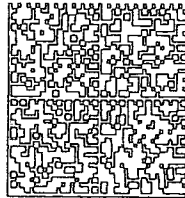


Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

**CERTIFIED MAIL™**



7014 0150 0001 7356 8969



HASLER	015H14161808	US POSTAGE
	\$6.48	
	10/07/14	
Mailed From 26456		



#14-282  
Edison I Crawford  
HC 67 Box 122-A  
West Union, WV 26456

*14305 Rt 23 W*

NIXIE 250 D2 1700 0010/27/14

RETURN TO SENDER  
UNCLAIMED  
UNABLE TO FORWARD

BC: 26456126299 \*1771-11009-27-19

26456@1262

*10/8/14*  
1ST NOTICE  
2ND NOTICE *10-14*  
RETURN *10-23*

2014 OCT 28 AM 10:52

ETH A. ROBERTS  
COUNTY CLERK  
RIDGECOUNTY, WV



OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Edison I Crawford  
 HC 67 Box 122-A  
 West Union, WV 26456

2. Article Number  
(Transfer from service label)

7014 0150 0001 7356 8969

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

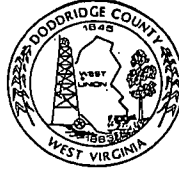
A. Signature  Agent  
 X  Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)  Yes



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT ~~McElroy~~ District

39.395695N/80.691190W

Permit #14-282 North Canton Connector Access Road 10

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

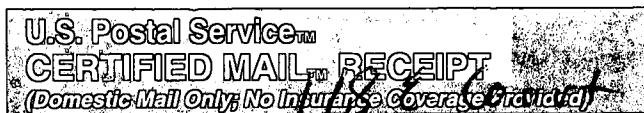
Any interested persons who desire to  
comment shall present the same in writing by ~~October 6~~ <sup>NOV</sup> 6, 2014, delivered to:

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



For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

WEST UNION, WV 26456-9027  
OCT 7 2014  
Postmark Here  
USPS 26456-9027

#14-282  
Shawn A. Glaspell  
RT. 2 Box 230  
West Union, WV 26456  
See Reverse for Instructions



For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

WEST UNION, WV 26456-9027  
OCT 2014  
Postmark Here  
USPS 26456-9027

#14-282  
Nancy Jane Sees Cutright  
135 Marie St  
Parkersburg, WV 26104  
See Reverse for Instructions

7014 0150 0001 7356 9027

7014 0150 0001 7356 9027

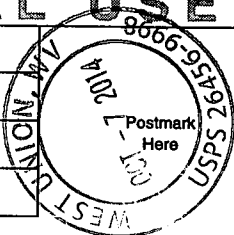
7014 0150 0001 7356 9010

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
Christopher L. Coffman  
HC 67 Box 124  
West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

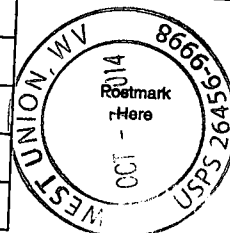
7014 0150 0001 7356 9003

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
Robert M. Ash  
2500 Fairmont Ave  
Fairmont, WV 26554

PS Form 3800, August 2006 See Reverse for Instructions

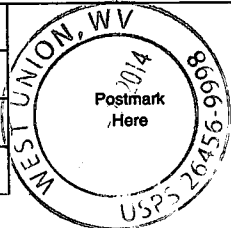
7014 0150 0001 7356 8990

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
Larry D. Swiger  
HC 67 Box 121  
West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

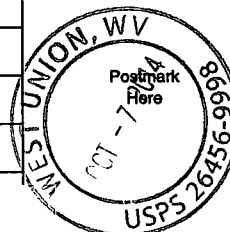
7014 0150 0001 7356 8969

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
Edison I Crawford  
HC 67 Box 122-A  
West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

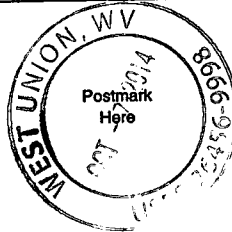
7014 0150 0001 7356 8983

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
John H. McClain  
HC 67 Box 125  
West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

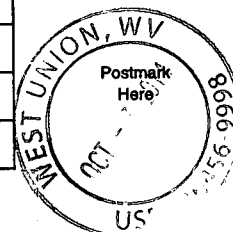
7014 0150 0001 7356 8976

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	



#14-282  
Donald E. Zack, Sr.  
HC 67 Box 132  
West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions

7014 0150 0001 7356 8952

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

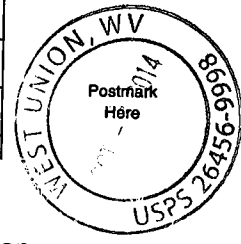
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 Michael W. & Jodi Swiger  
 Rt 2 Box 231  
 West Union, WV 26456

PS Form 3800, August 2006 See Reverse for Instructions



7014 0150 0001 7356 8907

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

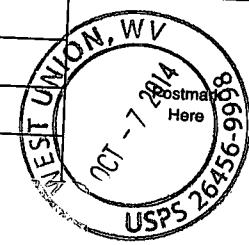
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 Vincent C & Bett Wintill  
 1316 Royal Rd  
 Venice, FL 34293

PS Form 3800, August 2006 See Reverse for Instructions



7014 0150 0001 7356 8945

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

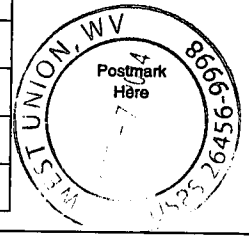
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 Mary Lee Glaspell  
 Rt 2 Box 192  
 Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions



7014 0150 0001 7356 8914

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

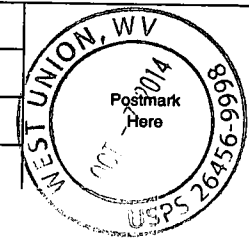
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 John M. & Conni Underwood  
 1158 Herminie W Newton Dr W  
 Newton, PA 15089-3086

PS Form 3800, August 2006 See Reverse for Instructions



7014 0150 0001 7356 8938

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

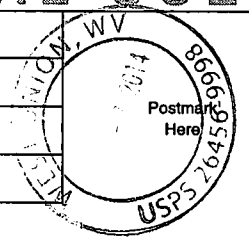
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 Arnold Lee Bonnell  
 Rt 1 Box 108  
 Lumberport, WV 26386

PS Form 3800, August 2006 See Reverse for Instructions



7014 0150 0001 7356 8921

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

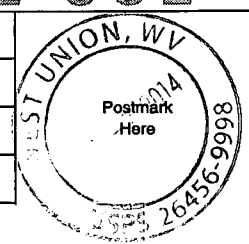
For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

#14-282  
 Samuel C. & Sherri L. Hammett  
 955 Null Creek Rd  
 Waverly, WV 26184

PS Form 3800, August 2006 See Reverse for Instructions



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Robert M. Ash  
 2500 Fairmont Ave  
 Fairmont, WV 26554

2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 9003

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*x Robert M. Ash*

- Agent  
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

10-2014

- D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

- Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)  Yes

UNITED STATES POSTAL SERVICE

U.S. MAIL PERMIT NO. 1234

WV 250

20 OCT 21



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •

FILED

2016 OCT 21 AM 11:18



Donohoe County FPM  
118 \_\_\_\_\_ Street STE 102  
West Union, WV 26456-1262

POST OFFICE  
DONOHOE COUNTY, WV



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Samuel C. & Sherri L. Hammett  
 955 Null Creek Rd  
 Waverly, WV 26184

2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 8921

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

 Agent Addressee

B. Received by (Printed Name)

S C HAMMETT

C. Date of Delivery

10-8-14

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:

 No

955 Bull Creek Rd  
 Waverly WV 26184

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

WV 250

08 OCT '14

FILED

• Sender: Please print your name, address, and ZIP+4® in this box •

2014 OCT -9 AM 11:33



BETH A. ROGERS  
COUNTY CLERK

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Nancy Jane Sees Cutright  
 135 Marie St  
 Parkersburg, WV 26104

2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 9027

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *William Cutright*

 Agent Addressee

B. Received by (Printed Name)

*William Cutright*

C. Date of Delivery

*10-10-14*

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery4. Restricted Delivery? (Extra Fee)  Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

WV 250  
OCT 14

• Sender. Please print your name, address, and ZIP+4® in this box •

FILED

2014 OCT 14 PM 10:11

DODDGE COUNTY FPM  
DODDGE COUNTY WV

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Shawn A. Glaspell  
 RT. 2 Box 230  
 West Union, WV 26456

2. Article Number

(Transfer from service label)

7014 0150 0001 7356 9034

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

Shawn A. Glaspell

 Agent  
 Addressee

B. Received by (Printed Name)

Larissa Glaspell

C. Date of Delivery

10-16-14

 D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

 Certified Mail®     Priority Mail Express™  
 Registered     Return Receipt for Merchandise  
 Insured Mail     Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •



Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

**F**

2014 OCT 17 AM 11:22

2014 OCT 17

BY

00

00

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Larry D. Swiger  
 HC 67 Box 121  
 West Union, WV 26456

2. Article Number

*(Transfer from service label)*

7014 0150 0001 7356 8990

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *Barbara Swiger*  Agent  
 Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

D. Is delivery address different from item 1?  YesIf YES, enter delivery address below:  No

3. Service Type

- Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

- Sender: Please print your name, address, and ZIP+4® in this box •

MAILED

2014 OCT 10 AM 11:02

DEERIDGE COUNTY, WV

DEERIDGE COUNTY, WV

Deeridge County FPM  
8 East Street STE 102  
West Union, WV 26456-1262



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282

John M. & Conni Underwood  
 1158 Herminie W Newton Dr W  
 Newton, PA 15089-3086

2. Article Number

*(Transfer from service label)*

7014 0150 0001 7356 8914

PS Form 3811, July 2013

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

\* *John M Underwood* Agent AddresseeB. Received by *(Printed Name)*

C. Date of Delivery

10/9/14

D. Is delivery address different from item 1?  YesIf YES, enter delivery address below:  No

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery4. Restricted Delivery? *(Extra Fee)* Yes

