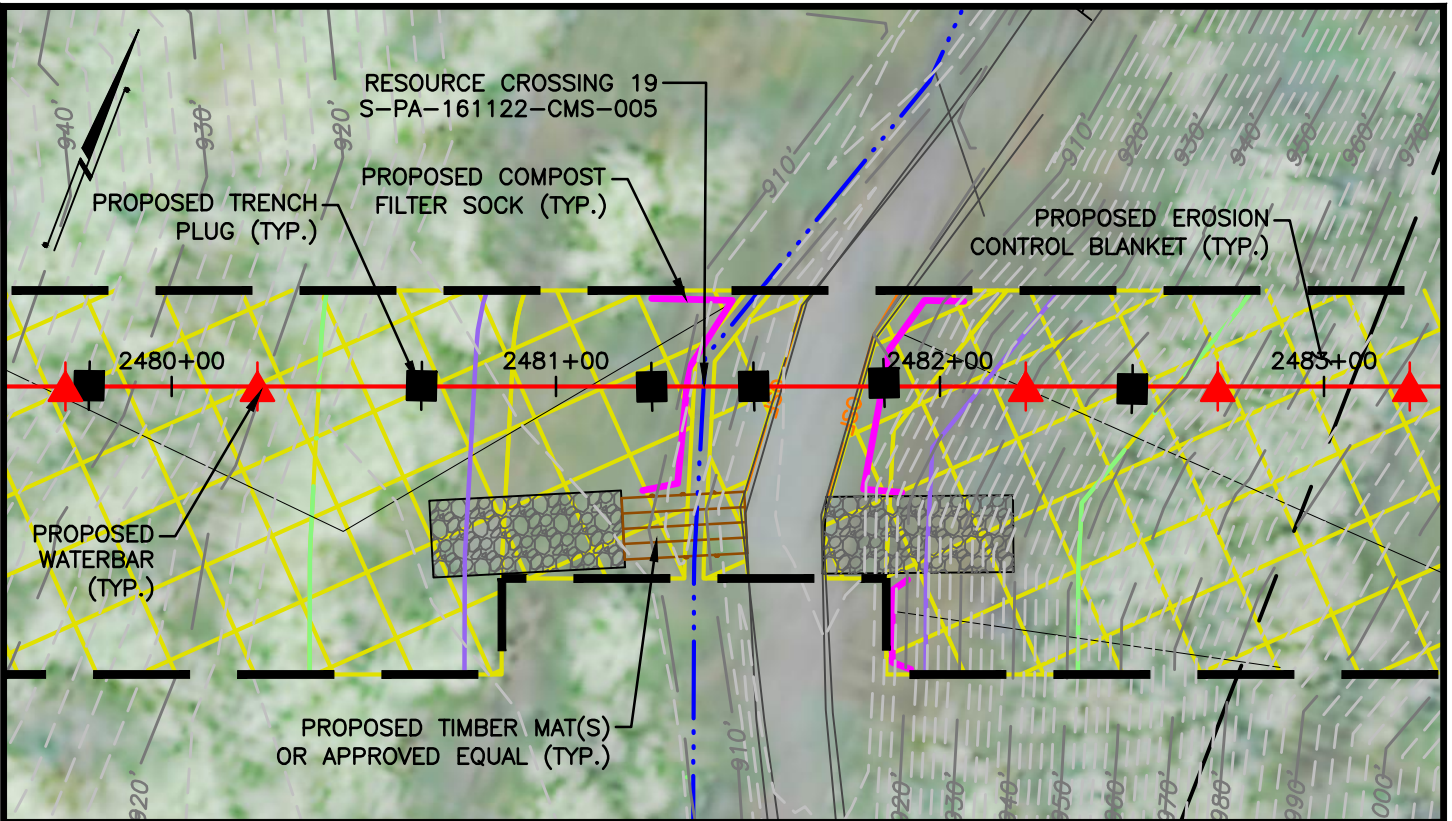
DATE: 09/14/17

BY: IMM

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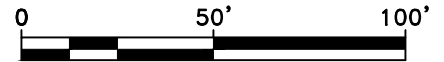
REV.
2

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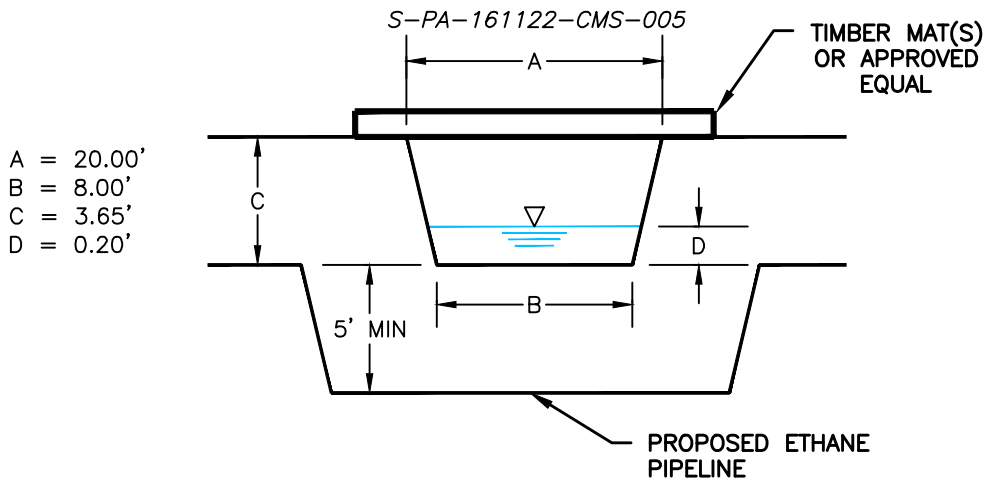


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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

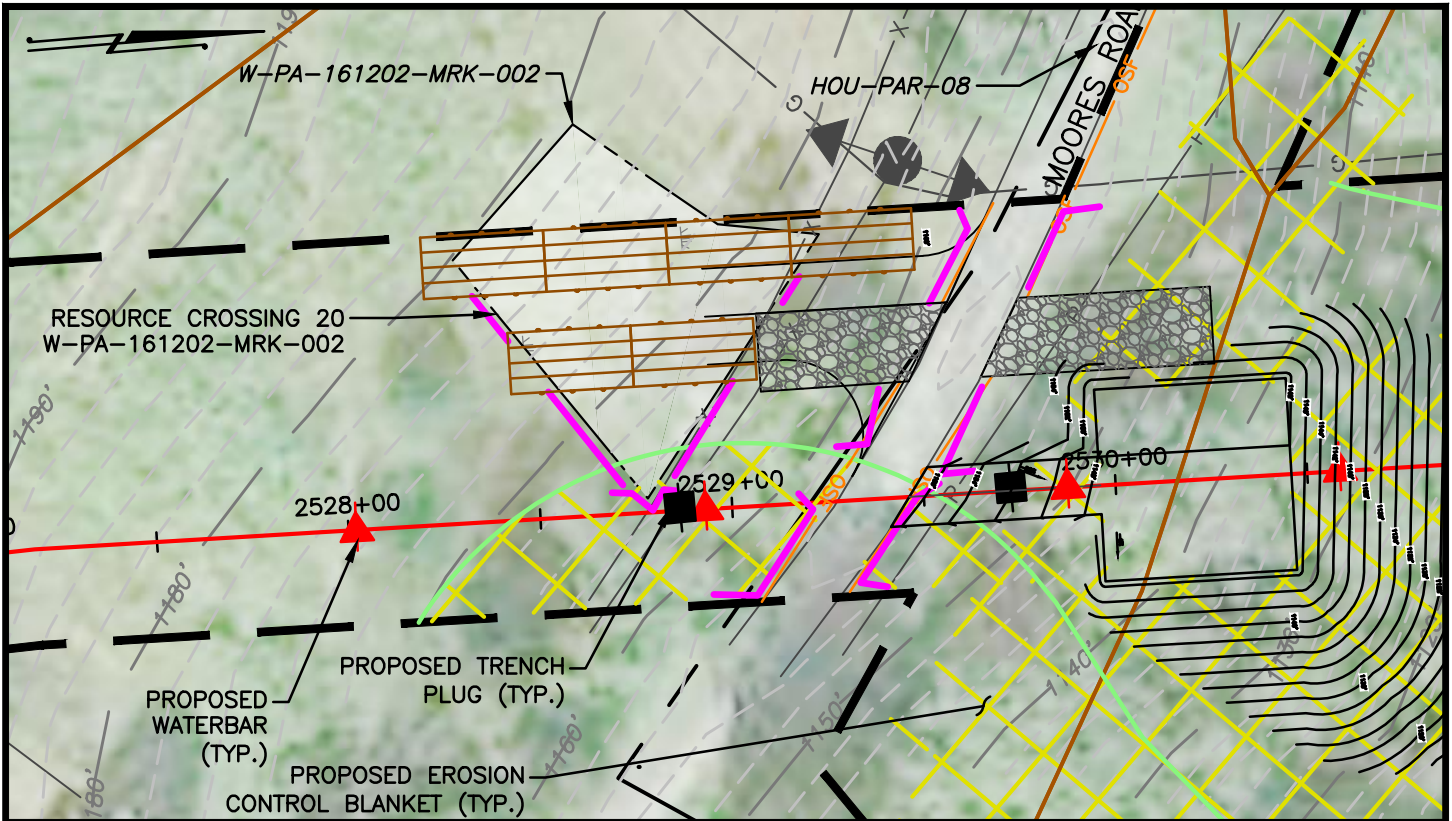
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION

SS110 - RESOURCE CROSSING #19
GREENE TOWNSHIP
BEAVER COUNTY, PA

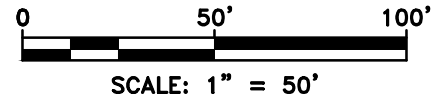
DATE:	09/14/17	SPLC-GOM-AE-SA124574	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\186-1-W01.DWG
Last saved by: TASHINA MCKINNEY (7/31/2018 11:14 AM) Last Plotted: 2018-07-31 (7/31/2018 1:38 PM)



NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

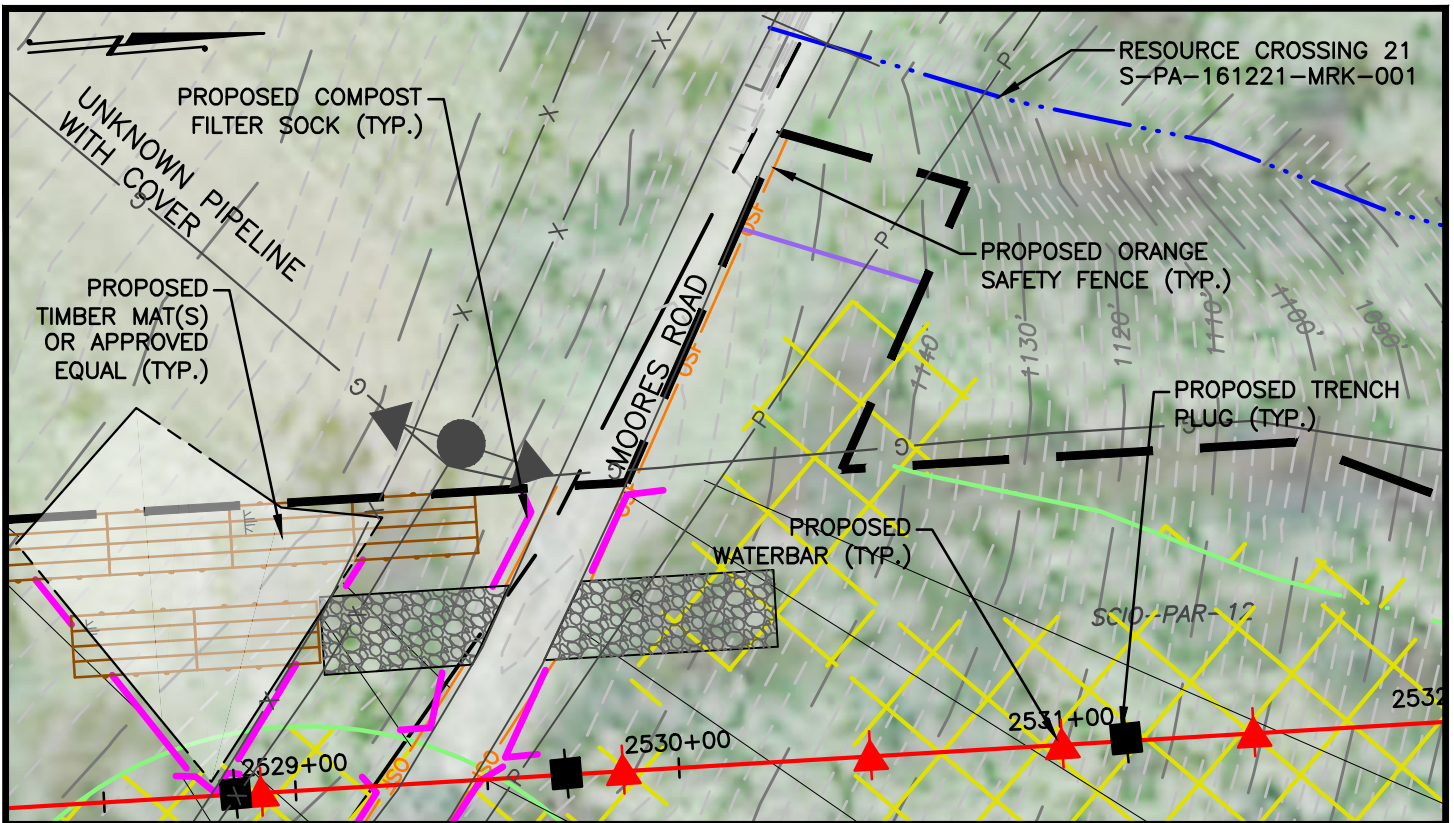
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION

SS111 - RESOURCE CROSSING #20
RACCOON TOWNSHIP
BEAVER COUNTY, PA

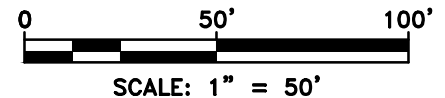
DATE:	09/14/17	SPLC-GOM-AE-SA124575	REV.
BY:	IMM		2

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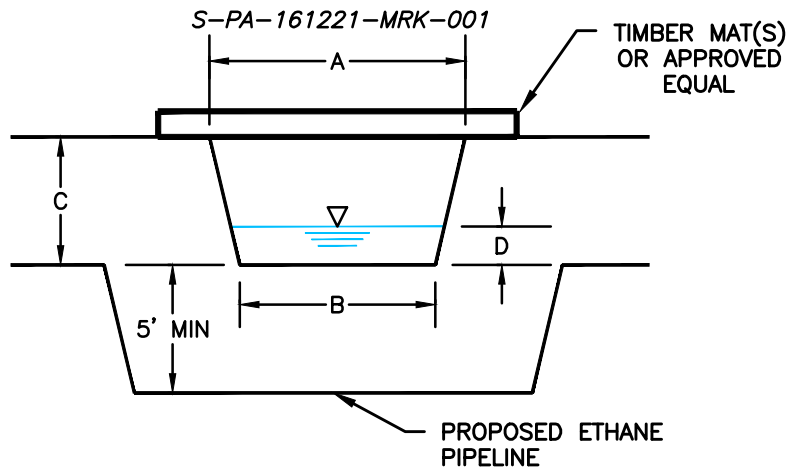


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A = 3.00'
B = 1.00'
C = 1.20'
D = 0.20'

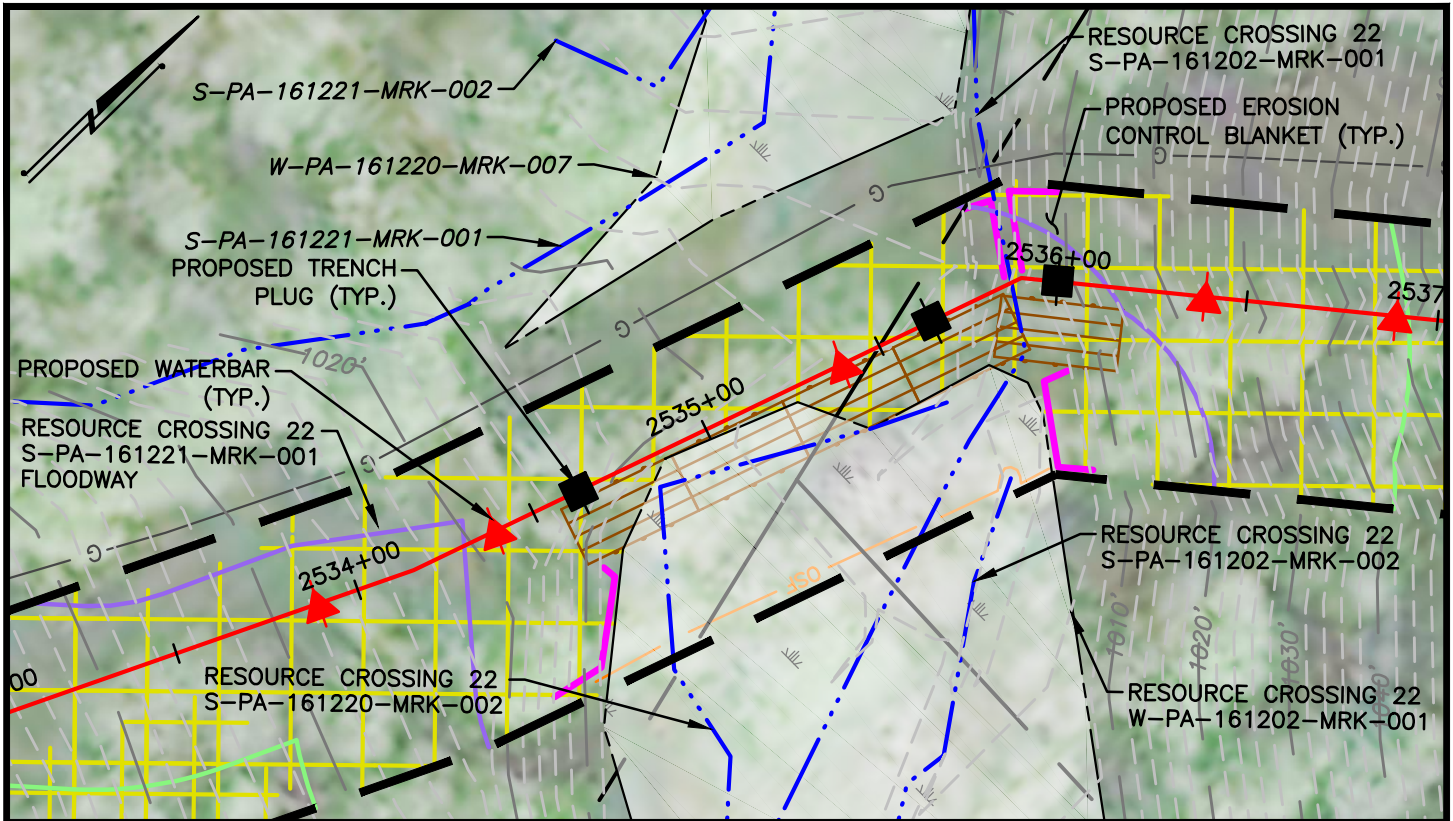


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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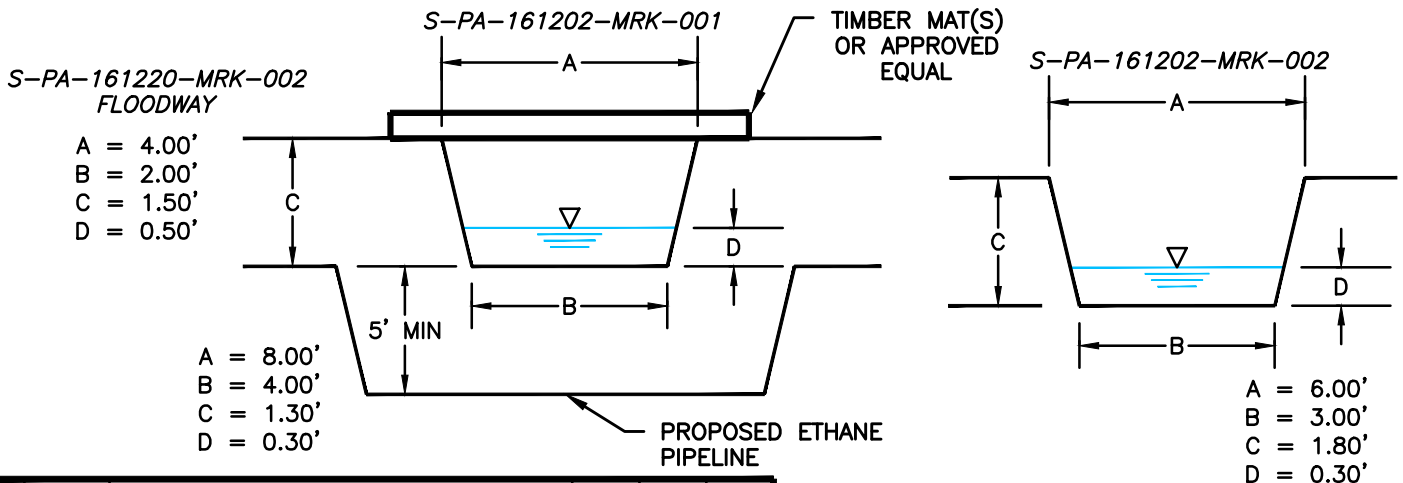
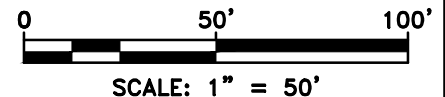
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS112 - RESOURCE CROSSING #21		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124576

Filename: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\187-1-S01_W01_S02_S03.DWG
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NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

SCIO TO JUNCTION

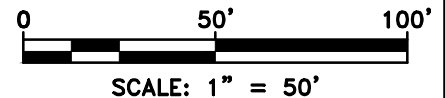
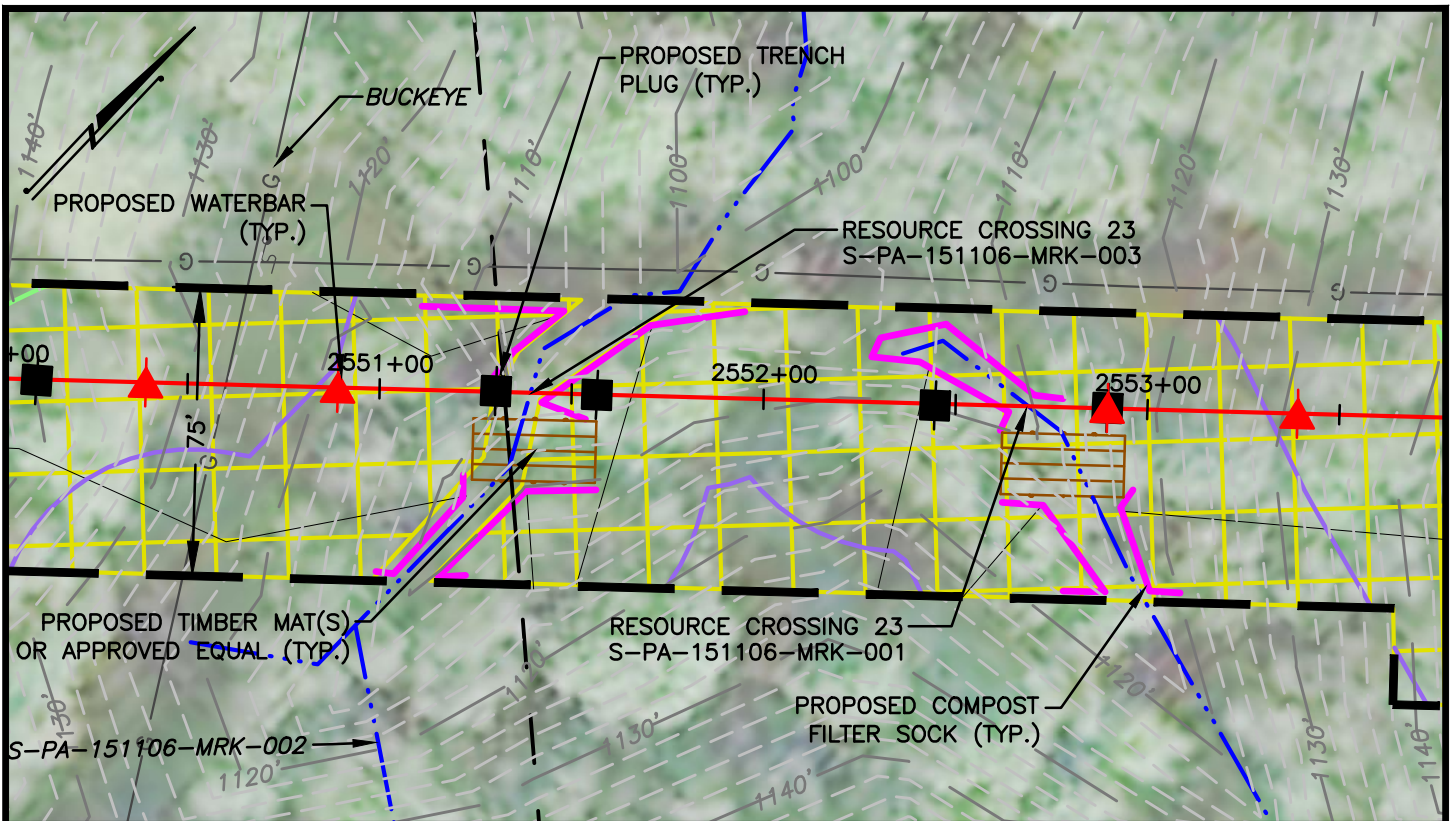
SS113 - RESOURCE CROSSING #22

**RACCOON TOWNSHIP
BEAVER COUNTY,**

PA

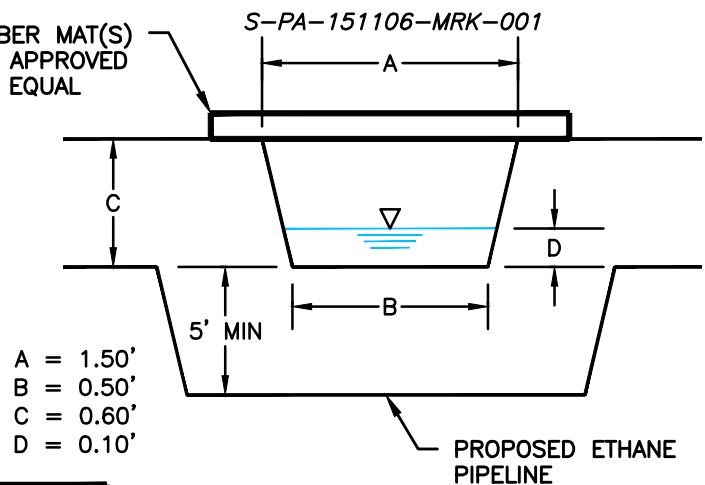
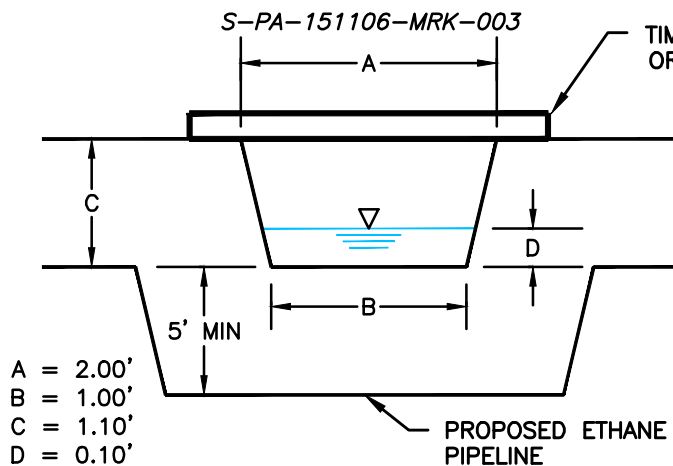
DATE:	09/14/17	SPLC-GOM-AE-SA124577	REV.
BY:	IMM		2

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NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

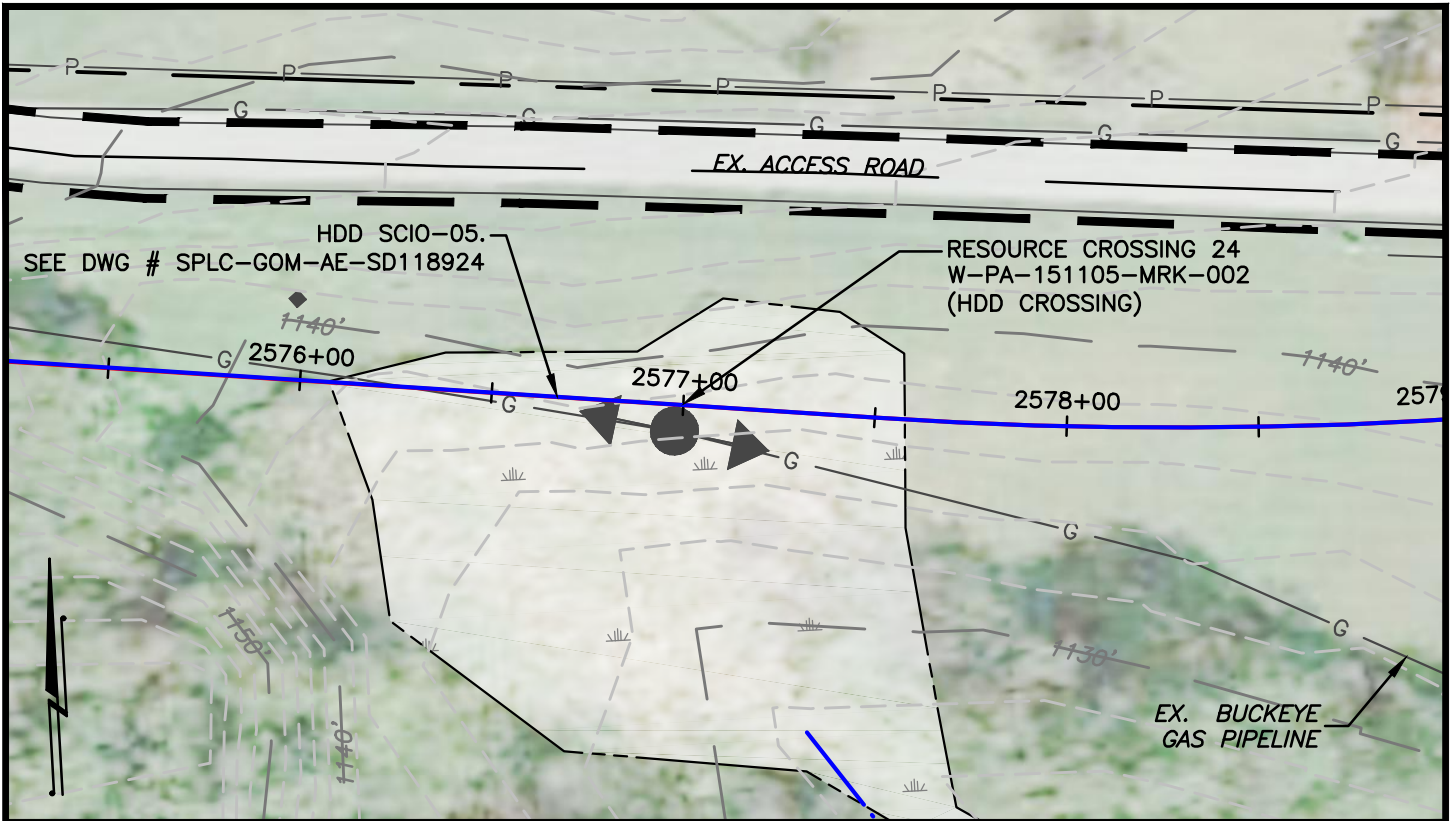
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM SCIO TO JUNCTION

SS114 - RESOURCE CROSSING #23
RACCOON TOWNSHIP
BEAVER COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124578	REV. 2
BY:	IMM		

Filename: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\190-1-W01.DWG
Last saved by: TASHINA.MCKINNEY (7/30/2018 10:10 AM) Last Plotted: 2018-07-31 (7/31/2018 1:43 PM)



NOTES:

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SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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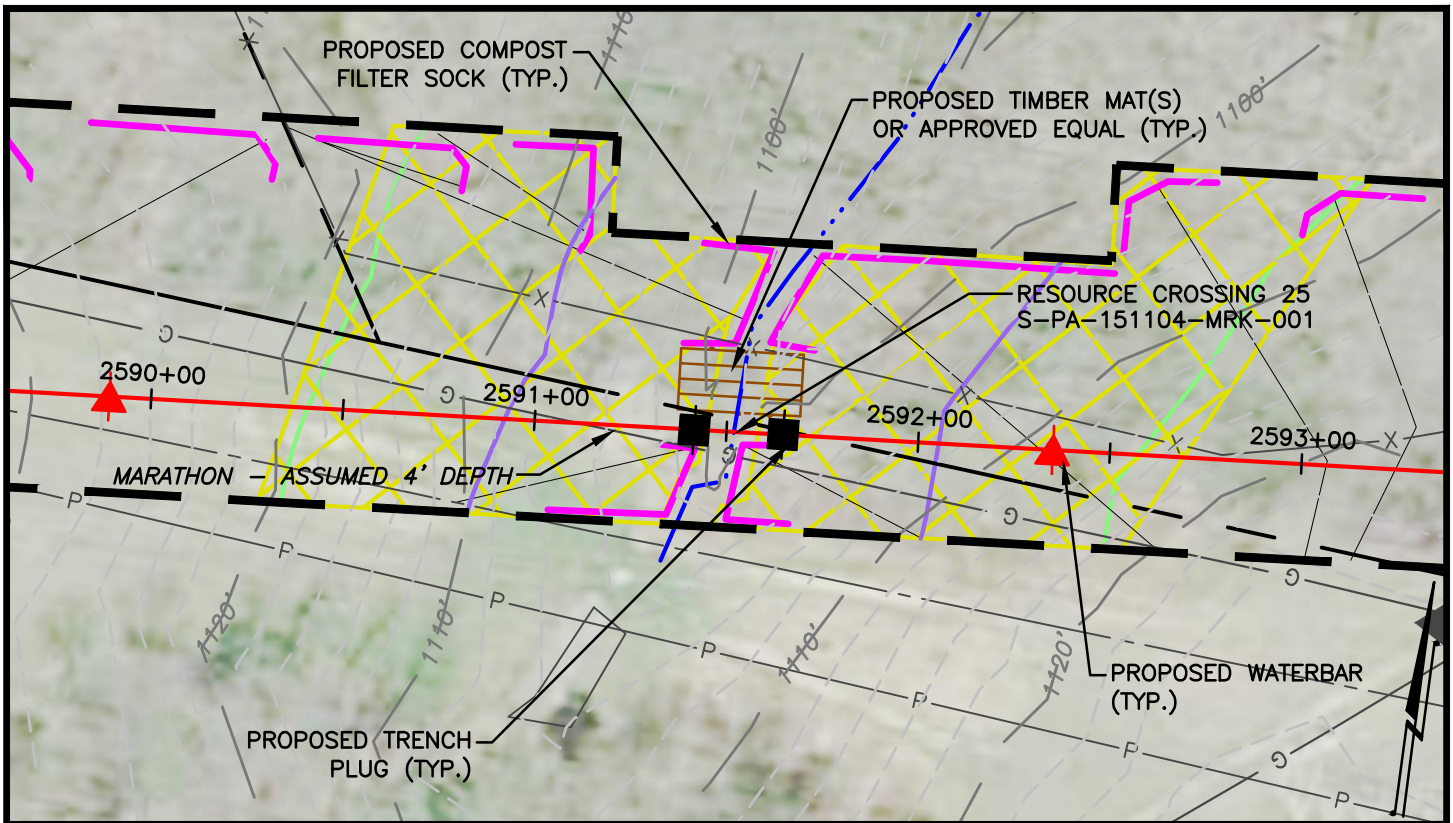
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS115 - RESOURCE CROSSING #24
RACCOON TOWNSHIP
BEAVER COUNTY, PA

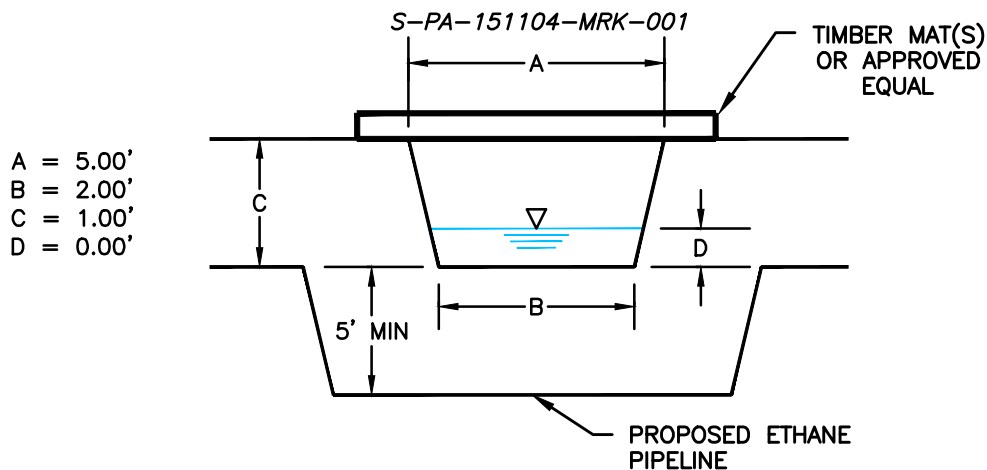
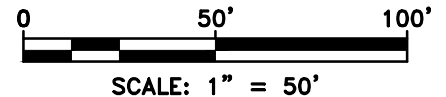
DATE:	09/14/17	SPLC-GOM-AE-SA124579	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\191-1-S01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 10:20 AM) Last Plotted: 2018-07-31 (7/31/2018 1:44 PM)



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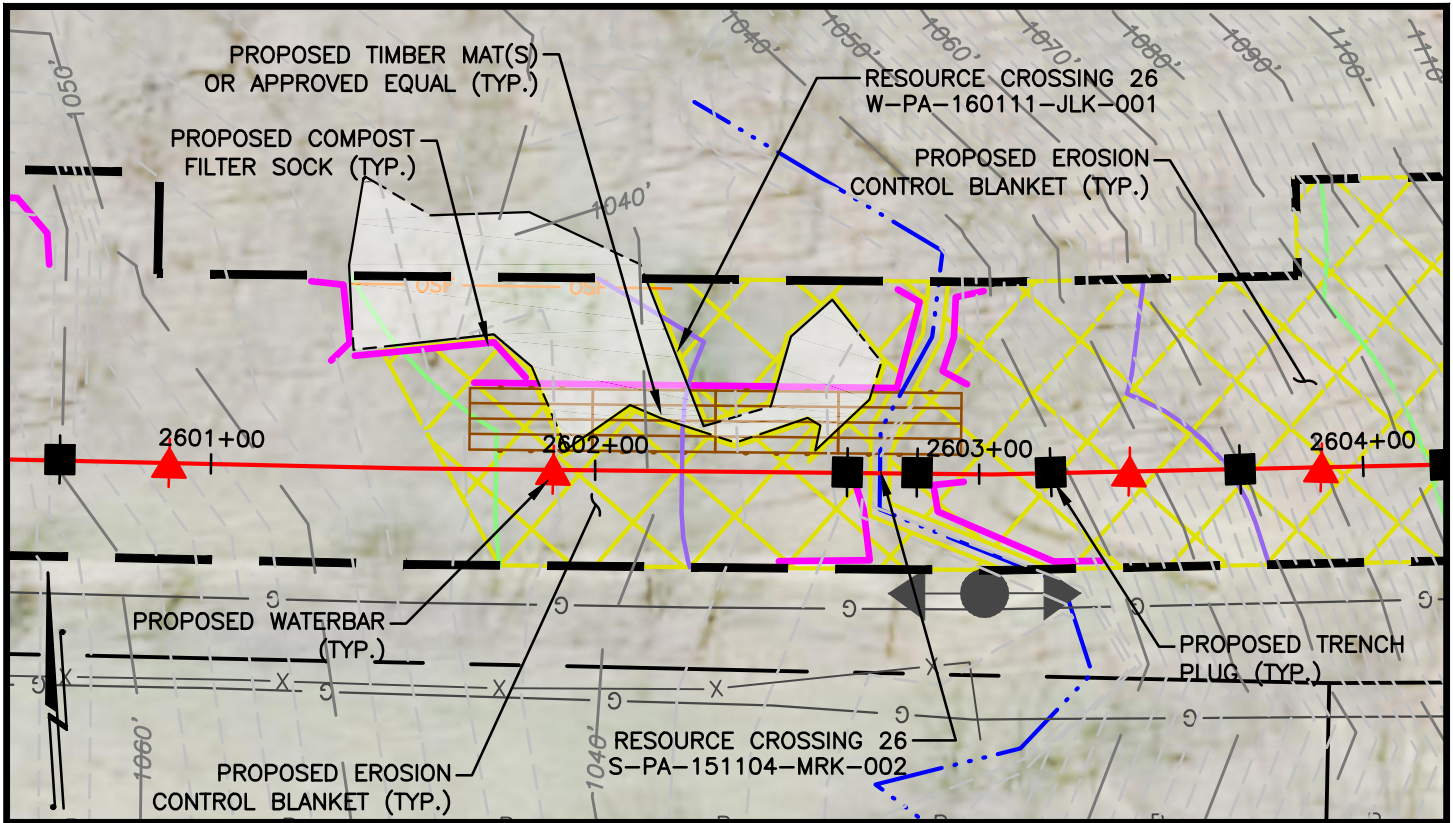


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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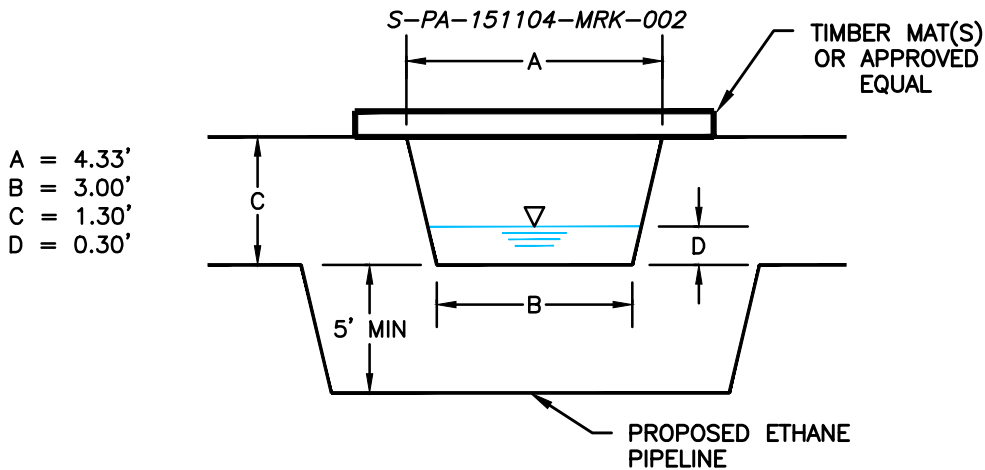
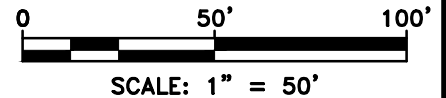
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS116 - RESOURCE CROSSING #25		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124580		

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\192-1-S01_W01.DWG
Last saved by: TASHINA.MCKINNEY (7/30/2018 10:54 AM) Last Plotted: 2018-07-31 (7/31/2018 1:45 PM)



NOTES:

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2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

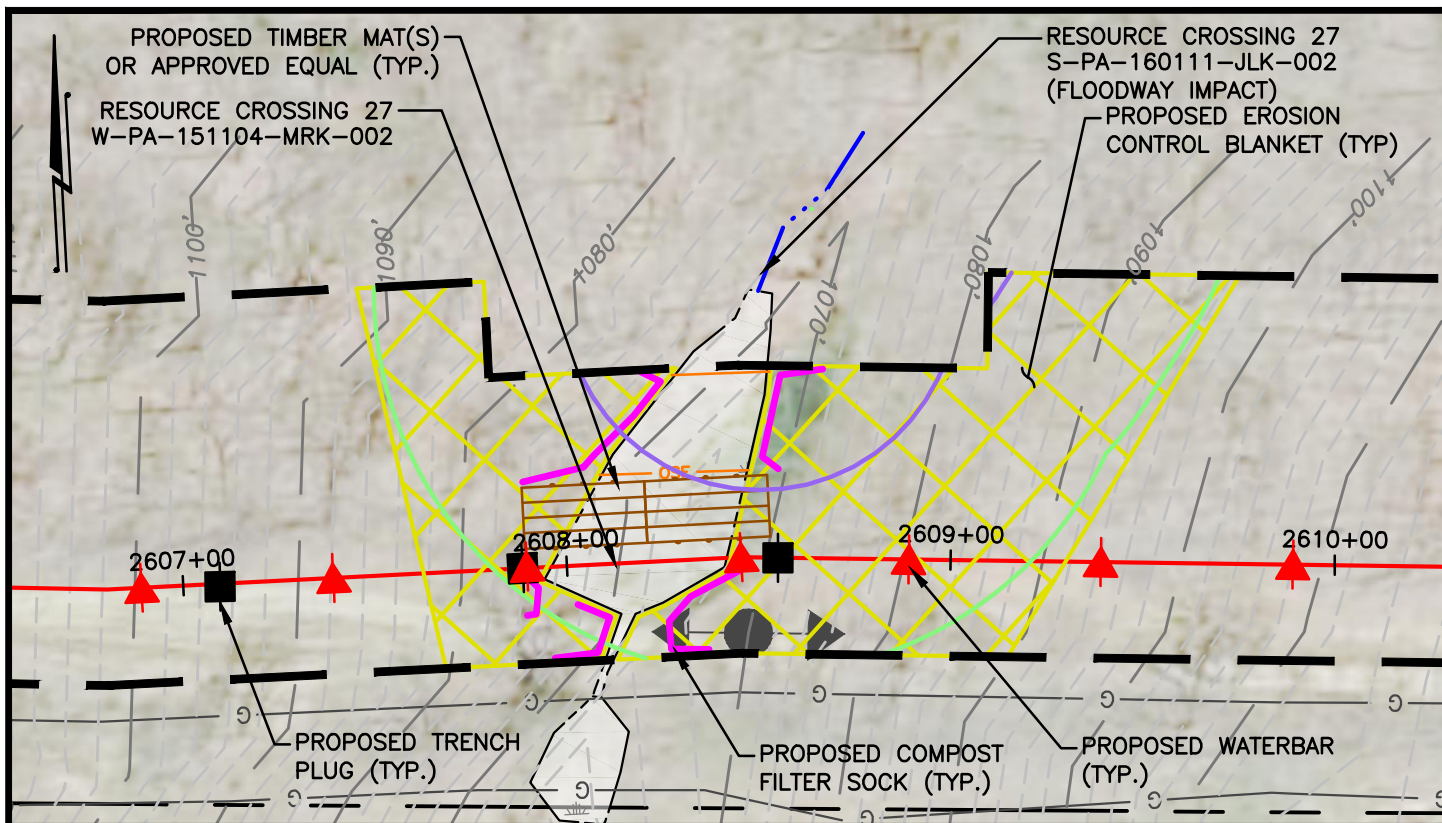
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FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION

SS117 - RESOURCE CROSSING #26
RACCOON TOWNSHIP
BEAVER COUNTY, PA

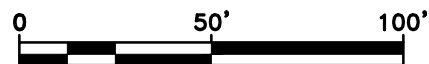
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BY:	IMM		2

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Last saved by: TASHINA MCKINNEY (7/30/2018 11:33 AM) Last Plotted: 2018-07-31 (7/31/2018 1:46 PM)



NOTES:

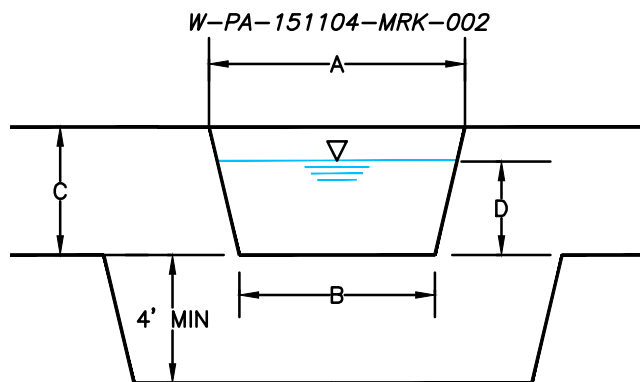
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



SCALE: 1" = 50'

S-PA-160111-JLK-002
FLOODWAY

A = 2.75'
B = 2.00'
C = 1.05'
D = 0.30'



A = 45.51'
B = 45.51'
C = 8.93'
D = 2.00'

PROPOSED ETHANE PIPELINE

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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.

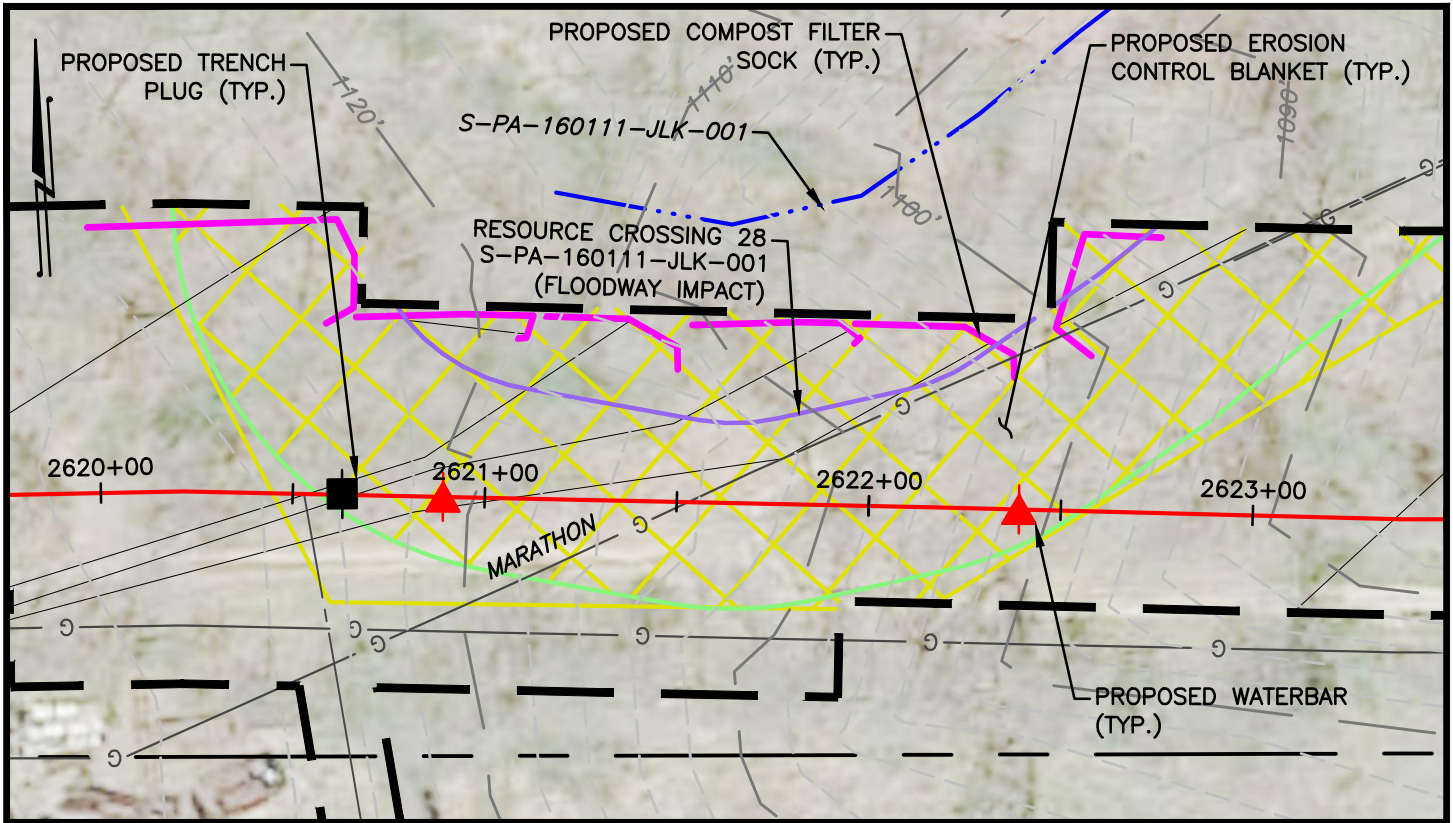
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS118 - RESOURCE CROSSING #27
RACCOON TOWNSHIP
BEAVER COUNTY, PA

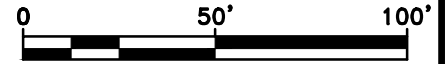
DATE:	09/14/17	SPLC-GOM-AE-SA124582	REV. 2
BY:	IMM		

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\194-1-S01.DWG
Last saved by: TASHINA.MCKINNEY (7/30/2018 11:50 AM) Last Plotted: 2018-07-31 (7/31/2018 1:47 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.



