

16-419



Antero Resources
535 White Oaks Blvd.
Bridgeport, WV 26330
Office 304.842.4100
Fax 304.842.4102

February 18, 2016

Doddridge County Commission
Attn: George Eidel, Doddridge County Floodplain Manager
118 East Court Street, Room 102
West Union, WV 26456

Mr. Eidel:

Antero Midstream, LLC would like to submit a Doddridge County Floodplain permit application for our ***Buckeye Run Pipeline Slope Stabilization*** project. Our project is located in Doddridge County, Grant District at coordinates 39.295373N, 80.628718 W. Per the FIRM Map #54017C0145C, this location is **out** of the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- Design Plans
- WV Flood Tool Map
- FIRM Map
- Surface Owner Information

If you have any questions please feel free to contact me at (304) 842-4008.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Grzybek".

Rachel Grzybek
Environmental Specialist I
Antero Midstream, LLC

Enclosures



Buckeye Run P/L Slope Stab.

Permit# 16-419

Project Name: Antero

Permittees Name: _____

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

Brian A. Warren

DATE

3-8-16

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Antero Midstream, LLC		
Corporate Mailing Address: 1615 Wynkoop Street		
City: Denver	State: CO	Zip: 80202
Corporate Point of Contact (POC): Brian Guarneros		
Corporate POC Title: Director of Project Management Midstream Operations		
Corporate POC Primary Phone: 303-357-7310		
Corporate POC Primary Email:		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: www.anteromidstream.com		
Local Mailing Address: 535 White Oaks Blvd		
City: Bridgeport	State: WV	Zip: 26330
Local Project Manager (PM): Robert Wirks/Nathan Budge		
Local PM Primary Phone: Robert: 304-842-4401 / Nathan: 303-357-6880		
Local PM Secondary Phone:		
Local PM Primary Email:		
Person Filing Application: Rachel Grzybek		
Applicant Title: Environmental Specialist I		
Applicant Primary Phone: 304-842-4008		
Applicant Secondary Phone: 304-641-2396		
Applicant Primary Email: rgrzybek@anteroresources.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:

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

The purpose of this project is to stabilize a slip that is surrounding an existing pipeline.

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:		
Physical Address/911 Address:		
Decimal Latitude/Longitude:		
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

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 ____

Property Owner Data:		
Name of Primary Owner (PO): Please see attachments		
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: To be determined-request conditional approval		
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: Kelly Surveying		
Engineer WV License Number: 6051		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): John See		
Engineer Firm Primary POC Title: Project Manager		
Engineer Firm Mailing Address: P.O. Box 254		
City: Dailey	State: WV	Zip-Code: 26259
Engineer Firm Office Phone: 304-338-6985		
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): Please see attachments		
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.

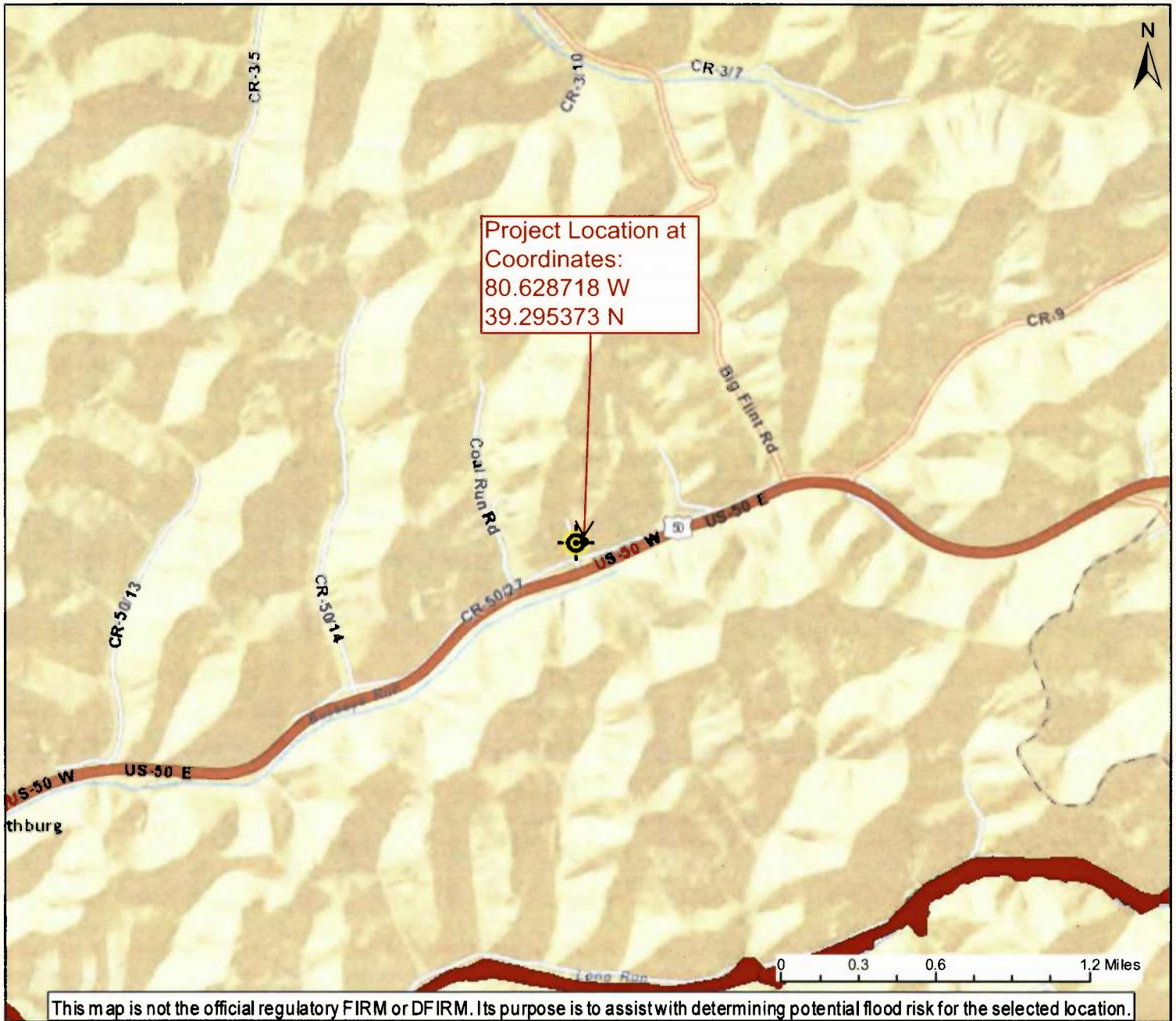
Applicant Signature: _____

Brian Guarneros Date: 3-8-16

Applicant Printed Name: _____

BRIAN GUARNEROS

WV Flood Map



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

User Notes:

- Flood Hazard Zone
- + Flood Point of Interest

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. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov. *WV Flood Tool* (<http://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

Map created on February 16, 2016

Flood Hazard Area:

Flood Hazard Area: Location is NOT WITHIN any identified flood hazard area. Unmapped flood hazard

FEMA Issued Flood Map: 54017C0145C

Watershed (HUC8): Little Musringum-Middle Island (5

Elevation: About 957 ft

Location (long, lat): (80.629233 W, 39.295352 N)

Location (UTM 17N): (531972, 4349618)