Domestic Return Receipt

UNITED STATES POSTAL SERVICE

PA 150

09 OCT '14



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •

FILED

2014 OCT 9 PM 4:11

WEST VIRGINIA  
DODDRIDGE COUNTY  
DODDRIDGE COUNTY, WV 14



Doddridge County FPM  
8 East Street STE 102  
West Union, WV 26456-1262

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Michael W. & Jodi Swiger  
 Rt 2 Box 231  
 West Union, WV 26456

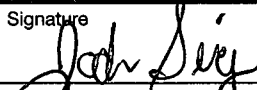
2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 8952

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

  
 JODI SWIGER

- Agent  
 Addressee

B. Received by (Printed Name)

JODI SWIGER

C. Date of Delivery

10-9-14

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below: ~~7014~~

5577 Riggins Run  
 West Union WV 26456

3. Service Type

- Certified Mail®     Priority Mail Express™  
 Registered     Return Receipt for Merchandise  
 Insured Mail     Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •



Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

DETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY

2011 OCT 10 AM 11:07

FILED

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Vincent C & Bett Wintill  
 1316 Royal Rd  
 Venice, FL 34293

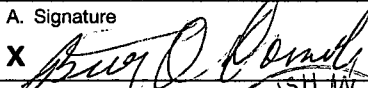
2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 8907

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X


 Agent Addressee

B. Received by (Printed Name)

Betty O'Donoghue

C. Date of Delivery

10/21/14

D. Is delivery address different from item 1?  YesIf YES, enter delivery address below:  No

OCT 21 2014

USPS

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •

FILED

2014 OCT 23 PM 12:08

33 IN A 1301  
DODDGE COUNTY FPM  
DODGE COUNTY WV

Dodge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Christopher L. Coffman  
 HC 67 Box 124  
 West Union, WV 26456

2. Article Number  
 (Transfer from service label)

7014 0150 0001 7356 9010

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X 
 Agent  
 Addressee

B. Received by (Printed Name)

Christopher Coffman

C. Date of Delivery

10-15-14

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

Certified Mail®  Priority Mail Express™  
 Registered  Return Receipt for Merchandise  
 Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

- Sender: Please print your name, address, and ZIP+4® in this box•



Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

FILE  
OCT 16 AM 11:17  
EIN A NOG  
COUNTY CLF  
DODDRIDGE COUNTY

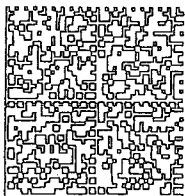


**CERTIFIED MAIL™**

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



7014 0150 0001 7356 8983



HASLER	015H14161808
	<b>\$6.48</b>
	10/07/14
Mailed From 26456	

US POSTAGE

2014 OCT -9 PM 12:00

SETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV



- INSUFFICIENT ADDRESS
- ATTEMPTED NOT KNOWN
- NO SUCH NUMBER/ STREET
- NOT DELIVERABLE AS ADDRESSED
- UNABLE TO FORWARD
- OTHER



**RTS**  
RETURN TO SENDER

Moved, left no Fwd address

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 John H. McClain  
 HC 67 Box 125  
 West Union, WV 26456

2. Article Number

*(Transfer from service label)*

7014 0150 0001 7356 8983

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

Agent

Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:  No

3. Service Type

Certified Mail®

Priority Mail Express™

Registered

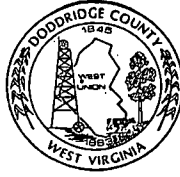
Return Receipt for Merchandise

Insured Mail

Collect on Delivery

4. Restricted Delivery? *(Extra Fee)*

Yes



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT ~~McElroy~~ District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

Any interested persons who desire to  
comment shall present the same in writing by ~~October~~<sup>Nov</sup> 6, 2014, delivered to:

Clerk of the County Court

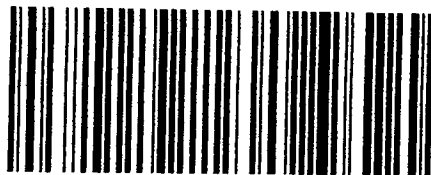
118 E. Court Street, West Union, WV 26456

Beth A Rogers, Doddridge County Clerk

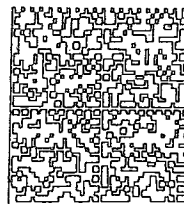
Edwin L. "Bo" Wriston, Doddridge County Flood Plain Manager

**CERTIFIED MAIL**

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



7014 0150 0001 7356 8976



HASLER	015H14161808	US POSTAGE
	\$6.48	
	10/07/14	
	Mailed From 26456	

2014 OCT 28 AM 10:52

BETHA RUCKS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV



#14-282  
Donald E. Zack, Sr.  
~~HC 67 Box 132~~  
West Union, WV 26456

*13013 WV R+2300*

*10/8/14*

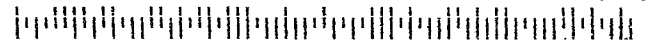
*10-14*

NIXIE 250 D2 1700 0010/27/14

RETURN TO SENDER  
UNCLAIMED  
UNABLE TO FORWARD

BC: 26456126299 \*1771-11019-27-19

26456@1262



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
Donald E. Zack, Sr.  
HC 67 Box 132  
West Union, WV 26456

2. Article Number  
(Transfer from service label)

PS Form 3811, July 2013

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type

Certified Mail®

Priority Mail Express™

Registered

Return Receipt for Merchandise

Insured Mail

Collect on Delivery

4. Restricted Delivery? (Extra Fee)

Yes

7014 0150 0001 7356 8976

Domestic Return Receipt



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

A handwritten signature in black ink, appearing to read "Edwin L. Wriston". The signature is stylized with a large, looping initial "E" and a long horizontal stroke extending to the right.

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT ~~McElroy~~ District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

Any interested persons who desire to  
comment shall present the same in writing by <sup>NOV</sup>~~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

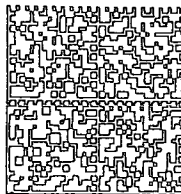


**CERTIFIED MAIL™**

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



7014 0150 0001 7356 8938



HASLER	015H14161808
	<b>\$6.48</b>
	10/07/14
Mailed From 26456	

US POSTAGE

2014 OCT 10 AM 11:06

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

*ATF*



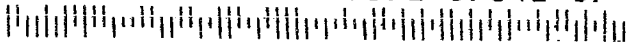
#14-282  
Arnold Lee Bonnell  
Rt 1 Box 108  
Lumberport, WV 26386

NIXIE 250 72 1700 0010/09/14

RETURN TO SENDER  
NOT DELIVERABLE AS ADDRESSED  
UNABLE TO FORWARD

BC: 26456126299 \*1871-07641-07-42

26456126299



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed-to:

#14-282  
Arnold Lee Bonnell  
Rt 1 Box 108  
Lumberport, WV 26386

2. Article Number  
(Transfer from service label)

7014 0150 0001 7356 8938

PS Form 3811, July 2013

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type

Certified Mail®  Priority Mail Express™

Registered  Return Receipt for Merchandise

Insured Mail  Collect on Delivery

4. Restricted Delivery? (Extra Fee)

Yes



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT McElroy District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

Any interested persons who desire to  
comment shall present the same in writing by <sup>NOV</sup>~~October~~ 6, 2014, delivered to:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456

Beth A Rogers, Doddridge County Clerk

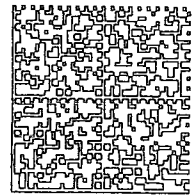
Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262

**CERTIFIED MAIL**



7014 0150 0001 7356 8945



HASLER	015H14161808	US POSTAGE
	\$6.48	
	10/07/14	
Mailed From 26456		

2014 OCT 10 AM 11:06

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

*UTF*



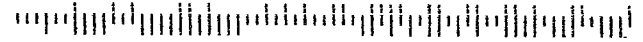
#14-282  
Mary Lee Glaspell  
Rt 2 Box 192  
Salem, WV 26426

NIXIE 250 7E 1700 0010/09/14

RETURN TO SENDER  
NOT DELIVERABLE AS ADDRESSED  
UNABLE TO FORWARD

BC: 26456126299 \*0671-11448-07-42

264561262



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

#14-282  
 Mary Lee Glaspell  
 P.O. Box 192  
 Salem, WV 26426

2. Article Number  
*(Transfer from service label)*

7014 0150 0001 7356 8945

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 Addressee  
 X

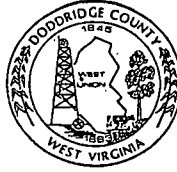
B. Received by <i>(Printed Name)</i>	C. Date of Delivery
--------------------------------------	---------------------

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Priority Mail Express™
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> Collect on Delivery

4. Restricted Delivery? *(Extra Fee)*  Yes



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT McElroy District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

Any interested persons who desire to  
comment shall present the same in writing by <sup>NOV</sup>~~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

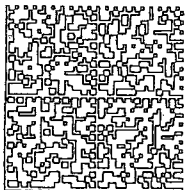


**CERTIFIED MAIL™**

Doddridge County FPM  
118 East Street STE 102  
West Union, WV 26456-1262



7014 0150 0001 7356 9003



HASLER	015H14161808	US POSTAGE
	<b>\$6.48</b>	
	10/07/14	
Mailed From 26456		

2014 OCT 20 AM 11:09

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

*STF*



#14-282  
Robert M. Ash  
2500 Fairmont Ave  
Fairmont, WV 26554

NIXIE 152 72 1700 0010/14/14

RETURN TO SENDER  
NOT DELIVERABLE AS ADDRESSED  
UNABLE TO FORWARD

265540451 BC: 26456126299 \*1871-06152-07-42  
26456@1262

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT ~~McElroy~~ District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

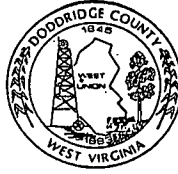
Any interested persons who desire to  
comment shall present the same in writing by <sup>NOV</sup>~~October~~ 6, 2014, delivered to:

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



Doddridge County FPM  
118 East Court Street, Suite 102  
West Union, WV 26456

Dear Sir or Ma'am,

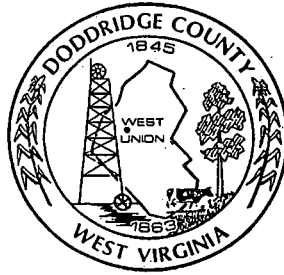
You are receiving this letter because you have been identified as a land surface and/or mineral rights owner for property or adjacent property related to the proposed development project identified by the following page.

No action is required of you. This letter is simply to inform you of the proposed development.

