

Doddridge County, WV Floodplain Management

This permit gives approval for the development/project listed that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible and must remain posted during entirety of development.

Permit #: 24-645

Date Approved: February 26, 2024

Expires: February 26, 2025

Issued to: Antero Midstream

POC: Anthony Ludovici

Company Address: 535 White Oaks Blvd. Bridgeport, WV 26330

Project Address: 2424 Rt. 23N Salem, WV 26426

Firm: 54017C0160C

Lat/Long: 39.334243, -80.577049

Purpose of development: New 6" High Pressure Pipeline

Issued by: George C. Eidel, Doddridge County FPM (or designee)

Date: February 26, 2024

	KLEINFELDER OFFICE CHEC	CKING		13924
PAY TO THE ORDER OF_	Doddridge Coun	Lammission	DATE 1/22/202	19-10/1250 350.00
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FOR	240034020 801A / 12 10 134 21,111 4: 1 2500	501051: 1575198692	SI Har	
	FP#2	4-645		



Doddridge County Floodplain Permits

(Week of February 5, 2024)

Please take notice that on the (1st) of (February), 2024, (Antero Midstream) filed an application for a Floodplain Permit (#24-645) to develop land located at or about (2424 Route 23 North); Coordinates: 39.334243, -80.577049. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance with WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (February 6, 2024) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 101 Church Street, Suite #102, West Union, WV 26456. This project is for a new 6 inch high pressure pipeline.

GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager

FLOODPLAIN PERMIT #24-645

Antero Midstream, 2424 RT 23N, New 6" High Pressure Pipeline, 93.334243, -80.577049

TASK	COMPLETE (DATE)	NOTES
CHECK RECEIVED	2/2/24	
US ARMY CORP.		See Attached Sheet
ENGINEERS (USACE)		
US FISH & WILDLIFE		See Attached Sheet
SERVICES (USFWS)		and the state of the state of
WV DEPT. NATURAL		See Attached Sheet
RESOURCES (WVDNR)		A STATE OF THE STA
WV DEPT. ENVIROMENTAL		See Attached Sheet
PROTECTION (WVDEP)		and the second second
STATE HISTORIC &		See Attached Sheet
PRESERVATION OFFICE		
(SHPO)		
OFFICE of LAND & STREAM		See Attached Sheet
(OLS)		
WVDOH		N/A
Elevation Certificate		N/A
DATE OF COMMISSION		
READING	2/6/2024	
DATE AVAILABLE TO BE		
GRANTED	2/26/2024	
PERMIT GRANTED		
COMPLETE		

2057	1970	0001	7228	0070
7502	1970	0007	7228	0087
7021	1970	0001	7228	0063
7021	1970	0001	7228	0049
	-			

7021 1970 0001 7228 0056



TRANSMITTAL

To:

Mr. George Eidel Floodplain Manager

101 Church Street, Suite #102 West Union, WV 26456-2095 Date: February 1, 2024

cc: Project File

Doddridge County Floodplain Permit Application Antero Midstream Salem HP Discharge Doddridge and Harrison Counties, West Virginia								
			Attached		Under separate cover			
Via: Messenger/Courier First Class Mail FedEx United Parcel DHL Lone Star Overnight Freight Other Transmitted: As Requested For Approval For Your Use For Review & Comment	Remarks:	of the above Attachment Attachment App Appe Appe Attachment The attacher Floodplain Coordination	ve referenced ap t A – Floodplair t B – Table of A t C – No-Rise Concernix A - WV For rendix B - Concernix C – Nation rendix D - Composta t D – Permitting ed check for feet is less than \$50	oplication Applicat djacent P ertificate lood Tool eptual Pla nal Strean arison for e is \$250.0 1,000 bring	ion roperty Owners Map ns nflow Statistics – Drainage Ar Calculated Flows - HEC-RAS	ea Excel e 0.		

By: Matt Albright

Project Manager 51 Dutilh Rd., Suite 240 Cranberry Township, PA 16066 MAlbright@Kleinfelder.com m| 609.947.5296



ATTACHMENT A FLOODPLAIN APPLICATION



Permit# 24-645

Salem HP Discharge Pipeline
Project Name:

Permittees Name: ANTERO

FEB 1 24 8:30AM

Doddridge County, WV

Floodplain Development Permit Application

This document is to be used for projects that impact/potentially impact the FEMA---designated floodplain and/or floodway of Doddridge County, WV pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance.

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

- 1. No work may start until a permit is issued.
- 2. The permit may be revoked if any false statements are made herein.
- 3. If revoked, all work must cease until permit is re-issued.
- 4. The permit will expire if no work is commenced within six months of issuance.
- 5. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
- 6. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
- 7. I THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

APPLICANT'S SIGNATURE Anthony Ludovici	
DATE 1/31/2024	

Applicant Information:

Please provide all pertinent data.

ApplicantInformation					
Responsible Company Name: Anter	o Midstream				
Corporate Mailing Address: 1615 V	Vynkoop Street				
City: Denver State: CO Zip: 80202					
Corporate Point of Contact (POC): N	I/A				
Corporate POC Title: N/A					
Corporate POC Primary Phone: N/A	1				
Corporate POC Primary Email: N/A	ruo Yeobi	dabaG-			
Corporate FEIN: N/A	Corporate DI	UNS: N/A			
Corporate Website: <u>www.anterore</u>	sources.com	tools a selfer			
Local Mailing Address: 535 White (Oaks Blvd				
City: Bridgeport	State: WV	Zip: 26330			
Local Project Manager (PM): Antho	ny Ludovici	us tarbe used for projects shat in			
Local PM Primary Phone: (304) 62	7-9120	o en Kommune y Europe de la co			
Local PM Secondary Phone: N/A	enna Jozaf Lones con escul Floodiula in Ocalin. men	yangiD egarib 30			
Local PM Primary Email: aludovici@	Danteroresources.com				
Person Filing Application: Anthony	Ludovici	min and valuation and her carried set			
Applicant Title: Environmental Spe	ecialist II	lianted a timus too year stow o			
Applicant Primary Phone: (304) 62	7-9120	revoked, all work must dease s			
Applicant Filmary Filone. (304) 02					
Applicant Secondary Phone: N/A	es commenced at the commenced street	provide a palgree to a manage so			

Applicant Information:

Please provide all pertinent data.

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·	Zip: 80202
State: CO	Zip: 80202
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CorporateDU	JNS: N/A
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17 -	Militeratura (Control Statement
State: WV	Zip: 26330
	Franciska Strafferiga et di Saggi 25 di 1996 de la . 1 a martin di Santin di Padiya Santin
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urces.com	
1	State: WV

Project Narrative:

Describe in detail the proposed development including project name/title, type of development, estimated start and completion timeline, and its potential impact on the floodplain. Use additional copies of this page as needed.

Project Narrative:

Antero Midstream (Antero) is proposing to construct approximately 3.2 miles of one 6-inch diameter high pressure (HP) gas pipeline known as the Salem HP Discharge (Pipeline) in Doddridge and Harrison Counties, West Virginia (WV). The southeastern terminus occurs at 39.324483, -80.540477, while the northwestern terminus occurs at 39.335492, -80.583096.

The proposed Pipeline will result in a limit of disturbance of approximately 43.2 acres, of which 0.6 acres (1.4%) is located within the limits of the Robinson Fork regulated floodplain. The West Virginia Flood Tool Map is included in Appendix A of Attachment C and depicts the approximate location where work associated the proposed Pipeline will encroach upon the floodplain. The methods of pipeline installation within the floodplain are proposed to include conventional bore as the primary crossing method, and open cut trenching as an alternative crossing installation method if necessary per site conditions.

The proposed Pipeline conceptual plans are included in Appendix B of Attachment C.

A No-Rise Certification has been prepared and is included as Attachment C, which indicates that the proposed temporary construction activities will not affect the base flood elevation. The focus of the Hydrologic Engineering Center-River Analysis System (HEC-RAS) analysis was the potential use of temporary timber matting over the Robinson Fork crossing, and a temporary dam for trench installation of the pipeline within Flood Zone A, as this was anticipated to be a more impactful method of construction within the floodplain than the conventional bore installation.

A permitting and coordination table is included in Attachment D that outlines all necessary permits and current status.				
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Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

	<u>AC</u>	TIVITY				STRUCTUE	RAL TYPE	
[]	New Struct	ure			[]	Residential	(1 – 4 Family)	
[]	Addition				[]	Residential (more than 4 Fa		
[]	Alteration				[]	Non-resider	ntial (floodproofing)	
[]	Relocation				[]	Combined L	Jse (res. & com.)	
[]	Demolition	1			[]	Replacemer	nt	
[]	Manufactu	ıred/Mo	bil Home					
В.	OTHER DE	VELOPI	MENT ACTI	VITIES:				
[]	Fill	[]	Mining		Drilling	[x]	Pipelining	
[]	Grading							
[x]	Excavation	(except	for STRUCTUR	AL DEVE	LOPMENT	checked abo	ove)	
[]	Watercour	se Altera	tion (including	g dredgir	ng and cha	nnel modific	ation)	
[]	Drainage Ir	nprovem	nents (includin	g culvert	work)			
[]	Road, Stree	et, or Brid	dge Constructi	ion				
[]	Subdivision	ı (includi	ng new expan	sion)				
[]	Individual \	Nater or	Sewer System	า				
[]	Other (plea	ise speci	fy)					
			·					
	 							

Development Site/Property Information:

Property Designation: _1_ of _1__

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Site/Property Informatio	n:			
Legal Description: Salem	HP Discharge			71,547 (2 1907)
*****			mio-Haldas	liveral programme and the
Physical Address/911 Ad	dress: WV RT 23, Sa	ilem, WV 26426		
Decimal Latitude/Longitu	ıde: 39.334174, -80	.577080	TERMIN	o Energia a tento
DMS Latitude/Longitude:				
District: 5 (McClellan)	Map: 29			See Attachment B ty Owner Table
Land Book Description: N	/A		Set Shart	
And the second of the second				
Deed Book Reference: N/	A	Same of the	no islant	And the second of the second
		(galaustro	werrage to	imeg garelyl saut
Tax Map Reference: N/A		Tracky	Carrier In	1615WTackharta
			Ligin	-merapial ai ly
Existing Buildings/Use of	Property: N/A			
Floodplain Location Data	to he completed h	y Floodnlain Man	aaer or des	ianee)
Community:	Number:	Panel:	ager or aes	Suffix:
Location (Lat/Long):		Approximat	teElevation	:
		Estimated B	FE:	
Is the development in the	floodway?			he floodplain? Zone:
Notes:				
1101001				
		ji		

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Site/Property Informat	tion:		
Legal Description: Saler			Charles and the Charles and
Physical Address/911 A	Address: WV RT 23, S	Salem, WV 26426	A Grands vianter - Eu
Decimal Latitude/Long	itude: 39.334174, -8	30.577080	AN Have been a
DMS Latitude/Longitud	le:		
District: 5 (McClellan)	Map: 29		Parcel: See Attachment B Property Owner Table
Land Book Description	: N/A		
			All sugar belonging
Deed Book Reference: N	N/A		A P. Book Sender and
			Popular Breat Byte
Tax Map Reference: N/A	A		
Existing Buildings/Use	of Property: N/A		
	Market A. No.		
Floodplain Location Da	ta: (to be completed	by Floodplain Man	ager or designee)
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approxima	teElevation:
	And the second second	Estimated B	FE:
Is the development in the Yes No		Is the develo	opment in the floodplain? No Zone:
Notes:			

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

	4 6 0		
Property Designation: _	_1_of _2_		

Property Owner Data:			
Name of Primary Owner (PO)	: MILLER WAYLON & QUINN L (S	URV)	
PO Address: 138 CASCARA RD	0.000		
City: SALEM	State: WV	Zip: 26426	
PO Primary Phone: N/A			
PO Secondary Phone: N/A	CAROL SEGMENT	y decone in the south of the	Thyri
PO Primary Email: N/A	ORGENT TO ATTAS	El tehelman Palacina J. In-	editio (

Surface Rights Owner Data:		
Name of Primary Owner (PO): N/A	95 lgs3	(antistam) 2
PO Address: N/A		
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A		
PO Secondary Phone: N/A		ALM STREETS SERVING
PO Primary Email: N/A		

Mineral Rights Owner Data: (As Name of Primary Owner (PO): N		
PO Address: N/A		
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A		
PO Secondary Phone: N/A	oper Physics	ing Pi
PO Primary Email: N/A		

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: __2_ of _2__

Property Owner Data:		
Name of Primary Owner (PO):	UNDERWOOD DUSTIN N	CEC MININGER PAGE (SVERM
PO Address: 1434 WV RT 23		A CONTRACTOR OF THE STREET
City: SALEM	State: WV	Zip: 26426
PO Primary Phone: N/A		
PO Secondary Phone: N/A		
PO Primary Email: N/A		Antenna International

Surface Rights Owner Data:			
Name of Primary Owner (PO):	N/A		
PO Address: N/A			
City: N/A	State: N/A	Zip: N/A	72 6/11/1
PO Primary Phone: N/A		Serios subalgad	in the second
PO Secondary Phone: N/A	Run many		EET HODA
PO Primary Email: N/A	An almost a laterage and a second		

Mineral Rights Owner Data: (As Appl	licable)	
Name of Primary Owner (PO): N/A		description of the second
PO Address: N/A		- Charles and Char
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A	refer to the Aug Base Property	rehindered anne White Property
PO Secondary Phone: N/A		E. continuent someon I 426 region
PO Primary Email: N/A	T to the re-vis	A SAL LANGE STREET

Contractor Data:

Please provide all pertinent data for contractors and sub---contractors that may be participating in this project. Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: __1 of _1

Contractor/SubContractor (C/SC)	Information:		
C/SC Company Name: One contract (#WV049594), Apex Pipeline Servi LLC (#WV050096), Momentum Pip	ices, Inc. (WV04	40540), Integ	
C/SC Company Name: See Above			AVM separation and the
C/SC WV License Number: See Abov	ve		
C/SC FEIN: TBD	C/SC DUNS: TBD		
Local C/SC Point of Contact (POC): 7	гвр		THE STATE OF THE S
Local C/SC POC Title: TBD	FSeuber N/A		an Angares
C/SC Mailing Address: TBD			AVX tomestic yanta first o
City: TBD	5	State: TBD	Zip-•-Code: TBD
Local C/SC Office Phone: TBD			AND SIGNLY ESCENCES
Local C/SC POC Phone: TBD		1-12-04-14	
Local C/SC POC E-•-Mail: TBD			PACKET BOMO CHOKETON PUE

Engineer Firm Information:		
Engineer Firm Name: Kleinfelder, Inc	c. (No-Rise Cert Only)	A Creme Programme C
Engineer WV License Number: 25121		ASK sands recomment.
Engineer Firm FEIN: N/A Engineer Firm DUNS: N/A		
Engineer Firm Primary Point of Cont	act (POC): Matt Albright	Halman Charles and the
Engineer Firm Primary POC Title: Pro	oject Manager	
Engineer Firm Mailing Address: 51 D	utilh Road, Suite 240	
City: Cranberry Twp.	State: PA	Zip-•-Code: 16066
Engineer Firm Office Phone: 724-772	2-7072	
Engineer Firm Primary POC Phone: 6	09-947-5296	
Engineer Firm Primary POC E-•-Mail: M	IAlbright@kleinfelder.co	<u>om</u>

Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

Adjacent Property Owner Data: I	Upstream	
Name of Primary Owner (PO): Se	ee Table of Property Owners ((Attachment B)
Physical Address: N/A		
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A	ulti otera igua utam drasiji	radifie no egy coof Teas L
PO Secondary Phone: N/A	aleman verificial	un iméxada. Astrácia es
PO Primary Email: N/A		

Adjacent Property Owner Data: Ups	stream	
Name of Primary Owner (PO): N/A		ta nyewaning cawa. (ce dwa-cu
Physical Address: N/A	nakezare u manketa k	remarkabelikune mooral
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A	real near selection made services are	-we consults now out to all
PO Secondary Phone: N/A		Levbooli, cislotesii
PO Primary Email: N/A	mgo aparage a crea	REPRESENTATION

Adjacent Property Owner Data: Do	wnstream		
Name of Primary Owner (PO): See	Table of Property Owners	(Attachment B)	
Physical Address: N/A	Side of the colored sound in the	Artwennerin Algebra	
City: N/A	State: N/A	Zip: N/A	
PO Primary Phone: N/A	grid garages when rugates	THE STORMSHOOT HOTELS IN	
PO Secondary Phone: N/A	inutial, lastress has all SVIII	CITA of III ork specime	
PO Primary Email: N/A	Philippes of tendlos and	no televisione de Alberta Visione.	

Adjacent Property Owner Data: D	ownstream	
Name of Primary Owner (PO): N/A	A second second second	el harmon e la manua de
Physical Address: N/A		
City: N/A	State: N/A	Zip: N/A
PO Primary Phone: N/A		
PO Secondary Phone: N/A		
PO Primary Email: N/A		

Site Plan

A Site Plan is an accurate and detailed map of the proposed development for this project. It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. A certified and licensed engineering firm should complete site plans.

A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:

- 1. Legal description of the parcel, north arrow and scale
- 2. All property lines and their dimensions
- 3. Names of adjacent roads, location ofdriveways
- 4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
- 5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
- 6. Location and dimensions of existing or proposed on---site sewage systems.
- 7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
- 8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
- 9. Location and dimensions of any roadway development into floodplain/floodway. (Includes initial development access roads)
- 10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
- 11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
- 12. Location of any existing utilities and/or proposed utility placement and/or displacement.
- 13. Location, dimensions and depth of any existing or proposed fill on site.
- 14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE**: All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.

Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have will be properly attained, are current and valid, and must be presented prior to a Doddridge County Floodplain Permit being issued.
- I understand that if in the course of the development project additional permits become
 required that were not needed during the initial proposal, the primary developer must notify the
 Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work"
 order may be issued for all project work directly impacting the floodplain or floodway, until such
 time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into
 official public record at the next regularly scheduled Doddridge County Commission meeting
 after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the
 Doddridge County Floodplain Manager has ninety (90) days to make a determination to either
 grant or deny said permit application. During this approval period, the Doddridge County
 Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of
 provided documentation by means of an independent engineering firm. All costs associated with
 said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager of
 designee may at his or her discretion conduct site visits and document conditions of proposed
 development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official
 public record. Appeals to the permit may be made no later than twenty (20) days after said
 issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain
 Manager, a "Stop Work" order will be issued for all project development directly involving the
 floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be
 scheduled no less than ten (10) days after the next regularly scheduled Doddridge County
 Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- I understand issuance of a Floodplain Permit authorizes me to proceed with construction as proposed.
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain
 Manager or designee the right to enter onto the above—described location to inspect the
 development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site---plan submitted and approved by this permit
 that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that
 I must stop all construction immediately until discrepancies of actual work vs. proposed work is
 resolved.

Applicant Signature:	Anthony Ludovici	_ _{Date:} 1/31/2024
	0	
Applicant Printed Nan	ne: Anthony Ludovici	



ATTACHMENT B TABLE OF PROPERTY OWNERS

Table of Property Owners

PROPERTY OWNER	PARCEL ID NUMBER	E-911 ADDRESS	PROPERTY OWNER ADDRESS	IN FLOODPLAIN
MILLER WAYLON & QUINN L (SURV)	09-05-0029-0039-0000	138 CASCARA RD, SALEM, WV, 26426 152 CASCARA RD, SALEM, WV, 26426	138 CASCARA RD, SALEM, WV 26426	YES
UNDERWOOD DUSTIN N	09-05-0029-0035-0000	NO E-911 ADDRESS FOUND FOR THIS PARCEL	1434 WV RT 23, SALEM, WV 26426	YES
UNDERWOOD DUSTIN N	09-05-0029-0043-0000	NO E-911 ADDRESS FOUND FOR THIS PARCEL	1434 WV RT 23, SALEM, WV 26426	YES (UPSTREAM)
UNDERWOOD DUSTIN N	09-05-0029-0034-0000	135 FANE HOLW, SALEM, WV, 26426	1434 WV RT 23, SALEM, WV 26426	YES (UPSTREAM)
TRUSTEES OF M E CHURCH	09-05-0029-0036-0000	2424 WV RT 23 N, SALEM, WV, 26426	NOT AVAILABLE	YES (DOWNSTREAM)
WILT LISA RENEE	09-05-0029-0037-0002	2463 WV RT 23 N, SALEM, WV, 26426	%LERETA LLC, 901 CORPORATE CENTER DR, POMONA, CA 91768	YES (DOWNSTREAM)
RICHARDS EZRA G & ARTICE	09-05-0029-0035-0001	NO E-911 ADDRESS FOUND FOR THIS PARCEL	2018 WV RT 23, SALEM, WV 26426	YES (UPSTREAM)
CHIPPS ALBERTA	09-05-0029-0037-0000	2458 WV RT 23 N, SALEM, WV, 26426	2458 WV RT 23 N, SALEM, WV 26426	YES (DOWNSTREAM)



ATTACHMENT C NO-RISE CERTIFICATE



This is to certify that I am a duly qualified registered professional engineer licensed to practice in the State of West Virginia.

It is further to certify that based on the information provided to me, and the attached technical data supports the fact that the proposed Salem HP Discharge (Pipeline) -Robinson Fork Crossing (Site) will not impact the 100-year flood elevation of Robinson Fork at the published sections in the Flood Insurance Study for Doddridge County (Community ID 540024) effective 10/04/2011 and will not impact the 100-year flood elevation at unpublished cross-sections in the vicinity of the Site.

Work to be performed at the Robinson Fork crossing involves temporary disturbances associated with staging areas, temporary stream and wetland crossings with timber matting, temporary crossing materials, and pipeline installation activities.

The methods of pipeline installation are proposed to include conventional bore as the primary crossing method, and open cut trenching as an alternative crossing installation method if necessary per site conditions. The focus of this Hydrologic Engineering Center-River Analysis System (HEC-RAS) analysis is the potential use of temporary timber matting over the Robinson Fork crossing, and a temporary dam for trench installation of the pipeline within Flood Zone A, as this is anticipated to be a more impactful method of construction within the floodplain than the conventional bore installation. The extent of the work is shown on the attached conceptual plans. The total watershed (drainage basin) for the crossing area was shown to be 2.488 square miles. Peak flow from this area was calculated utilizing the National Streamflow Statistics application available online. A HEC-RAS analysis was completed, based on the drainage area above and associated flows, to verify that no influence will occur due to the proposed activities within the floodplain of Robinson Fork. The flows compared for the affected area are attached.

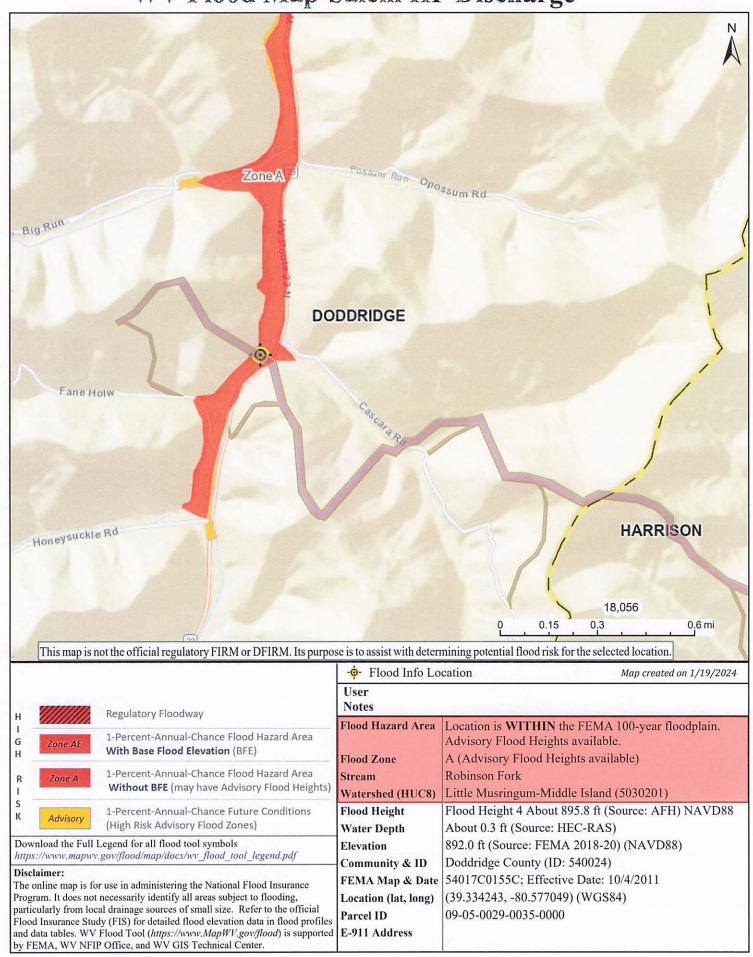
Attached are the following documents that support my findings:

West Virginia Flood Tool Map Conceptual Plans National Streamflow Statistics – Drainag Comparison for Calculated Flows – HEC Date:		C. MCMULLING C. MC
Title: Senior Professional		
	Page 1 of 1	January 30, 2024

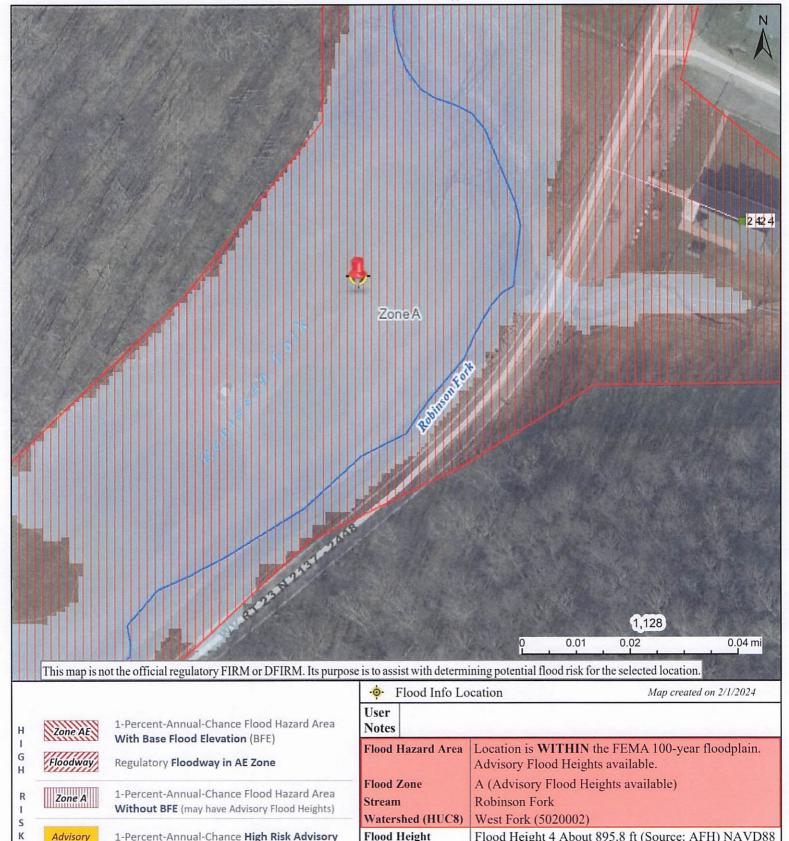


APPENDIX A West Virginia Flood Tool Map

WV Flood Map-Salem HP Discharge



WV Flood Map



Water Depth

Community & ID

FEMA Map & Date

Location (lat, long)

Elevation

Parcel ID

E-911 Address

Download the Full Legend for all flood tool symbols https://www.mapwv.gov/flood/map/docs/wv_flood_tool_legend.pdf

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (https://www.mapwv.gov/flood) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

Flood Height Flood Height 4 About 895.8 ft (Source: AFH) NAVD88

About 0.3 ft (Source: HEC-RAS)

892.0 ft (Source: FEMA 2018-20) (NAVD88)

Harrison County (ID: 540053)

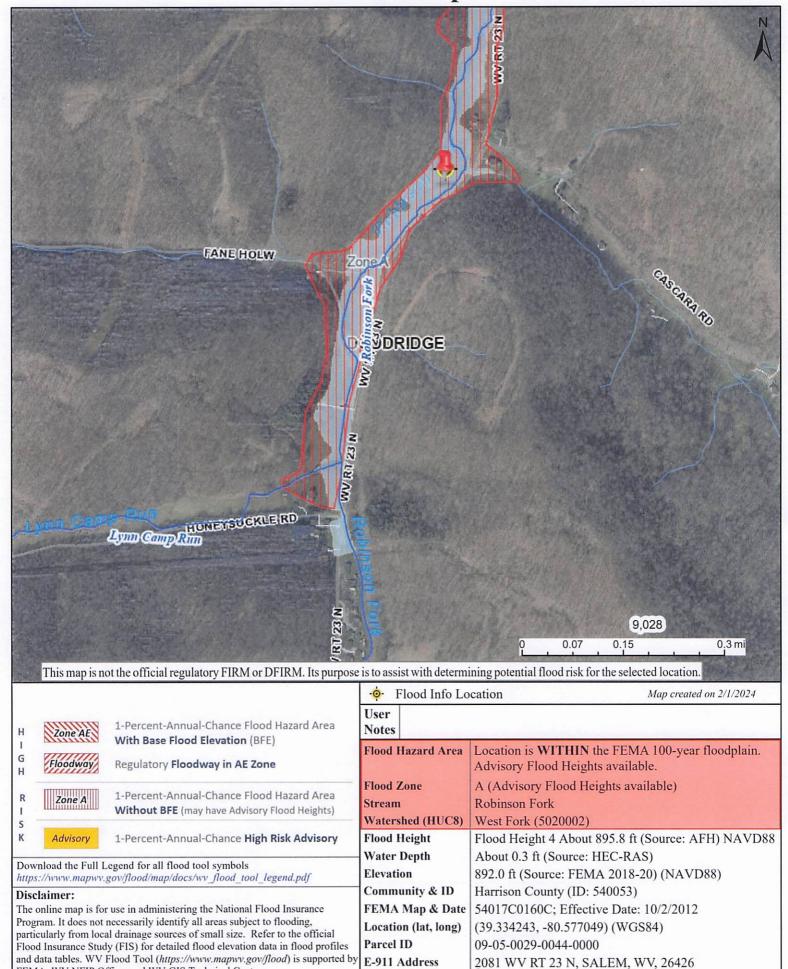
54017C0160C; Effective Date: 10/2/2012

(39.334243, -80.577049) (WGS84)

09-05-0029-0044-0000

2081 WV RT 23 N, SALEM, WV, 26426

WV Flood Map



FEMA, WV NFIP Office, and WV GIS Technical Center.