SCALE: 1" = 50'

S-PA-160111-JLK-001
FLOODWAY

A = 2.50'
B = 2.00'
C = 0.30'
D = 0.10'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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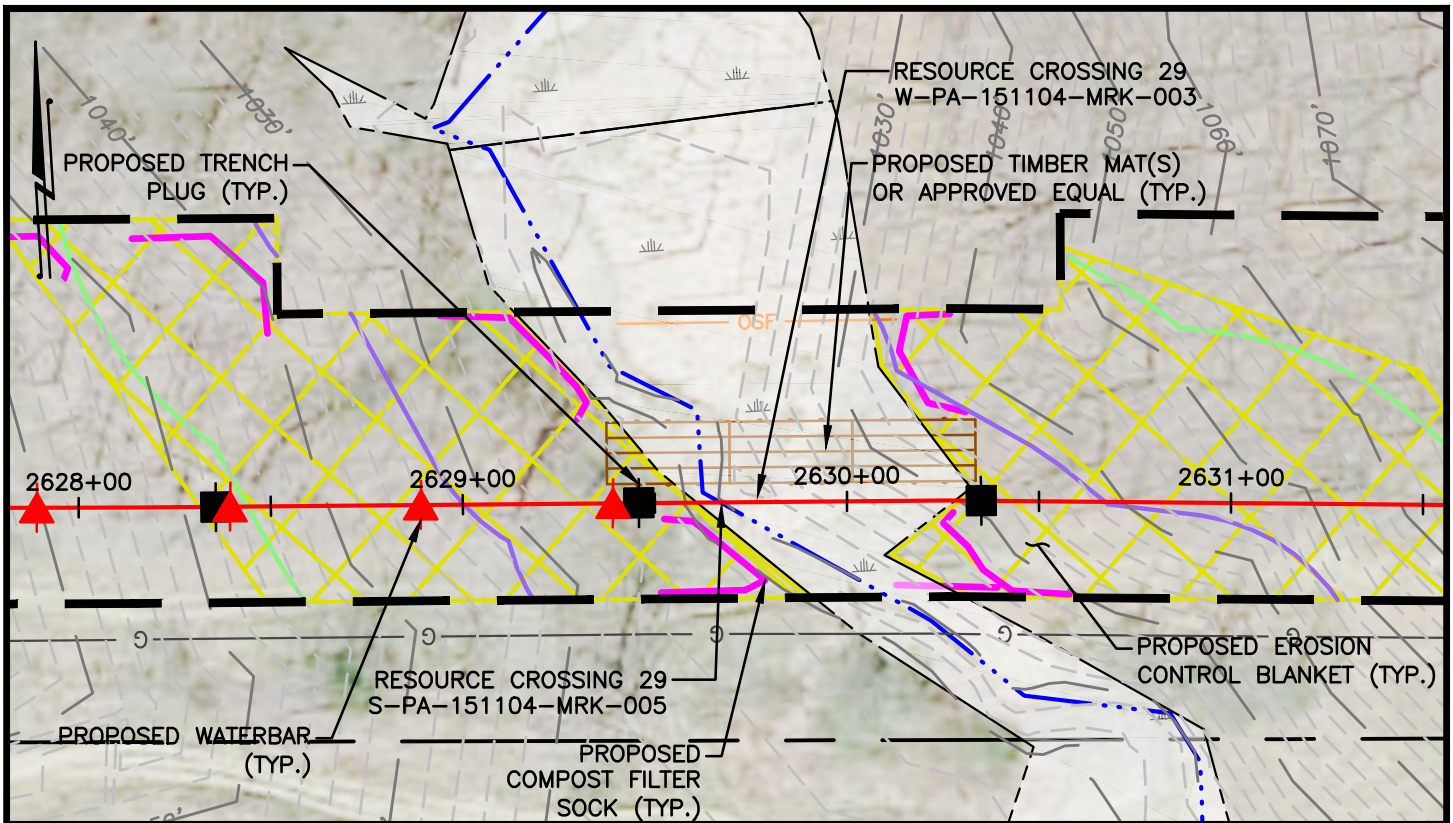
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS119 - RESOURCE CROSSING #28
RACCOON TOWNSHIP
BEAVER COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124583	REV.
BY:	IMM		2

File: Y:\PROJECTS\1747\SH\1747-SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\194-2-S02_W01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 12:43 PM) Last Plotted: 2018-07-31 (7/31/2018 1:49 PM)

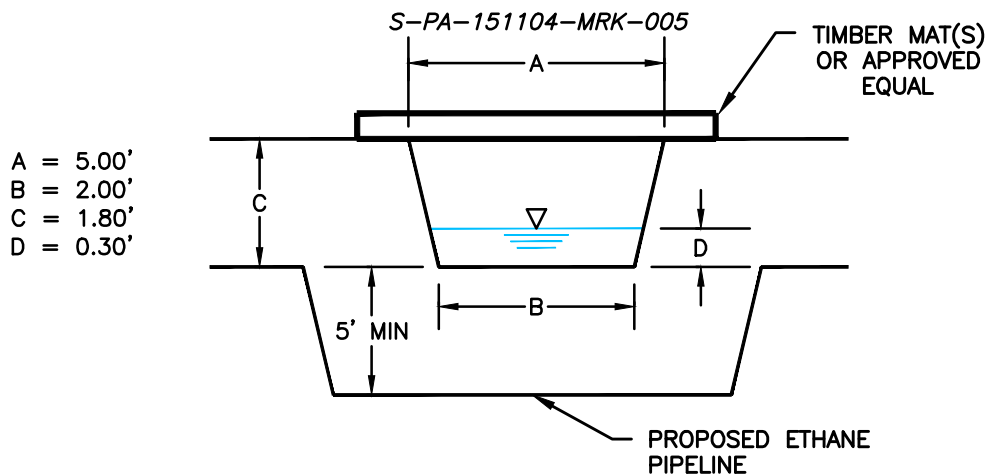


NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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'

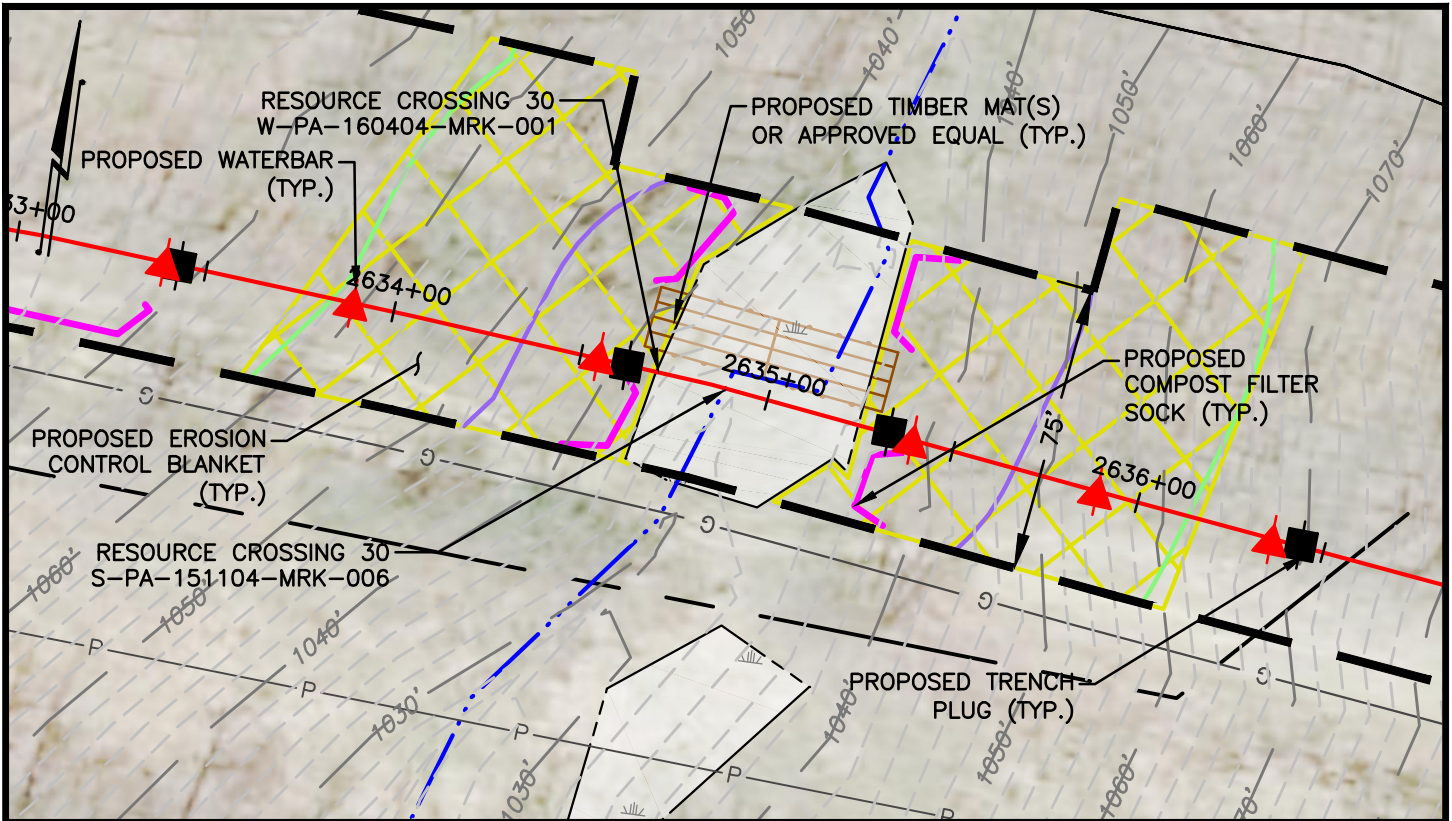


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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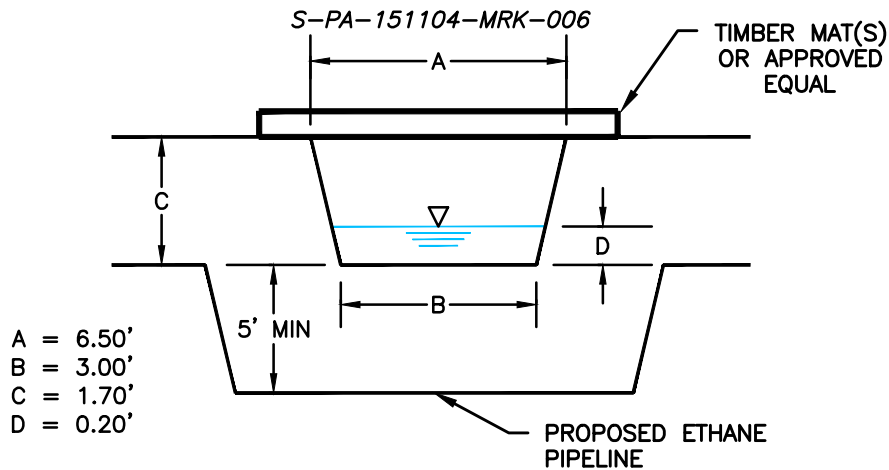
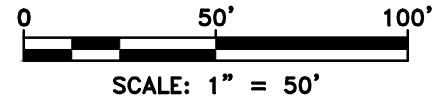
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS120 - RESOURCE CROSSING #29		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124584

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\195-1-S01_W01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 12:48 PM) Last Plotted: 2018-07-31 (7/31/2018 1:50 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.
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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.

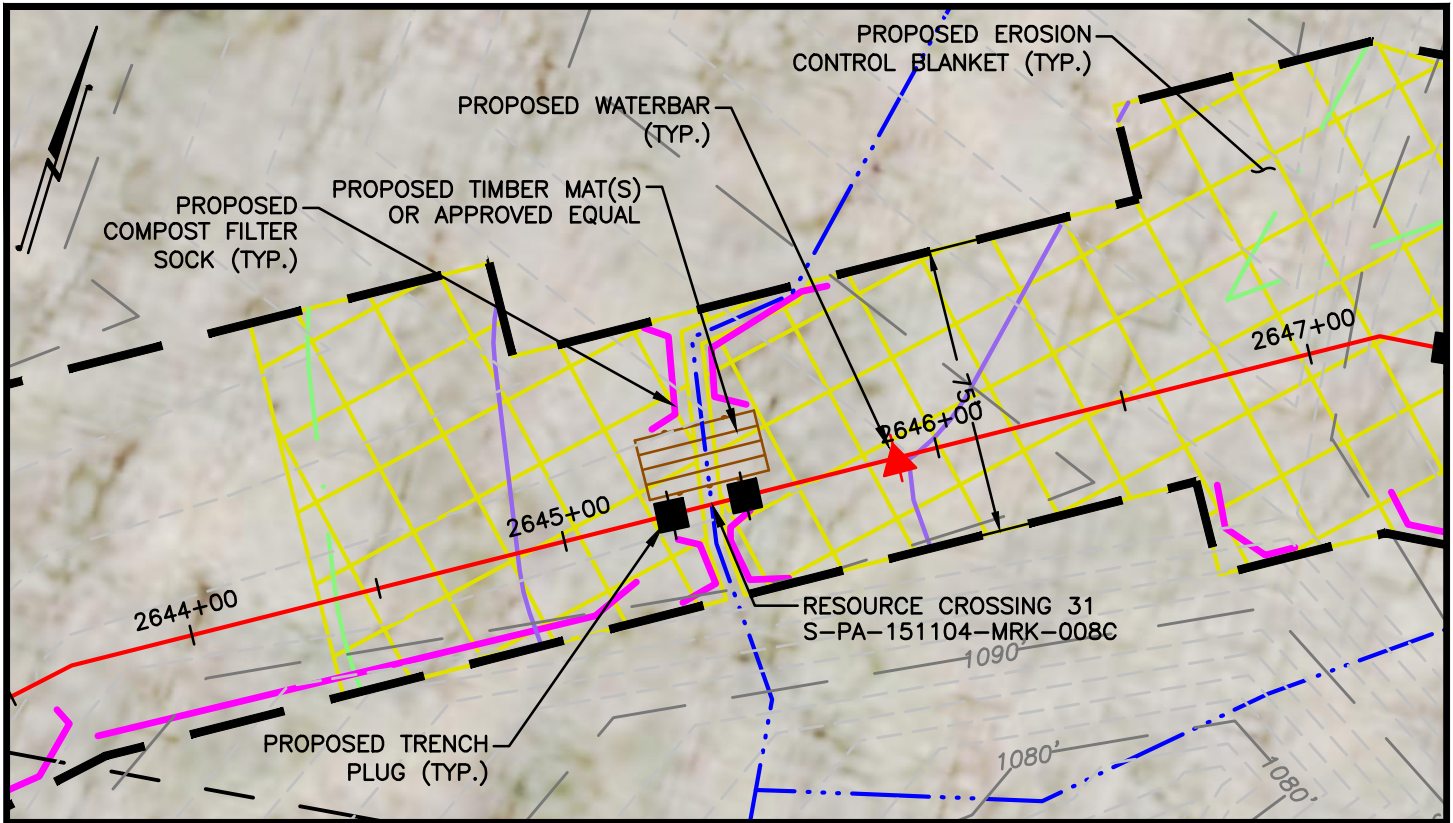


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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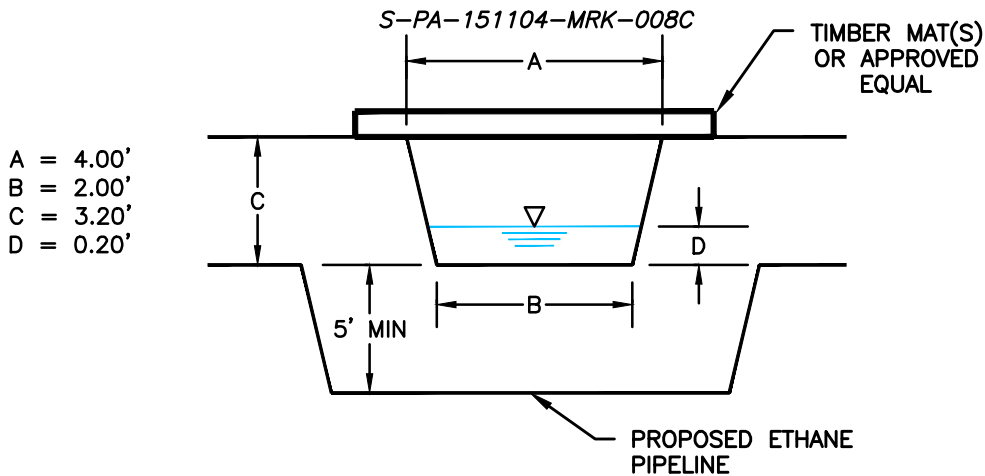
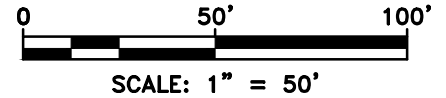
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS121 - RESOURCE CROSSING #30		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124585

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\196-1-S01.DWG
Last saved by: TASHINA MCKINNEY (7/30/2018 12:53 PM) Last Plotted: 2018-07-31 (7/31/2018 1:51 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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

SCIO TO JUNCTION

SS122 - RESOURCE CROSSING #31

RACCOON TOWNSHIP

BEAVER COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124586	REV.
BY:	IMM		2

0 50' 100'

SCALE: 1" = 50'

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.

A = 5.75'
B = 2.25'
C = 1.00'
D = 0.00'

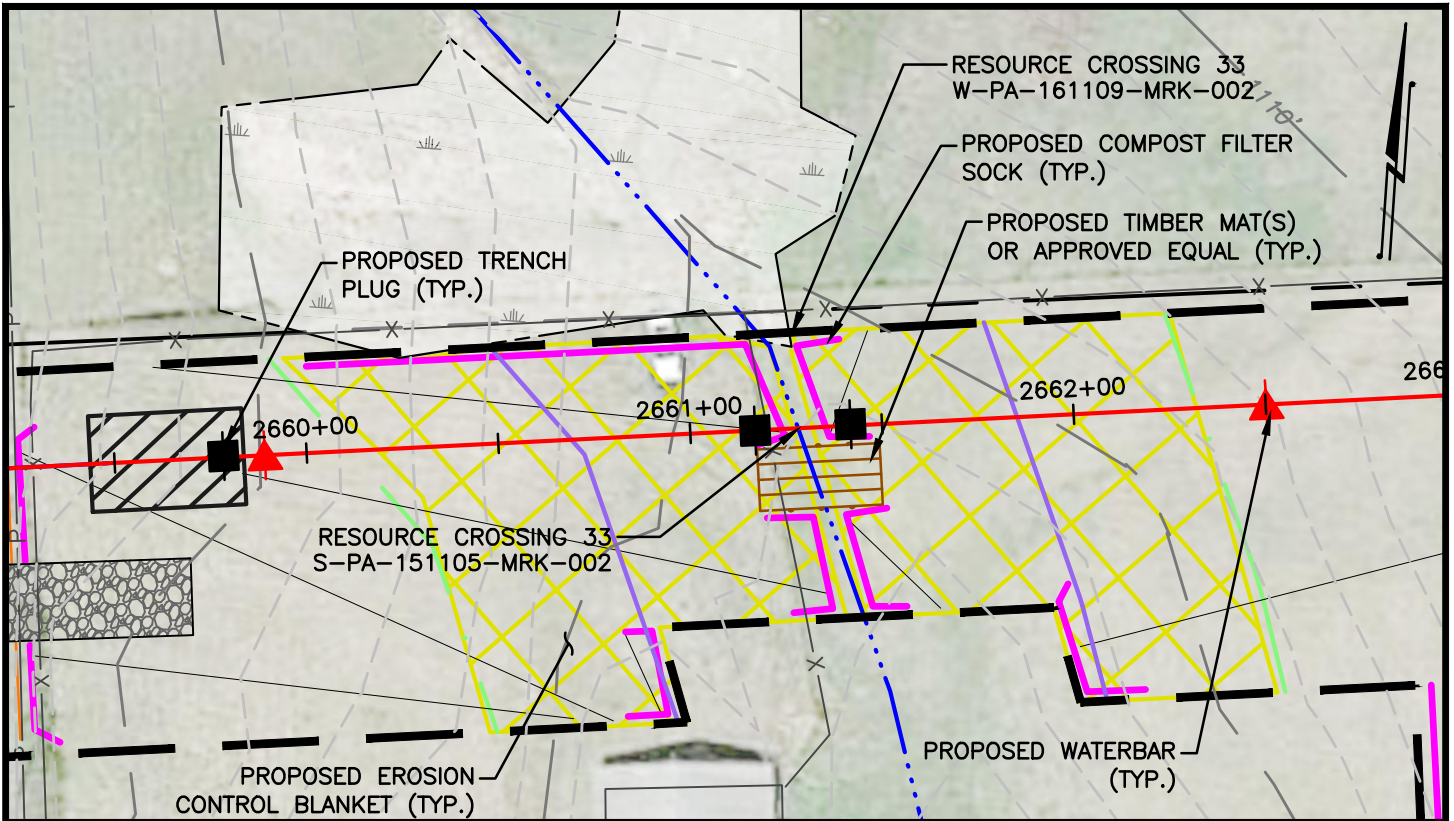
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP

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SS123 - RESOURCE CROSSING #32
RACCOON TOWNSHIP
BEAVER COUNTY,

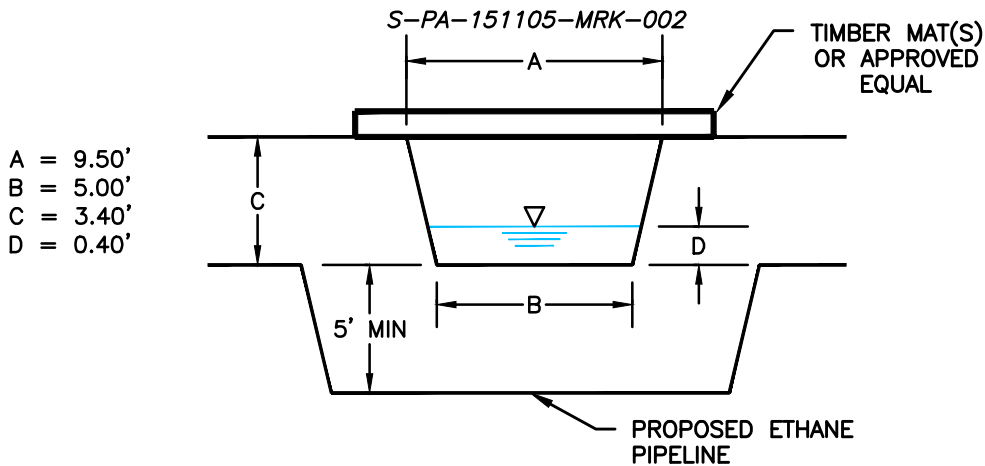
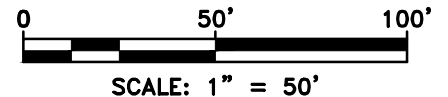
DATE:	09/14/17	SPLC-GOM-AE-SA124587	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\197-1-S01_W01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 1:02 PM) Last Plotted: 2018-07-31 (7/31/2018 1:54 PM)



NOTES:

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.

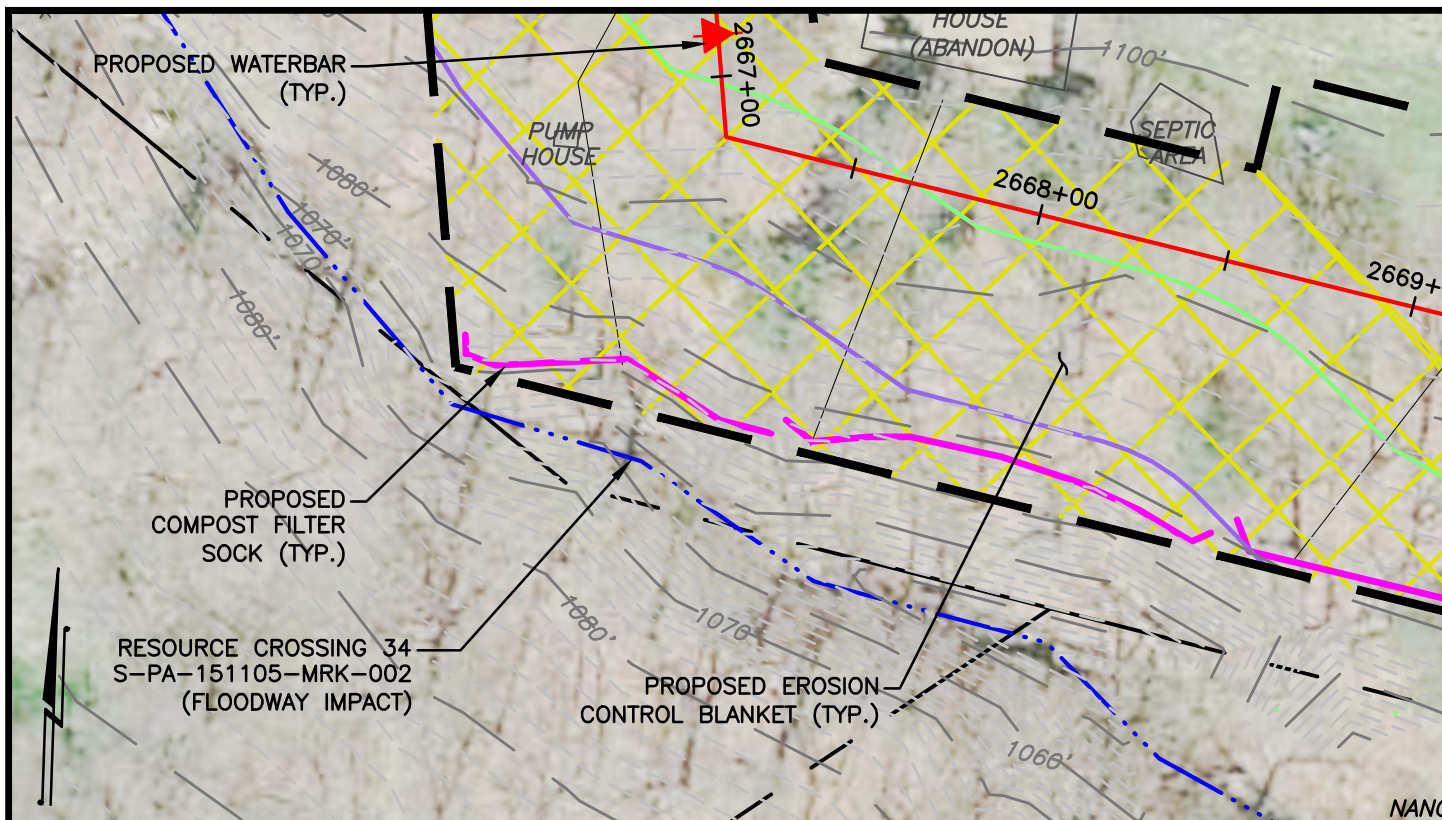


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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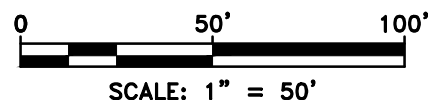
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS124 - RESOURCE CROSSING #33		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124588

Filename: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\198-1-F01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 1:06 PM) Last Plotted: 2018-07-31 (7/31/2018 1:55 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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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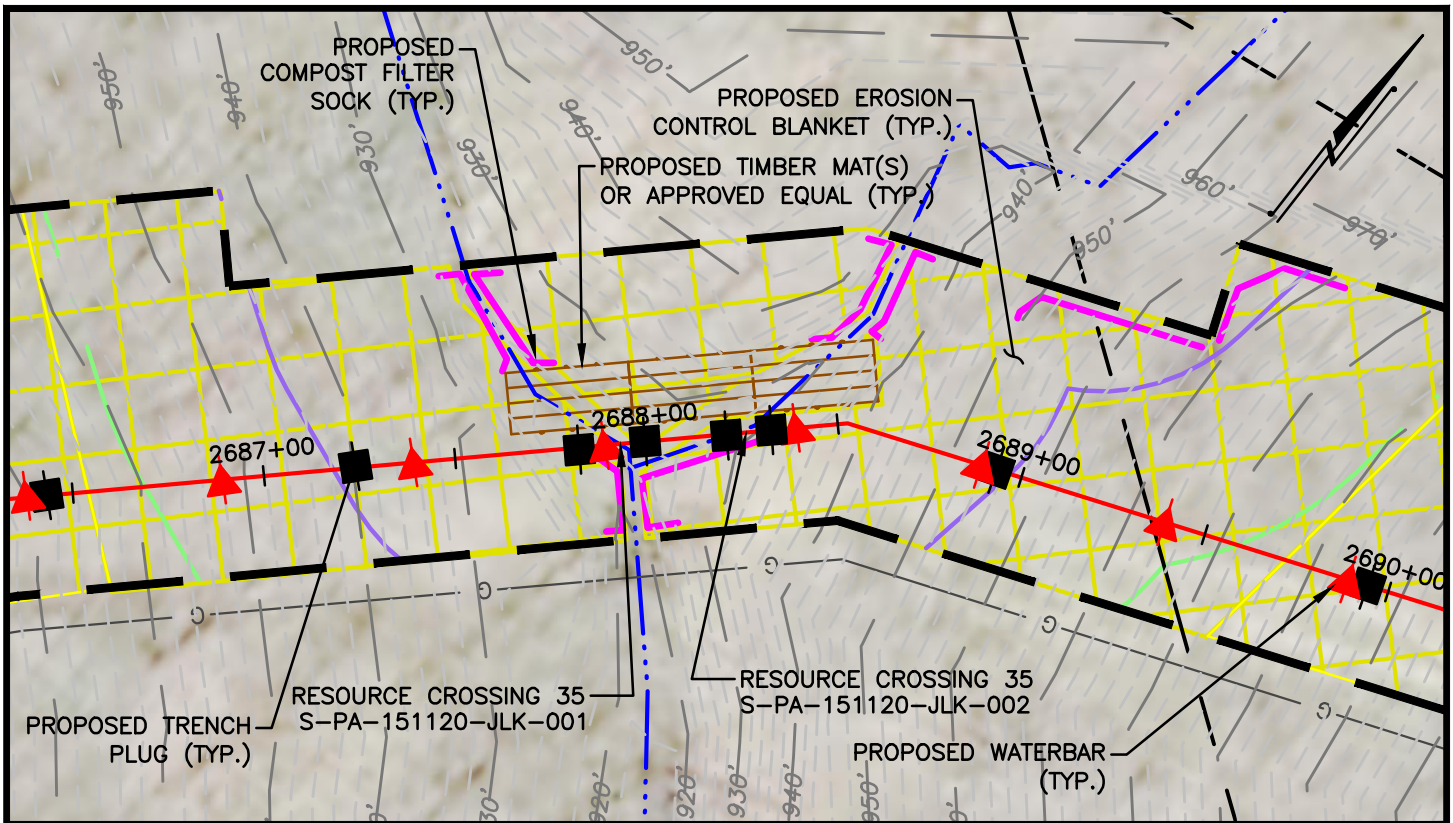
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS125 - RESOURCE CROSSING #34
RACCOON TOWNSHIP
BEAVER COUNTY, PA

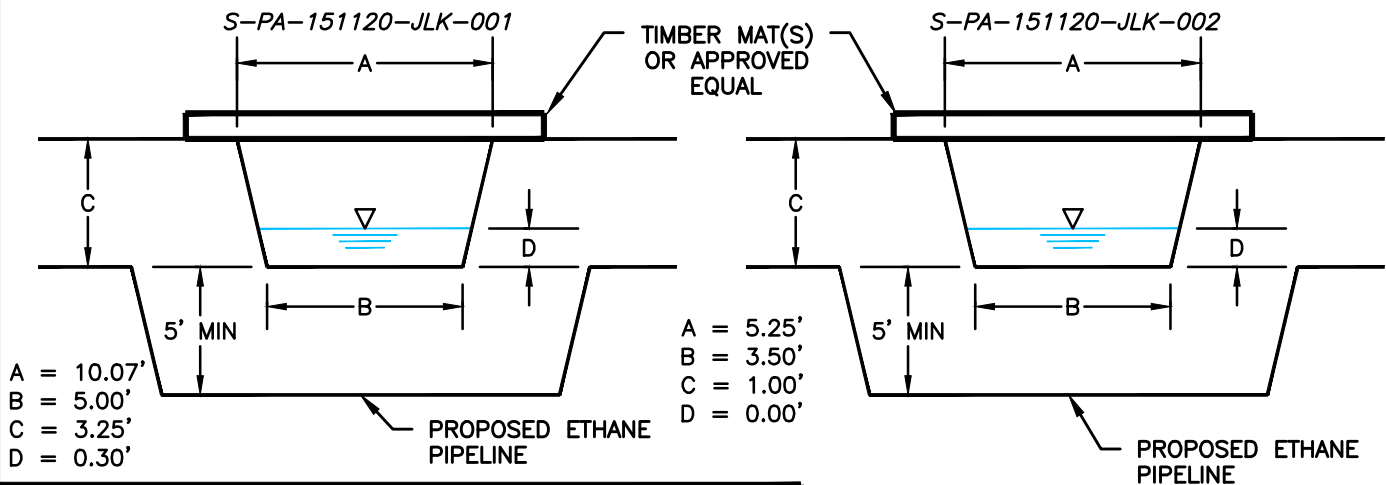
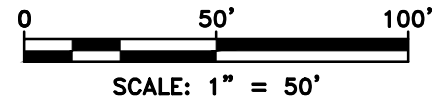
DATE:	09/14/17	SPLC-GOM-AE-SA124589	REV.
BY:	IMM		2

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Last saved by: TASHINA MCKINNEY (7/30/2018 1:11 PM) Last Plotted: 2018-07-31 (7/31/2018 1:56 PM)



NOTES:

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.

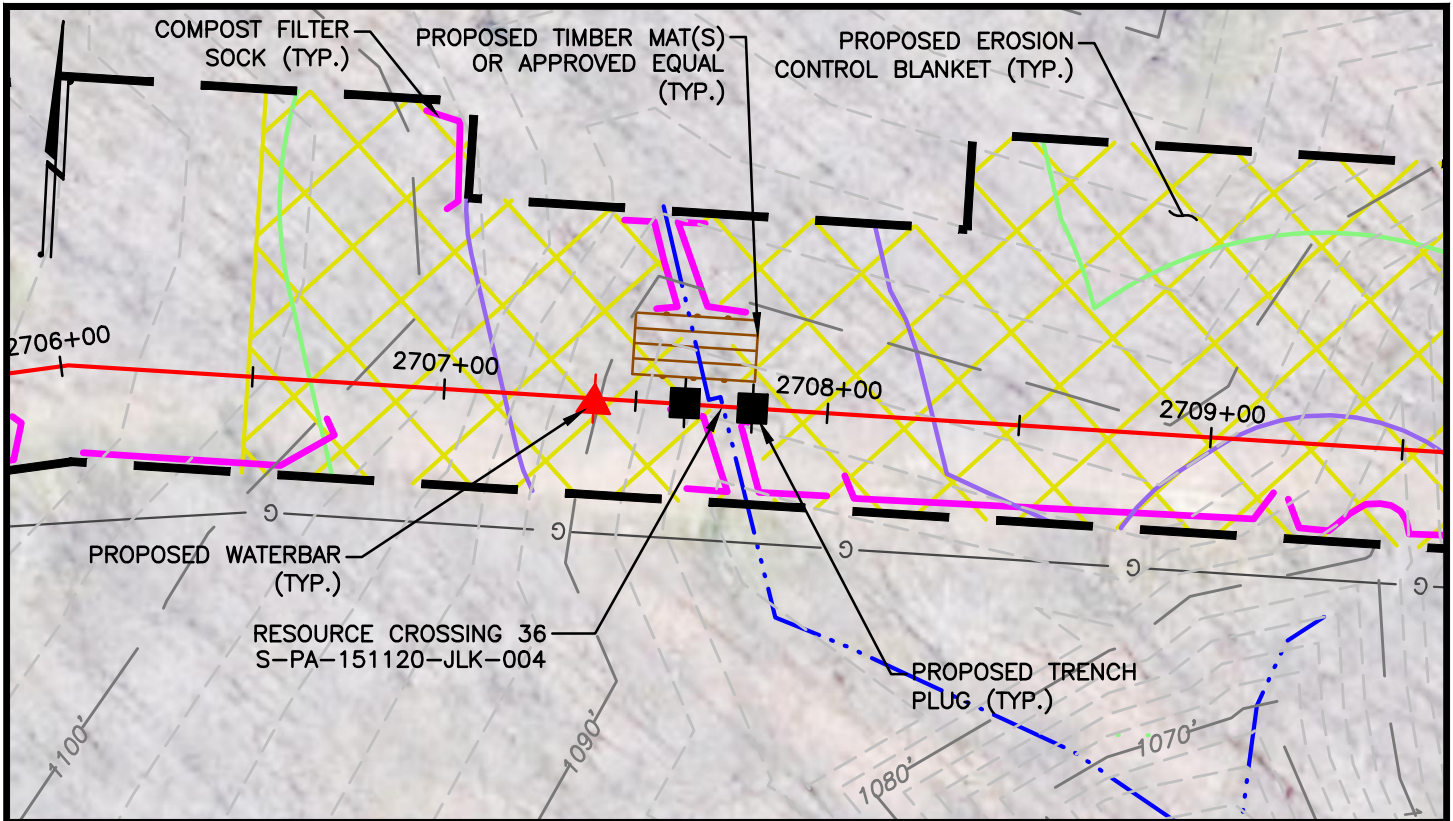


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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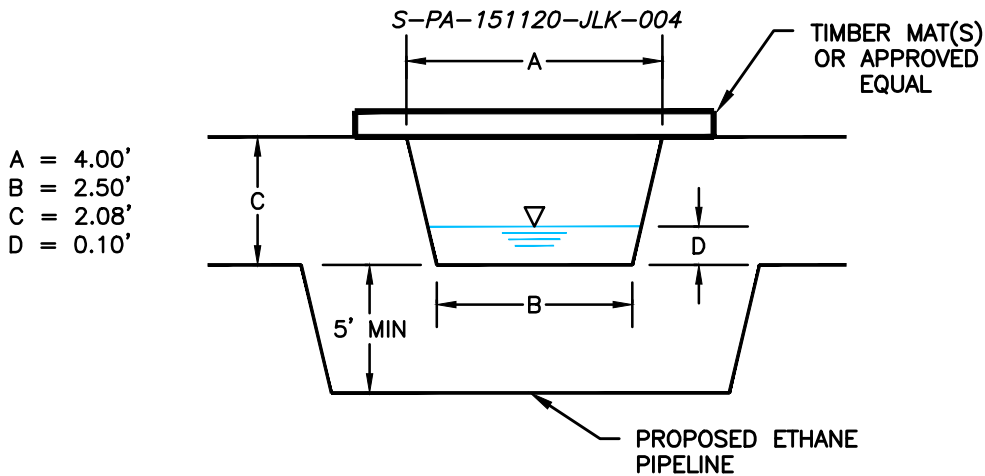
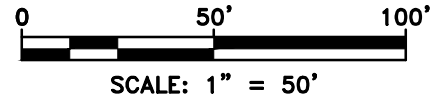
FALCON ETHANE PIPELINE SYSTEM			SCIO TO JUNCTION	
SS126 - RESOURCE CROSSING #35			RACCOON TOWNSHIP	
BEAVER COUNTY,			PA	
DATE:	09/14/17	SPLC-GOM-AE-SA124590		REV. 2
BY:	IMM			

File: Y:\PROJECTS\1747\SH\1747-SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\201-1-S01.DWG
Last saved by: TASHINA MCKINNEY (7/30/2018 1:20 PM) Last Plotted: 2018-07-31 (7/31/2018 1:57 PM)



NOTES:

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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.



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

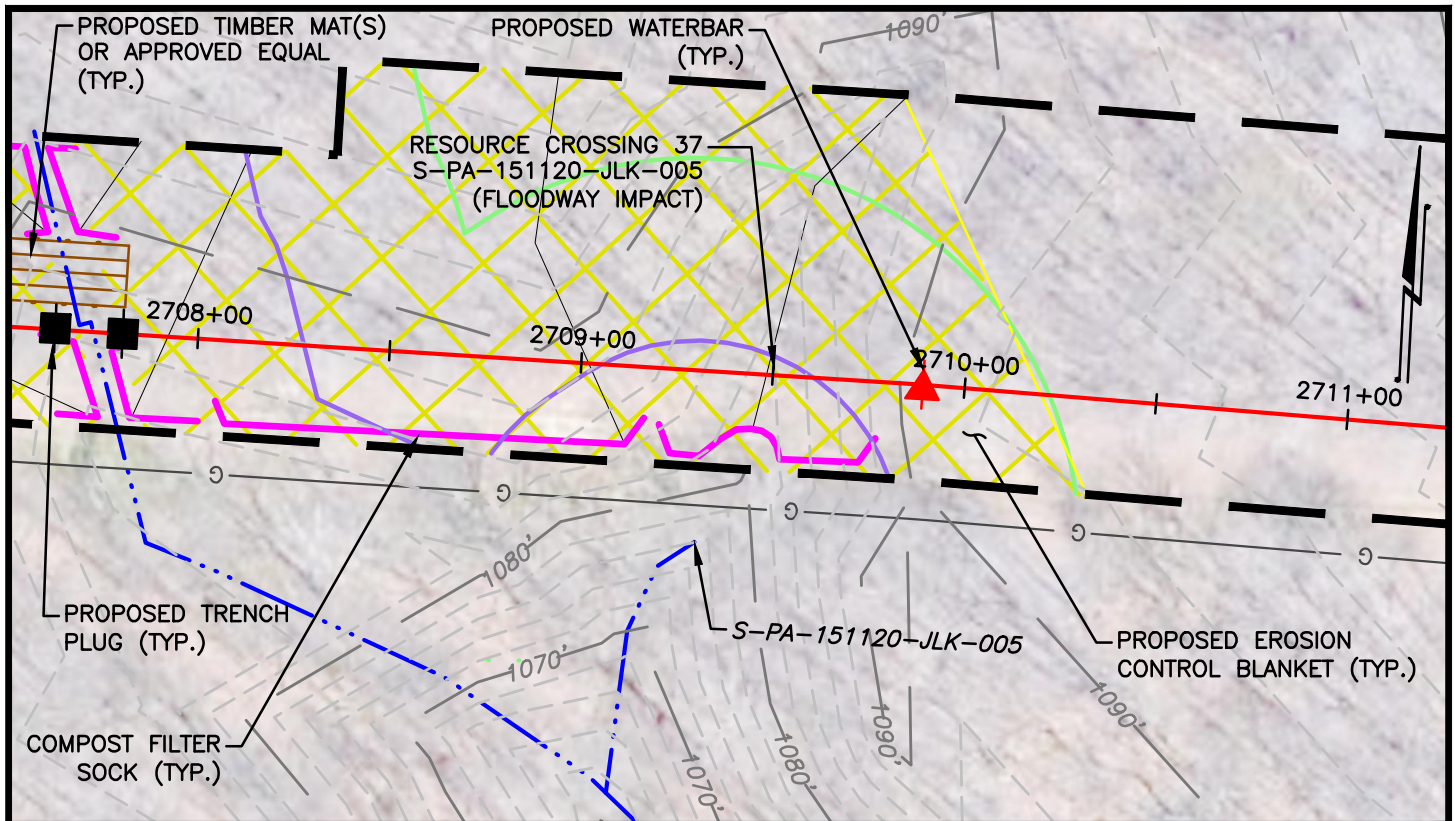
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION

SS127 - RESOURCE CROSSING #36
RACCOON TOWNSHIP
BEAVER COUNTY, PA

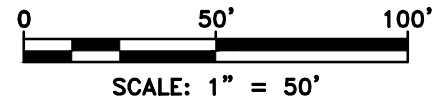
DATE:	09/14/17	SPLC-GOM-AE-SA124591	REV.
BY:	IMM		2

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 Last saved by: TASHINA MCKINNEY (7/30/2018 1:24 PM) Last Plotted: 2018-07-31 (7/31/2018 1:58 PM)



NOTES:

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.



S-PA-151120-JLK-005
 FLOODWAY

A = 6.00'
 B = 2.00'
 C = 3.08'
 D = 0.10'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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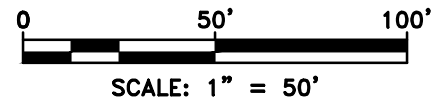
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS128 - RESOURCE CROSSING #37		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124592		

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\140-1-W01.DWG
 Last saved by: CESARIOA (7/31/2018 9:42 AM)
 Last Plotted: 2018-07-31 (7/31/2018 1:59 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.
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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.



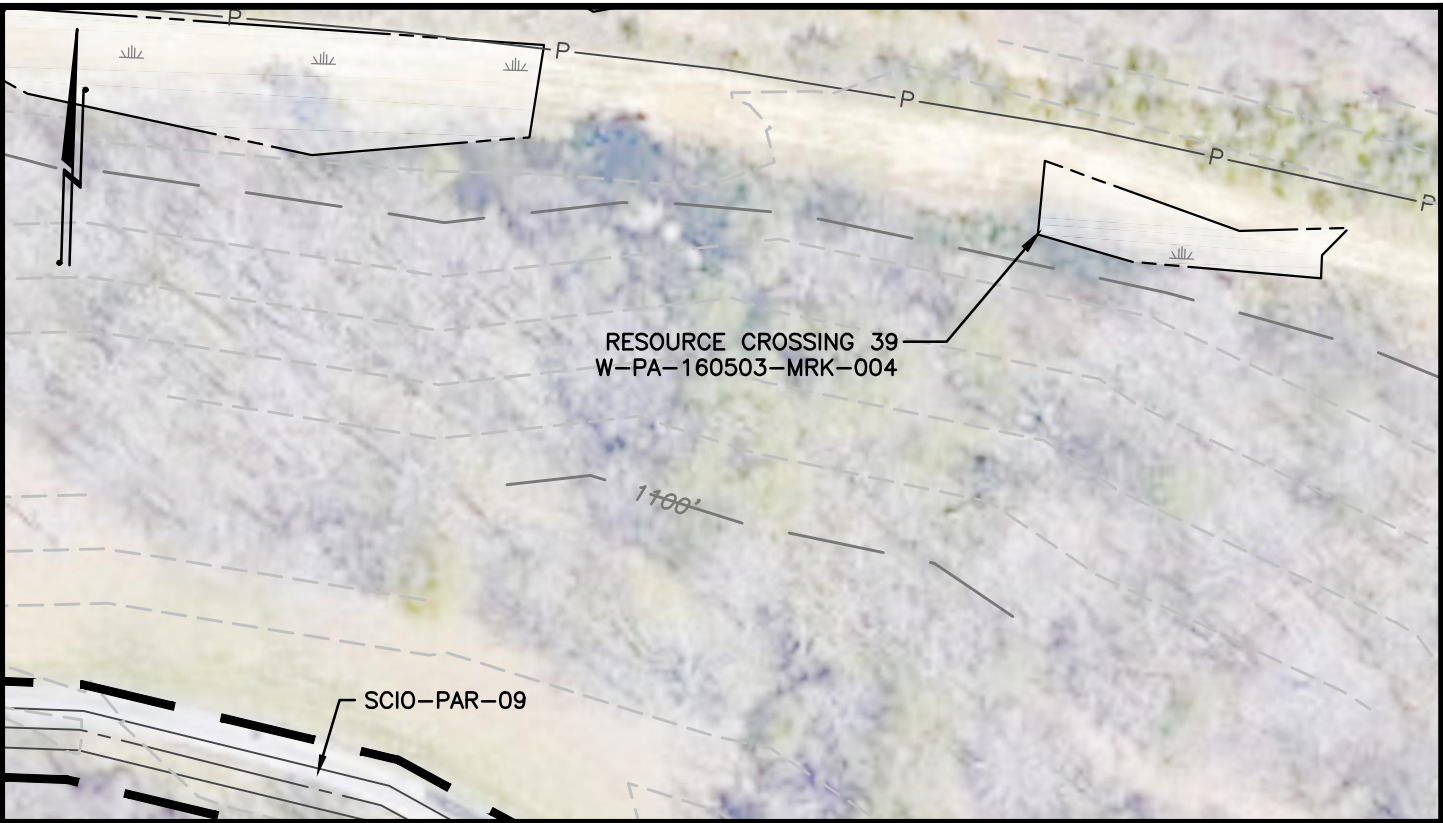
HOU-TAR-50 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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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

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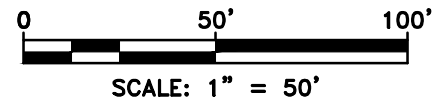
FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS129 - RESOURCE CROSSING #38		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124593		

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Last saved by: CESARIOA (7/31/2018 8:54 AM) Last Plotted: 2018-07-31 (7/31/2018 2:00 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.



HOU-TAR-50 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

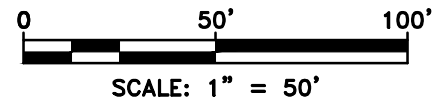
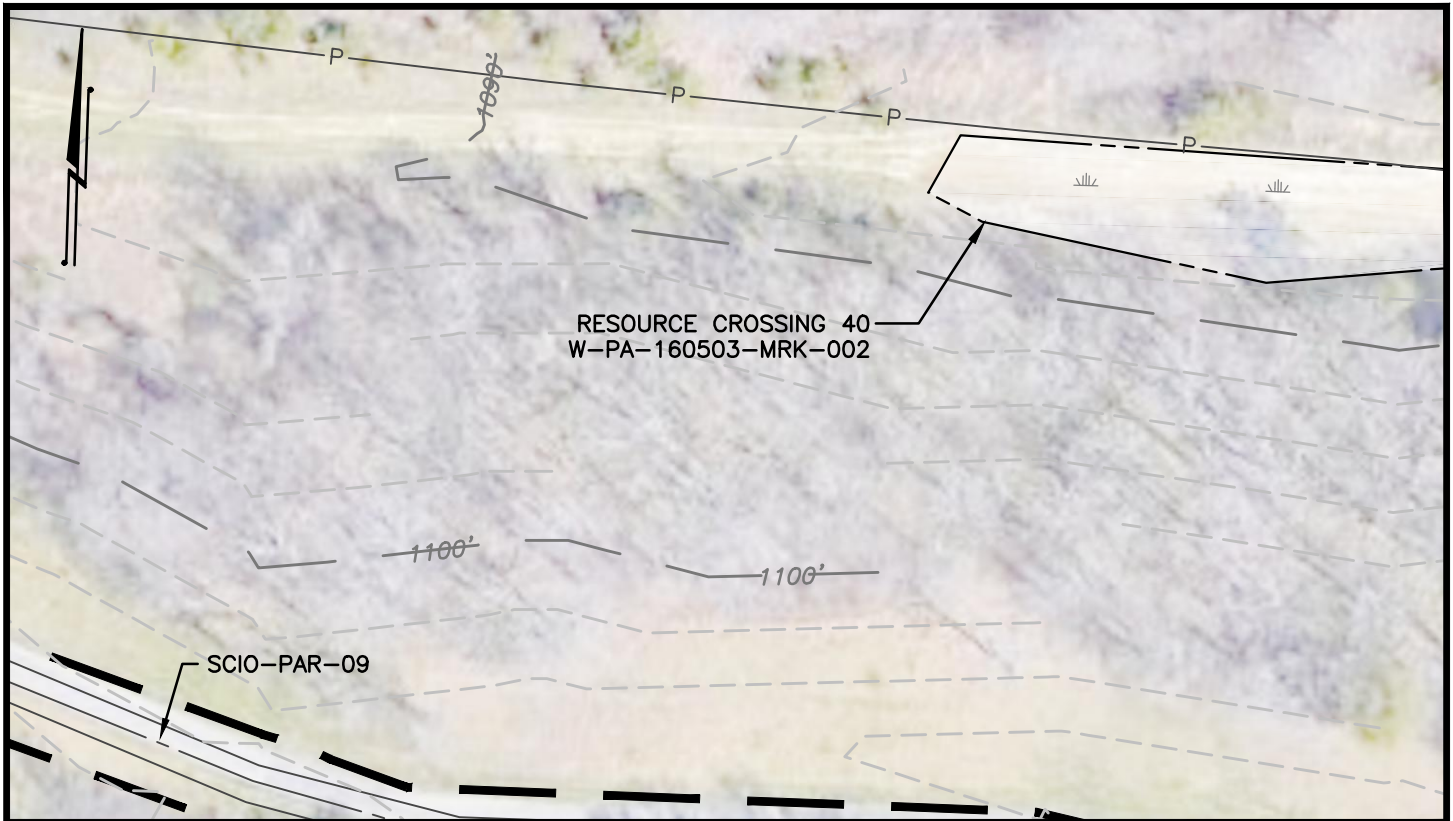
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS130 - RESOURCE CROSSING #39
RACCOON TOWNSHIP
BEAVER COUNTY, PA**

DATE:	09/14/17	SPLC-GOM-AE-SA124594	REV.
BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\201A-1-W01.DWG
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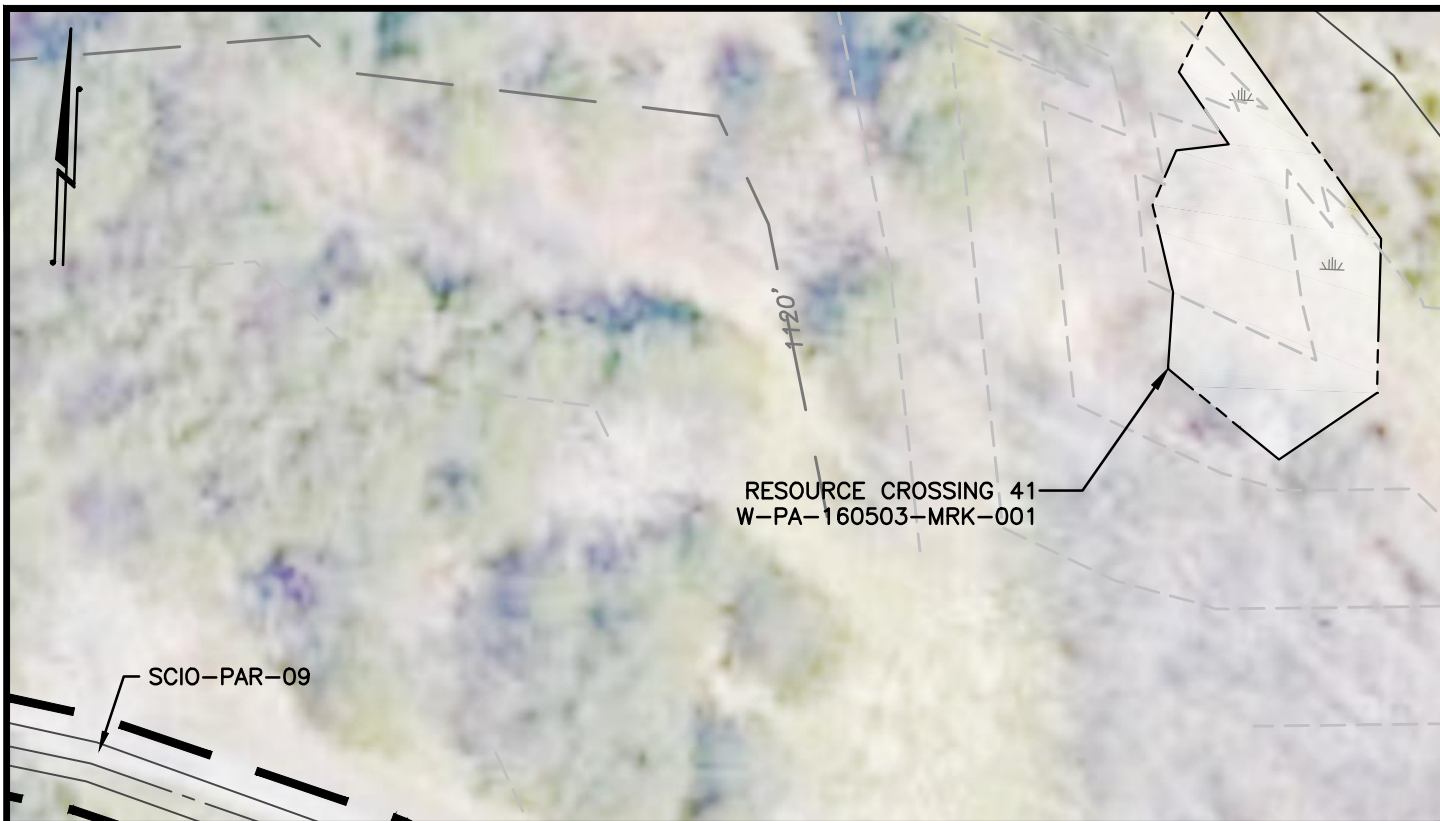
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

HOU-TAR-50 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

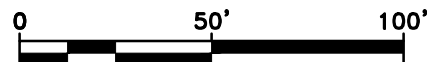
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM		
SCIO TO JUNCTION		
SS131 - RESOURCE CROSSING #40		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124595



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'

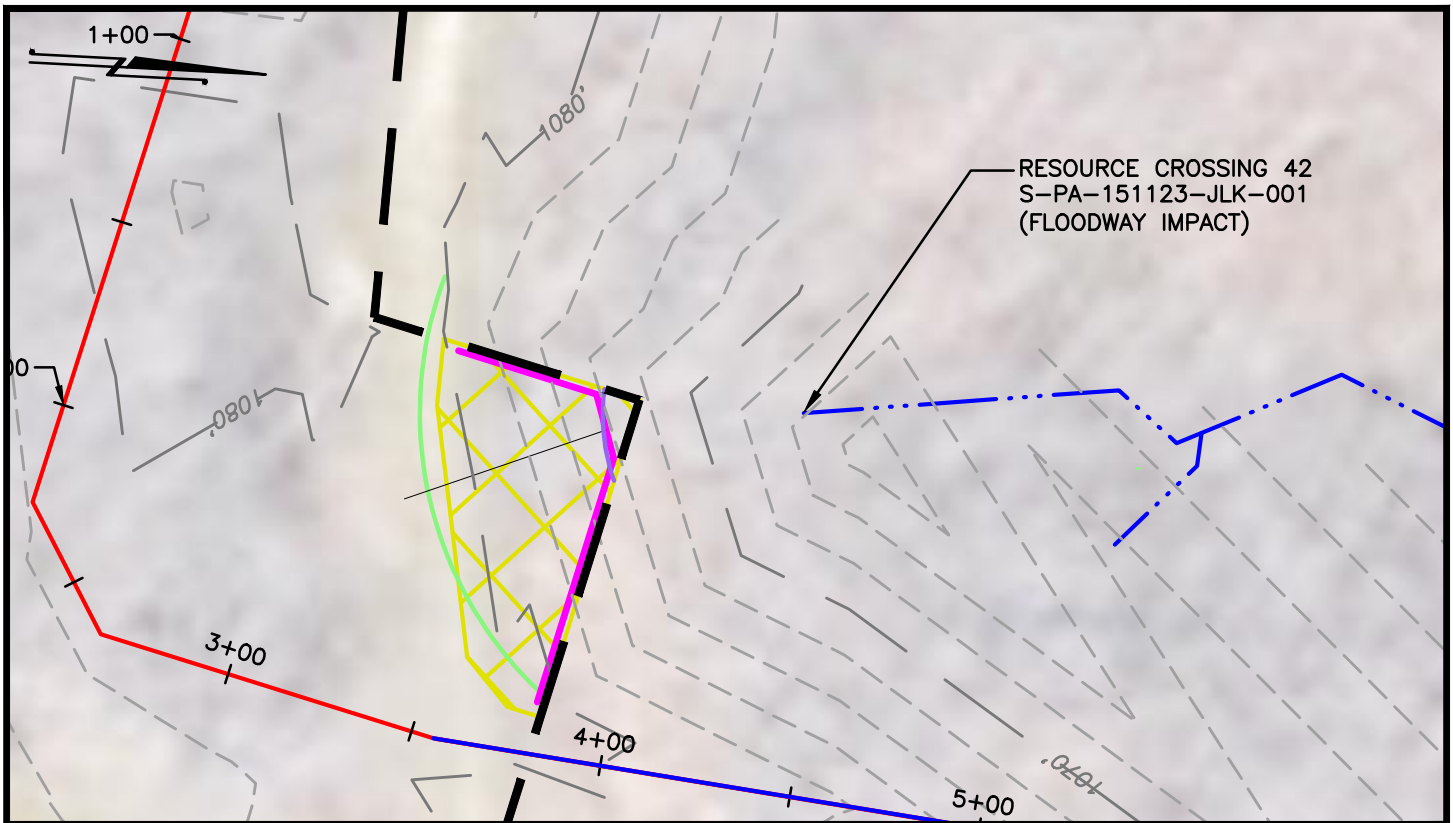
HOU-TAR-50 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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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

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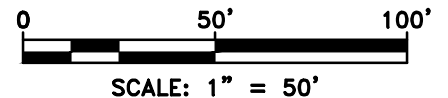
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SCIO TO JUNCTION	
SS132 - RESOURCE CROSSING #41	
RACCOON TOWNSHIP	
BEAVER COUNTY, PA	
DATE:	09/14/17
BY:	IMM
SPLC-GOM-AE-SA124596	
REV.	2

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\140-2-F01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 2:09 PM) Last Plotted: 2018-07-31 (7/31/2018 2:22 PM)



NOTES:

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.