If you would like to comment on this proposed project, or would like additional information, you may contact the Doddridge County Floodplain Manager at the above address.

Respectfully yours,

Edwin L. Wriston  
Doddridge County Floodplain Manager  
304.873.2631  
[doddridgecountyfpm@gmail.com](mailto:doddridgecountyfpm@gmail.com)



# 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: #14-282 ~ Antero Resources ~  
North Canton Connector Access Road 10**

**Date Approved: 10/08/2014**

**Expires: 10/08/2015**

**Issued to: Antero Resources**

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

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

**Project Address: Grant/McElroy District  
Lat/Long: 39.395695N/80.691190W**

**Purpose of development: Access road construction.**

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

**Date: 10/08/2014**

---

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 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT McElroy District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

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

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of September, 2014

**Antero Resources**

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

GRANT ~~McElroy~~ District

39.395695N/80.691190W

**Permit #14-282 North Canton Connector Access Road 10**

The Application is on file with the Clerk of the County Court and may be inspected  
or copied during regular business hours.

Any interested persons who desire to  
comment shall present the same in writing by ~~October~~<sup>Nov</sup> 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

#14-282

FILED

2014 SEP 11 PM 12: 58



September 9, 2014

DEBRA ROBERTS  
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 10. Our project is located in Doddridge County, McElroy District and per the FIRM Maps #54017C0040C and #54017C0045C, this location is within the floodplain. However there will be no increase in elevation and no change to the base flood elevation.

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 Street, 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**

**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 \$ 20,210.00**

**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: Please see land owner table

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

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: Please see land owner table

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_

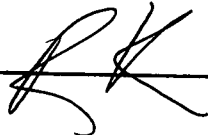
**E. CONFIRMATION FORM**

**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: September 9, 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 10  
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.

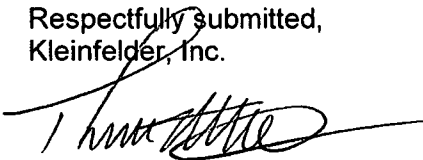
Since the issuance of the Floodplain Development Permit, the project Area of Interest (AOI) was expanded to include a temporary gravel access road (Access Road 10) that connects the pipeline to County Route 5 in Doddridge County. This expanded AOI was delineated by Kleinfelder on August 20, 2014. During the site reviews, additional reaches of Riggins Run (Stream 5) and an unnamed tributary to Riggins Run (Stream 6) were identified within the expanded AOI.

Less than six-inches of gravel will be temporarily placed above filter cloth for the temporary access road. The Project will not involve any tree clearing or earth disturbance activities. In addition, a timber mat air bridge will be installed at the Riggins Run crossing (39.395695°, -80.691190°) outside of the ordinary high water mark, in order to protect stream banks from traffic related activities. The temporary timber mat air bridge and gravel access road (see attached design details) will be removed at project completion and restored to original site conditions. As a result, sections of the proposed project will cross a designated Federal Emergency Management Administration regulated flood zone within Doddridge County according to FIRM Map #54017C0040C and #54017C0045C. There will be no increase in elevation and no change to the base flood elevation. The current base flood elevation at the proposed stream crossing is a maximum of approximately 756.61 feet.

Directions to the Site: From Smithburg, WV: Head southwest on Smithbury Street toward Smithton Road. Take the 1<sup>st</sup> 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 0.3 miles on the right.

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



**BID SHEET****NORTH CANTON PIPELINE TO EQT PIPELINE PROJECT (NORTH CANTON CONNECTOR) - ACCESS ROAD 10****ANTERO MIDSTREAM LLC****Riggins Run Floodplain Crossing**

<b>Item</b>	<b>Pipeline Size &amp; Type</b>	<b>Units</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total</b>
Open Cut (Buried) Line Install & Reclamation		Feet		\$195.00	\$0.00
Ground Surface Installation & Reclamation	Access Road	Feet	341	\$50.00	\$17,050.00
HDD Line Through Floodplain (Excludes Road Crossing)		Feet		\$600.00	\$0.00
HDD (Road Crossing)		Feet		\$600.00	\$0.00
Bore (Road Crossing)		Feet		\$350.00	\$0.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings	Access Road	Each	1	\$1,500.00	\$1,500.00
E&S for Stream Crossings	Access Road	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances	Access Road	Each	1	\$1,500.00	\$1,500.00
<b>Total Crossing Cost</b>					<b>\$20,210.00</b>



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

September 17, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

**Re: LS-14-VI/09-1392**

Antero Midstream LLC  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) along Riggins Run near Shirley in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Antero Midstream LLC  
LS-14-VI/09-1392  
Page 2  
September 17, 2014

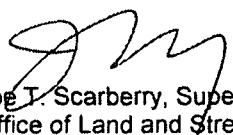
8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossties, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment is now due and payable in the amount of \$100.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,

  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Jeremy Bandy, Environmental Enforcement  
DNR Conservation Officers



Edwin Wriston <doddridgecountyfpm@gmail.com>

**North Canton Connector AR 10-additional permit**

1 message

**Rachel Grzybek** <rgrzybek@anteroresources.com>  
To: Edwin Wriston <doddridgecountyfpm@gmail.com>

Tue, Oct 7, 2014 at 1:58 PM

Hi Bo,

I wanted to make sure we were talking about the same additional permit, so I went ahead and attached it just to be sure you had the right one.

This is the ROE approval from the DNR.

Thanks!

*Rachel Grzybek*

*Floodplain Engineer*

*Antero Resources Corporation*

535 White Oaks Boulevard

Bridgeport, WV 26330


Phone: (304) 842-4008

Cell: (304) 641-2396

Fax: (304) 842-4102

[rgrzybek@anteroresources.com](mailto:rgrzybek@anteroresources.com)



 2014-09-17 NCC\_ROE Permit\_AR 10.pdf  
142K



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

September 17, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

**Re: LS-14-VI/09-1392**

Antero Midstream LLC  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) along Riggins Run near Shirley in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Antero Midstream LLC  
LS-14-VI/09-1392  
Page 2  
September 17, 2014

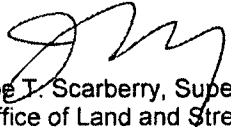
8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossties, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment is now due and payable in the amount of \$100.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,

  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Jeremy Bandy, Environmental Enforcement  
DNR Conservation Officers





Edwin Wriston &lt;doddridgecountyfpm@gmail.com&gt;

---

**North Canton Connector Pipeline Permits**

2 messages

**Emily Kijowski** <ekijowski@anteroresources.com>

Thu, Jul 24, 2014 at 12:51 PM

To: "doddridgecountyfpm@gmail.com" &lt;doddridgecountyfpm@gmail.com&gt;, "blslater.4774@yahoo.com" &lt;blslater.4774@yahoo.com&gt;

Cc: Ashlie Mihalcin &lt;amihalcin@anteroresources.com&gt;, Patricia Kazimier &lt;pkazimier@anteroresources.com&gt;

Hi Bo,

We received the rest of the agency permits for the North Canton Connector Pipeline project, please see attached. I attached the permits I previously sent as well for your convenience.

Thank you,

**Emily Kijowski***Flood Plain Permitting**Antero Resources Corporation*







1615 Wynkoop Street








Denver, CO 80202

Office: (303)-357-7232

---

**13 attachments**

-  **2014-03-07 NCC\_USFWS Clearance.pdf**  
599K
-  **2014-03-25 NCC\_WVDNR Clearance\_Amendment.pdf**  
259K
-  **2014-04-02 NCC\_USFWS Clearance\_Amendment.pdf**  
827K
-  **2014-05-22\_NCC\_WVDCH Clearance.pdf**  
1293K
-  **2014-05-28 NCC\_Tyler County\_ROE Permit\_MattingPallets.pdf**  
282K
-  **2014-05-28 NCC\_Tyler County\_ROE Permit\_Pipeline.pdf**  
740K

-  **2014-06-04 NCC\_SWPPP Approval\_WVR310279.pdf**  
98K
-  **2014-07-01 NCC\_ROE Permit\_Doddridge\_Pipeline.pdf**  
5258K
-  **2014-07-11 NCC\_ROE Permit\_Doddridge\_MattingPallets.pdf**  
148K
-  **2014-07-18 NCC\_USACE\_NWP Authorization.pdf**  
708K
-  **2014-07-23 NCC\_ROE Permit\_Access Road.pdf**  
113K
-  **North Canton Connector\_DNR\_RTE Permit.pdf**  
553K
-  **North Canton Connector\_USFWS\_Permit.pdf**  
740K

---

**Edwin Wriston** <doddridgecountyfpm@gmail.com>  
To: Emily Kijowski <ekijowski@anteroresources.com>

Tue, Jul 29, 2014 at 4:16 PM

Emily,

I am out of the office this week attending class so I cannot get you a full permit printed and laminated, however, please accept this email as notification of approval for the referenced project, effective immediately.

Once I am back in the office I will print off all the attached to be included with your file and issue a full permit.

Should you have any further questions, please do not hesitate to contact me at your convenience.

Respectfully,

[Quoted text hidden]

--

Edwin L. "Bo" Wriston, Floodplain Manager  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456  
Work Phone: 1-304-873-2631  
Mobile Phone: 1-304-629-3735  
Fax: 1-304-873-1840  
doddridgecountyfpm@gmail.com  
www.doddridgecounty.wv.gov

--

CONFIDENTIALITY NOTE: This email message is for the sole use of the intended recipient(s) and may contain confidential, privileged, or sensitive information. Any unauthorized review, use, disclosure, or distribution is strictly prohibited and may be legally accountable.



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

West Virginia Field Office  
694 Beverly Pike  
Elkins, West Virginia 26241



March 7, 2014

Ms. Heather Krepsik  
Kleinfelder  
230 Executive Drive  
Cranberry Township, Pennsylvania 16066

Re: Antero Resources Corporation, North Canton to EQT Pipeline Project, Doddridge and Tyler Counties, West Virginia

Dear Ms. Krepsik:

This responds to your request of February 11, 2014, for information regarding the potential occurrence of federally listed endangered and threatened species and their designated critical habitats. Antero Resources Corporation (Antero) proposes to construct the North Canton to EQT pipeline project in Doddridge and Tyler Counties, West Virginia. These comments are provided pursuant to the Endangered Species Act (ESA, 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

The U.S. Fish and Wildlife Service (Service) has determined that two federally listed endangered species are known to occur within the proposed project area, and may be affected by the construction and operation of the proposed project. These are the Indiana bat (*Myotis sodalis*) and the snuffbox mussel (*Epioblasma triquetra*). Information to avoid impacts to these species is provided below.