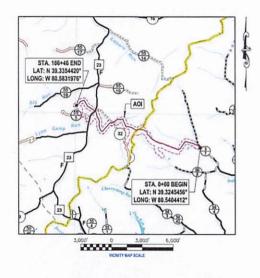
APPENDIX B Conceptual Plans

ANTERO MIDSTREAM

ISSUED FOR PERMITTING PLANS FOR THE SALEM HP DISCHARGE PIPELINE **PROPOSED 6" STEEL GAS LINE**

AFE # A12878

101-T50-11556 **HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA JANUARY 2024**



EXISTING INFORMATION SOURCES BASE CONTOUR DATA PROVIDED BY OTHERS.

ROUTE INFORMATION AND LOCATION PROVIDED BY ANTERO

SUPPLEMENTAL SPOT ELEVATIONS AND ALIGNMENT PROVIDED BY:

THE THRASHER GROUP 500 WHITE OAKS BLVD., P.O. BOX 940 BRIDGEPORT, WV 26330

BENCHMARK. HORIZONTAL - NAD 83 WEST VIRGINIA STATE PLANE, NORTH ZONE, US SURVEY FOOT VERTICAL - NAVD 85 (GEOIG18), US SURVEY FOOT

ROAD DESIGNATIONS OBTAINED FROM WV-DOH

1-800-245-4845 TICKET # 2400397089, 2400598265, 2400598282, 2400598283, 2400598296



CONTRACTOR SHALL NOTIFY THE ONE-CALL SYSTEM OF THE INTENDED EXCAVATION OR DEMOLITION NOT LESS THAN FORTY-EIGHT (MI) HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL FEDERAL OR STATE HOLIDAYS, NOR MORE THAN TEN (NO WORK DAYS PRIOR TO THE BEDRINING OF SUCH WORK. CALLIST COMMENT-BY YOUR STATE.





PHONE: (303) 357-7310 | FAX: (303) 357-7315 DENVER, CO 80202

ALIGNMENT SHEETS PREPARED BY

THE THRASHER GROUP 600 WHITE OAKS BLVD. BRIDGEPORT, WV 26330 (304) 624-4108 PO BOX 940

PLAN REPRODUCTION WARNING

THESE PLANS ARE INTENDED TO BE PLOTTED ON ANSI D (27 X 34") SHEETS, FOR REDUCTIONS, REFER TO GRAVING SCALE. THESE PLANS SAME BEEN CREATED FOR FALL COLOR FOOTHING. ANY SET OF THESE PLANS THAT SHOW FOR THE SHEET OF THE SHEET OF

THE INFORMATION CONTAINED HERBIN IS THE SOLE PROPERTY OF THE THRASHER GROUP INC. REPRODUCTION OF THESE DOCUMENTS IN VIYOUE OR IN PART, FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION, IS STRICTLY PROHIBITED. COPPRIGHT & 2021 THE THRASHER GROUP INC.

TOTAL AREA AND TREE CLEARING	AREA	UNITS
PERMITTED LIMITS-OF-DISTURBANCE	43.2	ACRES
TREE CLEARING	22.3	ACRES

THIS PLAN SET DEPICTS THE NECESSARY INFORMATION FOR EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED BY THE WYDEP FOR STORM WATER PERMITTING PURPOSES.

THE PPELNE MATERIALS, ASSOCIATED APPURTENANCES, MATERIAL STRENGTHS, MADE CALCULATIONS, PIPELNE ROUTING, ETC. DEPICTED ON THESE DRAWMICS ARE AS PROVIDED TO THE THRASHER GROUP, INC. BY OTHERS, THRASHER WILL NOT ACCEPT ANY LUBBLIFY FOR THE APPROPRIATENESS, OR DESIGN, OR SAID MATERIAL DEPICTED IN THESE PLANS.

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CLAYTON C. WHITE, WV P.E. # 24495

ISSUED FOR PERMITS

DATE:

BY:

- THE FOLLOWING NOTES APPLY TO ALL PLAN SHEETS:

 1. ALL METER SETTINGS ACROSS PAVED ROADS SHALL BE BORED OR MOLED, UNLESS OPEN CUT
- HAS BEEN APPROVED BY W.V.D.O.H. AND SPECIFICALLY INDICATED ON PLANS.

 NOTIFICATION OF PROPOSED EXCAVATION, DEMOLITION OR ANY OTHER EARTH DISTURBING ACTIVITIES ARE REQUIRED TO BE PLACED TO MISS VILLITY OF WEST VIRGINIA. (1-800-245-4848) NOT LESS THAN FORTY EIGHT (48) BUSINESS HOURS BEFORE ANY SUCH WORK IS TO BEGIN.
 BEDDING SHALL BE PLACED ON ASPHALT SURFACE TO PROTECT THE PAYEMENT WHEN A
- TRENCHER OR TRACKED VEHICLE IS USED.
- 4. THE WEST VIRGINIA DIVISION OF HIGHWAYS PUBLICATIONS "STANDARD SPECIFICATIONS ROADS AND BRIDGES" AND "ACCOMMODATIONS OF UTILITIES ON HIGHWAY RIGHT OF WAY" LATEST
- EDITION ARE PART OF THE SPECIFICATIONS AND WILL BE ADHERED TO BY THE CONTRACT
 ALL DAMAGE TO ROAD SURFACE SHALL BE REPAIRED ACCORDING TO THE WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS AND DETAILS.
- ALL EXISTING DUMP ROCK OR RIP RAP DITCHES DISTURBED BY THE UTILITY LINE CONTRACTOR SHALL BE RESTORED WITH THE SAME SIZE, GRADE AND QUALITY OF ROCK AFTER THE UTILITY LINE HAS BEEN INSTALLED. NEW DUMP ROCK (RIP RAP) IS TO BE PLACED IN ALL LOCATIONS WHERE THE DITCH LINE GRADE IS GREATER THAN 5% AND THERE IS NO EXISTING RIP RAP.
- 7. TRAFFIC CONTROL SHALL CONFORM TO THE W.V.D.O.H. PUBLICATION "TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE" OPERATION LATEST EDITION.

 B. ALL BACKFILL MATERIAL AND COMPACTION REQUIREMENT SHALL BE IN ACCORDANCE WITH THE
- PROPERTY AND THE ACCOMMODATION OF UTILITIES ON HIGHWAY RIGHT OF WAY AND ADJUSTMENT AND RELOCATION OF UTILITY FACILITIES ON HIGHWAY PROJECTS AND SUBJECT TO D.O.H. APPROVAL. EVIDENCE OF PROPER COMPACTION BY TESTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TESTING SHALL BE ONE (1) PER DAY OR EVERY 500 LINEAL FEET OR AS DETERMINED BY THE DISTRICT MANAGER (ENGINEER) OR HIS AUTHORIZED REPRESENTATIVE
- UTILITY LINES SHALL BE PLACED EITHER AROUND, UNDER OR OVER DRAINAGE CULVERTS AS
- 10. AGGREGATE SHOULDER STONE IS TO BE PLACED ON THE SHOULDER AT A THICKNESS EQUAL TO 6" OR ITS ORIGINAL THICKNESS WHICHEVER IS GREATER. PAVED SHOULDERS WILL BE
- MAGNETIC MARKING TAPE SHALL BE INSTALLED AT A DEPTH OF 12" TO 18" BELOW THE SURFACE AND DIRECTLY ABOVE ALL LINES OR PIPE.
 REPART TO DRIVEWAYS ON W.V.D.O.H. RIGHT OF WAYS SHALL CONFORM TO THE APPROPRIATE W.V.D.O.H. TYPICAL REPAIR DETAIL
- CLEANUP WILL BE ACCOMPLISHED DAILY, RIGHT OF WAYS SHALL CONFORM TO THE APPROPRIATE WV.D.O.H. REPAIR, ALL CULVERTS AND DRAINAGE DITCHES SHALL BE OPEN AND MAINTAINED DURING CONSTRUCTION, SHOULDERS WILL BE RESTORED AND STABILIZED WITH STONE DAILY WITH APPROPRIATE STONE AT THE DISCRETION OF W.V.D.O.H.

 14. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN SEVEN DAYS OF COMPLETION
- OF BACK FILL OPERATION.
- 15. NO EXCESS EXCAVATION MATERIAL SHALL BE WASTED ON W.V.D.O.H. RIGHT OF WAYS WITHOUT THE AGREEMENT OF THE W.V.D.O.H.

 16. THE W.V.D.O.H. RESERVES THE RIGHT TO RELOCATE WATERLINES, FIRE HYDRANTS, AND VALVES
- AS DEEMED NECESSARY.
- 17. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES, PRIOR TO CONSTRUCTION TO OBTIAN UTILITY LOCATIONS AND PERFORMING EXPLORATIORY WORK TO DETERMINE SUBSURFACE MATERIALS AND STRUCTURES THAT MAY AFFECT ITS WORK.
- 18. PRIOR TO THE START OF ANY WORK WITHIN STATE HIGHWAY RIGHT-OF-WAY CONTRACTOR SHALL GIVE THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION 48 HOURS
- 19. THE CONTRACTOR IS RESPONSIBLE FOR ANY OFFSITE DISPOSAL REQUIRED, DISPOSAL SHALL BE TO AN ACCEPTABLE LEGAL SITE. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL AT
- 20. ALL ELEVATION GRADES AND DISTANCES SHALL BE CHECKED AND VERIFIED BY THE
- CONTRACTOR AT THE SITE PRIOR TO CONSTRUCTION,
 21. ALL CONSTRUCTION SHALL MAINTAIN 5' FROM EDGE OF PAVEMENT OR BOTTOM OF DITCH
- UNLESS NO OTHER PRACTICAL MEANS OF CONSTRUCTION EMSTS.

 22. PERFORM ACCEPTABLE REPAIR OF ANY AND ALL SUB-BASE FAILURES THAT ARE CAUSED BY THE CONTINGATOR'S OPERATION ON A DAILY BASIS.
- PERFORM TOTAL REPAIR AND/OR REPLACEMENT OF ANY DAMAGED ASPHALT SURFACE AS DETERMINED BY THE W.V.D.O.H REPRESENTATIVE.
- 24 PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL MAKE A COMPLETE MICH SHOWING THE ROAD SURFACE OF ALL ROADS TO BE UTILIZED AND PRESENT IT TO THE UTILITY SUPERVISOR W.V.D.O.H.
- SUPERVISION WALLOUN.

 SEE REMOVE DITOT-LINE OBSTACLES AND/OR RECONSTRUCTION OF THE DITOT-LINE.

 26. IN THE CASE OF MANHOLES OR VALVES IF AT ALL POSSIBLE SHALL BE PLACED OUTSIDE THE ROADMAY, SHOULDER, THERE IS TO BE A MINIMUM OF 6 INCHES OF COVER IN THE DITOH LINE THERE IS TO BE 12. INCHES OF COVER BETWEEN THE MANHOLE AND THE INVENT OF THE DITOH.

 27. ANY MANHOLES OR VALVES OR VALVE BOXES PLACED IN THE ROADMAY WILL BE ON THE SAME PLANE AS THE ROADMAY AND SET FLUSH WITH ROADMAY.
- ANY ROADS REQUIRING AN H.L.B.C. OVERLAY, FULL WOTH OR PARTIAL, SHALL HAVE SHOULDER STONE FROM AN APPROVED SOURCE PLACED AS PER D.O.H. SPECIFICATIONS
- 29. THE DEPARTMENT OF HIGHWAYS REQUIRES THERE BE NO WORK WITHIN THE DEPARTMENT'S RIGHT-OF-WAY DURING SNOW AND ICE REMOVAL. THERE MAY BE EXCEPTIONS FOR EMERGENCY AND CASE BY CASE SITUATIONS WITH NOTIFICATION TO THE DEPARTMENT.

UTILITY AGENCIES SERVING AREA

MISS UTILITY TICKET # 2400397089 2400598265 2400598282, 2400598283, 2400598296 WEST VIRGINIA DIVISION

OF HIGHWAYS WVDOH DIST #4 P.O. BOX 4220

CLARKSBURG, WV 26301-4220 (304) 842-1500

(304) 842-1564 FAX LACY PRATT - UTILITY SUPERVISOR A CARDER - PERNIT SUPERVISOR -

1-800-686-0022

CABLE 1-304-216-4100

TELEPHONE NICATIONS 1-800-275-2355

RESPONSE TEAMS: NATIONAL RESPONSE CENTER FOR REPORTING CHEMICAL OR OIL SPILLS

> STATE EMERGENCY SPILL NOTIFICATION 1-800-642-307-

EMERGENCY AMBULANCE, FIRE, LAW ENFORCEMENT 911

STATION	LAT	LONG	DESCRIPTION	PLAN SHEET #
6+06	39.325423	-80.541884	EX. ETC 12" STEEL GAS LINE	06
11+66	39.325968	-80.543671	EX. MOUNTAINFER GAS LINE	06
16+66	39.326279	-80.545391	EX. HOPE GAS LINE	06
37+45	39.324943	-80.551126	EX. ANTERO STEEL GAS LINE	07
37+74	39.324970	-80.551221	EX. ETC 20" STEEL GAS LINE	07
38+02	39.324998	-80.551315	EX. HOPE GAS LINE (APPROX. LOCATION)	07
73+72	39.329383	-80.561769	EX. DIVERSIFIED 2" GAS LINE	09
108+50	19.330983	-80.571500	EX. HOPE GAS LINE (APPROX. LOCATION)	10
135+83	39.332514	-80.576032	EX. 2" POLY GAS LINE	11
143+65	39.334279	-80.577266	EX. HOPE H-15309 4" GAS LINE	11
153+79	39.336020	-80.579927	FX HOPE H-15339 6" GAS LINE	12

EX. HOPE H-15339 6" GAS LINE

GAS LINE CROSSINGS

159+84 39.336630 DRAWING INDEX

01	COVER	COVER SHEET
02	GNOTS	GENERAL NOTES SHEET
03	SPECS	GENERAL CONSTRUCTION SPECS SHEET
04-05	PL-INDEX-AR-INDEX	INDEX SHEETS
06-12	PLAN1-PLAN7	PROPOSED ALIGNMENT PLAN AND PROFILE SHEETS
13-18	ARPS1-ARPS6	ACCESS ROAD PLAN SHEETS
19	HSP	HYDROSTATIC PROFILE SHEET
20-26	S&WC1-S&WC7	STREAM & WETLAND CROSSING SHEETS
27-37	ESCP1-ESCP11	ESCP DETAIL SHEETS
38	CULVI	CULVERT & CHANNEL REPORT SHEETS

GENERAL NOTES

- EXISTING UTILITIES SHOWN ON PLANS WHERE EVIDENCE HAS BEEN FOUND OR PROVIDED BY LOCAL UTILITIES. EXACT DEPTH AND LOCATION OF UTILITY LINES NOT KNOWN. CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO CROSSING BY CONTACTING MISS UTILITY AT 1-800-245-4848 AND LOCAL UTILITY COMPANIES AS USTED AND/OR NOT LISTED ON THIS SHEET. CONTRACTOR TO LOCATE WATER AND LITHLITY SERVICES REFORE BORING AND JACKING
- IN THE EVENT AN ERROR WITH THE PLANS SEEMS APPARENT, THE MATTER MUST BE TAKEN UP WITH THE ENGINEER FOR REVIEW BEFORE PROCEEDING WITH CONSTRUCTION 3. ALL PERMITS MUST BE SECURED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL STREAM CROSSING INSTALLATIONS
 PROPOSED SO NOT TO DELAY THE CONSTRUCTION PROCESS. STREAM CROSSINGS ARE TO BE CONSTRUCTED USING AN OPEN CUT CROSSING METHOD UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL PROPOSED PERMANENT FILL TO BE FILLED WITH STONE, NATURAL ROCK, OR A 20" CULVERT TO BE INSTALLED TO MAINTAIN STREAM FLOW.
- ALL WOOH ROAD CROSSINGS TO BE CONSTRUCTED USING AN OPEN CUT CROSSING METHOD UNLESS OTHERWISE SPECIFIED ON THE PLANS. WYDOH TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY WORK WITHIN WYDOH R/W
- ALL CONSTRUCTION TO BE DONE IN THE PROPOSED PIPELINE LIMITS OF DISTURBANCE AS SHOWN.
- B. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE STANDARDS AND
- SPECIFICATIONS PROVIDED IN A SEPARATE BOUND VOLUME.

 CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE TYPES AND O.D. PRIOR TO CONNECTION.
- 10 PROPERTY LINES SHOWN ON PLANS WERE OBTAINED FROM PARTIAL FIELD SLIDVEY AND RESEARCHED INFORMATION TAKEN FROM VARIOUS RECORDS ON FILE IN T LOCAL COUNTY COURTHOUSE. TO OBTAIN A MORE ACCURATE BOUNDARY LINE LOCATION A FULL PROPERTY SURVEY IS RECOMMENDED.

EROSION & SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT MEASURES TO BE IN ACCORDANCE WITH WEST VIRGINIA ONLINE BMP MANUAL FOR STANDARD GUIDELINES AND SPECIFICATIONS AVAILABLE AT: HTTPS: //APPS.DEP.WV.GOV/DWWM/STORMWATER/BMP/INDEX.HTML EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN SHOWN ON PLANS AND
- DETAILED IN SPECIFICATIONS.
- 3. EXPOSED SOILS SHALL BE STABILIZED BY APPLICATION OF EFFECTIVE BMP* THAT PROTECT THE SOIL FROM THE EROSIVE FORCES OF RAINDROPS, FLOWING WATER, AND
- 4. CLEARING AND GRUBBING IS TO OCCUR IN THE NOTED LIMITS OF DISTURBANCE
- ALL GRADED AREAS THAT ARE AT FINAL GRADE MUST BE SEEDED AND MULCHED WTHIN 7 DAYS AND AREAS THAT WILL NOT BE WORKED AGAIN FOR 21 DAYS OR MORE MUST BE SEEDED AND MUCHED WITHIN 7 DAYS, WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
 WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY
- 6. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RE-SEEDED IMMEDIATELY, OR AS SOON AS
- SECTION AND MOLITHING MOST BE RE-SECTION IMMEDIATELY, OR AS SOUR AS WEATHER CONDITIONS ALLOW EROSION AND SEDIMENT CONTROL BUYES SHALL BE TEMPORARY AND PERMANENT AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION, MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN
- ACCORDANCE WITH BMPs.
 EROSION AND SEDIMENT CONTROLS BMPs SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES PER 24 HOUR PERIOD. ANY NECESSARY OR REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY. ATTERO HAS ONLINE ACCESS TO SEVERAL RAIN GAUGE LOCATIONS IN THE GENERAL AREA OF EACH WORK LOCATION. THIS DATA WILL BE MONITORED AND USED BY INSPECTION PERSONNEL, USE OF ONLINE WEATHER TRACKING TOOLS MAY BE UTILIZED. RAINFALL DATA WILL BE RECORDED ON

LEGEND / ABBREVIATIONS

- = EXISTING PIPELINE VENT
- EXISTING GAS WELL (AS NOTED)
- EXISTING GAS METER
- = EXISTING PIPELINE MARKER
- = EXISTING GAS VALVE
- EXISTING MONUMENT FOUND (AS NOTED)
- EXISTING UTILITY POLE
- = EXISTING GATE / FENCE POST LENSING CARE / FENCE POST

 G = ENSING PREINE

 W = ENSING WATER LINE

 X = ENSING OVERHEAD UTELTY

 CALL

 LESSING COMPRESSION OUTELTY

 ENSING CHARGAIL

 ENSING CUARRAIL
- = = = EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD

- LESTING DICH
 SESTING DICH
 ENSTING TICH
 ENSTING TICH
 PROPERTY LINE
 DOH RIGHT-OF-WAY LINE
 PROPOSED PRIVAMENT RIGHT-OF-WAY
 PROPOSED CONSTRUCTION RIGHT-OF-WAY
 LIMITS-OF-DISTRIGANCE

- -LID COMPRESSOR/WELL PAD LIMITS-OF-DISTURBANCE
- PROPOSED ANTERO BASELINE

- G = PROPOSED ANTERO BASELINE

 PROPOSED ANTERO GAS LINE

 PROPOSED ANTERO BURIED WATER LINE

 PROPOSED ANTERO SURFACE WATER LINE

 EXISTING GROUND PROFILE

- PROPOSED PIPELINE PROFILE
- -1250--- CONTOUR
- - - AREA-OF-INTEREST
- T-A PROPOSED TYPE A BMP (SEE TABLE ON SHEET 28)

 1-8 PROPOSED TYPE B BMP (SEE TABLE ON SHEET 28)
- 1-C PROPOSED TYPE C BMP (SEE TABLE ON SHEET 28)
- x PROPOSED GRANGE SAFETY FENCE
- = PROPOSED RIGHT-OF-WAY DIVERSION (PLAN)
- ---- PROPOSED ACCESS ROAD DITCH
 - PROPOSED CULVERT (AS NOTED)

 - PROPOSED CPP, N=12 DUAL WALL PIPE OR EQUAL TEMPORARY CULVERT FOR CONSTRUCTION ACCESS. DIAMETER BETWEEN 12" 36" WILL BE DETERMINED TO MAINTAIN STREAM FLOW.

 - = DELINEATED CULVERT
- DELINEATED STREAMS
- DELINEATED STREAMS (PROPOSED PERMANENT FILL.)
- DELINEATED WETLANDS
- = DELINEATED WETLANDS (PROPOSED PERMANENT FILL)
- DELINEATED GROUNDWATER SEEP/SPRING
- ROLLED EROSION CONTROL PRODUCT (INDICATES AREAS WHERE SLOPE IS 3:1 OR GREATER)

- = ADDITIONAL TEMPORARY WORKSPACE
- = STONE CONSTRUCTION ENTRANCE
- = TEMPORARY TIMBERNAT CROSSING
- PROPOSED ACCESS ROAD
- MOP - PIPELINE MILE POST
- PROPOSED RIGHT-OF-WAY DIVERSION (PROFILE)
 - PROPOSED EARTH TRENCH BREAKER (PROFILE) = PROPOSED TRENCH PLUG DRAIN (PROFILE)
- PROPOSED GAS LINE MARKER - PROPOSED TEST STATION
- 43-3-4-31.1 = PARCEL IDENTIFICATION *LEGEND IS TYPICAL, NOT ALL ITEMS IN LEGEND APPEAR IN DRAWING.

PROPOSED 100' CONSTRUCTION

RIGHT-OF-WAY/ LIMITS-OF-DISTURBANCE

GENERAL INFORMATION

ALL DESIGN, STRONGTH OF PIPELRE, MID MADE CALGULATIONS ALONG MITH ROUTING WERE PREPARED BY ANTERO AND PROMORD TO THEASHER FOR RELIEVEN ON THE PLANS, THRAHER ASSAMES ING LIMILITY FOR THE CORRECTIONS OF THESE CALGULATIONS AND/OR RELITE PROMISES A MATERIAL TOPS OF THE PLANS THRAHER ASSAMES ING LIMILITY FOR THE CORRECTIONS OF THESE CALGULATIONS AND/OR RELITE PROMISES A MATERIAL TOPS OF THE PLANS THRAHER ASSAMES ING LIMILITY FOR THE CORRECTIONS OF THESE CALGULATIONS AND/OR RELITE PROMISES AS

- CONSTRUCTION SEQUENCE OF EVENTS
- 1. CALL MISS UTILITY (1-800-245-4848)
- INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES. CONSTRUCTION OF PIPELINE WITH RESTORATIONS.
- TESTING OF PIPELINE AND APPURTENANCES.
- WORK CLOSE-OUT, PUNCH LIST, CLEAN UP, REPAIRS, FINAL SEEDING AND MULCHING, ETC ...
- 8 B.L. PROPOSED CORRIDOR

Antero

SALEM HP DISCHARGE PIPELINE **GENERAL NOTES**

SHEET: 02-GNOTS

PROPOSED 6" STEEL GAS LINE

HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA

JEH (TTG) DATE
JEH (TTG) AFE No.:
AS SHOWN CUEET DRAWN BY: CHECKED BY: SCALE:

THRASHER

AFE # A12878

SUMMARY OF MATERIALS (3D) SUMMARY OF MATERIALS (3D)

-80.581482

DESCRIPTION REVISION

DESCRIPTION

1. GRADING

CONTRACTOR SHALL GRADE AN NECESSARY TO MIDDATE. THE NECESSARY OF ARRIPET OVER-BURGE OR SHALL GRADE AN NECESSARY TO MIDDATE. THE CREDING WHERE FRANCING. TO PREVENT INNECESSARY DISTURBANCE AND MINIMEZ WORK REQUIRED TO RETURN THE RIGHT-OF-WAY TO TIE ORIGINAL ELEVATIONS, SLOPES, AND PROFILE AS LOGGELY AS PRACTICAL, BUT CONSISTENT WITH MINIMEZING ABBUILT OWER-BURGE AND SAG-BURGE. GRADED SUBSOIL MATERIALS SHALL BEE STOCK PILED SO IT CAN BE RETURNED TO ITS ORIGINAL DEPTH AND LOCATION AS OPPOSED TO SPEEDA JOING THE RESTORMENT OF THE ARRIVED THE ORIGINAL SHALL GRED. OR OTHERWISE REMOVE AND DISPOSED OF ALL STUMPS, ROOTS AND DERRIS FOUND TO BE IN THE WAY OF CONSTRUCTION WITH PERMANUT RIGHT-OF-WAY UNITS. WHEN THE CONTRICTORS CUTTING GRAVE AGAING ON ACROSS EXISTING PIPELINES, SPOIL OR MATS SHALL BE PLACED OVER THE EXISTING LINES PER THE REQUIREMENTS OF THE CRETATING COMPANY OF THE FOREION PIPELINE.