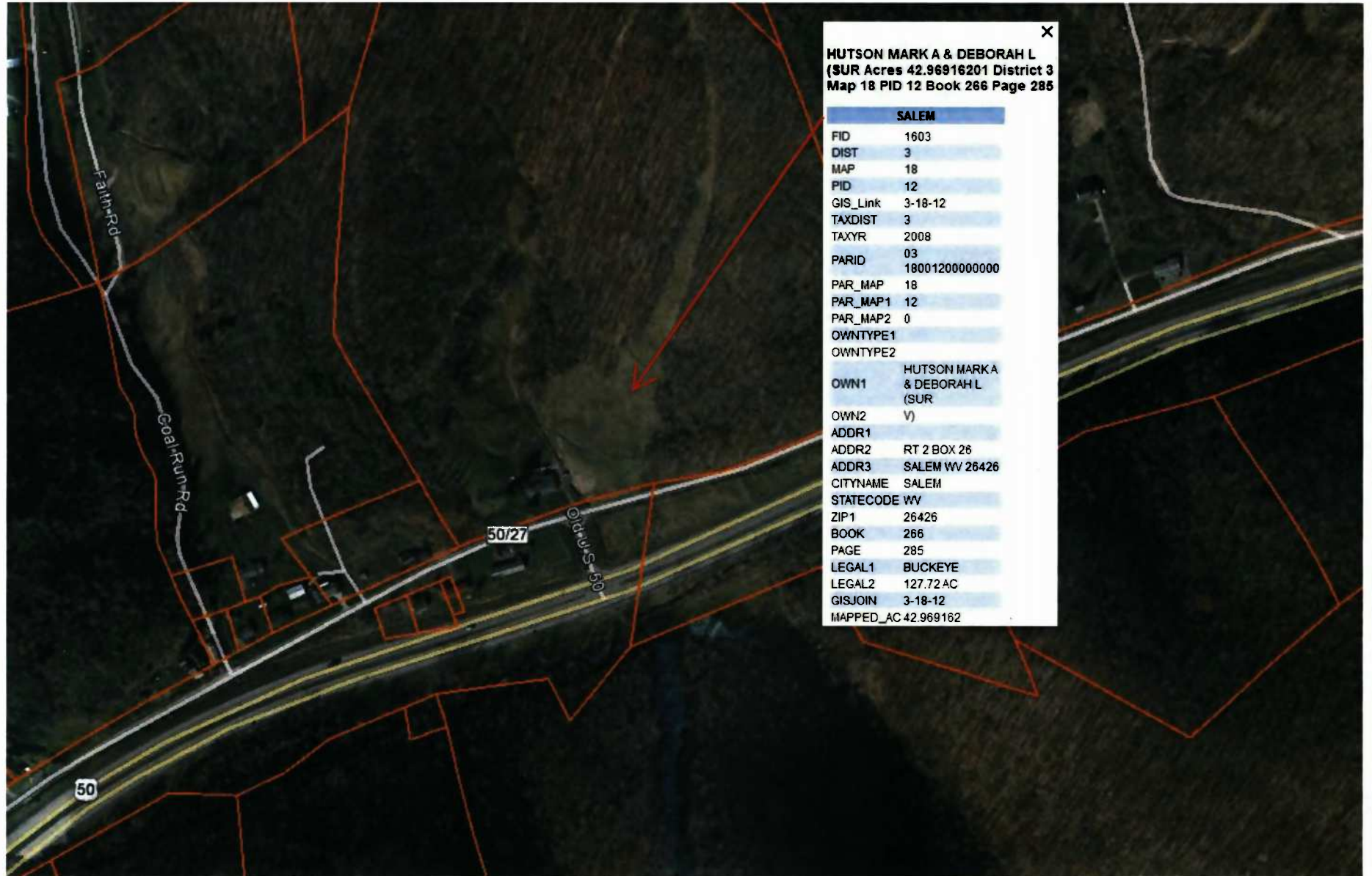
Contacts: Doddridge

CRS Information: N/A

Parcel Number:

Buckeye Run Pipeline Slope Stabilization:

Surface Owner Information



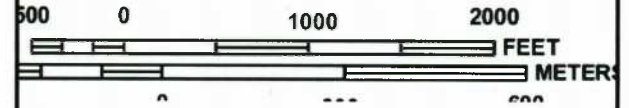
X

HUTSON MARK A & DEBORAH L
(SUR Acres 42.96916201 District 3
Map 18 PID 12 Book 266 Page 285

SALEM	
FID	1603
DIST	3
MAP	18
PID	12
GIS_Link	3-18-12
TAXDIST	3
TAXYR	2008
PARID	03
	18001200000000
PAR_MAP	18
PAR_MAP1	12
PAR_MAP2	0
OWNTYPE1	
OWNTYPE2	
OWN1	HUTSON MARK A & DEBORAH L (SUR
OWN2	V)
ADDR1	
ADDR2	RT 2 BOX 26
ADDR3	SALEM WV 26426
CITYNAME	SALEM
STATECODE	WV
ZIP1	26426
BOOK	266
PAGE	285
LEGAL1	BUCKEYE
LEGAL2	127.72 AC
GISJOIN	3-18-12
MAPPED_AC	42.969162



MAP SCALE 1" = 1000'



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0145C

FIRM
FLOOD INSURANCE RATE MAP
DODDRIDGE COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS

PANEL 145 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0145	C

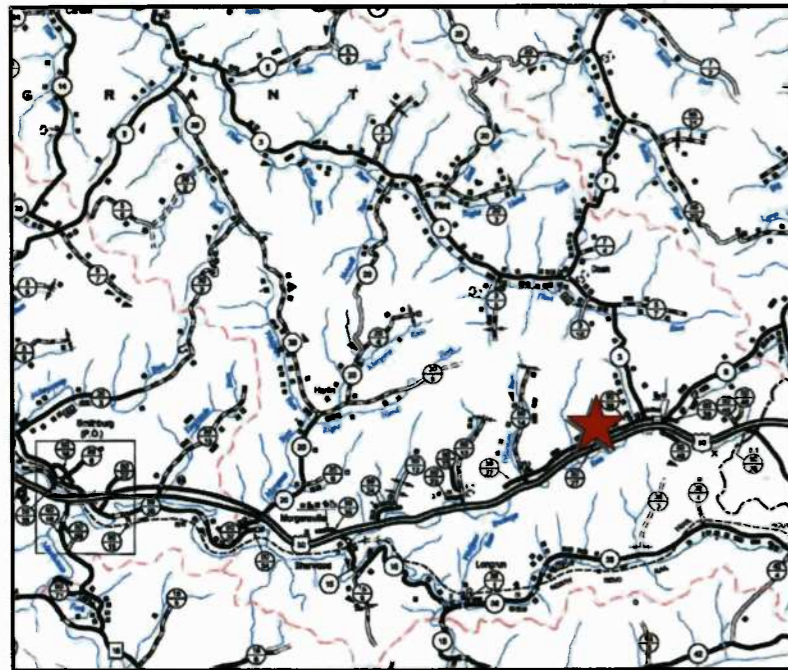
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
54017C0145C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



WVDOH HIGHWAY REFERENCE MAP
1 inch = 1 mile

ANTERO MIDSTREAM BUCKEYE RUN PIPELINE SLOPE STABILIZATION

GRANT DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA
SMITHBURG 7.5 MINUTE QUAD MAP



WV COUNTY REFERENCE MAP

GENERAL DESCRIPTION

BUCKEYE RUN PIPELINE SLOPE STABILIZATION

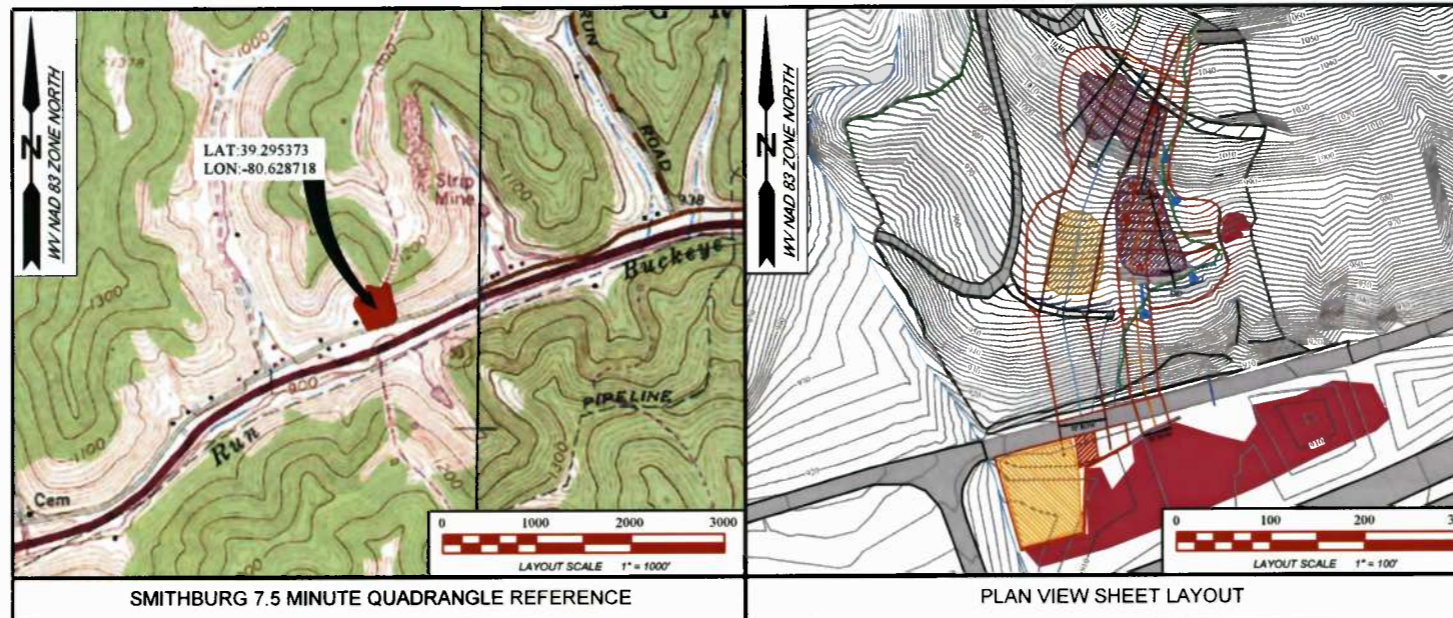
PROJECT CONTACTS

OPERATOR:

