



Floodplain Development Permit

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: #21-594

Date Approved: May 10, 2021

Expires: May 10, 2022

Issued to: Mountain Valley Pipeline

POC: Matt Hoover

Company Address: 2200 Energy Drive, 2nd Floor Canonsburg, PA 15317

Project Address: Big Isaac Road at Meathouse Fork Road

Firm: 54017C0260C

Lat/Long: 39.201156N, -80.553387W

Purpose of Development: Permit Renewal (#19-562)

Issued by: George C. Eidel, CFM, OEM Director/Doddridge County FPM (or designee)

Date: May 10, 2021

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.2631, or via email at
doddridgecountyfpm@gmail.com
118 East Court Street; West Union, WV 26456

MVP, LLC
PO BOX 299
CANONSBURG, PA 15317

COPY

COPY

DODDRIDGE COUNTY COMMISSION
DODDRIDGE CITY OFF OF EM MGMT
C/O GEORGE EIDEL
SUITE 102
101 CHURCH ST.
WEST UNION, WV 26456-1194

2209 0453-5-7-MAAD
PAGE: 1

APR 5 20 10:00 AM



COPY

COPY

PAYMENT SUMMARY

VENDOR NO: 1055847
VOUCHER NO: 0000005716

VOUCHER DATE: 03/23/21

REF. DOC.	REFERENCE NUMBER	REF. DATE	DOCUMENT AMOUNT	DISCOUNT/ADJ AMOUNT	NET AMOUNT
SELLER INVCE	CKRQST031221EMY003 156939 PERMIT RENEWAL	03/10/21	1,620.00	0.00	1,620.00
TOTALS:			1,620.00	0.00	1,620.00

FP# 21-594

COPY

(Detach Here)

MVP, LLC
PO BOX 299
CANONSBURG, PA 15317

COPY

COPY

CHECK DATE
03/23/2021

CHECK NUMBER
0000005716

PAY...ONE THOUSAND SIX HUNDRED TWENTY DOLLARS 00 CENTS

TO THE ORDER OF:

DODDRIDGE COUNTY COMMISSION
DODDRIDGE CITY OFF OF EM MGMT
C/O GEORGE EIDEL
SUITE 102
101 CHURCH ST.
WEST UNION, WV 26456-1194

\$*****1,620.00

Janice M-Brenner

THE BANK OF NEW YORK MELLON
PITTSBURGH, PENNSYLVANIA

COPY COPY COPY

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FLOODPLAIN PERMIT #21-594

Mountain Valley Pipeline Big Isacc Rd @ Meathouse Fork Rd. Permit Renewal 39.201156, -80.553387

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>	4/5/2021	
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND & STREAM (OLS)</i>		
<i>WVDOH</i>		
<i>Elevation Certificate</i>		
<i>DATE OF COMMISSION READING</i>	4/20/2021	
<i>DATE AVAILABLE TO BE GRANTED</i>	5/10/2021	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		



Doddridge County Floodplain Permits

(Week of April 12, 2021)

Please take notice that on the (5th) of (April), 2021, (Mountain Valley Pipeline) filed an application for a Floodplain Permit (#21-594) to develop land located at or about (Big Isaac Rd. at Meathouse Fork Rd.);

Coordinates: 39.201154, -80.553387. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to 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 (May 10, 2021) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. **This project is for the renewal of the Mountain Valley Pipeline**

A handwritten signature in black ink, appearing to read "George C. Eidel".

GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager



Engineers and Environmental Consultants

7012 MacCorkle Avenue, SE, Charleston, WV 25304 - (304) 342-1400 • FAX (304) 343-9031; www.potesta.com

March 30, 2021

Mr. George Eidel
Doddridge County Floodplain Coordinator
Doddridge County Commission
118 East Court Street
West Union, West Virginia 26456

APR 01 2:30PM

RE: Floodplain Permit Application
Mountain Valley Pipeline, LLC (MVP)
Doddridge County, West Virginia
POTESTA Project No. 0101-16-0259-008C

Dear Mr. Eidel:

Potesta & Associates, Inc. (POTESTA) is pleased to submit this cover letter with the associated Floodplain Development Permit Application for the proposed Mountain Valley Pipeline (MVP) Project. MVP spans from northwestern West Virginia to southern Virginia, with approximately 196 miles in West Virginia and 5 miles being located within Doddridge County.

One floodplain crossing is located in Doddridge County with approximately 250 linear feet of pipeline construction at Station 1837+00. Temporary aboveground construction within floodplain limits include additional temporary work space (ATWS) utilized for stream crossing support, access roads including stone construction entrances, timber mats, and various erosion and sediment control devices (compost filter sock (CFS), silt fence, super silt fence, and erosion matting). Permanent aboveground structures associated with crossings within the floodplain limits will be one service pole associated with the ground bed rectifier systems and mainline valve sites at linear Station 1837+00. It should be noted that the mainline valve site will be placed at the current ground elevation without increasing the current grade. Additionally, construction of permanent roads, temporary roads, or maintenance of existing roads will occur within the floodplain limits. The one crossing is located within the FEMA Flood Zone AE, which is the regulatory floodplain associated with the Base Flood (1 percent annual chance flood event), commonly referred to as the 100-year floodplain, and indicates that the limits of the floodplain are determined by detailed methods.

Included within this letter are the following documents: the permit application, directions to the sites, relative construction drawings, and details of temporary or permanent structures within the floodplain limits.

POTESTA & ASSOCIATES, INC.

Charleston, West Virginia • Morgantown, West Virginia • Winchester, Virginia

Mr. George Eidel
March 30, 2021
Page 2

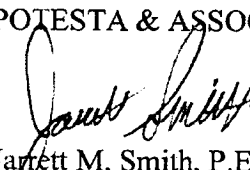
Below is an expanded list of each crossing and its associated temporary and permanent construction activities.

Page Number	Mile Post	Stationing	Temporary Impacts	Permanent Impacts
2.52	34.8	1837+00 to 1839+50	Timber Mat, Stone Construction Entrance, SSF, ATWS	Ground Bed Rectifier, Access Road, Mainline Valve Site

If you have any questions, please feel free to contact me at (304) 342-1400 or jmsmith@potesta.com or Matt Hoover (MVP) at (724) 873-3009 or mhoover@equitransmidstream.com.

Sincerely,

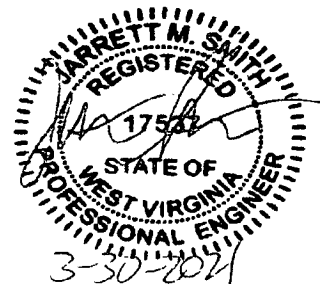
POTESTA & ASSOCIATES, INC.


Jarrett M. Smith, P.E.
Senior Engineer

JMS:JWB/clr

Enclosures

c: Mr. Matt Hoover – MVP (via email)





Permit#

21-594

Project Name: Mountain Valley Pipeline

Mountain Valley

Permittees Name: Pipeline, LLC

03/31/21 2:08PM

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. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. 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

Robert J. [Signature]

DATE 03/31/2021

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Mountain Valley Pipeline, LLC		
Corporate Mailing Address: 2200 Energy Drive, 2nd Floor		
City: Canonsburg	State: PA	Zip: 15317
Corporate Point of Contact (POC): Matt Hoover		
Corporate POC Title: Senior Environmental Coordinator		
Corporate POC Primary Phone: (724) 873-3009		
Corporate POC Primary Email: mhoover@equitransmidstream.com		
Corporate FEIN: 25-0754685	Corporate DUNS: N/A	
Corporate Website: N/A		
Local Mailing Address: N/A		
City: N/A	State: N/A	Zip: N/A
Local Project Manager (PM): Same as Point of Contact		
Local PM Primary Phone: Same as Point of Contact		
Local PM Secondary Phone: Same as Point of Contact		
Local PM Primary Email: Same as Point of Contact		
Person Filing Application: Jordan Beard		
Applicant Title: Engineer		
Applicant Primary Phone: (304) 342-1400		
Applicant Secondary Phone: N/A		
Applicant Primary Email: jwbeard@potesta.com		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

<u>ACTIVITY</u>	<u>STRUCTURAL TYPE</u>
<input type="checkbox"/> New Structure	<input type="checkbox"/> Residential (1 – 4 Family)
<input type="checkbox"/> Addition	<input type="checkbox"/> Residential (more than 4 Family)
<input type="checkbox"/> Alteration	<input type="checkbox"/> Non-residential (floodproofing)
<input type="checkbox"/> Relocation	<input type="checkbox"/> Combined Use (res. & com.)
<input type="checkbox"/> Demolition	<input type="checkbox"/> Replacement
<input type="checkbox"/> Manufactured/Mobil Home	

B. OTHER DEVELOPMENT ACTIVITIES:

- Fill Mining Drilling Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Alteration (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

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.)

Property Designation: ___ of ___

Site/Property Information:		
Legal Description: Please See Attached		
Physical Address/911 Address:		
Decimal Latitude/Longitude: 39.201285, -80.553387		
DMS Latitude/Longitude:		
District:	Map:	Parcel:
Land Book Description:		
Deed Book Reference:		
Tax Map Reference:		
Existing Buildings/Use of Property:		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes	No	Yes	No
		Zone: _____	
Notes:			

Doddridge County Commercial/Industrial Floodplain Development Permit Application

Mountain Valley provided a non-public list of affected landowners to FERC. FERC requires that this information be filed as privileged to protect the privacy of the landowners. To be consistent with these FERC requirements, the landowner information has been omitted from this application.

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: ____ of ____ See attached for property owners/adjacent landowners.

Property Owner Data:		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

**Doddridge County Commercial/Industrial
Floodplain Development Permit Application**

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: ___ of ___

Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: N/A		
C/SC WV License Number:		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC):		
Local C/SC POC Title:		
C/SC Mailing Address:		
City:	State:	Zip-Code:
Local C/SC Office Phone:		
Local C/SC POC Phone:		
Local C/SC POC E-Mail:		

Engineer Firm Information:		
Engineer Firm Name:		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC):		
Engineer Firm Primary POC Title:		
Engineer Firm Mailing Address:		
City:	State:	Zip-Code:
Engineer Firm Office Phone:		
Engineer Firm Primary POC Phone:		
Engineer Firm Primary POC E-Mail:		

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: Upstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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 of driveways
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 been properly attained, are current and valid, and must be presented with this application before a Doddridge County Floodplain Permit may be 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 or 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 at the next scheduled Doddridge County Commission meeting after the date of issuance. 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. A Certificate of Compliance is required upon substantial completion of the project.
- 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 Wirt County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: _____

Robert J. Cooper

Date: 03/31/2021

Applicant Printed Name: **Robert J. Cooper. Senior. VP Engineering and Construction MVP**

DODDRIDGE COUNTY FLOODPLAIN LANDOWNER INFORMATION MOUNTAIN VALLEY PIPELINE

Owner	Address	Legal Description	Mile Post	District	Map	Parcel	Deed Book/Page
Landowners							
Jeffery J Ford	15 Meadow Lane Bridgeport, WV 26330	Meathouse 90.74 AC	34.8	04	11	36	281/665
Adjacent Landowners							
Jeffery J Ford	15 Meadow Lane Bridgeport, WV 26330	BIG Isaac 1 AC	34.8	04	11	31	281/665
Jeffery J Ford	15 Meadow Lane Bridgeport, WV 26330	BIG Isaac 30 AC	34.8	04	11	35	WB41/619
Earl Richards (Life)	544 Independence Road Salem, WV 26426	5.36 AC Meathouse	34.8	04	11	37.7	258/200
Earl Richards (Life)	544 Independence Road Salem, WV 26426	2 AC Meathouse	34.8	04	11	37.6	258/194
John R Clowser	3735 Big Issac Road Salem, WV 26426	1.51 AC Meathouse	34.8	04	11	37.4	305/436
John Russel Clowser	PO Box 98 Lost Creek, WV 26385	77 PO Two Lots Meathouse	34.8	04	11	37.2	296/700
Brett Cox	3611 Haigker Road Monroe, NC, 28110	Meathouse 30.18 AC	34.8	04	11	37.5	316/583

Mountain Valley provided a non-public list of affected landowners to FERC. FERC requires that this information be filed as privileged to protect the privacy of the landowners. To be consistent with these FERC requirements, the landowner information has been omitted from this application.