Additionally, on October 2, 2013, in the *Federal Register* (78 FR 61045 -61080) the Service proposed the northern long eared bat (*Myotis septentrionalis*) for listing under the ESA. A final listing determination is anticipated within one year of the proposal. If a decision is made to list this species, potential impacts from this project to this species will need to be addressed if this project is not completed by the time the listing takes effect. We encourage you to begin incorporating conservation measures to protect these species prior to any potential final listing decisions. Additional information regarding the northern long eared bat and conference procedures can be found at the following address:

<http://www.fws.gov/midwest/endangered/mammals/niba/pdf/NLEBinterimGuidance6Jan2014.pdf>

### Indiana Bat

The project area is within the range of the Indiana bat and may provide summer foraging and roosting habitats, as well as winter habitat, for this endangered mammal. Indiana bats use caves or mine portals for winter hibernation habitat between November 15 and March 31. Indiana bats may use the proposed site for foraging and roosting between April 1 and November 14. Indiana bat foraging habitat is generally defined as riparian, bottomland, or upland forest, as well as old fields or pastures with scattered trees. Roosting and maternity habitats consist primarily of live or dead hardwood trees which have exfoliating bark that provides space for bats to roost between the bark and the bole of the tree. Tree cavities, crevices, splits, or hollow portions of tree boles and limbs also provide roost sites. In West Virginia, the Service considers all forest habitats containing trees greater than or equal to 5 inches in diameter at breast height to be potentially suitable as summer roosting and foraging habitat for the Indiana bat.

Based on radio-telemetry data, the Service presumes that Indiana bats are present in areas within 5 miles of hibernacula, 5 miles of summer capture sites with no known maternity roosts, and 2.5 miles of maternity roosts. The proposed project is not within any of these buffer zones.

In your February 11, 2014, correspondence, you stated that Antero will clear all project-related timber when bats are in hibernation (November 15 through March 31) to avoid direct impacts to Indiana bats and that no caves or portals exist within the proposed project boundary. An estimated 93.85 acres of forest area would be cleared for the project, which would leave approximately 2,406.18 acres or 87.5 percent of forested habitat within the ¼-mile buffer area after project clearing has been completed. The total number of acres in the buffer area is 2,750. The results of this analysis show that there will be sufficient forested habitat remaining on the landscape post-construction to support Indiana bats.

### Freshwater Mussels

The proposed project proposes to cross McElroy Creek which provides habitat for the snuffbox mussel, which is listed as endangered under the ESA. Freshwater mussels, like the snuffbox, feed by filtering food particles from the water column. Juvenile and adult freshwater mussels have been documented to feed on detritus, diatoms, phytoplankton, and zooplankton. Freshwater mussels rely on fish to complete their life histories. When mussel larvae (glochidia) are released into the water by adult females, they must attach themselves within a few days to an appropriate fish host, which they then parasitize for a short time while developing into juvenile mussels. The loss of many historic populations was likely due to the impacts of impoundments, navigation projects, water quality degradation from agricultural and industrial wastes, deforestation and other forms of habitat alteration, including gravel and sand dredging. Impacts that directly affected the species also include reduction or elimination of fish hosts.

Ms. Heather Krepsik  
March 7, 2014

3

The project proposes to cross McElroy Creek by horizontal directional drill (HDD). This method will allow the pipeline to be placed under the stream without direct affects to the waterway. The HDD method uses bentonite clay in its pressurized drilling that, on occasion, can result in a frac-out that releases bentonite clay into waterways.

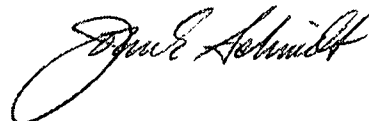
In your February 11, 2014, correspondence, you stated your client's commitment to the following measures that will be followed in the event of a frac-out that could cause the sudden release of bentonite clay substrate into waterways:

1. Agencies will be contacted within 24 hours of the event.
2. Clean up of all spills will begin immediately.
3. Secondary containment measures including silt fence, sand bags, turbidity curtains, water pumps, and other BMPs will be installed.
4. A mussel investigation will promptly begin, as necessary.

In the event of a frac-out, the Service believes that implementation of the measures outlined above will minimize, to the extent practicable, the likelihood of adverse impacts to McElroy Creek and the snuffbox mussel. This office should be notified immediately if any deviations from the submitted plans are anticipated, or if a frac-out occurs during construction of the project.

As a result of this information, the Service has concluded that the project may affect, but is not likely to adversely affect any federally listed endangered and threatened species. No biological assessment or further section 7 consultation under the ESA is required with the Service. Should project plans change or amendments be proposed that we have not considered in your proposed action, or if additional information on listed and proposed species becomes available, or if new species become listed or critical habitat is designated, this determination may be reconsidered. If you have any questions regarding this letter, please contact Liz Stout of my staff at (304) 636-6586, Ext. 15, or [elizabeth\\_stout@fws.gov](mailto:elizabeth_stout@fws.gov), or at the letterhead address.

Sincerely,



John E. Schmidt  
Field Supervisor



**DIVISION OF NATURAL RESOURCES**  
Wildlife Resources Section  
Operations Center  
P.O. Box 67  
Elkins, West Virginia 26241-3235  
Telephone (304) 637-0245  
Fax (304) 637-0250

Earl Ray Tomblin  
Governor

Frank Jezioro  
Director

March 25, 2014

Ms. Heather Krepsik  
Kleinfelder  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066

Dear Ms. Krepsik:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) re-route project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the re-route area. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

A handwritten signature in black ink, appearing to read "Barbara Sargent", is written over the typed name.

Barbara Sargent  
Environmental Resources Specialist  
Wildlife Diversity Unit

enclosure

S:\Monthly\Barb\Invoices\Kleinfelder.doc

NO. 214-590

**INVOICE**

***West Virginia Division of Natural Resources***

Wildlife Resources Section, P.O. Box 67, Elkins, WV 26241  
Attention: Ms. Patty Fordyce

**In Account With:** Kleinfelder  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066

**Date:** March 25, 2014

**Attention:** Ms. Heather Krepsik

---

For the retrieval and compilation of information on rare, threatened and endangered species and sensitive habitats for the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) re-route project in Doddridge and Tyler counties, WV.

**AMOUNT DUE: \$75.00**

**Make check payable to WV Division of Natural Resources. Please reference the invoice number on your check. Mail to the above address and to the attention of Ms. Fordyce.**

**Heather Krepsik**

---

**From:** Stout, Elizabeth <elizabeth\_stout@fws.gov>  
**Sent:** Wednesday, April 02, 2014 2:29 PM  
**To:** Heather Krepsik  
**Subject:** North Canton to EQT Pipeline

Heather,

The project may proceed under the previous clearance with the noted updates from your March, 20, 2014, correspondence.

I was out at that site yesterday...that slipping hillside does not look good!!

--

**Liz Stout**

Fish and Wildlife Biologist; GIS Technician  
U.S. Fish and Wildlife Service  
West Virginia Field Office  
694 Beverly Pike  
Elkins, WV 26241  
(304) 636 6586 x15  
<http://www.fws.gov/westvirginiafieldoffice/index.html>

*\*\*Due to an imposed hiring freeze and the inability to back fill positions, we are significantly delayed in our project review times and response times to phone calls and emails. Please be patient; we will address projects in the order in which they are received.\*\**





Division of **Culture and History**  
May 22, 2014

**The Culture Center**  
1900 Kanawha Blvd., E.  
Charleston, WV 25305-0300

**Randall Reid-Smith, Commissioner**

Phone 304.558.0220 • www.wvculture.org  
Fax 304.558.2779 • TDD 304.558.3562  
EEO/AA Employer

Mr. Luke Erickson  
Archaeology Project Manager/Principal Investigator  
Environment & Archaeology  
221 Main Street  
Florence, KY 41042

RE: North Canton Pipeline to EQT Pipeline (North Canton Connector) Project  
FR#: 14-669-Multi

Dear Mr. Erickson:

We have reviewed the abbreviated Phase I archaeological survey report that was submitted for the above referenced project. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to the submitted information, Antero Resources Corporation proposes to construct approximately 8.06 miles of new natural gas pipelines on upland landforms located in Doddridge and Tyler Counties, WV. It is our understanding that no permanent above ground project components are proposed for construction as part of this project. According to the report, systematic survey was conducted within the Area of Potential Effect (APE), which consists of terrain in the Limits of Disturbance within 100 feet of the margins of US Army Corps of Engineers jurisdictional waters. A total of fifteen permit areas were investigated during the survey via pedestrian reconnaissance and shovel probe excavation. Steep terrain was observed over much of the proposed permit area. In areas where shovel probes could be excavated, intact soils were encountered but no archaeological resources were discovered. In our opinion, no historic properties are present within the APE. We concur that no further cultural resource work is necessary within the APE. However, if intact cultural resources, including cemeteries, are encountered while the pipeline is being constructed, please cease all activity in the area of discovery and contact this office immediately.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Lora A Lamarre-DeMott, Senior Archaeologist, at (304) 558-0240.*

Sincerely,

*Lora A Lamarre-DeMott*  
for Susan M. Pierce  
Deputy State Historic Preservation Officer  
SMP/LLD



**DIVISION OF NATURAL RESOURCES**

324 4th Avenue, Room 342  
South Charleston, WV 25303-1228  
Telephone (304) 558-2754  
Fax (304) 558-2768  
TDD (304) 558-1439  
TDD (800) 354-6087

Earl Ray Tomblin  
Governor

Frank Jezloro  
Director

May 28, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

Re: **LS-14-VI/48-668**

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a matting and pallets crossing (North Canton Pipeline to EQT Pipeline (North Canton Connector) Project) along an unnamed tributary of Davis Run near Shirley in Tyler County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

May 28, 2014

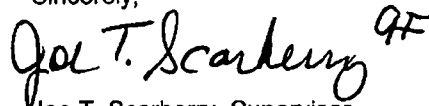
8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossies, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment in the amount of \$100.00 is now due and payable to the Division of Natural Resources covering the first year's annual fee of this agreement. You must notify the Division in writing with this installation has been removed. Your agreement will be effective upon receipt of your payment in full.