ANTERO MIDSTREAM
535 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE: (304) 842-4100
FAX: (304) 842-4102
www.anteroremidstream.com

PROJECT COORDINATOR:

ROBERT WIRKS
DESIGN MANAGER
PHONE: (304) 842-4100
CELL: (304) 627-7405
FAX: (304) 842-4102
EMAIL: rwirks@anteroresources.com



SMITHBURG 7.5 MINUTE QUADRANGLE REFERENCE

PLAN VIEW SHEET LAYOUT

ENGINEER / SURVEYOR

KELLY SURVEYING PLLC.
P.O. BOX 254
DAILEY, WV 26259
PHONE: (304) 338-6985
FAX: (304) 304-338-6081

PROJECT MANAGER

JOHN P. SEE PE 6051
KENNETH KELLY PSSU 973
ZACK SUMMERFIELD EIT

WEST VIRGINIA PUBLIC CORPORATION SYSTEM
REPRODUCTION OF THIS MAP IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF KELLY SURVEYING PLLC.

NO.	INDEX TO SHEETS
COVER	COVER
1	SITE PLAN VIEW
2	DETAILS
3-7	PROFILE SHEETS
8	SCHEDULE OF VOLUMES & QUANTITIES

Floodplain Conditions	
Do site construction activities take place in a floodplain:	NO
Permit needed from county floodplain coordinator:	NO
Flood Hazard Zone	NO
HEC-RAS Study completed:	N/A
Floodplain shown on drawings:	N/A
FIRM Map Number(s) for site:	54017C0145C
Acres of construction in floodplain:	N/A

Kelly Surveying
P.O. Box 254
Dailey, WV 26259
(304) 338-6985

REVISIONS	DATE



THIS DOCUMENT
PREPARED FOR
ANTERO
MIDSTREAM

COVER SHEET
BUCKEYE RUN PIPELINE
SLOPE STABILIZATION
GRANT DISTRICT,
DODDRIDGE COUNTY, WEST VIRGINIA











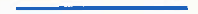




















Date: 12/11/2015
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File No.: COVER.dwg
Page: COVER

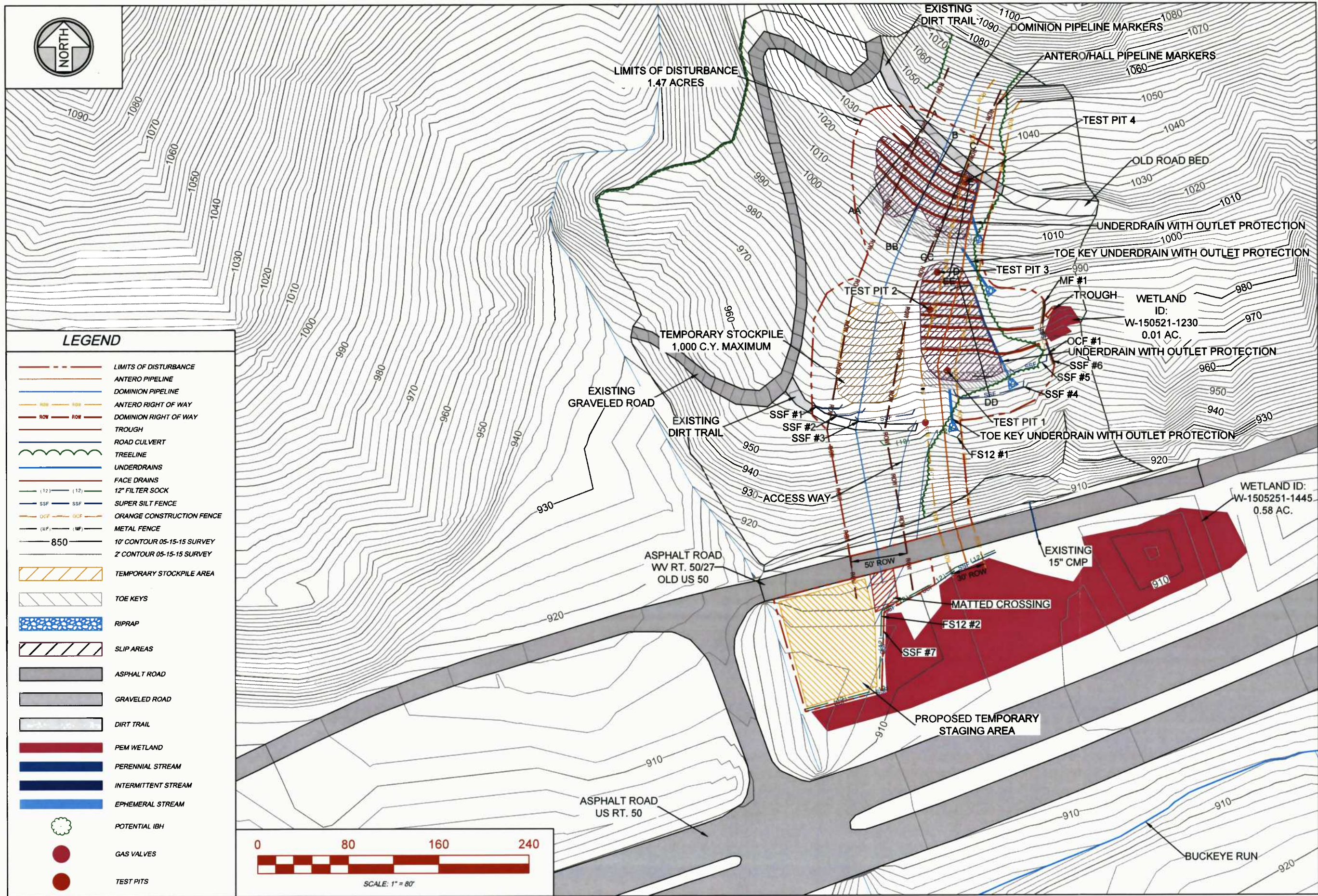
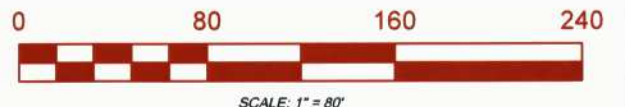
MISS UTILITY OF WEST VIRGINIA
1-800-245-4848
West Virginia State Law
Section XIV, Chapter 24-C requires
that you call two business days
before
you dig in the state of West Virginia.
IT'S THE LAW

Know what's below.
Call before you dig.



