

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to **Antero Resources**, and is for the approved commercial and/or industrial development project associated with this permit 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: #14-281 ~ Antero Resources ~
North Canton Connector Access Road 9**

Date Approved: 09/16/2014

Expires: N/A

Issued to: Antero Resources

**POC: Emily Kijowski
303-357-7310**

**Company Address: 1615 Wynkoop Street
Denver, CO 80202**

**Project Address: West Union District
Lat/Long: 39.413577N/80.727986W to 39.359729N/80.666031W**

Purpose of development: Access road construction. Project does not impact floodplain.

Issued by: Edwin L. "Bo" Wriston, Doddridge County FPM (or designee)

Date: 09/16/2014

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

Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the 11th day of September, 2014

Antero Resources

filed an application for a Floodplain Permit to develop land located at or about:

McElroy District

39.413577N/80.727986W to 39.359729N/80.666031W

Permit #14-281 North Canton Connector Access Road 9

(Note: This project is not within the floodplain)

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. As this project is outside the FEMA identified floodplain of Doddridge County, Doddridge County Floodplain Management has no regulatory authority.

Any interested persons who desire to comment shall present the same in writing by **October 6, 2014**, delivered to:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456

Beth A Rogers, Doddridge County Clerk

Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

#14-281

FILED

2014 SEP 11 PM 12:58



September 9, 2014

CLERK, RECORDS
COUNTY CLERK
DODDRIDGE COUNTY, WV

Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

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

Mr. Wriston:

Antero Resources Appalachian Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our North Canton Connector Access Road 9. Our project is located in Doddridge County, McElroy District and per the FIRM Maps #54017C0040C and #54017C0045C, this location is **not** within the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- FIRM Map
- Construction Plans
- WV Flood Tool Map

If you have any questions please feel free to contact me at (303) 357-7232.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Emily Kijowski".

Emily Kijowski
Permit Representative
Antero Resources Appalachian Corporation

Enclosures

**DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION**

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 _____



DATE September 9, 2014

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Antero Midstream LLC - Randy Kloberdanz,

ADDRESS: 1615 Wynkoop Street, Denver, CO 80202

TELEPHONE NUMBER: Contact Emily Kijowski: (303)-357-7232

BUILDER'S NAME: Antero Midstream LLC
ADDRESS: 1615 Wynkoop Strett, Denver, CO 80202
TELEPHONE NUMBER: (303)-357-7310

ENGINEER'S NAME: Kleinfelder
ADDRESS: 230 Executive Drive, Suite 122, Cranberry Township, PA 16066
TELEPHONE NUMBER: (304)-624-4108

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Surface Owner Table
ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Surface Owner Table

DISTRICT: _____

DATE/FROM WHOM PROPERTY

PURCHASED: _____

LAND BOOK DESCRIPTION: Please see Surface Owner Table

DEED BOOK REFERENCE: Please see Surface Owner Table

TAX MAP REFERENCE: Please see Surface Owner Table

EXISTING BUILDINGS/USES OF PROPERTY: None

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Please see Surface Owner Table

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

Property Owner Table - Doddridge County

Antero Midstream LLC - North Canton Pipeline to EQT Pipeline Project (North Canton Connector) - Access Road 9

Property Owner Name	Mailing Address	Parcel ID	Deed Book Reference	Land Book Description
PROPERTY OWNERS ABUTTING HOST PROPERTIES - OUTSIDE FLOODPLAIN				
Glaspell Shawn A	RT 2 BOX 230 WEST UNION WV 26456	5-11-34	Book 271, Page 230	MCELROY 265.27 AC SIX TRS RT.5 RIGGINS RUN RD.

ACTIVITY

STRUCTURAL TYPE

- | | | | |
|-------------------------------------|-------------------------|--------------------------|----------------------------------|
| <input checked="" 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 Altercation (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)
-

C. STANDARD SITE PLAN OR SKETCH

1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.
2. IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:
SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. SIGN AND DATE THE SKETCH.

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ N/A - Location is not within the floodplain

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).

NAME: N/A-No properties sharing an
ADDRESS: immediate and common boundary
up or down stream due to the
location not being in floodplain

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.