118 E Ct St, West Union, WV 26456 to 39.201285, -80.553387

Drive 18.3 miles, 32 min



Imagery ©2017 Google, Map data ©2017 Google 2 mi

118 E Ct St

West Union, WV 26456

Take Railroad St to WV-18 S

- ↑ 1. Head northeast on Cross St toward Court St 1 min (0.2 mi)
- ↘ 2. Turn right onto Railroad St 52 ft
- ↙ 3. Turn left toward WV-18 S 0.2 mi
- 279 ft

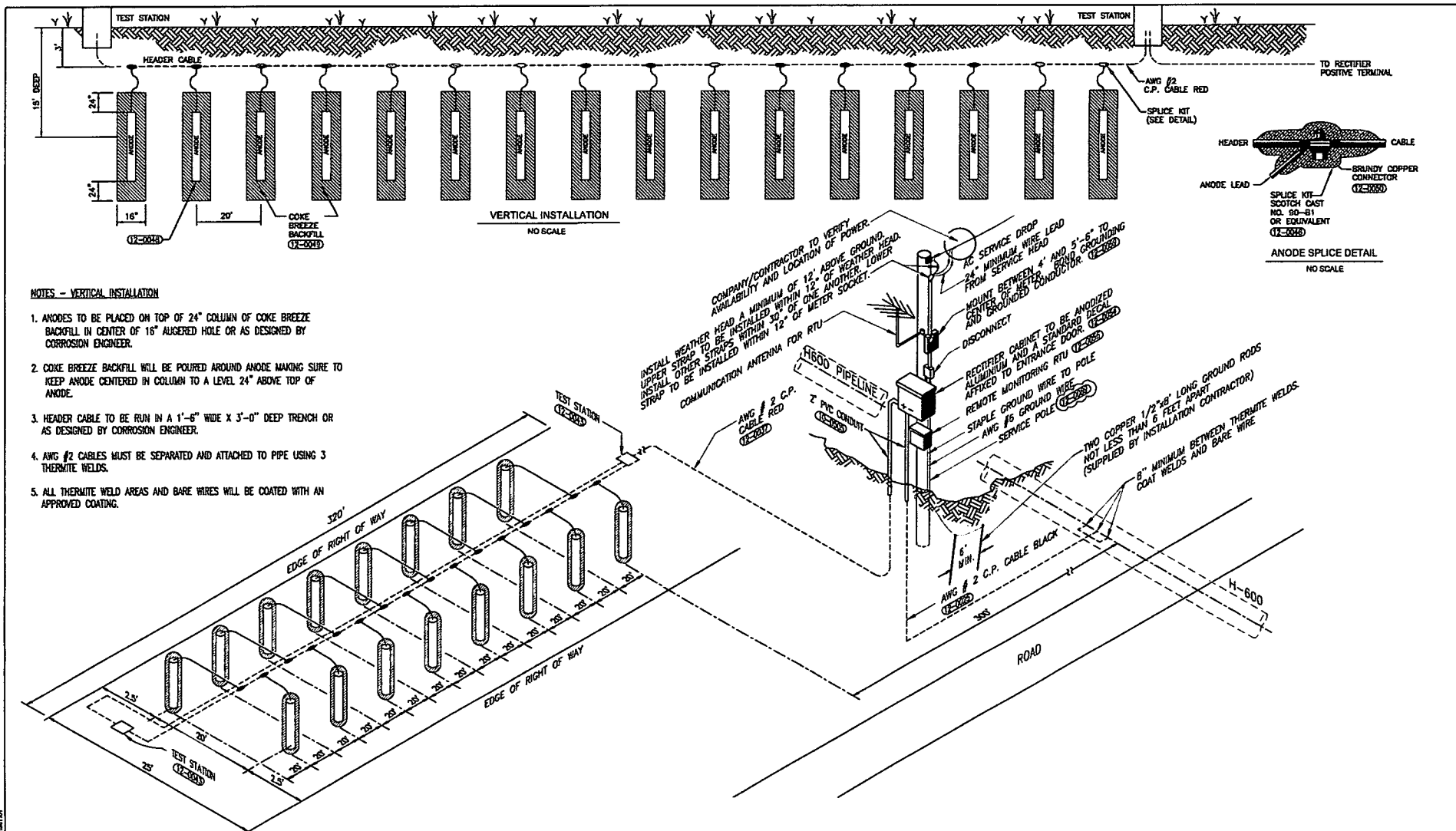
Take US-50 E, Co Rte 15 and Big Isaac to Meathouse Fork in Oak

31 min (18.1 mi)

4. Turn right onto WV-18 S 0.5 mi
5. Turn left onto US-50 E 5.6 mi
6. Turn right at Co Rte 50/35 0.1 mi
7. Continue onto Blacklick Rd 2.1 mi
8. Turn right onto Co Rte 15/Blacklick Rd/Sherwood-Greenbrier Rd
Ⓢ Continue to follow Co Rte 15 6.3 mi
9. Turn right onto Big Isaac 3.4 mi
10. Big Isaac turns left and becomes Meathouse Fork
Ⓢ Destination will be on the right 436 ft

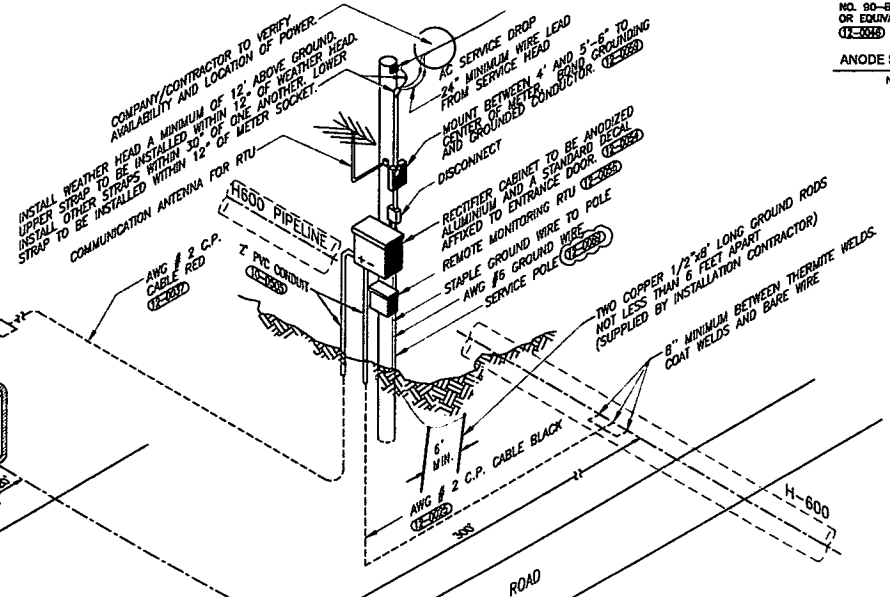
39.201285, -80.553387

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.



NOTES - VERTICAL INSTALLATION

1. ANODES TO BE PLACED ON TOP OF 24" COLUMN OF COKE BREEZE BACKFILL IN CENTER OF 16" AUGERED HOLE OR AS DESIGNED BY CORROSION ENGINEER.
2. COKE BREEZE BACKFILL WILL BE POURED AROUND ANODE MAKING SURE TO KEEP ANODE CENTERED IN COLUMN TO A LEVEL 24" ABOVE TOP OF ANODE.
3. HEADER CABLE TO BE RUN IN A 1'-6" WIDE X 3'-0" DEEP TRENCH OR AS DESIGNED BY CORROSION ENGINEER.
4. AWG #2 CABLES MUST BE SEPARATED AND ATTACHED TO PIPE USING 3 THERMITE WELDS.
5. ALL THERMITE WELD AREAS AND BARE WIRES WILL BE COATED WITH AN APPROVED COATING.



REFERENCE DRAWING	NO.	DATE	REVISION	BY	CHK	APPRO	NO.	DATE	REVISION	BY	CHK	APPRO
DESIGNER SHEET	P	5/25/2016	PRELIMINARY	ASA								

TO THE BEST OF MY KNOWLEDGE, ALL COMPONENTS OF THIS DRAWING ARE DESIGNED IN ACCORDANCE WITH APPLICABLE GUIDELINES AND SPECIFICATIONS

PAUL LAYNE
MECHANICAL DESIGN ENGINEER

DATE

ELECTRICAL DESIGN ENGINEER

DATE

NOTE: ANY CHANGES TO THE DESIGN SHOWN ON THIS DRAWING MUST BE APPROVED BY THE DESIGN ENGINEER.