2. COMPANY FOREIGN LINE AND UTILITY CROSSINGS

CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL SUCH CROSSINGS AND NOTIFY THE OWNER PRIOR TO ANY DITCHING ACTIVITY IN THE VICINITY OF THE CROSSINGS. A MINIMUM CLEARANCE OF 12 In., OR AS REQUIRED BY THE OWNER/OPERATOR, SHALL BE MAINTAINED FROM THE FOREIGN CROSSING, THE CONTRACTOR SHALL MAKE ALL REQUIRED "ONE-CALL" NOTIFICATIONS, AND KEEP DOCUMENTATION OF NOTIFICATIONS. THE CONTRACTOR SHALL KEEP THE MARKINGS REFRESHED AS NECESSARY DURING THE CONTRACTION ACTIVITIES. MAKING NECESSARY RE-NOTIFICATIONS AS REQUIRED, COMPANY WILL LOCATE AND MARK LOCATIONS OF KNOWN COMPANY-OWNED FACILITIES WITHIN EXISTING OPERATING LOCATIONS

IN AREAS WHERE UNDERGROUND FACILITIES SUCH AS PIPELINES ELECTRICAL LINES EINER OPTIC CARLES ETC. EXSTING, EXCAVATION BY MACHINE SHALL BE LIMITED TO NO CLOSER THAN 2 FEET IN ANY DIRECTION) TO THE FACILITY. THE FACILITY SHALL THE BE EXPOSED AND POSITIVELY LOCATED BY HAND EXCAVATION. AFTER THE FACILITY IS EXPOSED, AND ONLY WHILE A COUPANY REPRESENTATIVE IS ON-STE, EXCAVATION. AFTER THE PERMITTED TO WITHIN 1 FOOT (IN ANY DIRECTION) OF THE FACILITY, THE REMAINING EXCAVATION MUST BE HAND

3. DITCH SPECIFICATIONS

DITCH WIDTH AND DEPTH — UNLESS OTHERWISE STATED ON THE DRAWNGS OR RIGHT-OF-WAY LINE LIST, THE DITCH SHALL BE A MINIQUIM OF 12 In. MODER THAN THE PIPE BEING LAID FOR PIPE DIAMETERS LESS THAN 12 In. AND A MINIQUIM OF 15 In. MODER FOR PIPE DIAMETERS 12 In. AND GREATER NIO OF SUCH OPPH THAT THE PIPE SHALL HAVE 48 IN. MINIQUIM COVER IN SOIL AND 36 IN. IN CONSCULDATE ROOK, MEASURED FROM THE TOP OF THE PIPE OF THE PIPE OF THE PIPE OF THE PIPE OF THE APPER OF THE PIPE OF THE PIPE OF THE PIPE OF THE APPER OF THE PIPE OF THE P

CONSOLIDATED_ROCK — CONSOLIDATED ROCK IS DEFINED AS ROCK LAYERS WHERE THE UPPERMOST SURFACE EXISTS AT A HORIER LEVATION THAN THE ELEVATION OF THE TOP OF THE PIPE. THIS CONDITION PROVIDES PROTECTION AGAINST DAMAGE FROM EXTERNAL FORCES AND AUSTRIES COVER.

DITCH GRADING - THE BOTTOM OF THE DITCH SHALL BE CUT TO A UNIFORM GRADE SO THAT THE FULL WIDTH OF THE DITCH SHALL BE AVAILABLE FOR PROVIDING SLACK IN THE LINE WHEN LAID.

BEND_EXCAVATIONS - AT OVER-BENDS AND SIDE-BENDS, THE CONTRACTOR SHALL EXCAVATE THE DITCH TO ALLOW PROPER CLEARANCE BETWEN THE INSIDE BEND OF THE PIPE AND THE BOTTOM OR SIDE OF THE DITCH TO MAINTAIN THE MINIMUM OOVER.

BOCK — IN ALL CASES WHERE ROCK, OR ANY BOULDER LARGER THAN TWO IN, IN DIAMETER IS ENCOUNTERED IN THE BOTTOM OF THE DITCH, THE DITCH SHALL BE EVENLY PADDED WITH SOIL, SAND ON OTHER PADDING MATERIAL IN GROER TO PREVENT THE ROCK OR BOULDERS FROM COMING INTO CONTACT WITH THE PIPE COATING.

THE SPOIL BANK FROM THE DITCHING OPERATIONS SHALL NOT BE PLACED ON ANY LOOSE DEBRIS OR FOREIGN MATTE WHICH MIGHT BECOME MIXED DURNIN PADDING AND BIASPELLING OPERATIONS. THE CONTRACTOR SHALL PROMDE AND MANTAN CAPS OF OPENIOS IN THE SPOIL BANK ARROSS CULTIVATED FELLS, SO THAT EXCESSIVE RAINS DO NOT CAUSE WATER TO BACK UP AND FLOOD CULTIVATED SECTIONS. EXTREME CARE SHALL BE EXPERIEDED IN SEEP ALL DRAIN DITCHES AND WATER COLHESS OPEN AND USERS.

HEN THE DITOL IS EXCAVATED THROUGH LANGS WHERE LIVESTOCK/MILDUTE IS CONFINED OR THROUGH AGRICULTURAL FIELDS WHERE THE COMPANY DETERMINES IT IS DESTRUBLE FOR THE LANGOWING OR TENANT TO HAVE A PASSAGEWAY ACROSS THE DITCH, THE CONTRACTOR SHALL PLUG THE DITCH OR PROVIDE SAFE, TEMPORARY BROIGES FOR GROSSING THE DITCH AND LEAVE AN DEPORING IN THE SPOIL BANK.

6. EXCAVATING NEAR IN-SERVICE PIPELINES

WHEN DITCHING PARALLEL TO AN EXISTING PIPELINE IN THE SAME RIGHTS-OF-WAY, NEAR THE EXISTING LINE AND BEFFER THAN THE EXISTING LINE, CARE SHOULD BE TAKEN TO LEAVE SUFFICIOR TO DISTANCE AND SUPPORT TO ENSURE ASAD LINE DOES NOT SLOUGH OFF INTO NEW EXCAMATION. IF PARALLEL LINE IS A COUPLED HIGH PRESSURE LINE, IT IS NOT PERMITTED TO EXPOSE MORE THAN ONE COUPLING AT A TIME. IN ALL INSTANCES, THE WORK SHOULD BE PLANNED SUCH THAT THE EXCAMATION IS OPEN A MINIMUM AMOUNT OF THE

7. HAULING AND STRINGING

THE CONTRACTOR SHALL HALL AND STRING PIPE, CASHIG AND OTHER MATERIALS TO THE RICHT-OF- WAY OR WORK AREA. THE CONTRACTOR SHALL PROMOR ALL NECESSARY TRUICAS AND EQUIPMENT FOR THE HALLING AND SPOTTING OF ALL MATERIALS. THE CONTRACTOR SHALL FUNNISH SKIDS AND PLACE PIPE ON SKIDS ON THE RIGHT-OF-WAY IN A MANNER WHICH KEPS BOTH ENDS FREE OF DRIT AND DEBTS.

EILD BENDING — WHERE IT IS NECESSARY TO BEND PIPE, ONLY COLD BENDS SHALL BE EMPLOYED. THE BENDS SHALL BE FREE FROM BUCKLING, FLATTENING, CRACKS OR OTHER EVEDENCE OF MECHANICAL DAMAGE AND ALL BENDS SHALL NOT HAVE. A DIFFERENCE BETWEEN THE MAXMUM AND MINIUM DIAMETERS IN EXCESS OF 2.3. OF THE NOMINAL DIAMETER. ALL BENDS SHALL MEET THE CRITERIA SET FORTH IN DOT PART 192.

GENERAL CONSTRUCTION SPECIFICATIONS

8. BENDING (CONT'D)

SLACK AND LONGTUDINAL WELDS — ALL OVER-BENDS, SAGS AND SIDE-BENDS SHALL BE MADE TO PROVIDE AN ADEQUATE AMOUNT OF SLACK IN THE PIPELINE. ON PIPE HAVING A LONGTUDINAL WELD, THE LONGTUDINAL WELD MUST BE LOCATED AS NEAR AS PRACTICABLE TO THE WEUTRAL ANS OF THE BEND.

BENDING MACHINE — EACH BEND SHALL BE MADE USING A COMPANY APPROVED BENDING MACHINE HAVING A FULL CRELE BENDING SHCE WITH A MICOPREME OF URETHANE LINNER TO PROCUECE A SMOOTH, SYMMETRICAL BENDING USES SPECIFIED OFFINENSE BY THE COMPANY. ON PIPE CONTAINING A LIGHTIGHTAN, MELD, THE BENDING USES SPECIFIED OFFINENSE BY THE COMPANY. ON PIPE CONTAINING A LIGHTIGHTAN WELD, THE MADE WITH AN INTERNAL BENDING MANDREL OR THE PIPE IS 12 IL. OR LESS IN OUTSIDE DIAMETER OF HAS A DIAMETER TO PAUL THEORYSES FAIRD LESS THAN 70. IF THE PIPE IS INTERNALLY COATION, THE BEARMS SURFACES OF THE MANDREL SHALL BE CONSTRUCTED TO AVOID PERMANENTLY MARGING OF DAMAGNIC THE MITTERNAL COATION, ON APPRICABLE STREAMS OF THE PIPE WALL THEORYSES SHALL BE MITTERNAL. COATION, ON APPRICABLE STREAMS OF THE PIPE WALL THEORYSES SHALL BE

BENEROL LIMITATION - DEFLECTION SHALL BE LIMITED TO A MAXIMUM OF ONE AND ONE-HALF DEGREES PER PIPE DIAMETE MEASURED LONGITIONALLY ALONG THE PIPE. A COMPANY ACCEPTED METHOD OF MEASUREMENT SHALL BE USED BY THE CONTRACTOR WEN MARKING THE PIPE IN PREPARATION FOR MAKING FELD BENDS. BENDOM SHALL NOT BE ALLOWED IN A DEGLIFERENTIAL WELD AND NOT CLOSER THANS OF I.T.

9. SWABBING AND CLOSING OPEN ENDS

SWABBING — EACH PIPE JOINT SHALL BE SWABBED AS NECESSARY TO REMOVE ALL DIRT AND FOREIGN MATTER FROM THE INSDE OF THE PIPE BEFORE THE JOINTS ARE ALIGNED AND WELDED. THE SWABBING OPERATION SHALL NOT BE CARRIED ON MORE THAN FOUR JOINTS AHEAD OF THE FIRING LINE WELDERS OR AUGNING AND WELDING OPERATIONS.

CLOSING OF PIPE ENDS — WHERE THE LINE IS WELDED IN LONG SECTIONS BY THE FIRING LINE METHOD, THE ENDS OF THE LONG SECTIONS SHALL BE CLOSED AND KEPT CLOSED IN A MAINTER APPROVED BY THE COMPANY UNITL THE LONG SECTIONS ARE FINALLY JOINED. DURING THE LAYING OPERATIONS, CLOSE ATTENTION SHALL BE GIVEN TO OPEN ENDS TO ENSURE A COMPLETELY OPEN AND CLEAN LINE FIRE OF ANY OBSTRUCTIONS. ALL REAGONALE PRECAUTIONS SHALL BE LIKEN TO PREVENT WHERE FROM ENTERIOR THE LINE.

PREVENTION OF FOREIGN MATTER IN THE PIPELINE - THE OPEN END OF THE LINE SHALL BE SECURELY CLOSED AT THE END OF EACH DAY'S WORK TO PREVENT ENTRANCE OF SMALL ANMALS OR THE INTRODUCTION OF FOREIGN MATTER OF ANY MATURE AND SHALL NOT BE REOPENED UNTIL WORK IS RESUMED. ANY OBSTRUCTIONS REMAINING IN THE LINE AFTER THE COMPLETION THEREOF SHALL BE REMOVED.

10. POSITIONING OF LONGITUDINAL SEAM

IN INSTANCES WHERE PIPE OTHER THAN SEAMLESS IS FURNISHED BY THE COMPANY, THE LONGTUDINAL SEAMS OF SLICH PIPE SHALL BE STAGGERED BY NOT MORE HAN 45. LONGTUDINAL WELD SEAMS SHALL HAVE A MINIMUM FOUR-IN-OH CIRCUMPENTHAL OFFSET BETWEEN ABUTTING JOINTS. UNISES OTHERWES SPECIFIED, THE LONGTUDINAL SEAMS ON ADJACENT PIPE SHALL BE STAGGERED, PLACING ONE APPROXIMATELY IN THE 10 OFLOCK POSTRON AND THE OTHER APPROXIMATELY IN THE 2 OCCLOCK POSTRON AND THE OTHER APPROXIMATELY IN THE 2 OCCLOCK POSTRON AND THE OTHER APPROXIMATELY IN THE 2 OCCLOCK POSTRON AND THE OTHER APPROXIMATELY IN THE 2 OCCLOCK POSTRON AND THE OTHER APPROXIMATELY IN THE 2 OCCLOCK POSTRON

11. LOWERING-IN PIPE

OVER-BENDS SIDE-BENDS AND SAG-BENDS - ALL OVER-BENDS SHALL BE MADE AND INSTALLED TO CLEAR THE HIGH POINT OF THE BOTTOM OF THE DITCH BY AT LEAST 12 IN. AT THE POINT OF BEND, AT SEC-BENDS, THE PIPE SHALL BE BENT AND LOWERD TO LAY AGAINST THE CUTSINE WALLAT THE BOTTOM OF THE DITCH. ALL SAG- BENDS SHALL CONTINUOUSLY LIE ON FIRM GROUND AT THE BOTTOM OF THE DITCH.

BPE_SINGS_AND_CROLES — THE CONTRACTOR SHALL PROVICE PLOCED SLINGS FOR HANDLING COATED AND MRAPPED PIPE. THE USE OF BELTING REINFORCED WITH WIRE CASILE SHALL NOT BE PERMITTED. ANY METHOD OF LOMERING—IN WHICH PREVENTS DAMAGE TO THE COATING SHALL BE ACCEPTABLE; HOWEVER, THE USE

CONDITION OF DITCH - PRIOR TO LOWERING-IN THE CONTRACTOR SHALL PROVIDE, TO THE SATISFACTION OF THE COMPANY, A DITCH WHICH IS FREE FROM EXCESS DEBRISK, LABORE ROOSS, AND ROOTS, WILDING ROOSS, SKIDS OR OTHER SLICH GREETS WHICH CAN CAUSE DAMAGE TO THE PIPE AND ITS PROTECTIVE COATING DURING LOWERING-IN OPERATIONS. THE CONTRACTOR SHALL PUMP WATER FROM THE DITCH, BELL HOLES OR OTHER TIE-IN EXCAVATIONS PRIOR TO LOWERING-IN.

ROCK DITCH PADDRICE - IN ALL CASES WHERE ROCKS 2 In. AND LARGER ARE ENCOUNTERED IN THE BOTTOM OF THE DITCH AND NO ADDITIONAL PIPE COATING PROTECTION IS PROVIDED, THE CONTRACTOR SHALL PROVIDE PADDING MATERIAL PLACED EVENLY AND CONTINUOUSLY TO A MINIMUM DEPTH OF 8 In. ALONG THE BOTTOM OF THE DITCH AS APPROVED BY THE COMPANY.

SUPCORTS — THE CONTRACTOR SHALL CONSTRUCT THE PIPELINE TO LIE ON THE BOTTOM OF THE PIPE TRENCH. ALL BENDS SHALL BE MADE TO PIT THE PIPE DITCH. WHERE PIPE CANNOT BE DIRECTLY SUPPORTED BY THE BOTTOM OF THE TRENCH, SUPPORTS SHALL BE PROVIDED BY SANDBAGS OR OTHER COMPANY APPROVED MATERIALS. SANDBAGS SHALL BE PLACED AT POINTS TO PROVIDE STRESS—FREE SUPPORT FOR THE PIPELINE SUBSECUENT TO BADCHLING, SANDAM INTERVALS FOR SANDBAGS SUPPORTS SHALL BE IS T. OR LESS AS REQUIRED BY THE COMPANY, SUPPORTS COMPRISED OF MATERIAS OTHER THAN SANDBAGS SHALL BE CONSTRUCTED IN STRECT ACCORDANCE WITH THE MANUFACTURETS INSTRUCTIONS AND AT STANDBAGS SHALL BE CONSTRUCTED IN STRECT ACCORDANCE WITH THE MANUFACTURETS INSTRUCTIONS AND AT STANDBAGS SHALL BE CONSTRUCTED AT POINTS TO PROVIDE, A STRESS—FREE SUPPORTUNE OF THE PIPELINE SHALL BY SUPPORT WITH THE MANUFACTURETS SHALL BY SUBSECUENT THE PIPELIN PROVIDED OF THE COMPANY AND WITHOUT PROVIDENCE COMPANY WITH THE MANUFACTURERS' RECOMMENDED INSTALLATION DIRECTIONS FOR THE SPECIFIC VEHICLE OF THE MANUFACTURERS' RECOMMENDED INSTALLATION DIRECTIONS FOR

TIE-INS — SECTIONS OF THE PIPELINE EXCAVATED FOR TIE-INS SHALL BE SUPPORTED WITH SANDBAGS OR OTHER APPROVED MATERIALS AT INTERVALS INDICATED ABOVE. SUPPORTS SHALL BE PLACED IMMEDIATELY AFTER FINAL IN-IN-IN TO PROVIDE A STRESS-FREE INSTALLATION SUBSEQUENT TO THE BRACKFILLING OPERATION.

12. BACKFILLING

AFTER LOWERING—IN HAS BEEN COMPLETED, BUT BEFORE BACKFILLING, THE DITCH SHALL BE PUMPED DRY IN UPLAND AREAS AND THE LINE SHALL BE INSPECTED TO ENSURE THAT NO SOIDS, BRUSH, STUMPS, TREES, BOULDERS OR DEBRIS ARE IN THE DITCH. A SUCH MATERIALS OF DEBRISHAE, BUT HE DITCH. AFTER THE PIPE HAS BEEN INSPECTED AND APPROVED BY THE COMPANY, AFTER ALL DAMAGE TO THE PROTECTIVE COATING HAS BEEN REPARED AND AFTER THE COATING ON THE PIPE HAS HAD SUFFICIENT TIME TO CURE, THEN THE COSTRIANCHS SHALL BACKFILL THE DITCH SUFFICIENTLY TO PREVENT FLOATING. THE CONTRACTOR SHALL COMPLETE THE FILLING OF THE DITCH OF MODULE A TRUM BACKFILL EXAMATED MATERIAL SHALL BE PLACED IN THE DITCH. TOPSCILL, WHERE IT HAS BEEN SECREGATED, SHALL BE BACKFILLED AS CLOSE AS POSSIBLE TO ITS GORGINAL LOCATION.

ROCK, TWO INCHES IN DIAMETER AND LARGER, OR LIKE MATERIALS SHALL NOT BE BACKFILLED DIRECTLY ONTO THE PIPE. WHERE SUCH MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL HAUL, IF NECESSARY, SUFFICIENT EARTH OR SAND TO BE BACKFILLED AROUND NO OVER THE PIPE TO FORM A PROTECTIVE PADDING OR CUSHION TO A MINIMUM OF EIGHT INCHES OR, AS OTHERWISE SPECIFIED IN THE SCOPE OF WORK, IN DEPTH BETWEEN THE PIPE AND ANY GRAVEL OR SMALL BROKEN ROCK TO BE BACKFILLED. LARGE ROCK OR BOULDERS IN EXCESS OF 24 In. IN DIAMETER, WOTH OR LENGTH, SHALL NOT BE BACKFILLED INTO THE DITCH, SUCH ROCK

13. TRENCH BREAKER

THE CONTRACTOR SHALL INSTALL EROSION BREAKERS IN THE DITCH OVER, UNDER AND AROUND THE PIPE TO PROVIDE FULL PROTECTION AGAINST BLACFFLL WASHING AT VARIOUS POINTS ALONG THE PIPELINE, BREAKER INSTALLATIONS AND SPACING SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS AS WELL AS COMPANY, LOGAL, STATE, AND FEDERAL REQUIREMENTS.

- BREAKER MATERIALS SHALL INCLUDE, BUT ARE NOT BE LIMITED TO, DECOMPOSABLE BAGS, SAND AND OTHER MATERIALS REQUIRED TO FACILITATE THE PROPER PLACEMENT OF THE BREAKER MATERIAL IN THE DITCH
- DITCH.

 BEAMER INSTALLATIONS MAY BE COMPRISED OF EITHER A MULTIPLE SANDBAG CONFIGURATION OR BY OTHER APPROVED METHODS. ALL BREAKER INSTALLATIONS SHALL MEET WITH THE APPROVAL OF THE COMPANY.

 BREAKER SELE IS DEPENDEDT ON THE EXETURE AND CONDITION OF THE DITCH IN DEPTH, MODIFY, SLOPE AND GRADE. AT A MINIMUM, DREAKERS SHALL EXTEND THE WOTH AND DEPTH OF THE DITCH.

 BREAKERS, SHALL BE SPACED ALONG THE DITCH IN ACCORDANCE WITH THE COMPANYS ENVIRONMENTAL.

14. DIRT PADDING

THE CONTRACTOR SHALL INSTALL ROCK—FREE DIRT PADDING IN AREAS DESIGNATED BY THE COMPANY. TOPSOIL SHALL NOT BE USED FOR PADDING THE DITCH. DRIT PADDING SHALL BE INSTALLED IN THE BOTTOM OF THE DITCH TO A BINNIUM DEPTH OF 8 IN, PROB IT TO LOMERING-IN THE PRETURE, IF OTHER ACCEPTURES EXPRORT FOR PROTICTING THE BOTTOM OF THE PRE IS NOT UTILIZED. A MINIMUM OF 8 In. OF DRIT PADDING SHALL BE INSTALLED AS COVER ON TOP OF THE LINE AS PROTECTION PROR TO BACKFLING. ACCEPTURE ROCK—FREE PADDING MATERIAL BAY BE COSTANDED DRECTLY FROM THE SPOIL, OR BY USING A PADDING MACHINE WITH DATA OF THE PADDING DIRECTLY FROM THE SPOIL OR NOW—FREE PADDING MACHINE WITH DATA OF THE PADDING DIRECTLY FROM THE SPOIL OR NOW—FREE PADDING MATERIAL DAY BE HAZIED IN BY THE ONDERSTANDED THE PADDING MATERIAL DAY BE HAZIED IN BY THE

15. CLEAN-UP

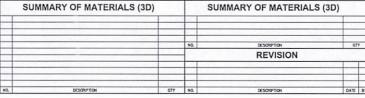
THE CONTRACTOR SHALL KEEP THE ROFT-OF-MAY CLEAR OF LITTER, SHOEL DETECTIVE MATERIALS, AND ALL OTHER CONSTRUCTION DEBBS SIMEDIATELY BEHIND ITS OPERATIONS, TO THE SARTSACTION OF THE COMPANY, UPON COMPLETION OF THE BACGELL THE CONTRACTOR WILL CLEAN THE RIGHT-OF-MAY IN A NEAT AND ACCEPTABLE CONDITION. SURFAULS MATERIALS SHALL BE ASSEMBLED AND DELIVERED BY CONTRACTOR TO A LOCATION DESIGNATED BY THE COMPANY. FENCES SHALL BE ASSEMBLED AND DELIVERED BY CONTRACTOR TO A CATES INSTALLED AS NOCKET BY THE COMPANY. THE CONTRACTOR THAT FURNISH CATES, FENCING AND

THE RIGHT-OF-WAY SHALL BE DISKED, LIMED, SEEDED AND FERTILIZED DURING THE CLEAN-UP OPERATION. THE CONTRACTOR SHALL FURNISH THE LIME, SEED AND FERTILIZER, SEEDING, FERTILIZENG AND MULCHING MUST BE DONE WITHIN 6 DAYS OF FINAL CLEAN UP OR IN ACCORDANCE WITH COMPANY ENVIRONMENTAL RECOURSEMENTS.

PIPELINE MARKERS SHALL BE INSTALLED AT POINTS DESIGNATED BY THE COMPANY DURING CLEAN-UP OPERATIONS. THE COMPANY SHALL FURNISH LINE AND AERIAL MARKERS.