NAME: N/A-No properties sharing an
ADDRESS: immediate and common boundary
up or down stream due to the
location not being in floodplain

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

- (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
- (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
- (C) PUBLICATION.

- (D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
- (E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): _____

SIGNATURE:  _____ DATE: August 11, 2014

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: _____

Dated: _____

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located in Special Flood Hazard Area.
 FIRM zone designation _____
 100-Year flood elevation is: _____ NGVD (MSL)

Unavailable

The proposed development is located in a floodway.
 FBFM Panel No. _____ Dated _____

See section 4 for additional instructions.

SIGNED _____

DATE _____

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
- Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also _____

- Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
- Plans showing the extent of watercourse relocation and/or landform alterations.
- Top of new fill elevation _____ Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.
- Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
- Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

Other:

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity **(type is or is not)** in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED _____ DATE _____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? Yes No

Hearing Date: _____

County Commission Decision - Approved Yes No

CONDITIONS: _____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is _____ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is _____ FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE: _____ BY: _____
DEFICIENCIES ? Y/N

COMMENTS _____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE: _____ BY: _____

**CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)**

PERMIT NUMBER: _____

PERMIT DATE: _____

PURPOSE –

CONSTRUCTION LOCATION: _____

OWNER'S ADDRESS: _____

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY 21, 2013.**

SIGNED _____ **DATE** _____



Kleinfelder, Inc.
230 Executive Drive, Suite 122
Cranberry Township, PA 16066

September 8, 2014

Mr. Bo Wriston
Floodplain Coordinator
Doddridge County Commission
118 East Court Street
West Union, WV 26456

Re: Doddridge County Floodplain Development Permit Application
North Canton Pipeline to EQT Pipeline Project (North Canton Connector)—Temporary Access Road 9
Doddridge and Tyler Counties, West Virginia
Antero Midstream LLC

Dear Mr. Wriston:

Kleinfelder, Inc. (Kleinfelder) on behalf of Antero Midstream LLC (Antero) is facilitating environmental consultations for the North Canton Pipeline to EQT Pipeline (North Canton Connector) Project. On July 28, 2013, Floodplain Development Permit Number 14-208 was issued for the installation of the 7.86-miles of steel, natural gas pipeline near the town of Shirley in Doddridge and Tyler Counties, West Virginia. The northern terminus of the pipeline (39.413577°, -80.727986°) ties into the North Canton Pipeline. The southern terminus of the pipeline (39.359729°, -80.666031°) ties into the EQT Pipeline.

Since the issuance of the Floodplain Development Permit, the project Area of Interest (AOI) was expanded to include a temporary gravel access road (Access Road 9) that connects the pipeline to County Route 5 in Doddridge County at coordinates 39.398042°, -80.690027°. This expanded AOI was delineated by Kleinfelder on August 20, 2014. During the site review, no additional aquatic features were identified within the expanded AOI.

Based on the engineered design plans, the installation of the temporary gravel access road will not result in impacts to any jurisdictional features as none were identified within the expanded AOI. In addition, it will not involve any tree clearing or earth disturbance activities and it will be removed at project completion and restored to original site conditions.

No part of the temporary access road will cross a designated Federal Emergency Management Administration regulated flood zone according to FIRM Map #54017C0040C and #54017C0045C within Doddridge County.

Directions to the Site: From Smithburg, WV: Head southwest on Smithbury Street toward Smithton Road. Take the 1st right onto Smithton Road for 1.9 miles. Turn right onto CR 5/Rock Run Road for 5.3 miles. Turn left onto Big Flint Road for 4.2 miles. Turn right onto WV-23E for 3.1 miles. Turn right onto Riggins Run and the Access road entrance will be 0.2 miles on the left.

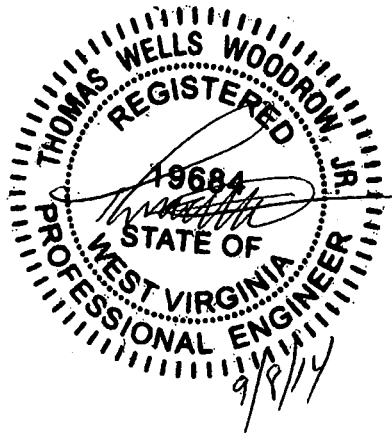
We appreciate your timely review of these materials. Please contact me at (724) 831-5129 with any questions or concerns.