LEGEND

-  LIMITS OF DISTURBANCE
-  ANTERO PIPELINE
-  DOMINION PIPELINE
-  ANTERO RIGHT OF WAY
-  DOMINION RIGHT OF WAY
-  TROUGH
-  ROAD CULVERT
-  TREELINE
-  UNDERDRAINS
-  FACE DRAINS
-  12" FILTER SOCK
-  SUPER SILT FENCE
-  ORANGE CONSTRUCTION FENCE
-  METAL FENCE
-  850
-  10' CONTOUR 05-15-15 SURVEY
-  2' CONTOUR 05-15-15 SURVEY
-  TEMPORARY STOCKPILE AREA
-  TOE KEYS
-  RIPRAP
-  SLIP AREAS
-  ASPHALT ROAD
-  GRAVELED ROAD
-  DIRT TRAIL
-  PEM WETLAND
-  PERENNIAL STREAM
-  INTERMITTENT STREAM
-  EPHEMERAL STREAM
-  POTENTIAL IBH
-  GAS VALVES
-  TEST PITS

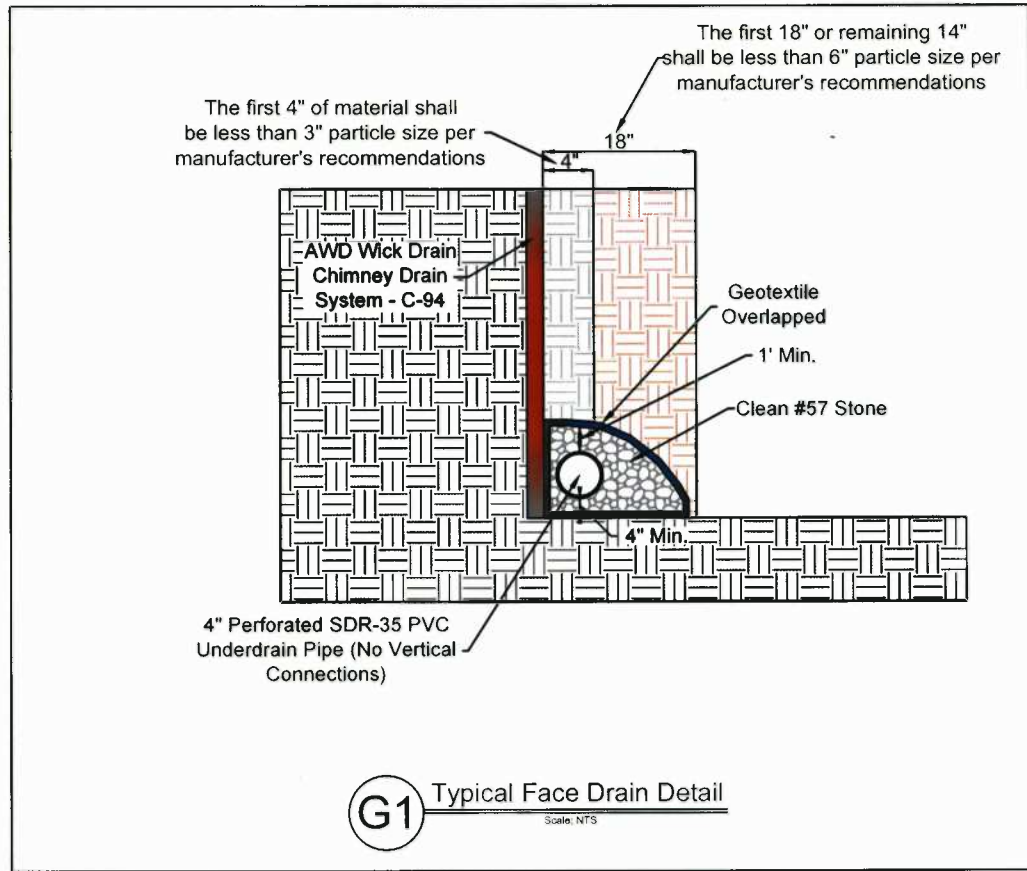


REVISIONS

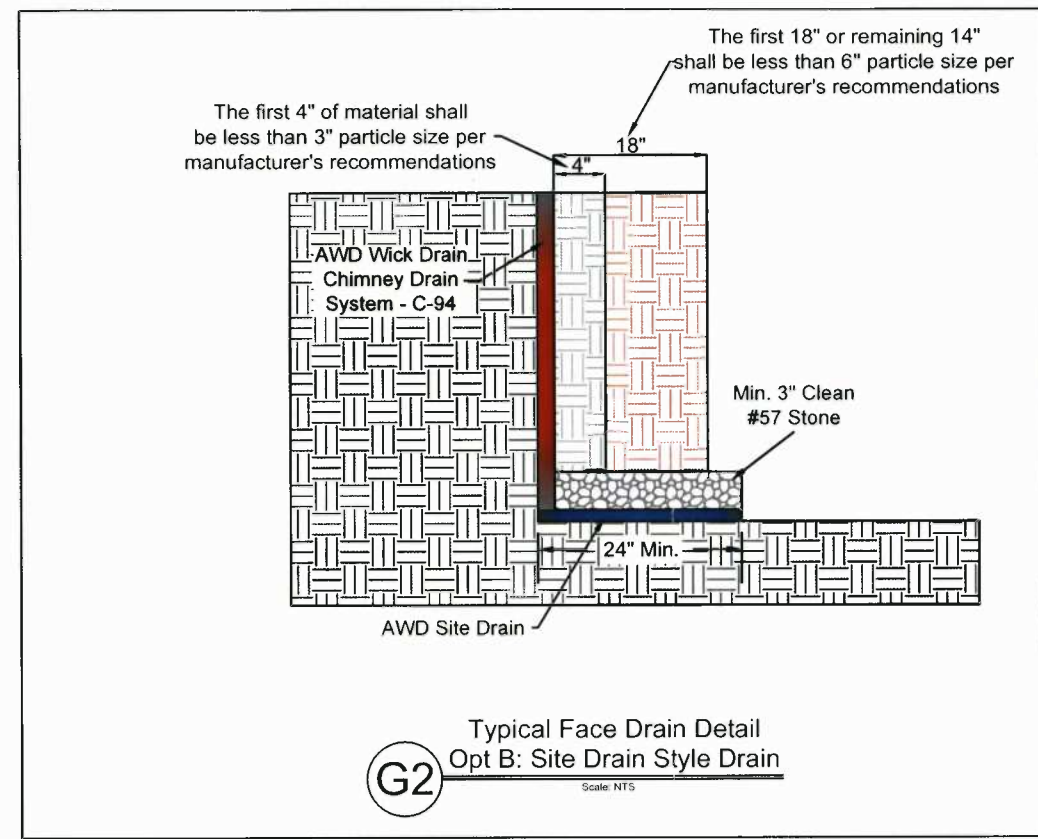
DATE

THIS DOCUMENT
 PREPARED FOR
 ANTERO
 MIDSTREAM

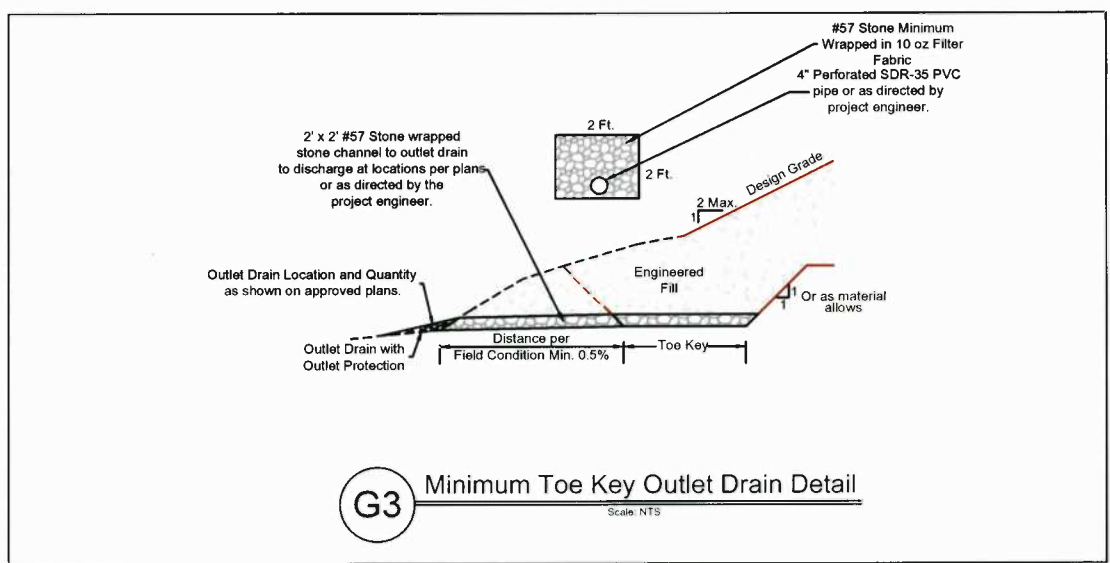
PLAN VIEW
 BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION
 GRANT DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA



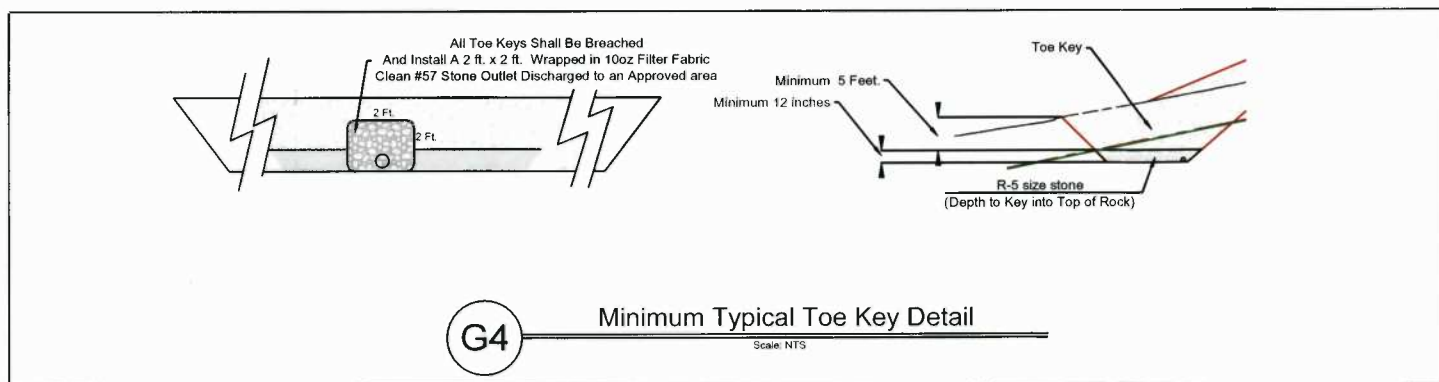
G1 Typical Face Drain Detail
Scale: NTS



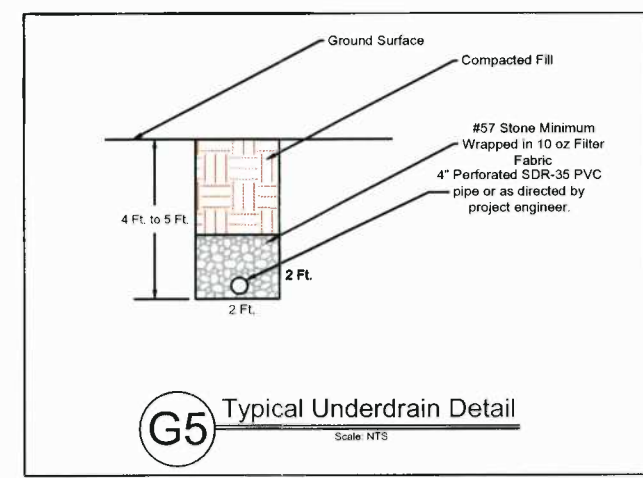
G2 Typical Face Drain Detail
Opt B: Site Drain Style Drain
Scale: NTS



G3 Minimum Toe Key Outlet Drain Detail
Scale: NTS



G4 Minimum Typical Toe Key Detail
Scale: NTS



G5 Typical Underdrain Detail
Scale: NTS

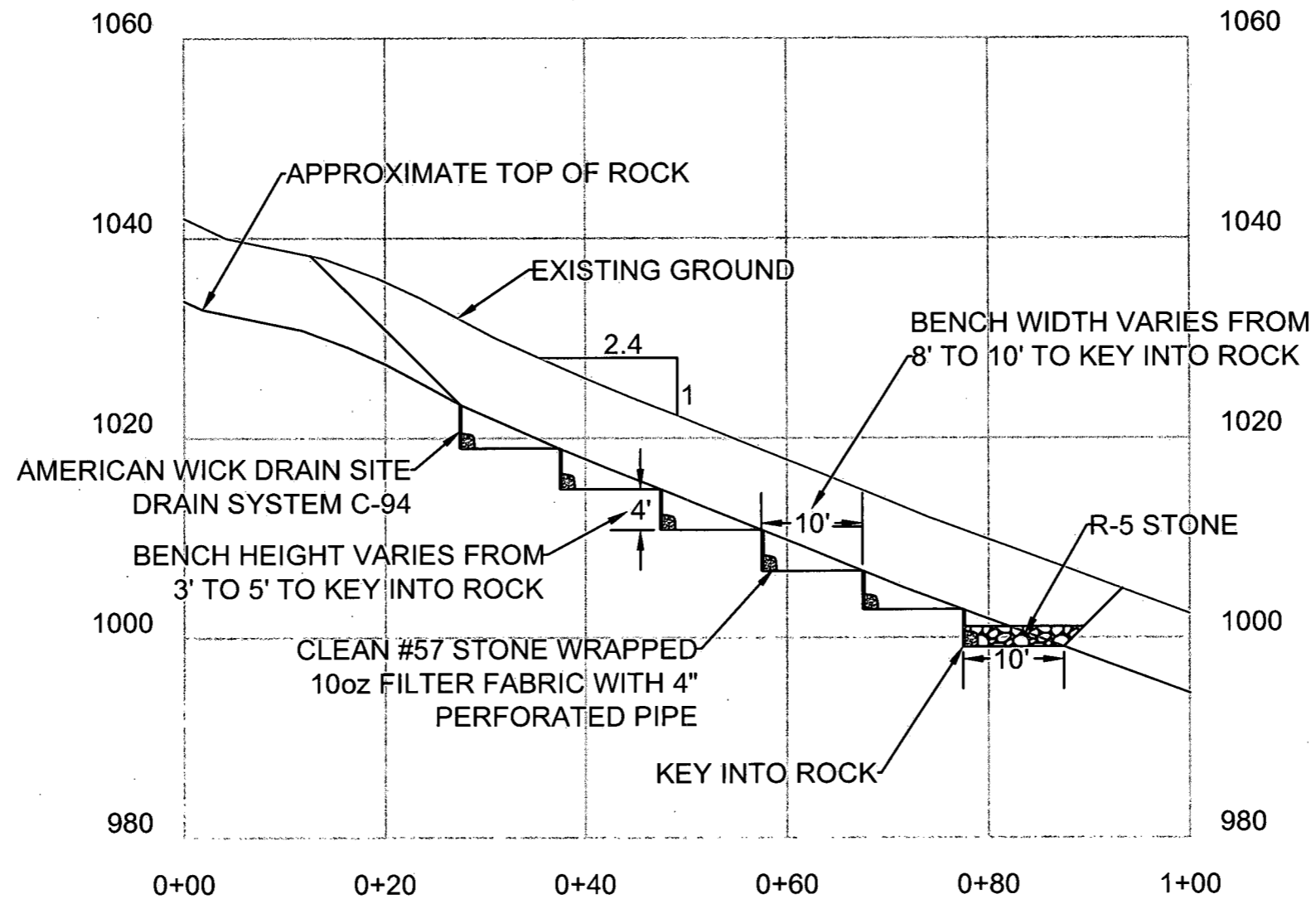
REVISIONS	DATE

THIS DOCUMENT PREPARED FOR ANTERO MIDSTREAM

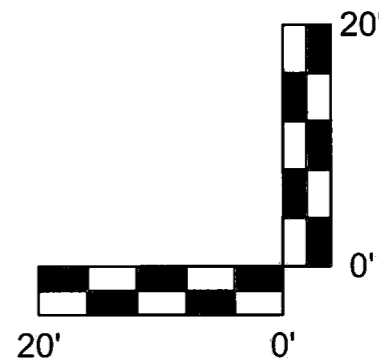
DETAILS

BUCKEYE RUN PIPELINE

GRANT DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA



PROFILE A - AA



Date: 12/11/2015
 Scale: 1" = 20'
 Designed By: KW
 File No. Buckeye Run Pipeline Plan.dwg
 Page 3 of 8