Mountain Valley

PROJECT ID: P0800

DRAWING TITLE: H600 42" 1480 PSIG ANSI 600 RECTIFIER AND CONVENTIONAL GROUNDBED INSTALLATION - (16) VERTICAL ANODES

FACILITY STATE: P W

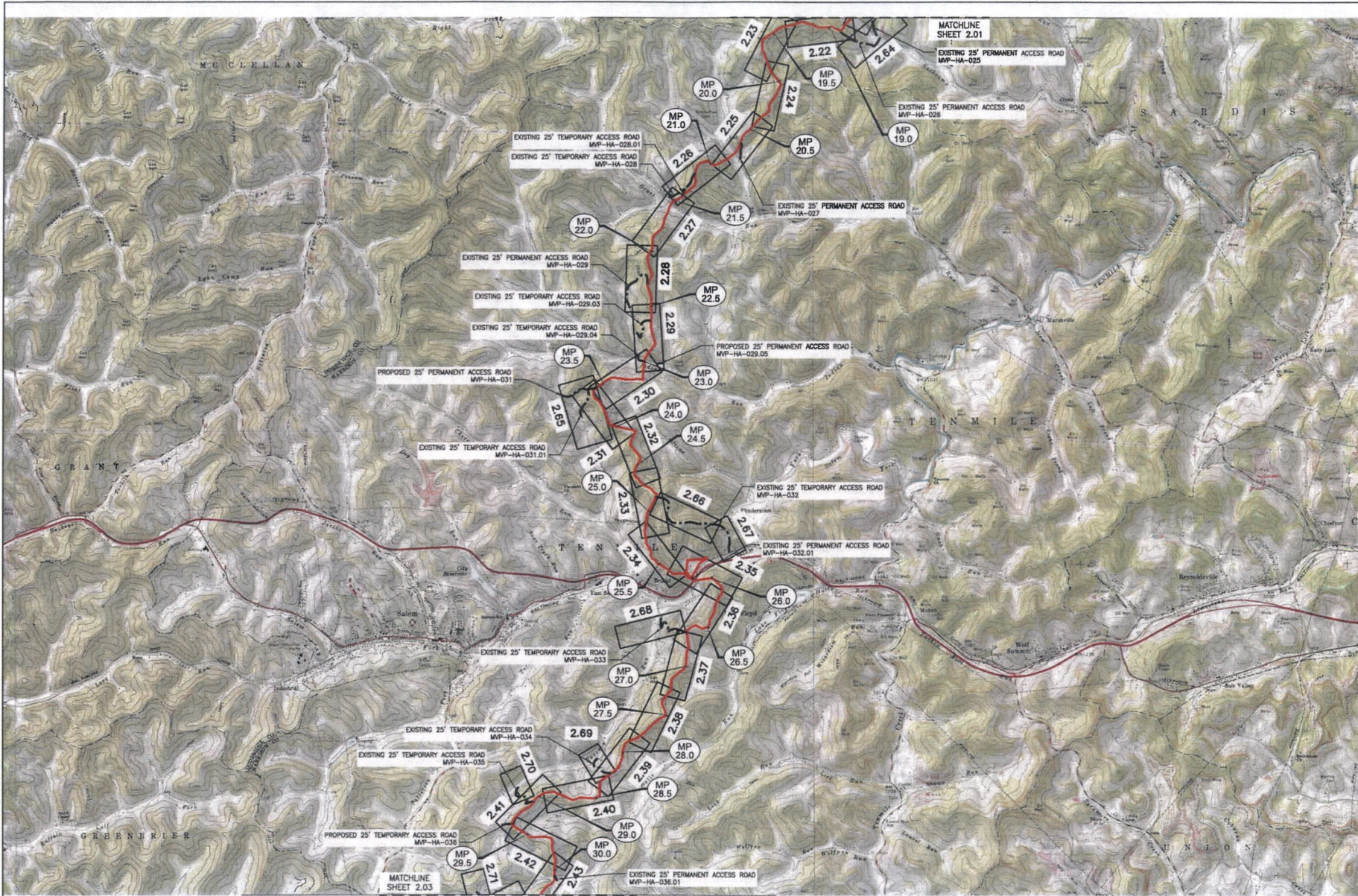
IDENTIFICATION: H600-01

SERIES: 1204

SHEET: 06

REVISION: P

Revised by: [Name], Date: [Date]



REV.	DATE	DRAWN	CHECKED	APP'D	DESCRIPTION

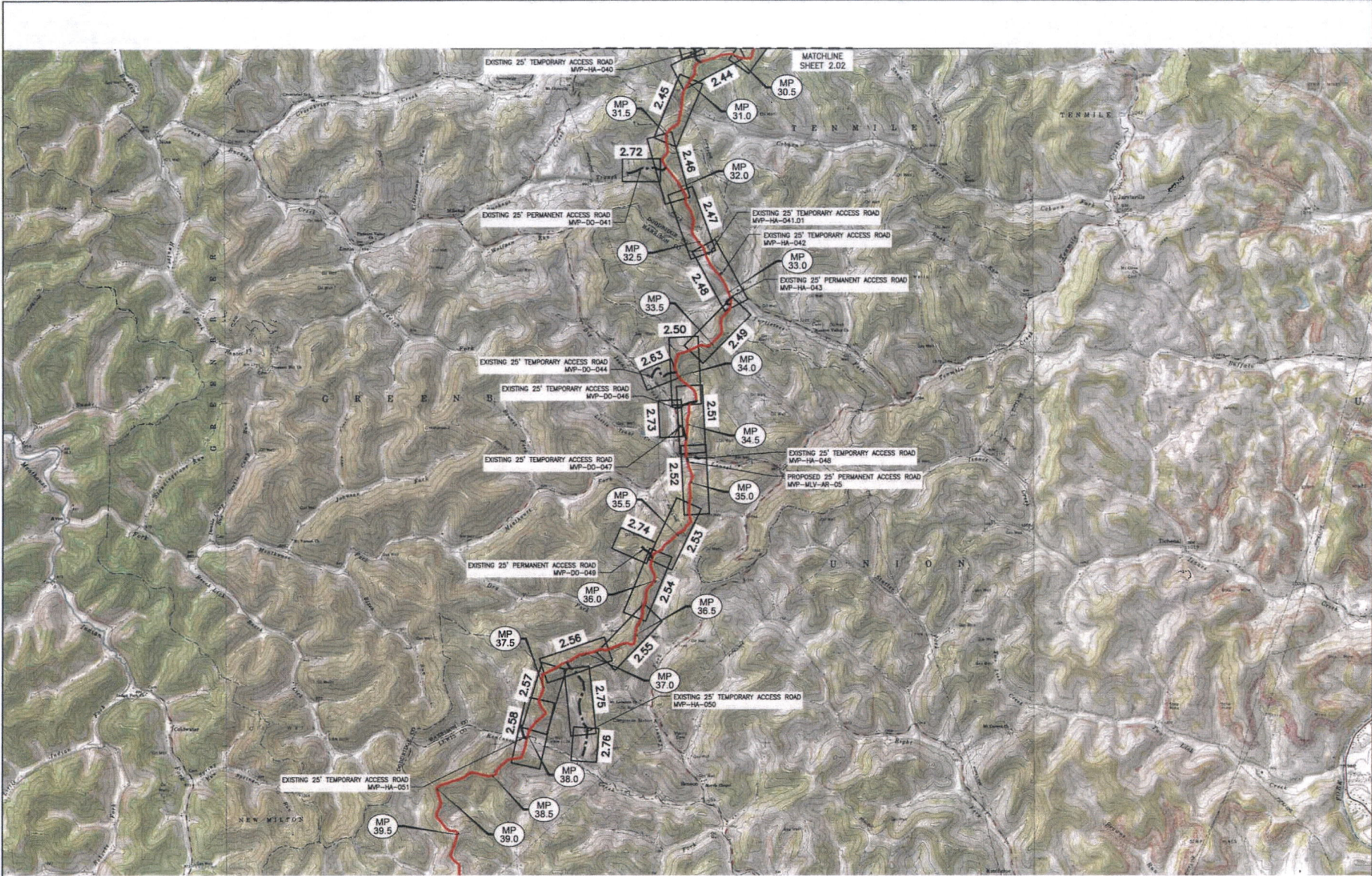
EROSION AND SEDIMENT CONTROL PLANS
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE
 HARRISON & DODDGE COUNTY, WEST VIRGINIA
MOUNTAIN VALLEY PIPELINE, LLC
 555 SOUTHPOINTE BOULEVARD, SUITE 200
 CANONSBURG, PA 15317

tetra tech
 complex world. clear solutions.[®]
 661 ANDERSON DRIVE
 FOSTER PLAZA
 PITTSBURGH, PA 15220

CONSTRUCTION PLANS


DRAWN BY: KAL
 CHECKED BY: HT
 APPROVED BY: RE
 DATE: 2/18/2018
 SCALE: AS SHOWN
 SHEET NO. 202 OF 278

TETRA TECH CAD FILE PATH: Z:\CAD\Projects\4157 - MVA - Harrison\4157\2018\02\04 - H600 Line\10/24/2018 10:28 PM_PLOT02.dwg Plot No. 202 PLOT: 2/18/2018 10:28 AM



TERRA TECH D:\PROJECTS\2018\02\2018_02_01\180202_01.dwg PLOTTED ON: 2/19/2018 2:08 PM PLOTTED BY: [redacted] PLOT FILE: ENVIRONMENTAL_CDR.dwg

NO.	DATE	DRAWN	CHECKED	APPROVED	DESCRIPTION

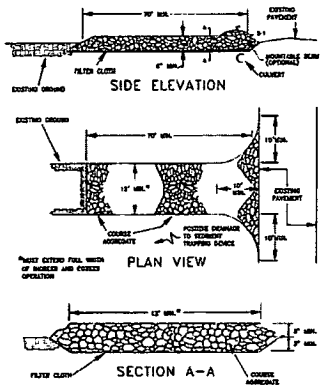

EROSION AND SEDIMENT CONTROL PLANS
MOUNTAIN VALLEY PIPELINE PROJECT - 1600 LINE
 HARRISON & DOORIDGE COUNTY, WEST VIRGINIA
MOUNTAIN VALLEY PIPELINE, LLC
 555 SOUTHPOINTE BOULEVARD, SUITE 200
 CANONSBURG, PA 15317


TETRA TECH
complete works. CLEAR SOLUTIONS™
 661 ANDERSEN DRIVE
 FOSTER PLAZA 7
 PITTSBURGH, PA 15220

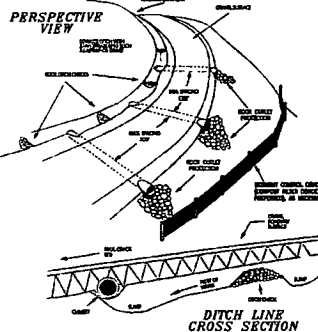
CONSTRUCTION PLANS

DRAWN BY:	KAL
CHECKED BY:	HT
APPROVED BY:	RE
DATE:	2/19/2018
SCALE:	AS SHOWN
SHT. NO.	2.03 OF 2.78

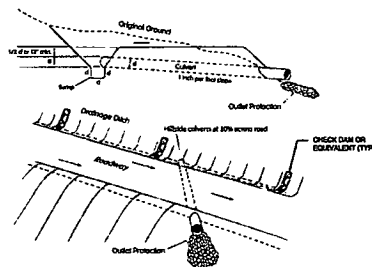
STONE CONSTRUCTION ENTRANCE



STONE CONSTRUCTION ENTRANCE
TAKEN FROM 2008 MANUAL



SEDIMENT AND EROSION CONTROL FOR ACCESS ROADS
TAKEN FROM 2012 MANUAL



NOTE:
1. ROCK CHECK DAMS, FILTER SOCK, OR EQUIVALENT WILL BE INSTALLED UPSTREAM OF THE CULVERT INLETS

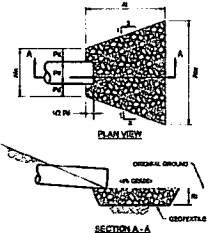
DITCH RELIEF CULVERT
TAKEN FROM 2012 MANUAL

Table 3.35.1
Average slope of watershed

Drainage area (acres)	Average slope of watershed			
	1%	4%	8%	16%
1 - 25	24	23	30	30
26 - 50	24	30	36	36
51 - 100	30	36	42	48
101 - 150	30	42	48	48
151 - 200	36	42	48	54
200 - 250	42	48	60	60
251 - 300	42	48	60	60
301 - 350	42	48	60	60
351 - 400	42	54	60	60
401 - 450	42	54	60	72
451 - 500	42	54	60	72
501 - 550	48	60	60	72
551 - 600	48	60	60	72
601 - 640	48	60	72	72

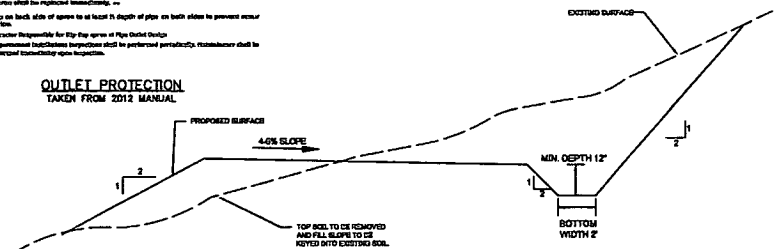
NOTE: MINIMUM CULVERT SIZE SHALL BE 12 INCHES. CULVERT SHALL BE INSTALLED AS INDICATED ON THE DETAIL.
REFERENCE: WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER AND WASTE MANAGEMENT, EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, 2008.