Respectfully submitted,
Kleinfelder, Inc.



Thomas Woodrow, PE
Senior Project Manager

Attachments



STATE OF WEST VIRGINIA,
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE
HERALD RECORD, a weekly newspaper
published regularly, in Doddridge County,
West Virginia, Do Hereby Certify
That the Accompanying Legal Notice
Entitled:

Floodplain Permit
14-281

was published in said paper for ... *2*

successive weeks beginning with the issue
of ... *September 16th* 2014 and
ending with the issue of

... *September 23rd* 2014 and

that said notice contains ... *189*

WORD SPACE at ... *115* ... cents a word

amounts to the sum of \$... *21.74*

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$... *16.31*

and each publication thereafter
\$... *38.05* TOTAL

EDITOR

Virginia Nicholson

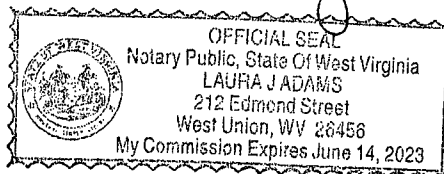
SWORN TO AND SUBSCRIBED

BEFORE ME THIS THE ... *23rd* ... DAY

OF ... *September* ... 2014

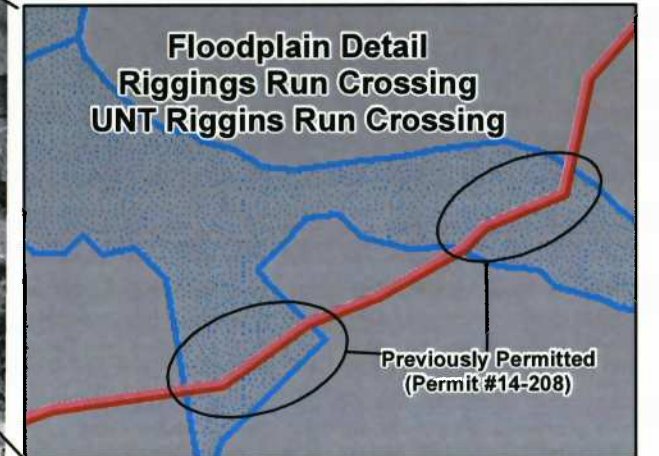
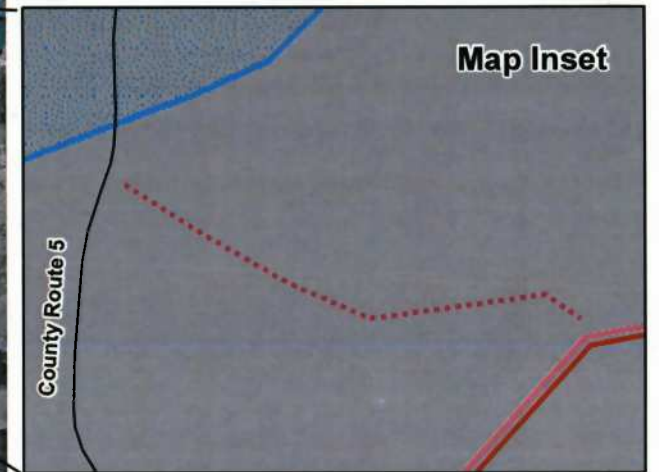
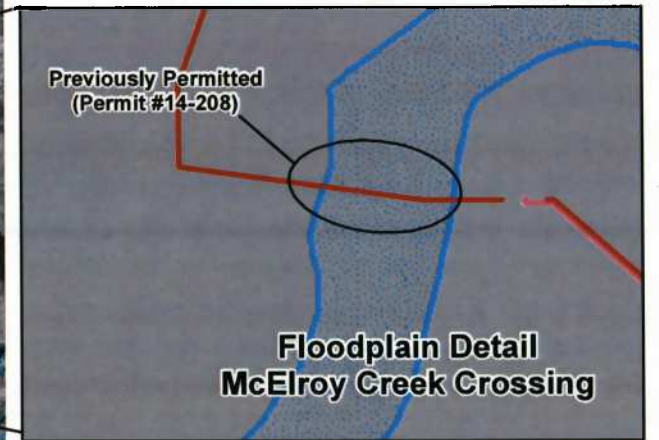
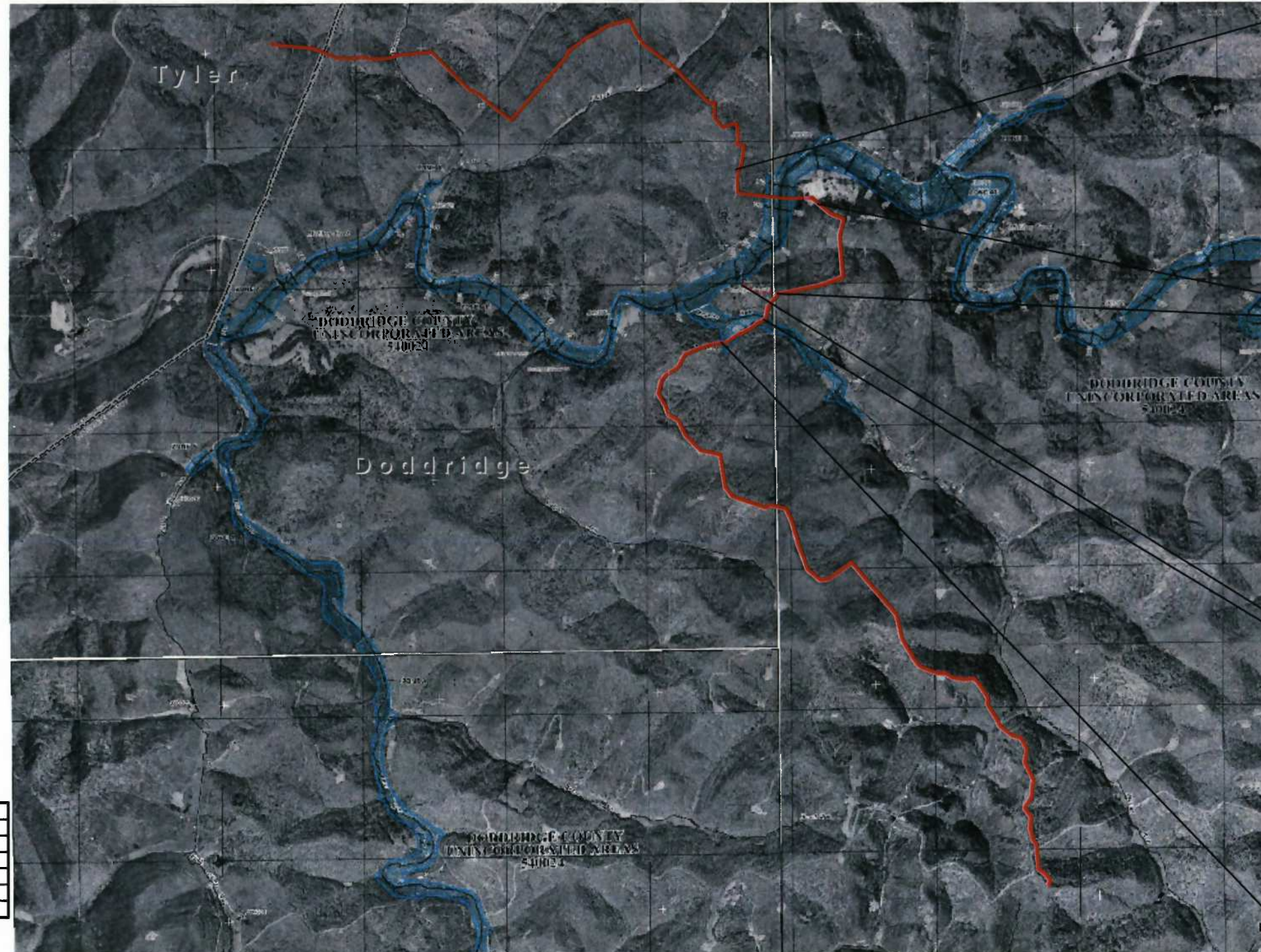
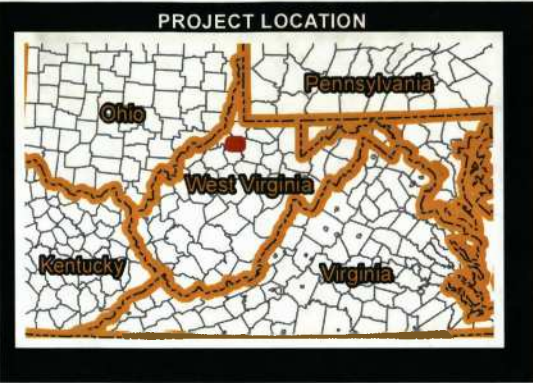
NOTARY PUBLIC