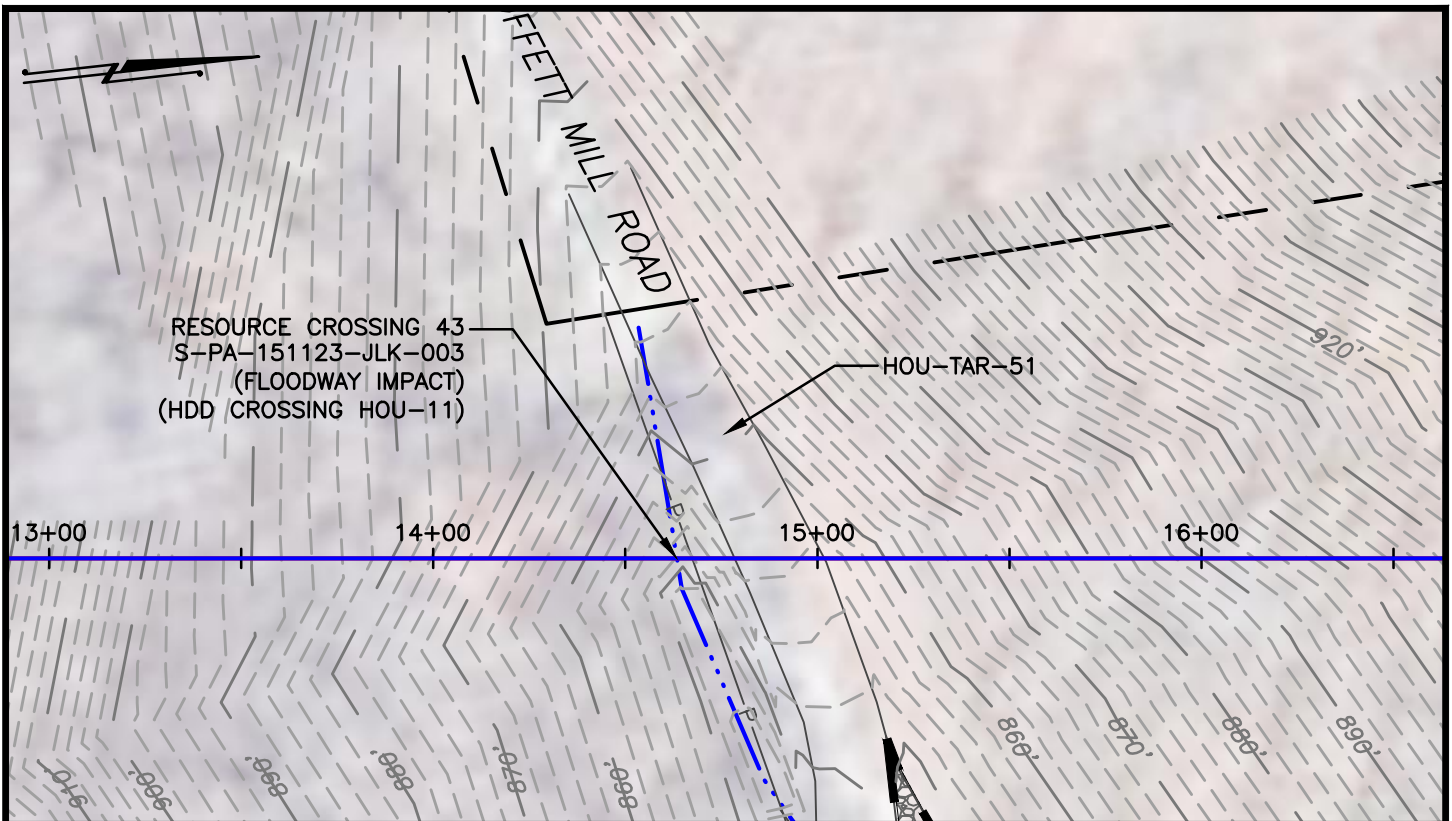


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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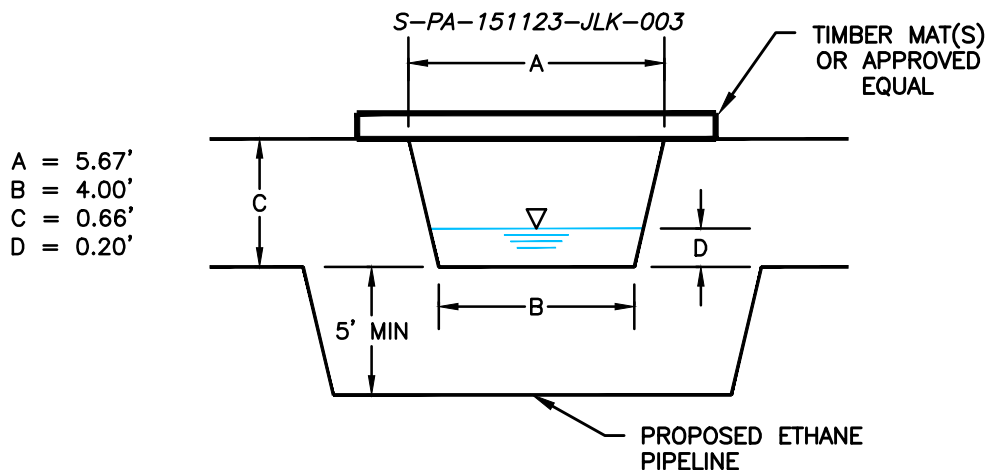
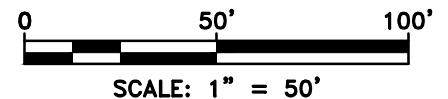
FALCON ETHANE PIPELINE SYSTEM	
SCIO TO JUNCTION	
SS133 - RESOURCE CROSSING #42	
RACCOON TOWNSHIP	
BEAVER COUNTY, PA	
DATE:	09/14/17
BY:	IMM
SPLC-GOM-AE-SA124597	
REV.	2

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NOTES:

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

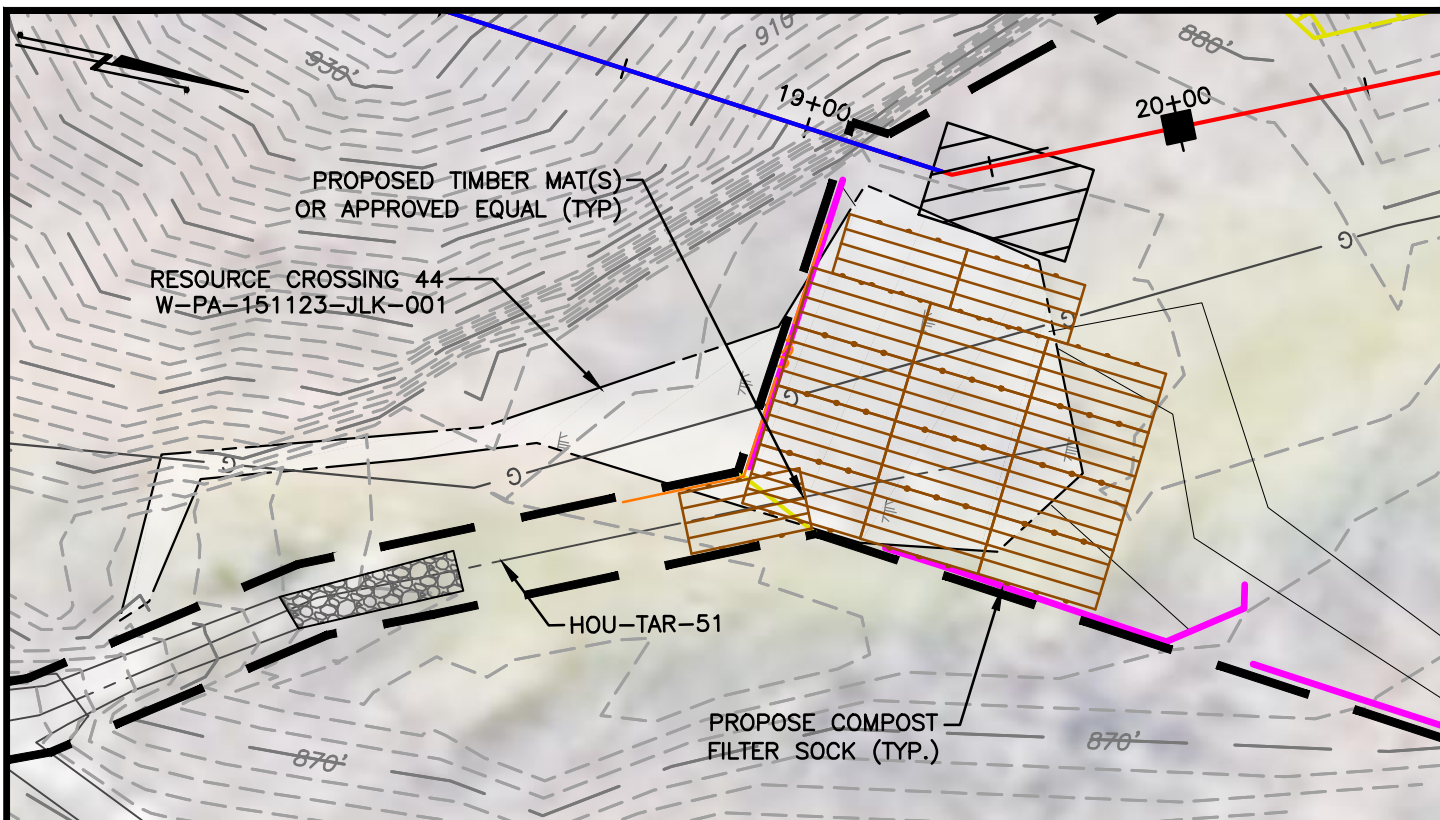


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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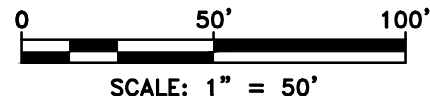
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS134 - RESOURCE CROSSING #43		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124598		

File name: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\142-1-W01.DWG
 Last saved by: TASHINA MCKINNEY (7/30/2018 2:28 PM) Last Plotted: 2018-07-31 (7/31/2018 2:25 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.
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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.



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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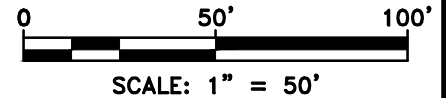
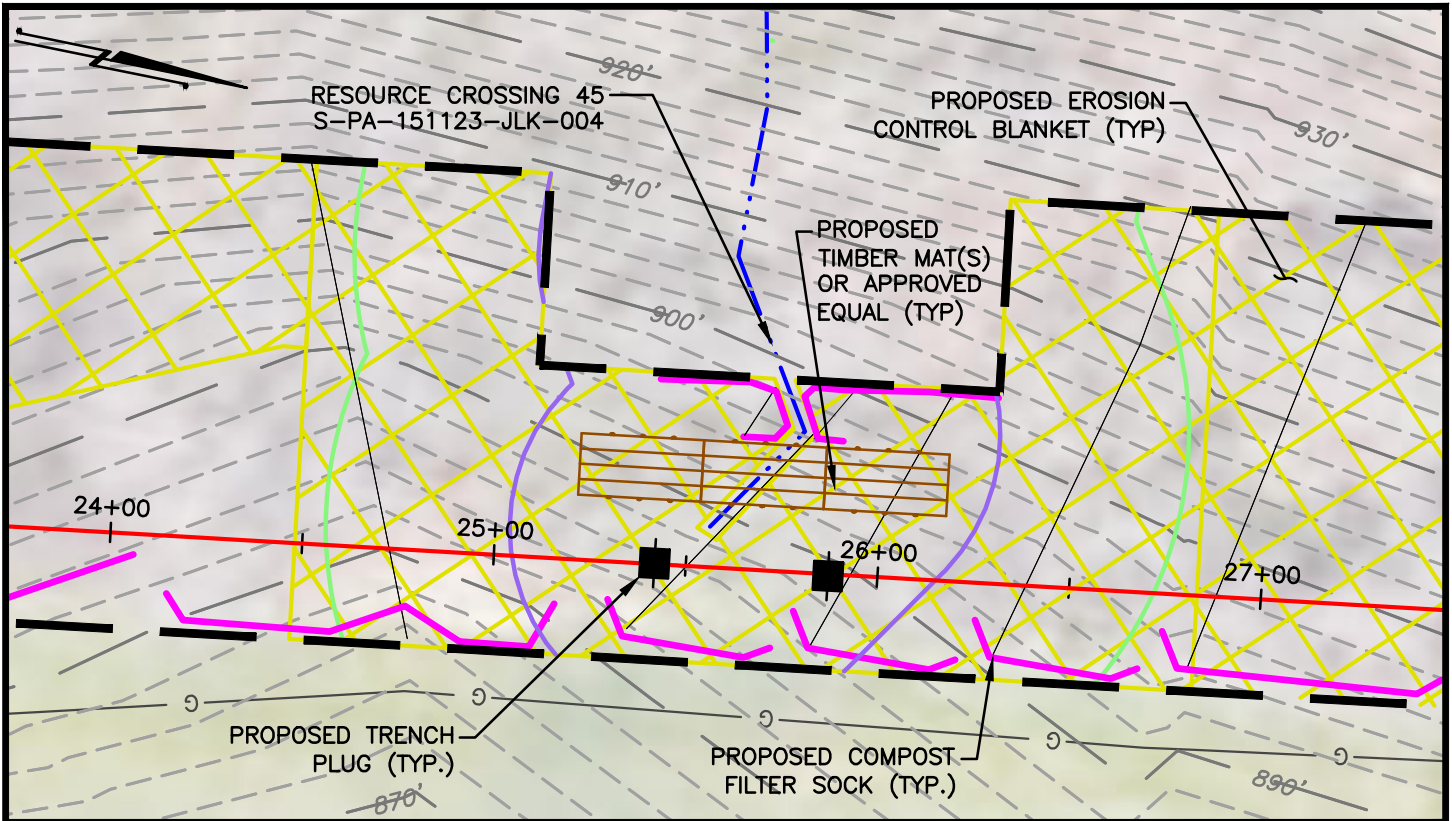
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS135 - RESOURCE CROSSING #44
 RACCOON TOWNSHIP
 BEAVER COUNTY, PA

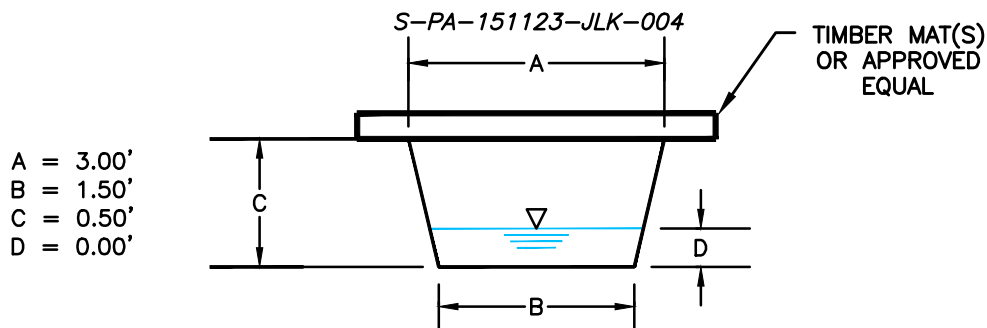
DATE:	09/14/17	SPLC-GOM-AE-SA124599	REV.
BY:	IMM		2

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 Last saved by: TASHINA.MCKINNEY (7/30/2018 2:19 PM) Last Plotted: 2018-07-31 (7/31/2018 2:26 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.
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.

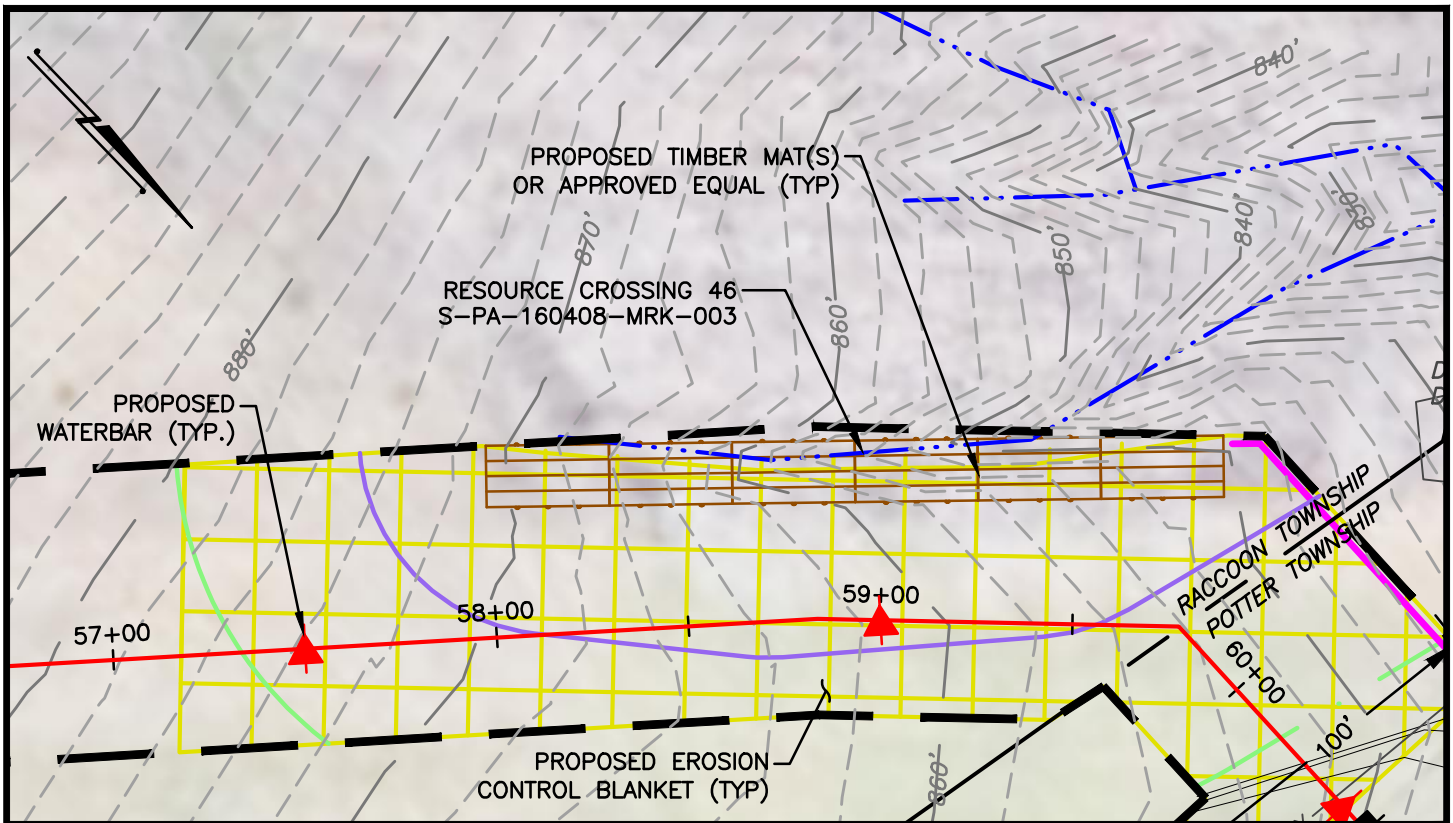


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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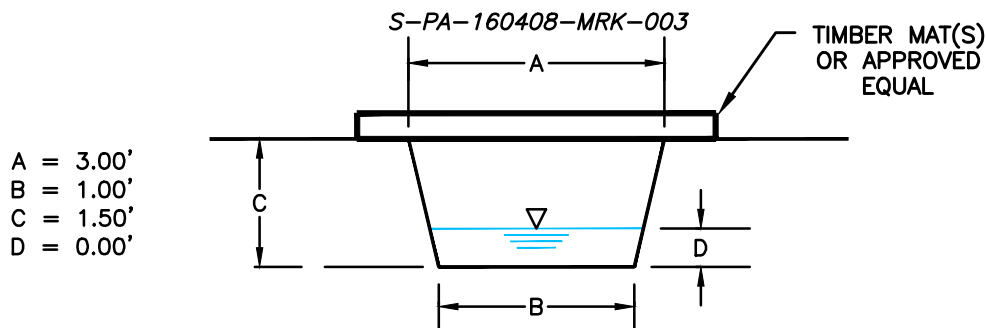
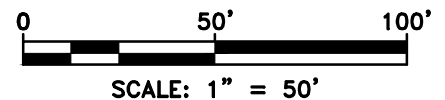
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS136 - RESOURCE CROSSING #45		
RACCOON TOWNSHIP BEAVER COUNTY,		PA
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124600

File: Y:\PROJECTS\1747\SHILL\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\145-1-S01.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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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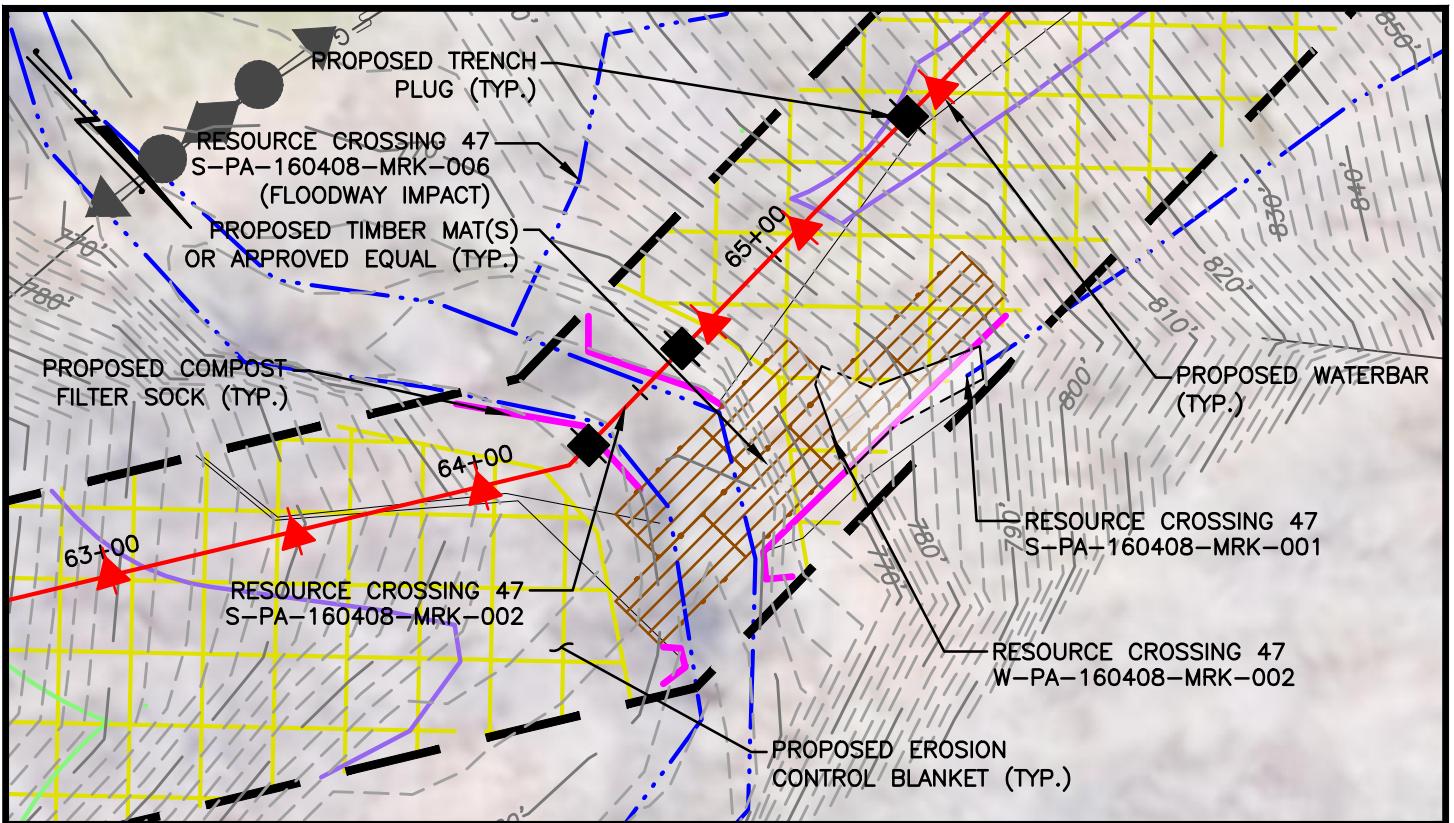
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS137 - RESOURCE CROSSING #46
RACCOON AND POTTER TOWNSHIP
BEAVER COUNTY, PA

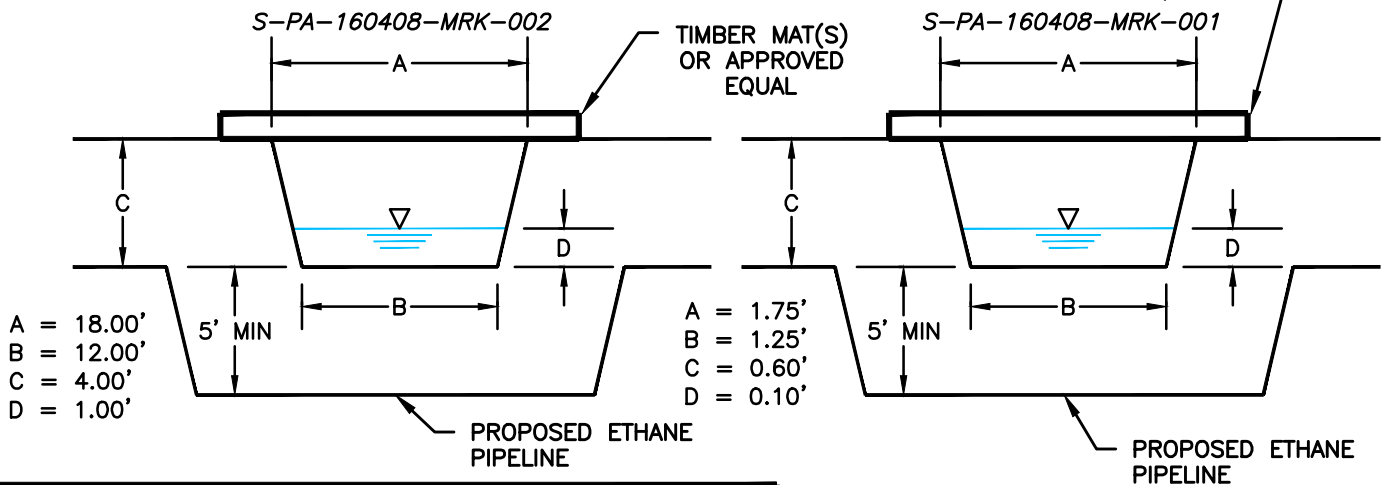
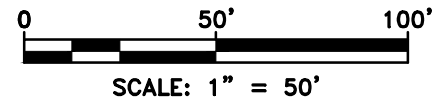
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BY:	IMM		2

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Last saved by: TASHINA.MCKINNEY (7/31/2018 10:30 AM) Last Plotted: 2018-07-31 (7/31/2018 2:28 PM)



NOTES:

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.



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
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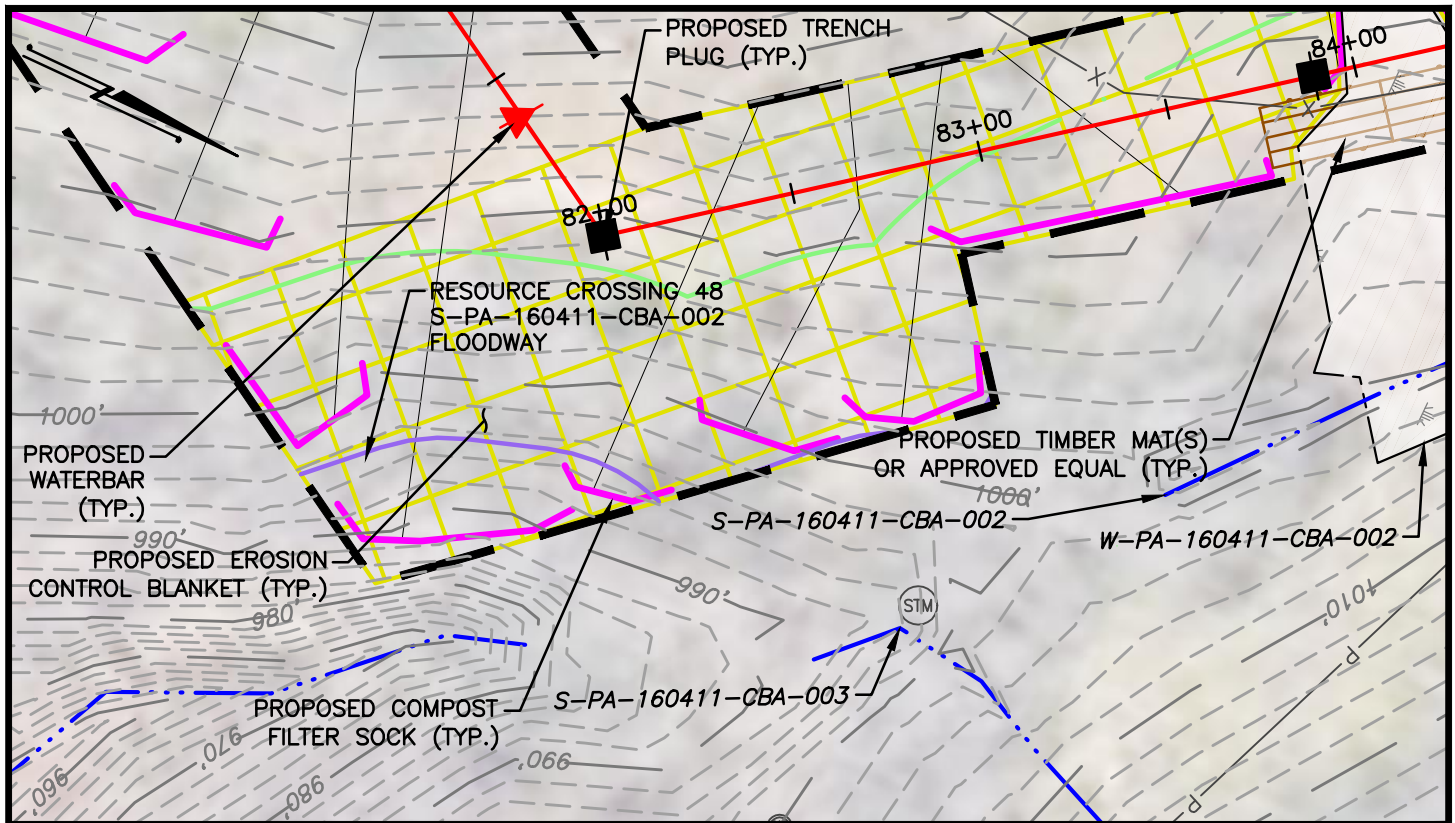
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
JUNCTION TO MONACA**

**SS138 - RESOURCE CROSSING #47
POTTER TOWNSHIP
BEAVER COUNTY, PA**

DATE:	09/14/17	SPLC-GOM-AE-SA124602	REV.
BY:	IMM		2

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\147-1-F01.DWG
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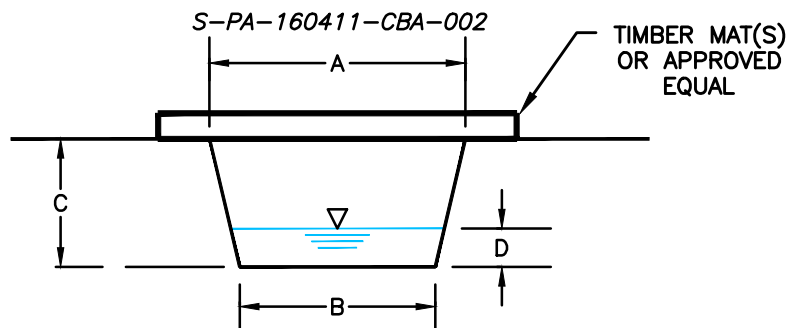
NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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 = 3.13'
 B = 1.50'
 C = 0.83'
 D = 0.20'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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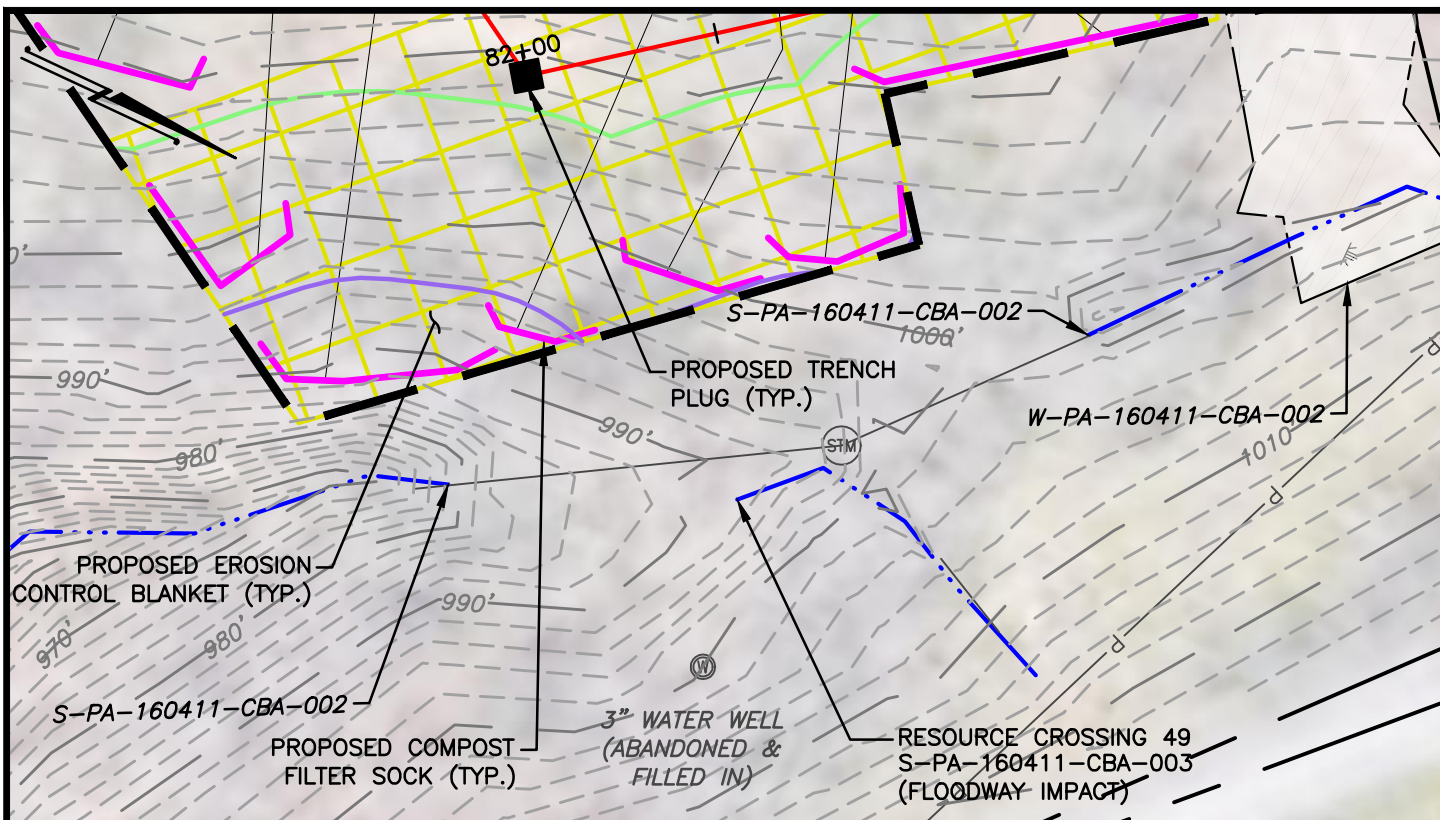
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS139 - RESOURCE CROSSING #48
POTTER TOWNSHIP
BEAVER COUNTY, PA

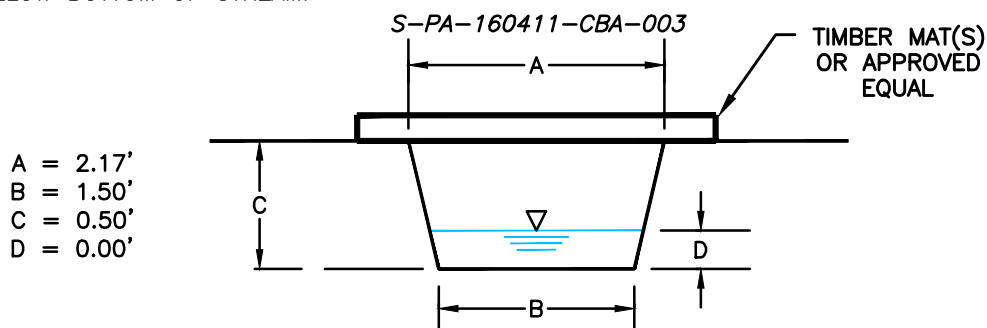
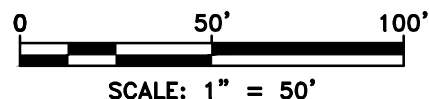
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NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

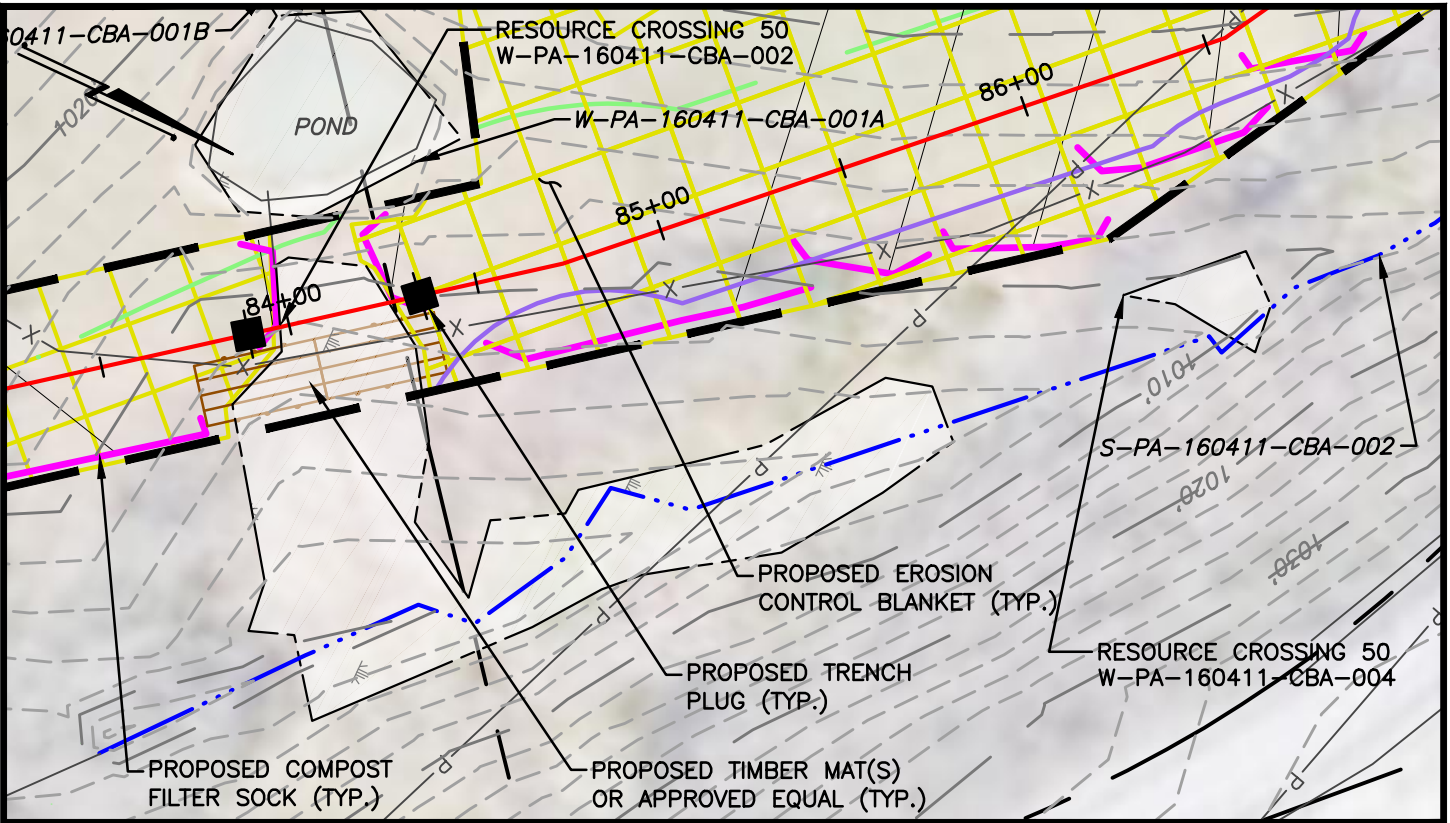
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM JUNCTION TO MONACA

SS140 - RESOURCE CROSSING #49
 POTTER TOWNSHIP
 BEAVER COUNTY, PA

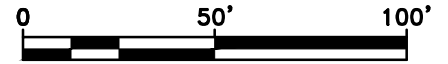
DATE:	09/14/17	SPLC-GOM-AE-SA124604	REV. 2
BY:	IMM		

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\147-3-W01_W02.DWG
Last saved by: TASHINA.MCKINNEY (7/30/2018 3:00 PM) Last Plotted: 2018-07-31 (7/31/2018 2:32 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.



SCALE: 1" = 50'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

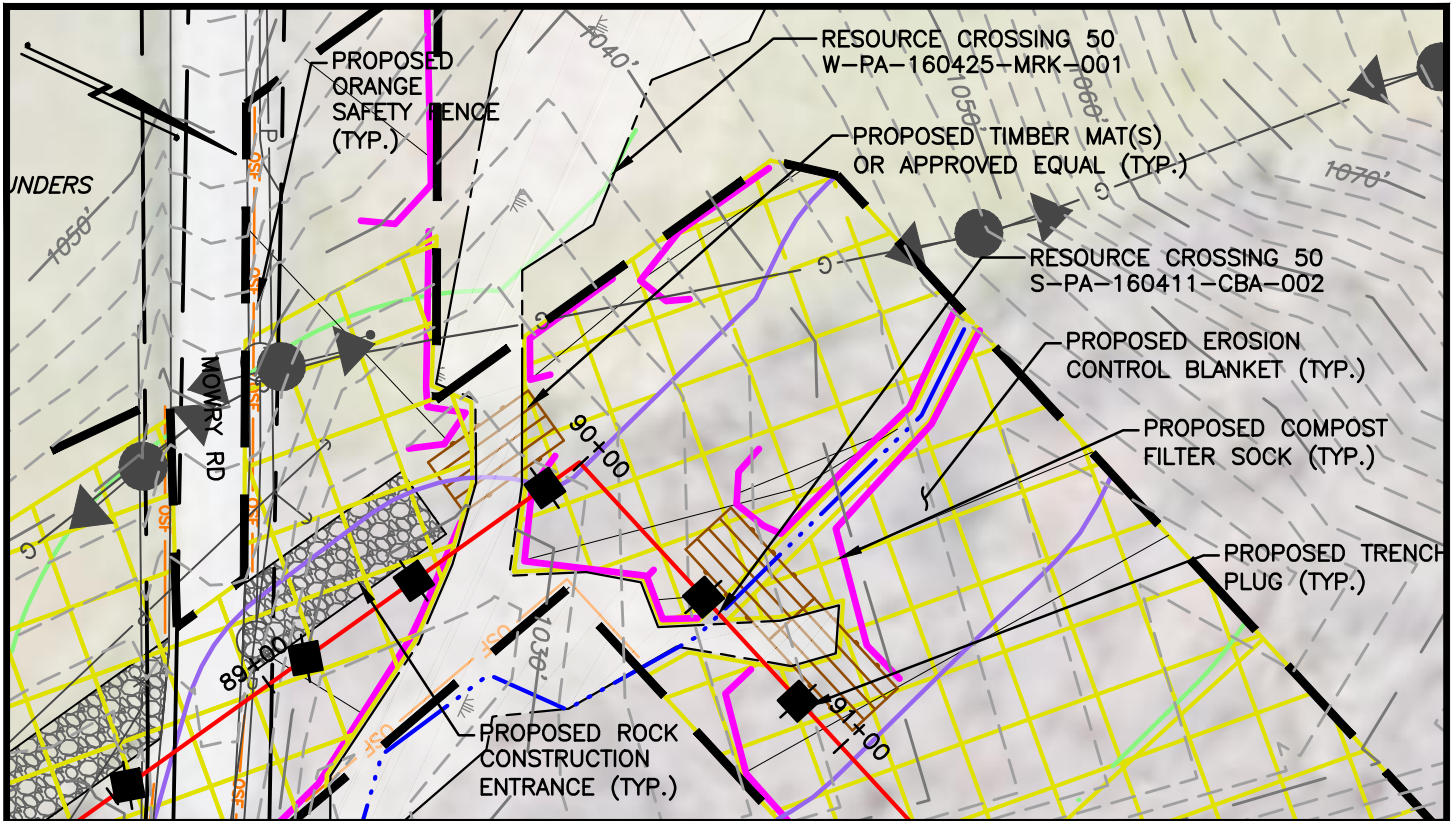
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

**FALCON ETHANE PIPELINE SYSTEM
JUNCTION TO MONACA**

**SS141 - RESOURCE CROSSING #50
POTTER TOWNSHIP
BEAVER COUNTY, PA**

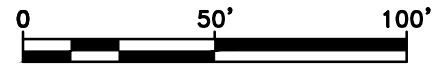
DATE:	09/14/17	SPLC-GOM-AE-SA124605	REV.
BY:	IMM		2

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Last saved by: TASHINA.MCKINNEY (7/30/2018 3:03 PM) Last Plotted: 2018-07-31 (7/31/2018 2:33 PM)



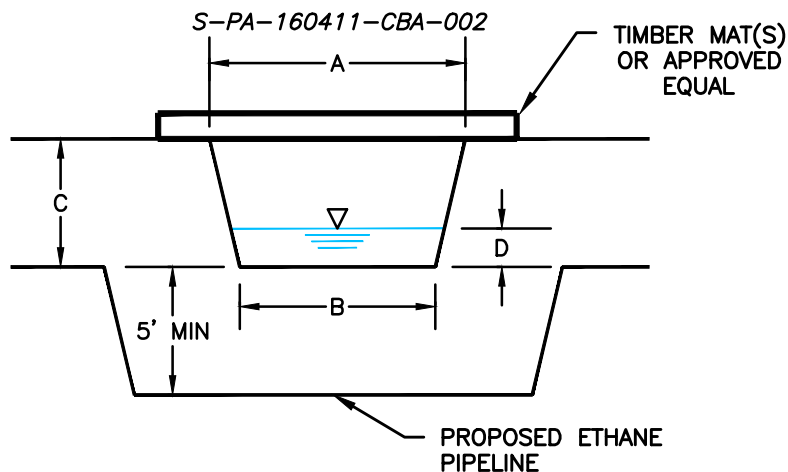
NOTES:

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.