CULVERT SIZING CHART
TAKEN FROM 2008 MANUAL



OUTLET PROTECTION
TAKEN FROM 2012 MANUAL

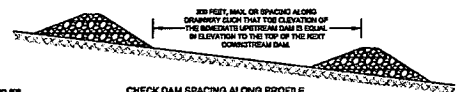
All aprons shall be constructed to the dimensions shown. Terminal aprons shall be designed as necessary to protect receiving channels.
All aprons shall be constructed of hard readily available materials. Slopes of aprons within the apron shall be riprap construction.
Closed drains on back side of apron to at least 5' depth of pipe on both sides to prevent water around the apron.
Construction responsible for the apron or pipe outlet device.
The permanent outlet device inspection shall be performed periodically, remedial work shall be performed immediately upon inspection.



NOTE:
1. INSLOPE WITH DITCH SECTION FOR USE ON STEEP SLOPE AND AREAS WITH POOR SOILS.
2. EROSION CONTROL MATTING TO BE INSTALLED ON CUT AND FILL SLOPES STEEPER THAN 2:1 V.
3. ALL DISTURBED AREAS WILL BE IMMEDIATELY SEEDED AND MULCHED.
4. INSTALL DITCH RELIEF CULVERTS AT LOW SPOTS AND APPROPRIATE LOCATIONS.
5. EXISTING MAINTAINED ROADS WILL HAVE STONE APPLIED AND APPROPRIATE SMOOTHING IF RUTTING OCCURS.
6. ROADS TO BE GRADED AND MAINTAINED WILL BE WIDENED, GRADED AND/OR STORMED AS NECESSARY WITHIN THE LOD TO MAINTAIN SAFE PASSAGE AND RESOURCE PROTECTION.

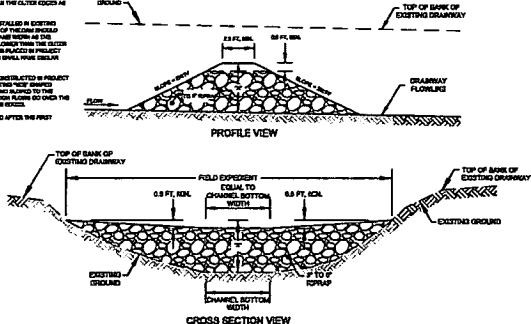
ACCESS ROAD TYPICAL SECTION
DEVELOPED FROM 2008 MANUAL

REFERENCES:
WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, DATED 2008.
WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DRAFT DATED 7-29-2010.
WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DATED MAY 2012.



CHECK DAM SPACING ALONG PROFILE
80% SCALE

NOTES:
1. IF CONDITIONS ARE INDICATED BY THE SPECIFICATIONS FOR EROSION CONTROL, THE MINIMUM HEIGHT OF THE ROCK CHECK DAM IS 12 INCHES. ROCK CHECK DAMS SHALL BE CONSTRUCTED AS SHOWN UNLESS OTHERWISE SPECIFIED.
2. ROCK CHECK DAMS ARE NORMALLY INSTALLED IN EXISTING DITCHES AND THE TOP SURFACE OF THE DAM SHALL BE AT THE SAME ELEVATION AS THE EXISTING DITCH BOTTOM. THE DAM SHALL BE CONSTRUCTED TO THE TOP OF THE EXISTING DITCH BOTTOM. THE DAM SHALL BE CONSTRUCTED TO THE TOP OF THE EXISTING DITCH BOTTOM.
3. THE CENTER OF ROCK CHECK DAMS CONSTRUCTED IN PRODUCE CHANNELS SHALL BE PLACED IN THE CENTER OF THE CHANNEL. THE DAM SHALL BE CONSTRUCTED TO THE TOP OF THE EXISTING DITCH BOTTOM. THE DAM SHALL BE CONSTRUCTED TO THE TOP OF THE EXISTING DITCH BOTTOM.
4. ROCK CHECK DAMS SHALL BE REMOVED AFTER THE FIRST CONSTRUCTION.



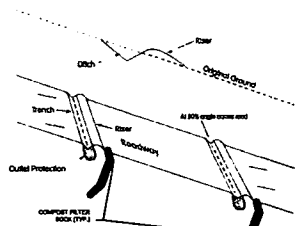
ROCK CHECK CHART

Mountaintop Valley
EROSION AND SEDIMENT CONTROL DETAILS
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE
WETZEL COUNTY THROUGH MORGAN COUNTY, WEST VIRGINIA
MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHWEST BULLOCH, SUITE 200
CHARLESTON, PA 15317

TETRA TECH
CLEAR SOLUTIONS
661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

CONSTRUCTION PLANS

DRAWN BY: KAL
CHECKED BY: JCI
APPROVED BY: RE
DATE: 2/18/2016
SCALE: AS SHOWN
DWT, INC. 0.01 OF 0.21

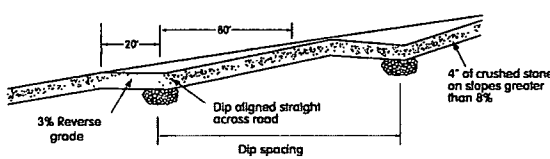


NOTE: APPROPRIATELY SIZED COMPOST FILTER SOCK TO BE USED AS SEDIMENT CONTROL DEVICE ON ROAD SIDE SURFACE PRIOR TO EXCAVATION DURING USE OF SECTION

CROSS DRAIN/WATER BAR
TAKEN FROM 2012 MANUAL

Table 0-4: Spacing of Broad-Based Dips

Grade (%)	Spacing (ft)
2	300
3	225
4	200
5	180
6	165
7	150
8	140
9	135
10	130

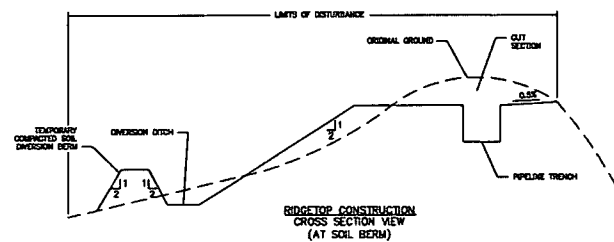


DESCRIPTION: A CONSTRUCTED DIP OR SLOPE ACROSS THE ROAD SURFACE, SLOPED TO THE OUTSIDE FOR DRAINAGE OF THE ROAD SURFACE.

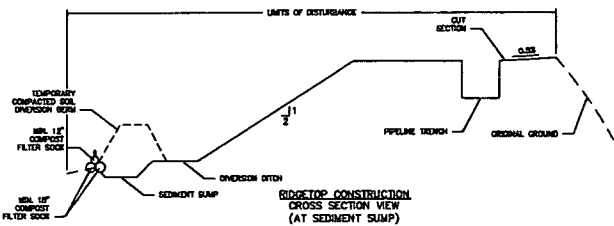
DESIGN CRITERIA:

1. MAXIMUM ROAD GRADE ON WHICH DIPS CAN BE CONSTRUCTED IS 10%.
2. A 3% REVERSE GRADE SHOULD BE CONSTRUCTED IN THE EXISTING ROADWAY BY CUTTING BACKSIDE OF THE DIP LOCATION.
3. BROAD-BASED DIP SHOULD BE ARMORED WITH STONE TO WITHSTAND EXPECTED TRAFFIC.
4. DRAINAGE OUTLET PROTECTION SHALL BE PROVIDED WITH APPROPRIATE SEDIMENT CONTROL DEVICES.
5. SPACING REFER TO TABLE 0-4.

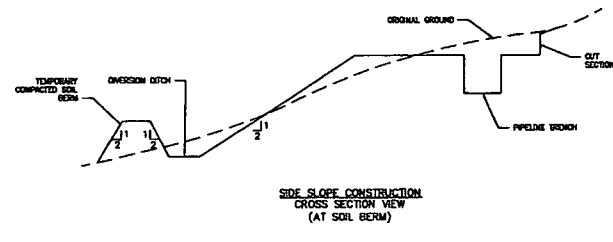
BROAD BASED DIP DETAIL
N.T.S.



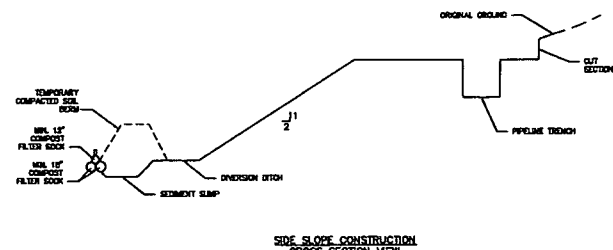
RIDGETOP CONSTRUCTION CROSS SECTION VIEW (AT SOIL BERM)



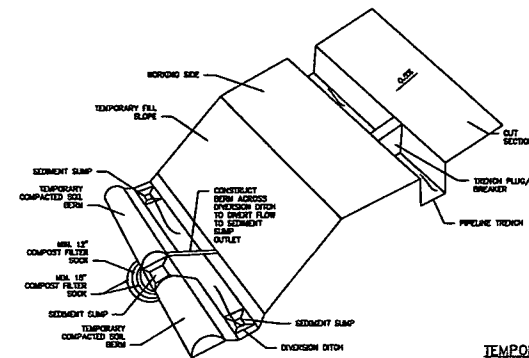
RIDGETOP CONSTRUCTION CROSS SECTION VIEW (AT SEDIMENT SUMP)



SIDE SLOPE CONSTRUCTION CROSS SECTION VIEW (AT SOIL BERM)

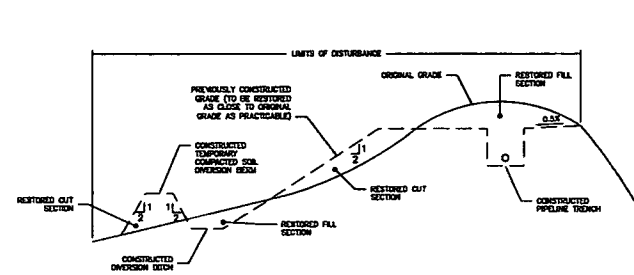


SIDE SLOPE CONSTRUCTION CROSS SECTION VIEW (AT SEDIMENT SUMP)

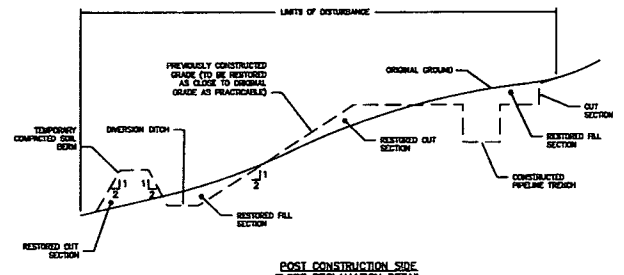


TEMPORARY RIGHT OF WAY DIVERSION AND OUTLET DETAIL
N.T.S.