Laura J Adams



LEGAL ADVERTISEMENT
Doddridge County
Floodplain Permit Application
Please take notice that on the 11th day of September,
2014 Antero Resources filed an application for a
Floodplain Permit to develop land located at or about:
McElroy District 39 413577N/80-727986W to
39:359729N/80:666031W Permit #14-281 North Canton
Connector Access Road 98 (Note: This project is not
within the floodplain) The Application is on file with the
Clerk of the County Court and may be inspected or
copied during regular business hours. As this project is
outside the FEMA identified floodplain of Doddridge
County, Doddridge County Floodplain Management has
no regulatory authority. Any interested persons who
desire to comment shall present the same in writing by
October 6, 2014.
Delivered to the
Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A. Rogers, Doddridge County Clerk
Edwin L. Bon Wriston, Doddridge County Flood Plain
Manager
Phone: 304-770-2121 Fax: 304-770-2120
www.doddridgecounty.org

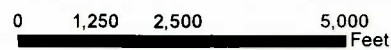
**NORTH CANTON CONNECTOR
ACCESS ROAD 9
FEMA FIRM 54017C0040C & 54017C0045C
ANTERO MIDSTREAM LLC**



SITE LOCATIONS - ACCESS ROAD NAD 83		
Eastern Terminus (UTM Meters)	N=526935.7 m	E=4360926.0 m
Western Terminus (UTM Meters)	N=526696.7 m	E=4360993.1 m
	LATITUDE	LONGITUDE
Eastern Terminus	39.397412	-80.687178
Western Terminus	39.398024	-80.689950

**MCCLELLAN AND MCELROY DISTRICTS,
DODDRIDGE AND TYLER COUNTIES, WV
LITTLE MUSRINGUM-MIDDLE ISLAND WATERSHED**

FLOODPLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	NO
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	YES
FIRM MAP NUMBER (S) FOR SITE:	54017C0040C & 54017C0045C
ACREAGE OF CONSTRUCTION IN FLOODPLAIN:	N/A



Legend

- North Canton Connector Access Road 9 (0.16 mi)
- Proposed 20" Alignment (7.86 mi)
- Proposed 16" Alignment (4.68 mi)
- FEMA Floodplain
- County Boundary

Base Map: ESRI Online Map,
USGS 7.5' Smithburg and
Center Point Quadrangles

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfielder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the user.