SCALE: 1" = 50'

A = 3.13'
B = 1.50'
C = 0.83'
D = 0.20'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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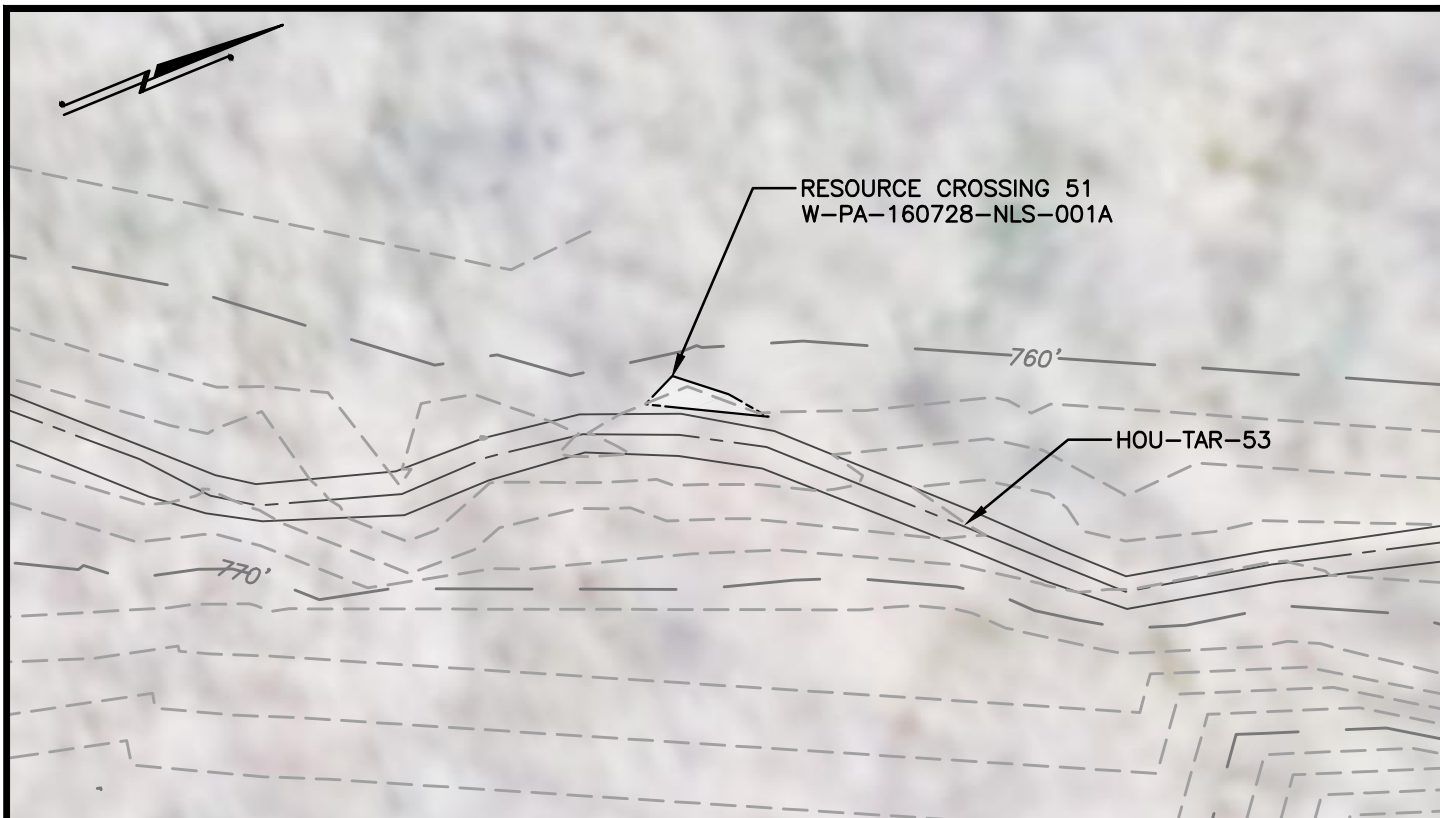
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS142 - RESOURCE CROSSING #50
POTTER TOWNSHIP
BEAVER COUNTY, PA

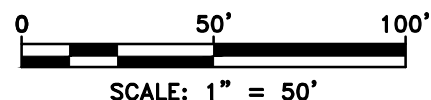
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BY:	IMM		2

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 Last saved by: CESARIOA (7/31/2018 8:54 AM)
 Last Plotted: 2018-07-31 (7/31/2018 2:34 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.



HOU-TAR-53 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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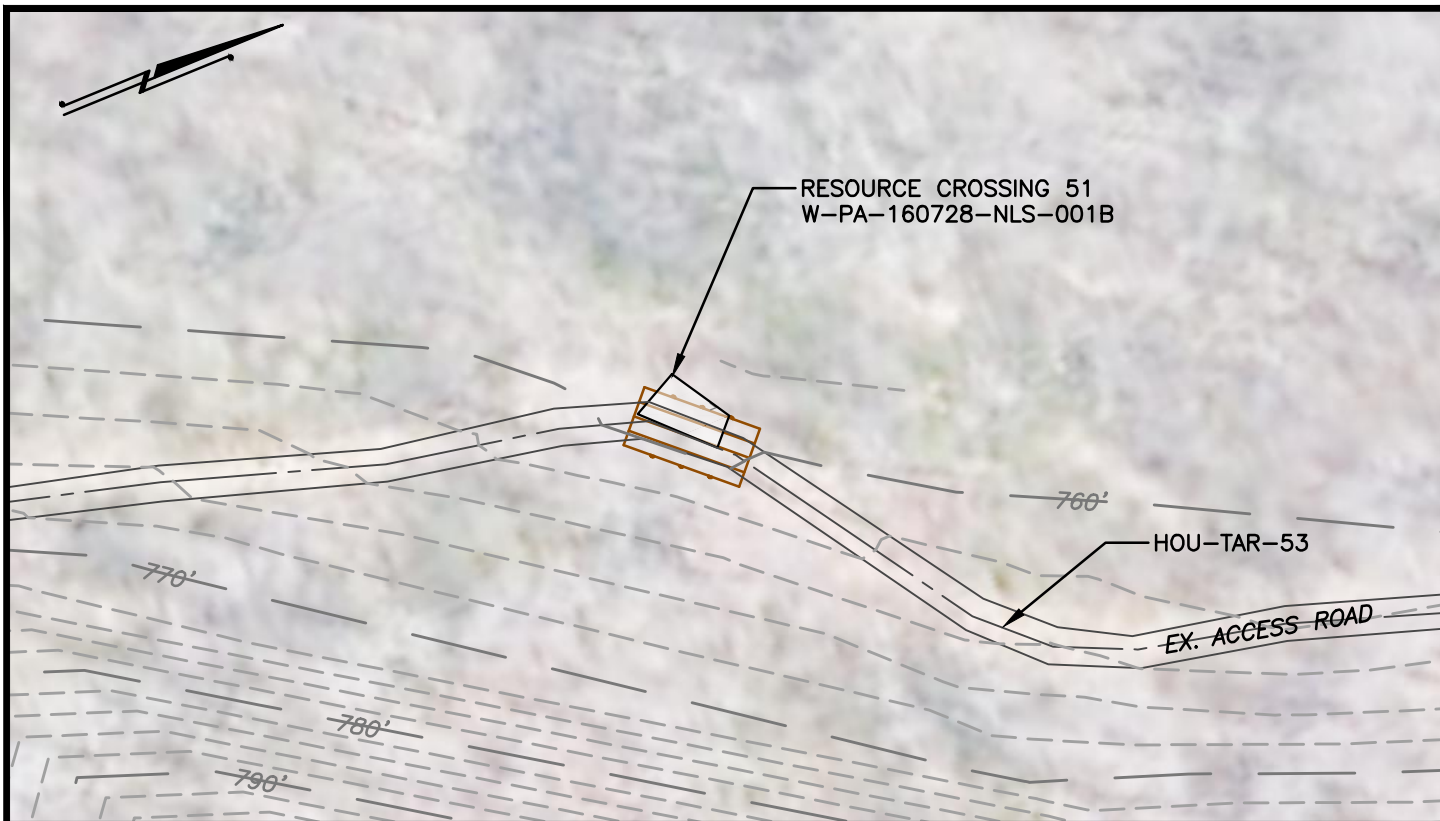
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS143 - RESOURCE CROSSING #51
POTTER TOWNSHIP
BEAVER COUNTY, PA

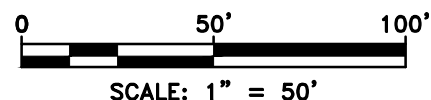
DATE:	09/14/17	SPLC-GOM-AE-SA124607	REV.
BY:	IMM		2

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 Last saved by: CESARIOA (7/31/2018 9:42 AM)
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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.



HOU-TAR-53 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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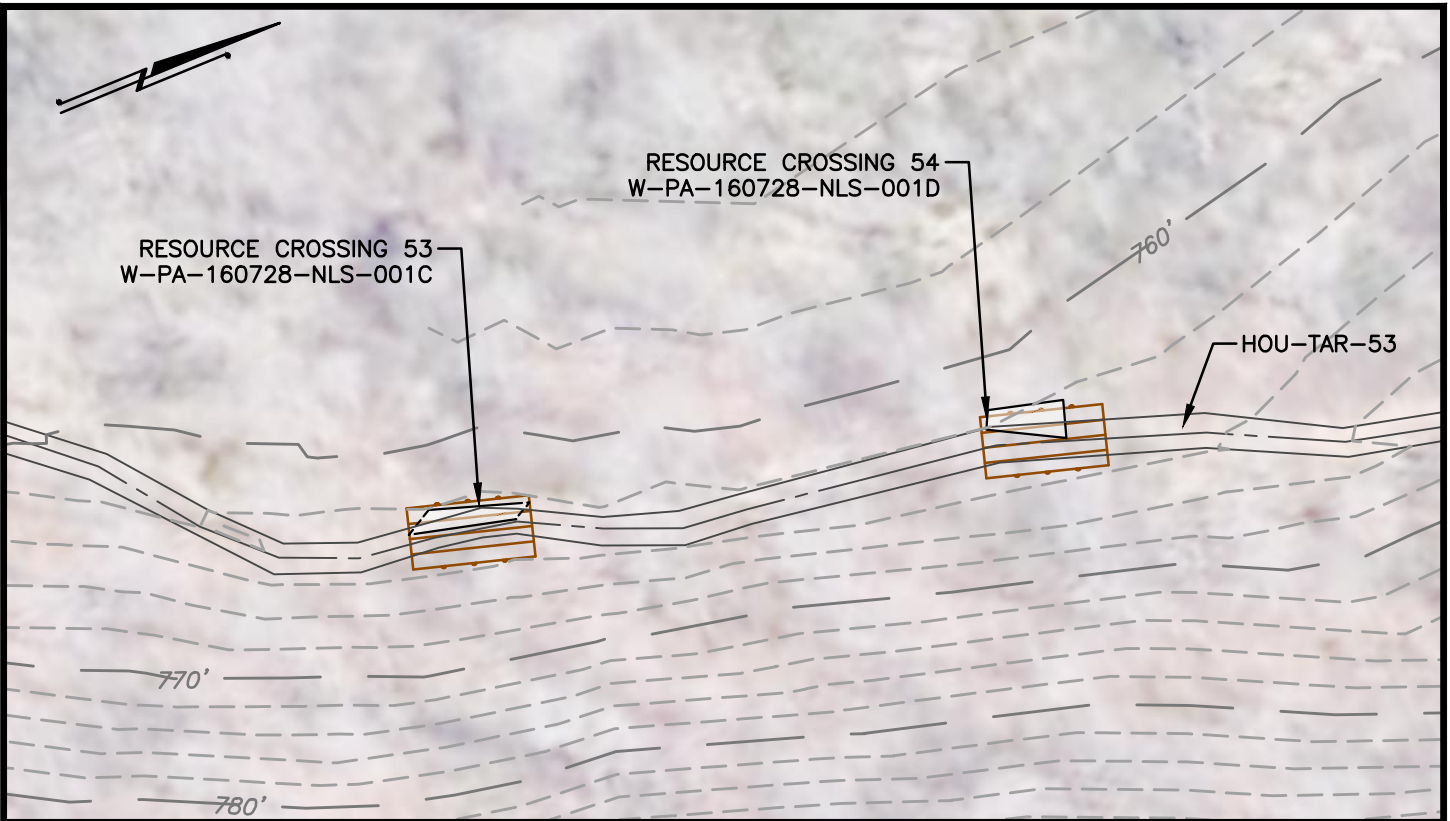
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS144 - RESOURCE CROSSING #52
POTTER TOWNSHIP
BEAVER COUNTY, PA

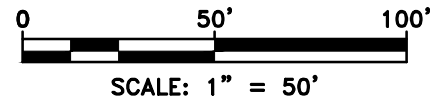
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BY:	IMM		2

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Last saved by: CESARIOA (7/31/2018 9:42 AM) Last Plotted: 2018-07-31 (7/31/2018 2:36 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.



HOU-TAR-53 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THESE RESOURCES.

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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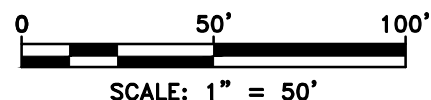
FALCON ETHANE PIPELINE SYSTEM	
JUNCTION TO MONACA	
SS145 - RESOURCE CROSSING #53 & #54	
POTTER TOWNSHIP BEAVER COUNTY, PA	
DATE:	09/14/17
BY:	IMM
SPLC-GOM-AE-SA124609	
REV.	2

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\148B-4-W05.DWG
 Last saved by: CESARIOA (7/31/2018 9:42 AM)
 Last Plotted: 2018-07-31 (7/31/2018 2:37 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.



HOU-TAR-53 HAS BEEN REMOVED FROM THE PROJECT. THERE ARE NO IMPACTS TO THIS RESOURCE.

2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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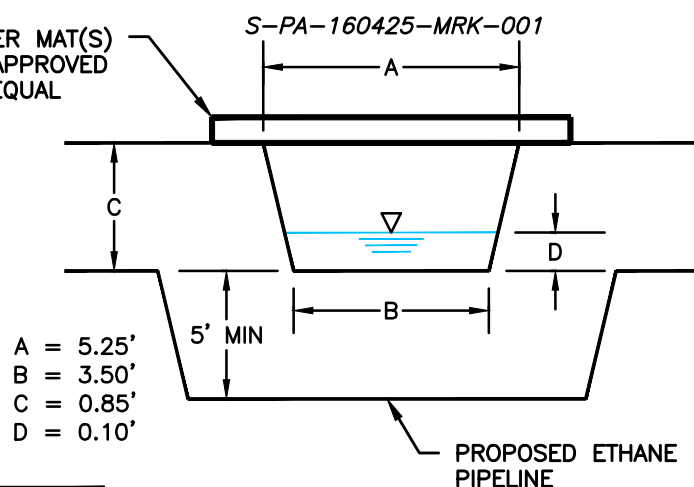
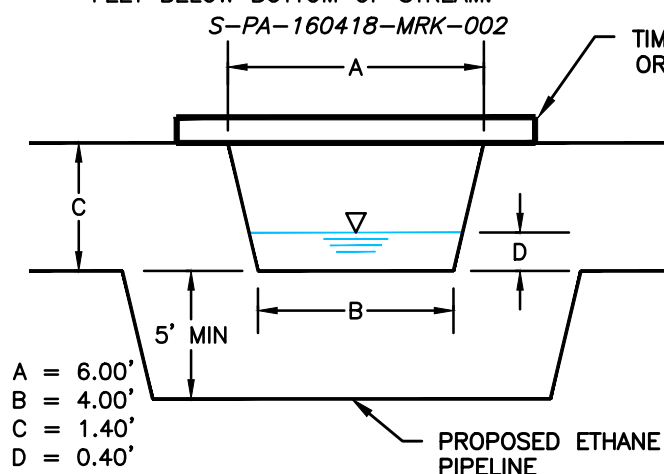
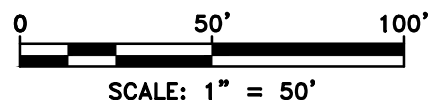
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS146 - RESOURCE CROSSING #55
POTTER TOWNSHIP
BEAVER COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124610	REV.
BY:	IMM		2

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.



2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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FALCON ETHANE PIPELINE SYSTEM
JUNCTION TO MONACA

SS147A - RESOURCE CROSSING #56
POTTER TOWNSHIP
BEAVER COUNTY, PA

PA

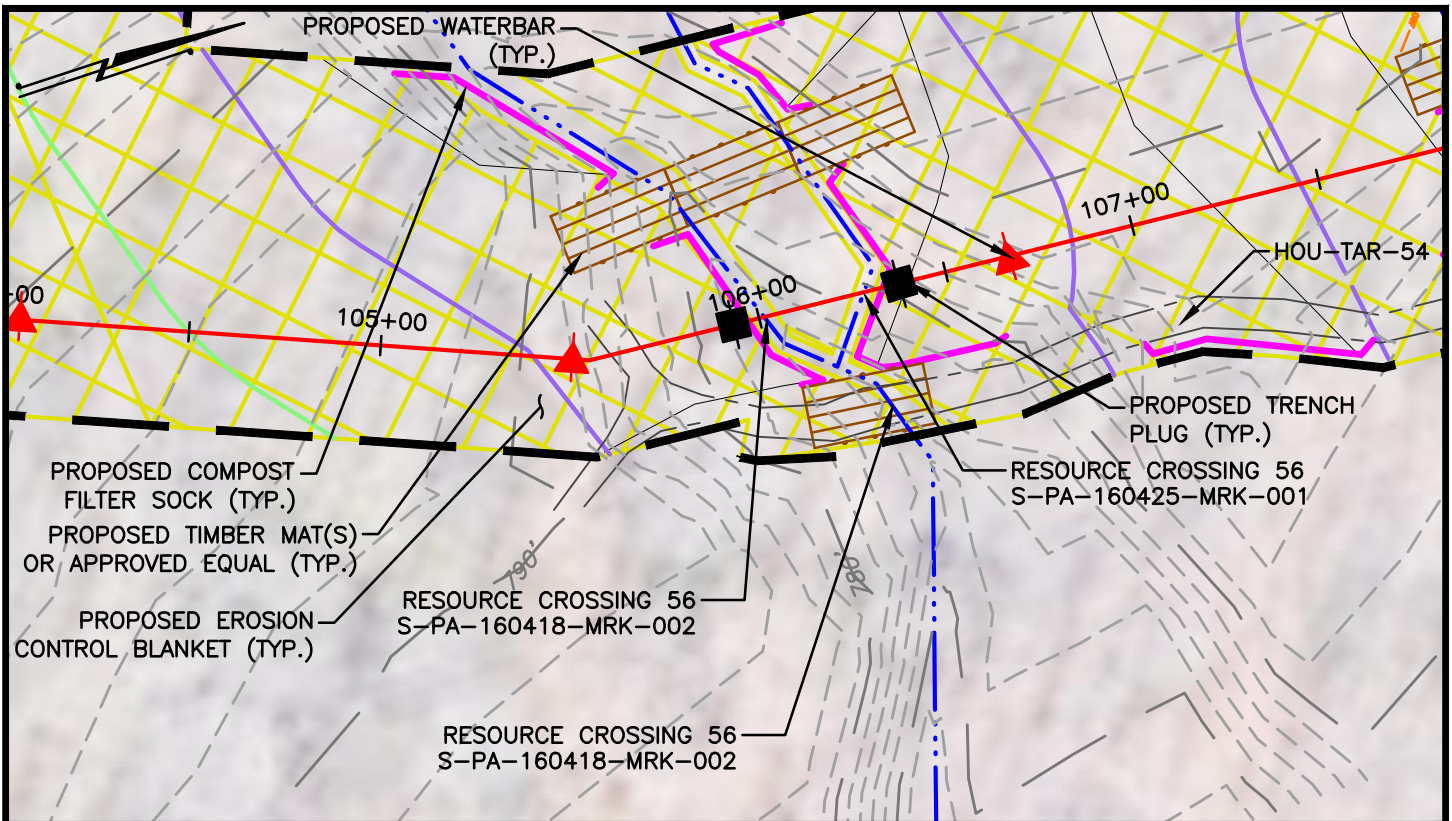
DATE: 09/14/17

BY:	IMM
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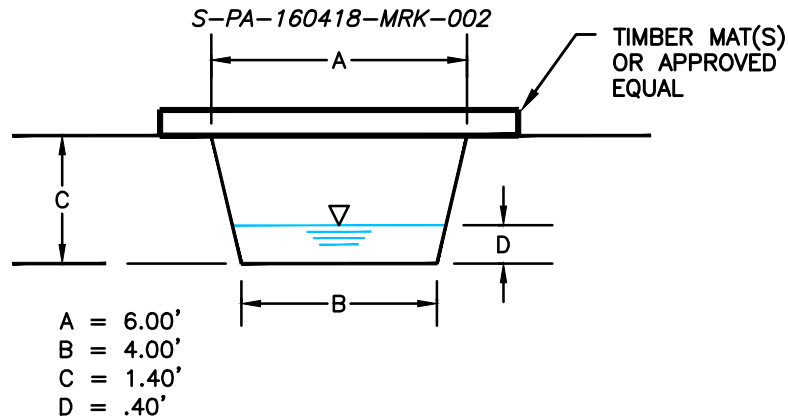
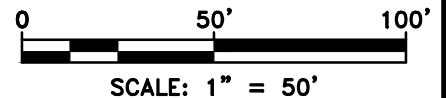
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NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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.



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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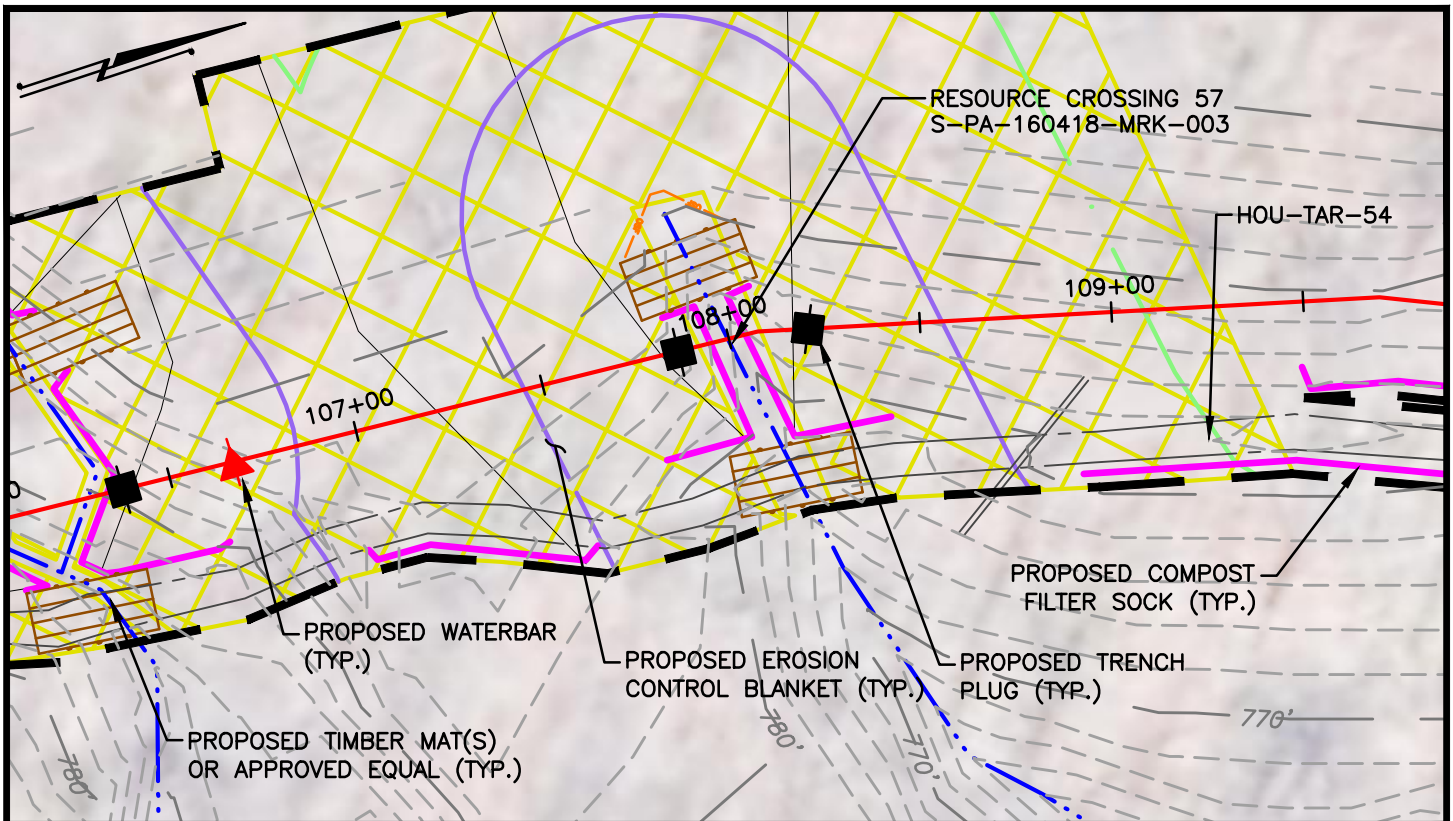
FALCON ETHANE PIPELINE SYSTEM

SCIO TO JUNCTION

SS147B - RESOURCE CROSSING #56
POTTER TOWNSHIP
BEAVER COUNTY, PA

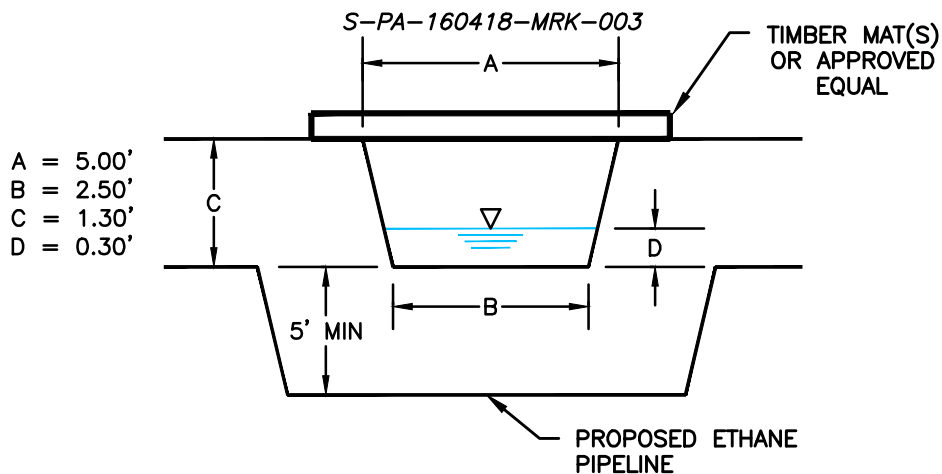
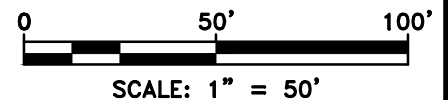
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BY:	IMM		2

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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.

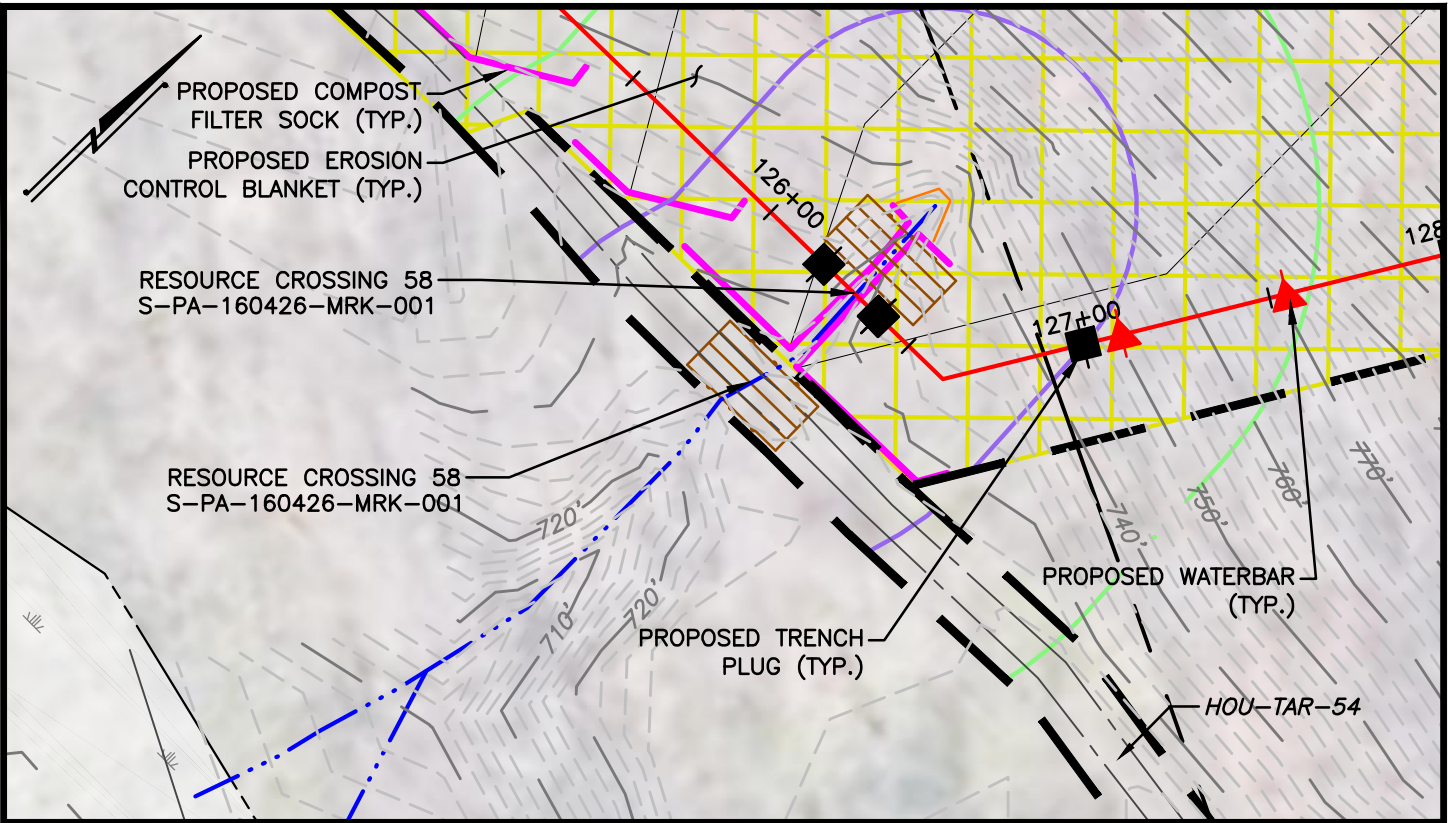


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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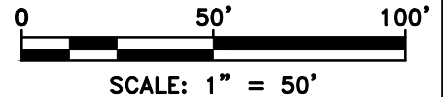
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS148 - RESOURCE CROSSING #57		PA
POTTER TOWNSHIP		
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124612		

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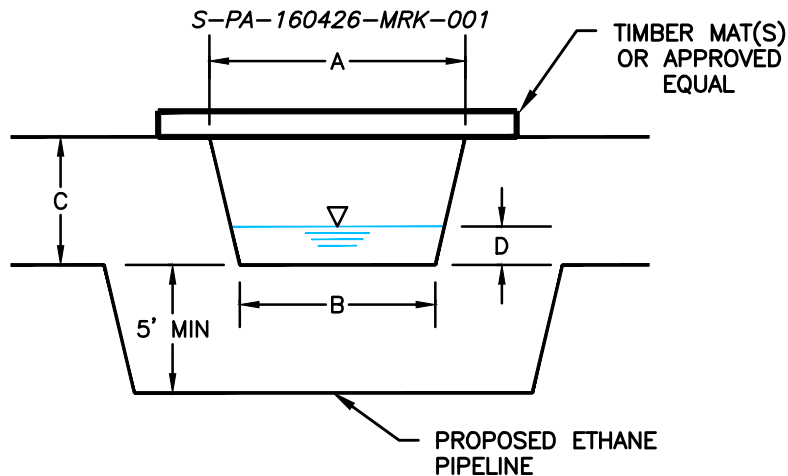


NOTES:

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



A = 5.00'
B = 3.00'
C = 1.20'
D = 0.20'

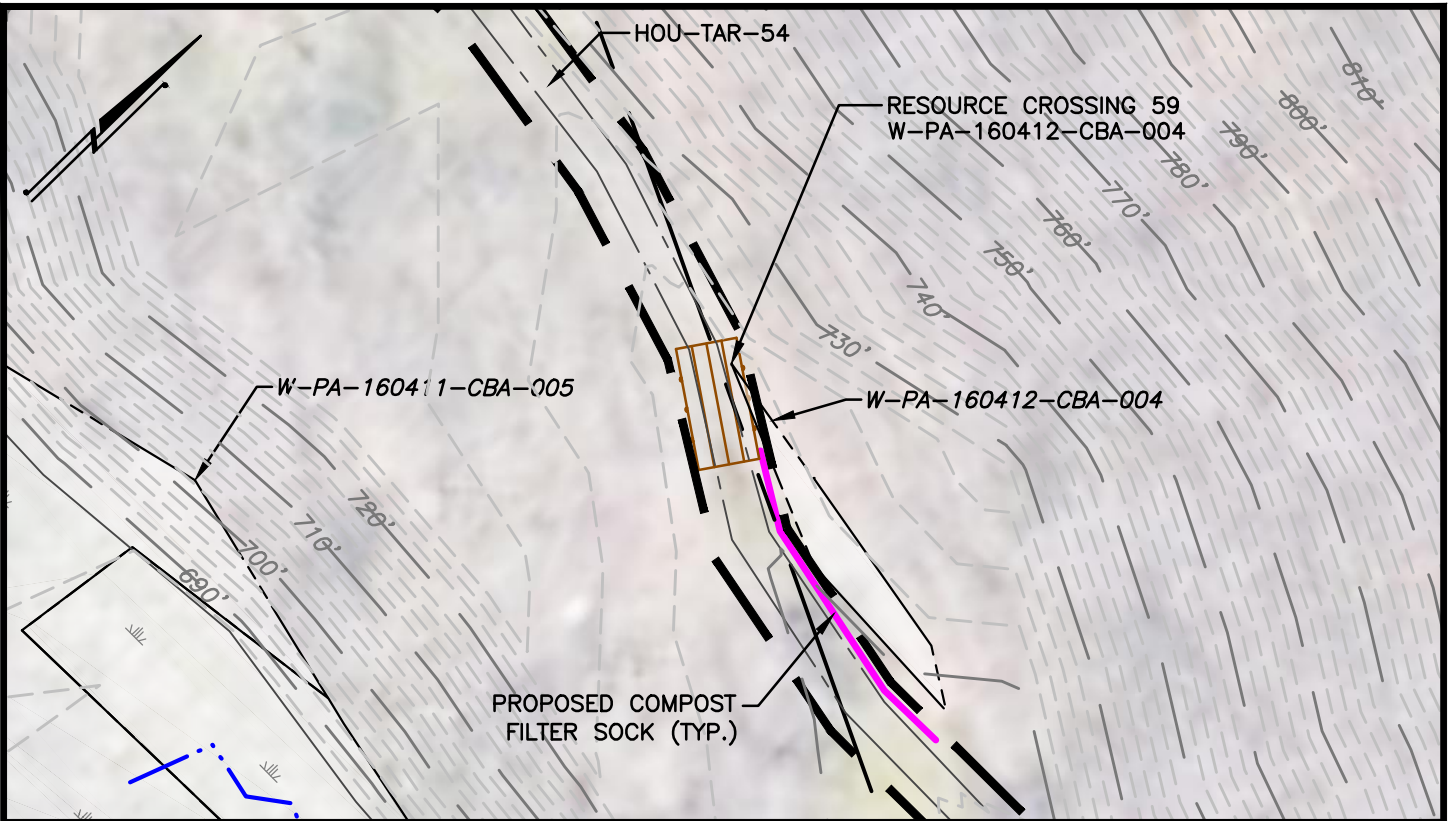


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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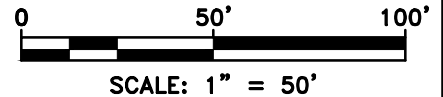
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS149 - RESOURCE CROSSING #58		
POTTER TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124613

Filename: Y:\PROJECTS\1747\SHELL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\151-2-W01.DWG
Last saved by: TASHINA MCKINNEY (7/30/2018 4:21 PM) Last Plotted: 2018-07-31 (7/31/2018 2:42 PM)



NOTES:

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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.

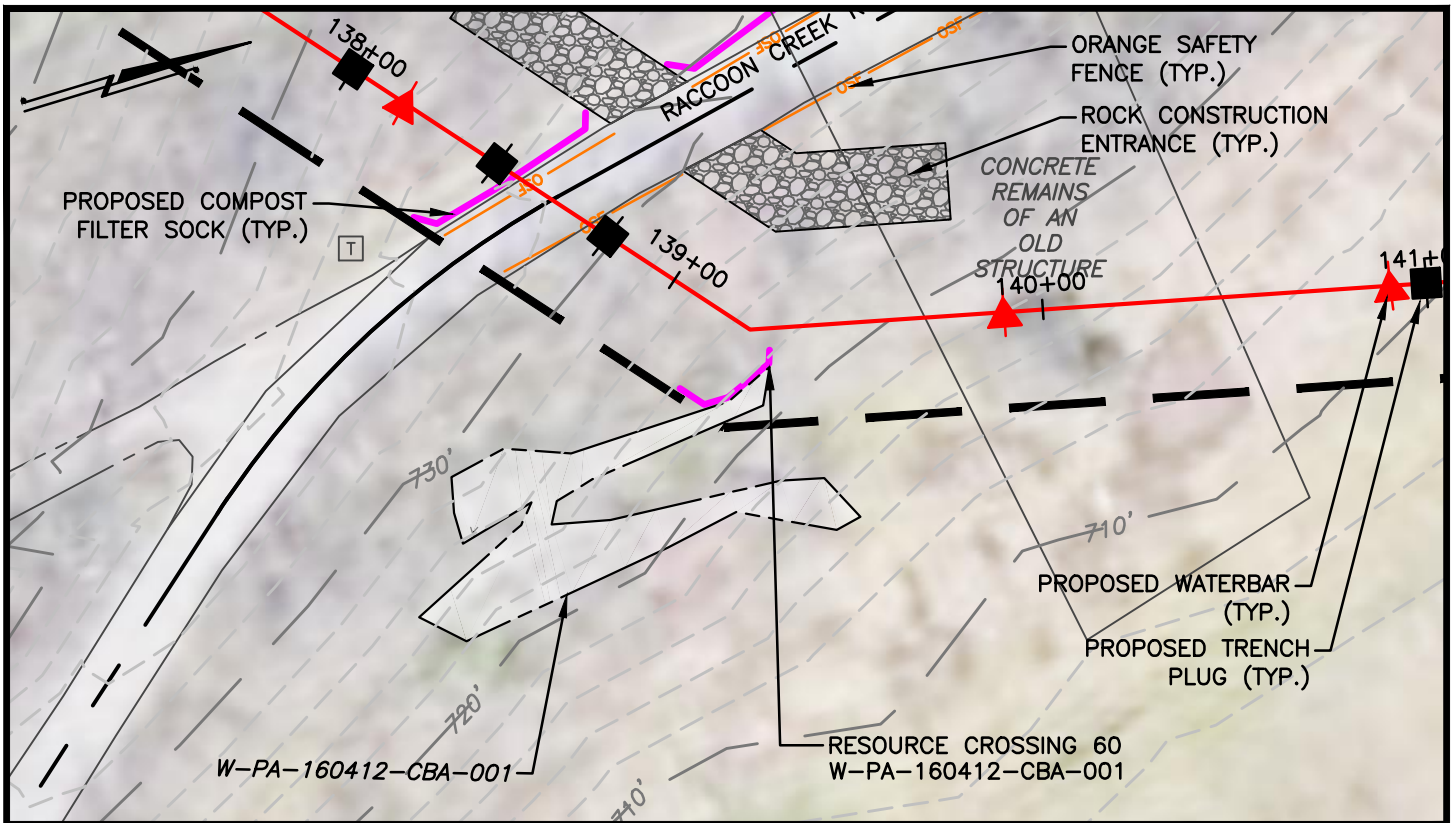


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2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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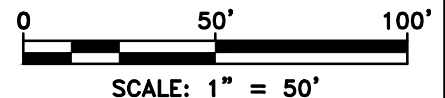
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS150 - RESOURCE CROSSING #59		
POTTER TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124614

Filename: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\152-1-1-W01.DWG
 Last saved by: TASHINA.MCKINNEY (7/30/2018 4:24 PM) Last Plotted: 2018-07-31 (7/31/2018 2:43 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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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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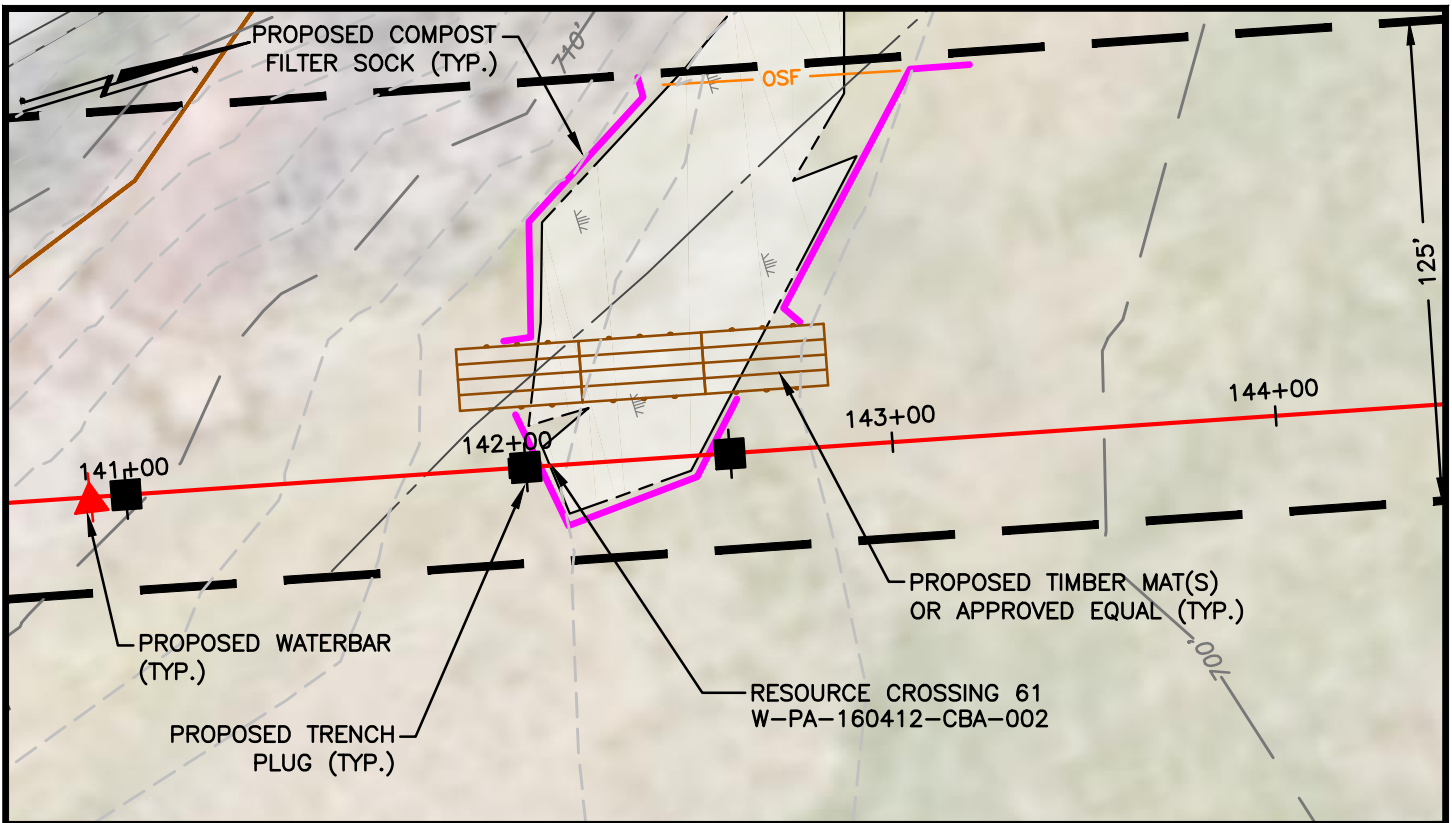
FALCON ETHANE PIPELINE SYSTEM

JUNCTION TO MONACA

SS151 - RESOURCE CROSSING #60
POTTER TOWNSHIP
BEAVER COUNTY, PA

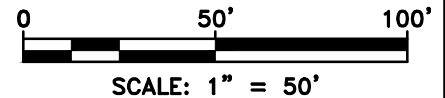
DATE:	09/14/17	SPLC-GOM-AE-SA124615	REV.
BY:	IMM		2

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Last saved by: TASHINA.MCKINNEY (7/30/2018 4:27 PM) Last Plotted: 2018-07-31 (7/31/2018 2:44 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.
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
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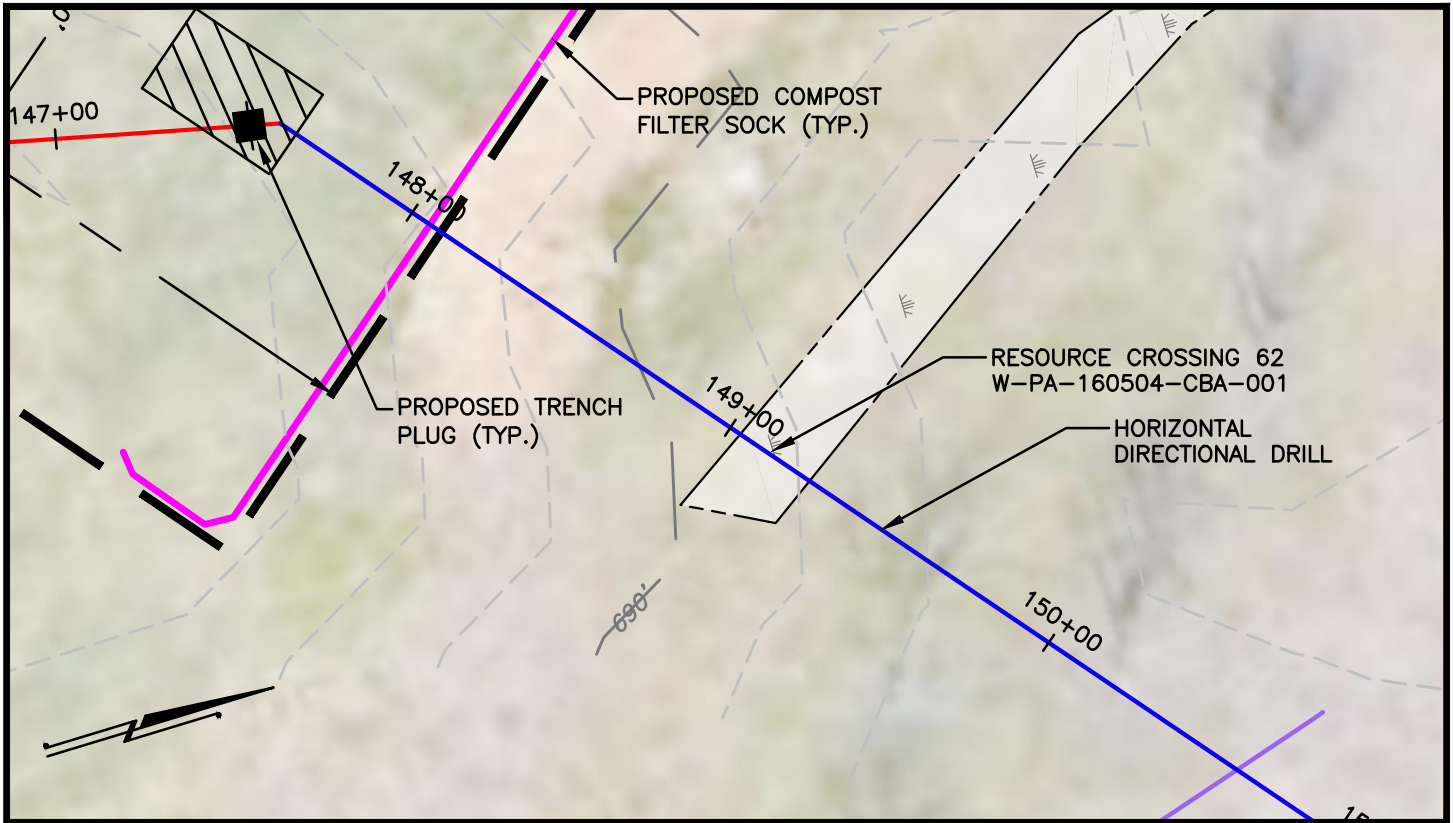
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
JUNCTION TO MONACA**

**SS152 - RESOURCE CROSSING #61
POTTER TOWNSHIP
BEAVER COUNTY, PA**

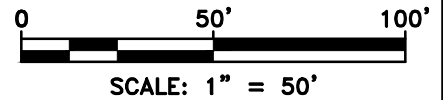
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BY:	IMM		2

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Last saved by: TASHINA.MCKINNEY (7/30/2018 4:30 PM) Last Plotted: 2018-07-31 (7/31/2018 2:45 PM)



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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
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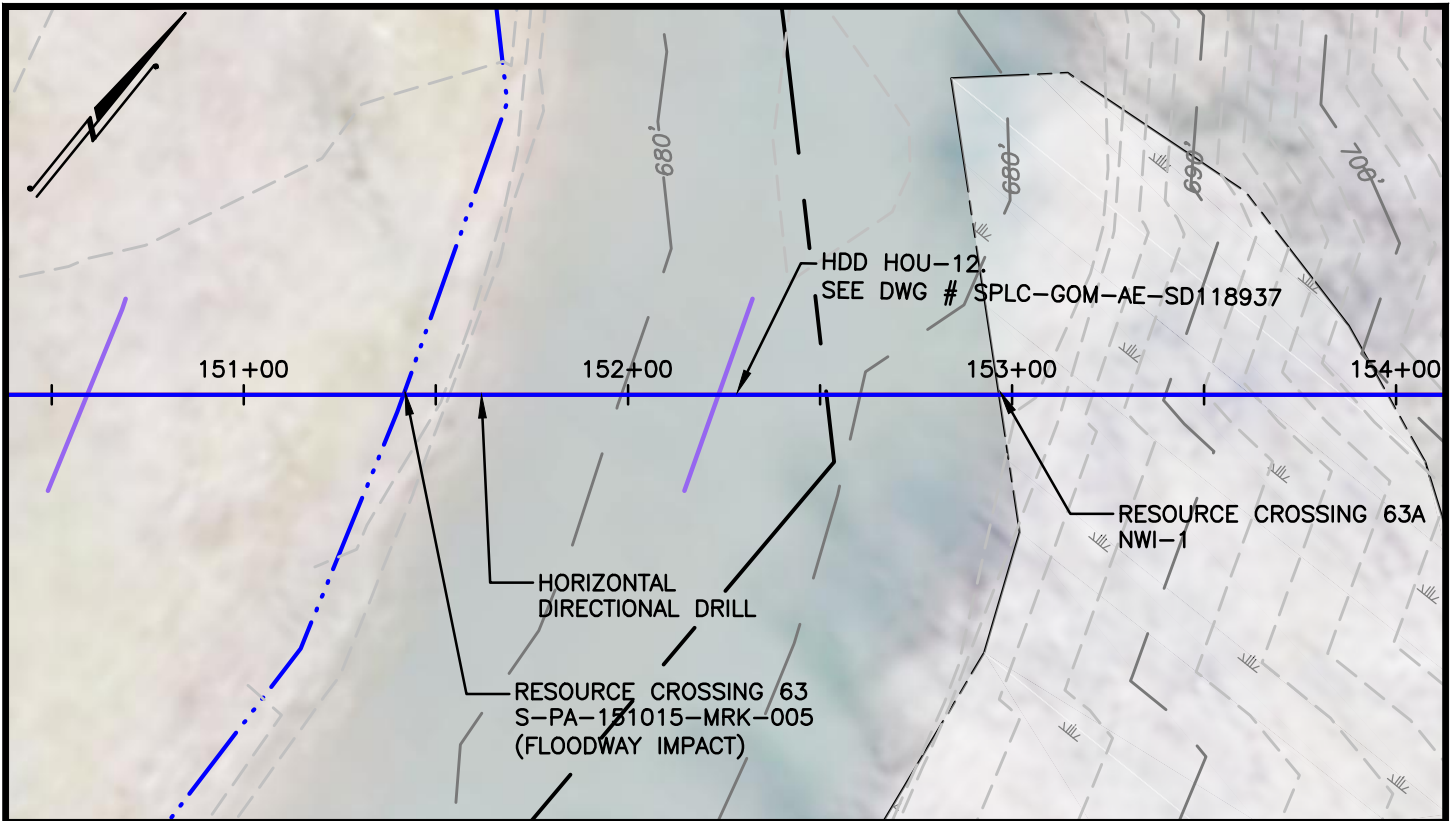
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY AS A RESULT OF RELIANCE THEREON.

**FALCON ETHANE PIPELINE SYSTEM
JUNCTION TO MONACA**

SS153 - RESOURCE CROSSING #62
POTTER TOWNSHIP
BEAVER COUNTY, PA

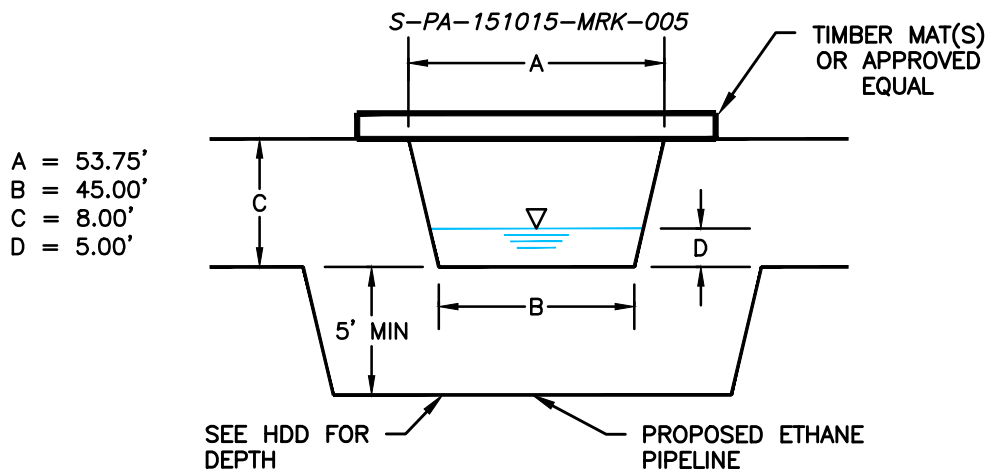
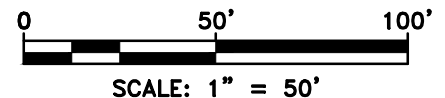
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BY:	IMM		2

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\153-1-S01.DWG
Last saved by: IAN.M.MOORE (7/31/2018 3:20 PM) Last Plotted: 2018-07-31 (7/31/2018 3:31 PM)



NOTES:

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.