GENERAL INFORMATION

ALL DESIGN, STRENGTH OF PIPELINE AND MADE CALCULATIONS ALONG WITH ROUTING WIDE PREPARED BY ANTIRO AND PROVINCE TO THRASHER FOR ROLLISON ON THE PLANS, THRASHER ASSUMES NO LIMITLY FOR THE CORRECTINESS OF THESE CALCULATIONS AND/OR ROUTE PROVINCED IN METRIC. THIS SHEET IS INTENDED TO BE PLOTTED ON ANIE D (22" X 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

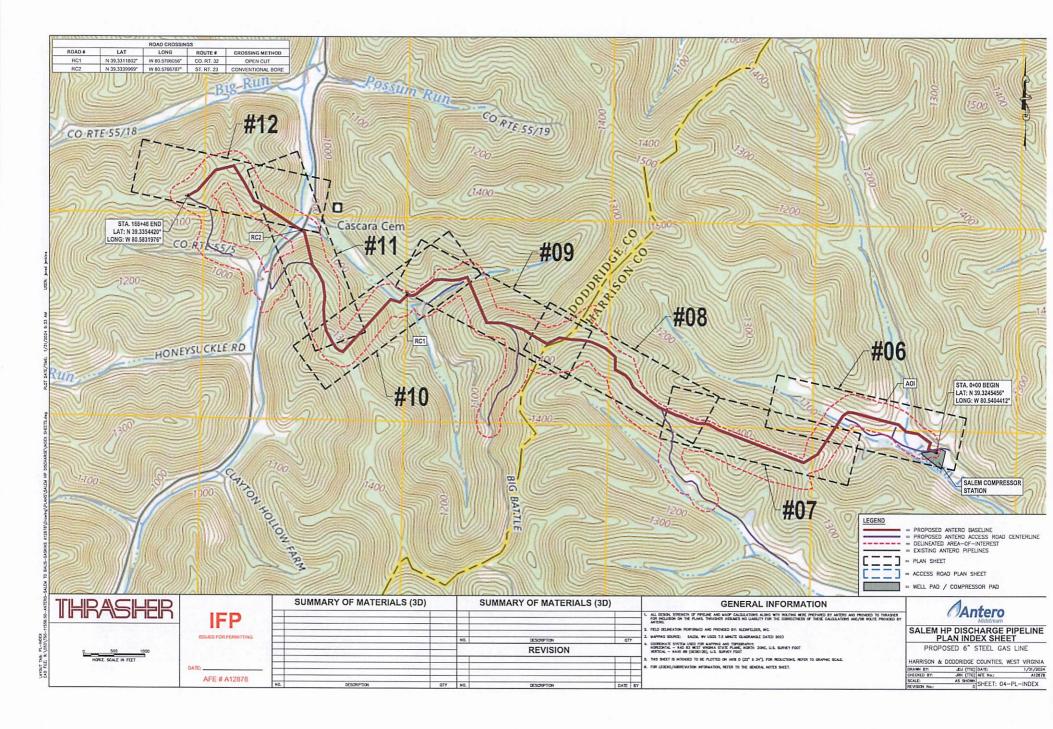
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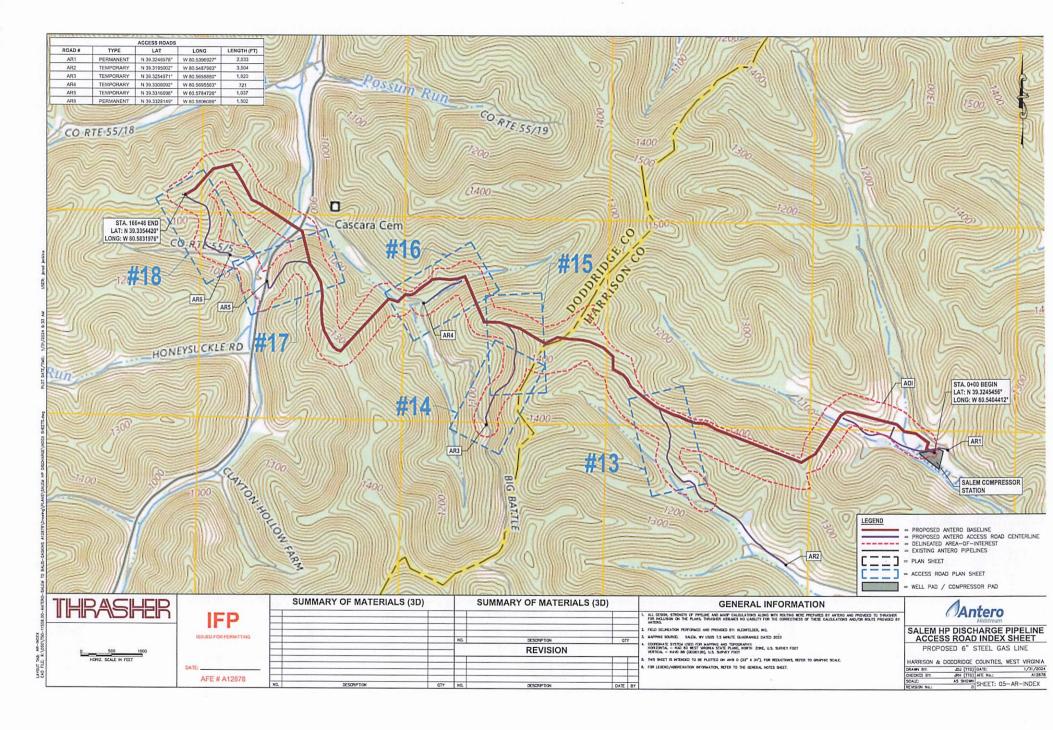
SALEM HP DISCHARGE PIPELINE GENERAL CONSTRUCTION SPECS

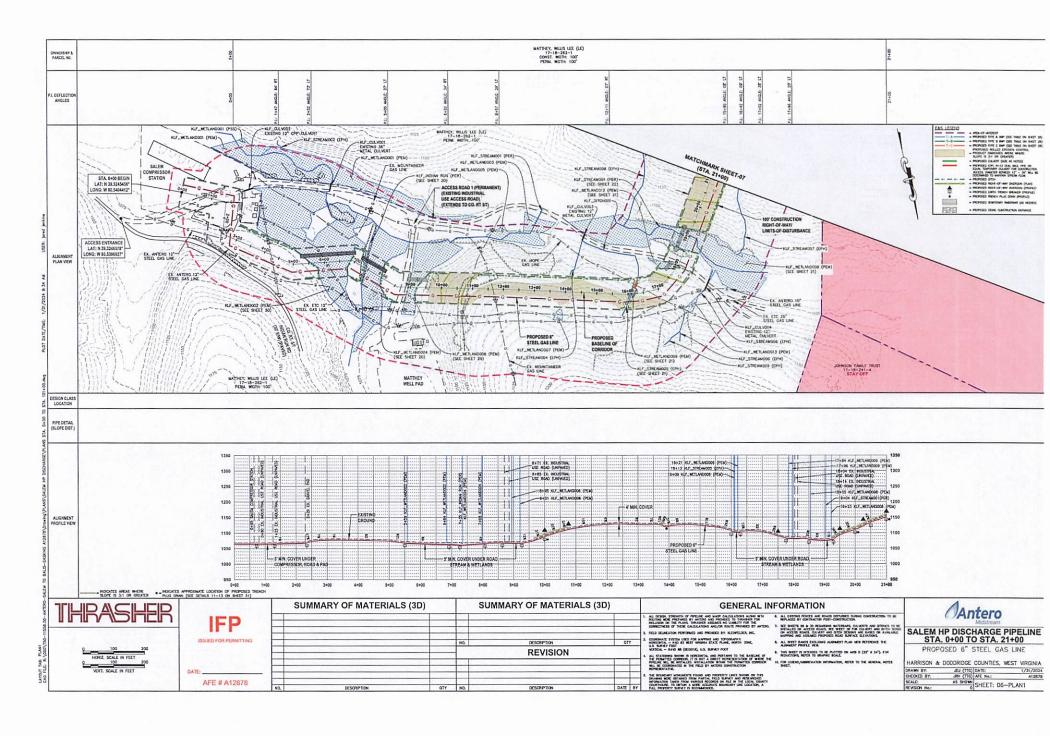
PROPOSED 6" STEEL GAS LINE

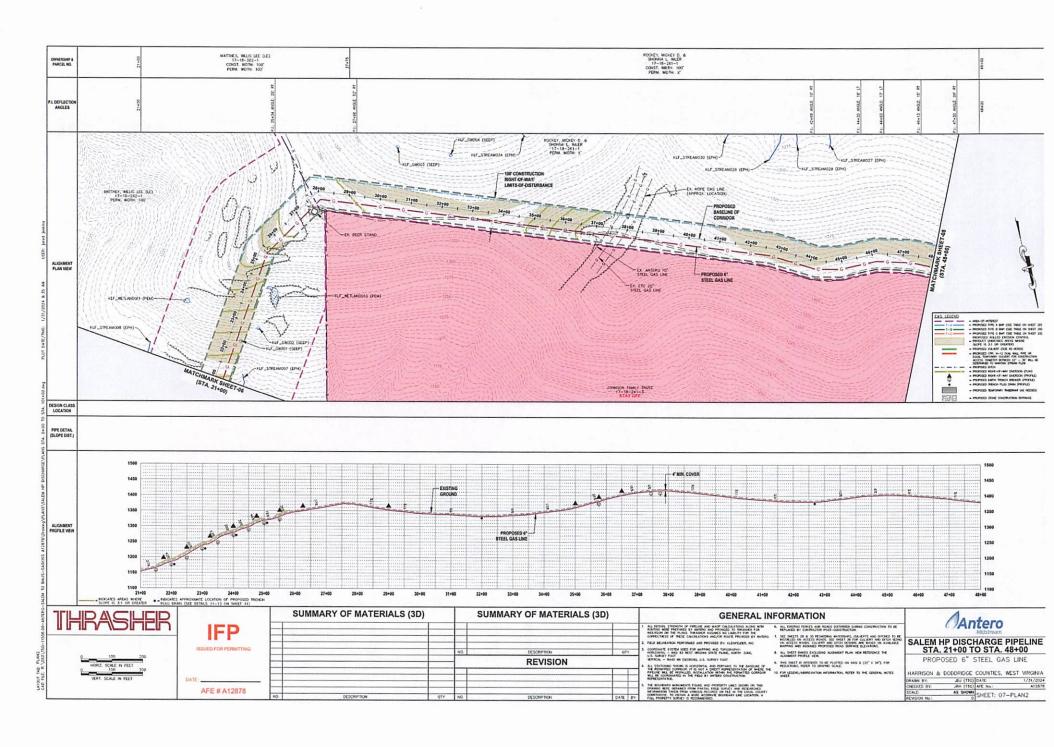
HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA DRAWN BY: CHECKED BY: JOJ (TTG) DATE: 1/31/2024
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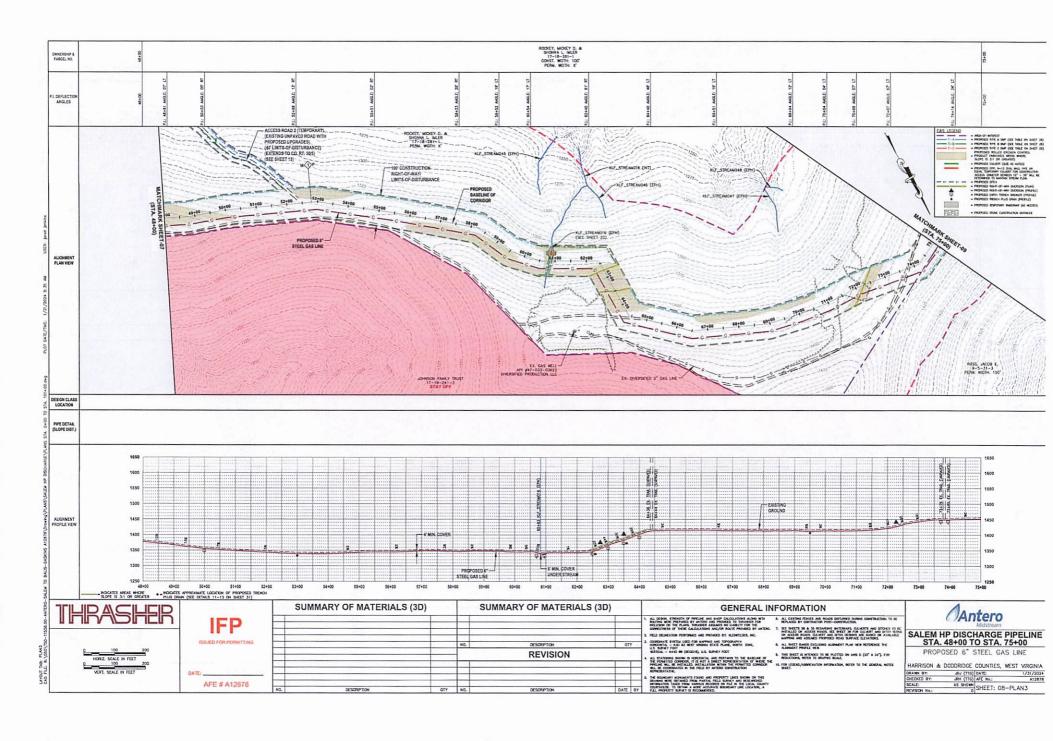
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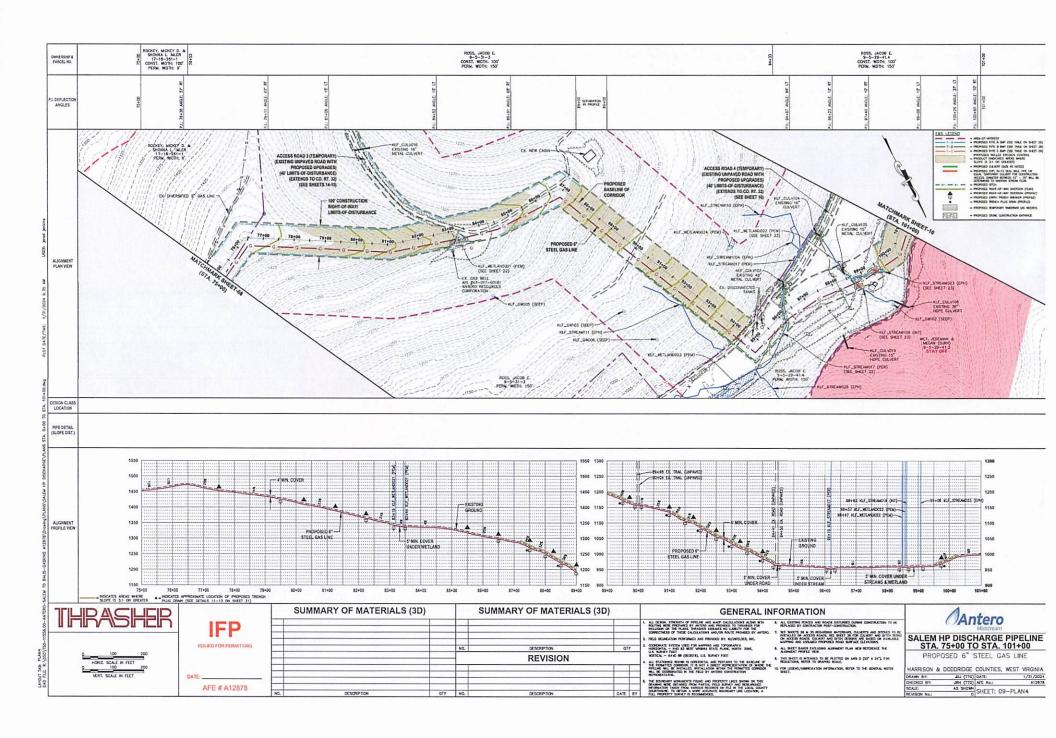