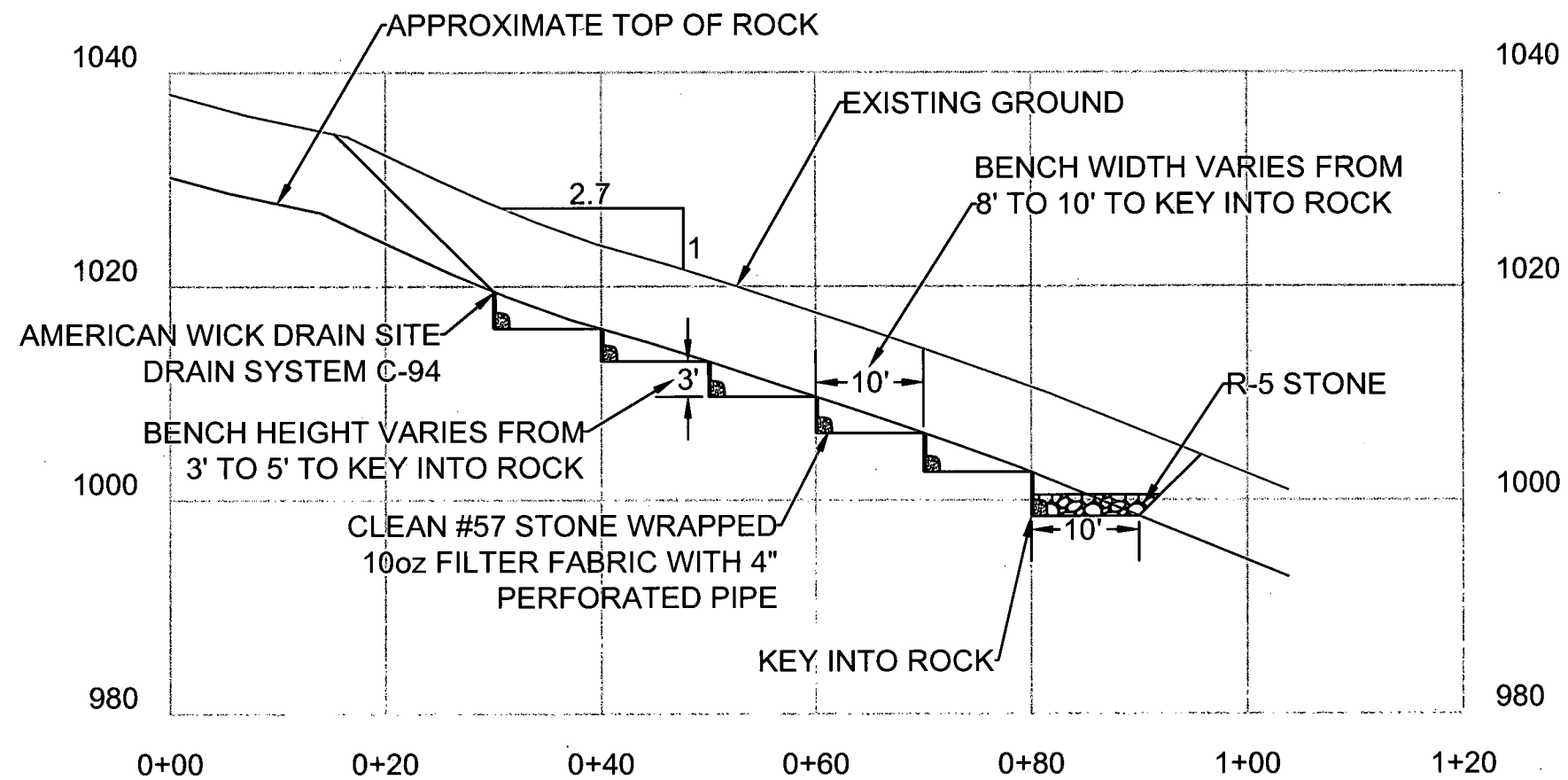
PROFILE A - AA
**BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION**
 GRANT DISTRICT, DODDRIDGE COUNTY, WV

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 MIDSTREAM

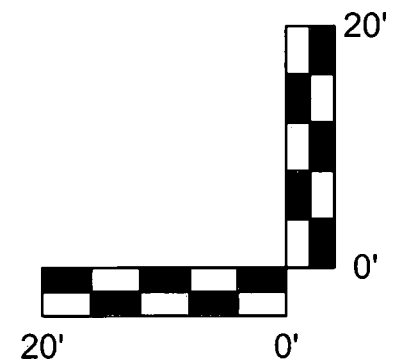


DATE	REVISIONS

Kelly Surveying
 P.O. Box 254
 Dailey, WV 26259
 (304)338-6985



PROFILE B - BB



Date: 12/11/2015
 Scale: 1" = 20'
 Designed By: KW
 File No. Buckeye Run Pipeline Plan.dwg
 Page 4 of 8

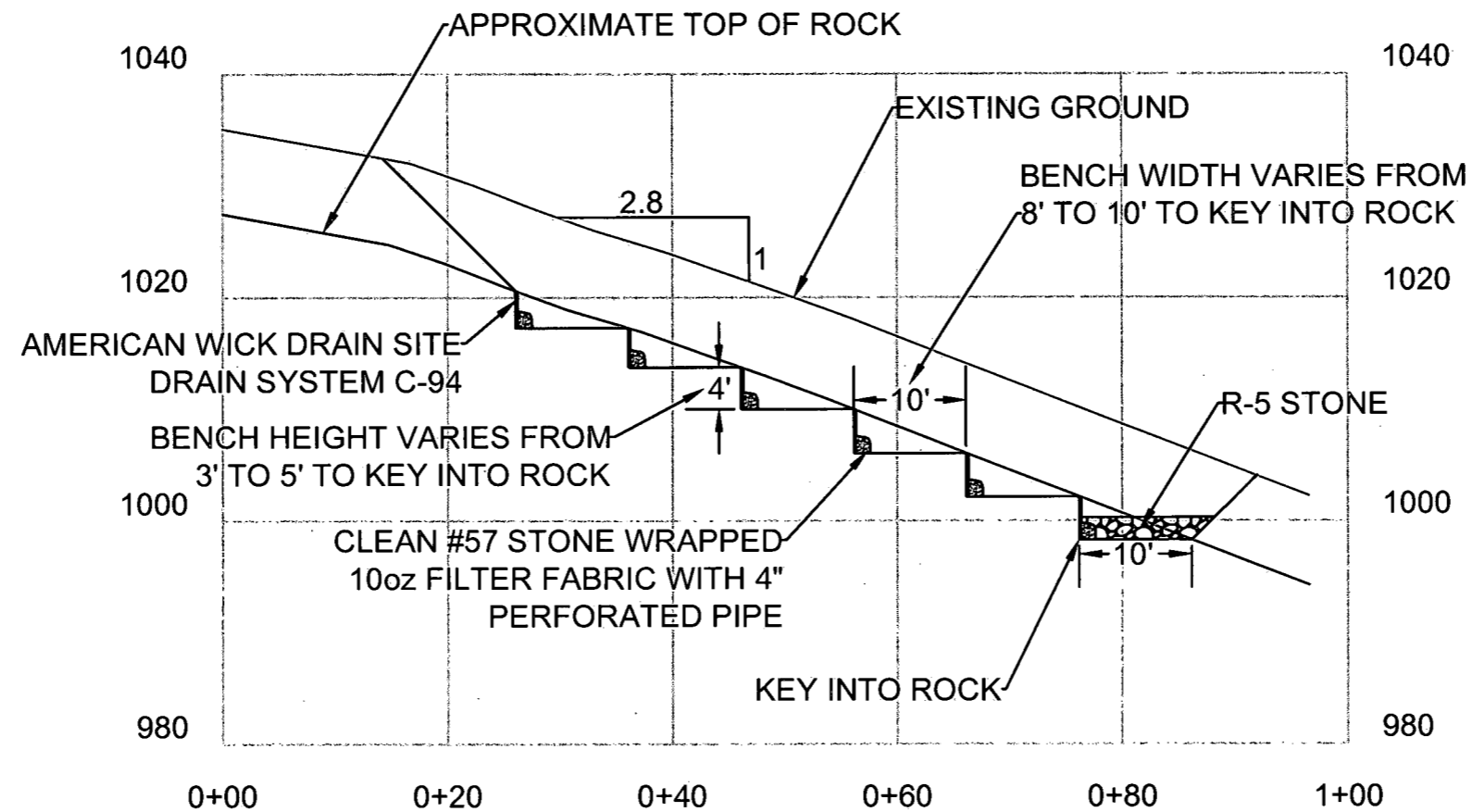
PROFILE B - BB
 BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION
 GRANT DISTRICT, DODDRIDGE COUNTY, WV