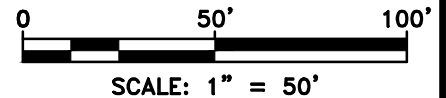
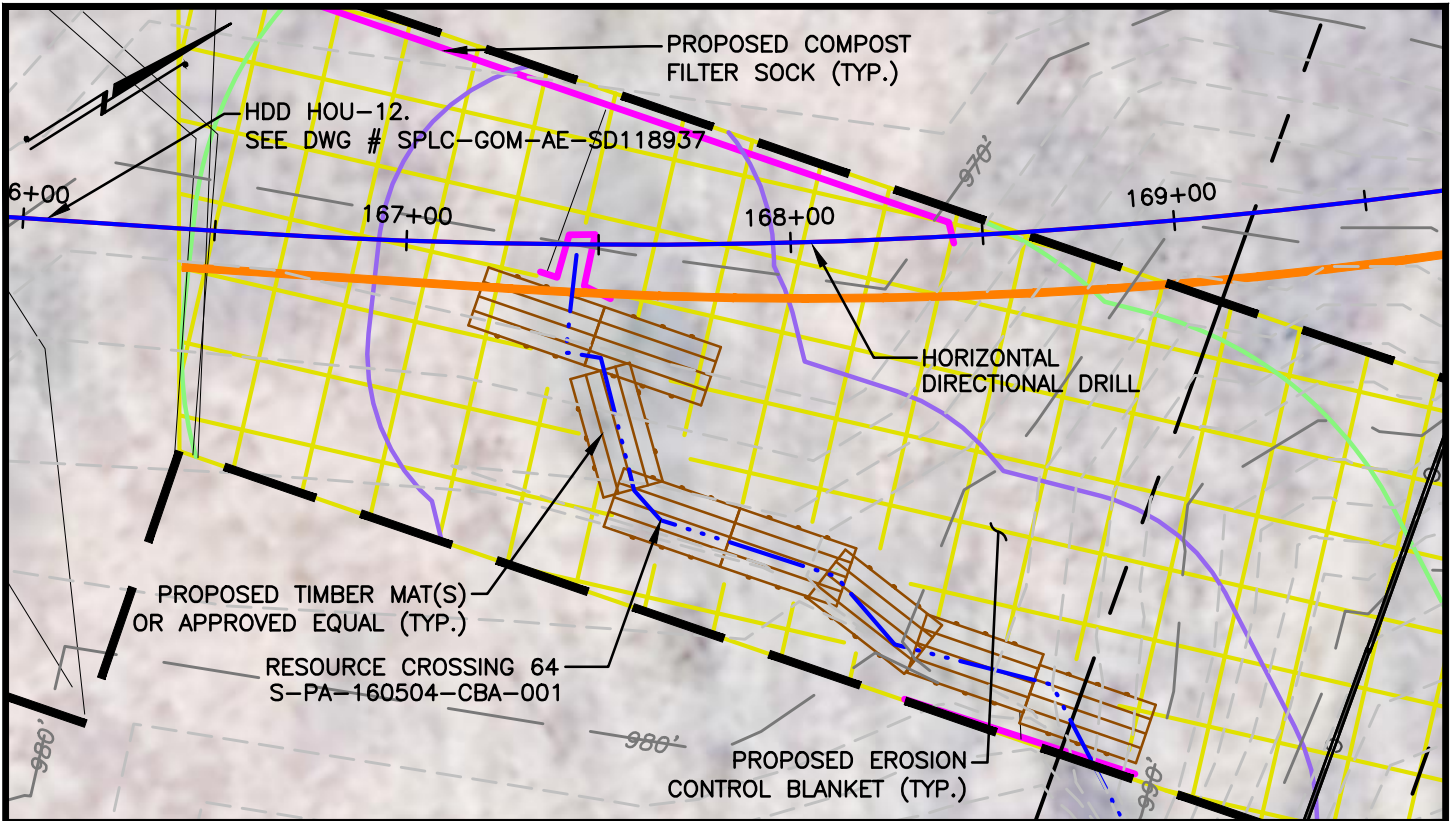


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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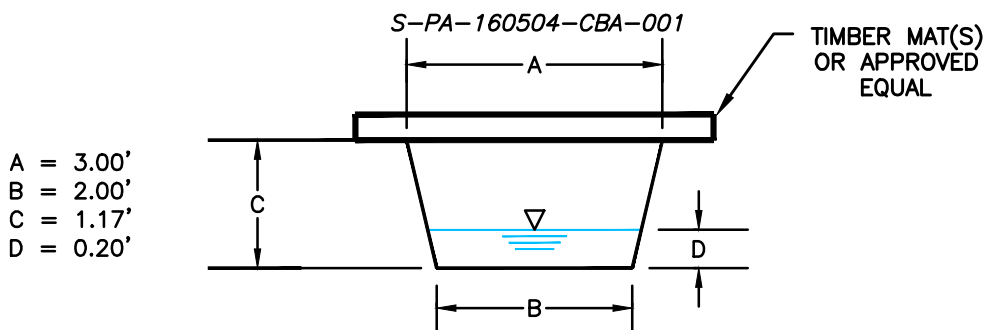
FALCON ETHANE PIPELINE SYSTEM			
JUNCTION TO MONACA			
SS154 - RESOURCE CROSSING #63 & #63A			
POTTER TOWNSHIP			
BEAVER COUNTY,			PA
DATE:	09/14/17	SPLC-GOM-AE-SA124618	REV.
BY:	IMM		2

File name: Y:\PROJECTS\1747\SHILL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\154-1-S01.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.

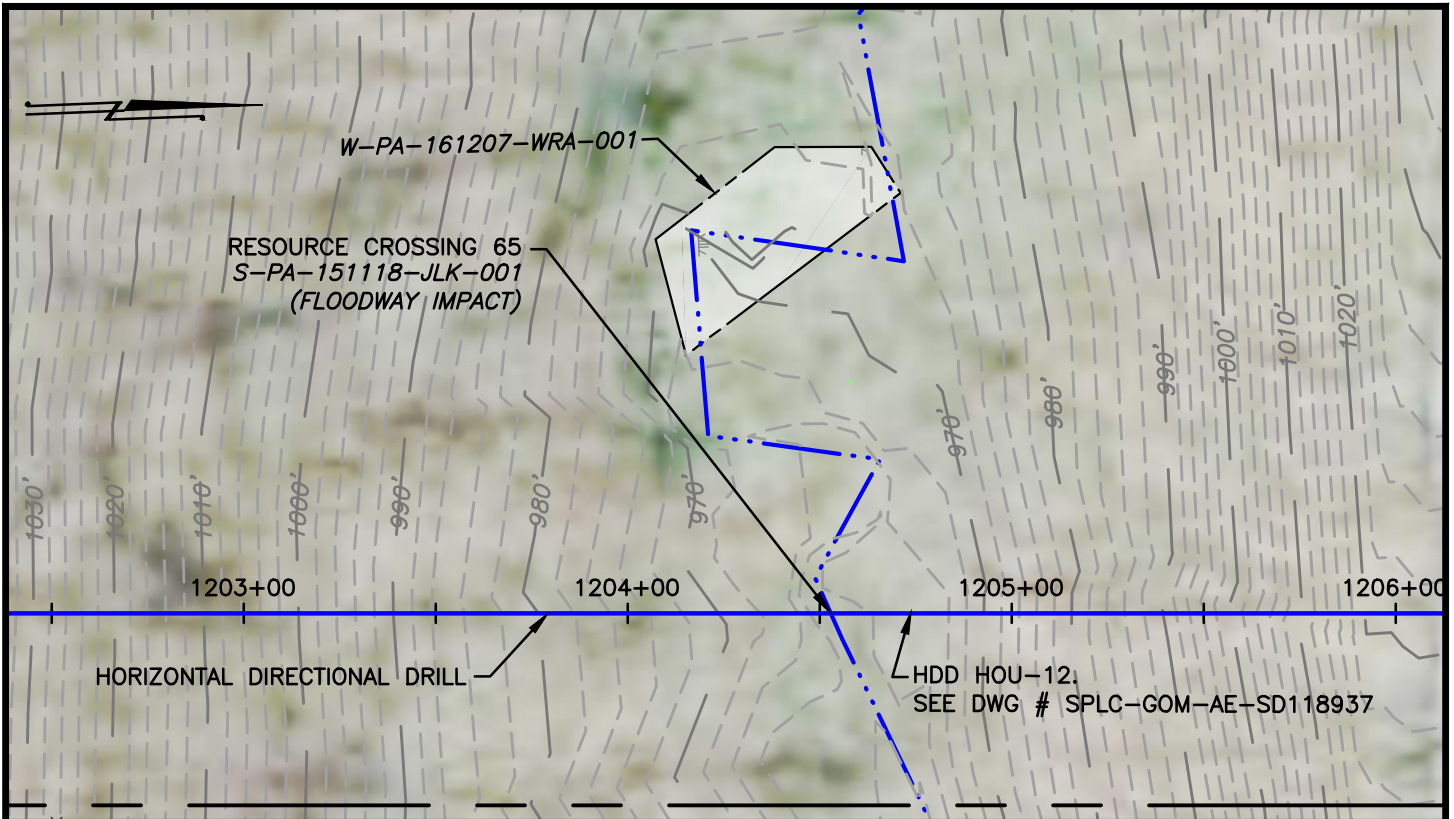


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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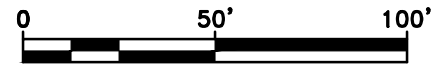
FALCON ETHANE PIPELINE SYSTEM		
JUNCTION TO MONACA		
SS155 - RESOURCE CROSSING #64		
POTTER TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124619		

File name: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\102-1-S01_W01.DWG
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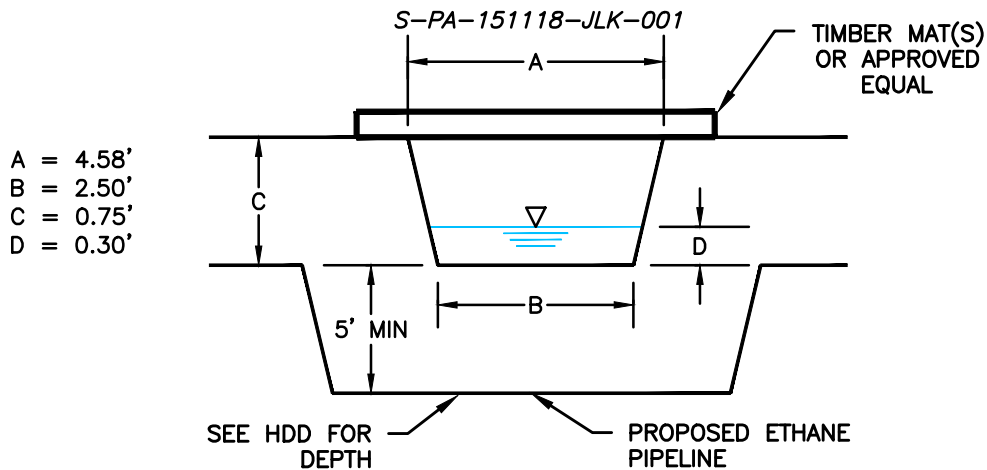


NOTES:

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SCALE: 1" = 50'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM

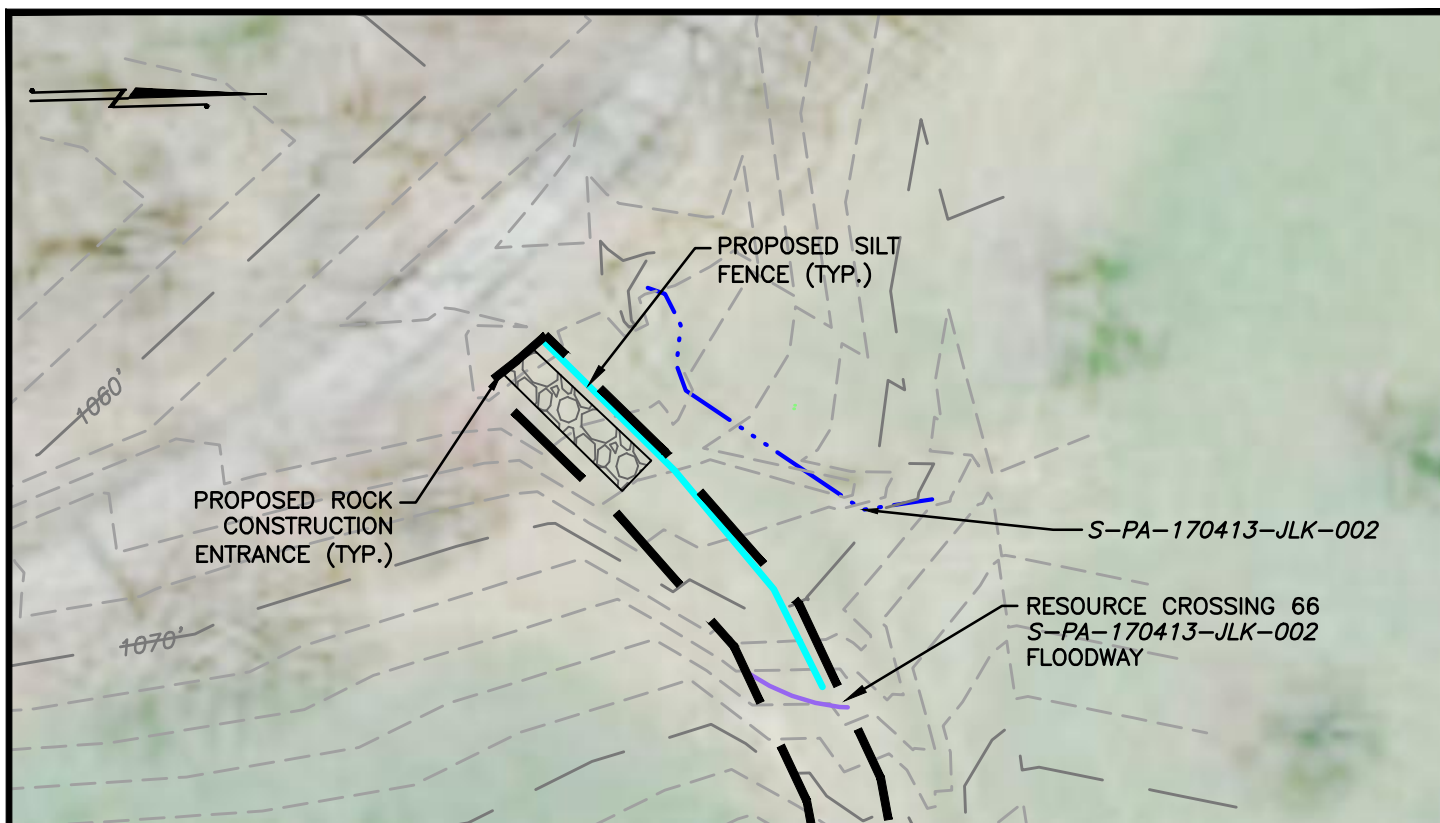
JUNCTION TO MONACA

SS156 - RESOURCE CROSSING #65
INDEPENDENCE TOWNSHIP
BEAVER COUNTY, PA

DATE:	09/14/17	SPLC-GOM-AE-SA124620	REV.
BY:	IMM		2

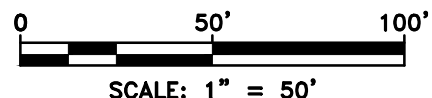
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

Filename: Y:\PROJECTS\1747\SH\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\103A-1-FW01.DWG
 Last saved by: TASHINA MCKINNEY (7/30/2018 4:42 PM) Last Plotted: 2018-07-31 (7/31/2018 3:35 PM)



NOTES:

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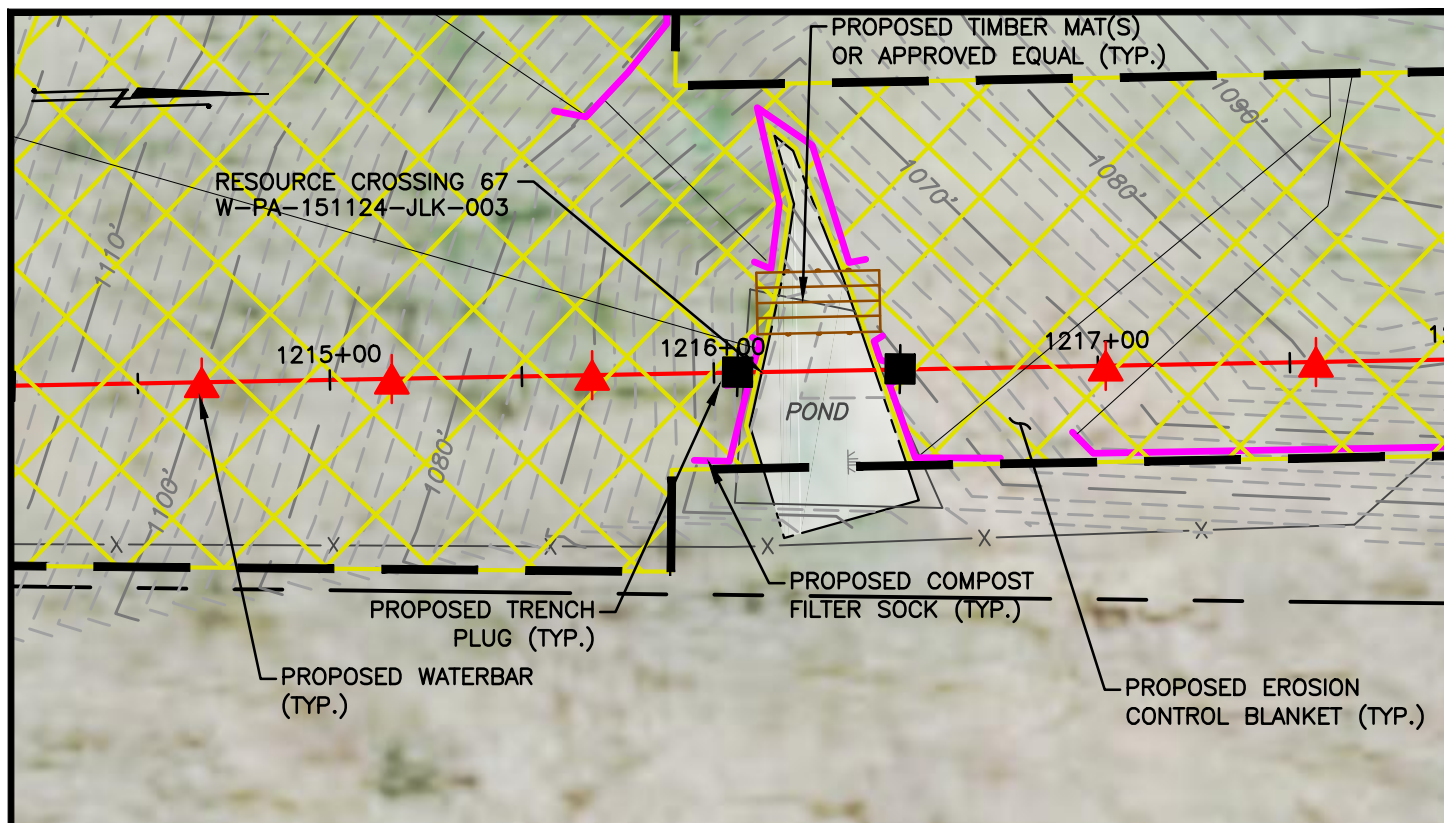


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS157 - RESOURCE CROSSING #66		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY,		PA
DATE:	09/14/17	SPLC-GOM-AE-SA124621
BY:	IMM	
		REV. 2

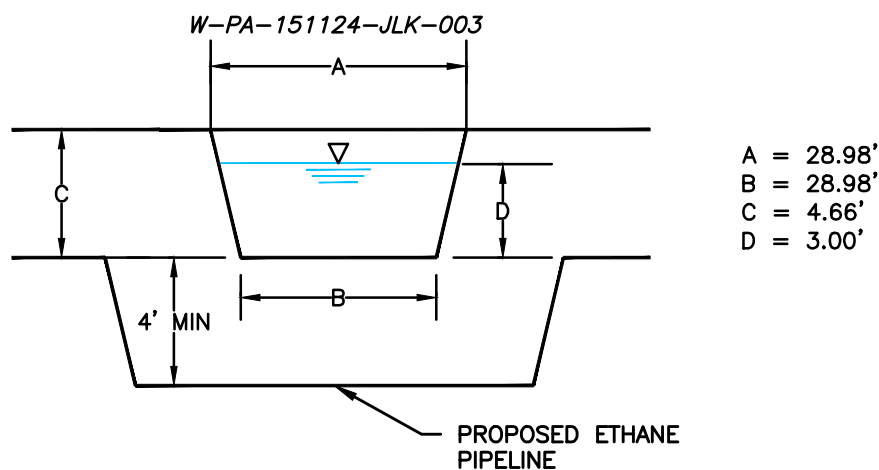
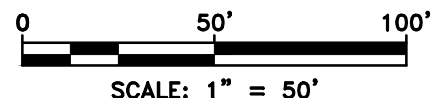
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\103-1-W01.DWG
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NOTES:

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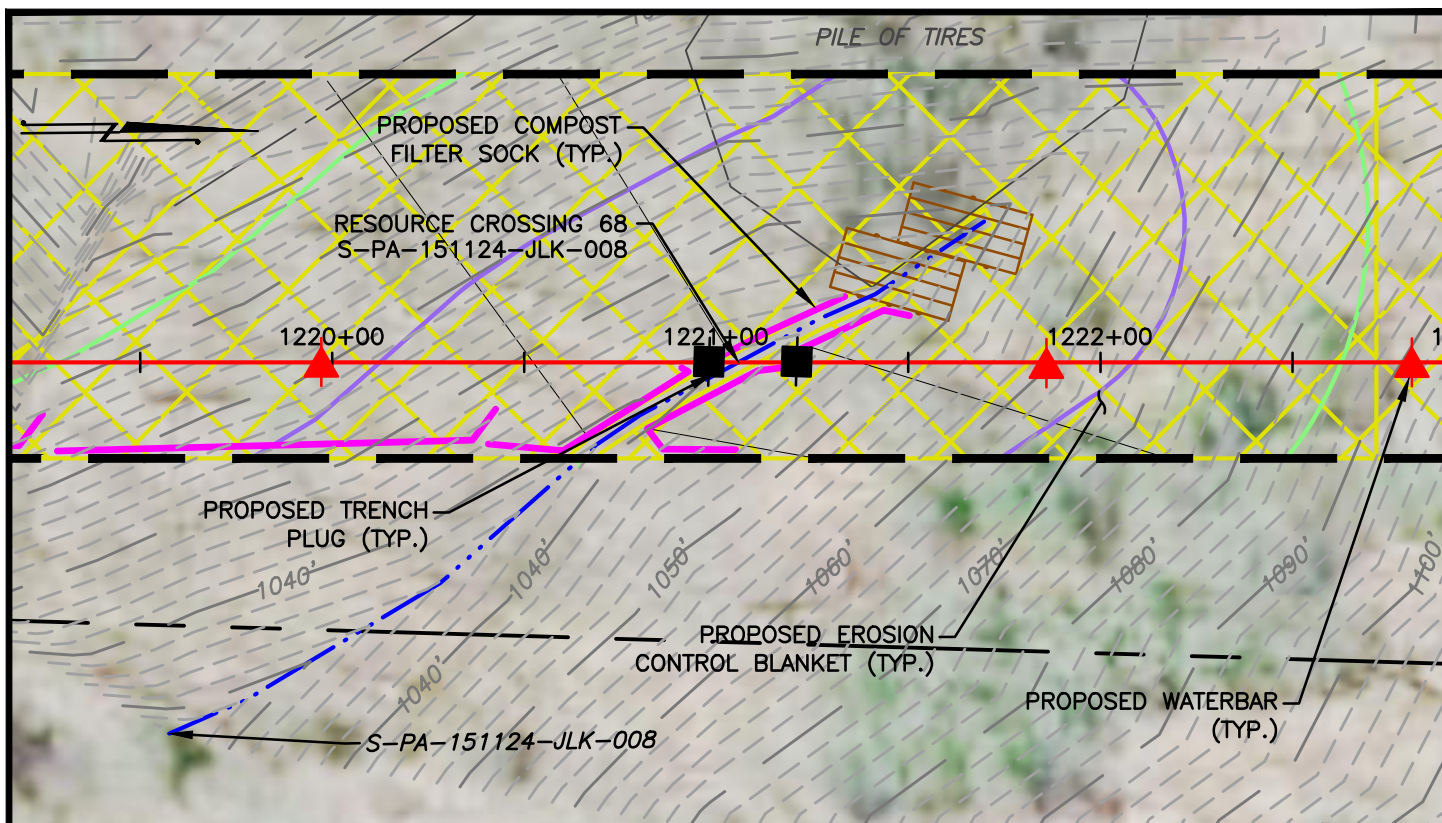
FALCON ETHANE PIPELINE SYSTEM HOUSTON TO JUNCTION

SS158 - RESOURCE CROSSING #67
INDEPENDENCE TOWNSHIP
BEAVER COUNTY, PA

DATE: 09/14/17
BY: IMM
SPLC-GOM-AE-SA124622
REV. 2

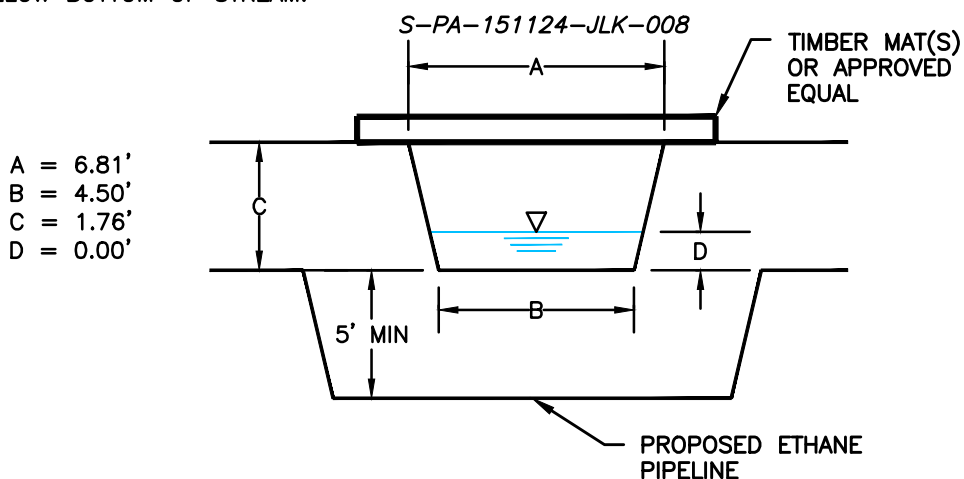
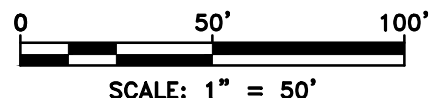
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NOTES:

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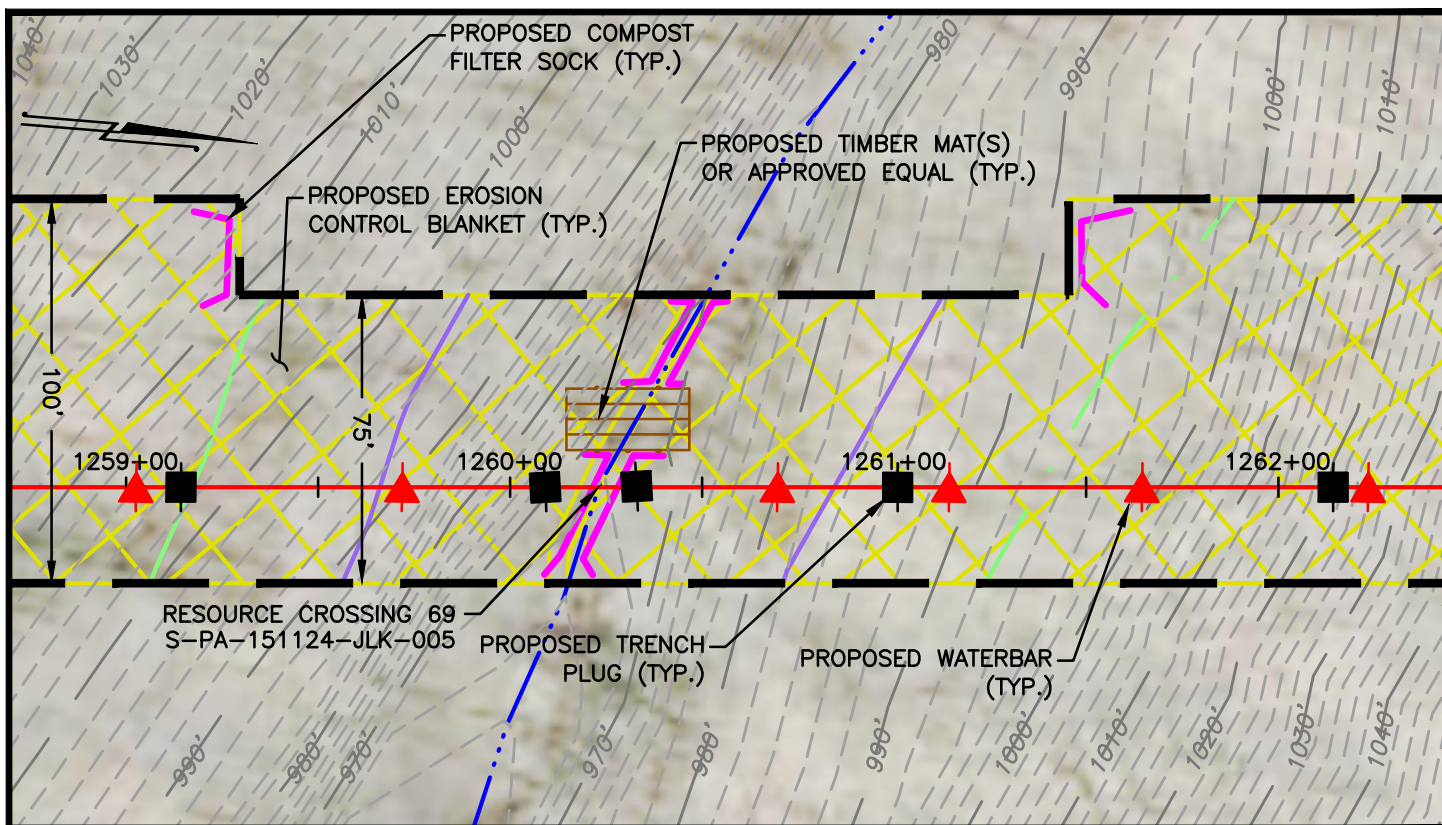


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS159 - RESOURCE CROSSING #68		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124623		

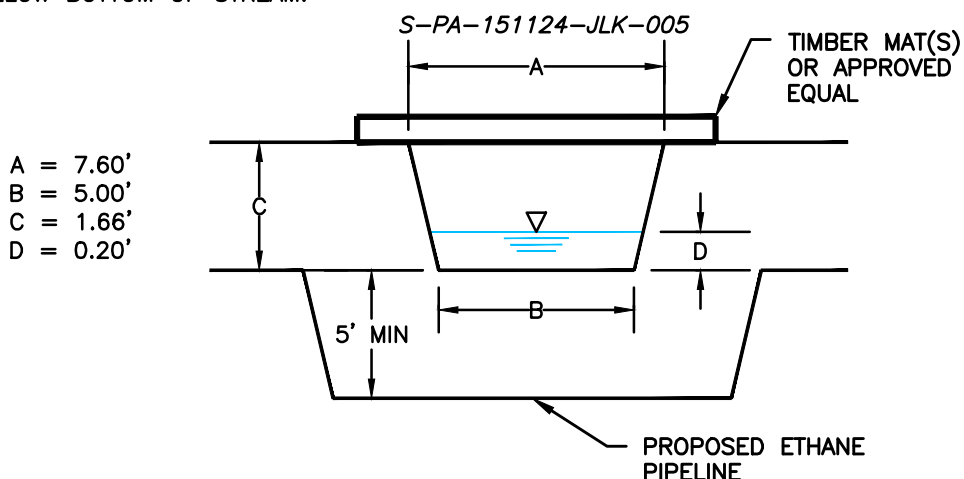
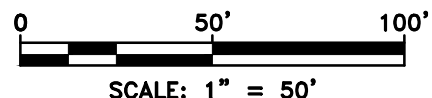
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NOTES:

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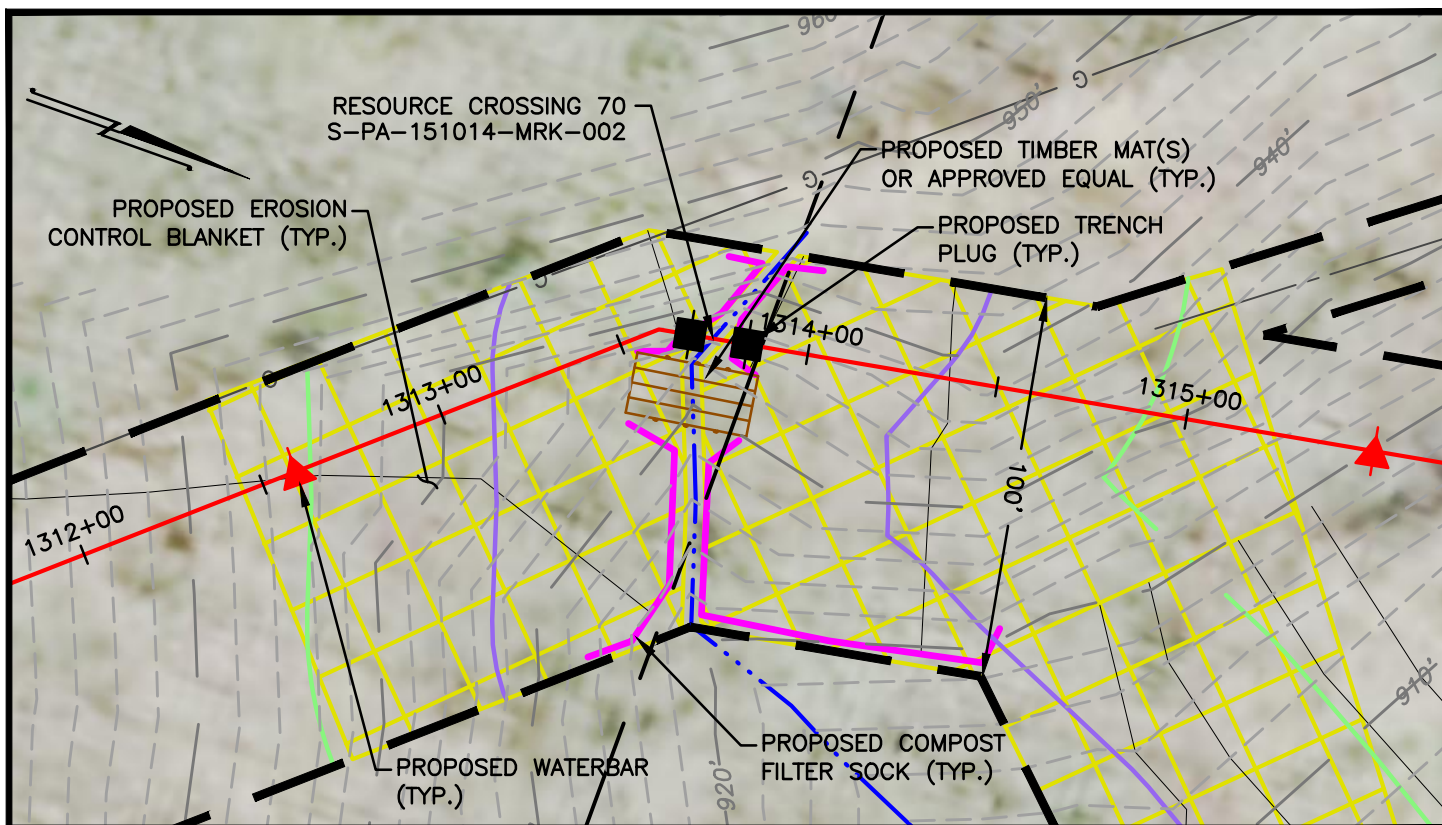


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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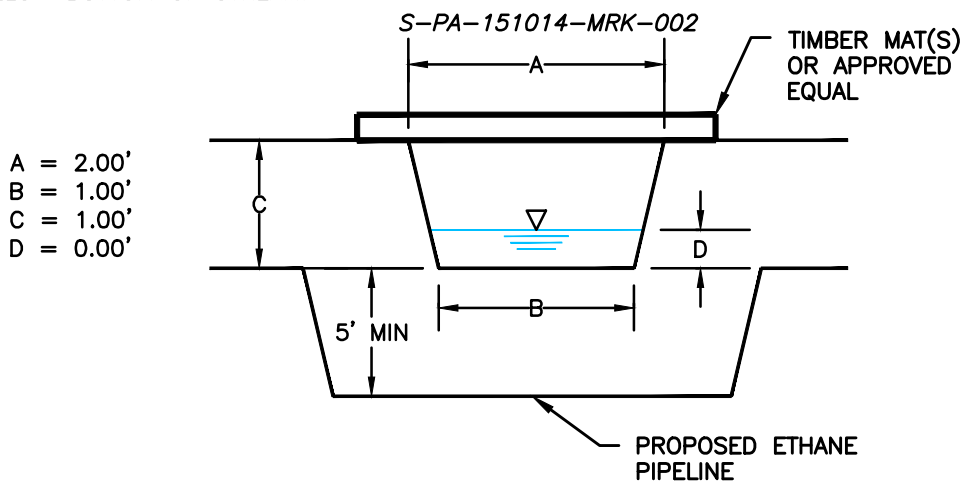
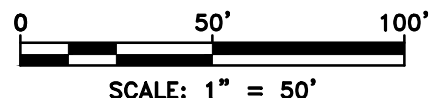
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HOUSTON TO JUNCTION		
SS160 - RESOURCE CROSSING #69		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124624

Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\111-1-S01.DWG
Last saved by: TASHINA MCKINNEY (7/30/2018 4:55 PM) Last Plotted: 2018-07-31 (7/31/2018 3:40 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.

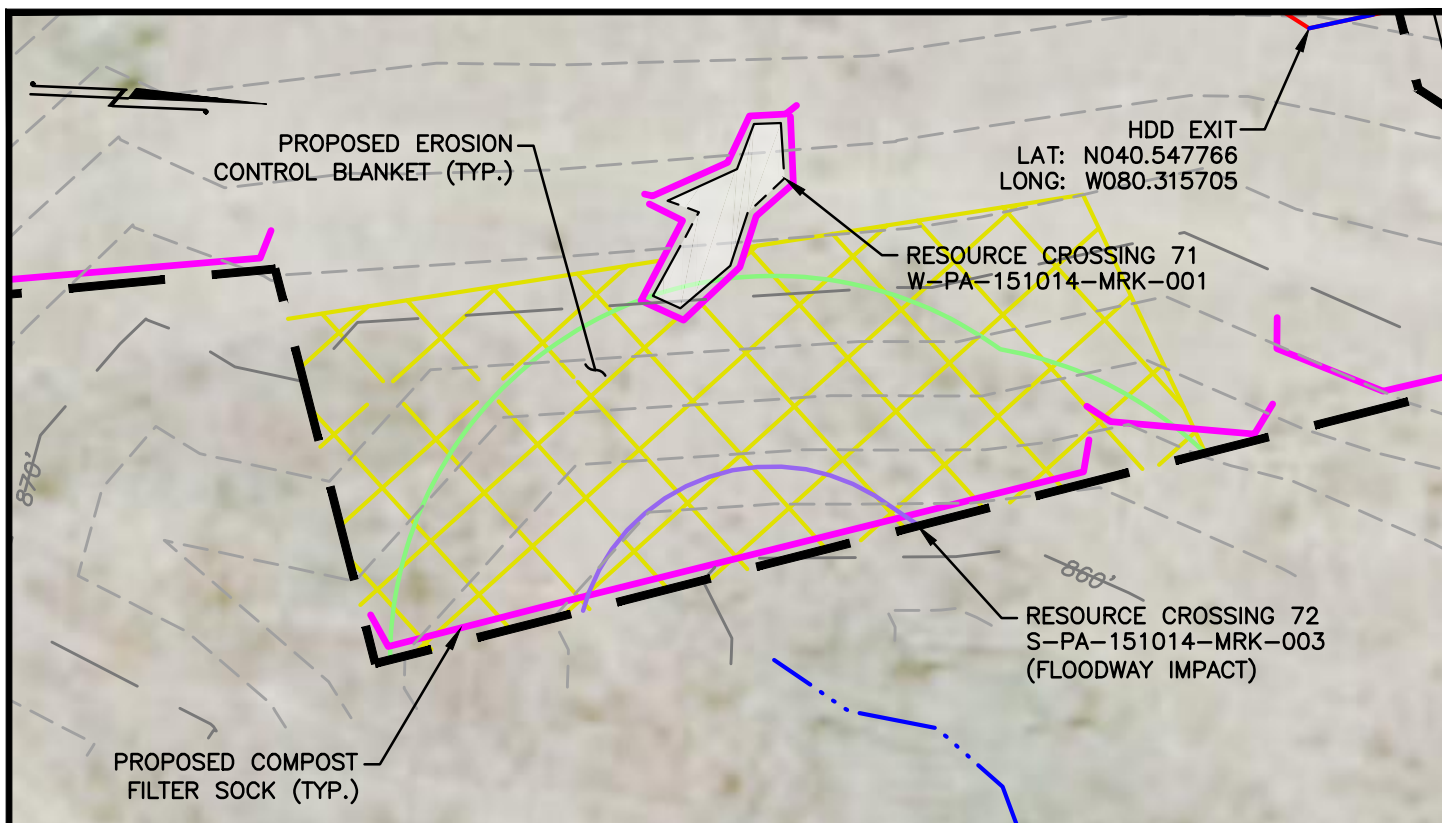


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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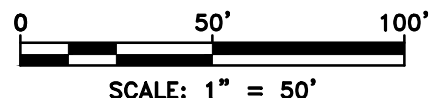
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS161 - RESOURCE CROSSING #70		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124625

Filename: Y:\PROJECTS\1747\SH\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\112-1-W01_FW01.DWG
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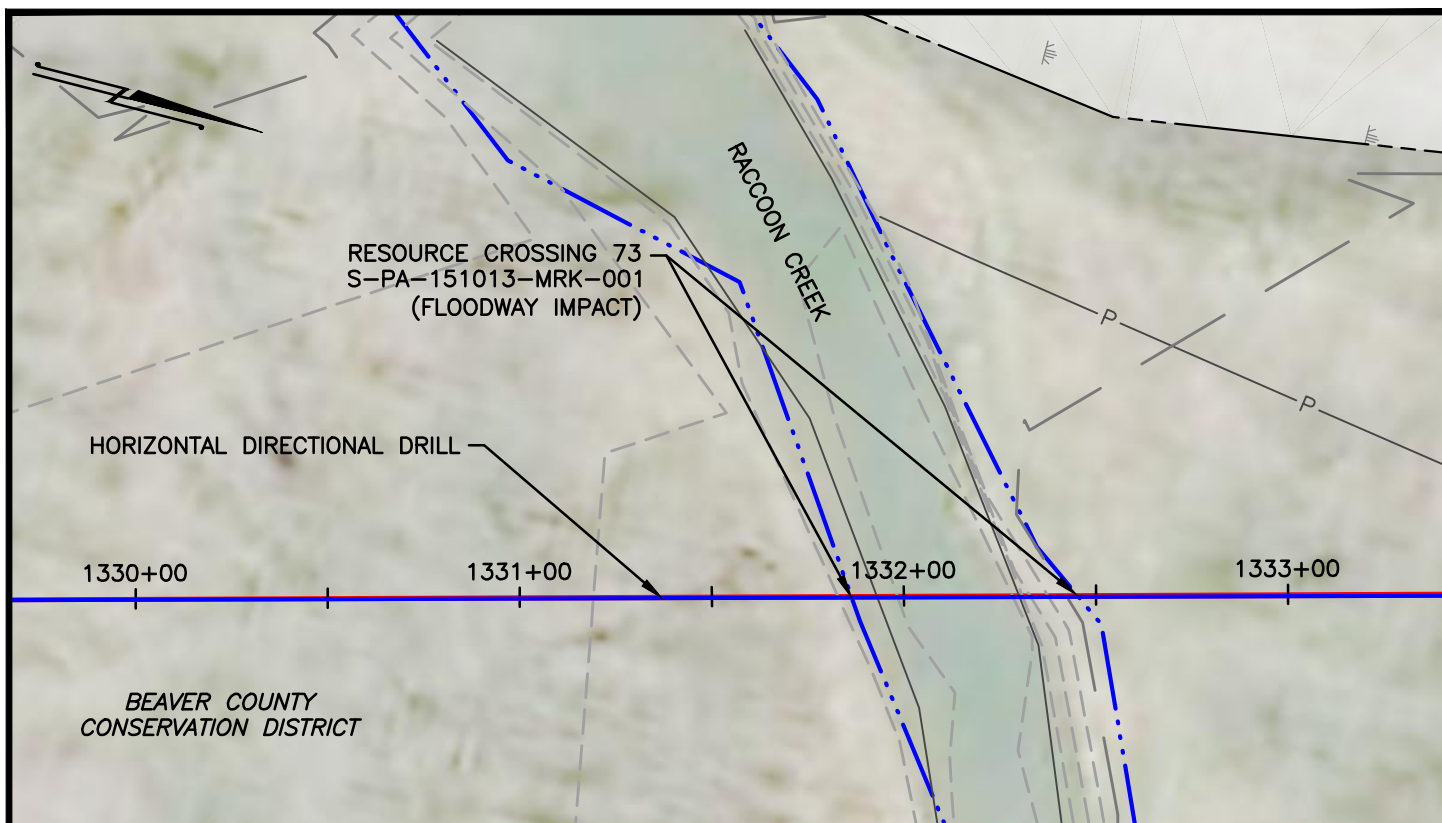
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
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5. PIPELINE LOCATED 4 FEET MINIMUM BELOW WETLANDS AND 5 FEET BELOW BOTTOM OF STREAM.



2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

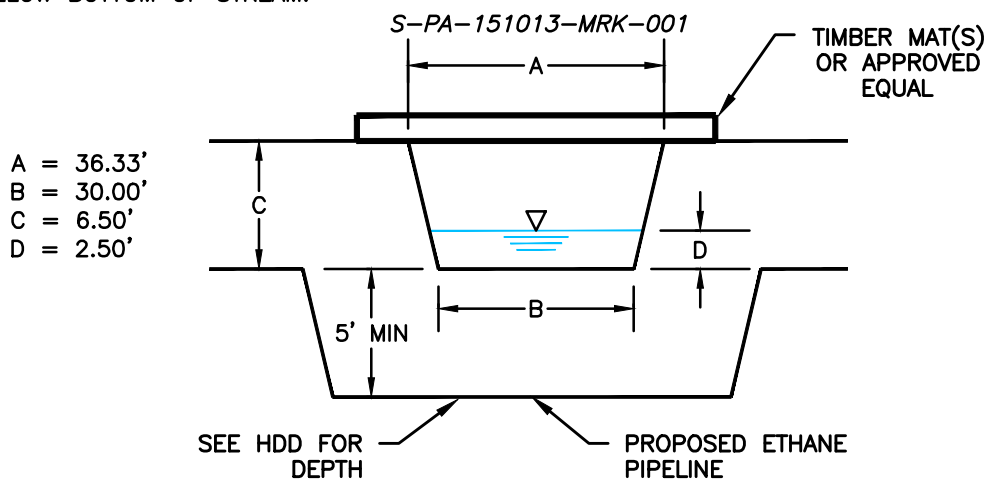
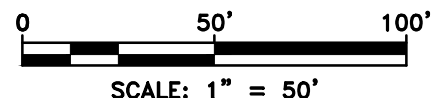
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

FALCON ETHANE PIPELINE SYSTEM		PA
HOUSTON TO JUNCTION		REV.
SS162 - RESOURCE CROSSING #71 & #72		2
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY,		
DATE: 09/14/17	SPLC-GOM-AE-SA124626	
BY: IMM		



NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

FALCON ETHANE PIPELINE SYSTEM

HOUSTON TO JUNCTION

SS163 - RESOURCE CROSSING #73

**INDEPENDENCE TOWNSHIP
BEAVER COUNTY,**

PA

DATE: 09/14/17

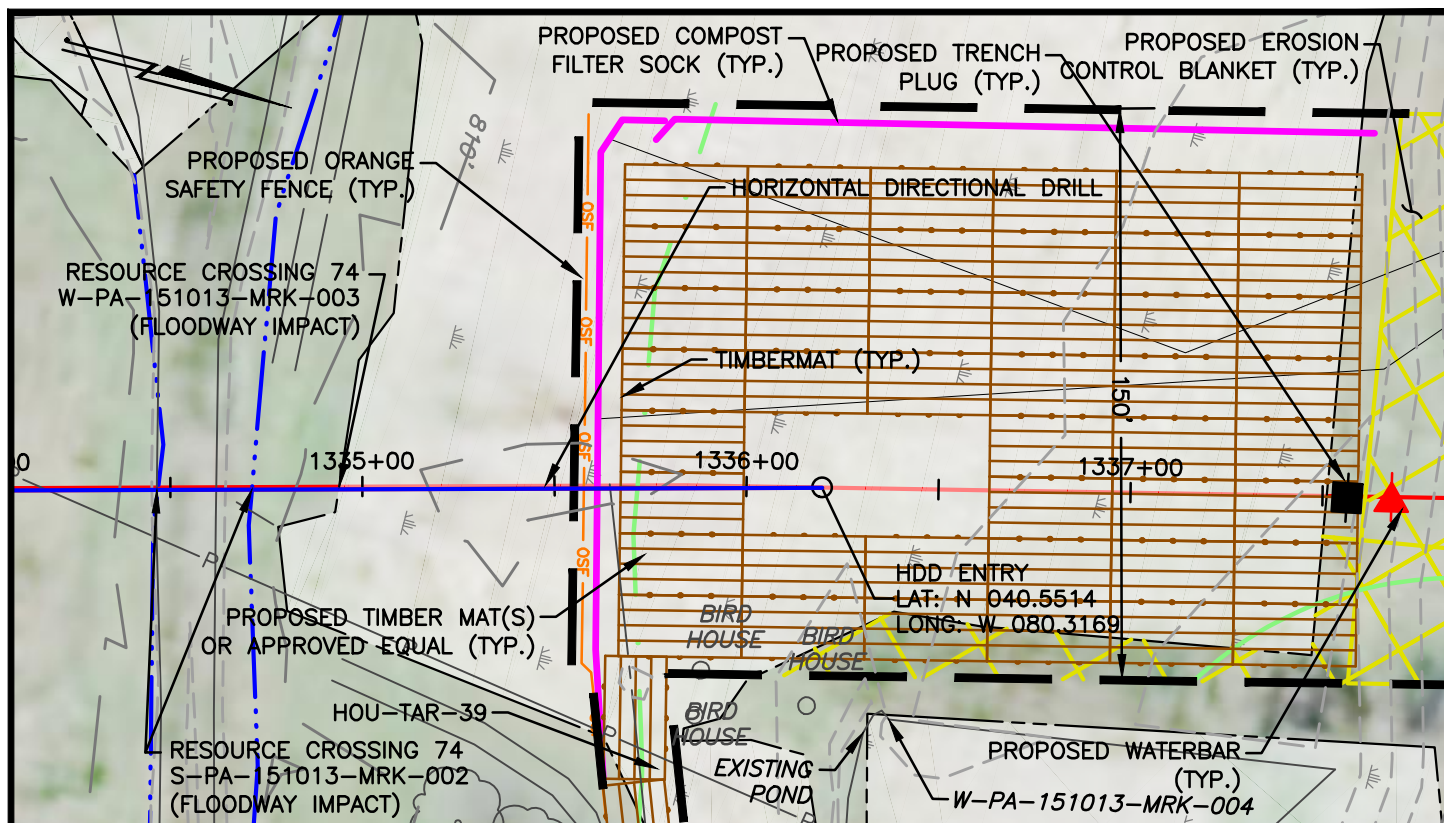
RY:	IMM
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SPLC-GOM-AE-SA124627

REV.
2

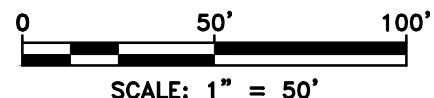
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Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\113-2-S01_W01.DWG
 Last saved by: TASHINA MCKINNEY (7/30/2018 5:03 PM) Last Plotted: 2018-07-31 (7/31/2018 3:44 PM)

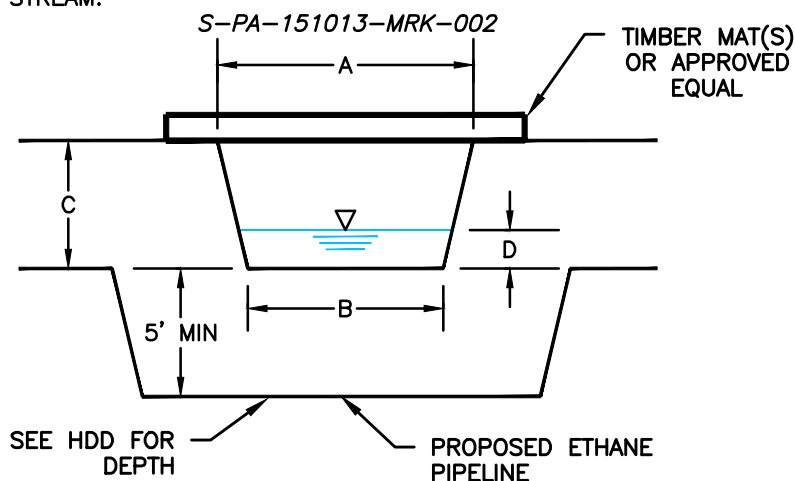


NOTES:

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.