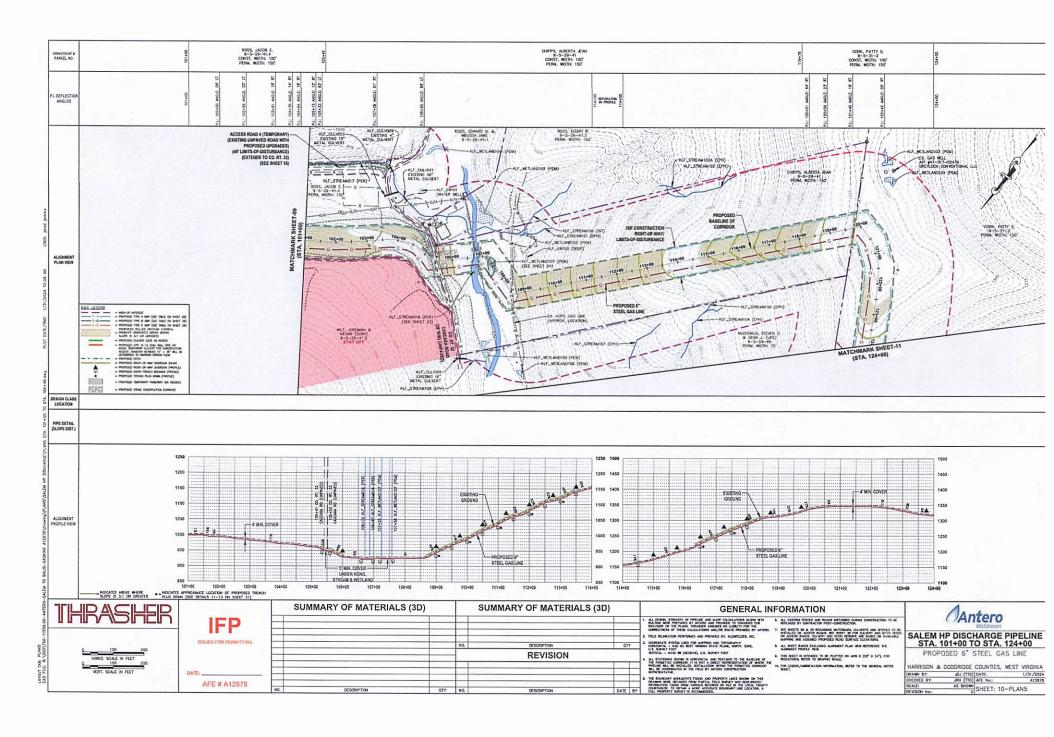


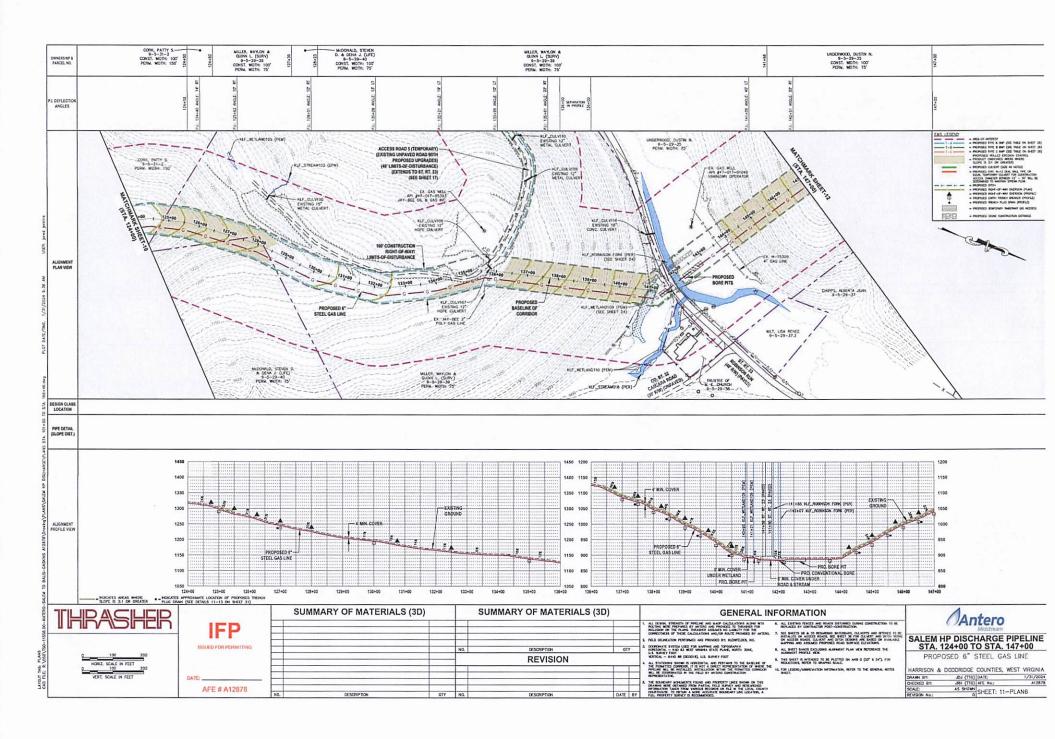


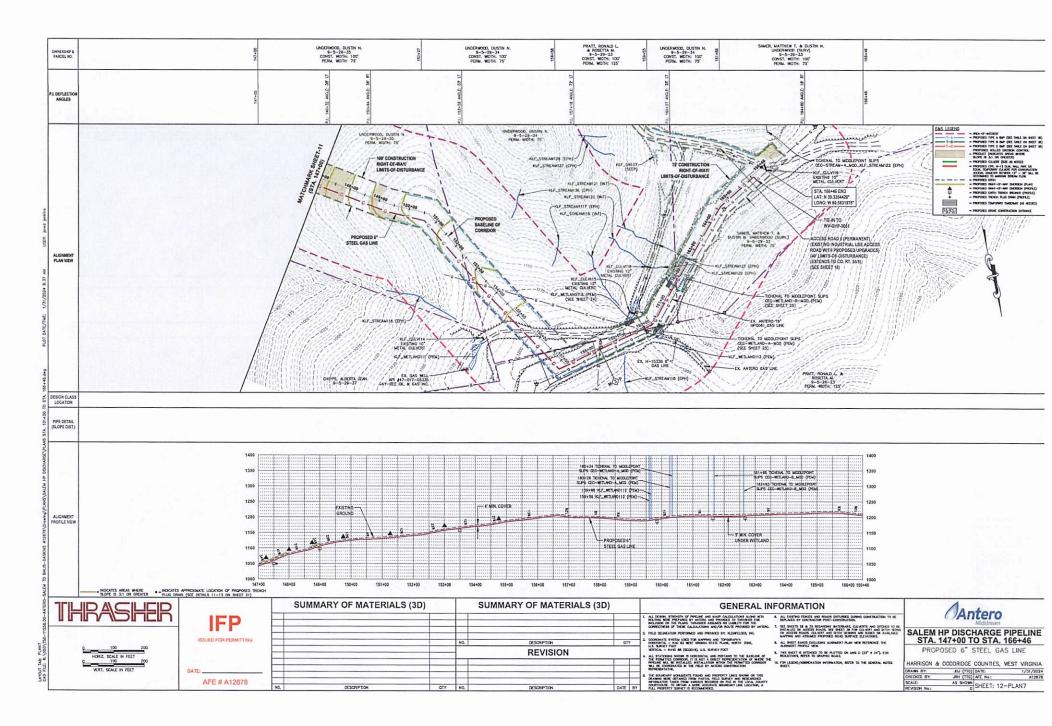


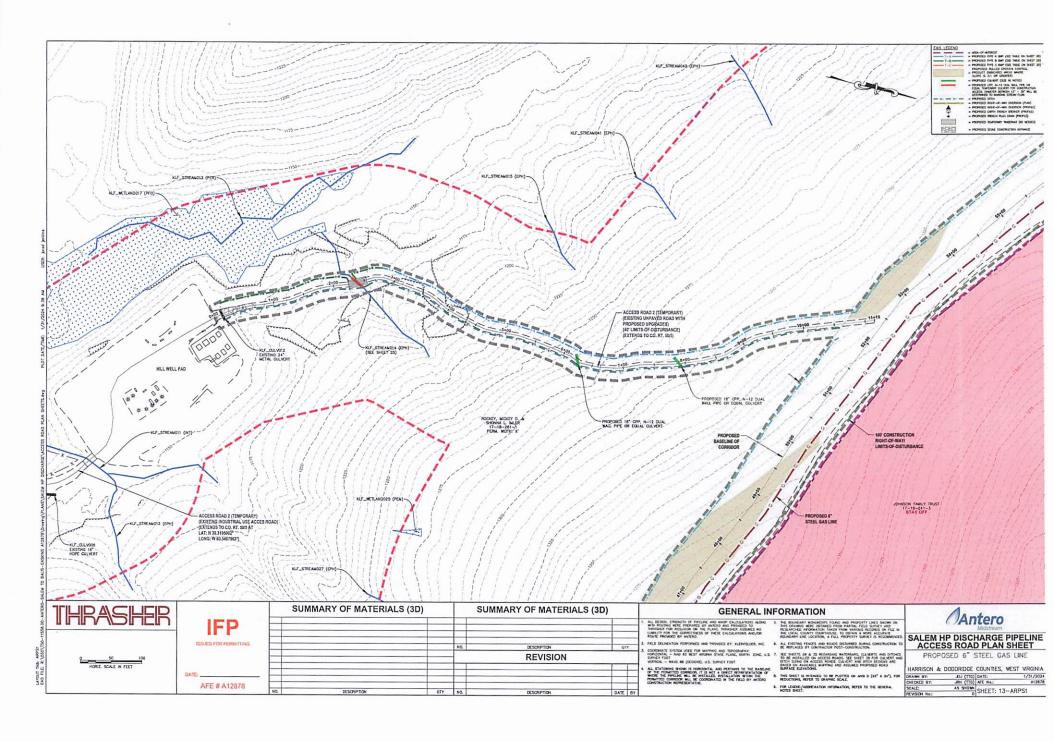


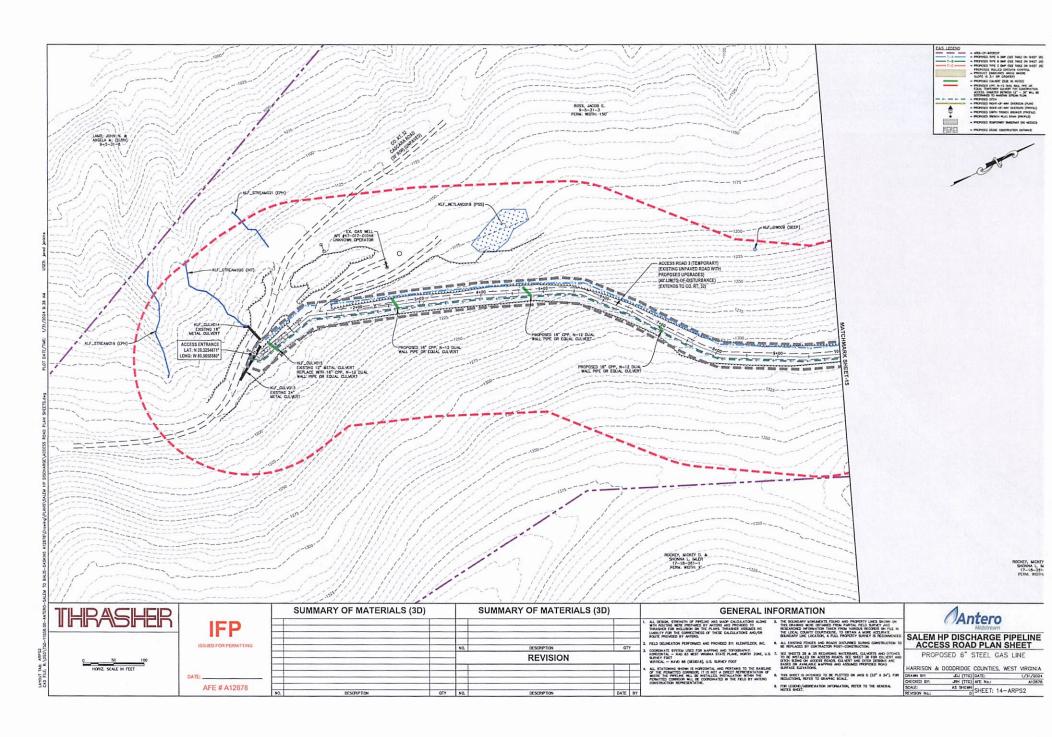


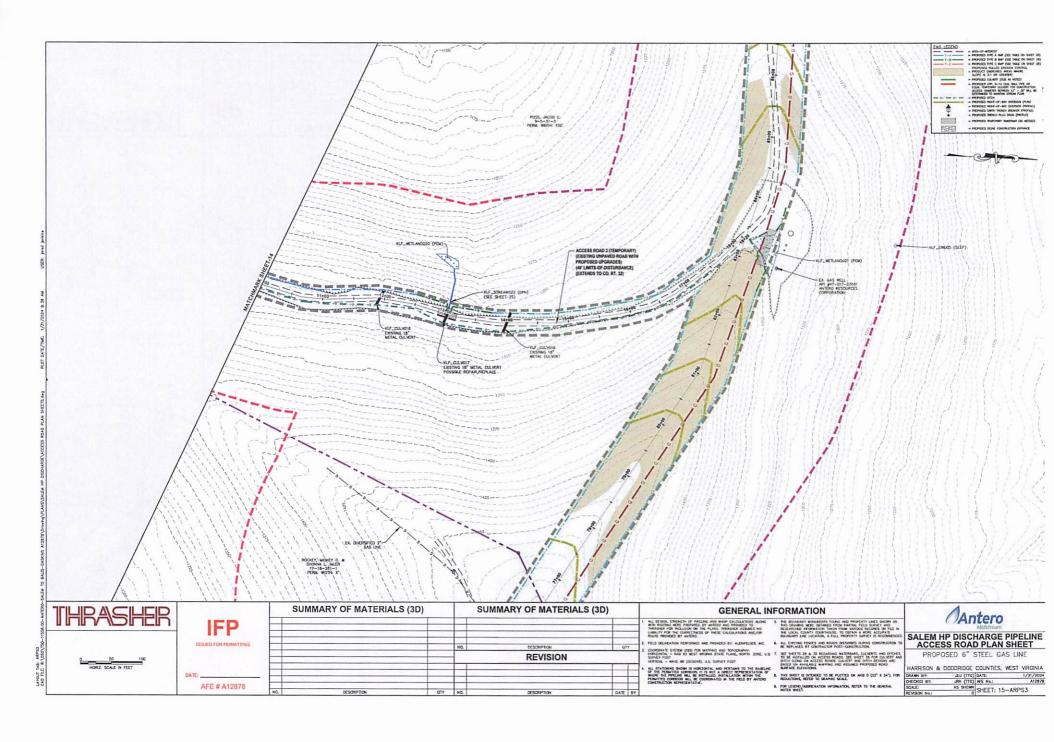


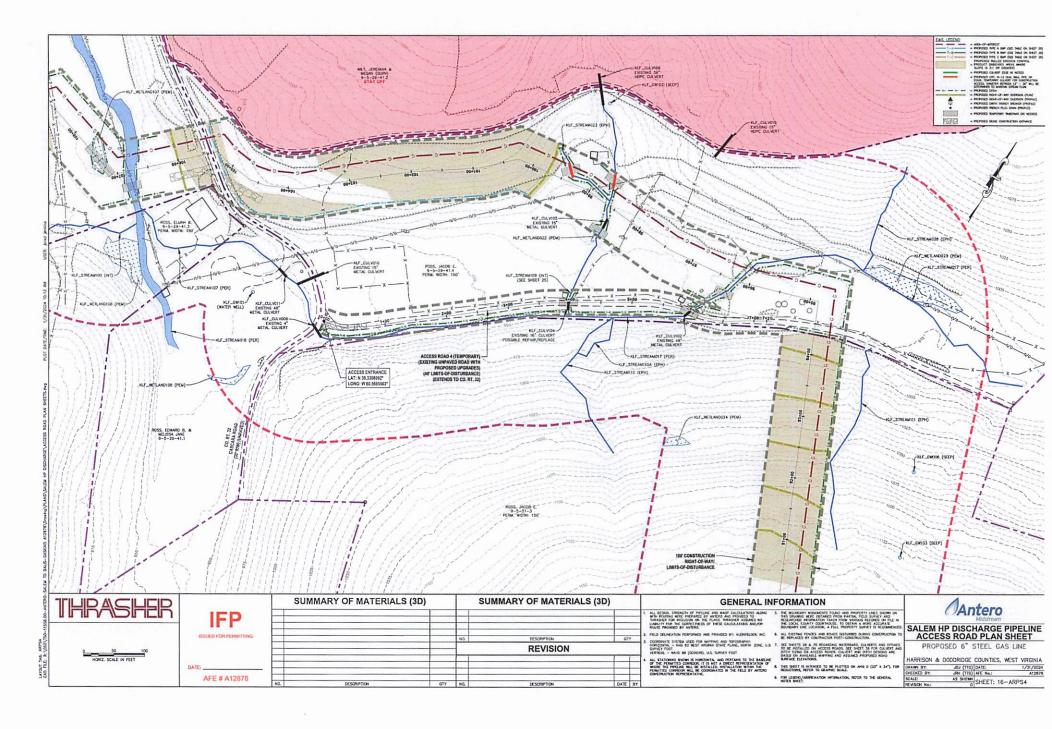


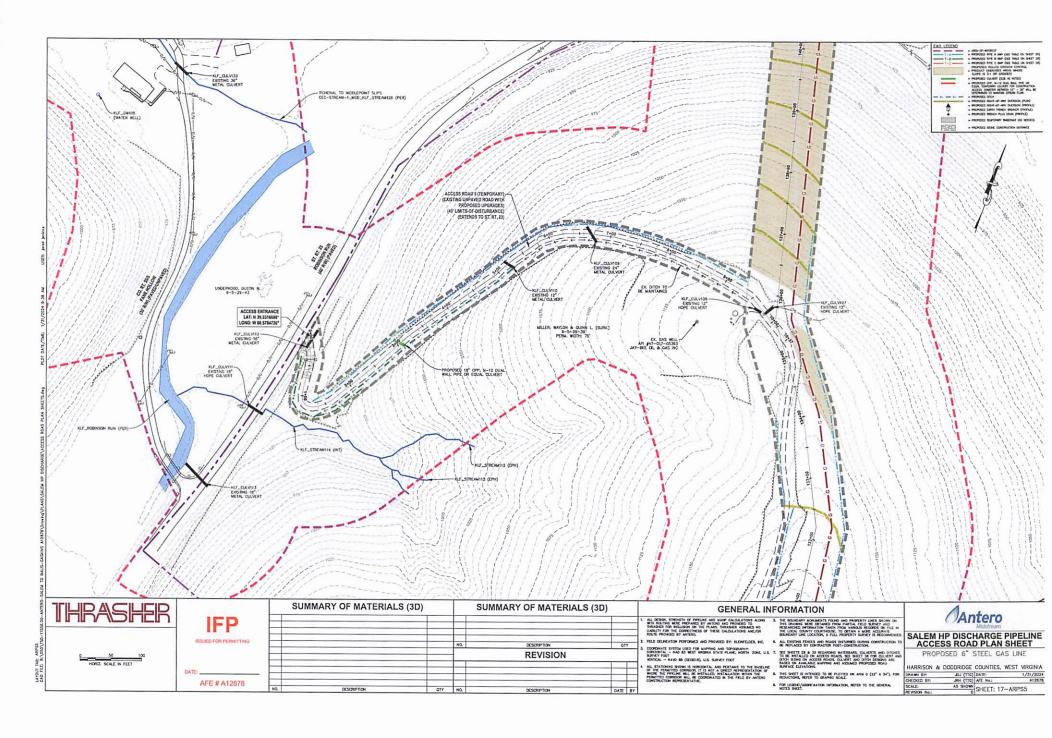


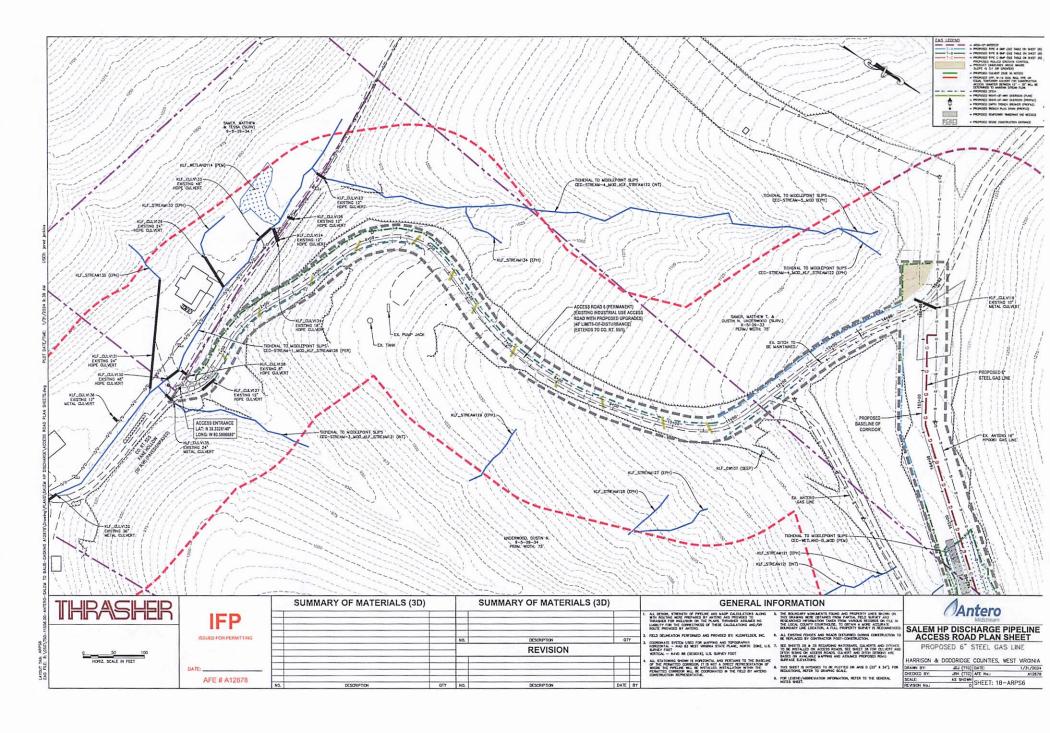


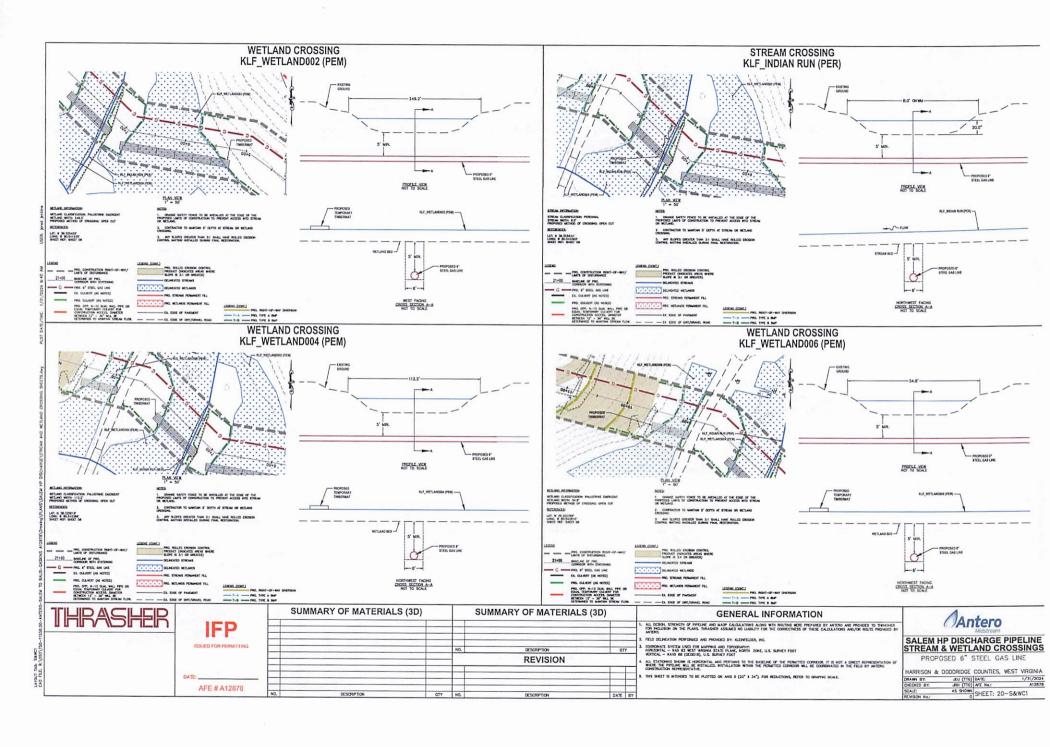


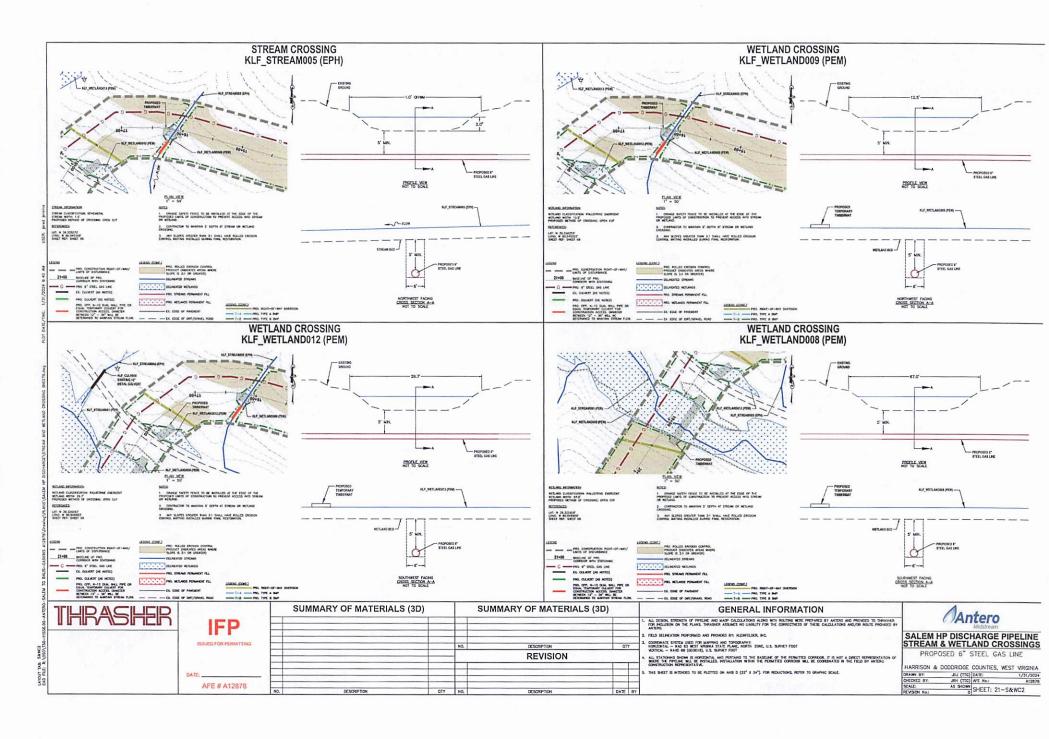


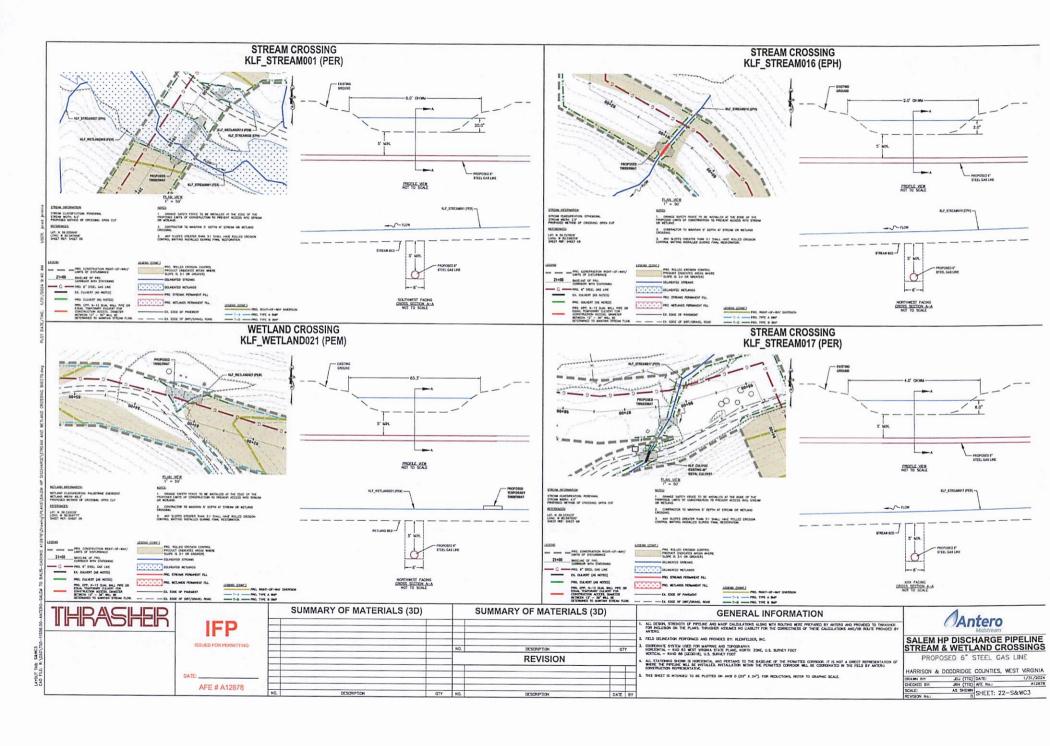


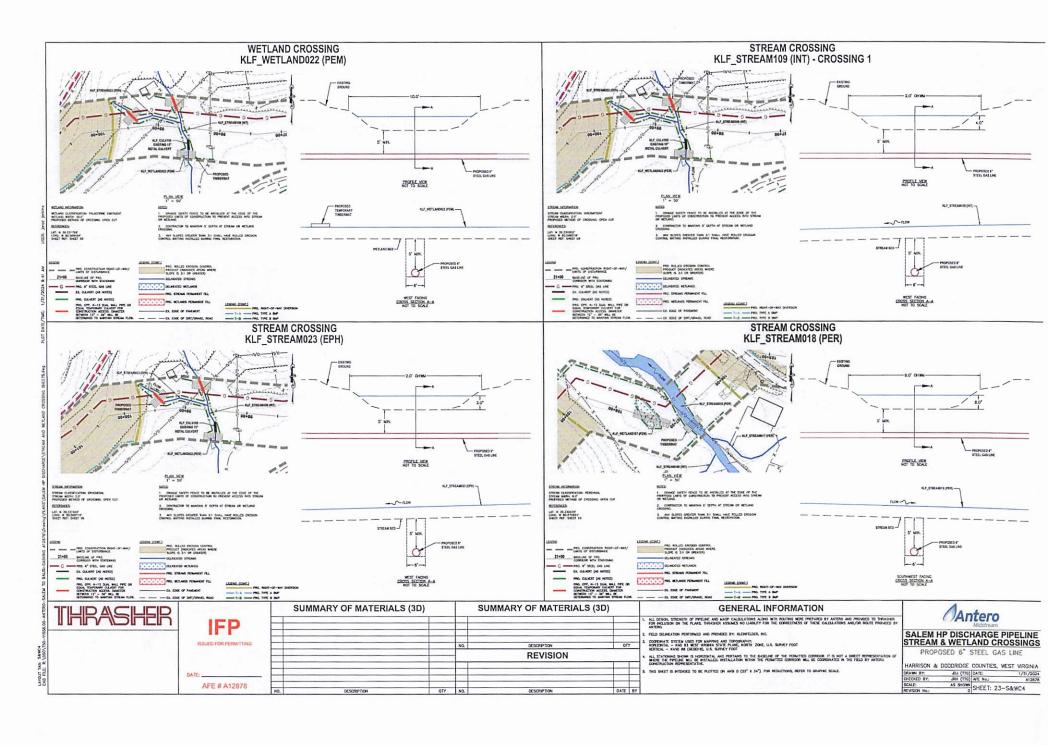


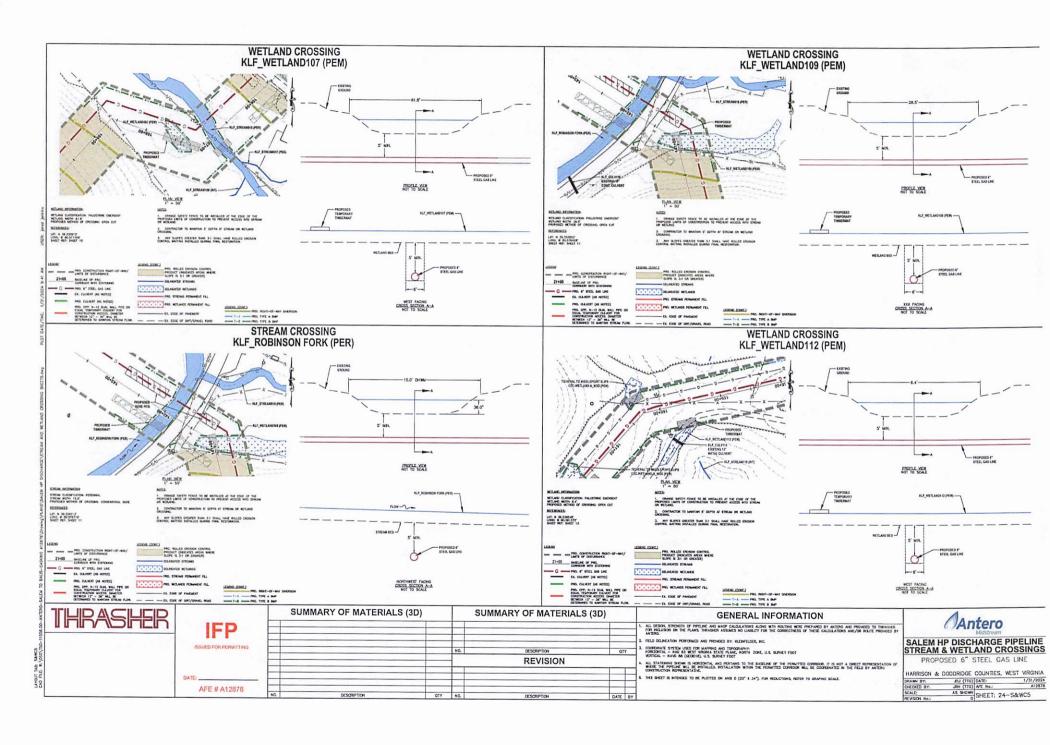


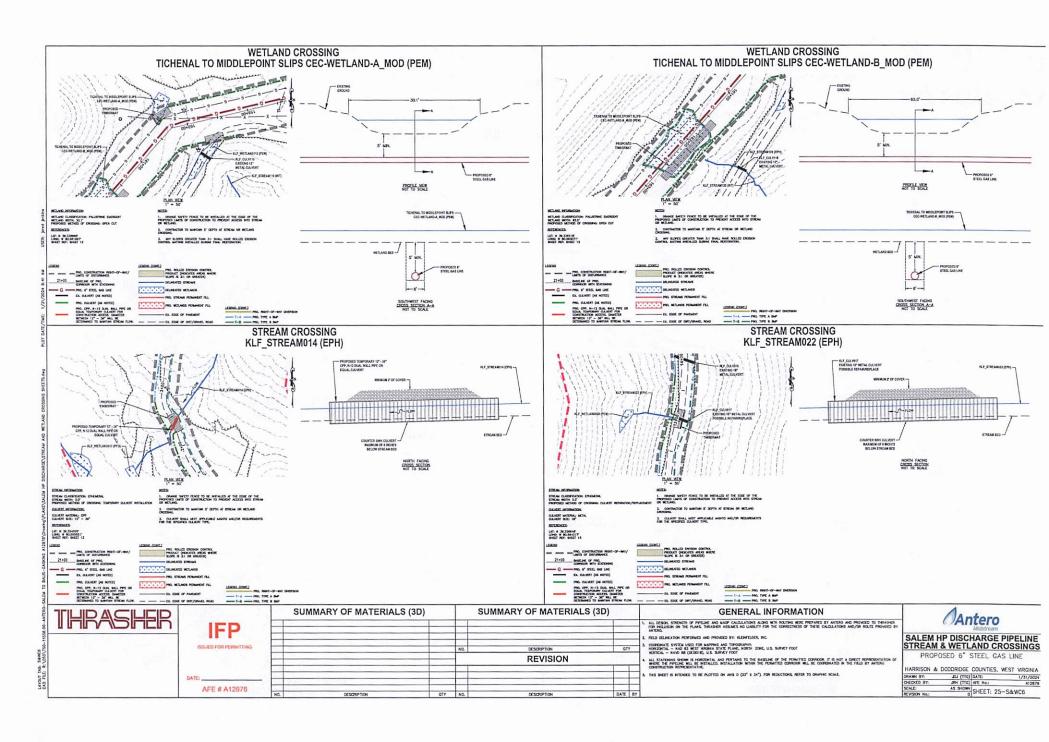


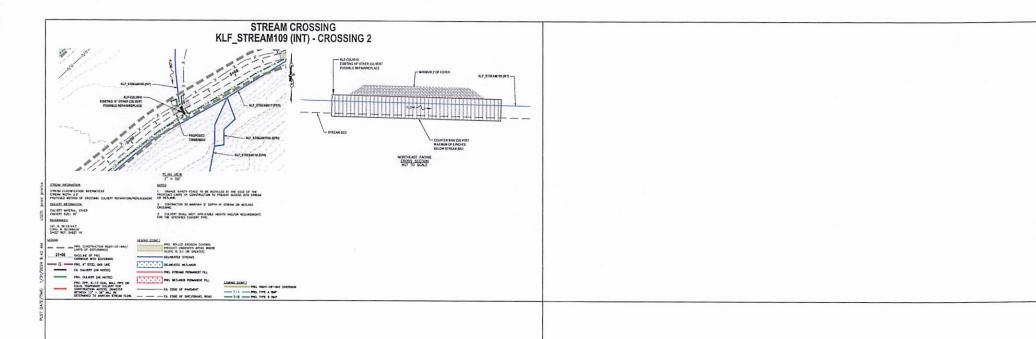












THRASHER

IFP ISSUED FOR PERMITTING

AFE # A12878

	SUMMARY OF MATERIALS (3)	D)		SUMMARY OF MATERIALS (3D)		
			NO.	DESCRIPTION	or	Y
			1	REVISION		
NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	DATE	BY

GENERAL INFORMATION

3. COOPENATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY: HOWZONTAL — NAD 63 MEST WIGHAN STATE FLAME, NORTH ZONE, U.S. SURVEY FOOT WERTICAL — NAVO 66 (CEDOLS), U.S. SURVEY FOOT

 ALL STATIONNES 9-DIM IS HOMEONIAL AND PERSONS TO THE BASELINE OF THE PERSONS HE IS NOT A DIRECT REPRESENTATION OF WARE THE PRELIM WILL BE INSTALLED, INSTALLATION IN THE PERSONS WILL BE COORDINATED IN THE FIELD BY ANTERO CONSTRUCTION MATERIALISM.

S. THIS SHEET IS INTENDED TO BE PLOTTED ON AND D (22" X 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.



SALEM HP DISCHARGE PIPELINE STREAM & WETLAND CROSSINGS

PROPOSED 6" STEEL GAS LINE

- ANTERO WILL OUT AN AN ENCROACHMENT PERMIT (FORM MIN-109) FROM THE WEST VIRIGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- ANY DISHIPANCES FORD IN THE CONTINGION BETWEN THE DRAWINGS AND SHE CHEATONS AND SHE CONCIDENCE ON AMBIOTTES IN CHAMMAGE OF INFORMACION CONTINGED SHE CONTINGE
- WORK SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS, DETAILS AND TYPICALS, ANY DEVIATIONS OR ADDITIONS MUST BE APPROVED BY ANTERO
 PROJECT MANAGEMENT OR DESIGNATED PROJECT REPRESENTATIVE.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PUBLIC OR PRIVATE UTBLITTES WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPARE AT HIS OR HER EXPENSE, OF ALL EXISTING UTBLITTES DAMAGED DURING CONSTRUCTION. FORTY-EIGHT HOURS PROFT ON MY EXCANDION THE CONTRACTOR SHALL CALL WEST VIRIGINAS 100.
- ALL MATERIALS USED FOR FILL OR BACK FILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS, ORGANIC MATERIAL, OR ANY OTHER NON-COMPACT SOIL TYPE MATERIALS. UNSATISFACTORY MATERIALS ALSO INCLUDE UNAPPROVED MAN MADE FILLS AND REFUSE DEBIRS DERIVED FROM MY SOURCE.
- If SPRINGS OR SEEPS ANDOR AN ACCUMULATION OF GROUND WATER IS DISSERVED ON A SIDE OUT OR OUT SLOPE PIPE TRENCH, IMMEDIATELY INFORM THE ON-SITE INSPECTOR FOR AN EVALUATION AND CONSIDERATION OF THE INSTALLATION OF A DRAINAGE SYSTEM.
- HYDROMACH (BONEE) FISER MATEU) ON SE UTLIZED AS A SUBSTITUTE TO EROSION CONTRO, BLANKETS WITH APPROVAL FROM ANTERO, EXCEPT FOR ON NISTORIO STRUMB BANKS AND HOND BANKS. HYDROMACH (BIONDED PRIER MATERS) SPHAL ONLY BE A VALID SUBSTITUTE FOR ENDISON CONTROL BLANKETS OURSING GROSS GROWNOG SALDON.
- HYDROSTATIC PRESSURE TEST WATER FROM ANTERO APPROVED SOURCES ONLY TO BE USED FOR HYDROTEST. NO DEWATERING IS PERMITTED WITHOUT PRIOR ANTERO APPROVAL AND APPLICABLE PERMITS. NOTIFICATION REQUIRED TO ANTERO ENVIRONMENTAL PRIOR TO HYDROTEST.

EROSION AND SEDIMENT CONTROL PLAN NARRATIVE/CONSTRUCTION SEQUENCES

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GENERAL SEQUENCE FOR PIPELINE CONSTRUCTION.