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 ANTERO
 MIDSTREAM

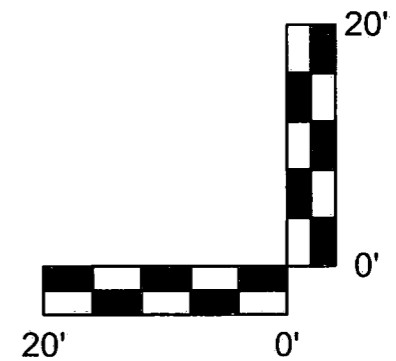


DATE	REVISIONS

Kelly Surveying
 P.O. Box 254
 Dailey, WV 26259
 (304)338-6985



PROFILE C - CC



Date: 12/11/2015
 Scale: 1" = 20'
 Designed By: KW
 File No. Buckeye Run Pipeline Plan.dwg
 Page 5 of 8

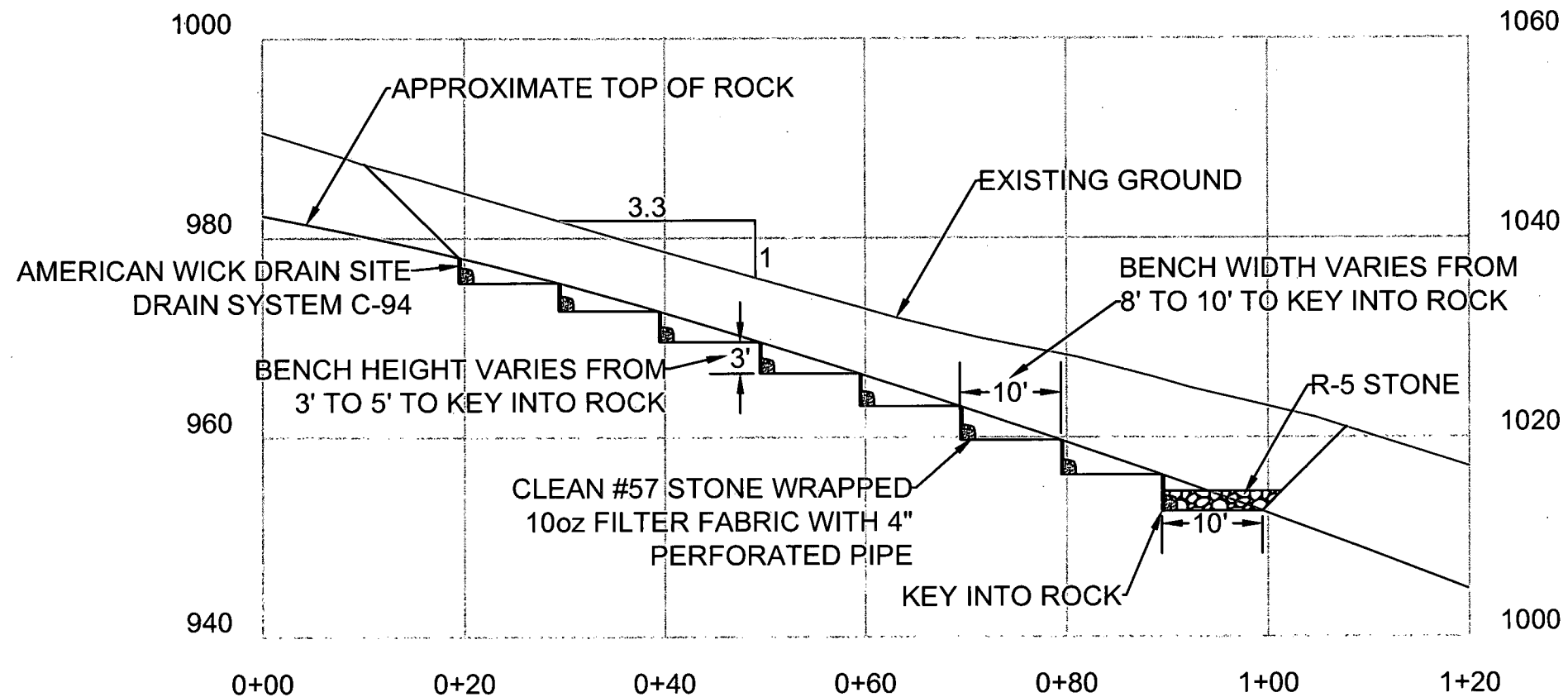
PROFILE C - CC
**BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION**
 GRANT DISTRICT, DODDRIDGE COUNTY, WV

THIS DOCUMENT
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 MIDSTREAM

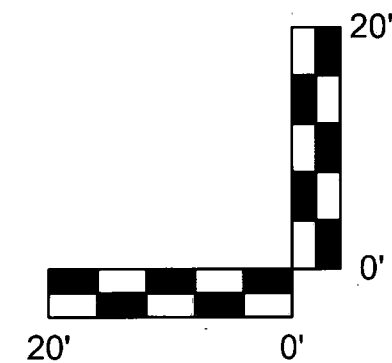


DATE	REVISIONS

Kelly Surveying
 P.O. Box 254
 Dailey, WV 26259
 (304)338-6985



PROFILE D - DD



Date: 12/11/2015
 Scale: 1" = 20'
 Designed By: KW
 File No. Buckeye Run Pipeline Plan.dwg
 Page 6 of 8

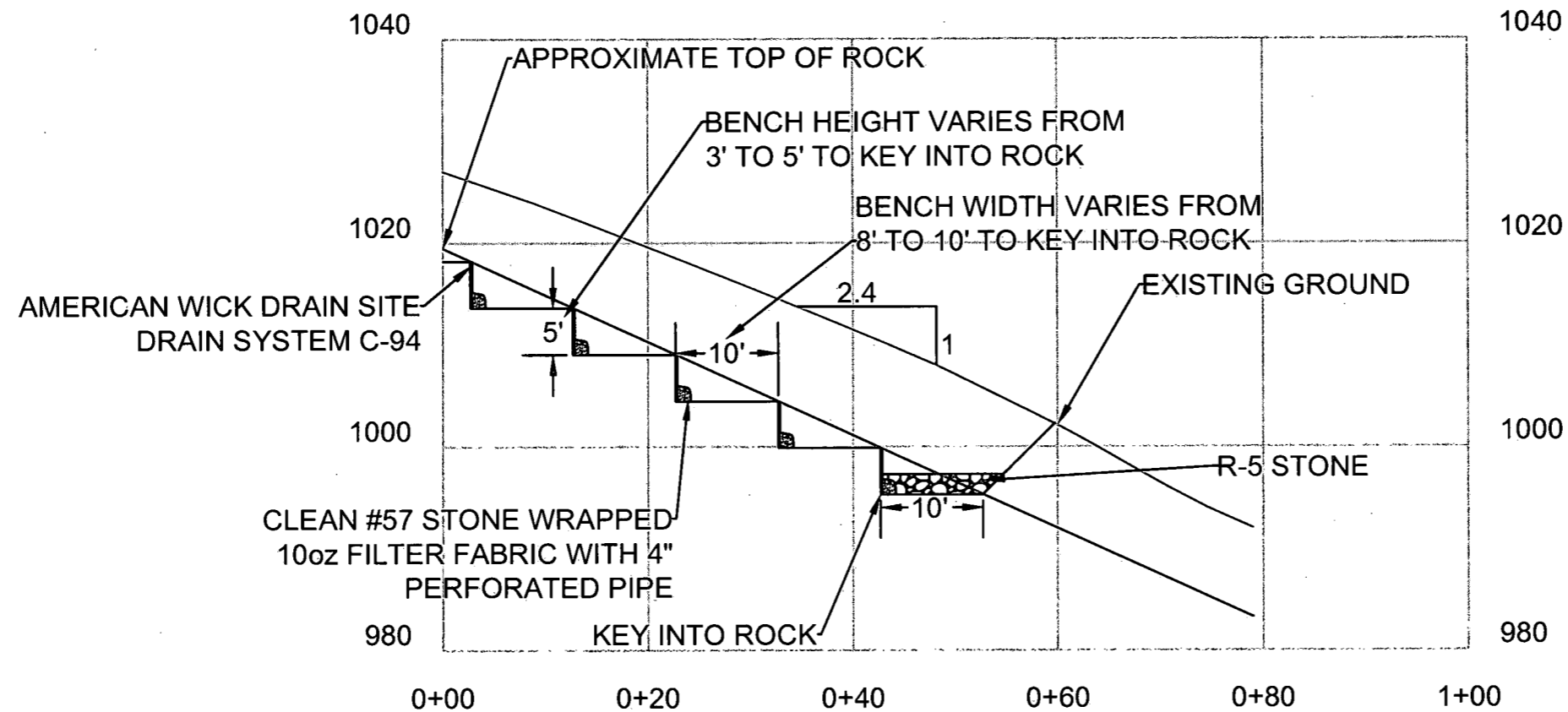
PROFILE D - DD
**BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION**
 GRANT DISTRICT, DODDRIDGE COUNTY, WV