A = 12.00'
 B = 10.00'
 C = 2.75'
 D = 1.30'



REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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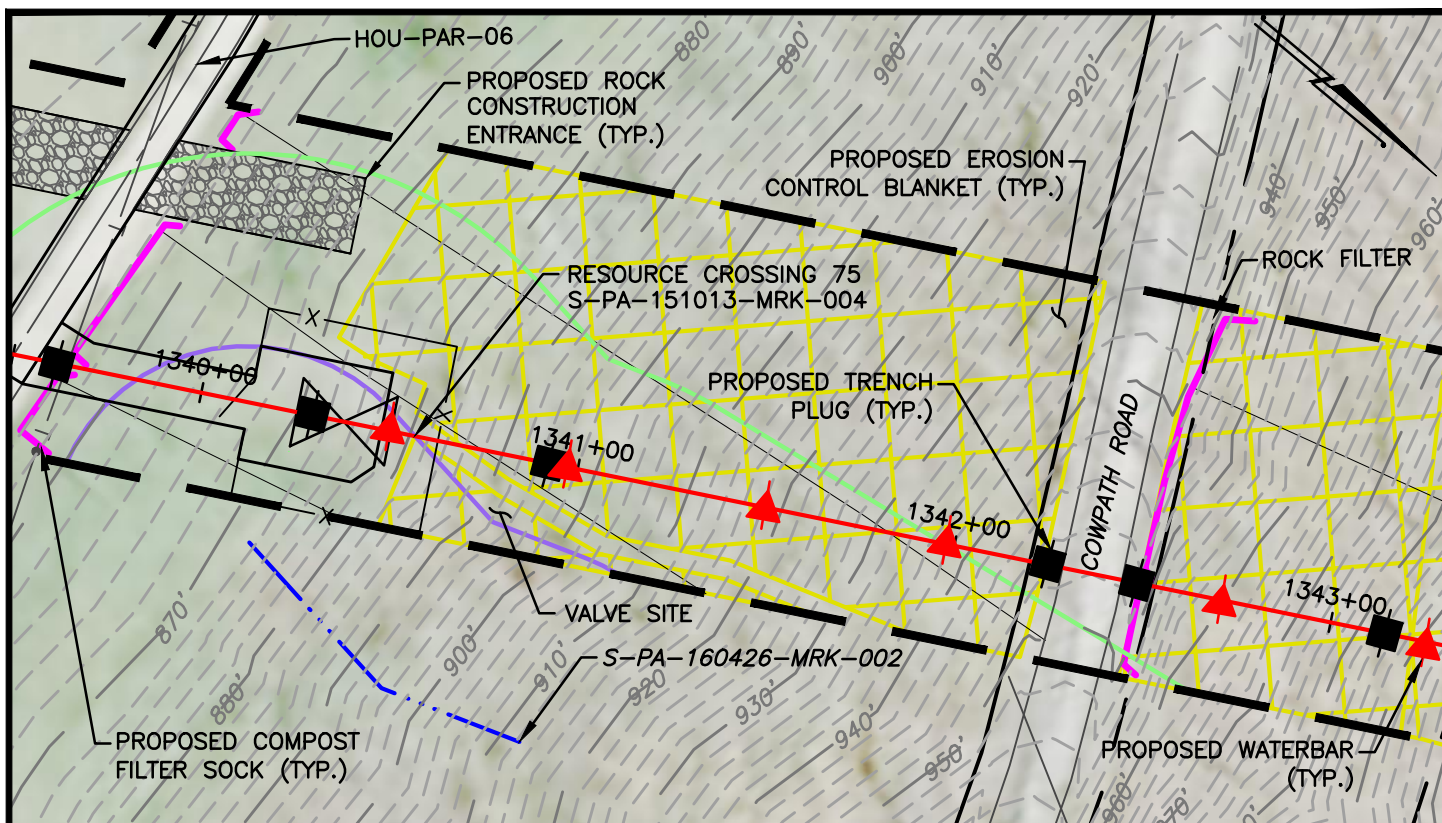
FALCON ETHANE PIPELINE SYSTEM HOUSTON TO JUNCTION

SS164 - RESOURCE CROSSING #74
 INDEPENDENCE TOWNSHIP
 BEAVER COUNTY, PA

DATE: 09/14/17
 BY: IMM
 SPLC-GOM-AE-SA124628
 REV. 2

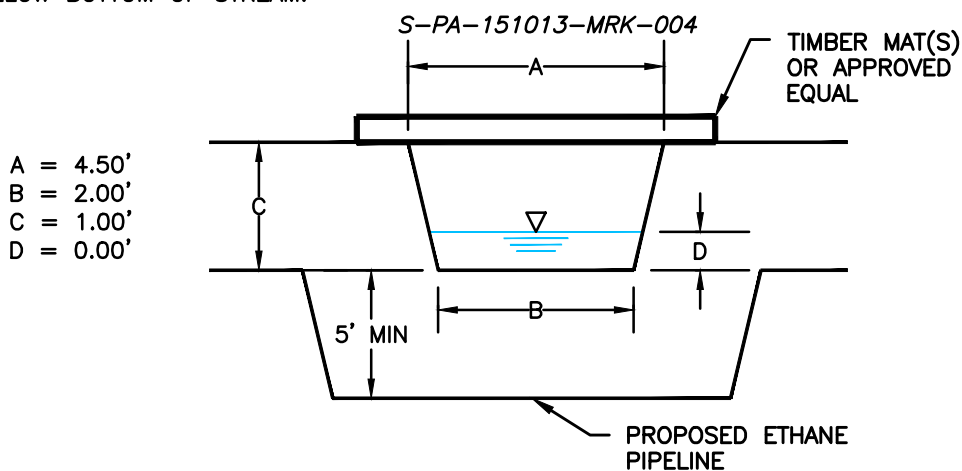
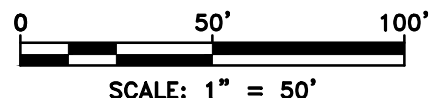
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\114-1-S01_FWO1.DWG
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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.
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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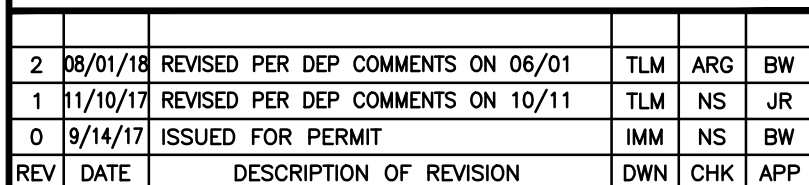
**FALCON ETHANE PIPELINE SYSTEM
 HOUSTON TO JUNCTION**

**SS165 - RESOURCE CROSSING #75
 INDEPENDENCE TOWNSHIP
 BEAVER COUNTY, PA**

DATE: 09/14/17
BY: IMM
SPLC-GOM-AE-SA124629
REV. 2

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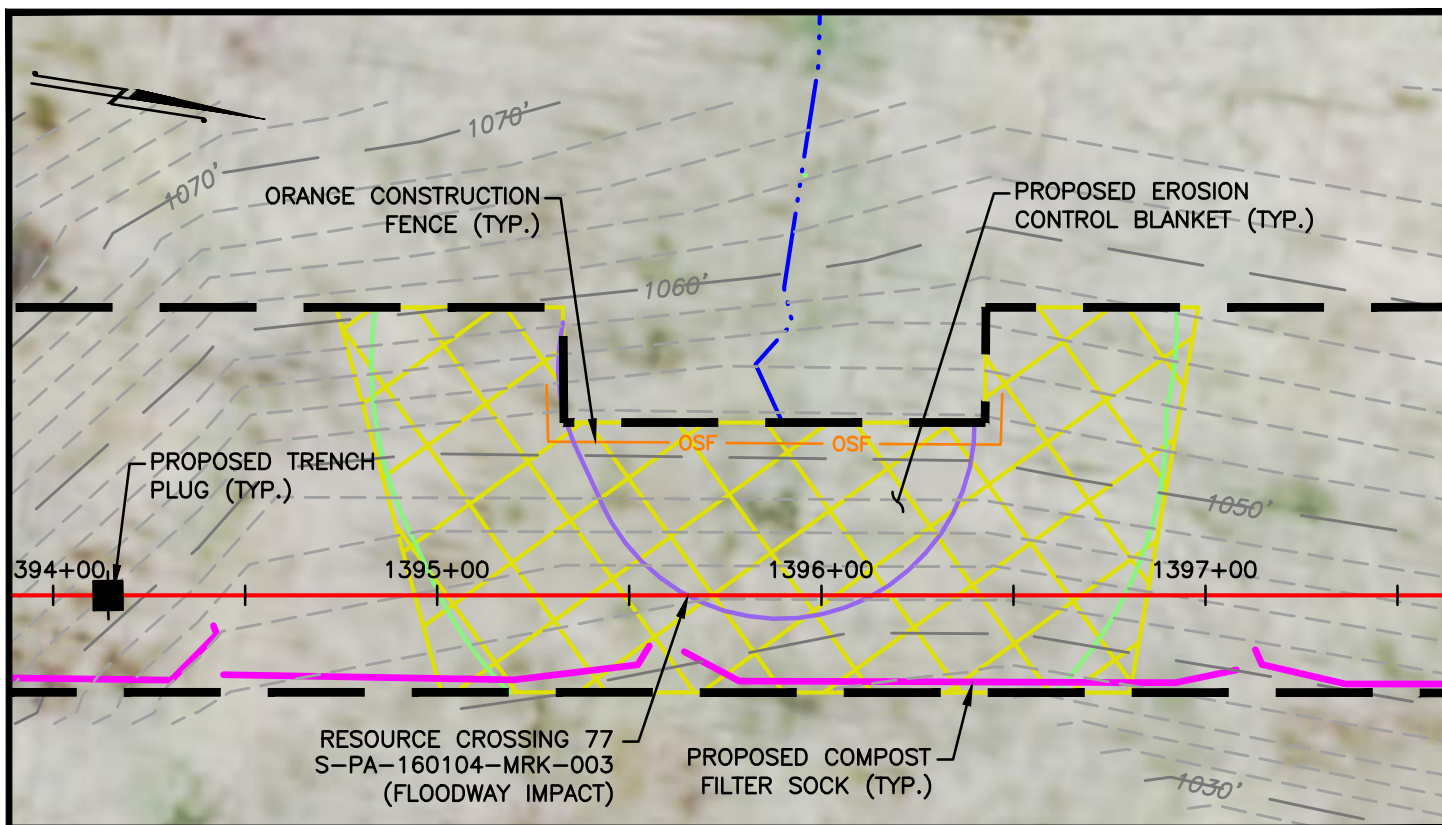
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
3. EXISTING GRADE INFORMATION BASED ON FIELD SURVEY PROVIDED BY PERCHERON, LLC.
4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
5. PIPELINE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



DATE:	09/14/17	SPLC-GOM-AE-SA124630	REV.
RY:	IMM		2

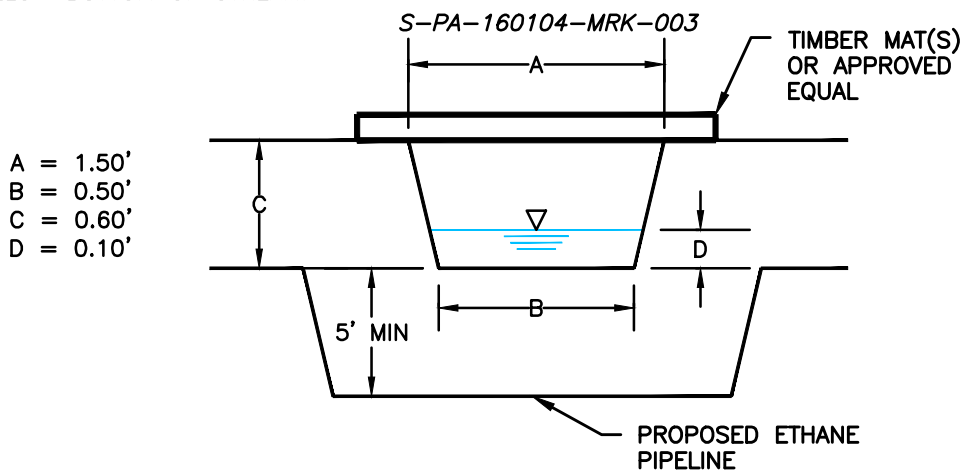
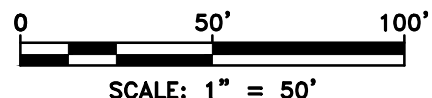
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\118-1-S01.DWG
 Last saved by: IAN.M.MOORE (7/30/2018 4:36 PM) Last Plotted: 2018-07-31 (7/31/2018 3:47 PM)



NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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.

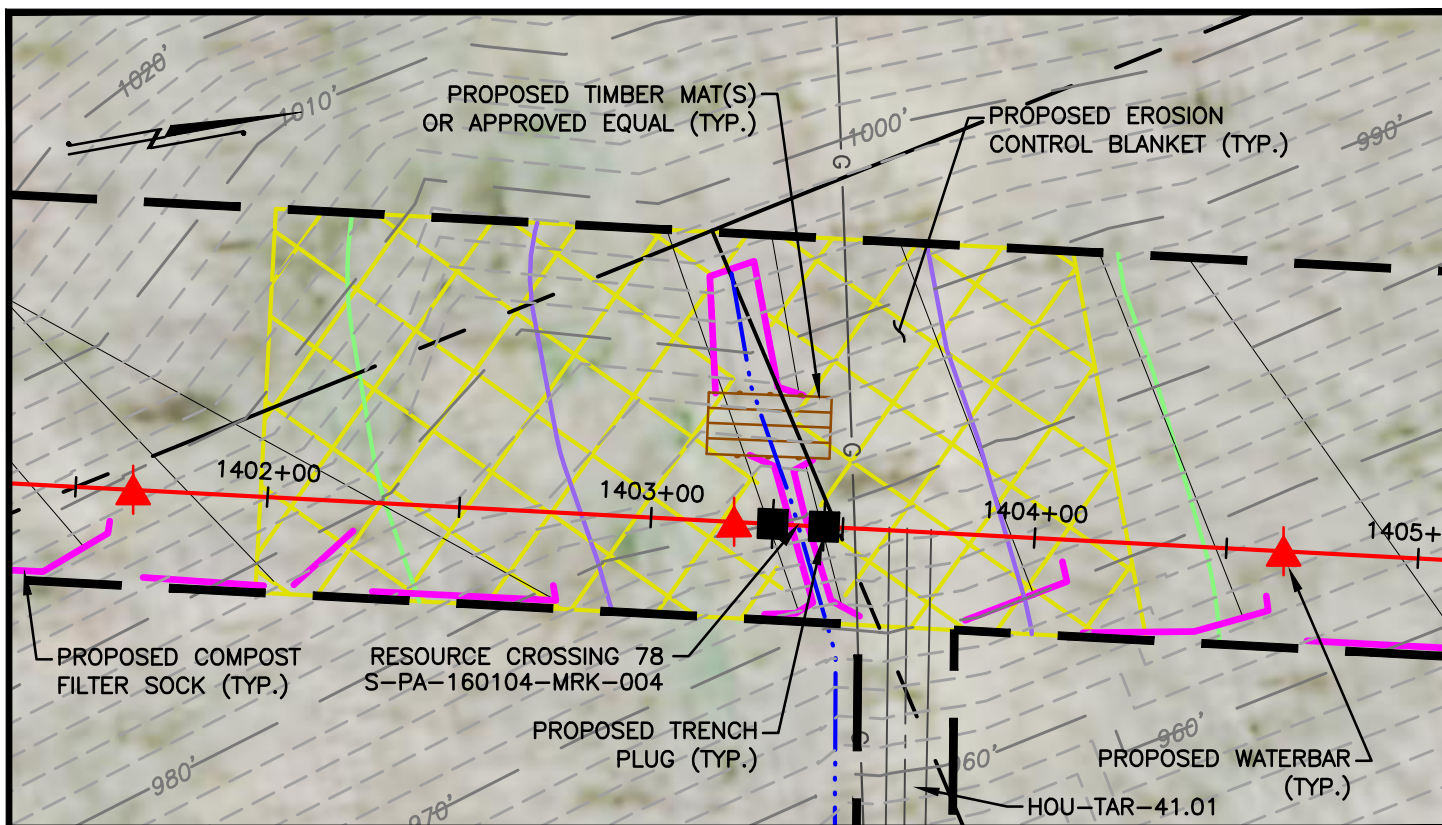


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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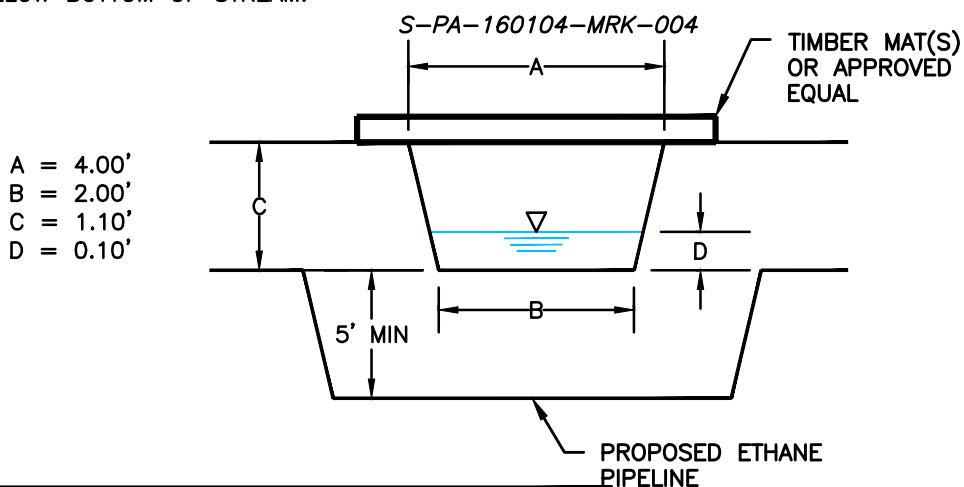
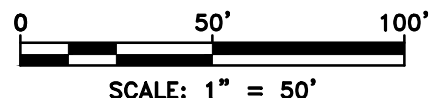
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS167 - RESOURCE CROSSING #77		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124631		

Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\119-1-S01.DWG
 Last saved by: TASHINA MCKINNEY (7/31/2018 2:40 PM)
 Last Plotted: 2018-07-31 (7/31/2018 3:49 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.

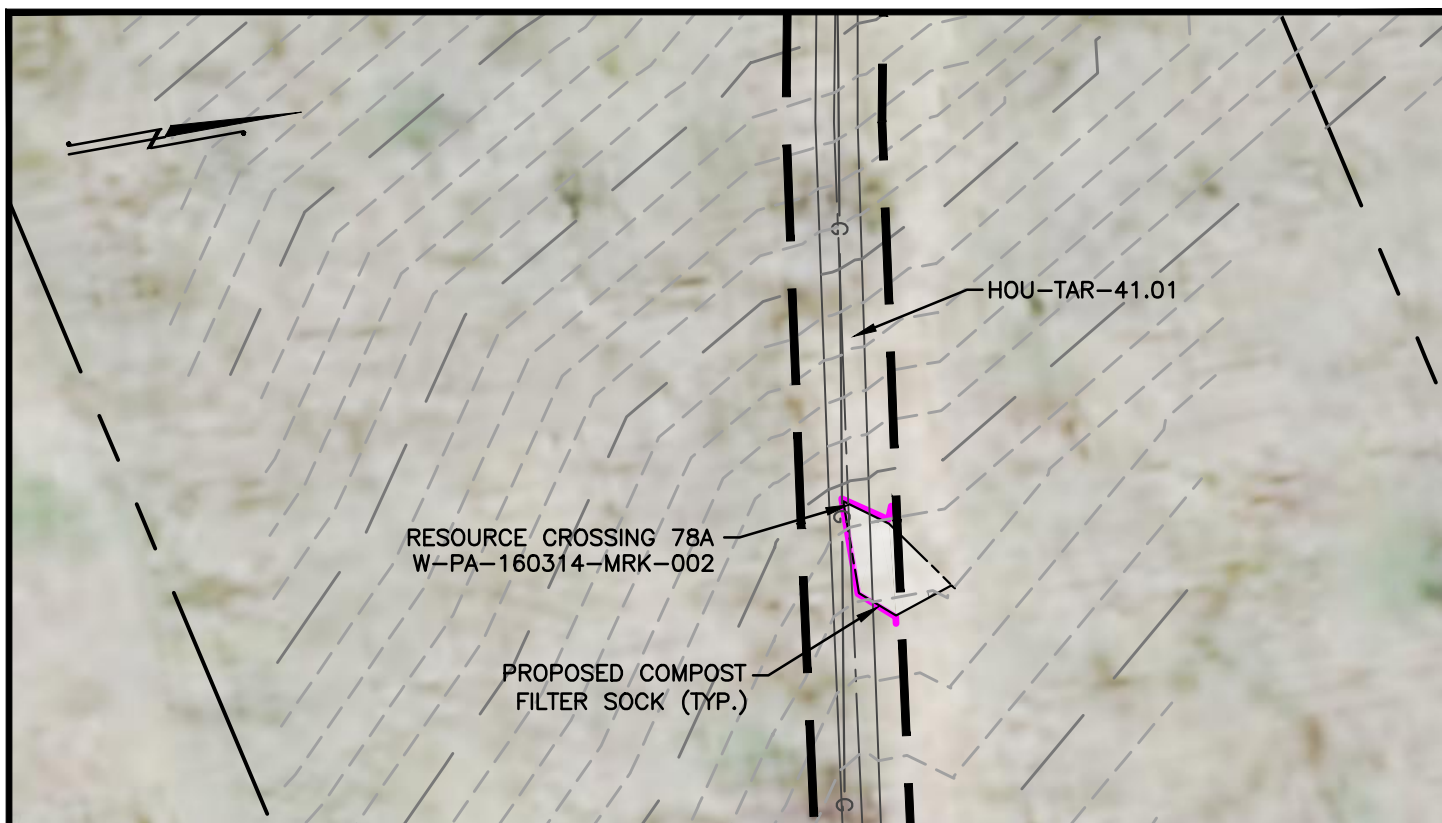


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS168 - RESOURCE CROSSING #78		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124632

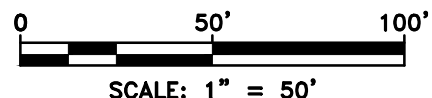
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Filename: Y:\PROJECTS\1747\SH\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\119-1-S01C.DWG
 Last saved by: TASHINA MCKINNEY (7/31/2018 3:25 PM) Last Plotted: 2018-07-31 (7/31/2018 3:49 PM)



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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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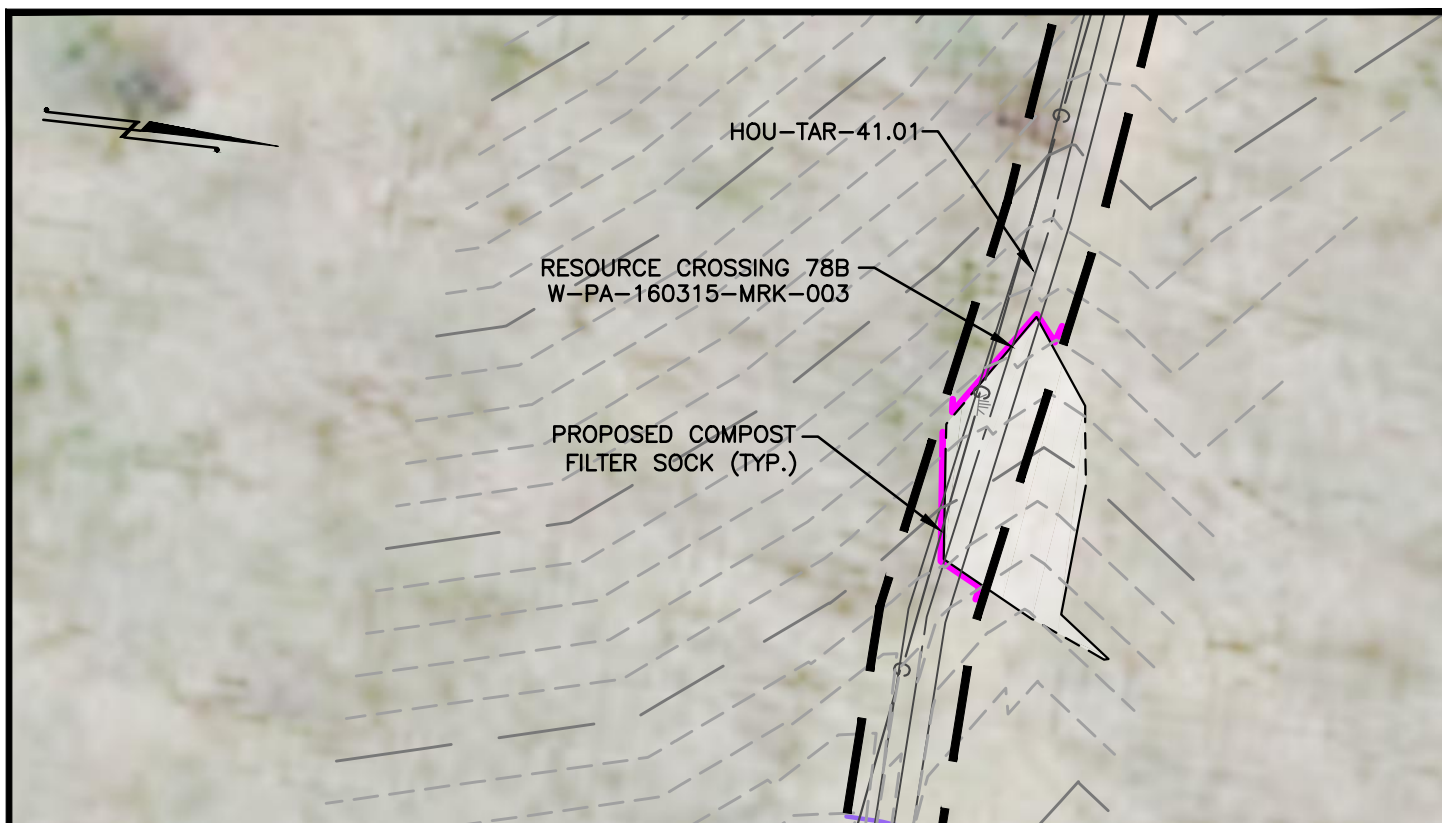
**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS168A - RESOURCE CROSSING #78A
INDEPENDENCE TOWNSHIP
BEAVER COUNTY, PA**

DATE:	09/14/17	SPLC-GOM-AE-SA124681	REV.
BY:	IMM		2

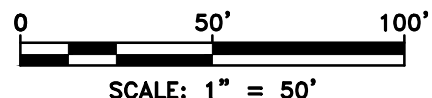
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Filename: Y:\PROJECTS\1747\SH\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\119-1-S01B.DWG
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NOTES:

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2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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

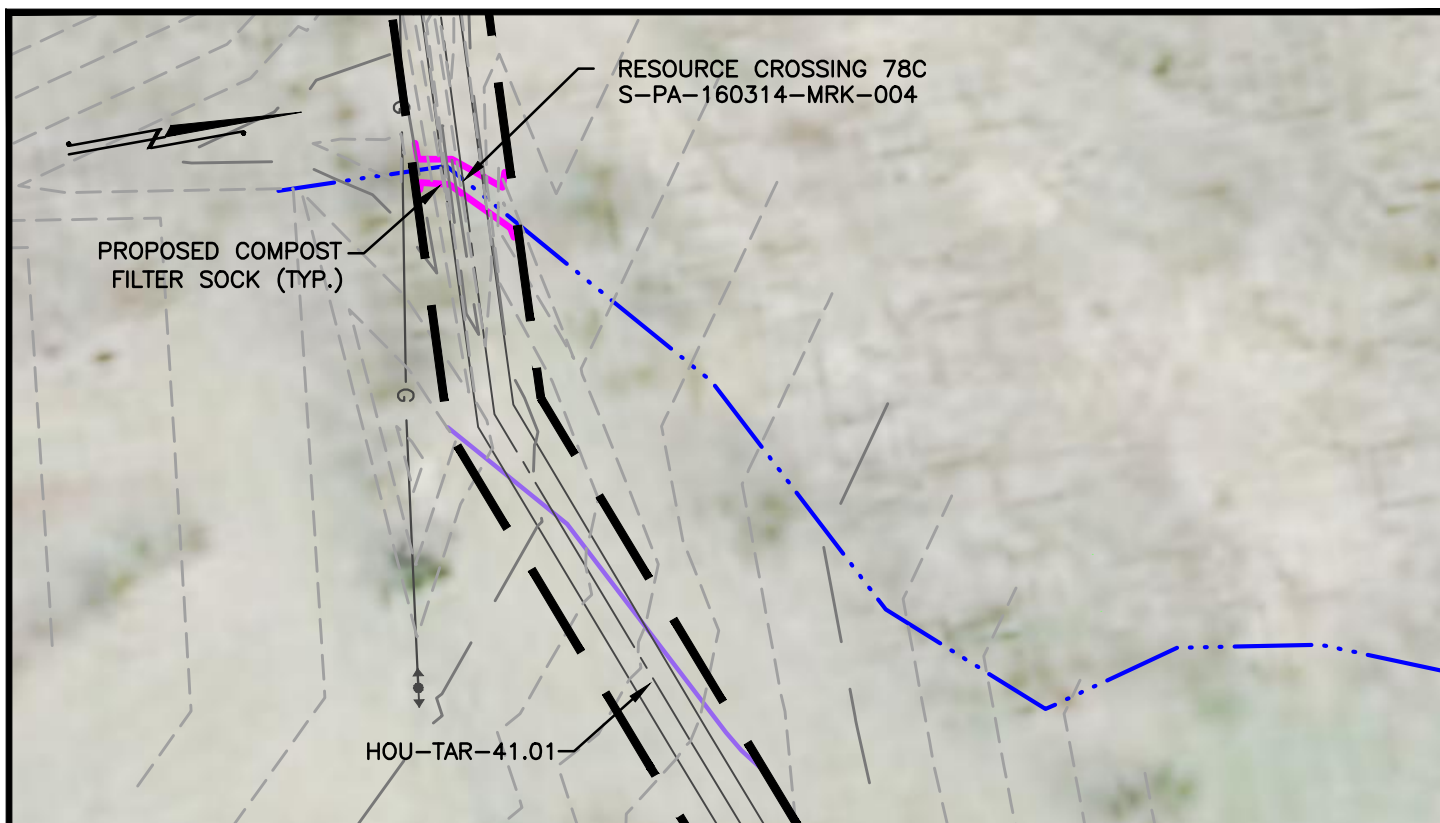
**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS168B - RESOURCE CROSSING #78B
INDEPENDENCE TOWNSHIP
BEAVER COUNTY, PA**

DATE:	09/14/17	SPLC-GOM-AE-SA124682	REV.
BY:	IMM		2

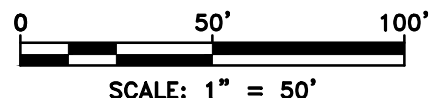
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 Last saved by: TASHINA MCKINNEY (7/31/2018 3:22 PM) Last Plotted: 2018-07-31 (7/31/2018 3:52 PM)



NOTES:

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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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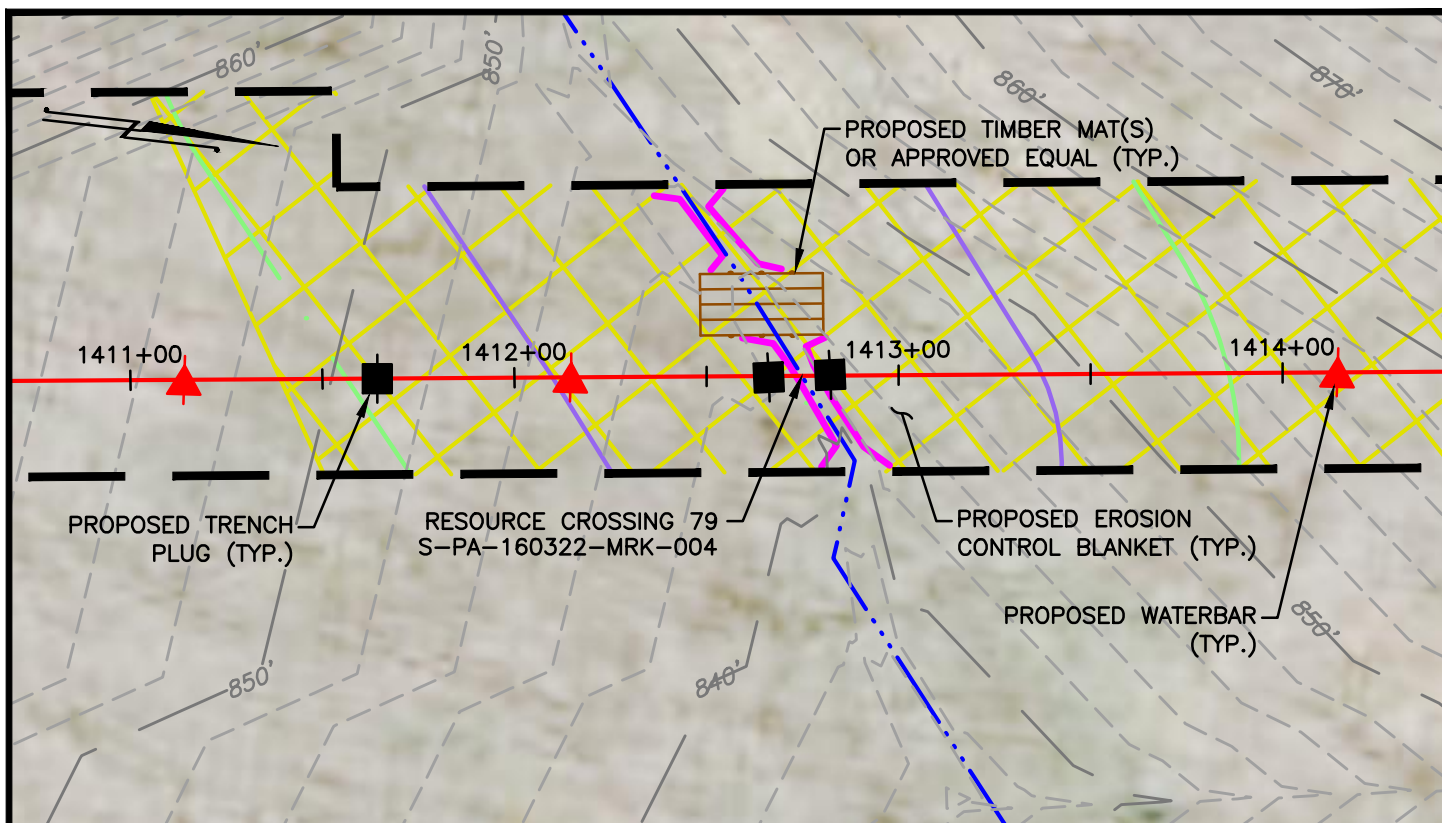
**FALCON ETHANE PIPELINE SYSTEM
SCIO TO JUNCTION**

**SS168C - RESOURCE CROSSING #78C
INDEPENDENCE TOWNSHIP
BEAVER COUNTY, PA**

**DATE: 09/14/17
BY: IMM
SPLC-GOM-AE-SA124683
REV. 2**

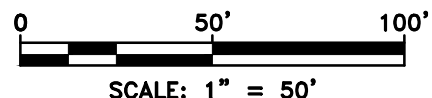
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Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\120-1-S01.DWG
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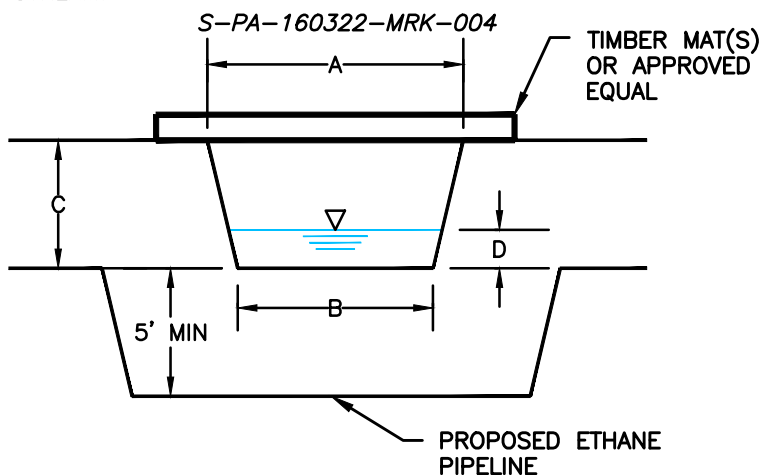


NOTES:

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.



A = 9.00'
 B = 6.00'
 C = 2.50'
 D = 0.50'

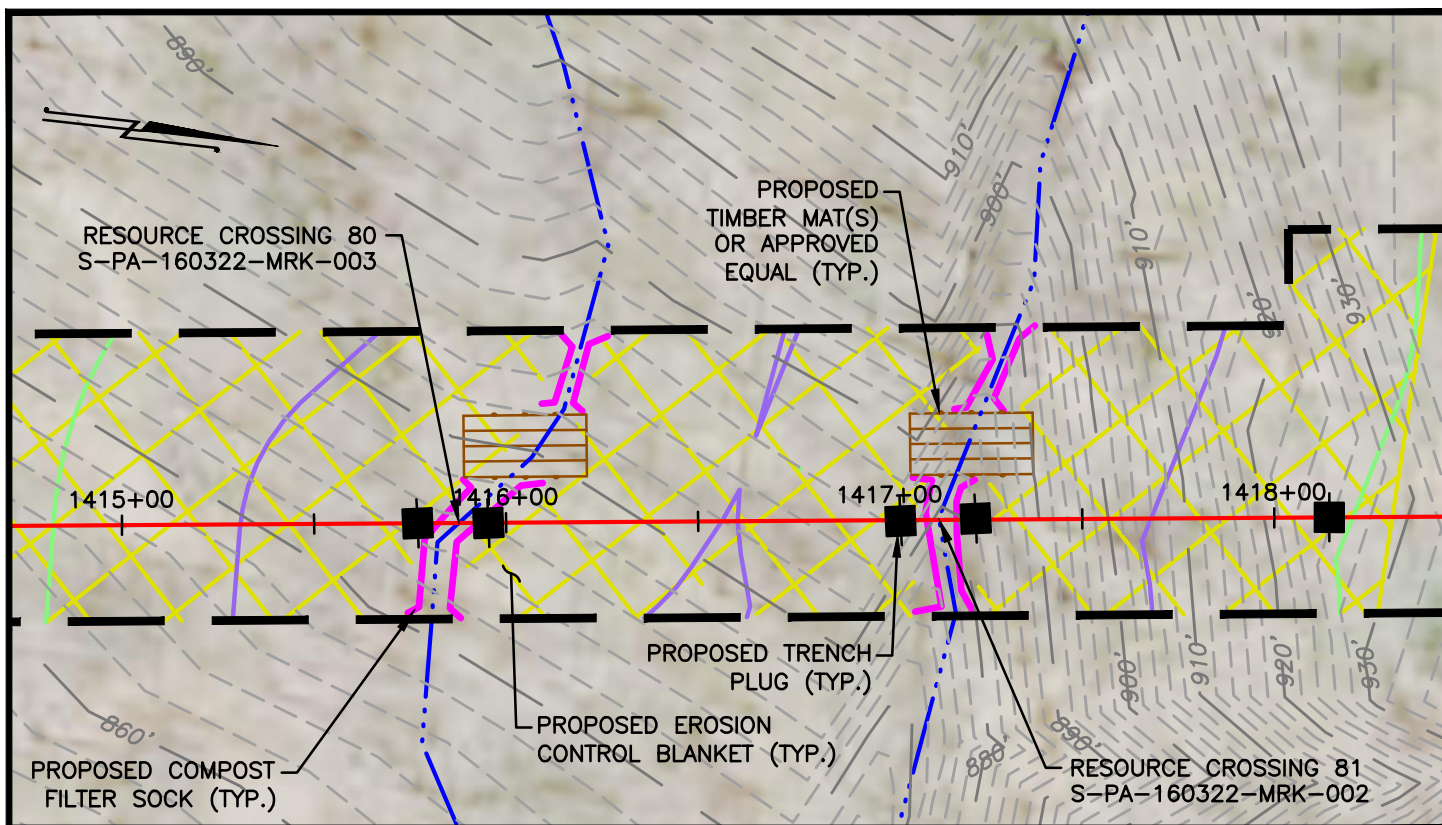


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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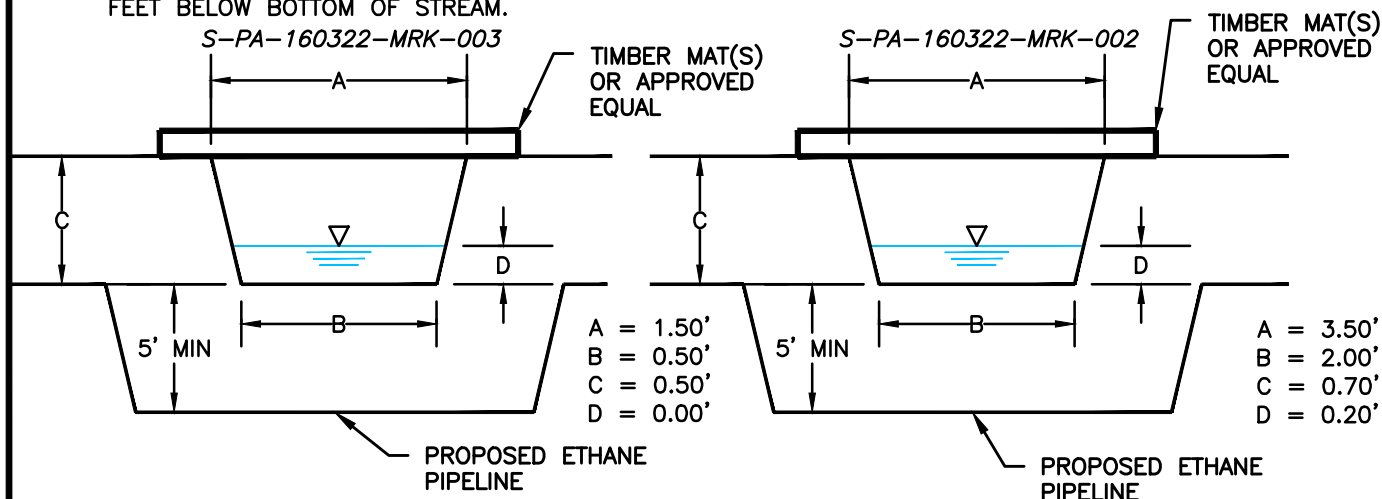
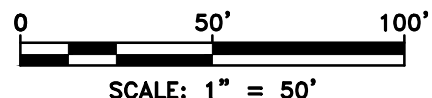
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS169 - RESOURCE CROSSING #79		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124633

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\120-2-S01_S02.DWG
 Last saved by: IAN.M.MOORE (7/30/2018 3:22 PM) Last Plotted: 2018-07-31 (7/31/2018 3:06 PM)



NOTES:

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

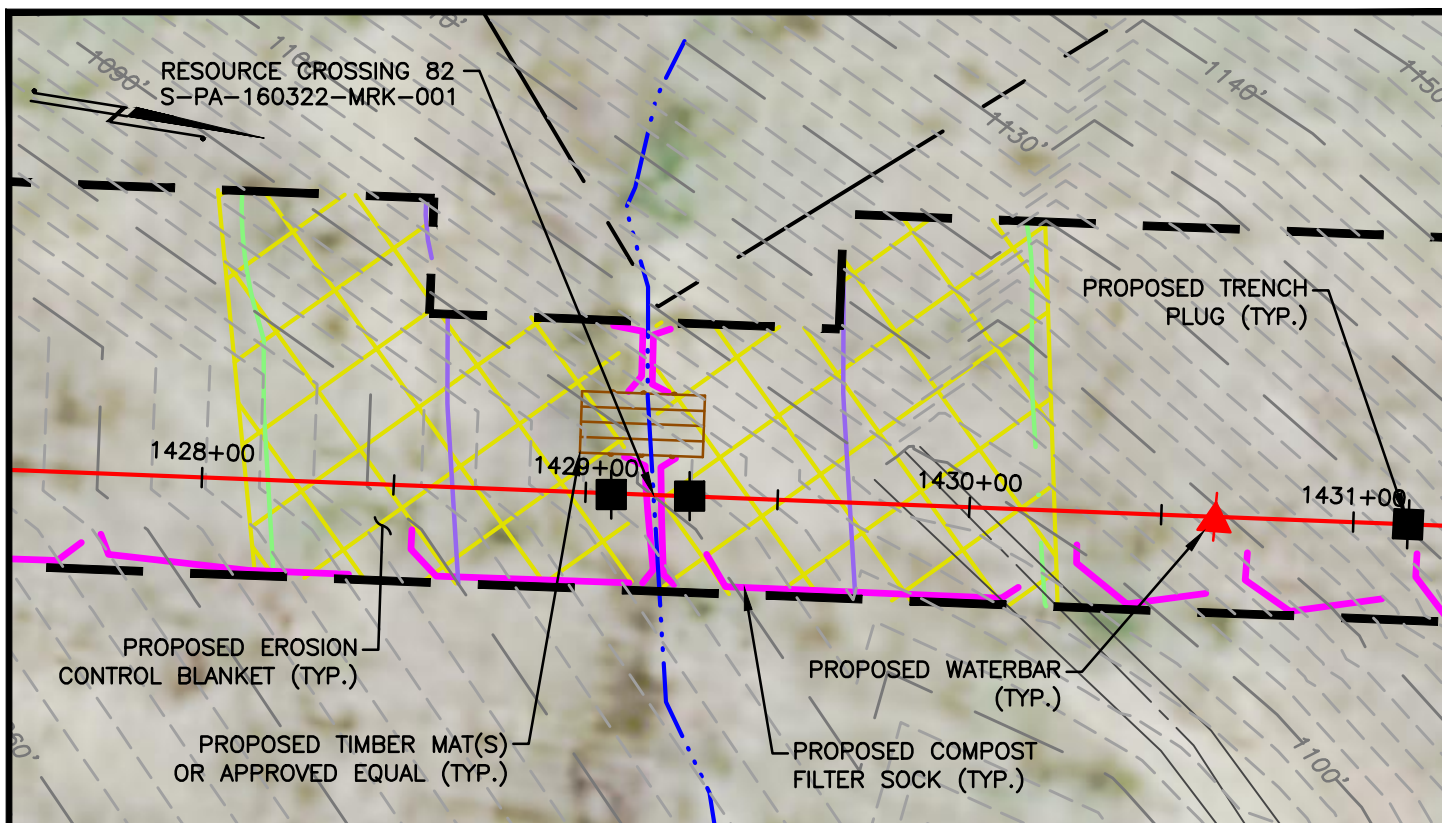


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS170 - RESOURCE CROSSING #80 & #81		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124634		

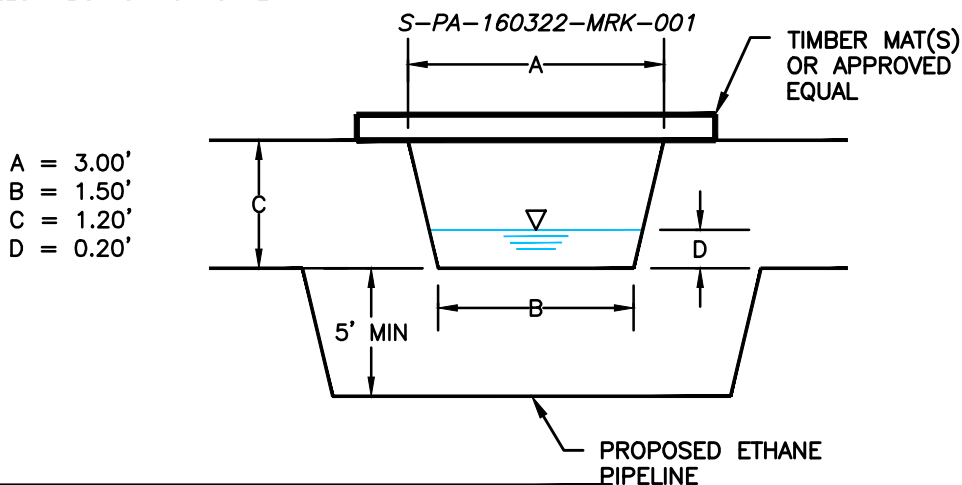
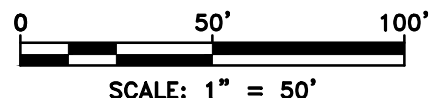
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\121-1-S01.DWG
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NOTES:

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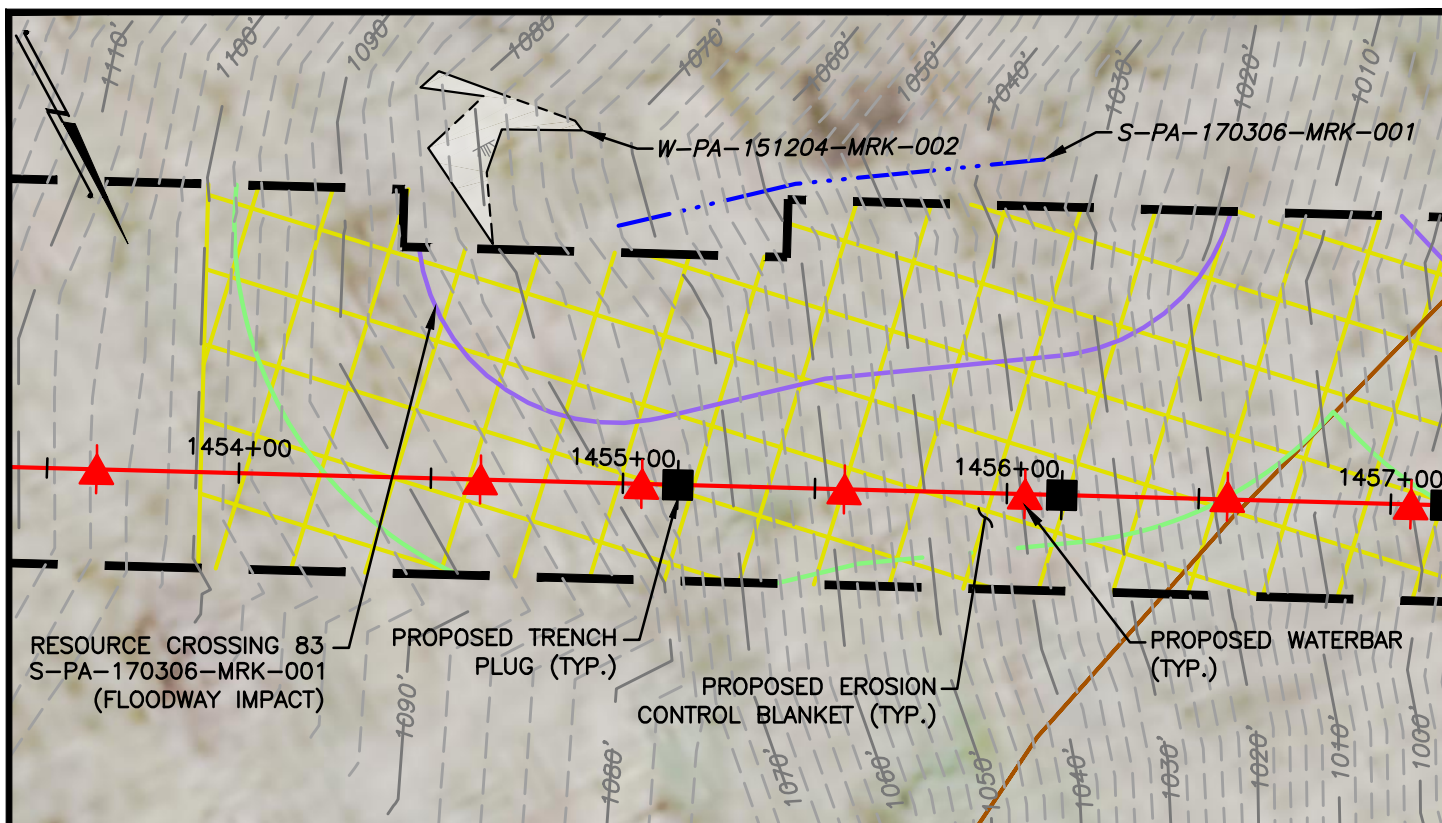


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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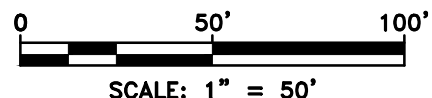
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SS171 - RESOURCE CROSSING #82		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124635

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NOTES:

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4. PIPELINE LOCATED 4 FEET MINIMUM BENEATH EXISTING GRADE.
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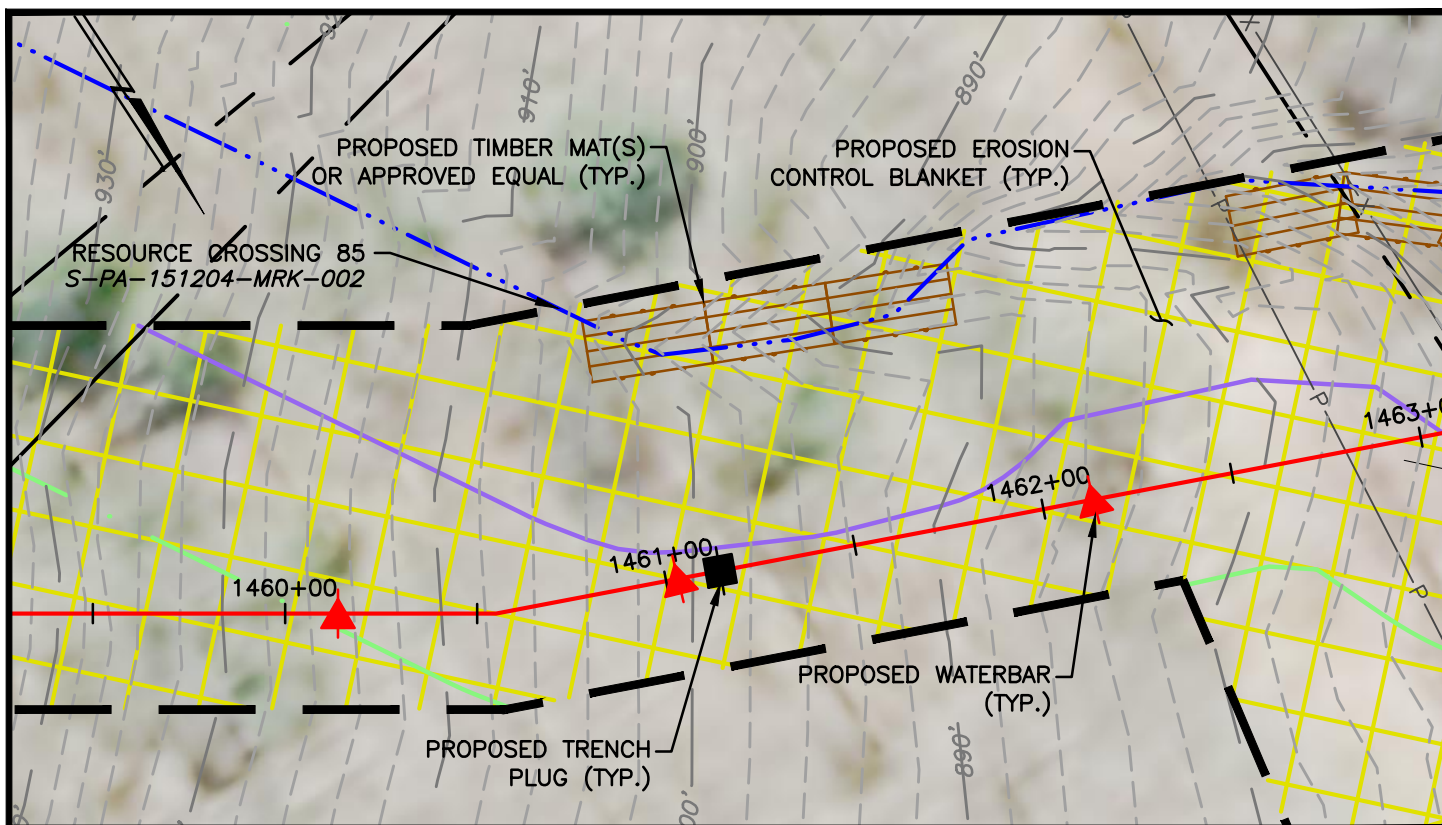