- 1. PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES, CLEARLY MARK ALL CLEARING LIMETS, SENSITIVE AREAS, AND TREES THAT ARE TO BE PRESERVED WITHIN CONSTRUCTION AREA. THESE SHALL BE CLEARLY MARKED, BOTH IN THE FIELD AND ON THE PLANS. TO PREVENT DAMAGE AND OF FAITS IMPACTS.
- 2. INSTALL STONE CONSTRUCTION ENTRANCES AT ALL LOCATIONS WHERE ACCESS ROADS WILL BE ACCESSING A PUBLIC ROADWAY
- 3. INSTALL TEMPORARY ELS CONTROLS (SILT PENCE, ROW DIVERSIONS, ETC.) PRIOR TO ANY EARTH DISTURBING ACTIVITY, WHICH INCLUDES GRUSBING AND EXCAVATION, TO ENSURE, TO THE MUSIKUM EXTERT PRACTICABLE, THAT MINIMAL ENGINENCY OF SEDMENTATION OCCURS.
- 4. ROW DIVERSIONS AND/OR OTHER EROSION AND SEDIMENT CONTROL DIVICES WILL BE INITIALLED AS DEPICTED ON THE PLAN SHEETS AND SPECIFIED IN THE DETAIL SHEETS. IF CLEARING AND GRUSSING IS REQUIRED, SEE BELOW REGARDING THE MANAGEMENT AND DISPOSAL OF DEBRIS.
- A PETER ACCEST OF OR ALOND THE PROPRISED LIST THE PER SECRIP PROVIDED THE CENERAL ACLARIES AND GRAZIAND OF THE THESE AND DISTRICT, MICHORITY PROVIDED THE PETER AND DISTRICT, AND THE SECRIP AND THE PETER AND DISTRICT, AND CONTINUED AND CONTINUED TO THE WITH INFORMED THE THE THE AND ALOND A PETER AND CONTINUED AND CONTINUED OF THE SECRIP AND CONTINUED AND CONTINUED
- MINOR GRADING WITHIN THE ROW WILL BE CONDUCTED WHERE INCESSARY TO PROVIDE AN EVEN SURFACE FOR SAFE AND EFFICIENT OPERATION OF CONSTRUCTION EQUIPMENT GRADING WILL BE THE NUMBAR MICHAY THICK SHAPE AND BRISH MILL BE INSTRUCTED. THE STUAPE, AND LANGE ROCKS AND BOULDERS WILL EXTHERIBE REMOVED FOR SAFET CONCESSION OF LINA PARELD AS HELL INJOINCESS FEVEL ALTOICS.
- EXCAVATE PPILINE TRENCH, A MINIMUM COVER AS SPECIFIED IN THE MIDSTREAM CONSTRUCTION SPECIFICATIONS SHALL BE PROVIDED ABOVE PIPELINE AT ALL WETLANDS STREAMS AND ROADWAYS.
- 8. THE PROPOSED CONSTRUCTION ROW WILL BE USED AS A WORK AREA FOR TRENCH EXCAVATION, EQUIPMENT MOVEMENT, AND THE STORAGE OF SOIL STOCKPILES, AS NEEDED, EQUIPMENT SOIL STOCKPILES, AND OTHER MATERIALS AREA TO REMAIN LIPSCOPE OF BMPs DURING CONSTRUCTION ACTIVITIES.
- SEGREGATION OF TOPSOL AND SUBSOL WILL BE PERFORMED WHERE TRENCH EXCAVATION TAXES PLACE IN AN AGRICULTURAL, WETLAND, OR RESIDENTIAL AREA. IT IS
 REST MANAGEMENT PRACTICE TO SALVAGE AND SEGREGATE TOPSOL WHERE APPLICABLE.
- 10. TEMPORARY EAS CONTROLS FOR STREAM CROSSINGS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE EASCP AND ASSOCIATED DETAIL SHEETS.
- STREAM AND RIVER PIPELINE CROSSING CONSTRUCTION METHODS WILL BE INSTALLED AT LOCATIONS SHOWN ON THE EAS RIAM SHEETS AND AS SPECIFIED ON THE DETAIL BREITE, WATERBOODS WILL BE CROSSED WITH TEMPORARY RIDDORS, SUCH AS TREER MATS OR APPROVED TO UNJUG CROSSINGS, PROOR TO CROSSING THE CONVETANCE. STREAMMANN STREALZHOTON WILL BE PREVIOUND INNEUTRATELY FOLLOWING CORRECTION OF PIPELINE BREITED.
- 12. WETLAND CROSSING WOTHS FOR UTLITY CROSSINGS WILL BE KEPT TO A MINIOU AND WILL BE STABLIZED BY PLACING TIMBER MATS, RIPRAP, OR PHE-FABRICATED SWAMP MATS, AS SHOWN ON THE DETAL SHEETE. ALL IMMERICAS USED TO STABLIZE ACCESS FOLIOS IN METLAND APRICA WILL BE REMOVED FROM THE WETLAND LIS COMPLETION OF THE PIPELINE CONFIRENCE OF THE PIPELINE OF THE PIPELI
- 12. PPLENE SECTIONS WILL BE TRANSPORTED TO THE WORK AREA AND STRUNG ALONG THE WORKING SIDE OF THE ROW PARALLEL TO THE TRANSPORTER. THE PPELENE WILL BE BOTT TO CONCORN TO THE MITCHONTONICAL ALONG MELED WIS DEVELOPED THE WORK WILL SHELD BE SUBJULY MO.

 THE PROPERTY OF THE WORK AND THE WORK AND THE PROPERTY OF THE WORK AND THE WORK
- 14. INSTALL TRENCH SPEAKERS AT LOCATIONS AS SHOWN ON THE EAS PLAN SHEETS AND AS SPECIFIED ON THE DETAIL SHEETS.
- 15. THE TRICKING AS UNBOCKED FOR SHOULD WITHOUT ASSESS THE SECTION AND THE MODERN WILL BE SUGHTLY CONNECT BY FUND AS THE ASSESS THE SECTION AND THE SECTION AND THE SECTION AND THE SECTION ASSESS AS THE SECTION AND THE SECTION ASSESSED AS THE SECTION ASSESSED AS THE SECTION ASSESSED AS THE SECTION ASSESSED. AS THE SECTION ASSESSED AS THE SECTION AS THE SECTION ASSESSED AS THE SECTION AS THE SECTION ASSESSED AS THE SECTION ASSESSED AS THE SECTION AS THE SECTION ASSESSED AS THE SECTION AS
- 16. EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY APPLICATION OF EFFECTIVE BMPs THAT PROTECT THE SOIL FROM BROSIVE FORCES OF RAINDROPS, FLOWING WATER AND WIND.
- 18 AL CERTIBIO DE BATATA DE ATTENE CANCE DE TESTE SECUEDADA LA DIO VERTA EN ENTRE PARA AREA THAT HE ACTES, COMPEDIDADA ON TESTE DE MONE DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA ON TESTE DE MONE DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA ON THE SECUEDADA DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA ON THE SECUEDADA DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA ON THE SECUEDADA DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA ON THE SECUEDADA DE BATATO, AND AREA THAT HE ACTES, COMPEDIDADA DE BATATO, AND AREA THAT HE ACTES, COMPEDIADA DE BA
- 13. POPICTION OF ALL EXOSON AND SEGMENTATION CONTROLS WILLIEL AT A MINIMAN, PERFORMED ONCE EVERY SEVEN CALEMAN DAYS AND WITHIN A HOURS AFTER
 AND STONE NEWS GRAITER WAS SHOWN FOR A HAD ONE PERSON LOTTE. THE RIFE IS A LIBRORM, PERSON MAN, PERSON THE COVERING ESTRAINS—BELL AND AND A PERSON FOR A STATE OF THE PERSON FOR A STATE OF T
- 20. NO SEDIMENT TRACKING ON THE PUBLIC ROADWAY IS ALLOWED. IN THE EVENT THAT SEDMENT IS IMADVERTENTLY TRACKED ONTO THE ROAD, THE ROAD SHALL BE CLEANED THOROUGHLY BY THE END OF EACH DAY, SEDMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING.

- CONSTRUCTION ACCESS RESTORATION SHALL BE EQUAL OR BETTER THAN THE PRE-CONSTRUCTION CONDITION
- APPLICABLE STABILIZATION PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY AND PERMANENT SEEDING, SODDING, MULCHING, EROSION
 CONTROL FABRICS AND MATTING, THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED, AND DUST CONTROL.
- 23. SELECTED SOIL STABILIZATION MEASURES SHALL BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND ESTIMATED DURATION OF USE
- 24. SOIL STOCKPILES MUST BE TEMPORARILY STABILIZED.
- 22. ALLS DOTE SLE PERPAIS. BY MANTENANCE ITEMS, LANCONNERS DESTURANCES E PRACTILES TIEMS, AND ANY OTHER POOL CONSTITUCTION.
 ACTIVITIES WELL DE CONSCIPRATION OF THE STREAM LONDIN HAVE AND ANY THE GAMBON HAVED. CONSCIPRATION FOR A GORGE, MATTION
 CONSIGERS THE GRANDON PANIES TO BE COMMETTE AND THE STIT TRANSITIONED TO THE STABLIZATION PANIES. THESE POOL CONSTRUCTION
 ACTIVITIES MAY BE REQUIRED DESIRED STABLIZATION FOR THE STREAM FOR THE STABLIZATION FOR THE STREAM FOR THE STABLIZATION FOR THE STABLIZATION FOR STABLIZATION FOR THE ST
- 25.A. E&S CONTROL RE-INSTALLATION MAY REQUIRE FIELD ADJUSTMENT FROM THE ORIGINAL E&S PLAN, SO AS TO ALIGN WITH THE POST CONSTRUCTION ACTIVITY AND ASSOCIATED DISTURBANCE.

THE CONSTRUCTION SECURINGE FOR THE SUBSURFACE INSTALLATION OF THE WATER PIPELINE WILL FOLLOW THE AROVE REFERENCED GENER. NIGOTION BEQUENCE (ITEMS 1-23A ABOVE). THE CONSTRUCTION SEQUENCE FOR THE SURFACE INSTALLATION OF THE WATER PIPELINE CONSISTS OF

- ACCESS THE ROW VIA STABILIZED CONSTRUCTION ENTRANCES, GROUND DISTURBANCE THROUGHOUT THE ROW IS NOT EXPECTED SINCE THE WATER PIPELINESS ARE PLACED ON THE GROUND SURFACE EXCEPT WHERE LANDOWNER STRULATIONS / ACCESS MAY REQUIRE THE SURFACE WATER PIPELINESS TO BE BUILDED, IN WHICH CASE THE ABOVE REFERENCED ORIGINAL CONSTRUCTION SEQUENCE WOULD BE FOLLOWED.
- 2 STRING OF IT THE STREAM WATER PRODURES ALONG THE ENTIRE DOW AND EIGH TOGETHER
- IF STREAM ANDIOR WETLAND CROSSINGS ARE REQUIRED. THEY WILL BE PERFORMED AS AERUAL CROSSINGS VIA HIBEAMS / AIR BRIDGES, WHICH WILL BE SITUATED OUTSIDE THE INNTS OF EACH WETLAND AND THE ORDINAY HIGH OWNER AND FEACH STREAM, WIDER STREAM AND OWNER CROSSINGS MAY REQUIRE THIS EMPLACE WATER PREJURED IS DE INSTALLED SUBSURFACE AND WOULD FOLLOW THE ADOVE REFERENCE OF DIFFERENCE.

PIPELINE BMPs INSTALLATION AND REMOVAL SEQUENCE

TEMPORARY AND PERMANENT BMPs WILL BE USED DURING CONSTRUCTION ACTIVITIES TO AVOID AND/OR MINIMIZE ADVERSE ENVIRONMENTAL EFFECTS OF CONSTRUCTION ACTIVITIES.

REPICTIONS OF ALL EAS CONTINUES SHALL BE CONDUCTED. AT A MINNAM, ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN AN HOURS AFTER ANY STORM REPORT WAS AND WITHIN AS HOURS AFTER ANY STORM AT THE NEWFOCK OF STORM AT THE NEWFOCK OF STANLE BE MOSE AS SOON AS FORSING ATTER. THE NEWFOCK OF STANLE SEEMS AND CONTINUES HEREIN ALL PRE-PROPERTY OF THE NEWFOCK OF STANLE SEEMS AND CONTINUES HEREIN ALL PROPERTY AT A WAY SERVICE OF THE STANLE SEEMS AND CONTINUES HEREIN ALL PROPERTY AT A WAY SERVICE OF THE PROPERTY AT A WAY SERVICE OF STANLE SEEMS AND CONTINUES HEREIN ALL PROPERTY AT A WAY SERVICE OF THE PROPERTY OF THE PR

- TEMPORARY EROSION AND SEDMENT CONTROL BMPS SHOULD BE HEMOVED FOLLOWING CONFIRMATION THAT TO PERCENT PERCINNAL VEGETATIVE COVERAGE IS ESTABLISHED TRAPPED SEDMENT SHALL BE REMOVED OR STABLIZED ON-SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE STABLIZED.
- WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPs IDENTIFIED IN THE EASCP ARE INADEQUATE, THE EASCP SHALL BE ADJUSTED TO MAXIMUZE EFFECTIVENESS, AS APPROPRIATE, IN A TIMELY MANNER.
- MARTENANCE OF THE EASOP THE EASOP SHALL BE RETAINED ON SITE. THE EASOP SHALL BE MOOFED WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OFFICIATION, OR MARTENANCE OF ANY DBM. THE EXPENSE A FEMALE OF CERTAIN CHANGES TO THE CONSTRUCTION SHAPPS AS EXCHAFGED IN THE CONSTRUCTION SHAPP, EXCHANGED ON THE CONSTRUCTION OF THE REVISION A PROVINCE ACCURATE ACCURATION HAVE ASSET OF EXCHANGED AS EXCHAFGED IN THE CONSTRUCTION SHAPP, EXCHANGED ON THE CONSTRUCTION OF THE REVISION A PROVINCE ACCURATE ACCURATION AND ASSET OF THE CONSTRUCTION OF T
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC WILL BE ACCESSING A PUBLIC ROAD DIRECTLY FROM A DISTURBED AND.
- TEMPORARY SEDIMENT BARRIERS, SUCH AS APPROPRIATELY SIZED SILT FENCE OR ENHANCED BMPs WILL BE PLACED DOWN SLOPE OF WORK AREAS AND ANGUND SOIL STOCKPLES. AS NEEDED.
- APPROPRIATELY SIZED FENCING WILL BE PLACED AROUND WETLANDS AND WATERBODIES ADJACENT TO THE WORK AREA PRIOR TO ANY TRENCHING ACTIVITIES.
- 8. TIMPORAY STREAM AND WELLING CROSSINGS SHALL BE INSTALLED A ROCKATED ON THE EAS FAM SHEETS AND AS FIRST THE EAS DETAIL SHEETS. FOR ALL OTHER RESEARCH OR STREAMS THE CHARGETS AND AS FIRST AND THE EAS DETAIL SHEETS. FOR ALL OTHER RESEARCH OR STREAMS BUT OF THE LIGHT OF DETAIL BE DEAD ON MY. OCKOTIONS, A TEMPORAY SERGES SUCH AS THEMER HAT OR AN APPRIVED EQUAL SHALL BE RETAILED, PRORT TO CROSSING THE CONVEYANCE IF THERE IS A CONVEYANCE THE THE STREAM THE PROPERTY ATTEMPORATED AND THE PROPERTY OF THE CONVEYANCE IF THEMER IS A CONVEYANCE THE THE STREAM THE PROPERTY ATTEMPORATED AND THE PROPERTY OF THE CONVEYANCE IF THEMER IS A CONVEYANCE AND THE PROPERTY OF THE CONVEYANCE IN THE STREAMS THE PROPERTY ATTEMPORATED AND THE PROPERTY OF THE CONVEYANCE IN THE STREAMS THE PROPERTY OF THE CONVEYANCE IN THE STREAMS THE PROPERTY OF THE PROPERTY
- ROW DIVERSIONS WILL BE INSTALLED IMMEDIATELY AFTER INITIAL DISTURBANCE OF THE SOIL IN ACCORDANCE WITH THE DETALS AND SPACING SIZING REQUIREMENTS AS DEPORTED IN THE ROOM-OF-WAY DIMENSION DUTLET (WATERBAY) DETALS ROW DIVERSIONS WILL BE CONSTRUCTED OF SOIL TO REDUCE RUNGHY FECCUTY AND DIVERT WATER OFF OF THE PREFIXER ROW.
- 10. TRENCH DEWATERING, IF NEEDED, WILL BE CONDUCTED USING A PUMP AND HOSE, WATER WILL BE RELEASED INTO A FATER BAG AND FOR DEWATER STRUCTURE. FLAT, WELL-VEGETATED AREAS WILL BE UTRIZED FOR DEWATERING LOCATIONS, WHEN AVAILABLE, VISUALLY DISERVABLE SINK HOLES, DEMITTIED A HEAD OF DEWATERING ACTIVITY, WILL BE AVAIDED WHEN POSSIBLE.
- TRENCH BREAKERS WILL BE INSTALLED IN SLOPING AREAS GREATER THAN FIVE PERCENT AND ON SLOPES ADJACENT TO STREAMS, WEILANDS, AND ROADS CROSSINGS TO PREVENT SUBSURFACE EROSION TRENCH BREAKERS WILL BE INSTALLED IN ACCORDANCE WITH THE SPACING REQUIREMENTS.
- 13. FOR PORTRIONS WILL BE INTIFICIAL TO A RESIMINATE ACTIONS AS ONCE AREA OF CONSTRUCTION FOR TO RESISTE EDISIONANCE FOR INSTITUTE TRANSPORT OF THE THEORY AND THE INSTITUTE ACTION FOR THE THE RECORD OF CONTRACT OF THE THE THEORY ACCOUNT OF THE THE RECORD OF COUNTRY TO THE THEORY ACCOUNT OF THE THEORY ACCOUNT OF THE THEORY ACCOUNT OF THE THEORY ACCOUNTRY TO THE THEORY ACCOUNTRY TO THE THEORY ACCOUNTRY.
- IMMEDIATELY FOLLOWING BACKFILING, ALL DISTURBED AREAS WILL BE GRADED IN PREPARATION FOR SEEDING AND MULCHING. THE CONSTRUCTION SITE SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION. ESTABLISHMENT OF FINAL COVER MUST BE INITIATED AS SOON AS CONDITIONS ALLOW
- 15. FOR THREE TO ONE OR STEEPER SLOPES THE DISTURBED AREA WILL BE VERTICALLY TRACKED, EROSION CONTROL FABRIC WILL BE INSTALLED.
- 14. TEMPORATY SECIMENT MARRIERS WILL BE MANTANED, INTEL YESTSTATON MAY BECOME ESTABLISHED WITH A REPORT COVERAGE OF DENSITY OF 70 PERCENT OR MADE WITHIN THE DETERMENT OWN OF THE THE SOUTHANDER MEDIA TO BE ADMINISTRATION OF THE THE SOUTHAND HAS BEEN REPORTED THE THE REMOVED FOR THE WORK OF THE REMOVED OF THE WORK OF THE REMOVED OF THE
- 17. ALL WASTE MATERIAL WILL BE TRANSPORTED OFF-SITE FOR RECYCLING ANDIOR DISPOSAL, WHERE FEASURE, CONSTRUCTION WASTE MATERIALS WILL BE RECURSED ON WALL BE WASTE ON A WORLD AND A TOTAL OFFICIAL STATE OF THE STATE O
- 18. TEMPORARY STOCKPILES NEED BMPs SUCH AS SILT FENCE / SOCK OR ENHANCED BMPs PLACED ADJACENT TO ROW
- 19. CONTRACTOR IS EXPECTED TO MINIMIZE DISTURBANCE WITHIN THE ROW.

AFTER CONSTRUCTION IS COMPLETED AND TOW UNFORM PERENNIAL VEGETATION HAS BEEN ACHEVED, ALL BMPS WILL BE REMOVED AND ANY LAND DISTURBED BY REMOVAL WILL BE STABLIZED. UNLESS OTHERWASE SPECIFIED, ALL MAINTENANCE MUST BE COMPLETED AS SOON AS CONDITIONS ALLOW AFTER AN INSPECTION INSPECIES THAT A DUR BY NOT EMPTOWARD AS DECIMED.

- 2. SEDIMENT MUST BE REMOVED WHERE ACCUMULATION REACHES ONE-HALF THE ABOVE GROUND HEIGHT OF A BMP (ALL TYPES).
- 1 BMPs (ALL TYPES), WHICH HAVE BEEN UNDERMINED OR TOPPED, SHOULD IMMEDIATELY BE REPARED
- 5. LOGS OF SEDIMENT CONTROL INSPECTION MUST BE KEPT WITH THE INSPECTORS CONSTRUCTION RECORDS AND INCLIDE DATE, TIME, AND CONDITION OF BMPS AND ANY INSCESSARY MARTERIANCE.
- 6. TEMPOWARY AND PERMANENT EAS CONTROL BMPs SHALL BE MAINTAINED AND REPARED AS NEEDED TO ASSURE CONTROLED PERFORMANCE OF THEIR INTENDED FUNCTION MAINTENANCE AND REPARE SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OREATER THAN 6 AND LOT FOR THE PER A HOUR PRESS.
- TEMPORARY ESS CONTROL BIMPS SHOULD BE REMOVED FOLLOWING CONFIRMATION THAT 70 PERCENT PERENNIAL VEGETATIVE COVERAGE IS ESTABLISHED.
 TRAPPED SCOMENT SHALL BE REMOVED OR STABILIZED ON-SITE DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE STABILIZED.

MATERIAL WASTE HANDLING AND RECYCLING

- GARBAGE DISPOSAL IS HANDLED THROUGH ONE OF THE LOCAL WASTE MANAGEMENT PROVIDERS/FACULTIES, IF NECESSARY, THE CONTRACTOR WILL OBTAIN A DUMPSTER FOR THE DURATION OF THE WORK WHICH WILL BE DISPOSED OF AT A LICENSED PERMITTED MUNICIPAL LANDFILL.
- 2. THE CONTRACTION WILL DOUGH OF ALL SOMEWANTERS. THE COMP WATERS AND THE RESIDENCE OF THE OTHER STEEN OF DEPOSED OF RESIDENCE DATA.

 SOCIETY IS CONTRACTED WITH THE CONTRACTION OF ALL SETTINGS AND THE CONTRACTION OF THE CO
- CONSTRUCTION WASTE MATERIALS, INCLUDING BUT NOT LIMITED TO BENTONTE, POLY PIPE SHAVINGS, AND SANDRAGS, WILL BE RECYCLED OR WILL BE TAKEN TO THE NEAREST APPROVED FACULTY FOR DISPOSAL EXCESS SOL MATERIAL, IF ANY, WILL BE SPREAD AND REVEGETATED WITHIN THE ROW, OFF-SITE SPOL ANDOR DISPONS SITES MUST BE OPERATED LONGER A CARRENT POETS.

SEEDING

- 1. SEE DETAILS 29-31 FOR TEMPORARY SEEDING, PERMANENT SEEDING, AND MULCHING REQUIREMENTS.
- 2. EXPOSED AND UNWORKED SOLLS SHALL BE STABILIZED BY APPLICATION OF EFFECTIVE BMPs THAT PROTECT THE SOLL FROM EROSIVE FORCES OF RAINDROPS, FLOWING WATER AND WIND.

FERMANENT SEEDINGAMILCHING
3. ALL DISTRIBUTE DAGES INTO AN EXTENDED ON A PERSON TO ALL DATE OF MORE MUST BE DEFOCE AND ME, CHED WITHIN SECURIOR OF MORE MUST BE DEFOCE AND ME, CHED WITHIN SECURIORS WHILE THE ORDINATION OF STREAM OF MEMBERS AND A PERSON OF MEMBERS AND A P

TEMPORARY SEEDINGMULCHING

A. ALL DISTURBID AREAS THAT ARE THAT OF A FEWL GRADE OR AREAS THAT WILL NOT BE WORKED AGAIN FOR 21 DAYS OF MORE WIRTHES ESCEDED AND MALE HED WITH SEEDING ACTIVITY TEMPORARY CRASED IS WITH SEEDING ACTIVITY TEMPORARY CRASED IS ON A POTTOR OF THE SITE WITH A STATE OF A STA

POLLUTANT CONTROLS

- ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS. THAT OCCUR ON SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF SURFACE WATER, WOODY DEBRIS MAY BE CHOPPED AND SPREAD ON SITE.
- COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INCERT WASTES PRESENT ON THE SITE.
- MANTENIANCE AND REPART OF HEAVY EQUIPMENT AND VEHICLES INVO, VING OR, DUNINGES, HYDRAULIC SYSTEM DIMIN DOWN, SOLVERT AND DE-GREASING CLEANING OFFICENCIES, FULL TIME ORAN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT TO DISJOURGE ON SPILLAGE OF POLLUTIONS TO THE GROUND OFFI TO SPARKEY MEMBER ACTOR MAY SEE CONCECTED LOWNS SHE PREVENTION MANAGERS, SOLVED AND SPIN OCCUPATIONATED SHEAR SHALL BE CLEANED IMPLICATELY FELL OWNS AND TROUGHEST ON SPILL INCOME. MEMORIPHIS FRANCES MAY BE PRIF OWNED ON SITE LINING TELEFORMY PLASTIC FLACE DEBRIGHTANCE FRANKEY, OVER THE VEHICLE.
- APPLICATION OF AGRICULTURAL CHEMICALS INCLUDING FERTILIZERS AND PESTICIDES SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT HEISSLY BLOSS OF CHEMICAL TO SURFACE WATER RUPOFF, MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION RATES AND PROCEDURES SHALL BE FOLLOWED.
- BMPs SHALL BE USED TO PREVENT OR TREAT CONTAINATION OF SURFACE WATER RUNOFF BY PH MODE YING SOURCES. THESE SOURCES INCLUDE BLEK CEMENT, CEMENT RUN DUST, IV, YASH IN IN CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SANNING, DOZDED ADDRESOLT PROCESSES, AND CONCRETE WASHING AND MODE WASHOUT WATERS.
- 6. REPORT SPILLAGE OR DISCHARGE OF POLLUTANTS THAT IMPACT SURFACE OR GROUNDWATER TO ANTERO PERSONNEL IMMEDIATELY.



IFP ISSUED FOR PERMITTING

AFE # A12878

SUMMARY OF MATERIALS (3D) SUMMARY OF MATERIALS (3D) DESCRIPTION QTY REVISION DATE BY DESCRIPTION DESCRIPTION

GENERAL INFORMATION

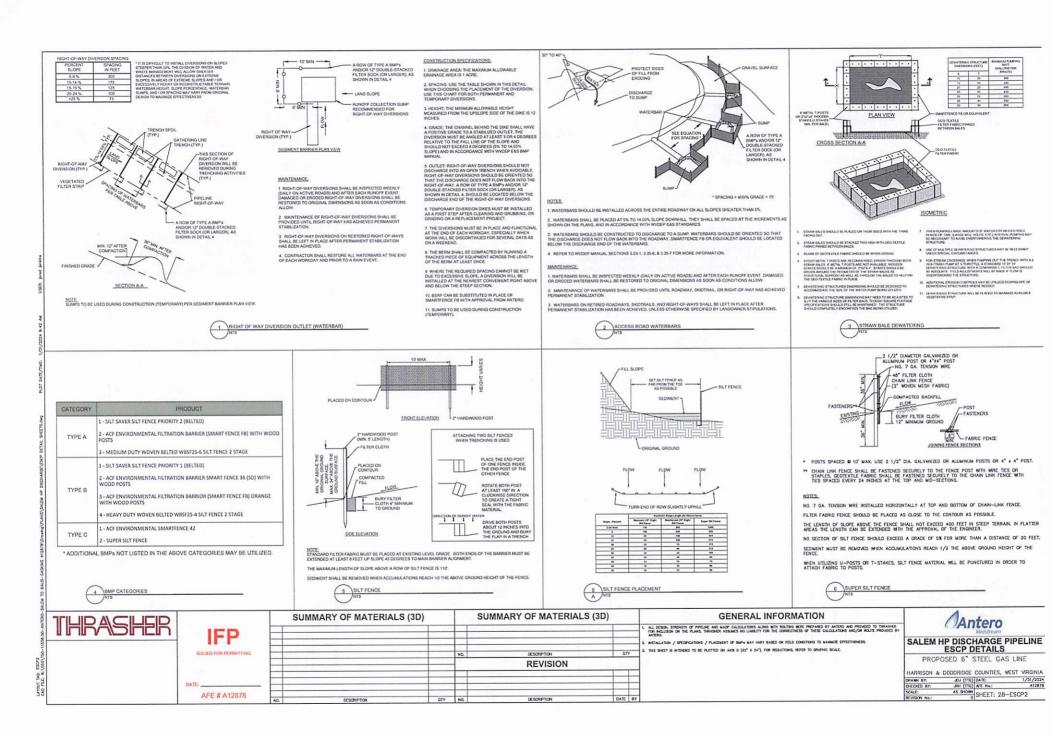
ALL DESIGN, STRENGTH OF PIPELINE AND MADE CALCULATIONS ALONG WITH ROUTING WORE PREFARED BY ANTERIO AND PROVIDED TO THRASHER FOR INCLUSION ON THE PLANS, THRASHER ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THESE CALCULATIONS AND/OR ROUTE PROVIDED B ANTERIO.