- NOTE:
1. TEMPORARY RIGHT OF WAY DIVERSION AND OUTLET INTENDED FOR USE IN LIEU OF SILT FENCING OR COMPOST FILTER SOCK ALONG STRAIGHT SECTIONS OF RIGHT OF WAY LOCATED NEAR ROAD LINES.
 2. WELDED BARS SHALL BE USED TO STABILIZE THE TEMPORARY COMPACTED SOIL BERM, DIVERSION DITCH, AND TEMPORARY FILL SLOPE.
 3. REFER TO LANDSLIDE MITIGATION PLAN DETAILS FOR TRENCH BREAKER OUTLETS AND TEMPORARY DRAINAGE DETAILS.
 4. TEMPORARY FILL SLOPE TO BE CONSTRUCTED NO STEEPER THAN 2H:1V.
 5. SIDE SLOPES OF TEMPORARY SOIL BERM AND DIVERSION DITCH SHALL BE NO STEEPER THAN 2H:1V.
 6. ENDS OF COMPOST FILTER SOCK AT SUMP OUTLET TO BE TURNED UPOUN AND BUTTED UP AGAINST THE BERM TO PREVENT FLOW FROM PASSING AROUND COMPOST FILTER SOCK.



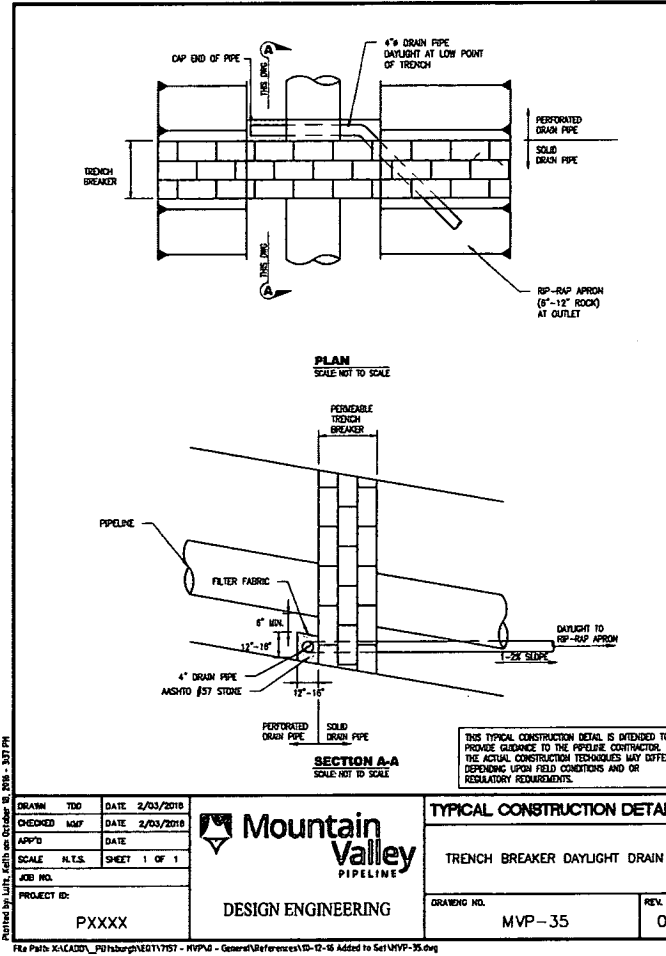
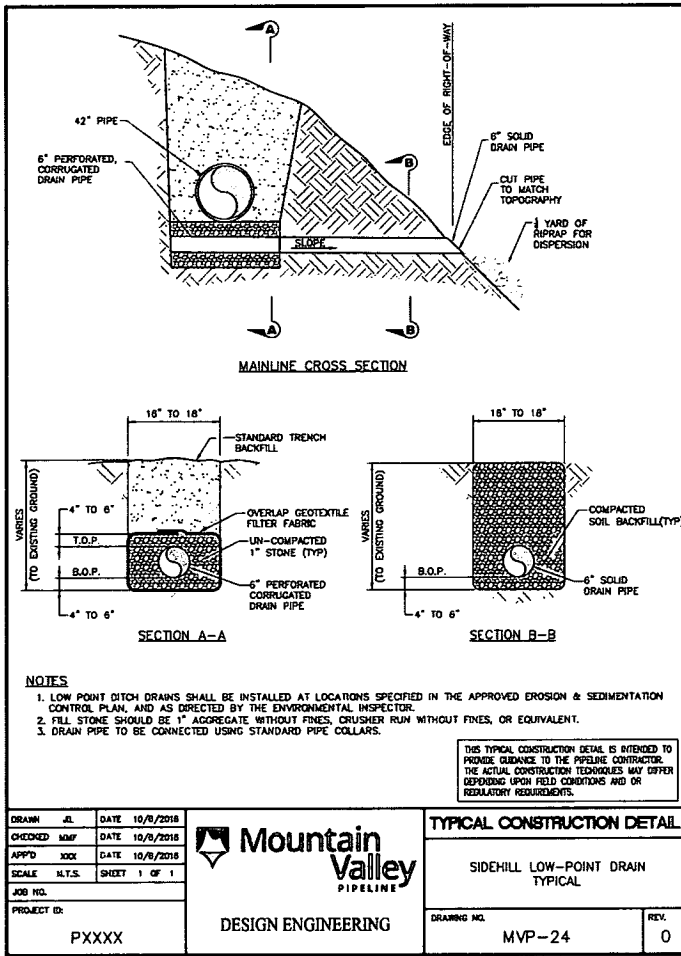
POST CONSTRUCTION RIDGETOP RECLAMATION DETAIL
N.T.S.



POST CONSTRUCTION SIDE SLOPE RECLAMATION DETAIL
N.T.S.

REFERENCES:
WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, DATED 2008.
WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DRAFT DATED 7-28-2010.
WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DATED MAY 2012.

Mountain Valley		EROSION AND SEDIMENT CONTROL DETAILS		MOUNTAIN VALLEY PIPELINE PROJECT - HOOD LINE		WEST VIRGINIA		REVISIONS:	
MOUNTAIN VALLEY PIPELINE, LLC		550 SOUTHPOINTE BOULEVARD, SUITE 300		COMPTON, PA 15317					
NO.	DATE	BY	CHKD	APPD	DESCRIPTION				
TETRA TECH									
CLEAR SOLUTIONS™									
651 ANDERSON DRIVE									
FOSTER PLAZA 7									
PITTSBURGH, PA 15220									
CONSTRUCTION PLANS									
DRAWN BY:	KAL								
CHECKED BY:	HT								
APPROVED BY:	RE								
DATE:	2/16/2018								
SCALE:	AS SHOWN								
SHT. NO.	028	OF	031						



SUP. PREVENTION DETAIL

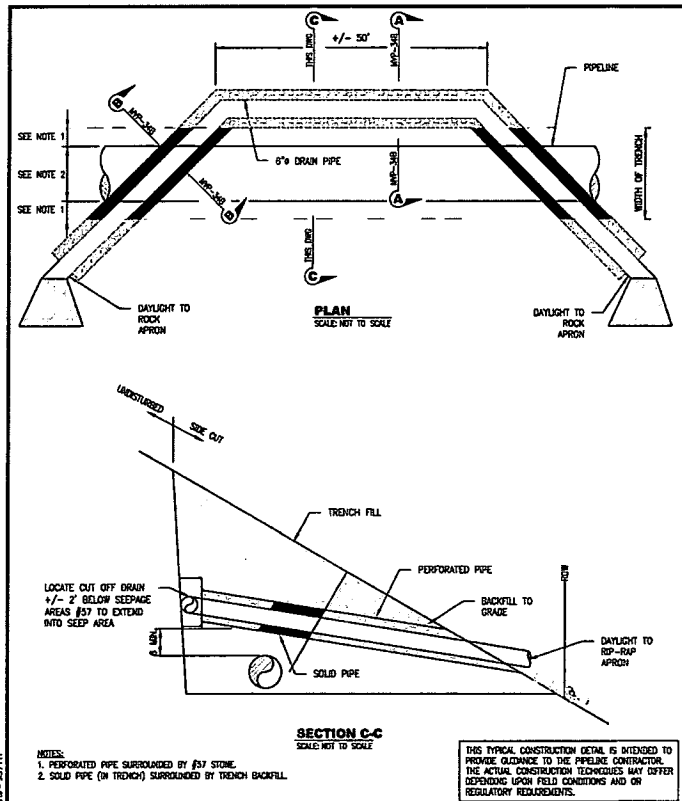
NO.	DATE	BY	REVISIONS:

Mountain Valley
EROSION AND SEDIMENT CONTROL DETAILS
 MOUNTAIN VALLEY PIPELINE PROJECT - 1600 LINE
 MOUNTAIN VALLEY PIPELINE, LLC
 651 ANDERSON DRIVE
 PITTSBURGH, PA 15220

TETRA TECH
 651 ANDERSON DRIVE
 FOSTER PLAZA
 PITTSBURGH, PA 15220

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND/OR REGULATORY REQUIREMENTS.

DRAWN BY:	JL
CHECKED BY:	MMF
APP'D BY:	XOK
DATE:	3/18/2016
SCALE:	AS SHOWN
SHEET NO.:	010 OF 021



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DRAWN	TDD	DATE	2/03/2016
CHECKED	MMF	DATE	2/03/2016
APP'D		DATE	
SCALE	N.T.S.	SHEET	1 OF 2
JOB NO.			
PROJECT ID:	PXXXX		



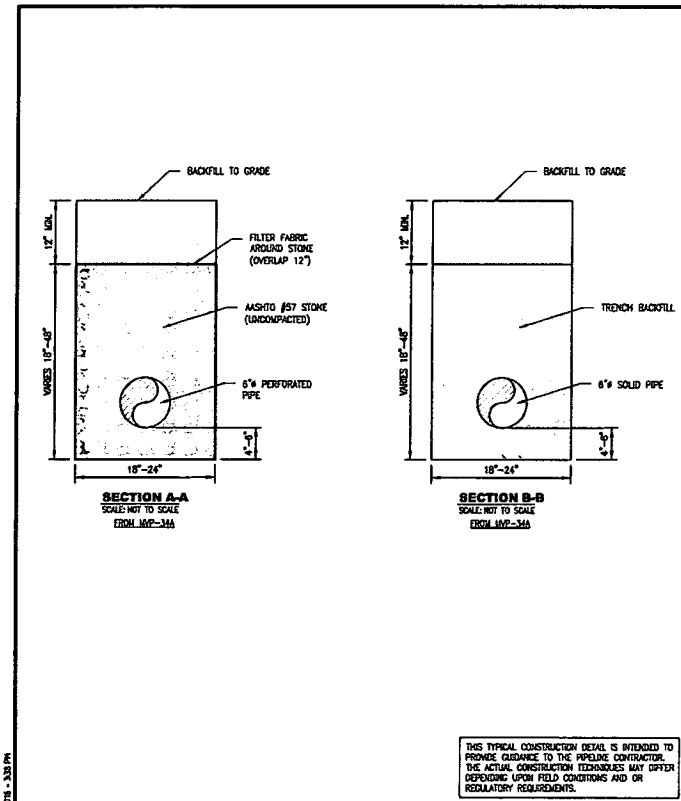
DESIGN ENGINEERING

TYPICAL CONSTRUCTION DETAIL

CUTOFF DRAIN-SIDEHILL

DRAWING NO.	MVP-36A	REV.	0
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Printed by: Lutz, Keith on October 10, 2016 - 3:38 PM