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS172 - RESOURCE CROSSING #83		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124636

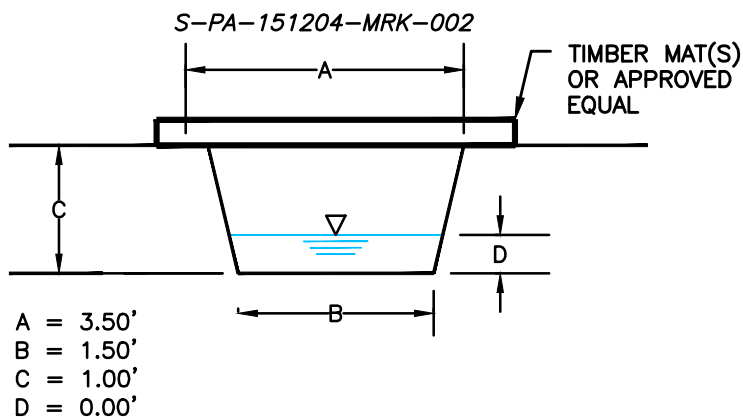
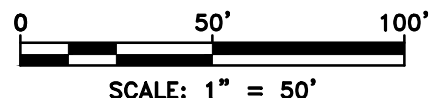
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\124-1-S01.DWG
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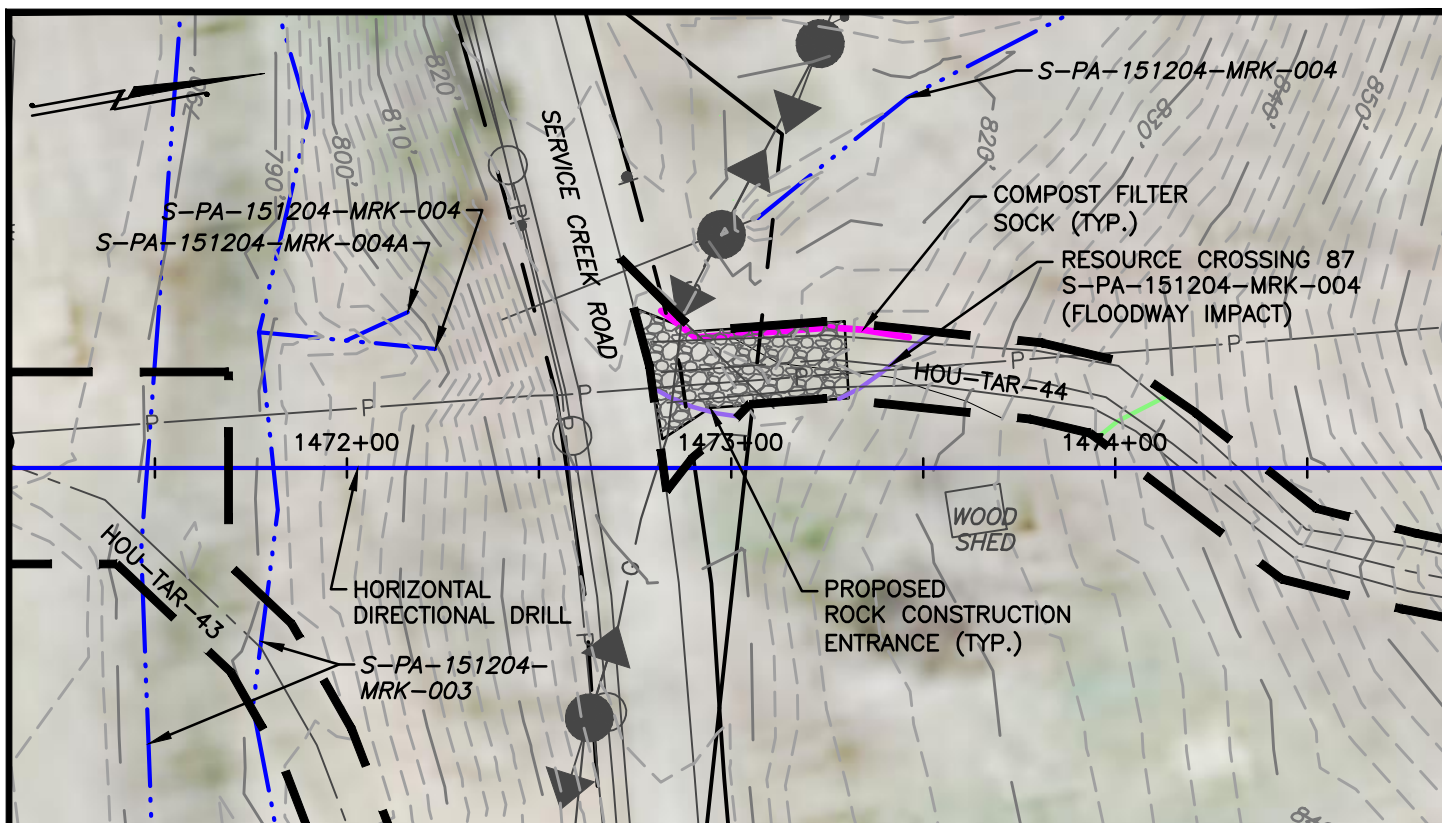
1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
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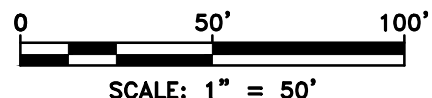
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FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS174 - RESOURCE CROSSING #85		
INDEPENDENCE TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124638		



NOTES:

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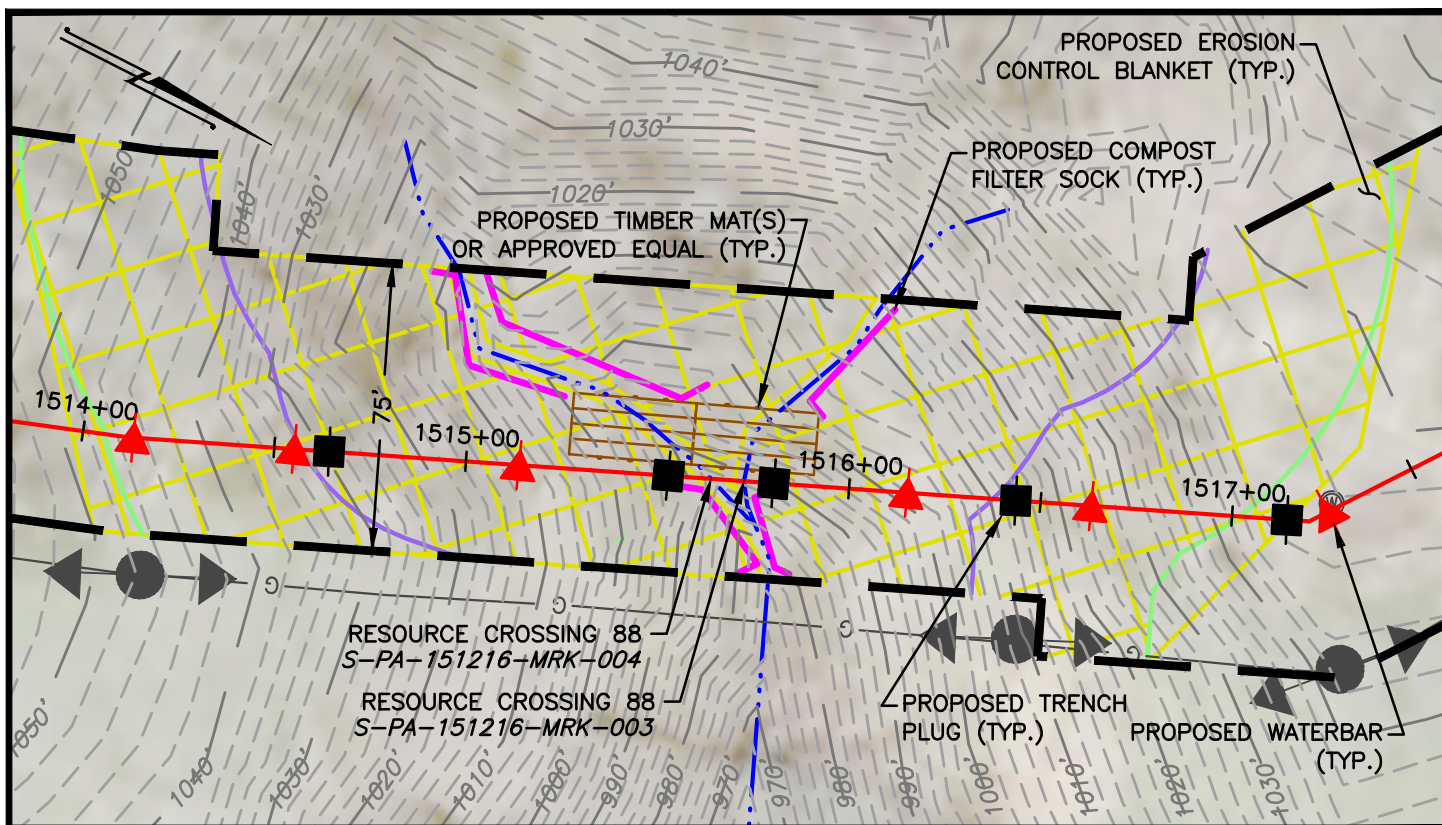


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW
REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS176 - RESOURCE CROSSING #87		
INDEPENDENCE TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124640		

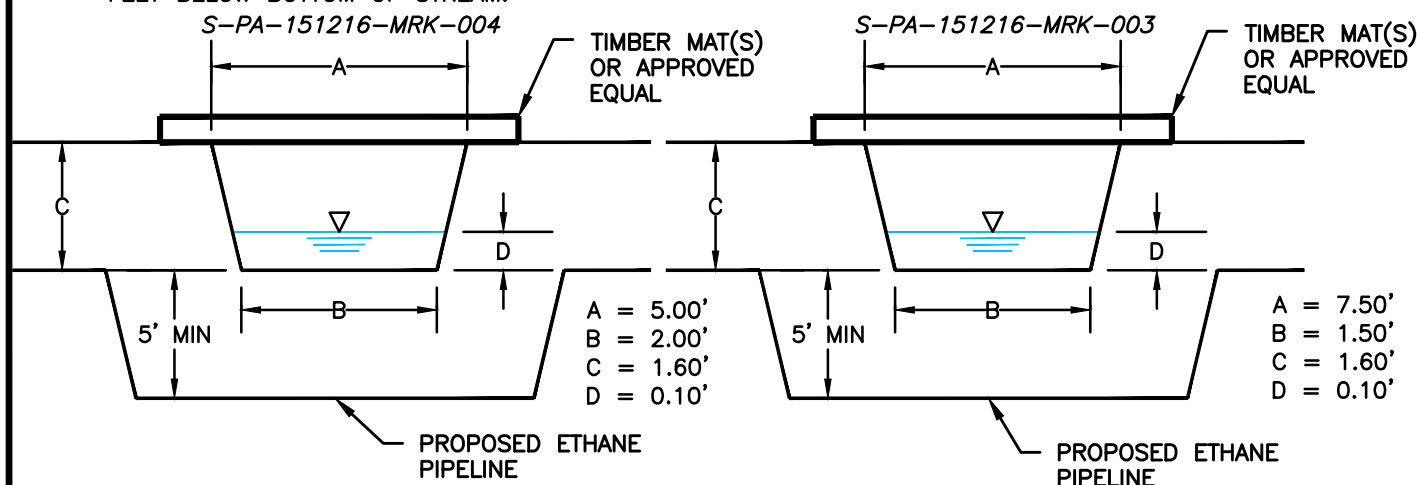
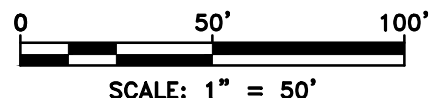
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\128-1-S01_S02.DWG
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NOTES:

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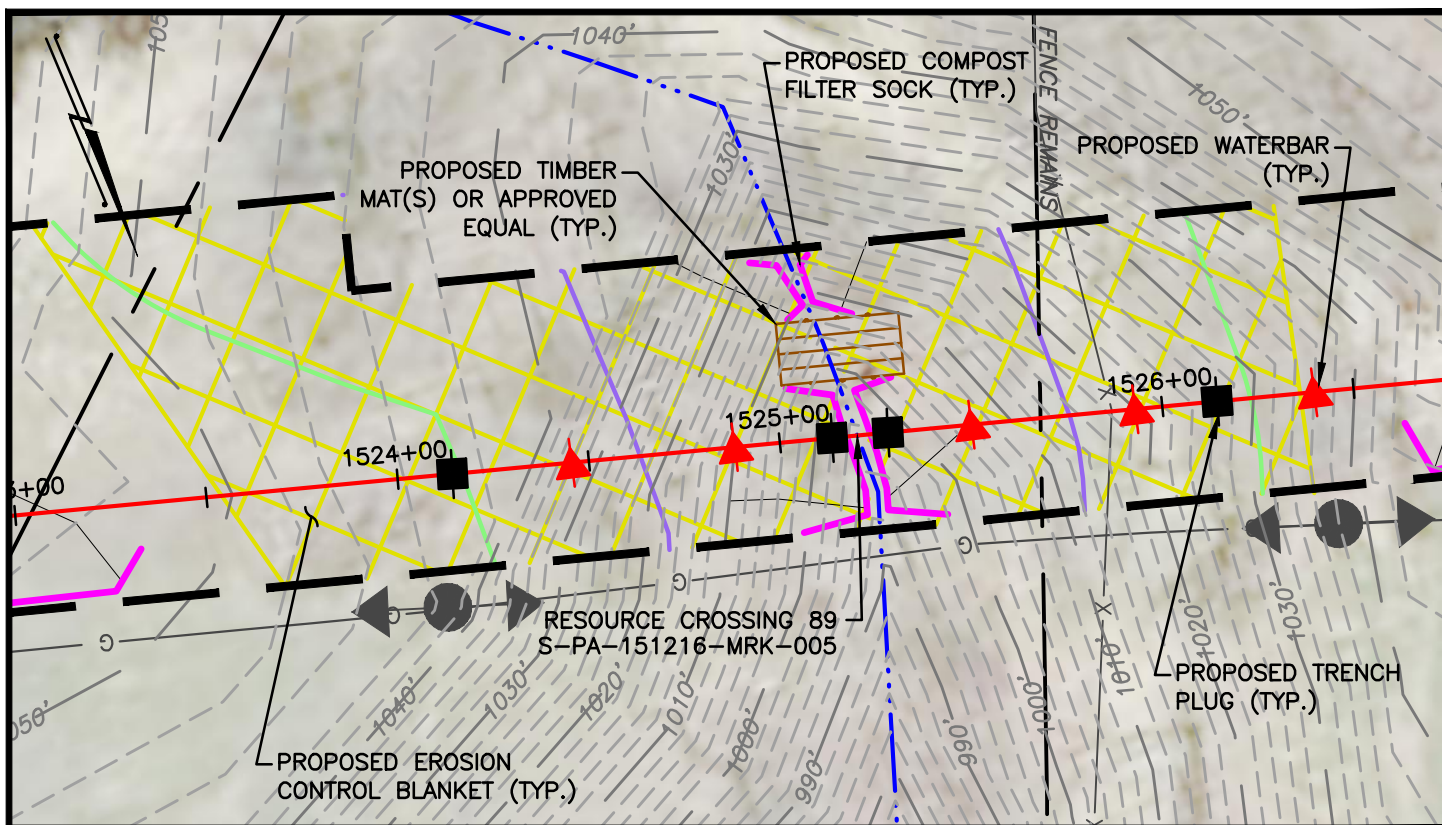


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS177 - RESOURCE CROSSING #88		
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BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124641		

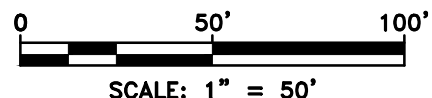
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Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\129-1-S01.DWG
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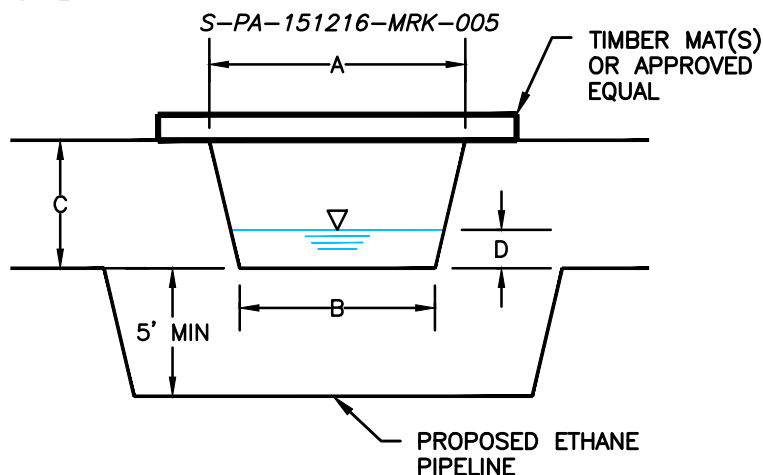


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A = 8.50'
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 D = 0.10'

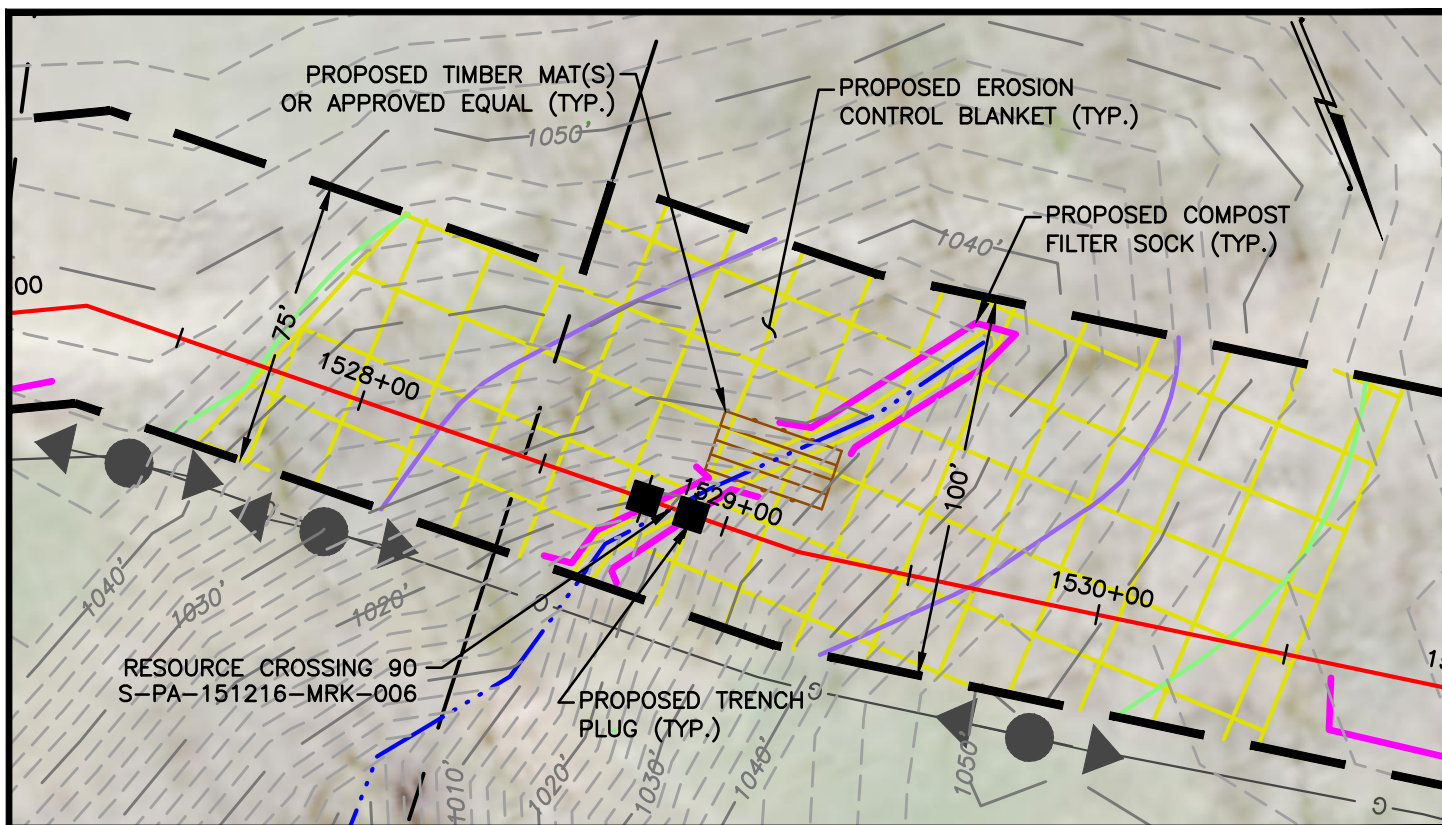


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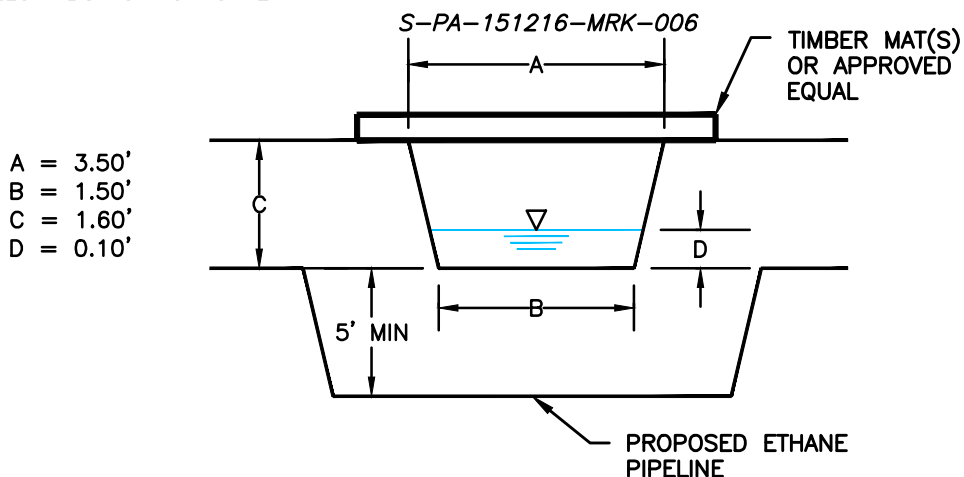
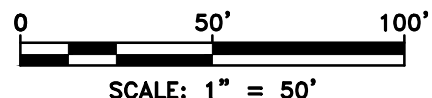
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INDEPENDENCE AND RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
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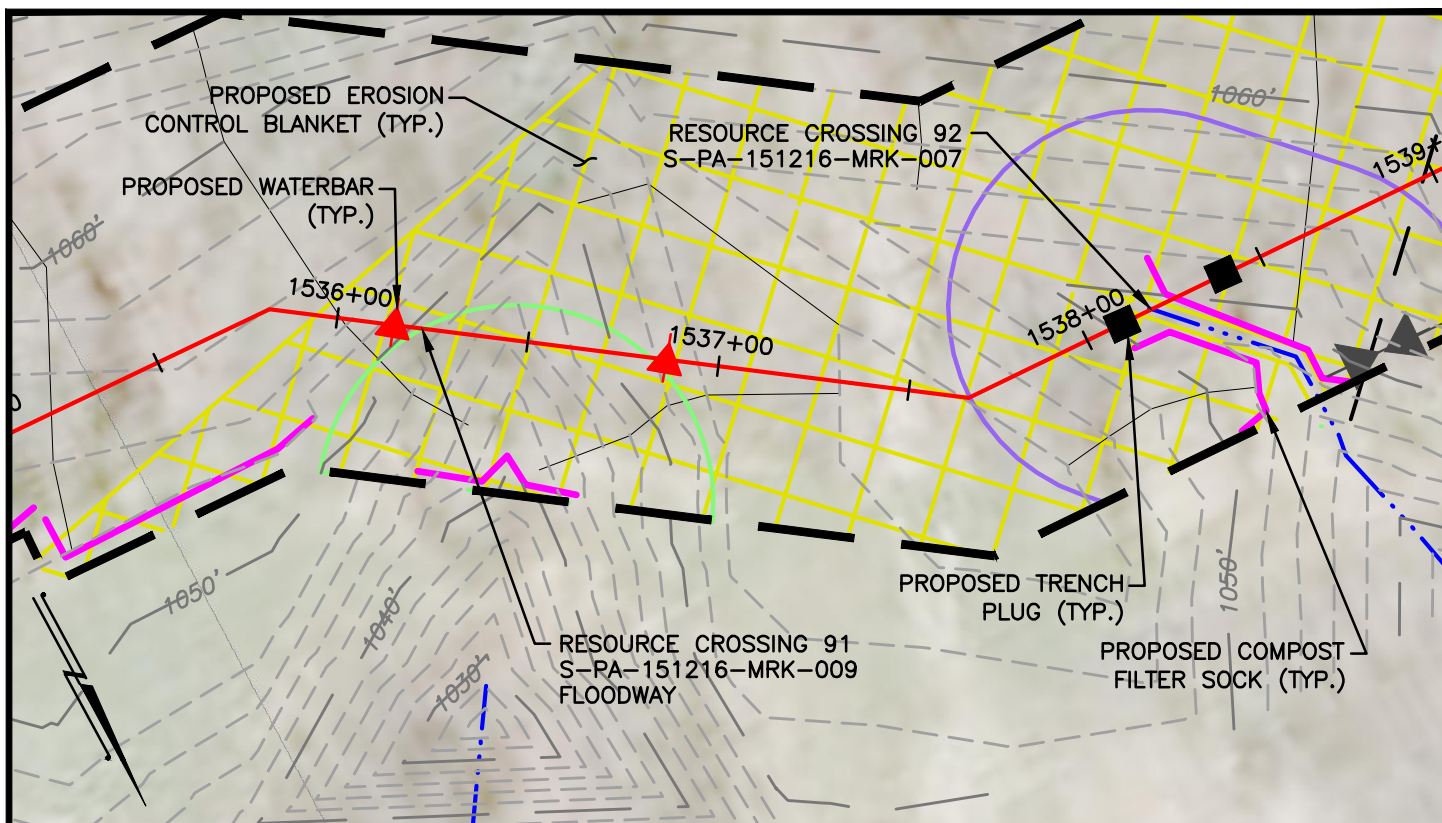


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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HOUSTON TO JUNCTION		
SS179 - RESOURCE CROSSING #90		
INDEPENDENCE AND RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124643		

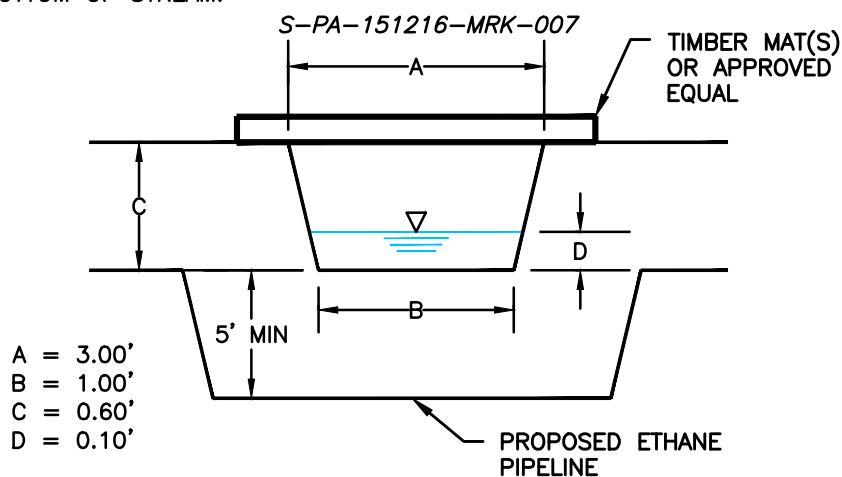
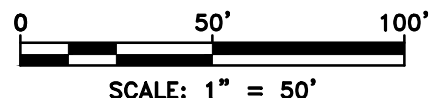
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\130-1-FW01-S01.DWG
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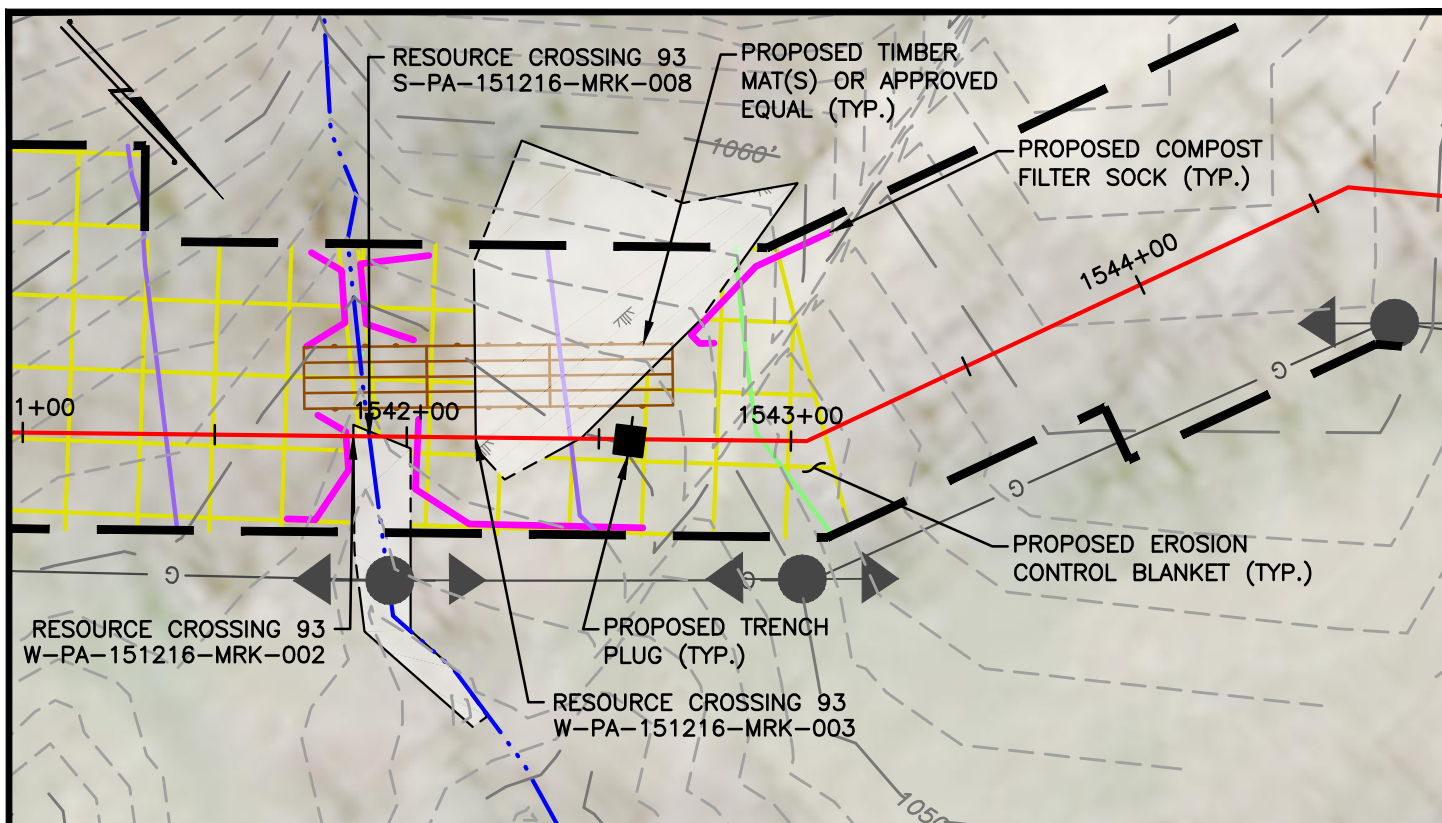


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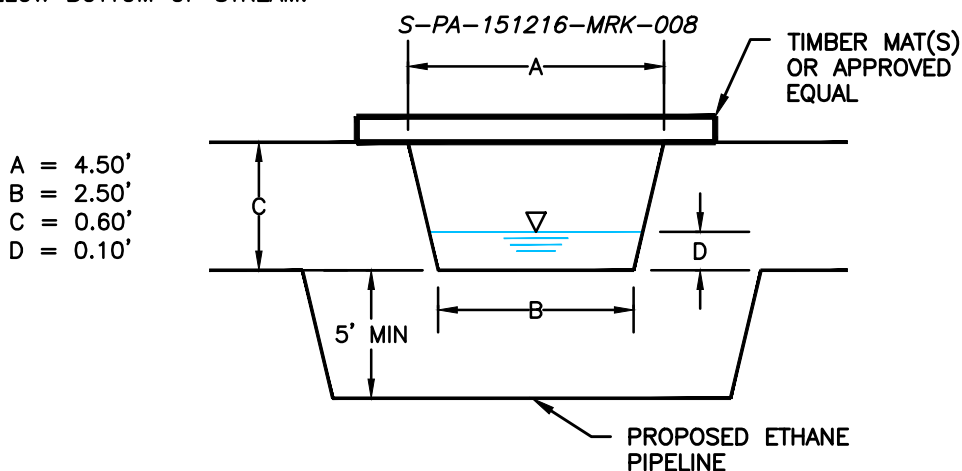
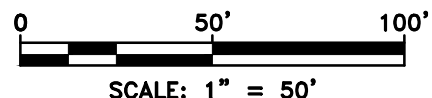
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HOUSTON TO JUNCTION		
SS180 - RESOURCE CROSSING #91 & #92		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
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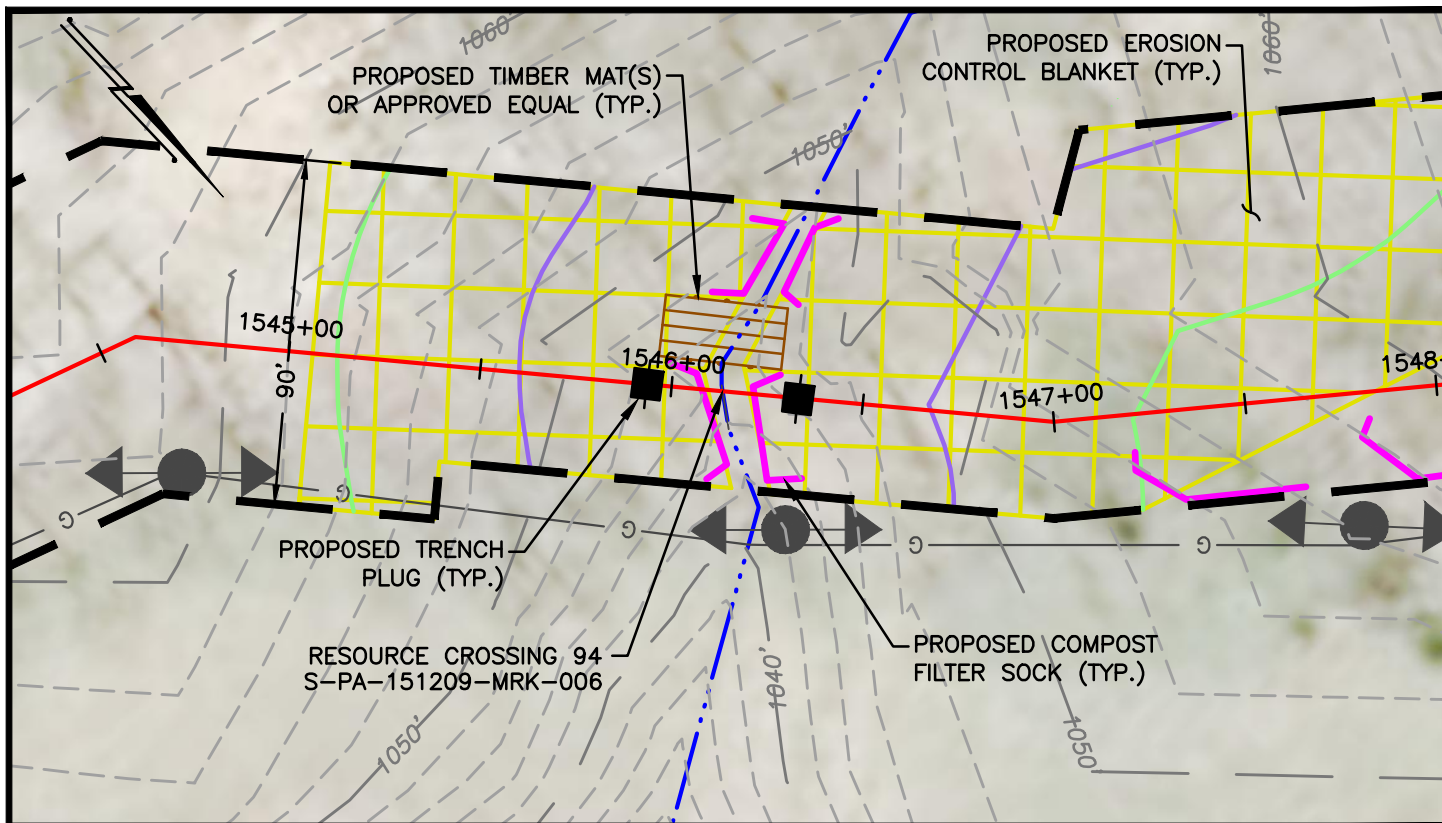


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS181 - RESOURCE CROSSING #93		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124645		

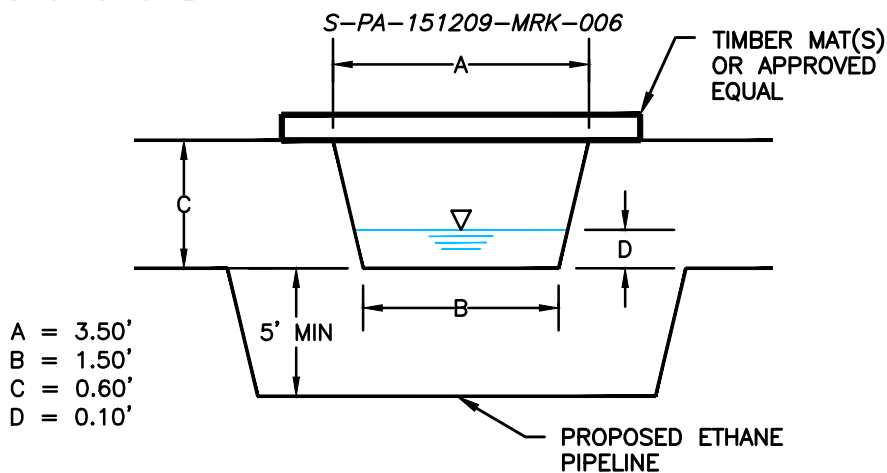
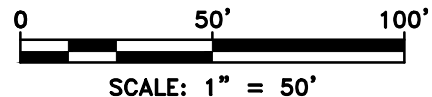
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

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Last saved by: IAN.M.MOORE (7/30/2018 1:18 PM) Last Plotted: 2018-07-31 (7/31/2018 3:19 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.

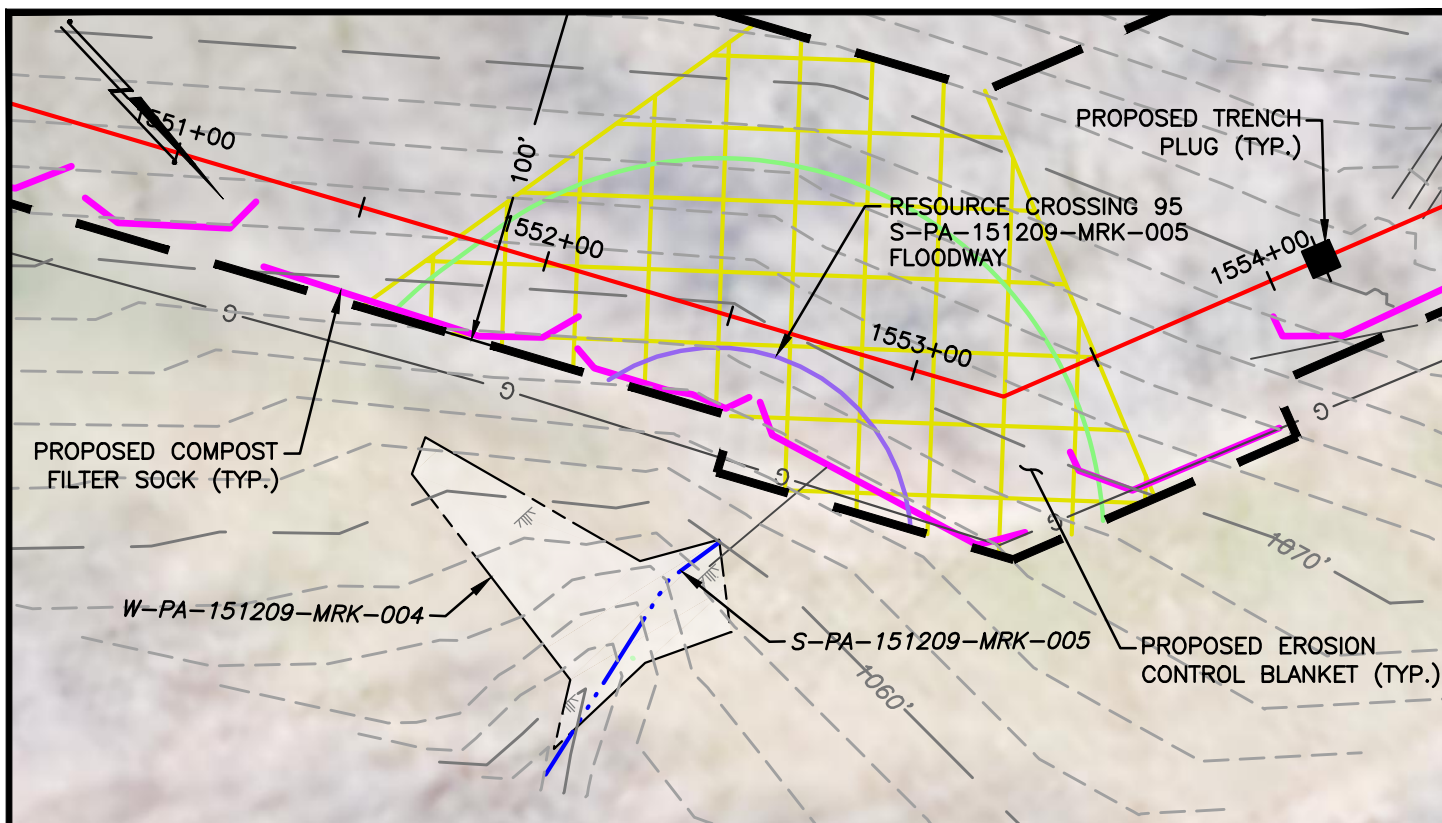


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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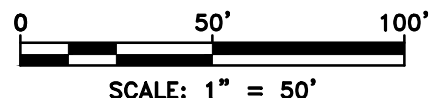
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HOUSTON TO JUNCTION		
SS182 - RESOURCE CROSSING #94		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124646

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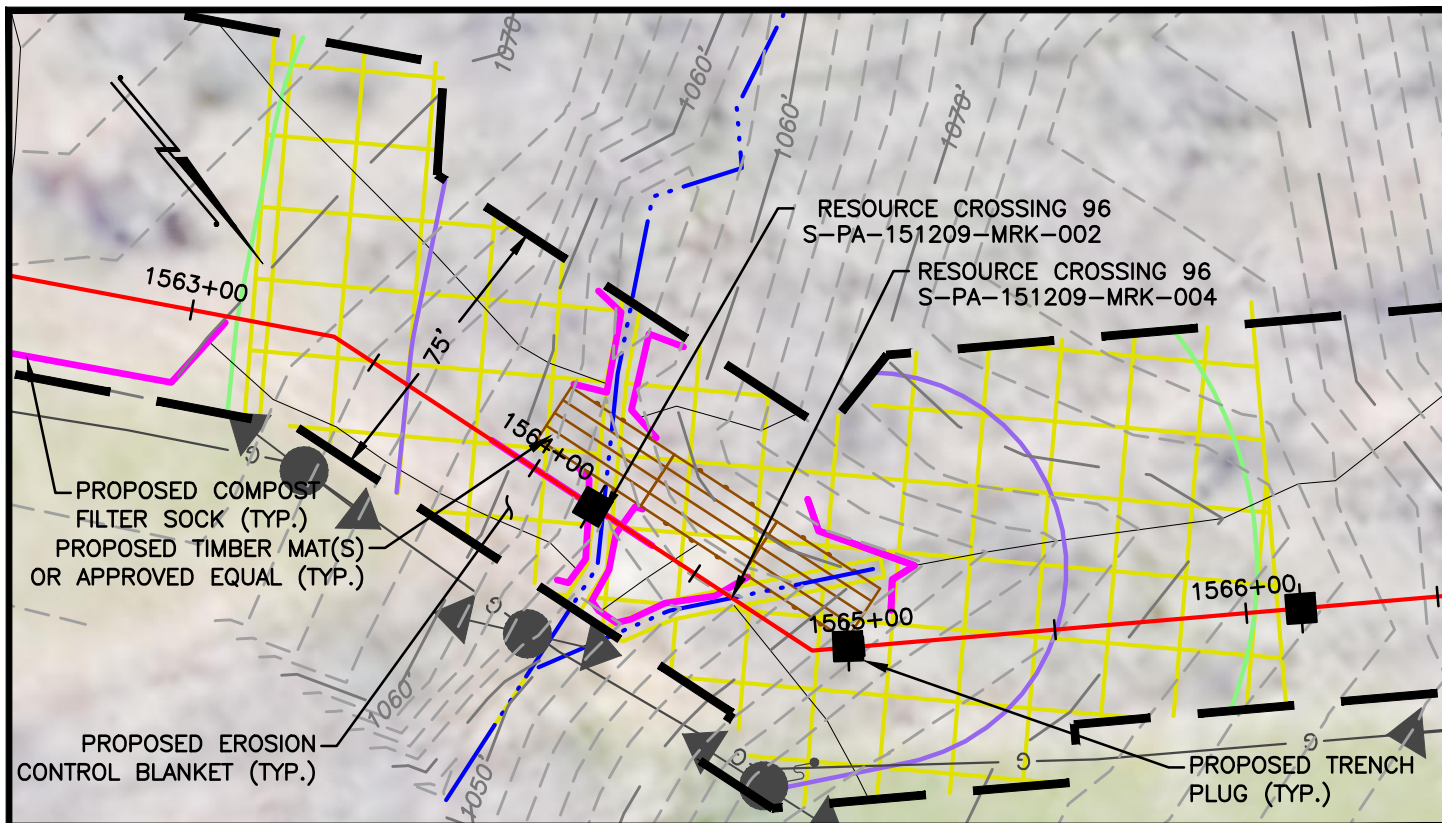


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS183 - RESOURCE CROSSING #95		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124647		

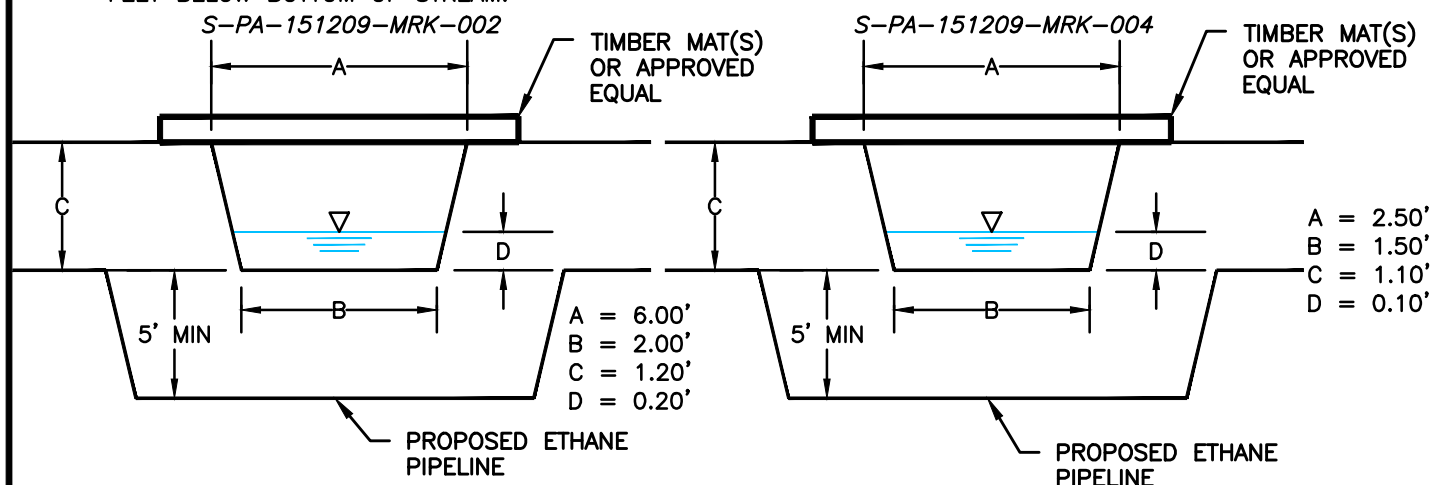
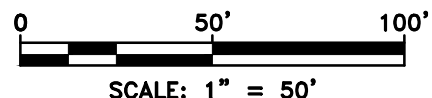
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Filename: Y:\PROJECTS\1747\SHALL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\132-1-S01_S02.DWG
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NOTES:

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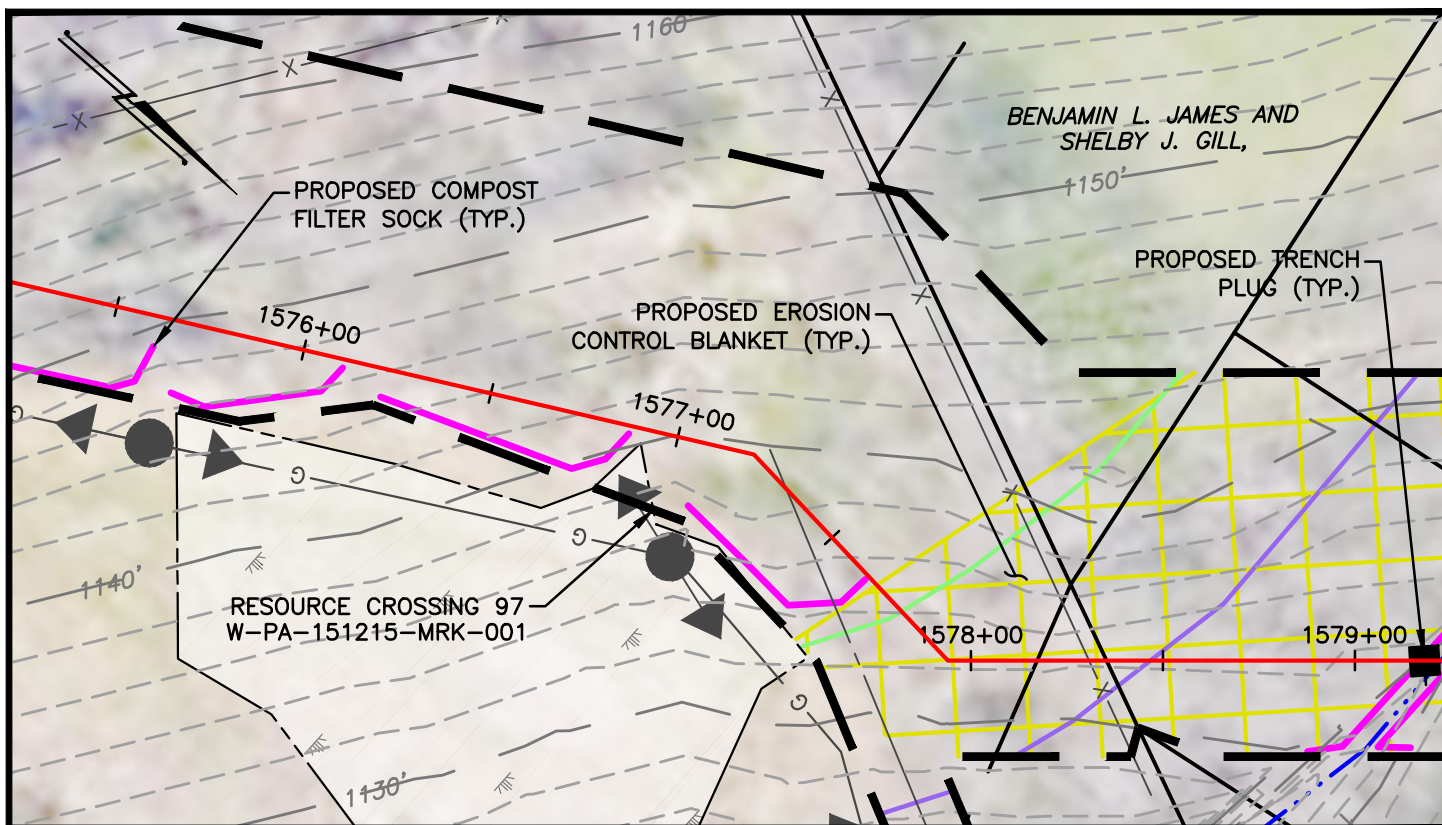


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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HOUSTON TO JUNCTION		
SS184 - RESOURCE CROSSING #96		
RACCOON TOWNSHIP		PA
BEAVER COUNTY,		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124648		