Sincerely,



Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



**DIVISION OF NATURAL RESOURCES**

324 4th Avenue, Room 342  
South Charleston, WV 25303-1228  
Telephone (304) 558-2754  
Fax (304) 558-2768  
TDD (304) 558-1439  
TDD (800) 354-6087

Earl Ray Tomblin  
Governor

Frank Jezloro  
Director

May 28, 2014

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

Re: P-14-VII/48-667

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a term of 10 years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twenty inch (20") steel natural gas pipeline (North Canton Pipeline to EQT Pipeline (North Canton Connector) Project) along an unnamed tributary of Davis Run, McElroy District, Tyler County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A.

This License and Right of Entry is subject to the following terms and conditions:

**High Quality Streams (HQS)** as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1<sup>st</sup> through June 30<sup>th</sup>. Trout spawning season runs from October 1<sup>st</sup> through April 30<sup>th</sup>.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

**Non-high quality stream:**

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1<sup>st</sup> through June 30<sup>th</sup>. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.

Antero Resources Corporation  
P-14-VI/48-667  
Page 2  
May 28, 2014

- Only ephemeral/intermittent streams that are dry can be trenched.

#### **Bank Stabilization**

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

#### **Freshwater Mussels**

Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

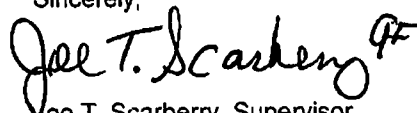
For further assistance, contact the appropriate WVDNR District Fisheries Biologist.

District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211  
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$275.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,



Joe T. Scarberry, Supervisor  
Office of Land and Streams

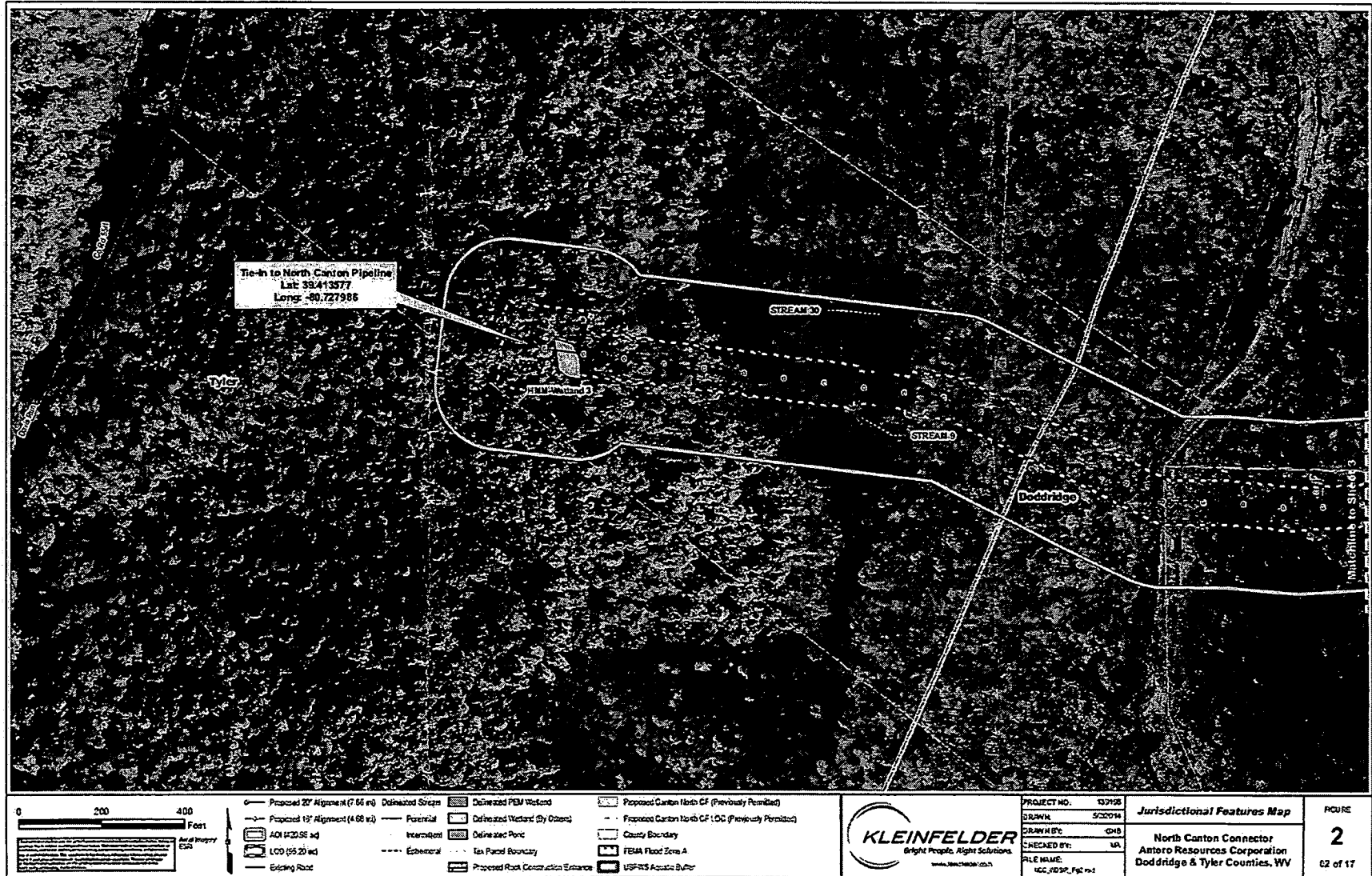
JTS:cb

attachment

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers

Exhibit A

P-14-VI/48-667



# West Virginia Division of Natural Resources

## Invoice

**Pay on-line at <http://wvdnr.gov/REM>**

Invoice#: 21300

Comp. ID#: 4524

Bill Date: 05/29/2014

In  
Acct  
With

Antero Resources Corporation  
Attention: Amanda Oates  
1615 Wynkoop Street  
Denver, CO 80202

<b>AGREEMENT</b>	<b>INVOICE PERIOD</b>	<b>AMOUNT PAID</b>	<b>AMOUNT DUE</b>
<u>AGREEMENT DATED 5/28/2014</u> <u>P-14-VI/48-667</u> A twenty inch (20") steel natural gas pipeline (North Canton Pipeline-EQT Pipeline (NC Connector) Project) unnamed tributary of Davis Run, Tyler Co., WV	For 5/28/2014 to 5/28/2024 Land and Streams/DNR	\$0.00	\$275.00
<u>AGREEMENT DATED 5/28/2014</u> <u>LS-14-VI/48-668</u> A matting/pallets crossing (North Canton Pipeline-EQT Pipeline(NC Connector) Project) unnamed tributary of Davis Run, Tyler Co., WV	For 5/28/2014 to 5/28/2015 Land and Streams/DNR	\$0.00	\$100.00
<b>TOTAL INVOICE:</b>			<b>\$375.00</b>
<b>NUMBER OF AGREEMENTS:</b>			<b>2</b>

**Please Reference Either Invoice Number or Agreement Re: on Payment**

WV Division of Natural Resources  
Office of Land & Streams  
324 Fourth Avenue, Room 200  
South Charleston, WV 25303

**IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT**

Nadine Hamilton (304) 558-3225  
[nadine.r.hamilton@wv.gov](mailto:nadine.r.hamilton@wv.gov)

## Matthew Albright

---

**From:** Thomas Woodrow  
**Sent:** Wednesday, June 04, 2014 8:30 PM  
**To:** Matthew Albright; Heather Krepsik  
**Subject:** FW: Approval for WVR310279, North Canton Connector, Doddridge Co., 95.20 Acres

Received NCC stormwater permit

**Tom Woodrow, P.E., BCEE**  
Senior Project Manager  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066  
o | 724.831.5129  
c | 724.321.9226

---

**From:** DEP NPDESEP [mailto:DEP.NPDESEP@wv.gov]  
**Sent:** Wednesday, June 04, 2014 3:13 PM  
**To:** DEP NPDESEP; [lslauter@anteroresources.com](mailto:lslauter@anteroresources.com)  
**Cc:** Thomas Woodrow; Hodge, Timothy W; Swiger, Bradley C; Minigh, Christina D  
**Subject:** Approval for WVR310279, North Canton Connector, Doddridge Co., 95.20 Acres

Luz Slauter  
Antero Resources Appalachian Corporation  
1625 17<sup>th</sup> Street  
Denver, CO 80202

Physical Site Location: Co. Rt. 5, Riggins Run Road, Smithburg

Please be advised that this e-mail constitutes approval for your project associated with Oil and Gas Construction Activities and your registration no. is WVR310279. You are now authorized to operate under WV General Water Pollution Control Permit No. WV0116815, issued on May 13, 2013.

You should carefully read the contents of this General Permit and become familiar with all requirements needed to remain in compliance with your permit. A "Notice of Termination" form is to be completed and submitted when all disturbed areas are stabilized. You can find the permit and Notice of Termination form via the Internet by visiting Permitting, Division of Water and Waste Management at [www.dep.wv.gov](http://www.dep.wv.gov)

Your annual permit fee has been assessed as \$1500.00. You will be invoiced by this agency upon the anniversary date of this approval date. Failure to submit the annual fee within ninety (90) days of the due date will render your permit void upon the date you are mailed a certified written notice to that effect. Please be advised that a pro-rated annual permit fee may be assessed upon the completion date and proper stabilization.

If you have any questions relative to this approval, please do not hesitate to contact Joseph Cochran at (304) 926-0499 Ext. 1069 or by email at [joseph.w.cochran@wv.gov](mailto:joseph.w.cochran@wv.gov)

Scott G. Mandirola, Director  
WV DEP-Division of Water & Waste Mgt.  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304-2345



Phone: (304) 926-0495  
Fax: (304) 926-0496



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

Earl Ray Tomblin  
*Governor*

Frank Jezioro  
*Director*

July 1, 2014

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

**Re: P-14-VI/09-666**

Antero Resources Corporation,  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a term of ten (10) years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twenty inch (20") steel natural gas pipeline at four (4) separate locations and a sixteen inch (16") and a twenty inch (20") steel natural gas pipelines at seven (7) separate locations (North Canton Pipeline to EQT Pipeline North Canton Connector Project) along McElroy Creek, Elklick Run, Anderson Fork, Laughertys Fork, Riggins Run, unnamed tributaries of Riggins Run, and an unnamed tributary of McElroy Creek, McClellan District, Doddridge County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A - H.