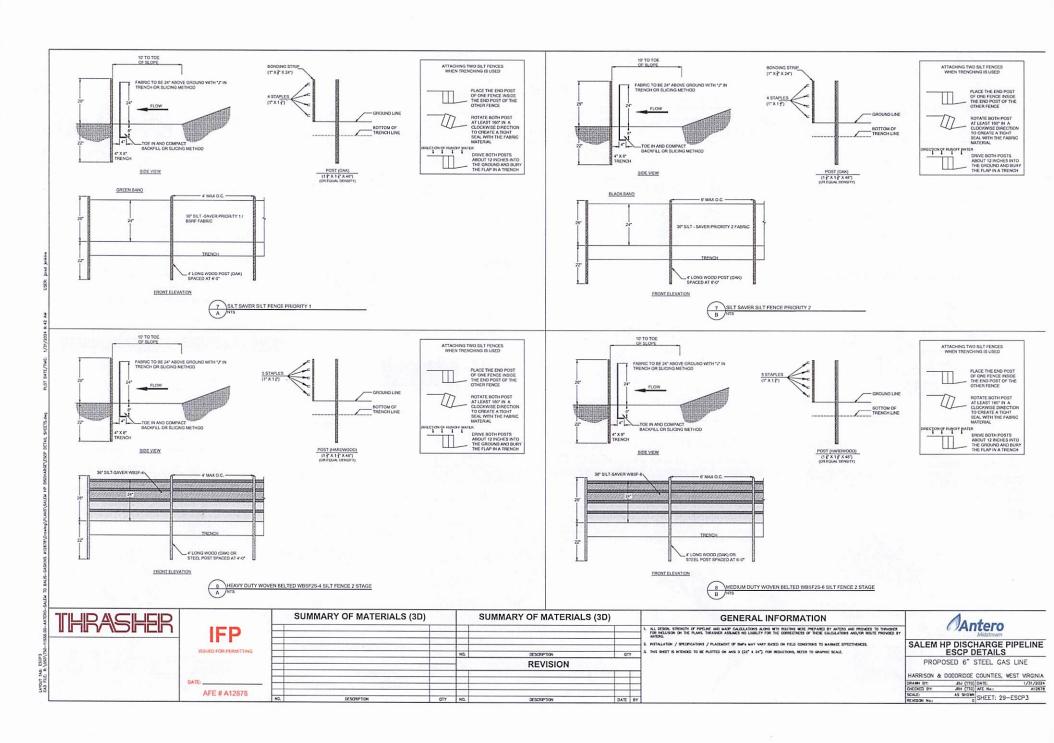
INSTALLATION / SPECIFICATIONS / PLACEMENT OF BUP'S HAY WARY BASED ON FIELD CONCITIONS TO MAKENET EFFECTIVENESS THIS SHEET IS INTENDED TO BE PLOTTED ON AND D (22" x 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

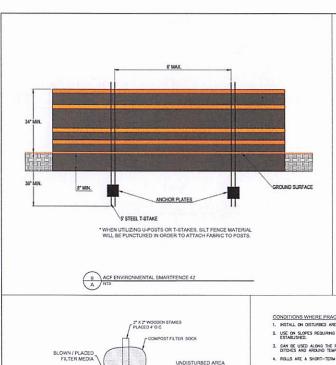
Antero

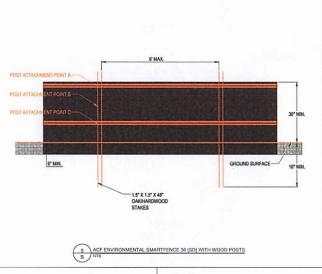
SALEM HP DISCHARGE PIPELINE ESCP DETAILS PROPOSED 6" STEEL GAS LINE

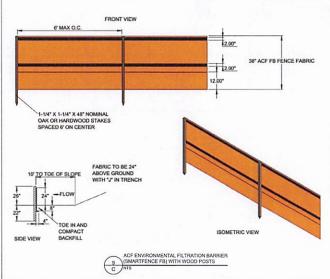
HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA DRAIN BY .DJ (TIG) DATE 1/31/2024
JRH (TIG) AFE No.1 A12878
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SHEET: 27—ESCP1

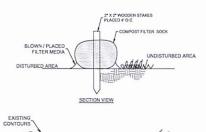


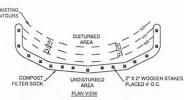












* STAKE SPACING MAY VARY DUE TO FIELD CONDITIONS AT TIME OF INSTALL.



- CONDITIONS WHERE PRACTICE APPLIES:

 1. INSTALL ON DISTURBED AREAS THAT REQUIRE IMMEDIATE EROSION PROTECTION.
- USE ON SLOPES REQUIRING STABILIZATION UNTIL PERMANENT VEGETATION CAN BE ESTABLISHED.
- CAN BE USED ALONG THE PERMETER OF THE PIPELINE, AS A CHECK DAW IN UNLINED DITCHES AND AROUND TEMPORARY STOOGPILES
- 4. ROLLS ARE A SHORT-TERM SOLUTION TO HELP ESTABLISH NATIVE VEGETATION

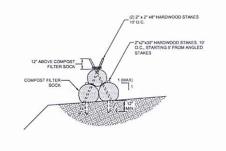
CONSTRUCTION SPECIFICATIONS:

- IT IS ORTICAL THAT SOCK IS INSTALLED PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE CONTOUR.
- 2. INSTALL STAKES AT EACH END OF THE SOCK, AND AT A MINIMUM OF 4-FOOT CENTERS ALONG THE ENTIRE LENGTH OF THE SOCK.
- IF REQUIRED, INSTALL PILOT HOLES FOR THE STAKES USING A STRAIGHT BAR TO DRIVE HOLES THROUGH THE SOOK AND INTO THE SOIL.
- AT A MINNUM, WOODEN STAKES SHOULD BE APPROXIMATELY 2 X 2 X 24 INCHES.
 3/8-INCH REBAR CAN ALSO BE USED FOR STAKES.
- STAKES SHOULD BE DRIVEN THROUGH THE MEDILE OF THE SOCK, LEAVING 2 TO 3 INCHES OF THE STAKE PROTRUDING ABOVE THE SOCK.

- MAINTENANCE:

 1. INSPECT SOOK AT LEAST ONCE A WEEK AND AFTER EACH RAIN EVENT GREATER THAN C.S. INCH.
- 2. REPAIR OR REPLACE SPLIT, TORN, RAVELING, OR SLUMPING SOCK.
- 3. REMOVE SEDIMENT ACCUMULATIONS WHEN EXCEEDING 1/3 THE HEIGHT BETWEEN THE TOP OF THE SOCK AND THE GROUND SURFACE.
- 4. REPAIR ANY RILLS OR GULLIES PROMPTLY.
- 5. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED

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19	16(6)	19:52	200 (96)	319-11/03	450 (149
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-6	40175	50-109	10 (12)	804	100-130
90	405	669	\$5:01%	85-1333	75.035





(10	COMPOST FILTER SOCK	







	SUMMARY OF MATERIALS (3	3D)		SUMMARY OF MATERIALS	(3D)	
			NO.	DESCRIPTION	0	TY
				REVISION		
						F
NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	DATE	BY

GENERAL INFORMATION

ALL DESIGN, STRONGTH OF PPELME AND WARP CALCULATIONS ALDING WITH HOLLING WHE FRETAMED BY ANTERO AND PROVIDED TO THRAGKER FOR HOLLINGHI ON THE FLAMS. THRAGKER ASSEMES NO LIMITLY FOR THE CONNECTIONS OF THESE CALCULATIONS AND/OR ROUTE PROVIDED BY ANTERIO.

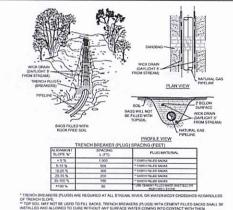
THE SHEET IS INTENDED TO BE PLOTTED ON ANS D (22" X 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.



SALEM HP DISCHARGE PIPELINE ESCP DETAILS PROPOSED 6" STEEL GAS LINE

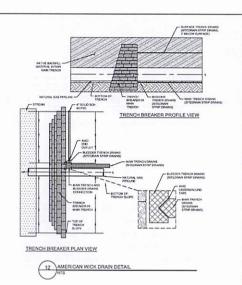
HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA

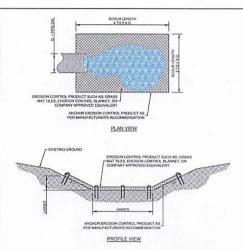
DJ (TTG) DATE 1/31,
AS 590WN SHEET: 30-ESCP4 1/31/2024 A12878



OF TREND IS, OPE. "TO SOLD TO FEEL SACKE, THENCH INFRANCES IP LUGS WITH CEMENT FILED SACKS SHALL BE NOT ALL DAND ALLOWED TO CURE WITHOUT ANY BURFACE WATER COMING INTO CONTACT WITH THEM. CONTRACTOR SHALL VEHINFY CEMENT HAS CURED AND HANCENED PROR TO REMOVING ANY BURFS AROUND THE TRUNCH BEHAVER IP LUGS AND.







NOTES:

1) PREPARE SOIL BEFORE INSTALLING EROSION CONTROL PRODUCTS. INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

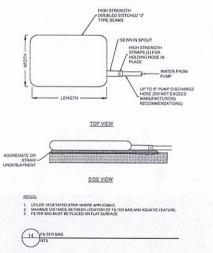
2) FOR CULVERT AND OUTFALL APPLICATIONS, SCOUR PROTECTION SHOULD EXTEND A MINIMUM WIDTH OF 3-4 TIMES THE PIPE DIAMETER AND A MINIMUM LENGTH OF 4-5 TIMES THE PIPE DIAMETER (SEE PLAN VIEW), WITH STEEPER CHANNEL GRADIENTS, THE LENGTH OF SCOUR PROTECTION MAY NEED TO BE EXTENDED.

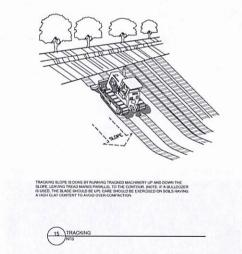
3) PLACE STAPLES/ANCHORS IN THE APPROPRIATE PATTERN. IN SOFT OR HIGHLY ERODIBLE SOILS, PERCUSSION EARTH ANCHORS MAY BE REQUIRED.

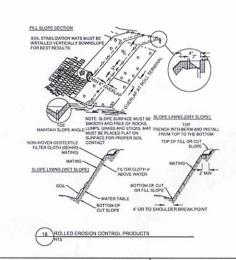
4) TRENCH PLUG DRAIN OUTFALL TO DISCHARGE FLUSH WITH FINAL GRADE ELEVATION OR NO MORE THAN 12" OF OVERHANG.

(SEE MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL INSTALLATION INSTRUCTIONS).

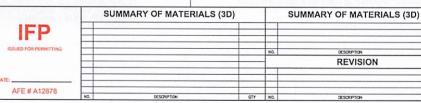
13 TRENCH PLUG DRAIN OUTFALL EROSION PROTECTION DETAIL











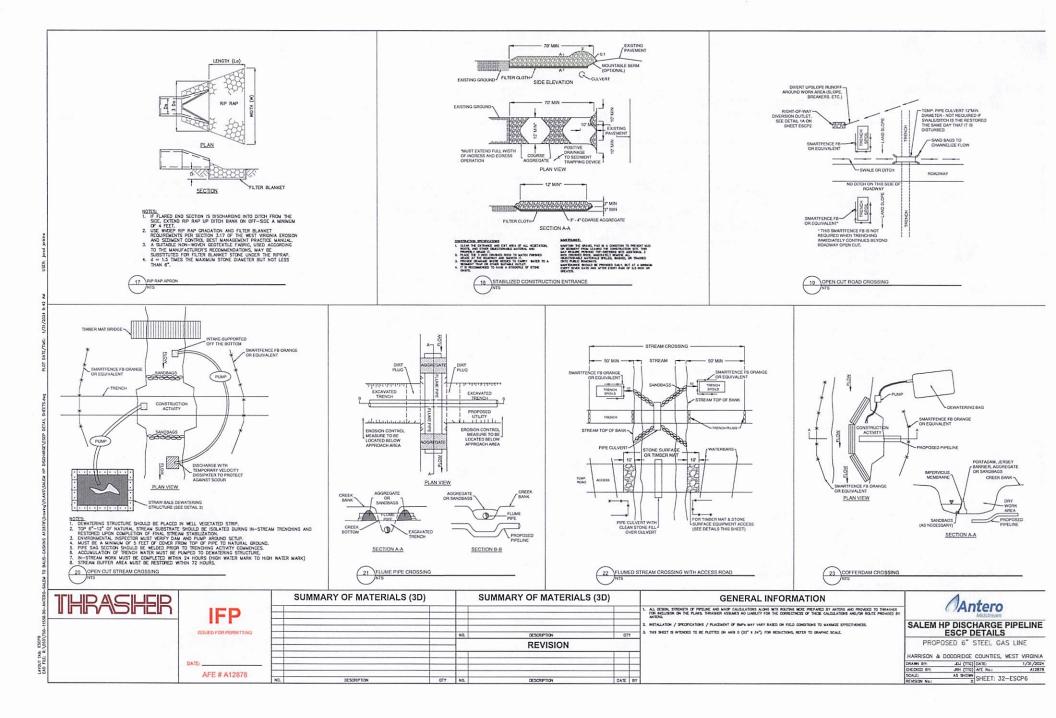
GENERAL INFORMATION ALL DESIGN, STRENGTH OF PPEIDE AND MADE CALGULATIONS ALONG WITH ROUTING WERE PREPARED BY ANTERO AND PROVIDED TO THRASHER FOR RELIGION ON THE PLANS, THRASHER ASSUMES NO LIMITATY FOR THE CORRECTIONS OF THESE CALGULATIONS AND/OR ROUTE PROVIDED BY ANTERO.

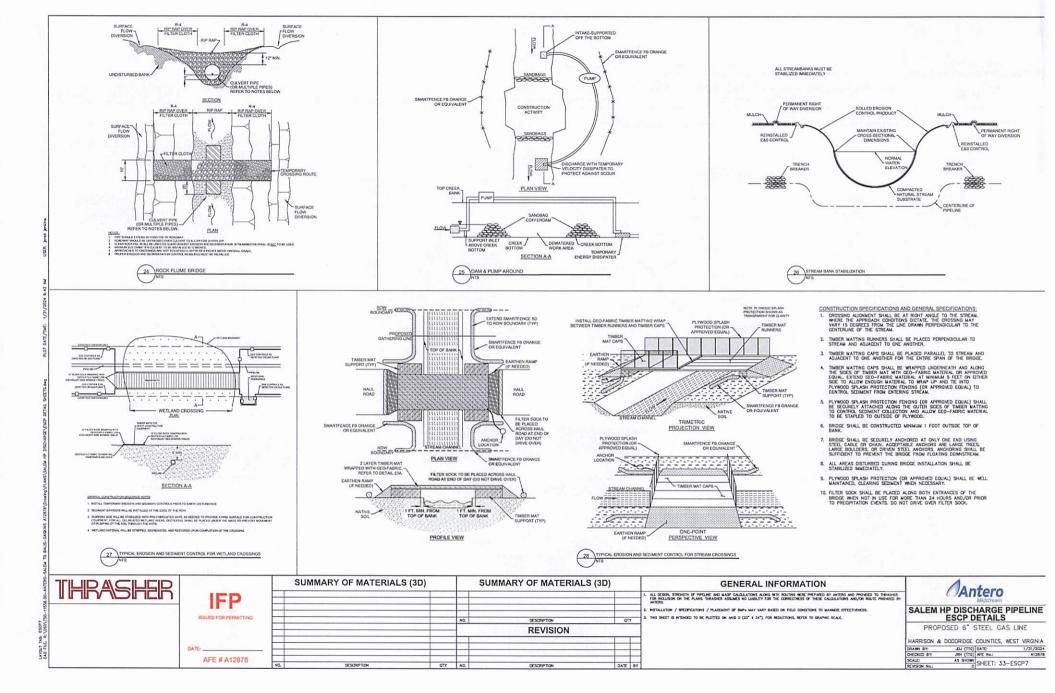
INSTALLATION / SPECIFICATIONS / PLACEMENT OF BMP4 MAY WARY BASED ON FIELD CONDITIONS TO MAKENZE EFFECTIVENESS. THIS SHEET IS INTENDED TO BE PLOTTED ON AND D (22" X 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

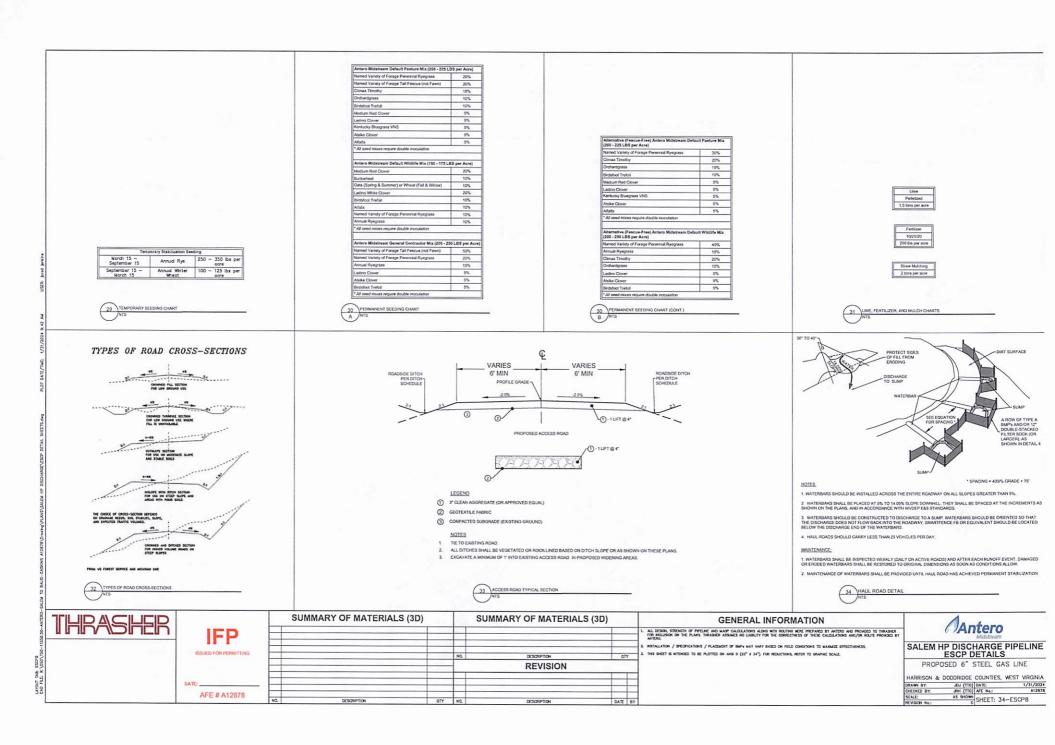
Antero SALEM HP DISCHARGE PIPELINE ESCP DETAILS

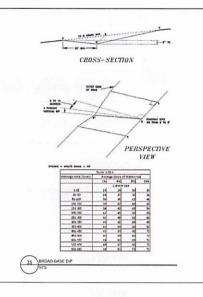
PROPOSED 6" STEEL GAS LINE

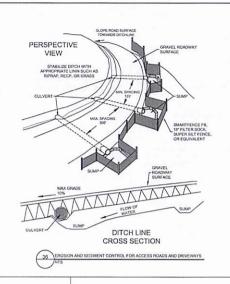
	& DODDRIDGE	COUNTIES,	WEST	VIRGINIA	
DRAWN BY: CHECKED BY: SCALE: REVISION No.:	DJ (TTO	DATE:		1/31/2024	
CHECKED BY:	JRH (TTO) AFE No.:		A12878	
SCALE: AS SHOWN		N CUPET. 7	SHEET: 31-ESCP5		
REVISION No.:		D SUFFI: 3	I-FOCE	.2	

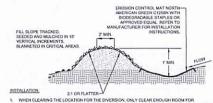












WHEN CLEARING THE LOCATION FOR THE DIVERSION, ORLY CLEAR ENOUGH ROOM FOR CONSTRUCTION AND MAINTENANCE EQUIPMENT ACCESS, DO NOT CLEAR MY ADDITIONAL AREA WHITE ALL ENDERSON CONTROL SERVICES AND EN PARAZO CONSTRUCTIONS AND ENDERSON CONTROL SERVICES AND EN PARAZO CONSIGNOT THEM PROPERLY RESTALL DIVERSION AND COMPACT AS SHOWN IN DETAIL PISURE POSITIVE DRAMAGE DURING CONSTRUCTION OF BEM.

CONSTRUCTION OF BERM.

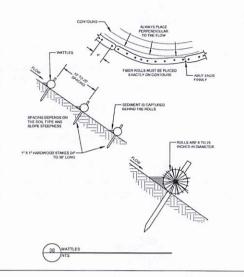
SCAREY, SEED MUICH AND TACK DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF BERM.
PISTAL EROSSON CONTRIOL MAT NORTH AMERICAN GREEN O'125N PER MANUFACTURER'S
RECOMMENDATIONS AND KEY INTO SIDES OF CHANNEL TO PREVENT WATER FROM UNDERMINING
OR DAMAZING CHANNEL LINER.

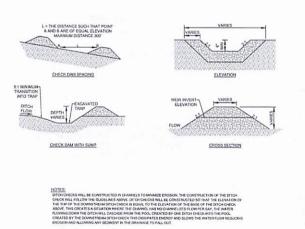
- TEMPORARY BERMS SHALL BE PLACED, MAINTAINED, AND ADJUSTED CONTINUOUSLY UNTIL 90% WERE TATIVE GROWTH IS ESTABLISHED ON THE EXTERIOR SCORES WITH PERMANENT STORM WERE THE TOTAL OF THE TOTAL

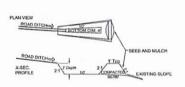
MAINTENANCE:

INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAWFALL IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE, CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS REMOVE THE RIGGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROLIND LEVEL AND APPROPRIATELY STABLIZE IT.







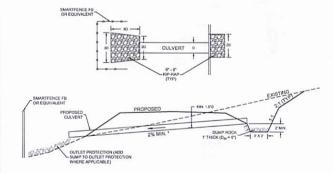


LEVEL SPREADER DETAIL N.T.S.

NOTE: TO BE PLACED AT THE ENDS OF DITCHES CALLING FOR LEVEL SPREADERS LEVEL SPREADERS WILL BE CUT INTO THE CONTOUR OF THE EXISTING SLOPE.

NOTES: LEVEL SPREADER TO BE CONSTRUCTED IN AREAS WHERE A CULVERT OR CHANNEL MUST EMPTY LIVEL SPRACER TO BE CONSTRUCTED IN AREAS WHERE A CLUVER'T OR CHANNEL MUST EMPTY ONTO GROUND WITH ON ASSOCIATE CONNECTION OF THE PURPOSE OF THE LIVEL SPREADER STO DESENATE INCIDENT AND SPREAD THE FLOW OUT OVER A SIGNETICANT AND OVERTHER CONTINUED AND ASSOCIATE OF THE CONTINUED AND ASSOCIATED ASSOCIA





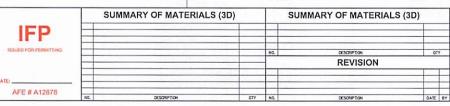
NOTES: 1. 2% MINIMUM SLOPE EXCEPT WHERE NOTED ON PLANS. • CULVERTS IN STREAMS SHALL BE LAID AT 0% AND COUNTERSUNK.

INLET AND OUTLET PROTECTION IS ESSENTIALLY GRAVELS AND/OR RIP RAP PLACED AT BOTH THE INLET AND OUTLET SIDES OF CULVERTS. THE GRAVELS WILL HELP TO SLOW THE FLOW OF WATER, AND DISSIPATE ENERGY. THIS WILL IN TURN DECREASE THE CHANCES OF EROSION AND ALSO ALLOW ANY SEDIMENT IN THE WATER TO SETTLE OUT.





39 ROCK CHECK DAM



GENERAL INFORMATION

ALL DESIGN, STRENGTH OF PIPELINE AND MADE CALCULATIONS ALONG WITH ROLLING WERE PREPARED BY ANTERO AND PROVIDED TO THRASHER FOR INCLUSION ON THE PLANS. THRASHER ASSAMES NO LIABILITY FOR THE CORRECTNESS OF THESE CALCULATIONS AND/OR ROLLIE PROVIDED BY MITTERS.

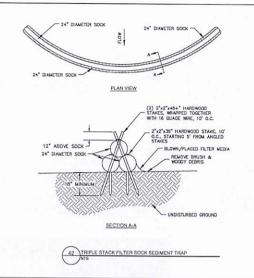
THIS SHEET IS INTENDED TO BE PLOTTED ON AHS D (22" x 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

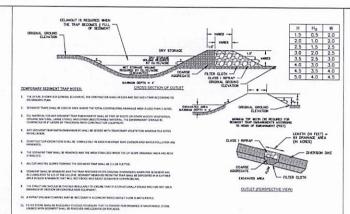


SALEM HP DISCHARGE PIPELINE **ESCP DETAILS**

PROPOSED 6" STEEL GAS LINE HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA

.DJ (TTG) DATE: 1/31
.RH (TTG) AFE No.: A
AS SHOWN
0 SHEET: 35-ESCP9





NOTICE:
TEMPORARY SEDIMENT THAPS ARE ESSENTIALLY SMALL SEDMENT PONDS. THEY GIVE THE WATER A PLACE TO
POOL, AND SLOW DOWN THIS REDUCES THE CHANCES OF ADDITIONAL EROSION WHILE ALLOWING ANY SEDMENT
IN THE WATER TO SETTLE OUT. THE OUTLET IS DESIGNED OUT OF GRAVELS OF DEFERENT DIMENSIONS WHICH
CREATES A FLEFAR SWELL.

TEMPORARY SEDIMENT TRAP

NOTES

ON MOST LOCATIONS ANTERO VILL ALSO CONSTRUCT EROSION AND SEDIMENT (ELS) CONTROLS

ANOVE AND BEYOND THE EAS CONTROLS LISTED ON THE PLAN SHEETS. THESE CONTROLS WILL BE

OUTSOCKED ON PHASE IT, HAVE IE, AND PHASE IS CONTROLS. THESE CONTROLS WILL BE

OUTSOCKED ON PHASE IT, HAVE IS AND PHASE IS CONTROLS. THESE CONTROLS WILL BE

AND THE PLAN SECH AS DOLLOWED AND PHASE CONTROLS. THE SHEET PLANS AND BELL PART OF WITH THE AND THE SHEET PLANS

AND BELL PART ON THE PLANS PHASE IS AND THE SHEET OF LOWER THE AND THE SHEET PLANS

CONSTRUCTION BELL RELEASE WHICH IS SHET OUT LISTED THEY OF CONSTRUCTION BEGINNING. THE

PHASE LIE. AND IS CONTROLS WILL BE CONSTRUCTED AS FOLLOWS:



PHASE I:

THIS IS ESSENTIALLY ORANGE SAFETY FENCE LIKE SHOWN ABOVE, THIS MEASURE IS PUT IN PLACE
TO LET CONTRACTORS KNOW THAT NO WORK IS TAKE PLACE BEYOND THIS POINT, THIS CONTROL
IS TYPECALLY UTLIZED WHEN THERE IS A WETLAND OR STREAM LOCATED IN THE AREA BUT NOT WITHIN APPROXIMATELY 100 FEET OF THE DISTURBANCE.