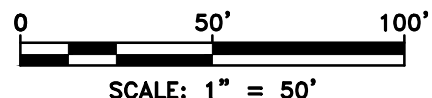
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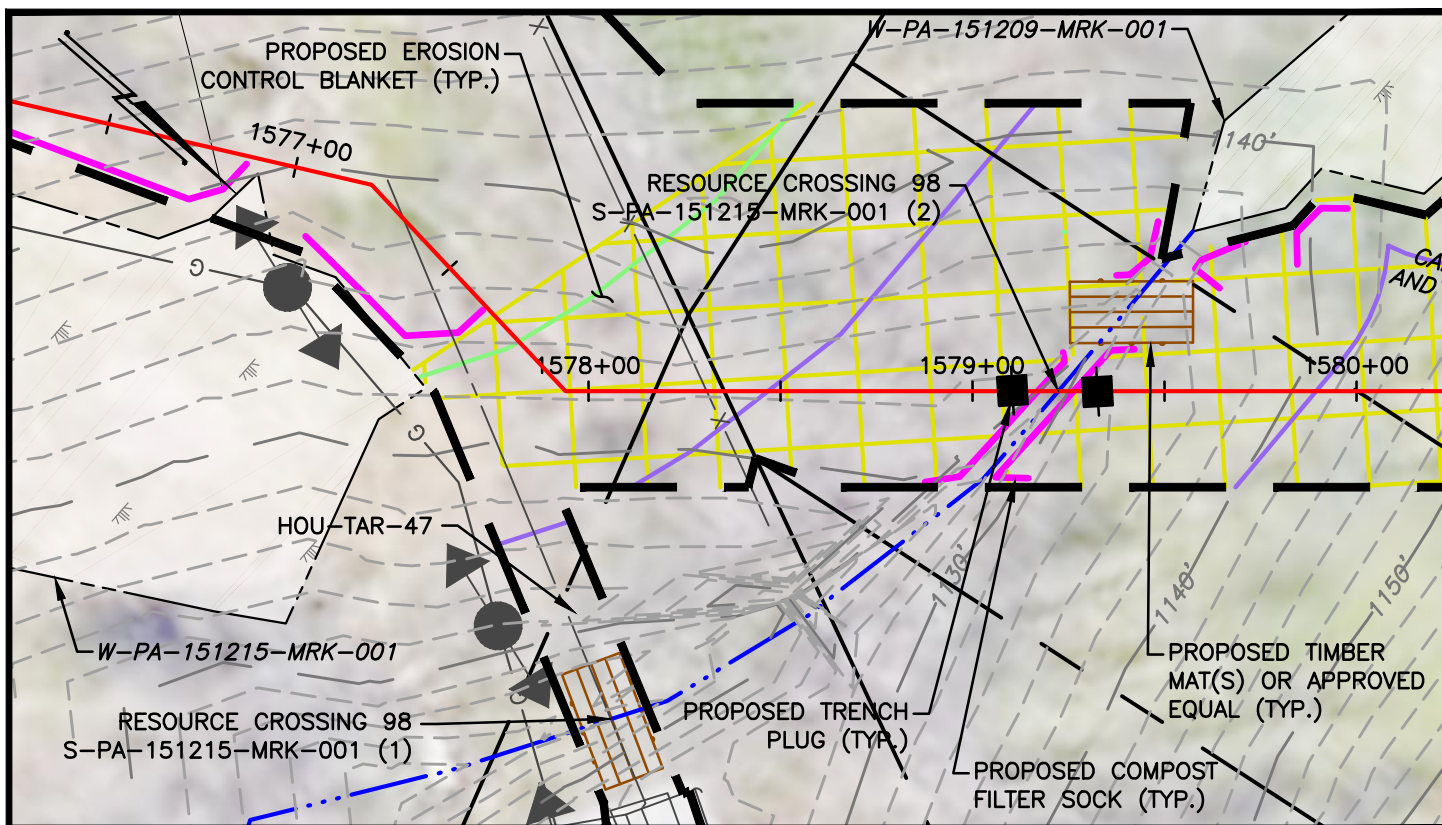


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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS185 - RESOURCE CROSSING #97		
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BEAVER COUNTY,		
DATE:	09/14/17	REV.
BY:	IMM	2
SPLC-GOM-AE-SA124649		

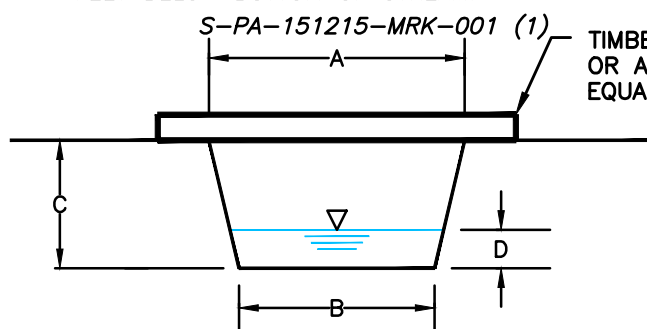
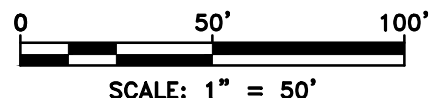
THIS DOCUMENT IS CONFIDENTIAL AND IT SHALL NOT BE REPRODUCED OR REDISTRIBUTED WITHOUT PRIOR PERMISSION. NEITHER THE OPERATOR NOR THE OWNER MAKE ANY WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED ON THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY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

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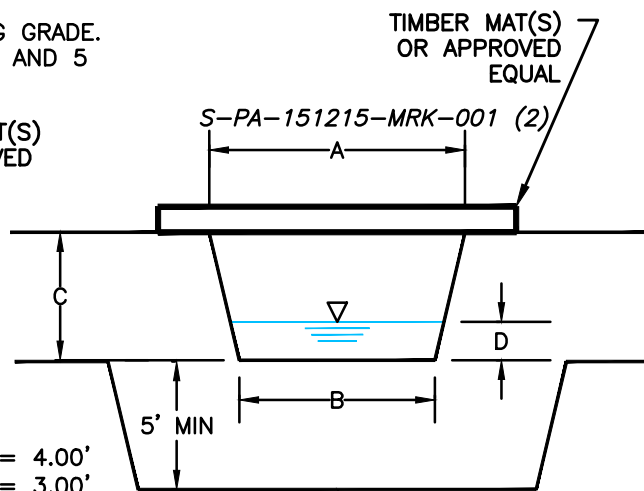


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A = 4.00'
 B = 3.00'
 C = 1.10'
 D = 0.10'



A = 4.00'
 B = 3.00'
 C = 1.10'
 D = 0.10'

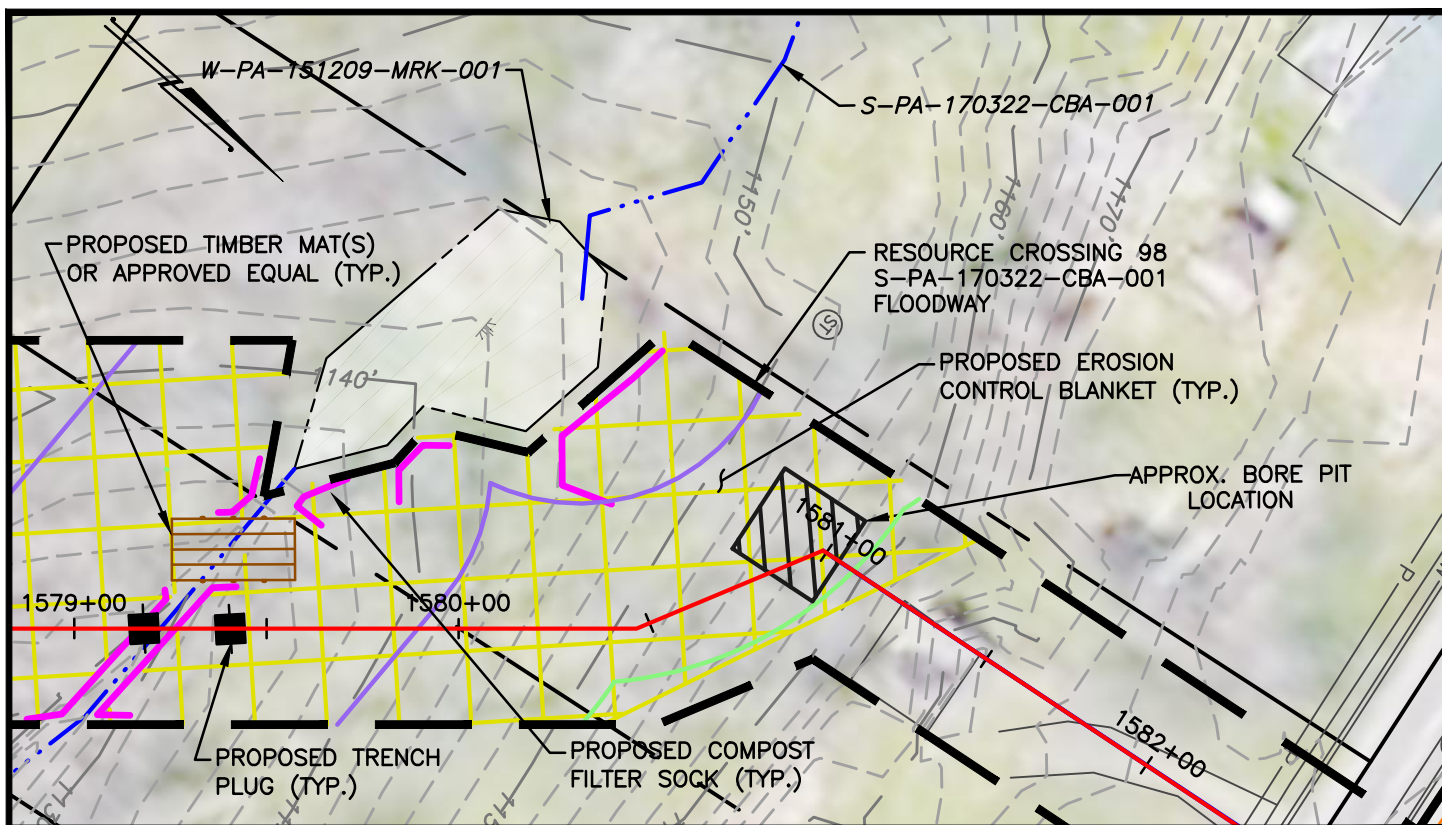
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0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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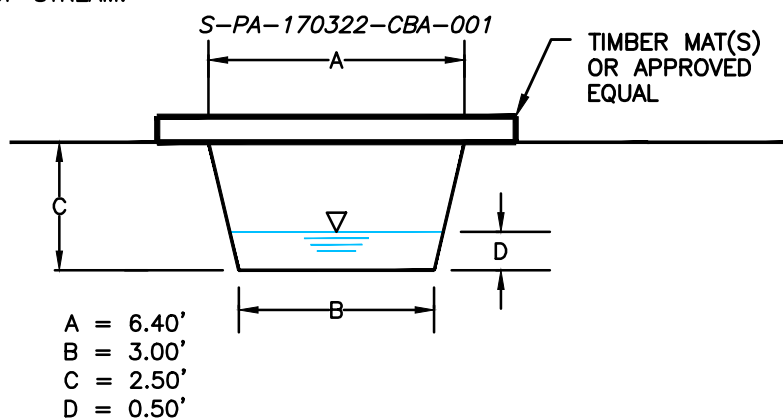
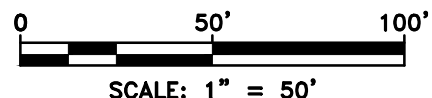
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS186 - RESOURCE CROSSING #98		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124650

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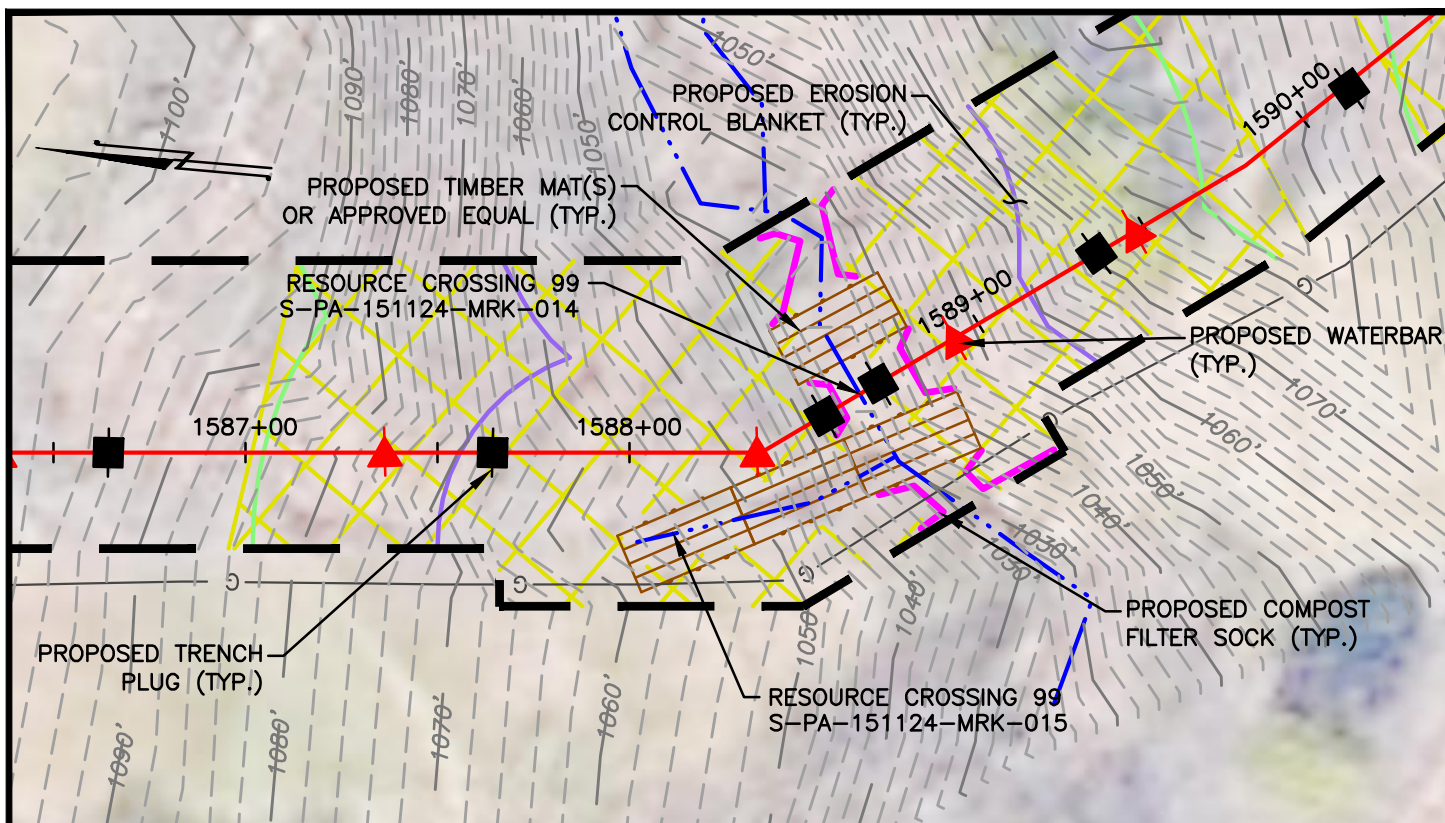


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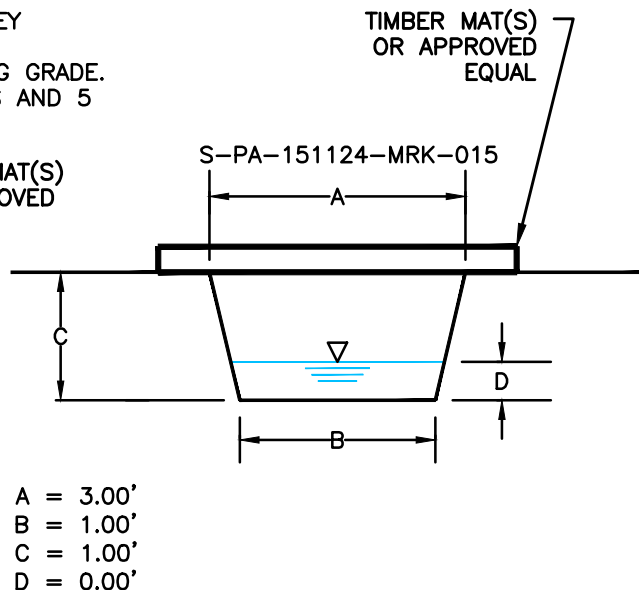
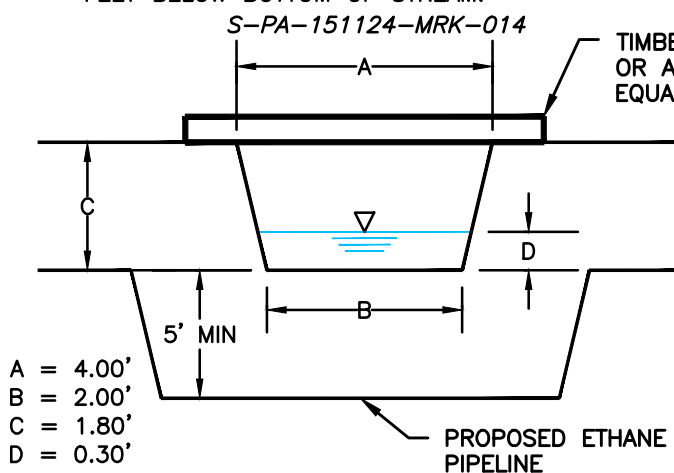
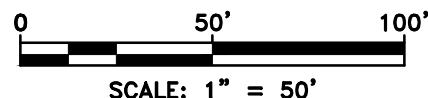
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HOUSTON TO JUNCTION		
SS187 - RESOURCE CROSSING #98		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	
SPLC-GOM-AE-SA124651		

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 Last saved by: IAN.M.MOORE (7/30/2018 12:47 PM) Last Plotted: 2018-07-31 (7/31/2018 3:25 PM)



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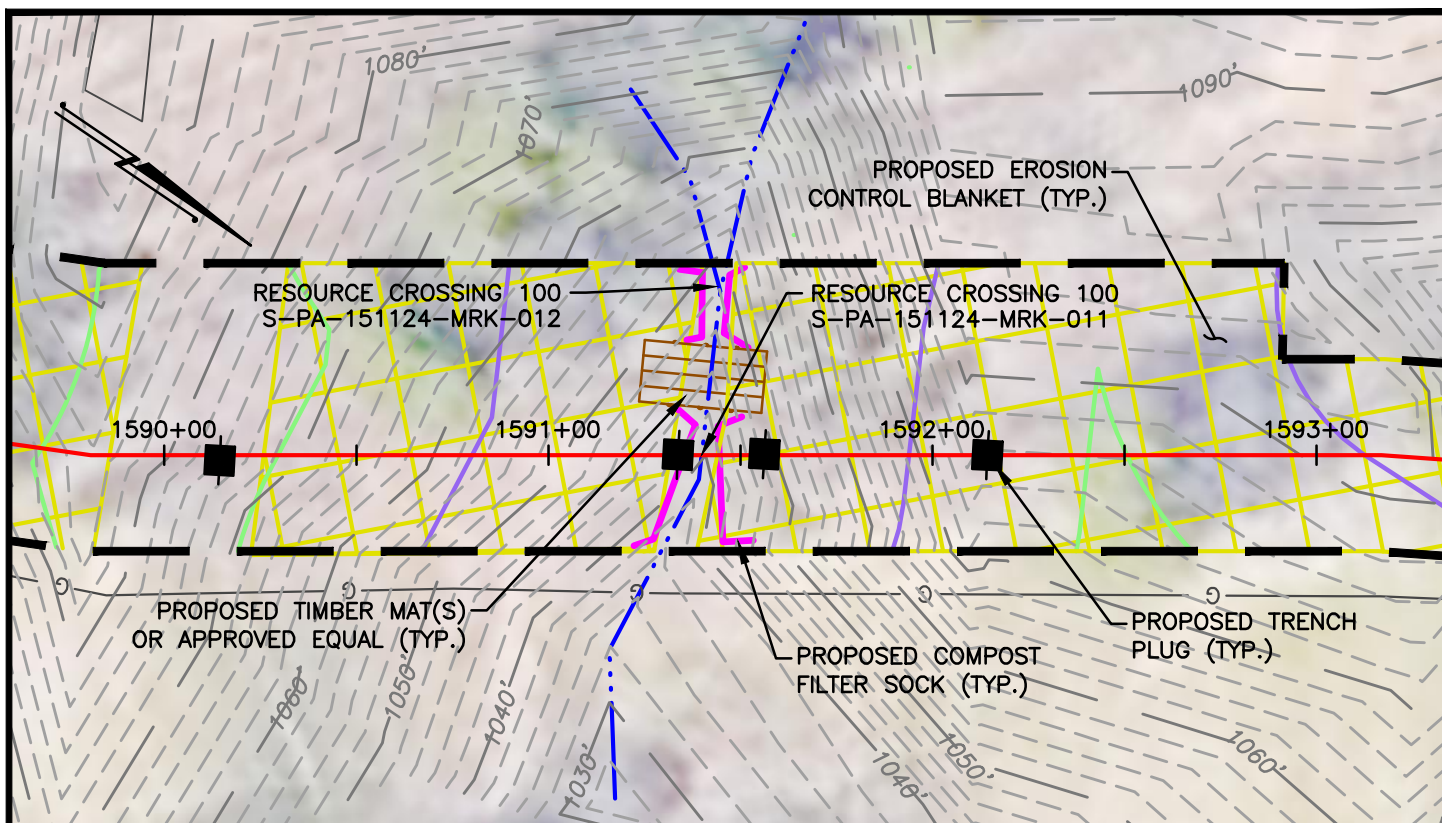


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1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
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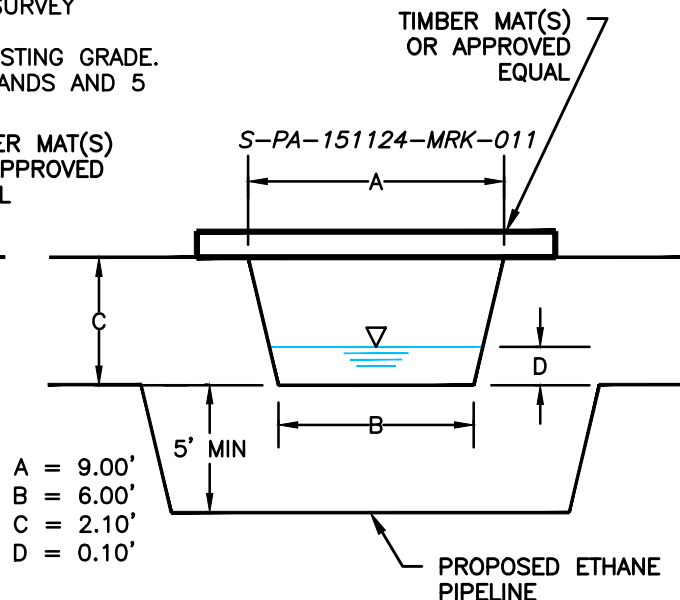
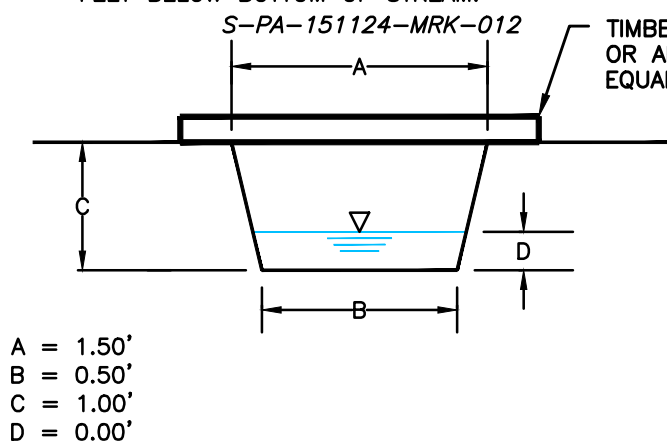
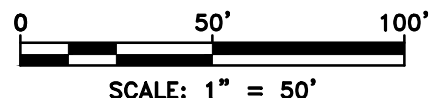
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HOUSTON TO JUNCTION		
SS188 - RESOURCE CROSSING #99		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124652

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 Last saved by: IAN.M.MOORE (7/30/2018 12:30 PM) Last Plotted: 2018-07-31 (7/31/2018 3:26 PM)



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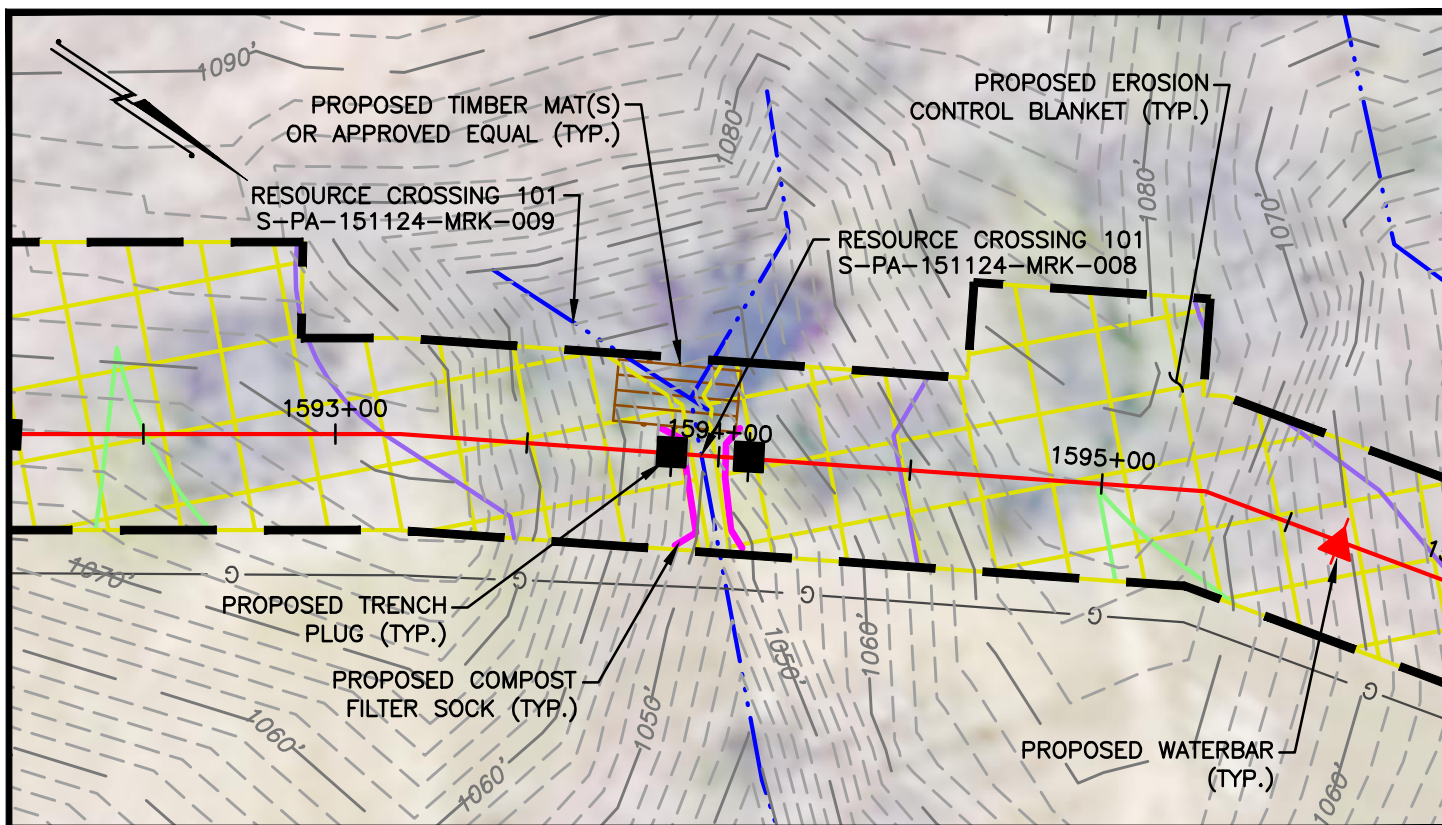


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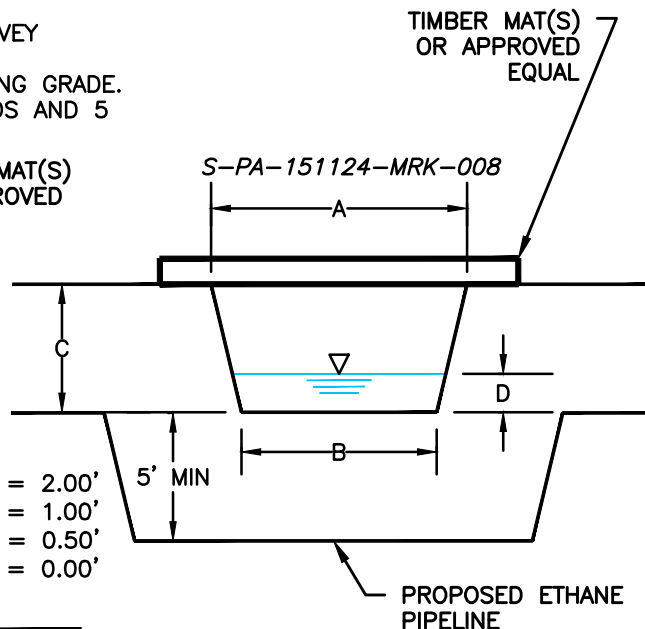
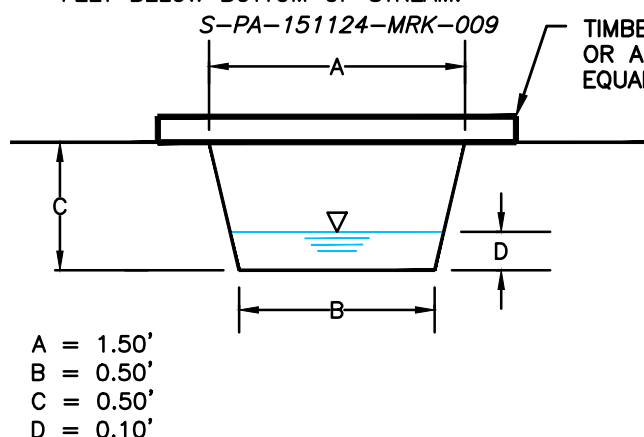
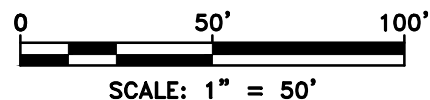
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BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124653

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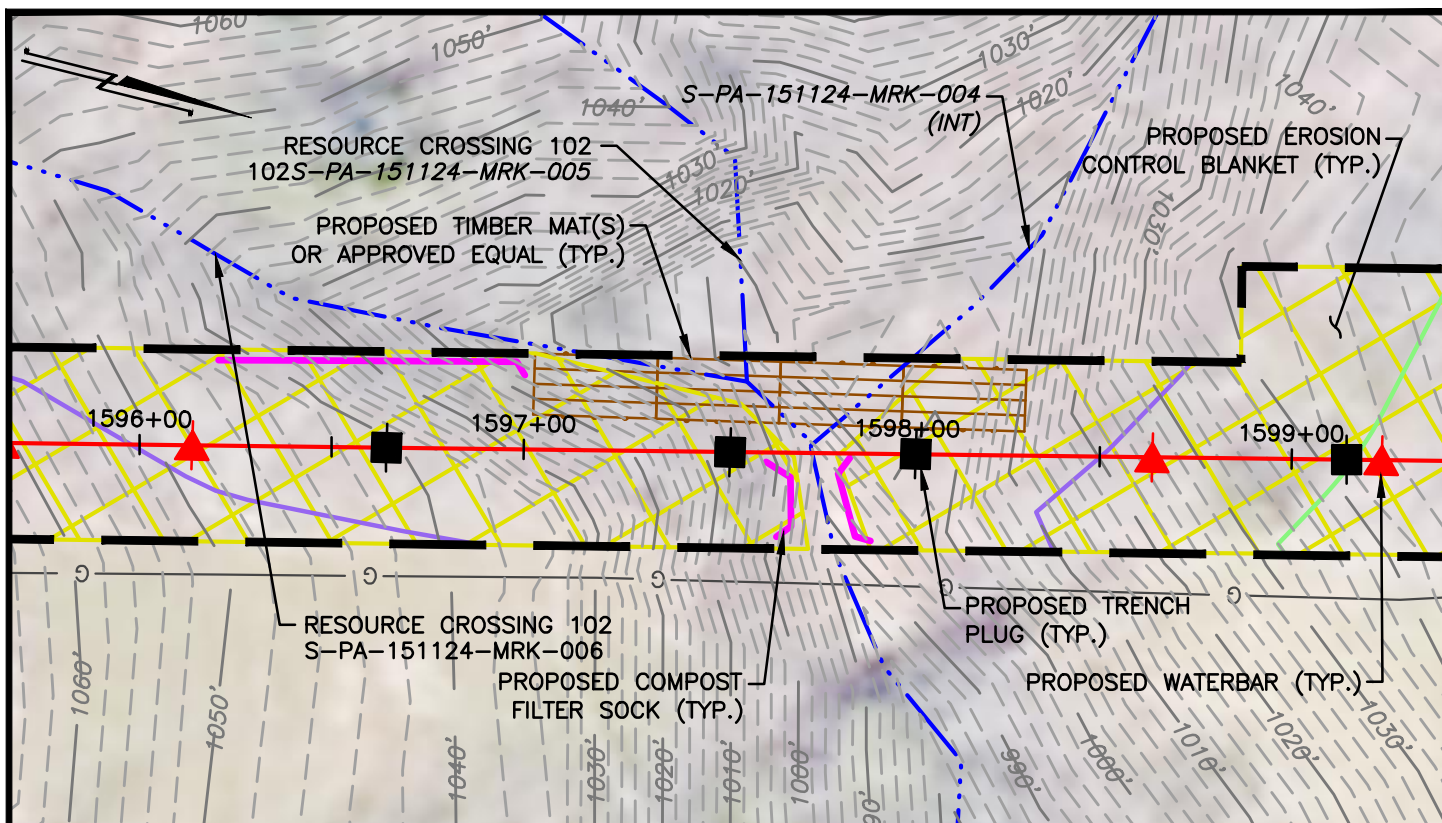


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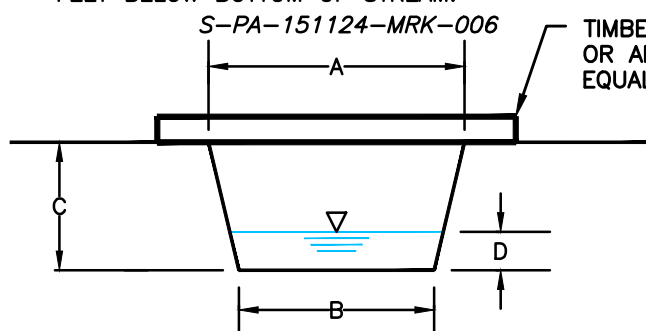
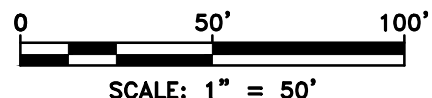
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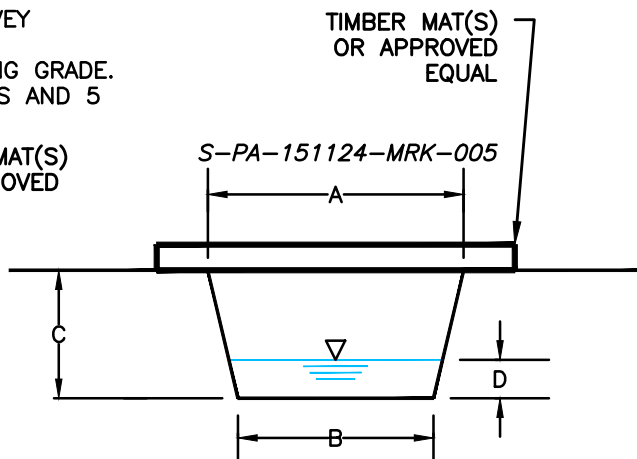


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A = 6.50'
 B = 1.50'
 C = 1.60'
 D = 0.10'



A = 2.00'
 B = 1.00'
 C = 0.50'
 D = 0.00'

REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
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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

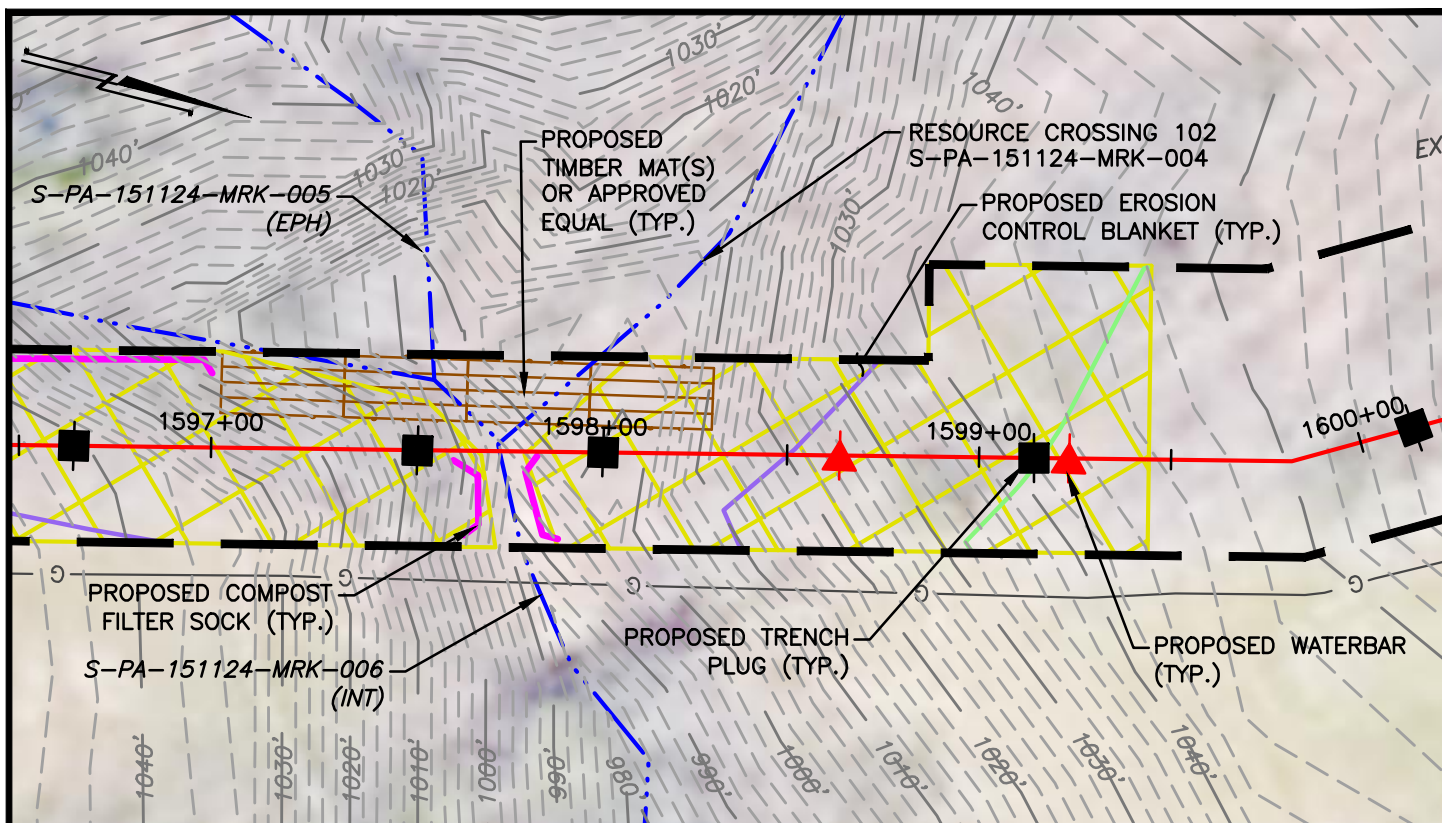
**FALCON ETHANE PIPELINE SYSTEM
 HOUSTON TO JUNCTION**

**SS191 - RESOURCE CROSSING #102
 RACCOON TOWNSHIP
 BEAVER COUNTY, PA**

DATE: 09/14/17
 BY: IMM
 SPLC-GOM-AE-SA124655
 REV. 2

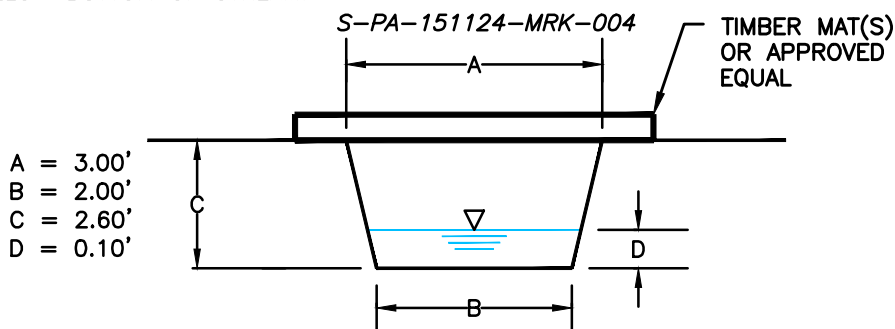
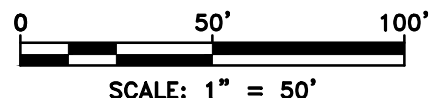
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Filename: Y:\PROJECTS\1747\SH\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\135-4-S03.DWG
 Last saved by: IN.M.MOORE (7/30/2018 12:37 PM) Last Plotted: 2018-07-31 (7/31/2018 3:28 PM)



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
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS192 - RESOURCE CROSSING #102		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124656

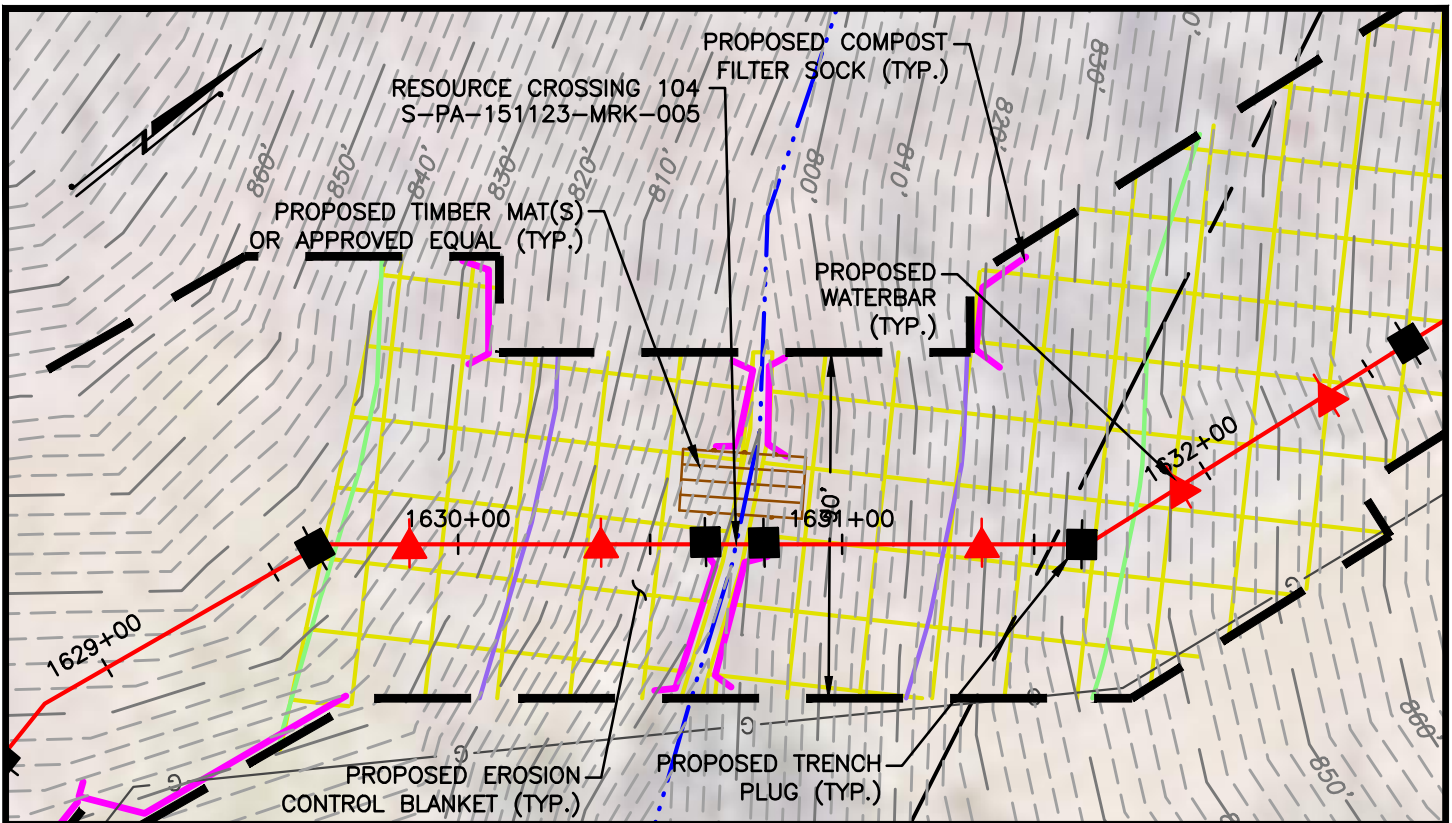
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A = 16.00'
B = 10.00'
C = 2.40'
D = 0.40'

DATE:	09/14/17	SPLC-GOM-AE-SA124657	REV.
BY:	IMM		2

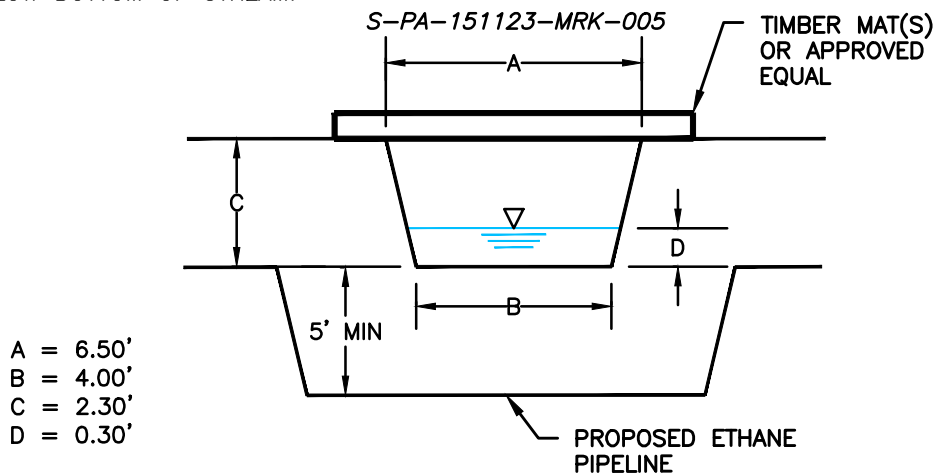
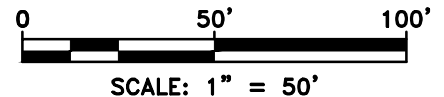
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Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\138-2-S02.DWG
Last saved by: IAN.M.MOORE (7/30/2018 12:34 PM) Last Plotted: 2018-07-31 (7/31/2018 3:30 PM)



NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
2. WETLAND INFORMATION BASED ON FIELD DELINEATION PERFORMED BY AECOM.
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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.

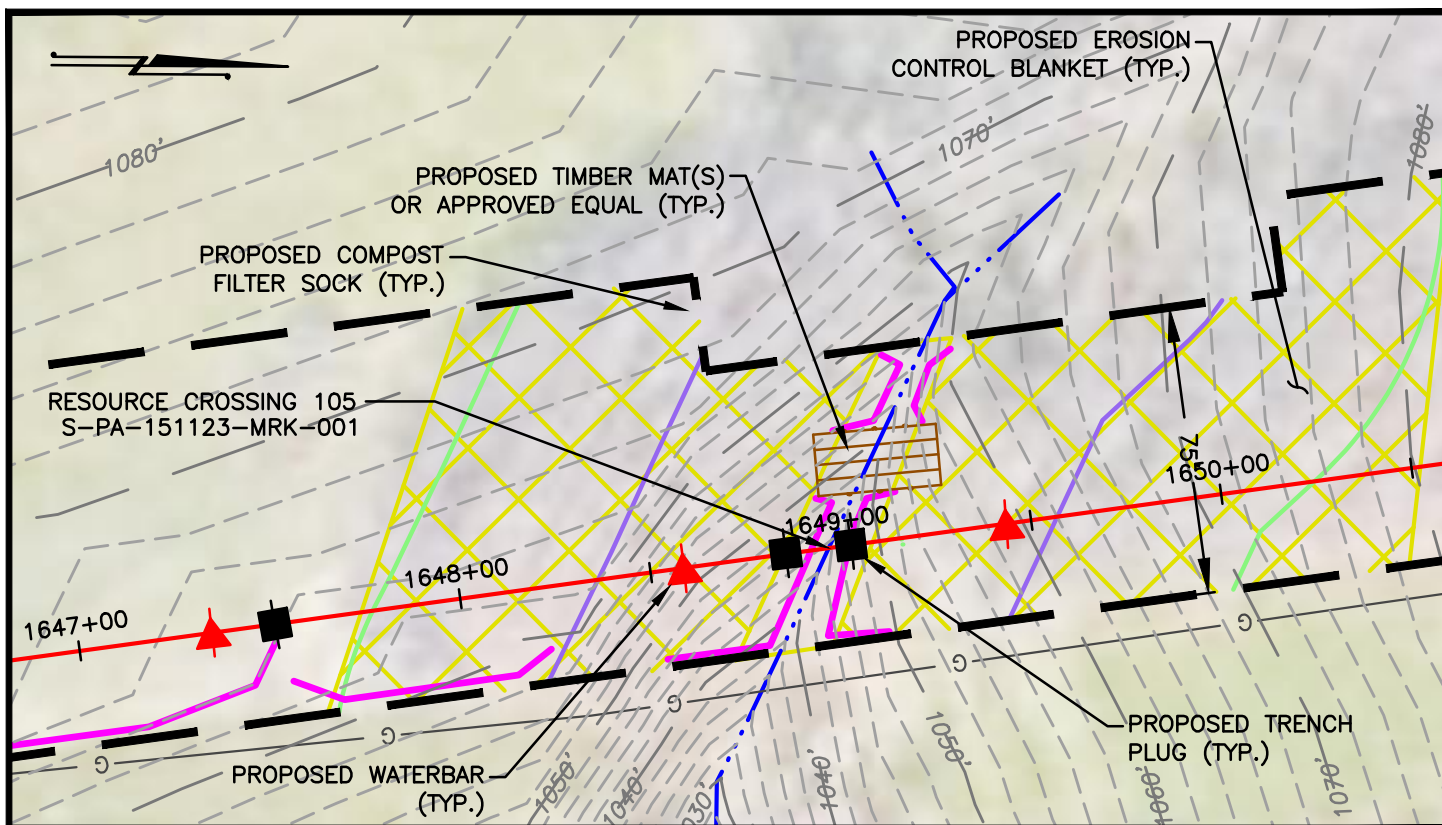


REV	DATE	DESCRIPTION OF REVISION	DWN	CHK	APP
2	08/01/18	REVISED PER DEP COMMENTS ON 06/01	TLM	ARG	BW
1	11/10/17	REVISED PER DEP COMMENTS ON 10/11	TLM	NS	JR
0	9/14/17	ISSUED FOR PERMIT	IMM	NS	BW

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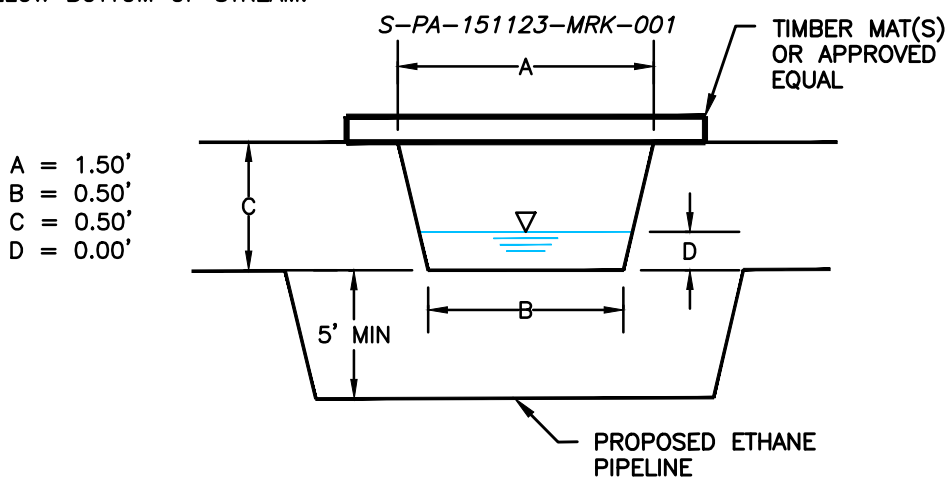
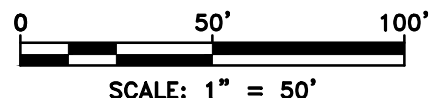
FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS194 - RESOURCE CROSSING #104		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124658

Filename: Y:\PROJECTS\1747\SHLL\60489885 - FALCON\900-WORK\911-ENVIRONMENTAL\20-SHEETS\SITESPECIFICS\PENNSYLVANIA\139-1-S01.DWG
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NOTES:

1. FOR RESOURCE IMPACTS SEE AQUATIC RESOURCE TABLE INCLUDED IN THIS APPLICATION PACKAGE
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FALCON ETHANE PIPELINE SYSTEM		
HOUSTON TO JUNCTION		
SS195 - RESOURCE CROSSING #105		
RACCOON TOWNSHIP		
BEAVER COUNTY, PA		
DATE:	09/14/17	REV. 2
BY:	IMM	SPLC-GOM-AE-SA124659