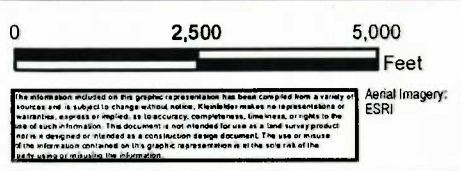
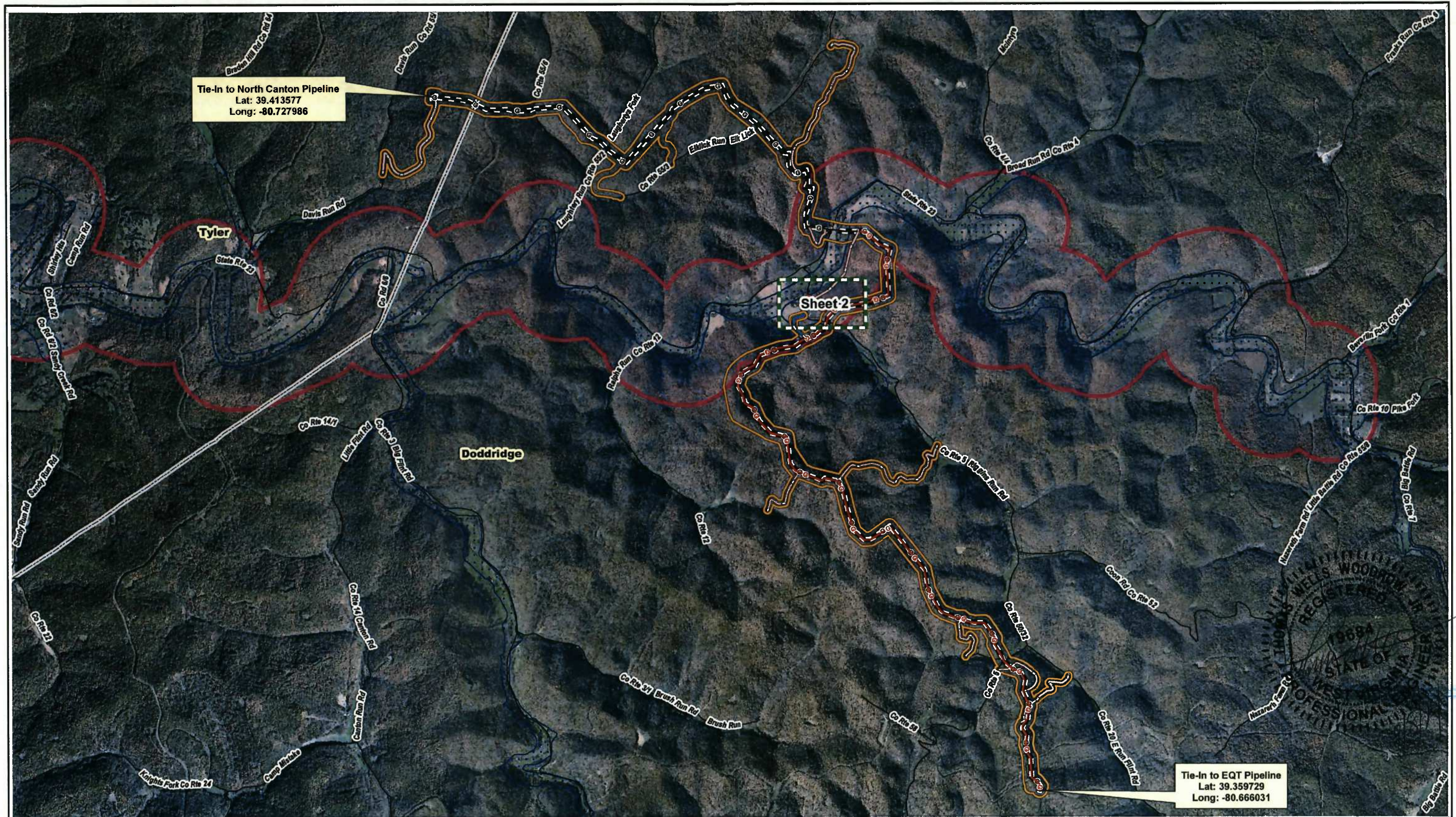


PROJECT NO.	139198
DRAWN:	9/4/2014
DRAWN BY:	A.Leonard
CHECKED BY:	N.Peace
FILE NAME:	NorthCantonConnectorARR_FEMA_v1.mxd

Antero Midstream LLC
North Canton Connector
Access Road 9
Doddridge and Tyler Counties
West Virginia
Flood Insurance Rate Map