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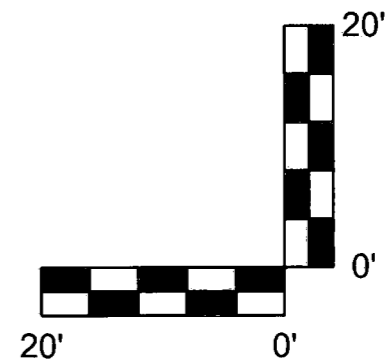


DATE	REVISIONS

Kelly Surveying
 P.O. Box 254
 Dailey, WV 26259
 (304)338-6985



PROFILE E - EE



Date: 12/11/2015
 Scale: 1" = 20'
 Designed By: KW
 File No. Buckeye Run Pipeline Plan.dwg
 Page 7 of 8

PROFILE E - EE
**BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION**
 GRANT DISTRICT, DODDRIDGE COUNTY, WV

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 MIDSTREAM



DATE	REVISIONS

Kelly Surveying
 P.O. Box 254
 Dailey, WV 26259
 (304)338-6985

Schedule of Quantities & Volumes

Earthwork

Volumes		
Existing Surface	*Cut	*Fill
Slip Area Material Rework	3,992.80 C.Y.	3,992.80 C.Y.

Face Drains		1049'
#57 Clean Stone		83.05 Tons
10 oz Filter Fabric		700 SY
4" Perforated SDR-35 PVC Pipe		1049 LF
AWD Wick Drain System - C-94		583 SY

Face Drains Options B Site Drain Style Drain		1049'
#57 Clean Stone		36.91 Tons
AWD Wick Drain System - C-94		583 SY
AWD Site Drain		234 SY

Underdrains		217'
#57 Clean Stone		67.19 Tons
10 oz Filter Fabric		217 SY
4" Perforated SDR-35 PVC Pipe		217 LF

Toe Key Drains		161'
R-5 Size Stone		225.13 Tons

Erosion & Sediment Controls

Super Silt Fence				545'
SSF #1	31'	SSF #5		41'
SSF #2	33'	SSF #6		58'
SSF #3	58'	SSF #7		253'
SSF #4	71'			

24" Filter Sock				330'
FS24 #1	78'	FS24 #2		252'

Metal Fence		58'
MF #1		58'

Orange Construction Fence		58'
OCF #1		58'

Seeding and Mulching		1.23 Acres

***NOTE:**

THE ACTUAL CROSS SECTIONS TO BE CONSTRUCTED WILL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BE DERIVED FROM APPLICATION OF THE TYPICAL CROSS SECTIONS SHOWN ON THE DESIGN DRAWINGS. EXISTING GROUND SURFACE AND ESTIMATED TOP OF ROCK LINES INDICATED ON THE DESIGN DRAWINGS CROSS SECTIONS AND/OR PLAN VIEW DRAWINGS ARE APPROXIMATE. THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED ON THE SITE MAY DIFFER FROM THE TYPICAL CROSS SECTIONS. THESE DIFFERENCES MAY BE SIGNIFICANT, AND IF SO, THE DESIGN CROSS SECTIONS MAY NOT REPRESENT THE ACTUAL WORK NECESSARY TO COMPLETE THE WORK TO BE PERFORMED UNDER THE SCOPE OF THE PROJECT.

Kelly S Surveying
 P.O. Box 254
 Daley, WV 26259
 (304)338-6985

REVISIONS
 DATE

Antero
 Midstream Partners LP

THIS DOCUMENT
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 ANTERO
 MIDSTREAM

SCHEDULE OF QUANTITIES & VOLUMES
 BUCKEYE RUN PIPELINE
 SLOPE STABILIZATION
 GRANT DISTRICT,
 DODDRIDGE COUNTY, WEST VIRGINIA

Date: 12/11/2015

Scale: NTS

Designed By: KW

File: Buckeye Run Pipeline Plan.dwg

Page 8 of 8

March 11, 2016

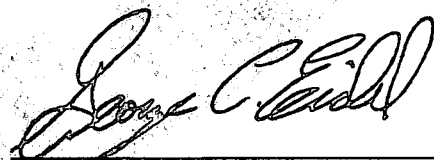
Antero Midstream Partners
Rachel Grzybek
535 White Oaks Blvd.
Bridgeport, WV 26333

Re: Permit # 16-419
Buckeye Run Pipeline Slope Stabilization

Dear Ms. Grzybek,

We have received your floodplain permit application and this project is **NOT** in the FloodPlain.

Work can begin immediately. We have issued the project a permit number #16-419, so it can be quickly identified. Thank you for your time sending these project applications to us to allow our office to maintain a comprehensive record of the work conducted in our county.



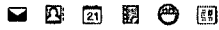
George Eidel, FloodPlain MGT.

Search box with 'Sent' dropdown and search icon

Search Mail

Search Web

Home



Compose

Sort by date

Navigation icons: back, forward, archive, move, delete, more

X

Inbox (192)

Drafts (6)

Sent

Archive

Spam (380)

Trash (80)

Smart Views

Important

Unread

Starred

People

Social

Shopping

Travel

Finance

Folders

Recent

Sponsored



Answers Genius Eyeliner Tricks You Need Right Now

Today

Michael Zorn 12:38 PM Flood Plain Permits --- Permit Application # 16-419 NOT

miri_beram@yahoo. 10:21 AM [No Subject] If you have a problem you need to

Last week

lhall@retnew.com Mar 17 floodplain #15-409 MOSA So17

February

Michael Zorn Feb 29 Flood Plain App Permit Application # 16-416 NOT

Michael Zorn Feb 29 flood plain Permit Application #16-415 HEP S

Michael Zorn Feb 25 Floodplain permit Permit Application# 16-414 Anter

January

JASPERGRIMMETT@ Jan 29 I-9 form

jaspergrimmnett@a Jan 28 I-9 form

Michael Zorn Jan 26 flood plain Permit Application # 16-412 EQM

Michael Zorn Jan 26 Flood Plain Permit Application # 16-413 NOT

Michael Zorn Jan 19 Floodplan Permit Permit Application # 16-410 CON

Michael Zorn Jan 4 Candidate Filing Starts COUNTY CLERK ANNOUNCES OFI

December

wildchildren3@yahc 12/09/15 [No Subject] Lorena Slater <blslater.4774@yah

robert.call@claytonl 12/09/15 Floodplain Dear Robert, The Floodplain tool i

Michael Zorn 12/04/15 Flood Permits so far this month Doddridge County Floodplain Per

November

Michael Zorn 11/24/15 last two permits for this week Permit Application # 15-404 EQT I

Michael Zorn 11/23/15 Floodplain permits as of know Doddridge County Floodplain Per

Michael Zorn 11/13/15

Flood Plain Permits ---

People

Lorena Slater <blslater.4774@yahoo.com>

Today at 12:38 PM

To: Michael Zorn

Permit Application # 16-419 NOT IN FLOODPLAIN Antero Midstream Partners Buckeye Run Pipeline Date Received - 03/01/16 Date Announced to Commission - 04/05/16 Publication Date - Week of 3/21/16 Description - Pipeline Slope Stabilization

Permit Application # 16-420 NOT IN FLOODPLAIN Monongahela Power Hugle Run 138 kV Transmission Line Project Date Received - 02/14/2016 Date Announced to Commission - 4/5/2016 Publication Date - Week of 3/21/16 Description - Transmission Lines

Permit Application # 16-421 EQT Production Company WEU4 Temporary Waterline Middle Island/Slaughter Run Area Date Received - 03/16/2016 Date Announced to Commission - 04/05/2016 Publication Date - Week of 3/21/16 Description - Temporary Waterline