This License and Right of Entry is subject to the following terms and conditions:

**High Quality Streams (HQS)** as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1<sup>st</sup> through June 30<sup>th</sup>. Trout spawning season runs from October 1<sup>st</sup> through April 30<sup>th</sup>.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

**Non-high quality stream:**

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1<sup>st</sup> through June 30<sup>th</sup>.
-

Antero Resources Corporation  
P-14-VI/09-666  
Page 2  
July 1, 2014

- This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.
- Only ephemeral/intermittent streams that are dry can be trenched.

**Bank Stabilization**

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

**Freshwater Mussels**

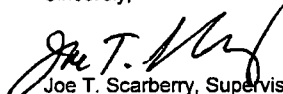
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.  
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211  
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$4600.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,

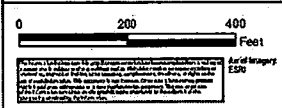
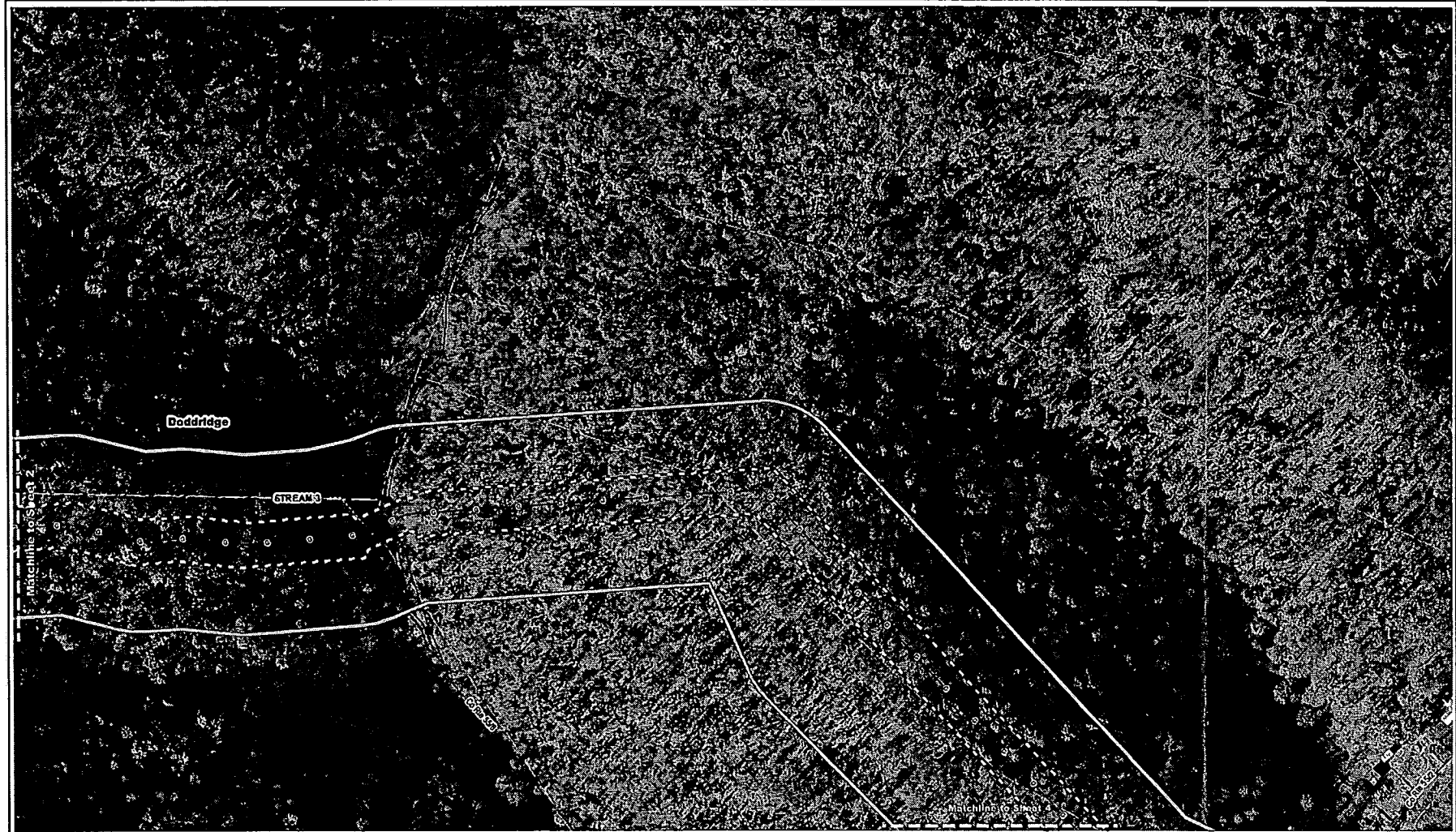
  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

attachment

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers

---

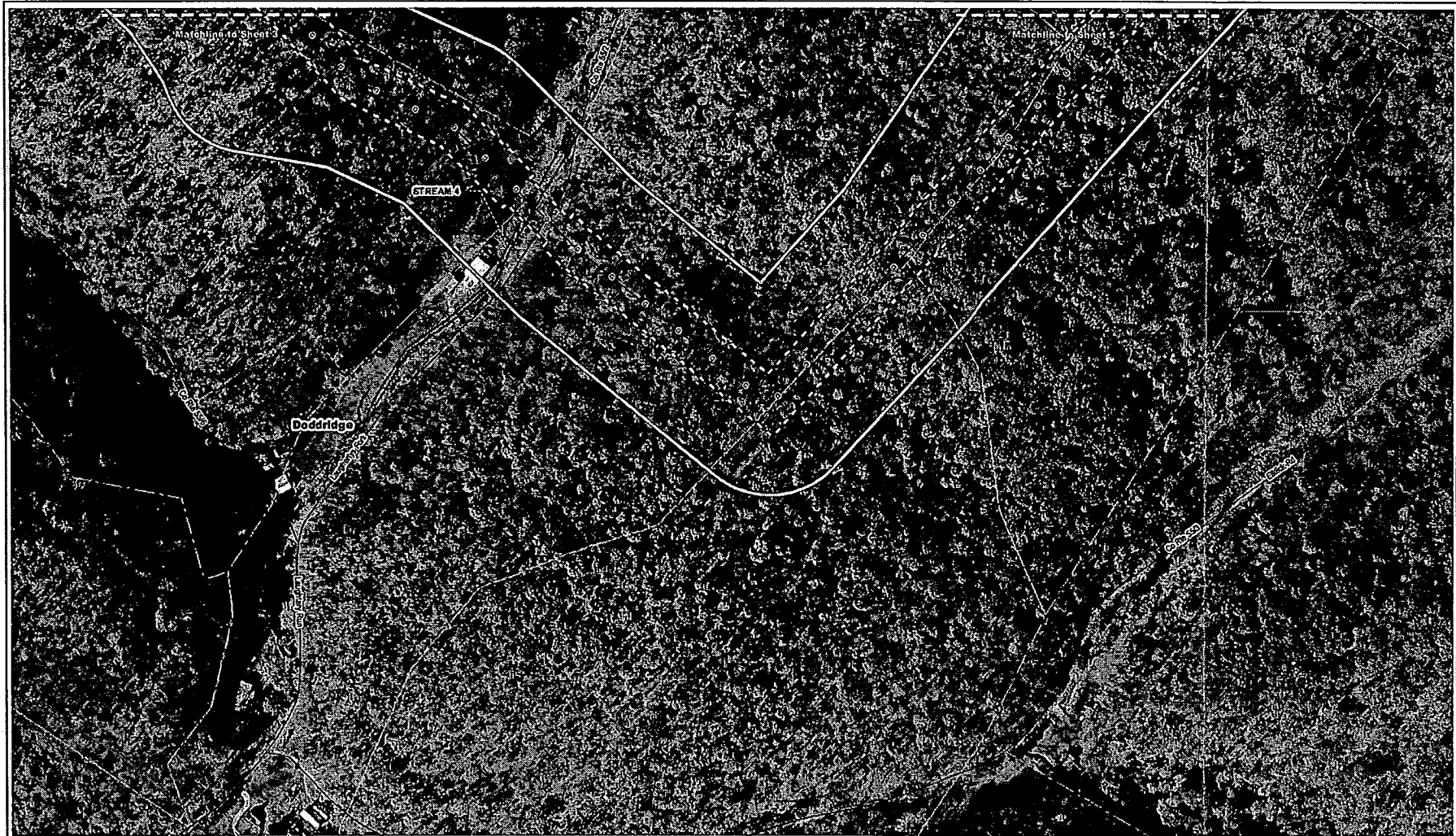


—○— Proposed 20' Alignment (7.86 ac)	--- Delineated Stream	[Pattern] Delineated FEM Wetland	[Pattern] Proposed Carbon Nuth CF (Previously Permitted)
—○— Proposed 16' Alignment (4.68 ac)	--- Perennial	[Pattern] Delineated Wetland (By Others)	--- Proposed Carbon Nuth CF LOD (Previously Permitted)
[Pattern] AOI (420.98 ac)	--- Intermittent	[Pattern] Delineated Pond	[Pattern] County Boundary
[Pattern] LOD (56.20 ac)	--- Ephemeral	--- Tax Parcel Boundary	[Pattern] FEMA Flood Zone A
--- Existing Road	[Pattern] Proposed Rock Construction Entrance	[Pattern] USFWS Aquatic Buffer	

**KLEINFELDER**  
Bright People. Right Solutions.  
www.kleinfelder.com

PROJECT NO.	139158
DRAWN BY:	GT2014
DRAWN BY:	GH8
CHECKED BY:	MA
FILE NAME:	hdc_vdsla_Fg1.mxd

<b>Jurisdictional Features Map</b>	FIGURE
North Canton Connector Antero Resources Corporation Doddridge & Tyler Counties, WV	<b>2</b>
	03 of 17