PHASE !!
THIS CONTROL CONSISTS OF TYPICAL SILT FENCE, SUPER SILT FENCE, OR FILTER SOXX, THIS CONTROL
WILL BE INSTALLED AS DESCRIBED IN THE PREVIOUS SECTIONS. THIS CONTROL WILL TYPICALLY SE
USED WHEN WETLANDS OR STREAMS ARE LOCATED WITHIN 100 FEET OF THE DISTURBED AREA.





PLASE III.

THIS CONTROL CONSISTS OF SUPER BLT FENCE WITH ORANGE CONSTRUCTION FENCE ACTIVID.

AS THE VISIBLE PORTION OF THE BANGER. THIS CONTROL IS USE TO PREVENT SOULS OR

GRAVELS FROM ENTERNO STERMO ON WITHLANDS DURING CONSTRUCTION. THE SUPER SIXT

FENCE CAN BE USED IN CONJUNCTION WITH OTHER ESS METHODS. THIS CONTROL IS USED IN

ARRAS WHERE STRANGES OR WITHLANDS ARE WITHEN APPROXIMATELY SO PETC OF THE DISTURBED AREA.

'NOTE THAT THE DISTANCES MENTIONED IN THE PHASE I, II, AND III CONTROLS ARE A GUIDELINE NOT A RILLE FOR THE DECISION OF WHEN AND WHERE TO USE THESE CONTROLS.



DEFINITIONS:

FILTER CLOTH - TYPICALLY TYPAR OR ANOTHER SUCH MATERIAL (USUALLY WOVEN) WHICH IS DESIGNED TO ALLOW WATER TO FLOW BUT RETAIN SEDIMENT.

AGGREGATE - TERM USED TO IDENTIFY ANY TYPE SOLID DENSE MATERIAL USED DURING CONSTRUCTION TYPICALLY GRAVELS, SANDS, AND STONES.

EMBANKMENT - A WALL OR BANK OF EARTH OR STONE.

CLASS 1 RIP RAP - TYPICAL RIP RAP WITH STONES OF A DIAMETER BETWEEN 8 AND 18 INCHES.

45	DEFINITIONS	
	NTS	DETAIL PROVIDED BY ANTERO MOSTREAN L



IFP ISSUED FOR PERMITTING

AFE # A12878

SUMMARY OF MATERIALS (3D) SUMMARY OF MATERIALS (3D) DESCRIPTION REVISION DESCRIPTION

GENERAL INFORMATION

ALL DESIGN, STRENGTH OF PIPELINE AND MADE CALCULATIONS ALONG WITH ROUTING MERE PREPARED BY ANTIFIC AND PROVIDED TO THRASHER FOR INCLUSION ON THE PLANS, THRASHER ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THESE CALCULATIONS AND/OH ROUTE PROVIDED BY ANTIFIC.

INSTALLATION / SPECIFICATIONS / PLACEMENT OF BMP4 MAY WARY BASED ON FIELD CONDITIONS TO MAXIMIZE EFFECTIVENESS.

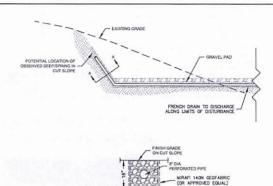
3. THIS SHEET IS INTENDED TO BE PLOTTED ON AND D (22" x 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

Antero

SALEM HP DISCHARGE PIPELINE ESCP DETAILS

PROPOSED 6" STEEL GAS LINE

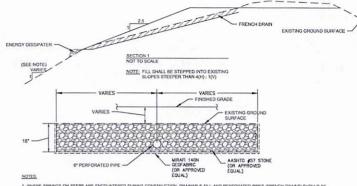
HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA DRAWN BY: CHECKED BY: SCALE: JDJ (TTG) DATE: JRH (TTG) AFE No.: SHEET: 36-ESCP10



(OR APP IF EVIDENCE OF A SEEPISPRING IN A CUT SLOPE IS OBSERVED, THE CONTRACTOR SHOULD INSTALL A FRENCH DRAIN PER DETAIL 36 ABOVE.

AASHTO #57 STONE

46 FRENCH DRAIN AT OBSERVED SEEP/SPRING IN CUT SLOPES

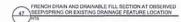


WHERE SPRINGS OR SEEPS ARE ENCOUNTERED DURING CONSTRUCTION, DRAINABLE FILL AND PERFORATED PIPES (FRENCH DRAINS) SHOULD BE INSTALLED TO PROVIDE A DRAINAGE PATH FOR SEEPAGE FROM THE EXISTING SLOPE.

2. THE FIRMON DRAIN SHOULD CONSIST OF AN EXPLICAMENT PREFORANCE PRE-SURFRANCE OF COMMINGEREL. RESTALLED IN AN IS NOT DEATH TREADY AND INTERPOLATIONS THE TREADY BROOKS THE STEETING PROPERTY FROM THE ORDINGER SELL AS ACCURATE THE TREADY BROOKS THE ALL DISEASE WITH A JUST OF COPPARING SHOULD AS MARKET HOST, OR APPROVED EQUAL, WITH SUFFICIENT OVERAP TO PROVIDE AN ENVELOP ANOUND THE PIPE TRENDS IT OF PREVENT THE SHORTMOND FOR FEEST ON THE PREVENT THE SHORTMOND FOR FEEST SHOULD BE RECOVERED.

3. THE FRENCH DRAIN SHOULD DAYLIGHT BEYOND THE TOE OR SIDE OF THE SLOPE AND EXTEND UP TO THE CREST OF THE SLOPE TO FACULTATE DRAINING THROUGH THE FILL SECTION. THE AS BUILT WIDTH OF THE FRENCH DRAIN SHOULD BE A FUNCTION OF THE WIDTH OF THE SPRING, SEEP OR DRAINING FIRSTER OBSERVED DURING CONSTRUCTION.

4.THE FRENCH DRAIN SHOULD BE CONSTRUCTED TO SPAN THE ENTIRE WIDTH OF THE OBSERVED SPRING OR SEEP.





NOTES

A BONDED FIBER MATRIX (BMF) IS AN EFFECTIVE METHOD OF STABLIZING STEEP SLOPES WHEN USED PROPERLY. BMFs MAKE USE OF A CROSSLINEOD HYDROCOLLOD TACKFIER TO BOND HERBALLY PROCESSED WOOD ERERS. APPLICATION RATES WAY. ACCORDING TO SITE CONDITIONS FOR SLOPES UP TO SHITV THE 8PM SHOULD BE APPLIED AT A PARTE OF JODG LEWICKE. STEEPER SLOPES MAT NEED AS MOUNT AS 4000 BARKET.

BFIM SHOULD ONLY BE USED WHEN NO RAIN IS FORECASTED FOR AT LEAST 48 HOURS FOLLOWING THE APPLICATION. THIS IS TO ALLOW THE TACKIFIER SUFFICIENT TIME TO QUIE PROPERLY, ONCE PROPERLY APPLIE, A BPIM IS TYPICALLY DISK SEFECTIVE IN PREVENTING ACCELERATED EROSION. BPIM SHOULD NOT BE APPLIED BETWEEN SEPTEMBER 30 AND APPL 1.

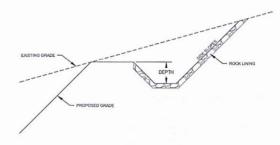
A POLYMER STABILIZED FIBER MATRIX POSTMI CAN ALSO BE AN EFFECTIVE METHOD OF STABILIZING STEEP SLOPES WHEN USED PROPERTY. PSYM MANGE USE OF A LIPICATE SOLD STABILIZING TACOPIER THAT WORKS DRECTLY ON SOLD IN MANTAN SOL STRUCTURE. MANTAN PORE SPACE CAPACITY AND FLOCULATE DISCODED SEDMENT THAT VILL SIGNEFICANTLY REDUCE RUNOFF TURBOTTY. PROPERTY APPLICE, A PSYM MAY SE AS MICHAS MY SEPFECTIVE.

Typical Maximum Rainfa	Polymer		ed Fiber	Matrix	Applicati	on Rates	
SLOPE	6:1	5:1	4:1	3:1	2:1	1.5:1	1:1
Soil Stabilizer (gals/acre)	4	5	6	7	8	9	10
Fiber (Ib/acre)	1,500	1,500	1,500	1,800	2,000	2,500	3,000

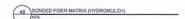
Maximum Rainfe and for Site Win			
SLOPE	£5:1	4:1	≥3:1
Soil Stabilizer (gals/acre)	6	8	10
Fiber (lb/acre)	2,000	2,500	3,000

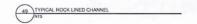
UNIXER BOLLED BLANKETS. THERE IS NO NEED TO SMOOTH THE SLOPE PRIGR TO APPLICATION OF INFORMALICALLY APPLIED BLANKETS IN FACT SOME BOUGHENING OF THE SUPFACE, EITHER MATURAL CHI RECONNICALLY BOULED, IS PRESENABLE FONDEVER. LARGE BOOKS, THOSE 3 POCKES, AND EXISTING SHALLS SHOULD BE INDUSTED FROM TO APPLICATION. TRACKING OR NOCES, AND EXISTING SHALLS SHOULD BE INFORMED FROM TO APPLICATION. TRACKING OR SECOND FROM THE SHOULD SHALL SHOULD BE APPLICATION. SHOULD BE APPLICATION OF SHALLS SHOULD BE APPLICATION. MISSING SHALL SHALL SHOULD BE APPLICATION. MISSING SHALL SHALL

ITEDIALISALLY APPLED BLAVKETS AVE TYPOALLY APPLED IN TWO \$7406S, INLESS CHECKER, APPLED IN TWO \$7406S, INLESS CHECKER, APPLED IN APPLED APPLED



DRAINAGE CHANNEL DIMENSIONS AND LINING WILL BE DETERMINED BY ENGINEER AS APPLICABLE.





THRASHER



AFE # A12878

	SUMMARY OF MATERIALS (3D)	1		SUMMARY OF MATERIALS (3D)		GENERAL INFORMATION
							1. ALL DESON, SENDICITY OF PELLER AND MADE CALCULATIONS ALONG WITH RELITING WITH PREPARED ST ANTISON OF THE PARKS TRANSPOR ASSESSED AS LIBERATE FOR THE CONDICIONS OF THESE CALCULATIONS AND THE CONTINUES OF THE CALCULATIONS AND THE CONTINUES TO MADE CALCULATIONS AND THE CONTINUES TO MADE CALCULATIONS AND THE SENDICED TO BE CONTINUES TO MADE CALCULATIONS AND THE SENDICED TO BE CONTINUED AND THE CALCULATION AND THE SENDICED TO BE CALCULATED AND THE CALCULATIONS.
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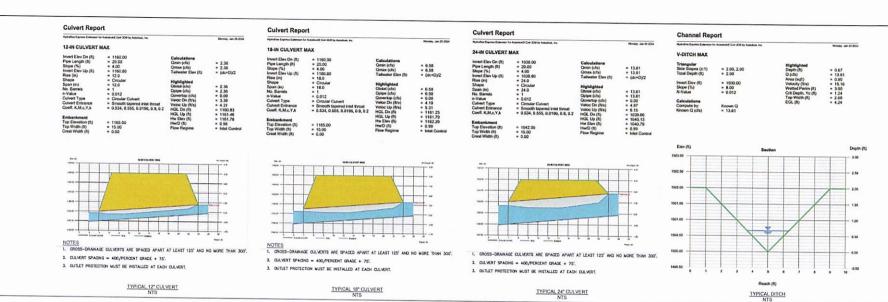
 ALL DESON, STRENGTH OF PPELINE AND MADE CALCULATIONS ALDER WITH ROLLING WITE FRETAVED BY ANTITIO AND PROVIDED TO THRASHED AND REQUISION ON THE FLAMS. THRASHER ASSAMES NO LIABILITY FOR THE CORRECTNESS OF THESE CALCULATIONS AND/OR ROLLIE PROVIDED BY ANTIRE. 2. INSTALLATION / SPECIFICATIONS / PLACEMENT OF BINPS MAY VARY BASED ON FIELD CONDITIONS TO MAXIMIZE EFFECTIVENESS.

SALEM HP DISCHARGE PIPELINE ESCP DETAILS

PROPOSED 6" STEEL GAS LINE

Antero

HARRISON & DODDRIDGE COUNTIES, WEST VIRGINIA DRAWN BY: CHECKED BY: JOJ (TTG) DATE: 1/31//
JRH (TTG) AFE No.: AT:
AS SHOWN
0 SHEET: 37—ESCP11 1/31/2024 A12878







	S	UMMARY OF MATERIALS	3D)		SUMMARY OF MATERIALS (3)	0)	_
	_			NO.	DESCRIPTION	QI	Y
					REVISION		
_							F
				-			
	NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	DATE	8

GENERAL INFORMATION

 ALL DESIGN, STRENGTH OF PIPELINE AND MADE CALGLATIONS ALONG WITH ROLLING WERE PREPARED BY ANTERO AND PROJECT OT THRASHER FOR INCLUSION ON THE PLANS, THRASHER ASSLARS NO LIABILITY FOR THE CORRECTIONS OF THESE CALGULATIONS AND/OR ROLLIN PROVIDED BY MIXTRO.

2. CALVERT AND DITCH DESIGNS AND BASED ON AVAILABLE MAPPING AND ASSUMED PROPOSED ROAD SUPFACE ELEVATIONS.

3. THE SHEET IS INTERED TO BE FACILIED ON AND D (22" x 34"), FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

Antero

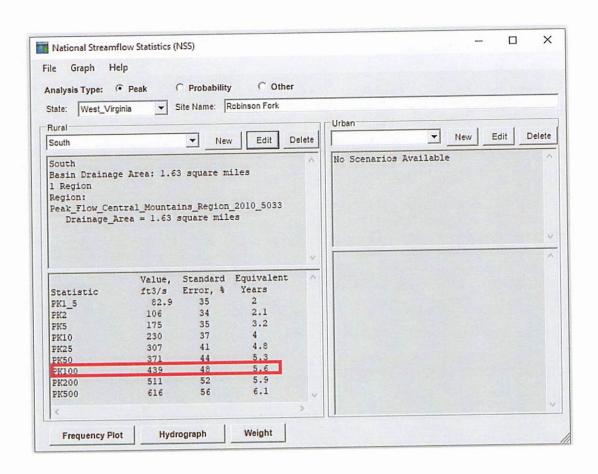
Midstream

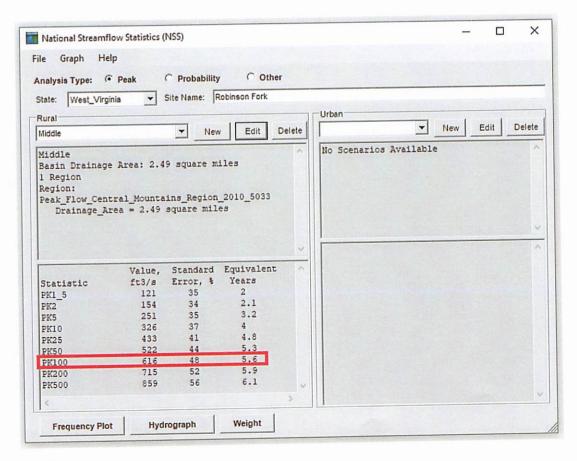
SALEM HP DISCHARGE PIPELINE
CULVERT & DITCH REPORTS

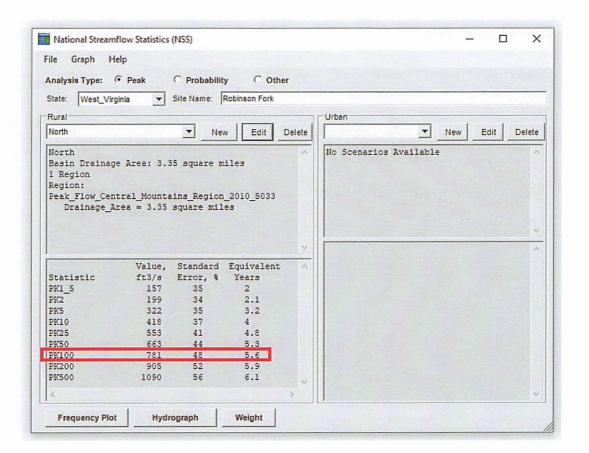
PROPOSED 6" STEEL GAS LINE



APPENDIX C National Streamflow Statistics – Drainage Area







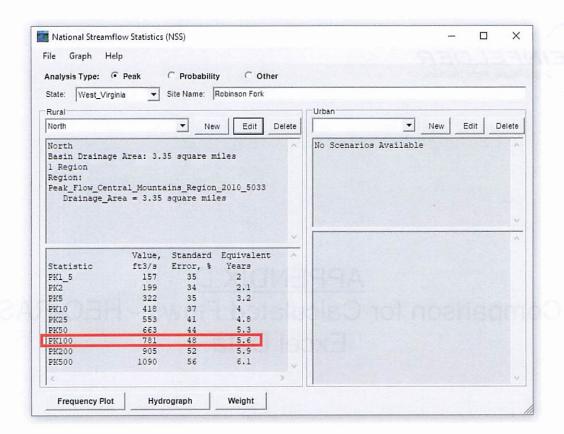


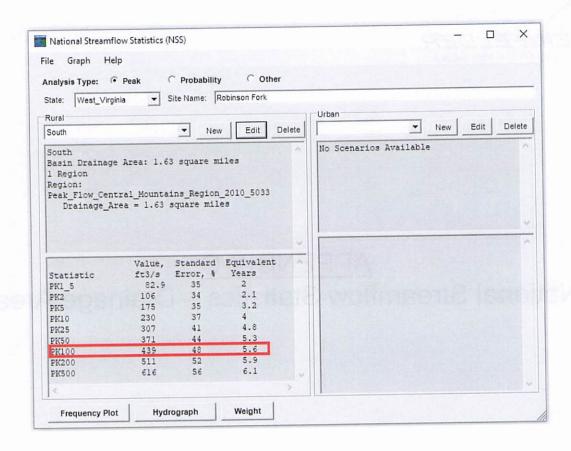
ATTACHMENT D PERMITTING & COORDINATION TABLE

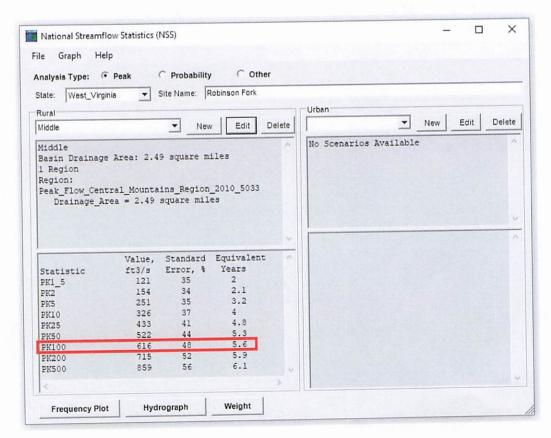
HEC-RAS		River: Ro	binson Fork		Profile: PF	1	
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	
				(cfs)	(ft)	(ft)	
Reach 1	5965	PF 1	Pre	439	929	930.17	
Reach 1	5965	PF 1	Post	439	929	930.17	
Reach 1	5623	PF 1	Pre	439	925	926.19	
Reach 1	5623	PF 1	Post	439	925	926.19	
Reach 1	5123	PF 1	Pre	439	919	920.41	
Reach 1	5123	PF 1	Post	439	919	920.41	
Reach 1	4568	PF 1	Pre	439	914	916.51	
Reach 1	4568	PF 1	Post	439	914	916.51	
Reach 1	3746	PF 1	Pre	616	907	908.49	
Reach 1	3746	PF 1	Post	616	907	908.49	
Reach 1	3099	PF 1	Pre	616	901	903.53	
Reach 1	3099	PF 1	Post	616	901	903.53	
Reach 1	2409	PF 1	Pre	616	896	897.51	
Reach 1	2409	-	Post	616	896	897.51	
Reach 1	2064	PF 1	Pre	616	894	895.84	
Reach 1	2064	PF 1	Post	616	894	896.71	
Reach 1	2014			Dam & ma	tting		
Reach 1	1963	PF 1	Pre	781	894	895.51	
Reach 1	1963	PF 1	Post	781	894	895.51	
Reach 1	1463	PF 1	Pre	781	890	891.63	
Reach 1	1463	PF 1	Post	781	890	891.63	
Reach 1	945	PF 1	Pre	781	886	888.77	
Reach 1		PF 1	Post	781	886	888.77	
Reach 1	520	PF 1	Pre	781	. 885	887.19	
Reach 1		PF 1	Post	781			
Reach 1	111	PF 1	Pre	781	. 881	883.61	
Reach 1		PF 1	Post	781			



APPENDIX D Comparison for Calculated Flows - HEC-RAS Excel Data









APPENDIX C National Streamflow Statistics – Drainage Area

Permitting & Coordination Table

Permitting Agency	Permit/Coordination Required	Submitted	Received (Anticipated)	Status
USACE1 -	NWP 12	1/26/24	(3/11/24)	PCN Required
	Mitigation Plan	Not Applicable	Not Applicable	Not Required
USFWS ²	Threatened & Endangered Species (Section 7 Coordination)	Habitat Assessment and Conservation Plan, Official Species List, and Determination Keys were Included in Attachment E of NWP Application for USACE to Initiate Section 7 (SLOPES) with USFWS.		Required
WVSHPO ³	Section 106 Coordination	Will be Submitted to USACE to Initiate Section 106 Consultation with WVSHPO.		Required
	Phase I & Architectural Survey			
WVDNR-OLS4	Stream Activity Application	1/24/24	(2/23/24)	Pending
WVDNR- WRS ⁵	Threatened & Endangered State Species	11/15/23	12/18/23	Approved
	Spawning Waiver	To Be Determined	To Be Determined	To Be Determined
County Floodplain	Harrison County Floodplain Application	To Be Submitted	To Be Submitted	To Be Submitted
	Doddridge County Floodplain Application	2/1/24	(3/2/24)	Pending
WVDEP ⁶	401 WQC Program Notification	1/26/24	1/29/24	Approved
	NPDES ⁷ Permit	Not Applicable	Not Applicable	Not Required
	Construction Stormwater General Permit	To Be Submitted	To Be Submitted	To Be Submitted
WVDOH8	Utility Permit	To Be Submitted	To Be Submitted	To Be Submitted

- United States Army Corps of Engineers 1
- United States Fish and Wildlife Service
- 2 West Virginia Division of Culture and History, State Historic Preservation Office
- West Virginia Division of Natural Resources Office of Land and Stream
- West Virginia Division of Natural Resources Wildlife Resources Section
- West Virginia Department of Environmental Protection
- National Pollutant Discharge Elimination System
- West Virginia Division of Highways

GEidel@doddridgecountywv.gov

From: GEidel@doddridgecountywv.gov Sent:

Thursday, February 1, 2024 8:28 AM

'Matthew Albright' To:

RE: Antero Midstream: Salem HP Discharge - Doddridge County Floodplain Application Subject:

Matt,

Thank you for sending this over, I will get on it and have it on the commission meeting agenda for next Tuesday. When the other permits come in, we will need copies. Those that are required need to be in before a floodplain permit can be issued. As always if you have any question or need anything please let me know.

George

From: Matthew Albright < MAlbright@kleinfelder.com>

Sent: Thursday, February 1, 2024 7:38 AM

To: George Eidel <GEidel@doddridgecountywv.gov> <GEidel@doddridgecountywv.gov>

Cc: Anthony J. Ludovici (aludovici@anteroresources.com) <aludovici@anteroresources.com>; Daniel Bulian

(dbulian@anteroresources.com) < dbulian@anteroresources.com>

Subject: Antero Midstream: Salem HP Discharge - Doddridge County Floodplain Application

Hi George,

On behalf of Antero Midstream (Antero), Kleinfelder, Inc. is submitting a floodplain application for the proposed Salem HP Discharge (Pipeline). The floodplain application can be found at the below link, which indicates that the proposed Pipeline will cross a regulated floodplain within Doddridge County.

Today we will be mailing (via Fed-Ex) a hard copy of this application to your office along with the permit fee. Can you please put this application on the agenda for next week's commission meeting?

Please address any questions or comments regarding this correspondence to Anthony Ludovici of Antero. He is cc'd on the email and his contact information is provided below.

Anthony Ludovici Environmental Specialist II Antero Midstream 535 White Oaks Boulevard Bridgeport, WV 26330 (304) 627-9120 aludovici@anteroresources.com

1. 20240201_Salem HP Discharge_Doddridge Co_Floodplain App-Final.pdf (40.57 MB) in Antero https://kleinfelderupstream.filegenius.com/downloadPublic/zjepc4345q436vh/bj2o1z935h8ptou

This link will expire on 05/01/24 at 08:22 am EDT

Thanks,

Matt Albright

Project Manager 51 Dutilh Rd., Suite 240 Cranberry Township, PA 16066 m | 609.947.5296



The Herald Record LLC 177 MAIN STREET WEST UNION, West Virginia 26456 **United States**

> Phone: 304-873-1600 Fax: 304-666-1017 Mobile: 304-266-2247 TheHeraldRecord.com

Bill to

Doddridge County OFFICE OF EMERGENCY MANAGEMENT

101 Church Street

West Union, West-Virginia 26456

United States

Invoice Number:

4328

Invoice Date:

February 16, 2024

Payment Due:

February 16, 2024

Amount Due (USD):

\$77.74

13-11-2

Class il -- Floodplain Permit #644

Run dates -- 2/7/24 -- 2/14/24

Class II Floodplain Permit # 645

Run dates: 2/7/24 -- 2/14/24

1

\$38.87

\$38.87

\$38.87

\$38.87

Total:

\$77.74

Amount Due (USD):

\$77.74

Doddridge County Floodplain Permits (Week of February 25, 2024)

Please take notice that on the (1st) of February), 2024, (Antero Midstream) filed an application for a Floodplain Permit (#24-645) to develop land located at or about (2424 Ronto 23 North); Coordinates: 39,34243 - 80.577049. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance with WV Code Chapter 29B Freedom of Information, Article I Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (February 6,2024) (20 celendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suits #3, West Union, WV 26456. This project is for a new 6 inch high pressure pipelina

George Eidel,CFM, OEM Doddridge County Floodplain Manager

STATE of WEST VIRGINIA: COUNTY OF DODDRIDGE, TO WIT:

I, <u>Tamela B. Beamer</u>, Editor of THE HER-ALD RECORD, a certified weekly newspaper published regularly in Doddridge County, West Virginia, Do Hereby Certify Upon Oath that the accompanying Legal Notice entitled:

Doddridge County Floodplain Permit Application #24-645

was published in said paper for 2 successive weeks beginning with the issue of 02/07/, 2024 and ending with the issue of 2/14/2024 that contains 193 word space at .115 cents per word and amounts to the sum of \$28.98 FOR THE FIRST PUBLICATION.

SECOND PUBLICATION IS 75% OF THE FIRST PUBLICATION and each other publication thereafter \$21.73 for the TOTAL OF: \$50.71

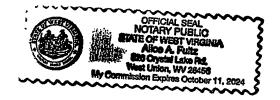
Editor

SWORN TO AND SUBSCRIBED BEFORE

ME THIS THE 14th day of February 2024.

Notary Public

My Commission Expires: Actaber 11, 2024



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Article Addressed to

MINISTER

Waylon & Quinn L. Miller 138 Cascara Road Salem, WV 26426



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 Addressee

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Doddridge County Office of Emergency Management/Floodplain Manager 101 Church Street, Suite 102 West Union, WV 26456





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Waylon & Quinn L. Miller 138 Cascara Road Salem, WW 26426

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UNC BC: 26456119427 *1171-06165-01-43

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Ezra G. & Artice Richards 2018 WV Rt. 23 N Salem, WV 26426

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Trustees of M. E. Church 242 WV Rt. 23 N Salem, WV 26426



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- Agent

 Addressee

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Trustees of M. E. Church 2424 WV Rt. 23 N Salem, WV 26426

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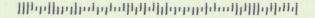


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Dustin Underwood 1434 WV Rt. 23N Sale n, WV 26426



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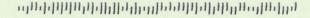


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Lisa R. Wilt 2463 WV Rt. 23 N Salem, WV 26426



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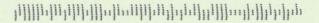
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