DRAWN	TDD	DATE	2/03/2016
CHECKED	MMF	DATE	2/03/2016
APP'D		DATE	
SCALE	N.T.S.	SHEET	2 OF 2
JOB NO.			
PROJECT ID:	PXXXX		



DESIGN ENGINEERING

TYPICAL CONSTRUCTION DETAIL

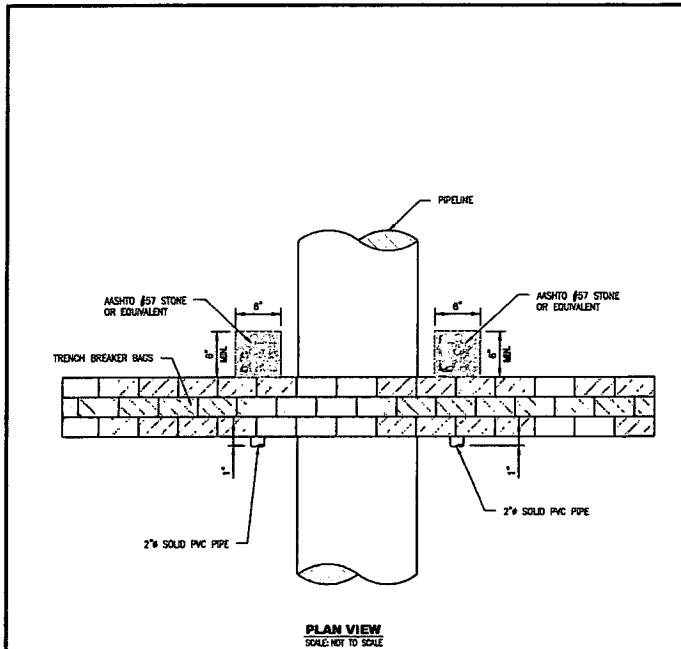
CUTOFF DRAIN-SIDEHILL

DRAWING NO.	MVP-36B	REV.	0
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SLIP PREVENTION DETAIL

		EROSION AND SEDIMENT CONTROL DETAILS MOUNTAIN VALLEY PIPELINE PROJECT - H800 LINE MOUNTAIN VALLEY PIPELINE, LLC 655 SERRANO DRIVE, SUITE 200 CAMDEN, PA 15317									
		651 ANDERSON DRIVE FOSTER PLAZA 7 PITTSBURGH, PA 15220									
THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND/OR REGULATORY REQUIREMENTS.											
DRAWN BY: KAL CHECKED BY: HT APPROVED BY: RE DATE: 2/18/2016 SCALE: AS SHOWN SHEET NO. 011 OF 031		REVISIONS: <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	BY	DESCRIPTION				
NO.	DATE	BY	DESCRIPTION								



PLAN VIEW
SCALE NOT TO SCALE

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND/OR REGULATORY REQUIREMENTS.

DRAWN	TDJ	DATE	4/14/2016
CHECKED	MMF	DATE	4/14/2016
APP'D		DATE	
SCALE	N.T.S.	SHEET	2 OF 2
JOB NO.			
PROJECT ID:	PXXXX		



DESIGN ENGINEERING

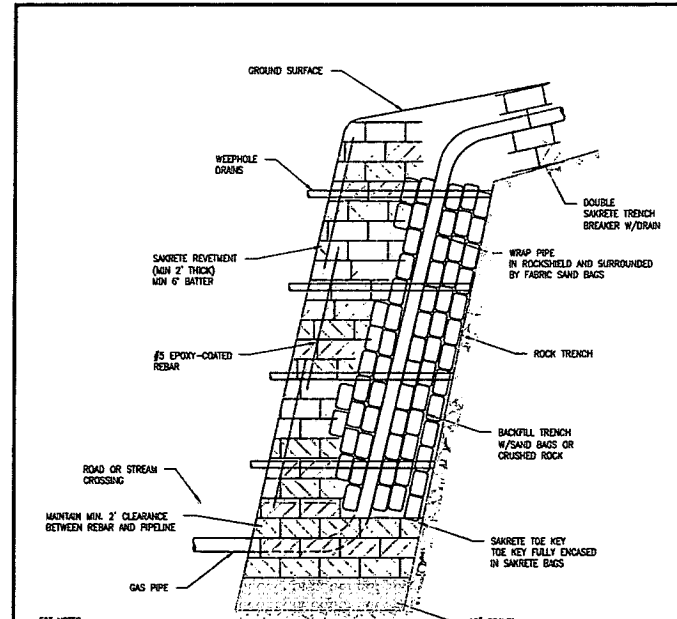
TYPICAL CONSTRUCTION DETAIL

TRENCH BREAKER
PASS-THROUGH DRAIN

DRAWING NO.	MVP-43B	REV.	0
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Printed by Lutz, Keith on October 16, 2016 - 3:11 PM

File Path: X:\CADD_Pittsburgh\171757 - MVP40 - General\References\10-12-16 Added to Set\WVP-43B.dwg



SIDE VIEW
SCALE NOT TO SCALE

NOTES:

1. SAKRETE BAGS SHOULD EXTEND 4 BAGS DEEP PIPE SHOULD BE COMPLETELY SURROUNDED BY SAND BAGS, OR CRUSHED ROCK (MAX 6").
2. SAKRETE BAGS SHOULD BE STAGGERED IN A MASONRY FASHION. THE FACE OF THE WALL SHALL BE INCLINED 6"-10" FROM VERTICAL.
3. #5 REBAR SHOULD BE DROVEN THROUGH THE SAKRETE BAGS (SEE DETAIL 1).
4. 2" PVC WEEPHOLE DRAINS SHALL BE INSTALLED EVERY 15 FT.

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND/OR REGULATORY REQUIREMENTS.

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File Path: X:\CADD_Pittsburgh\171757 - MVP40 - General\References\10-12-16 Added to Set\WVP-44A.dwg

DRAWN	DL	DATE	8/29/2016
CHECKED	MMF	DATE	
APP'D		DATE	
SCALE	N.T.S.	SHEET	1 OF 2
JOB NO.			
PROJECT ID:	PXXXX		



DESIGN ENGINEERING

TYPICAL CONSTRUCTION DETAIL

SLIDE MITIGATION
HIGHWALL REVETMENT
SIDE VIEW

DRAWING NO.	MVP-44A	REV.	0
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NO.	DATE	BY	CHKD	APPROV.	DESCRIPTION

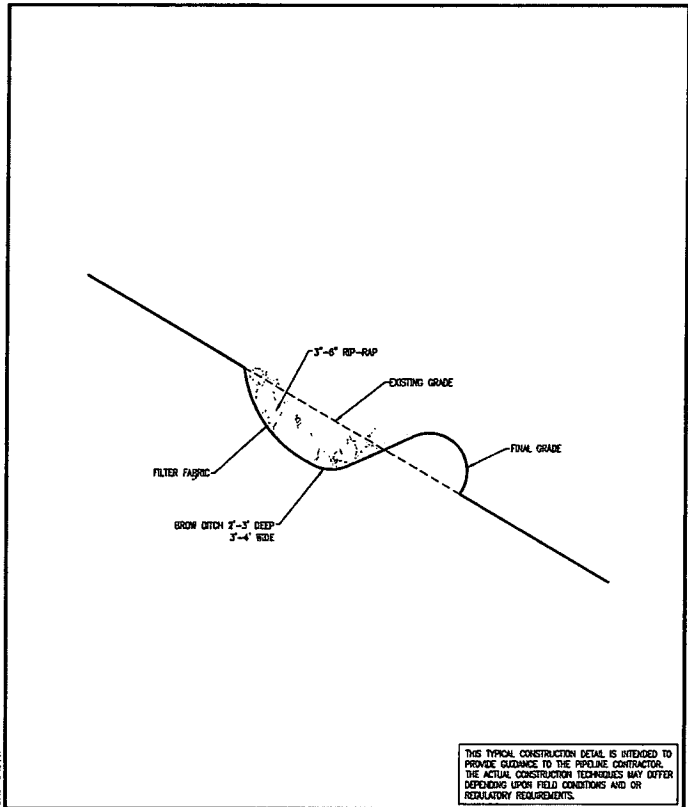
Mountain Valley
EROSION AND SEDIMENT CONTROL DETAILS
MOUNTAIN VALLEY PIPELINE PROJECT - H800 LINE
MOUNTAIN VALLEY PIPELINE, LLC
555 SOUTHWEST BLOSSARD, SUITE 200
CAMDEN, PA 17017

TETRA TECH
CLEAR SOLUTIONS
861 ANDERSON DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY DIFFER DEPENDING UPON FIELD CONDITIONS AND/OR REGULATORY REQUIREMENTS.

DRAWN BY	DL
CHECKED BY	MMF
APPROVED BY	RE
DATE	5/18/2016
SCALE	AS SHOWN
SHEET NO.	017 OF 021

SLIP PREVENTION DETAIL



THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY VARY DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

Printed by Lutz, Keith on October 18, 2018 - 3:43 PM

DRWN	TDD	DATE	7/12/2018
CHEKED	MUF	DATE	7/12/2018
APP'D		DATE	
SCALE	N.T.S.	SHEET	1 OF 1
JOB NO.			
PROJECT ID:	PXXXX		

Mountain Valley
PIPELINE
DESIGN ENGINEERING

TYPICAL CONSTRUCTION DETAIL	
BROW DITCH DETAIL	
DRAWING NO.	REV.
MVP-46	0

File Path: X:\CADD\Pittsburgh\EGT\TYS7 - RVP18 - General\References\10-12-18 Added to Set\WVP-46.dwg

SLIP PREVENTION DETAIL

NO.	DATE	BY	CHKD.	APP'D.	REVISIONS:

Mountain Valley
EROSION AND SEDIMENT CONTROL DETAILS
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE
MOUNTAIN VALLEY PIPELINE, LLC
568 SOUTHWEST BRIDGE, SUITE 200
CHAMBERSBURG, PA 15717

TETRA TECH
SUSTAINABLE WATER CLEAR SOLUTIONS
661 ANDERSEN DRIVE
FOSTER PLAZA 7
PITTSBURGH, PA 15220

THIS TYPICAL CONSTRUCTION DETAIL IS INTENDED TO PROVIDE GUIDANCE TO THE PIPELINE CONTRACTOR. THE ACTUAL CONSTRUCTION TECHNIQUES MAY VARY DEPENDING UPON FIELD CONDITIONS AND OR REGULATORY REQUIREMENTS.