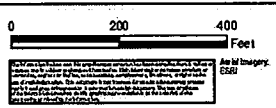
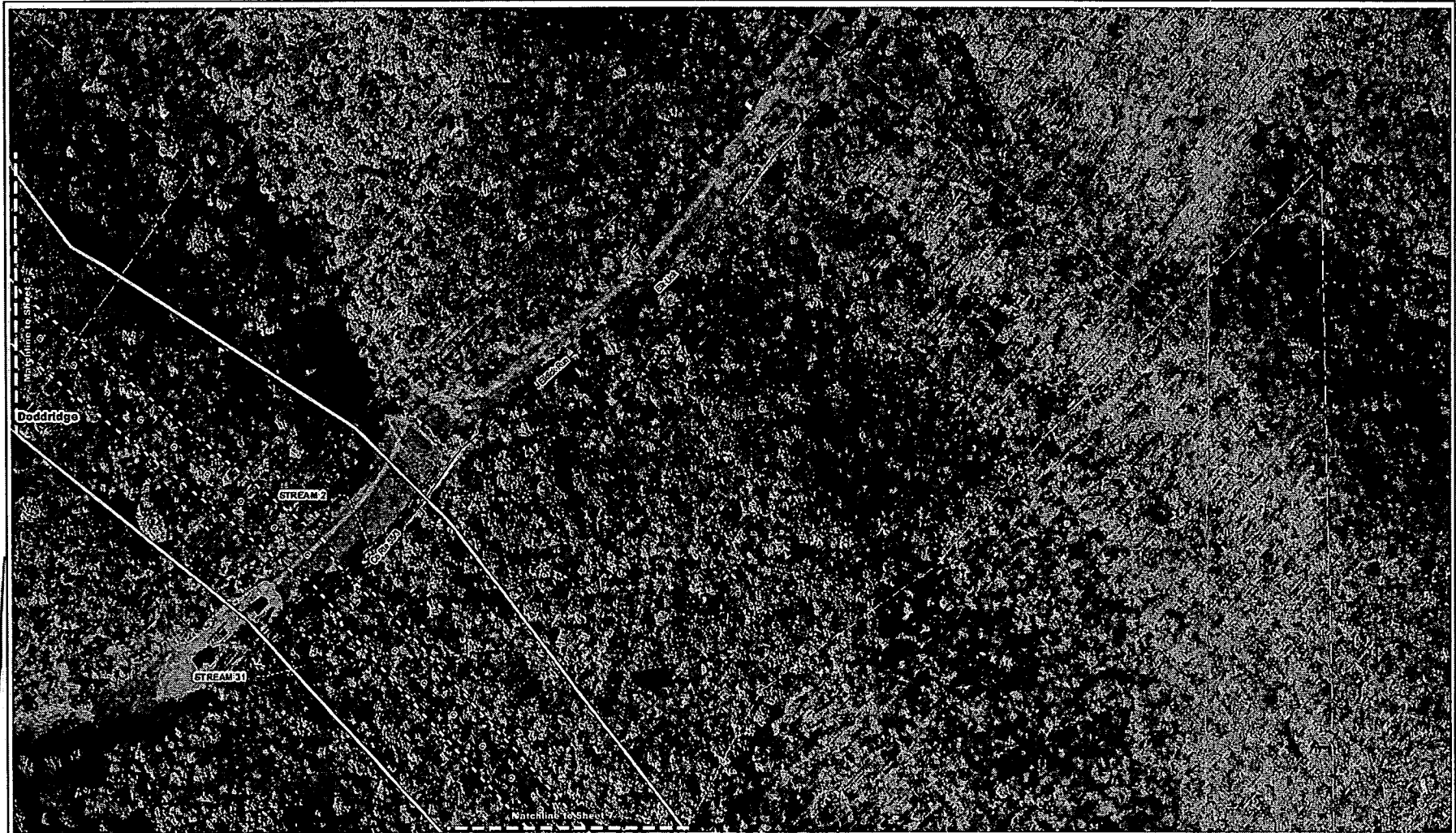
<p>0 200 400 Feet</p> <p>Proposed 20' Alignment (7.86 ac)</p> <p>Proposed 18' Alignment (4.68 ac)</p> <p>AOI (420.98 ac)</p> <p>LOD (55.20 ac)</p> <p>Existing Road</p> <p>Deactivated Stream</p> <p>Perennial</p> <p>Intermittent</p> <p>Ephemeral</p> <p>Deactivated PEM Wetland</p> <p>Deactivated Wetland (By Others)</p> <p>Deactivated Pond</p> <p>Tax Parcel Boundary</p> <p>Proposed Rock Construction Entrance</p>	<p>Proposed Carbon Noth CF (Previously Permitted)</p> <p>Proposed Carbon Noth CF LOD (Previously Permitted)</p> <p>County Boundary</p> <p>FEMA Flood Zone A</p> <p>USFWS Aquatic Buffer</p>
---	---



PROJECT NO.	13198
DATE	5/2/2014
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	13C_N0508_Fig2.mxd

**Jurisdictional Features Map**

North Canton Connector  
 Antero Resources Corporation  
 Doddridge & Tyler Counties, WV



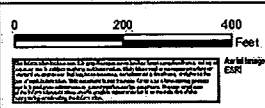
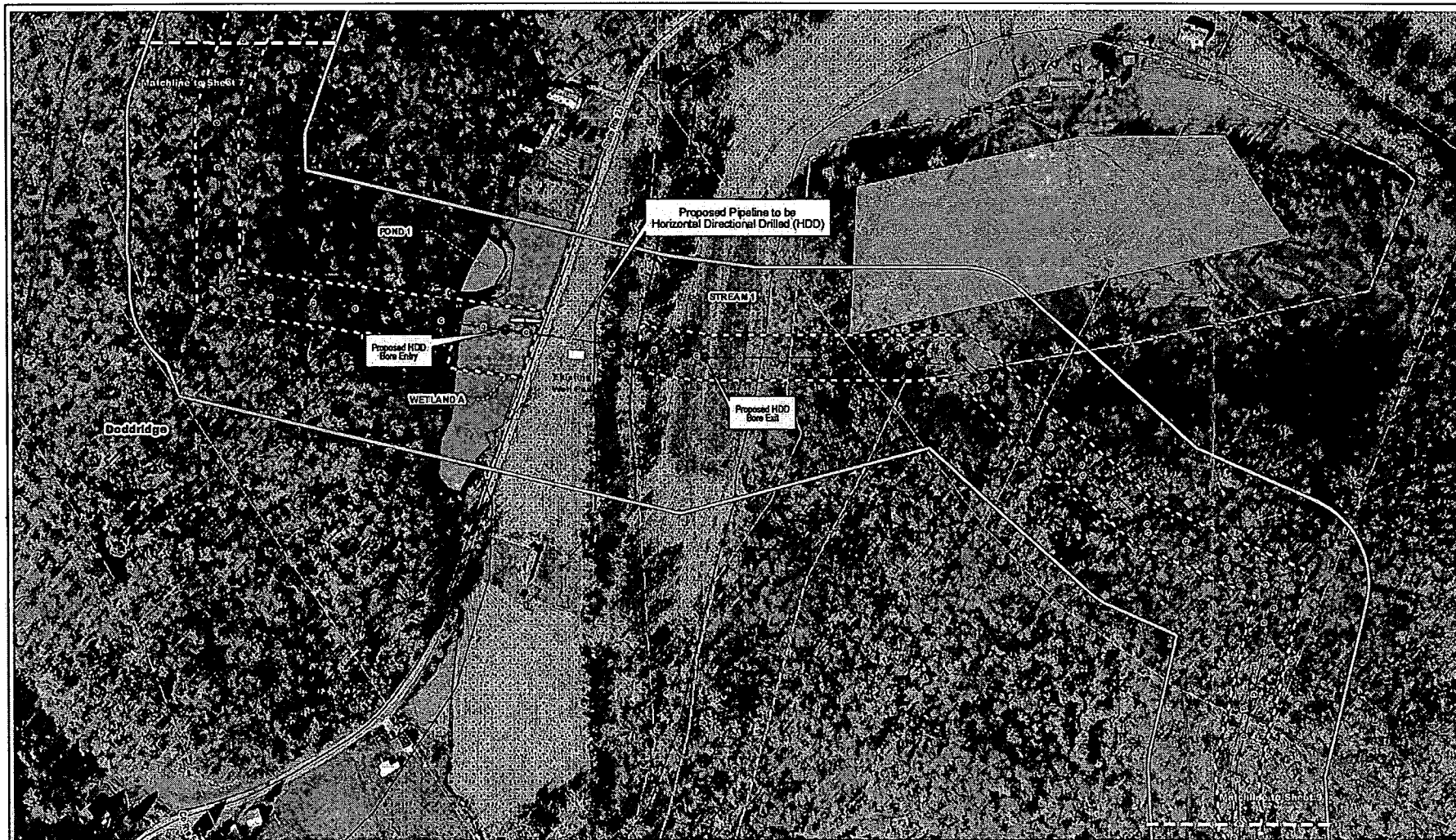
○ Proposed 27' Alignment (7.86 ac)	Defoliated Stream	Defoliated FEM Wetland	Proposed Carbon North CF (Previously Permitted)
○ Proposed 18' Alignment (4.68 ac)	Perennial	Defoliated Wetland (By Others)	Proposed Carbon North CF LOD (Previously Permitted)
ACI (420.58 ac)	Intermittent	Defoliated Pond	County Boundary
LOD (56.20 ac)	Ephemeral	Tax Parcel Boundary	FEMA Flood Zone A
Existing Road		Proposed Rock Construction Entrance	USFWS Aquatic Buffer



PROJECT NO.	159198
DRAWN	5/20/11
DRAWN BY:	GHS
CHECKED BY:	MA
FILE NAME:	ICC_NCSR_Fig2.mxd

**Jurisdictional Features Map**

North Canton Connector  
 Antero Resources Corporation  
 Doddridge & Tyler Counties, WV