FIGURE

1



- Proposed 20" Alignment (7.86 mi)
- Proposed 16" Alignment (4.68 mi)
- AOI (525.32 ac)
- Temporary Access Road AOI (3.44 ac)
- LOD (95.20 ac)
- Proposed Access Road
- Proposed Access Road (Previously Permitted)
- Existing Road
- County Boundary
- FEMA Flood Zone A
- USFWS Aquatic Buffer
- Sheet Index



PROJECT NO.	139198
DRAWN:	9/3/2014
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	NCC_WDSIR_AR9_Amend.mxd

Design Drawings

North Canton Connector
 Temporary Gravel Access Road 9
 Antero Midstream LLC
 Doddridge & Tyler Counties, WV

FIGURE
1
 Sheet 1 of 2



No Aquatic Features
Delineated Within
Access Road AOI

Proposed Temporary
Gravel Access Road 9

Proposed Temporary
Gravel Access Road 10



The information indicated on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a final survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the user using or misusing the information.

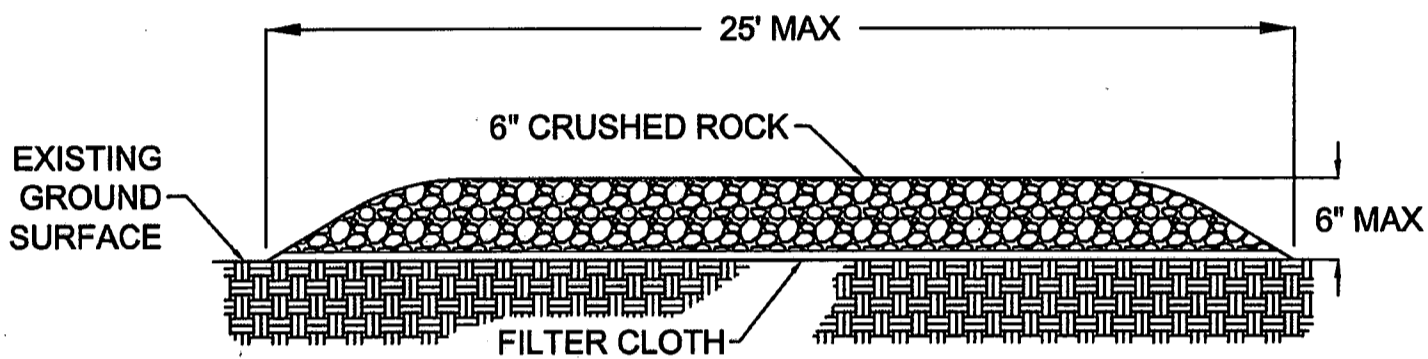
- Proposed 20" Alignment (7.86 mi)
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- AOI (525.32 ac)
- Temporary Access Road AOI (3.44 ac)
- LOD (95.20 ac)
- Proposed Access Road
- Proposed Access Road (Previously Permitted)
- Existing Road
- Delineated PEM Wetland
- Delineated Pond
- Delineated Perennial Stream
- Delineated Intermittent Stream
- Delineated Ephemeral Stream
- Drainage Feature
- FEMA Flood Zone A



PROJECT NO.	139198
DRAWN:	9/3/2014
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	NCC_WDSIR_AR9_Amend.mxd

Design Drawings
North Canton Connector
Temporary Gravel Access Road 9
Antero Midstream LLC
Doddridge & Tyler Counties, WV

FIGURE
1
Sheet 2 of 2



CROSS SECTION

CONSTRUCTION SPECIFICATIONS:

1. PLACE THE 6 INCH CRUSHED ROCK ON FILTER CLOTH AND SMOOTH IT.

MAINTENANCE:

1. MAINTAIN THE GRAVEL ROAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.



1 TEMPORARY GRAVEL ACCESS ROAD
NTS

	PROJECT NO. 139198	TEMPORARY GRAVEL ACCESS ROAD NORTH CANTON CONNECTOR	DETAIL 1
	DATE: 09-04-14		
	DRAWN BY: MDI	ANTERO MIDSTREAM LLC NORTH CANTON CONNECTOR DODDRIDGE & TYLER COUNTIES, WV	
	CHECKED BY: JBC		
	FILE NAME: DETAIL SHEETS.dwg		