DRWN BY:	KAL
CHEKED BY:	HE
APP'D BY:	RE
DATE:	2/18/2018
SCALE:	AS SHOWN
SHT. NO.	019 OF 021

GENERAL CONSTRUCTION SEQUENCE

THE FOLLOWING IS A GENERAL SEQUENCE FOR EARTHWORKING ACTIVITIES ASSOCIATED WITH CONSTRUCTION OF THE PIPELINE:

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS PRIOR TO EARTH DISTURBANCE. REFER TO BEST MANAGEMENT PRACTICES (BMP) INSTALLATION AND REMOVAL NOTES. APPROPRIATE BMP'S SHOULD BE PLACED AROUND SENSITIVE AREAS PRIOR TO EARTH DISTURBANCE. STONE CONSTRUCTION ENTRANCES (SCE) ARE TO BE PROVIDED AT ALL LOCATIONS WHERE ACCESS ROADS AND PIPELINES WILL BE CROSSING A PUBLIC ROADWAY.
2. INSTALL TEMPORARY EAS CONTROLS FOR STREAM CROSSINGS AT LOCATIONS SHOWN ON THE EAS PLAN SHEETS. NO EARTH DISTURBANCE ACTIVITIES WITHIN 50 FEET OF STREAM CHANNELS WILL BE PERFORMED UNTIL MATERIALS NEEDED TO COMPLETE THE CROSSING ARE AT THE LOCATION.
3. GENERAL CLEARING AND GRUBBING OF THE TREES AND BRUSH ALONG THE RIGHT-OF-WAY (ROW) FOR PIPELINE TRENCHING MAY COMMENCE TO THE WIDTH SPECIFIED IN THE ROW AGREEMENTS OR CONSTRUCTION ALIGNMENT SHEETS, WHICHEVER IS LESS. SMALLER DEBRIS, SUCH AS SHRUBS OR LIMBS, ARE TO BE CHIPPED AND UTILIZED ON-SITE AS PART OF THE SOIL STABILIZATION UNLESS OTHERWISE DIRECTED BY THE LANDOWNER. LOGS WILL EITHER BE HAULED OFF-SITE OR OVEN INTO THE LANDOWNER UPON THEIR REQUEST; STUMPS AND/OR LOGS WILL BE GROUND, CHIPPED, MOWDOWN, OR HAULED OFF-SITE.
4. INSTALL TEMPORARY WATERBARS IMMEDIATELY AFTER INITIAL DISTURBANCE OF THE SOIL IN ACCORDANCE WITH THE WATERBAR SPACING AND SIZING REQUIREMENTS SHOWN ON THE PLAN AND DETAIL SHEETS. WATERBARS WILL BE CONSTRUCTED OF SOIL AND USED TO REDUCE RUNOFF VELOCITY AND DIVERT WATER OFF THE PIPELINE ROW. WATERBARS WILL BE INSTALLED WITH COMPOSTED FILTER SOCK AT THE DISCHARGE END.
5. EXCAVATE PIPELINE TRENCH AND BEGIN GRADING OF PROPOSED WATER AND RECTIFIER ANODE BED SITES. THE PROPOSED CONSTRUCTION ROW AND EXTRA WORKSPACES ARE TO BE USED AS A WORK AREA FOR TRENCH EXCAVATION, EQUIPMENT MOVEMENT AND THE TEMPORARY STORAGE OF SOIL STOCKPILES, AS NEEDED. EQUIPMENT, SOIL STOCKPILES AND OTHER MATERIALS ARE TO REMAIN AWAY FROM BMP'S DURING CONSTRUCTION ACTIVITIES. REFER TO BMP INSTALLATION AND REMOVAL SEQUENCE FOR THE BMP'S TO BE USED FOR PROTECTION DURING TRENCH EXCAVATION AND AROUND TEMPORARY SOIL STOCKPILES. SEGREGATION OF TOPSOIL AND SUBSOIL WILL BE PERFORMED WHERE TRENCH EXCAVATION TAKES PLACE IN AN AGRICULTURAL, WETLAND OR RESIDENTIAL AREA.
6. PIPELINE SECTIONS WILL BE TRANSPORTED TO THE WORK AREA AND STRUNG ALONG THE WORKING SIDE OF THE ROW PARALLEL TO THE TRENCH LINE. WELDING CAN OCCUR IN OR OUT OF THE TRENCH. THE PIPELINE WILL BE BENT TO CONFORM TO THE TRENCH CONTOUR, ALIGNED WELDED AND PLACED ON TEMPORARY SUPPORTS ALONGSIDE THE TRENCH. WELDS WILL BE VISUALLY AND MEASUREMENT CHECKED AND REPAIRED AS NECESSARY. THE PIPELINE WILL BE BENT INTO THE TRENCH AND PLACED ON PADDING PER MWP CONSTRUCTION STANDARDS. ANY WETNESS ENCOUNTERED DURING CONSTRUCTION WORK WILL BE DETAILED BY USING PUMPS, HOSES, AND PUMPED FILTER (WETNESS) BAGS, AND WILL BE DISCHARGED TO A WELL VEGETATED UPLAND AREA. NO STANDING WATER IS PERMITTED IN PIPE TRENCH AT ANY POINT IN TIME EXCEPT FOR WETLAND AREAS.
7. STREAM PIPELINE CROSSING CONSTRUCTION METHODS WILL BE INSTALLED AT LOCATIONS SHOWN ON THE EAS PLAN SHEETS AND AS SPECIFIED ON DETAIL SHEET. STREAM BANK STABILIZATION WILL BE INSTALLED IMMEDIATELY FOLLOWING COMPLETION OF PIPELINE INSTALLATION AS SHOWN ON THE DETAIL SHEET.
8. INSTALL TRENCH BREAKERS AT LOCATIONS SHOWN ON THE DRAWINGS OR AS DIRECTED BY MWP AND AS SPECIFIED ON THE DETAIL SHEET.
9. THE TRENCH WILL SUBSEQUENTLY BE BACKFILLED WITH SUITABLE EXCAVATED MATERIAL. THE BACKFILL MATERIAL WILL BE SLIGHTLY OVERBLENDED TO ALLOW FOR SETTLEMENT. THE SOIL WILL BE SETTLED TO A DEPTH OF 1/2" TO 1" BELOW THE PIPELINE. THIS WILL HELP PREVENT FUTURE STORM WATER-RELATED PROBLEMS FROM SETTLING OF THE BACKFILLED AREA. NO CROWDING OF SOILS WILL TAKE PLACE IN WETLANDS, STREAMS OR FLOODPLAINS. IN AREAS WHERE TOPSOIL HAS BEEN SEGREGATED, THE SUBSOIL WILL BE REPLACED FIRST, AND THEN THE TOPSOIL WILL BE SPREAD OVER THE AREA FROM WHICH IT WAS REMOVED. DISTURBED AREAS WILL BE RESTORED TO THEIR APPROXIMATE ORIGINAL TOPOGRAPHIC CONTOURS.
10. STABILIZE EXPOSED AND UNWORKED SOILS BY APPLICATION OF EFFECTIVE BMP'S THAT PROTECT THE SOIL FROM THE EROSION FORCES OF RAINDROPS, FLOWING WATER, AND WIND. AREAS AT FINAL GRADE SHOULD BE SEEDED AND MULCHED OR OTHERWISE STABILIZED WITHIN 7 DAYS AND AREAS THAT WILL NOT BE WORKED AGAIN FOR 21 DAYS OR MORE MUST BE SEEDED AND MULCHED OR OTHERWISE STABILIZED WITHIN 7 DAYS.
11. IN THE UNLIKELY EVENT THAT THERE ARE EXCESS EXCAVATED MATERIALS REMAINING AFTER THE TRENCH HAS BEEN BACKFILLED, THE MATERIAL IS TO BE DISPOSED OF WITHIN THE EXISTING ROW IN AN UPLAND AREA OUTSIDE OF THE 100-YEAR FLOODPLAIN. MATERIAL WILL BE SPREAD IN A THIN LAYER AND TIED INTO EXISTING CONTOURS TO CREATE POSITIVE DRAINAGE FOR STORMWATER RUNOFF.
12. CONSTRUCT PERMANENT WATERBARS AFTER COMPLETION OF GRADING IN ACCORDANCE WITH THE WATERBAR SPACING AND SIZING REQUIREMENTS SHOWN ON PLAN AND DETAIL SHEETS. PERMANENT WATERBARS ARE NOT PERMITTED IN AGRICULTURAL OR PASTURE LANDS.
13. REVEGETATE DISTURBED AREA PER TABLES ON THIS SHEET OR PER LANDOWNER REQUEST. FOR 3:1 OR STEEPER SLOPES THE DISTURBED AREA WILL HAVE EROSION CONTROL FABRIC (BLANKETING, HYDROSEEDING, FLECTERRA, OR APPROVED EQUIV.) INSTALLED AS SHOWN ON DETAIL SHEET. BLANKETING IS NOT PERMITTED IN AGRICULTURAL OR PASTURE LANDS.
14. RE-ESTABLISH APPROPRIATE DRAINAGE IN EXISTING ROAD CHANNELS PRIOR TO SEEDING AND MULCHING.
15. INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS WITHIN DISTURBED AREAS WILL BE, AT A MINIMUM, PERFORMED ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES PER 24 HOUR PERIOD. REPAIRS OR MAINTENANCE SHALL BE PERFORMED IMMEDIATELY TO BMP'S. A FINAL INSPECTION SHALL BE REQUESTED ONCE THERE IS UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE ESTABLISHED. TEMPORARY BMP'S WILL BE REMOVED UPON ACHIEVING VEGETATIVE STABILIZATION. THE 70 PERCENT REQUIREMENT REFERS TO THE TOTAL AREA VEGETATED AND NOT A PERCENT OF THE SITE. DISTURBED AREAS NOT ATTAINING A UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE SHALL BE RE-SEED AS NEEDED UNTIL UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE IS ESTABLISHED.
16. ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS THAT OCCUR ON SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF SURFACE WATERS. WOODY DEBRIS MAY BE CHIPPED AND SPREAD ON-SITE.

FOR STREAM CROSSINGS, REFER TO THE FOLLOWING STEPS:

1. INSTALL TEMPORARY EQUIPMENT BRIDGE, BYPASS HOSE, FLUME, PUMP, OR COFFERDAM AS DESCRIBED IN STREAM CROSSING DETAILS AROUND THE WORK AREA.
2. DENATOR WORK AREA UTILIZING PUMP WATER FILTER BAGS. WHERE POSSIBLE, EXCAVATION WILL BE FROM THE TOP OF THE STREAM BANK. STOCKPILE STREAM BED MATERIAL SEPARATELY FROM OTHER SOILS TO BE USED DURING THE STREAM RESTORATION.
3. INSTALL TRENCH PLUGS, PIPE, AND BACKFILL.
4. STABILIZE CHANNEL EXCAVATION AND STREAM BANKS PRIOR TO REDIRECTING STREAM FLOW. STOCKPILE STREAM BED MATERIAL WILL BE THE LAST MATERIAL RESTORED IN THE STREAM CHANNEL.
5. REMOVE BYPASS HOSE, FLUME, PUMP, AND TEMPORARY DAM AS NEEDED.

IF WORKING WITHIN A WETLAND AREA, FOLLOW THE GENERALIZED CONSTRUCTION SEQUENCE BELOW:

1. INSTALL EITHER SUPER SILT FENCE OR COMPOST FILTER SOCKS ALONG THE PERIMETERS OF THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
2. MATS, PADS, OR SIMILAR DEVICES WILL BE USED DURING THE CROSSINGS OF WETLANDS. ORIGINAL GRADES THROUGH WETLANDS MUST BE RESTORED AFTER TRENCHING AND BACKFILLING. ANY EXCESS FILL MATERIALS MUST BE REMOVED FROM THE WETLAND AND NOT SPREAD WITHIN WETLANDS.
3. SOIL EXCAVATED FROM WETLAND AREAS WILL BE CAREFULLY REMOVED WITH THE ROOTS INTACT. THIS SOIL SHOULD BE PLACED IN A SEPARATE STOCKPILE TO BE REUSED DURING THE WETLAND SURFACE RESTITUTION.
4. DENATOR WORK AREA UTILIZING PUMP WATER FILTER BAGS.

5. INSTALL PIPE.
6. INSTALL TRENCH PLUGS IN WETLAND AREAS TO PREVENT THE TRENCH FROM DRAINING THE WETLAND OR CHANGING ITS HYDROLOGY.
7. BACKFILL PIPE TRENCH. BACKFILL THE TOP 12-INCHES OF THE EXCAVATED TRENCH WITH THE STOCKPILED WETLAND SOIL TO MATCH ORIGINAL SURFACE GRADES.
8. COMPACT BACKFILL AND GRADE THE SURFACE OF THE TRENCH AREA TO ALLOW FOR POSITIVE DRAINAGE TO SOIL BASINS AND TO PREPARE DISTURBED AREAS FOR PERMANENT TRENCH RESTORATION.
9. MAINTAIN ALL EASSES BEHAVED UNTIL SITE WORK IS COMPLETE AND A UNIFORM 70-PERCENT PERMANENT VEGETATIVE COVER IS ESTABLISHED.
10. REMOVE ALL SOIL AND EASCS MEASURES UPON ESTABLISHMENT OF A UNIFORM 70-PERCENT VEGETATIVE COVER OVER THE DISTURBED AREA. RE-GRADE AND REVEGETATE AREAS DISTURBED DURING THE REMOVAL OF THE SOIL EASCS.

BMP MAINTENANCE

- TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE AS STATED IN WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER AND WASTE MANAGEMENT, EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, 2008.
- IN NON-AGRICULTURAL AREAS THE VISUAL SURVEY SHALL BE COMPARED TO THE DENSITY AND COVER OF ADJACENT UNDISTURBED LANDS. IN AGRICULTURAL AREAS, THE VISUAL SURVEY SHALL BE COMPARED TO THE ADJACENT UNDISTURBED PORTIONS OF THE SAME FIELD, UNLESS THE EASEMENT AGREEMENT SPECIFIES OTHERWISE.
- WETLANDS ALONG THE PROPOSED PIPELINE ARE EXPECTED TO EXHIBIT VARYING DEGREES OF SATURATION AND WATER ELEVATION. REQUIRING A VARIETY OF PLANT SPECIES TO BE RE-ESTABLISHED IN UNSATURATED WETLANDS, MOST VEGETATION WILL BE REPLACED BY SEEDING. SATURATED WETLANDS WILL TYPICALLY BE RE-VEGETATED NATURALLY. WETLAND VEGETATION WILL BE CONSIDERED SUCCESSFUL WHEN THE COVER OF HERBACEOUS AND/OR WOODY SPECIES IS AT LEAST 80 PERCENT OF THE TYPE, DENSITY, AND DISTRIBUTION OF THE VEGETATION IN ADJACENT WETLAND AREAS THAT WERE NOT DISTURBED BY CONSTRUCTION. REVEGETATION EFFORTS WILL CONTINUE UNTIL WETLAND VEGETATION IS SUCCESSFUL.
- INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS WITHIN DISTURBED AREAS WILL BE, AT A MINIMUM, PERFORMED ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT EQUAL TO OR GREATER THAN 0.5 INCHES PER 24 HOUR PERIOD. REPAIRS OR MAINTENANCE SHALL BE PERFORMED IMMEDIATELY TO BMP'S. A FINAL INSPECTION SHALL BE REQUESTED ONCE THERE IS UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE ESTABLISHED. TEMPORARY BMP'S WILL BE REMOVED UPON ACHIEVING VEGETATIVE STABILIZATION. THE 70 PERCENT REQUIREMENT REFERS TO THE TOTAL AREA VEGETATED AND NOT A PERCENT OF THE SITE. DISTURBED AREAS NOT ATTAINING A UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE SHALL BE RE-SEED AS NEEDED UNTIL UNIFORM, PERMANENT 70 PERCENT VEGETATIVE COVERAGE IS ESTABLISHED.
- TEMPORARY EROSION AND SEDIMENT CONTROL BMP'S SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMP'S OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

REFERENCES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER AND WASTE MANAGEMENT, EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, 2008.
 WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS, WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, MAY 2015.
RECOMMENDED PERMANENT AND TEMPORARY SEED MIXTURES AND FERTILIZER/MULCH FOR REVEGETATION OF UPLAND AREAS

ITEM		UPLANDS
PERMANENT SEED AND MULCH APPLICATION RATES		
Seed 1	Kentucky 31 tall fescue	85 pounds per acre
Seed 1	Empire Hardhead Trifol (1/2 Empire, 1/2 Vicia)	5 pounds per acre of inoculated seed
Seed 1	Redfescue	20 pounds per acre
Lime	Agricultural Grade (Pallet Form)	2 Tons per acre without a soil test
Fertilizer	10-20-20	1/2 ton per acre
Mulch	Grass Hay or Cereal Straw	3 tons per acre
TEMPORARY SEED AND MULCH APPLICATION RATES		
Seed 1	Annual Ryegrass	40 pounds per acre
Mulch	Grass Hay or Cereal Straw	3 tons per acre

NOTES

- 1 ALL SEED IS PURE LIVE SEED.
- 2 UNLESS OTHERWISE REQUESTED BY LANDOWNER IN R.O.W.M.

REVEGETATION OF WETLAND AREAS

ITEM		WETLANDS ¹
Seed 1	Annual Ryegrass	48 pounds per acre

NOTES

- 1 ALL SEED IS PURE LIVE SEED.
- 2 DO NOT APPLY MULCH, FERTILIZER, OR LIME IN WETLAND AREAS.

ALTERNATE PERMANENT SEED MIXTURES

ITEM		ALTERNATE NO. 1
PERMANENT SEED AND MULCH APPLICATION RATES		
Seed 1	Alfalfa	18 pounds per acre
Seed 1	Clover	5 pounds per acre

ITEM		ALTERNATE NO. 2
PERMANENT SEED APPLICATION RATES		
Seed 1	Orchard Grass	30 pounds per acre
Seed 1	Clover	5 pounds per acre

ITEM		ALTERNATE NO. 3 - WILDLIFE SEED MIX
PERMANENT SEED APPLICATION RATES		
Seed 1	EROMX - 260 PA Piedmont Province UPL Mts	20 pounds per acre
	26% Indiangrass	
	28% Little Bluestem	
	20% Amphib Widge	
	10% Big Bluestem	
	7% Purpletop	
	3% Setchgrass	
	4% Deerfootgrass	
	2% Purple Lovegrass	

NOTES

- 1 ALL SEED IS PURE LIVE SEED.
- 2 CONTRACTOR TO USE ALTERNATE SEED MIXTURES PER LANDOWNER REQUEST DOCUMENTATION PROVIDED BY MWP.

DATE	SCALE	REVISIONS:
CHECKED BY	DATE	DESCRIPTION
APPROVED BY	DATE	
DATE	SCALE	
SCALE	AS SHOWN	
SHEET NO.	020	OF 031

Mountain Valley
 GENERAL NOTES AND LEGEND
 MOUNTAIN VALLEY PIPELINE PROJECT - H800 LINE
 WETLAND COUNTY THROUGH WETLAND COUNTY, WEST VIRGINIA
 MOUNTAIN VALLEY PIPELINE, LLC
 650 SOUTHWEST COLLEGE BLVD, SUITE 280
 CHARLESTON, PA 15017

TETRA TECH
 CONSULTING ENGINEERS
 851 ANDERSON DRIVE
 FOSTER PLAZA 3
 PITTSBURGH, PA 15220

CONSTRUCTION PLANS

THIS DRAWING IS THE PROPERTY OF TETRA TECH CONSULTING ENGINEERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TETRA TECH CONSULTING ENGINEERS.



George Eidel <doddridgecountyfpm@gmail.com>

Mountain Valley Floodplain Permit Renewal

11 messages

Hoover, Matthew S. <MHoover@equitransmidstream.com>
To: George Eidel <doddridgecountyfpm@gmail.com>

Tue, Mar 9, 2021 at 10:10 AM

Good Morning George,

Hope all is well! I was hoping Mountain Valley could extend the Doddridge County Floodplain Permit. We anticipate resuming construction within the next several months.

Please see the attached permit.

Matt Hoover

Environmental Permitting Supervisor

2200 Energy Drive, 2nd Floor

Canonsburg, PA 15317

Office: (724) 873-3009

Cell: (412) 258-5627

 **Doddridge County Floodplain Approval 02.26.20.pdf**
63K

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Tue, Mar 9, 2021 at 2:39 PM

Matt,

Are you just extending it 90 days or are you renewing it for another year?

[Quoted text hidden]

--

George C. Eidel, CFM, OEM Director/Floodplain Manager

Doddridge County Office of Emergency Management

101 Church Street Suite 102

West Union, WV 26456-2095

Work Phone: 1-304-873-1343

Mobile Phone: 1-304-281-7407

Fax: 1-304-873-1840

doddridgecountyfpm@gmail.com

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Hoover, Matthew S. <MHoover@equitransmidstream.com>
To: George Eidel <doddridgecountyfpm@gmail.com>

Tue, Mar 9, 2021 at 4:35 PM

George,

Based on the projected schedule, can it be extended for another year?

[Quoted text hidden]

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Wed, Mar 10, 2021 at 7:42 AM

Matt,

We can do a renewal of the permit, you will have to send me the same permit application and fees. The permit will be given a new number, all permits are only good for a year.

George
[Quoted text hidden]

Hoover, Matthew S. <MHoover@equitransmidstream.com>
To: George Eidel <doddridgecountyfpm@gmail.com>

Wed, Mar 10, 2021 at 7:48 AM

Thanks George!
How much is the permit fee?

Thanks,
Matt

On Mar 10, 2021, at 7:43 AM, George Eidel <doddridgecountyfpm@gmail.com> wrote:

[Quoted text hidden]

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Wed, Mar 10, 2021 at 8:08 AM

As with the original permit it will be based on the cost of the project within the floodplain. Attached is the fee schedule
[Quoted text hidden]

 **2 NEW Floodplain Permit FEES.pdf**
107K

Hoover, Matthew S. <MHoover@equitransmidstream.com>
To: George Eidel <doddridgecountyfpm@gmail.com>

Mon, Mar 15, 2021 at 9:21 AM

Hey George – the check was sent out last week. It will probably show up on your desk by Wednesday. Please let me know when you receive it.

As always – thanks so much for your help! Enjoy your week.

[Quoted text hidden]

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Mon, Mar 15, 2021 at 10:44 AM

Matt,

I am out of town but will check with my assistant and let you know it was received

Sent from my iPhone

On Mar 15, 2021, at 9:21 AM, Hoover, Matthew S. <MHoover@equitransmidstream.com> wrote:

[Quoted text hidden]

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Mon, Mar 22, 2021 at 8:39 AM

Matt,

Good morning, have not gotten anything on this. Were you just doing a renewal?

[Quoted text hidden]

Hoover, Matthew S. <MHoover@equitransmidstream.com>
To: George Eidel <doddridgecountyfpm@gmail.com>

Mon, Mar 22, 2021 at 8:41 AM

Yes, just the renewal. I'll see what I can find out.

[Quoted text hidden]

George Eidel <doddridgecountyfpm@gmail.com>
To: "Hoover, Matthew S." <MHoover@equitransmidstream.com>

Mon, Mar 29, 2021 at 9:29 AM

Matt,

Good morning, I just got a check for a permit renewal from MVP,LLC in the amount of \$1,620.00. Is this for the renewal of your permit? If so I need a new permit sent, just a copy of the old one along with any other applicable permits you have.

George

On Tue, Mar 9, 2021 at 10:10 AM Hoover, Matthew S. <MHoover@equitransmidstream.com> wrote:

[Quoted text hidden]

[Quoted text hidden]