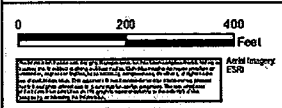
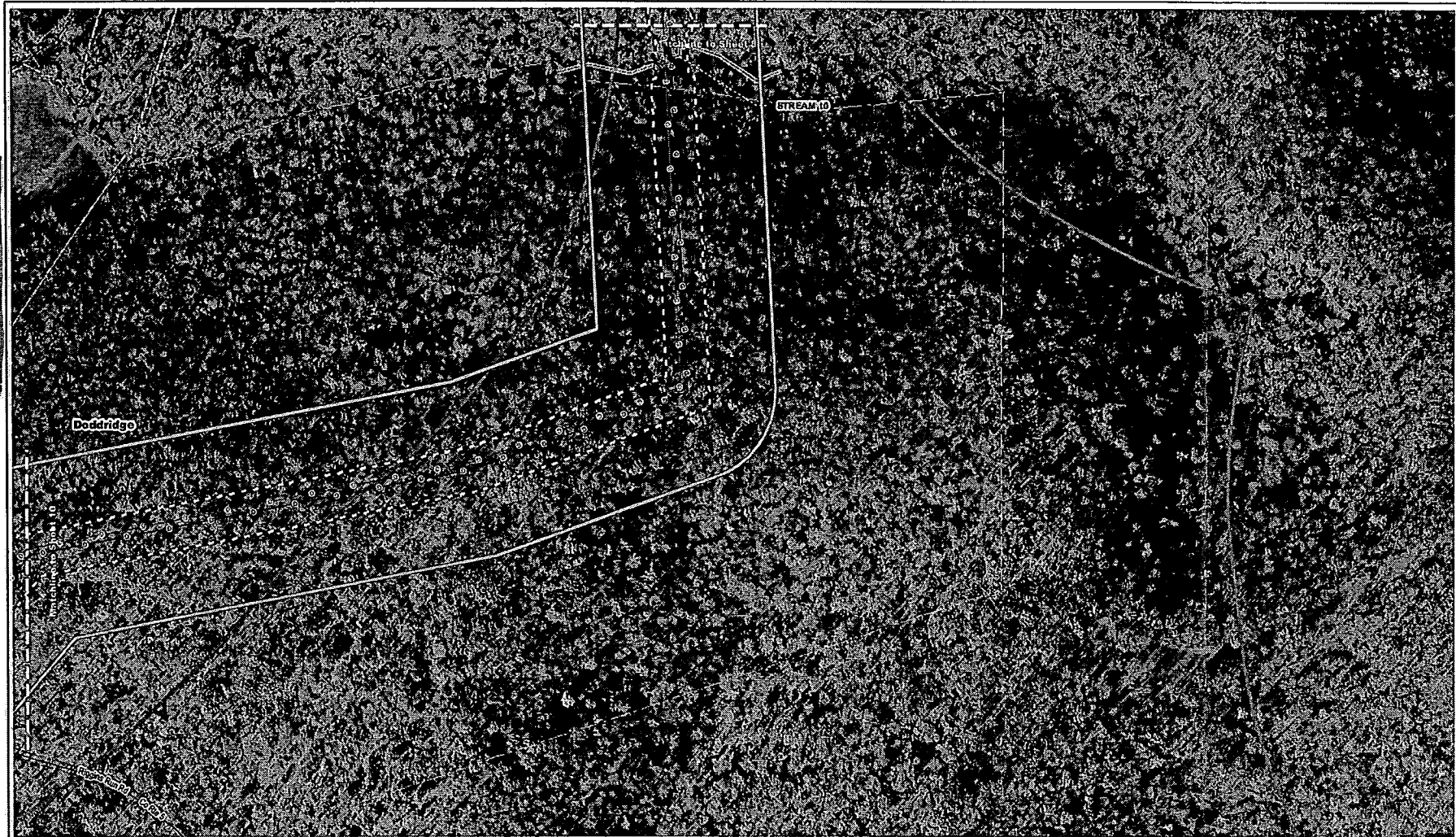


- Proposed 20' Alignment (7.86 mi)
- Proposed 15' Alignment (4.68 mi)
- AOI (420.99 ac)
- LOD (95.20 ac)
- Existing Road
- Delineated Stream
- Perennial
- Intermittent
- Ephemeral
- Delineated PEM Wetland
- Delineated Wetland (By Others)
- Delineated Pond
- Tax Parcel Boundary
- Proposed Rock Construction Entrances
- Proposed Cation North CF (Previously Permitted)
- Proposed Cation North CF LOD (Previously Permitted)
- County Boundary
- FEMA Flood Zone A
- USFWS Aquatic Buffer



PROJECT NO.	139188
DRAWN	6/22/14
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	KCC_140509_Fig2.mxd

<b>Jurisdictional Features Map</b>	FIGURE
North Canton Connector Antero Resources Corporation Dodridge & Tyler Counties, WV	<b>2</b>
	08 of 17

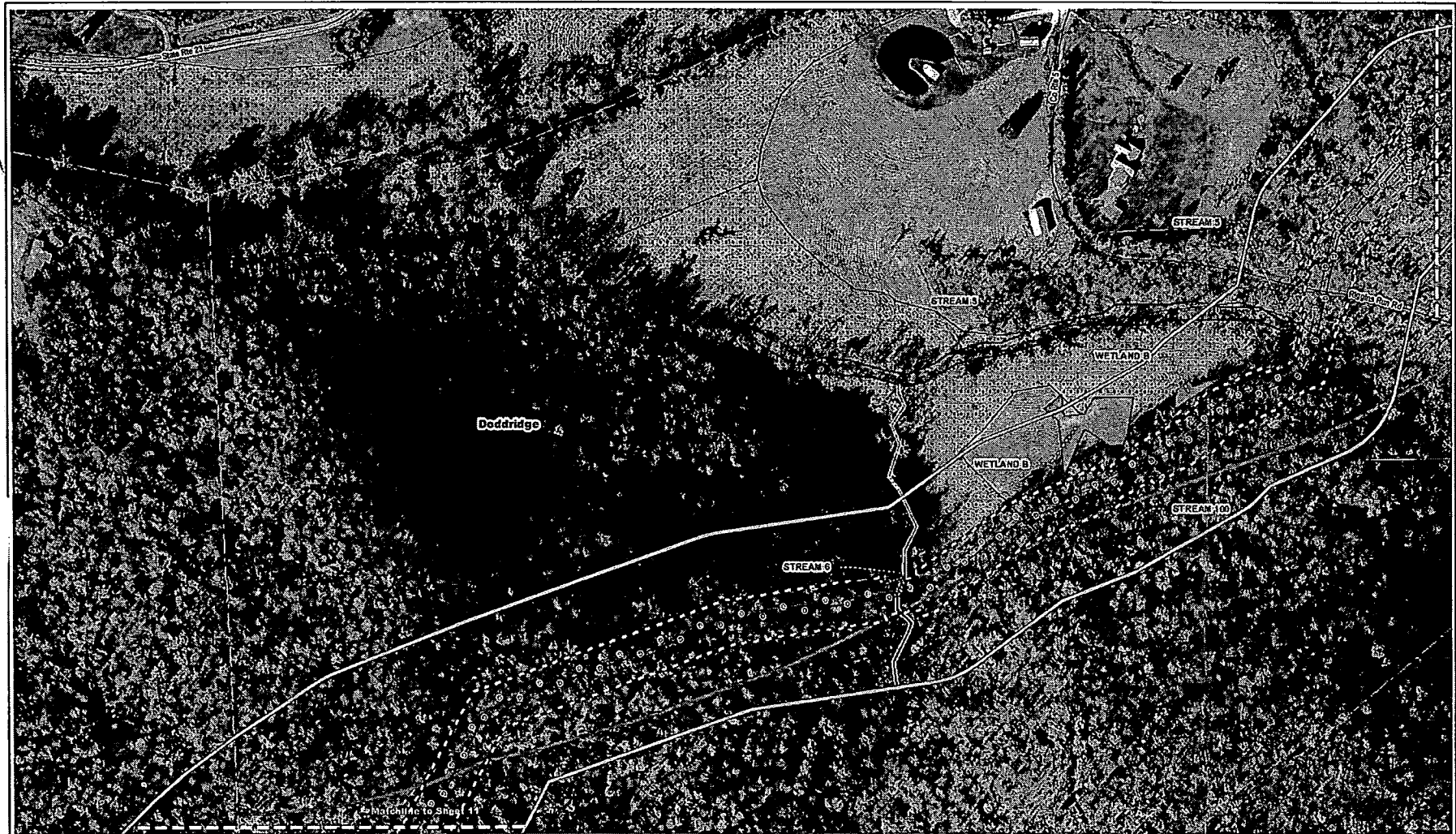


Proposed 27' Alignment (7.86 ac)	Definitized Stream	Definitized FEM Wetland	Proposed Carbon North CF (Previously Permitted)
Proposed 18' Alignment (4.68 ac)	Perennial	Definitized Wetland (By Others)	Proposed Carbon North CF LOD (Previously Permitted)
ACI (420.98 ac)	Intermittent	Definitized Pond	County Boundary
LOD (96.20 ac)	Ephemeral	Tax Parcel Boundary	FEMA Flood Zone A
Existing Road		Proposed Rock Construction Entrance	USFWS Aquatic Buffer

PROJECT NO.	139198
DRAWN BY:	ST2014
CHECKED BY:	MA
FILE NAME:	ICC_VDSR_Fig2.mxd

<b>Jurisdictional Features Map</b>	FIGURE
North Canton Connector Antero Resources Corporation Doddridge & Tyler Counties, WV	<b>2</b>
	09 of 17





0 200 400 Feet

North Arrow  
ESR

Disclaimer: This map was prepared by KLEINFELDER for the project described herein and is not intended to be used for any other purpose. The user of this map assumes all liability for any errors or omissions. The user of this map also assumes all liability for any damages, including consequential damages, arising from the use of this map. The user of this map also assumes all liability for any damages, including consequential damages, arising from the use of this map.

- Proposed 20' Alignment (7.86 mi)
- Proposed 15' Alignment (4.68 mi)
- ACH (420.98 ac)
- LOD (95.20 ac)
- Edging Road
- Delineated Stream
- Perennial
- Intermittent
- Ephemeral
- Delineated PEM Wetland
- Delineated Wetland (By Others)
- Delineated Pond
- Tax Parcel Boundary
- Proposed Rock Construction Entrance
- Proposed Carbon North CF (Previously Permitted)
- Proposed Carbon North CF LOD (Previously Permitted)
- County Boundary
- FEMA Flood Zone A
- USFWS Aquatic Buffer



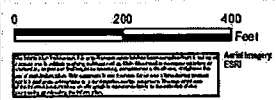
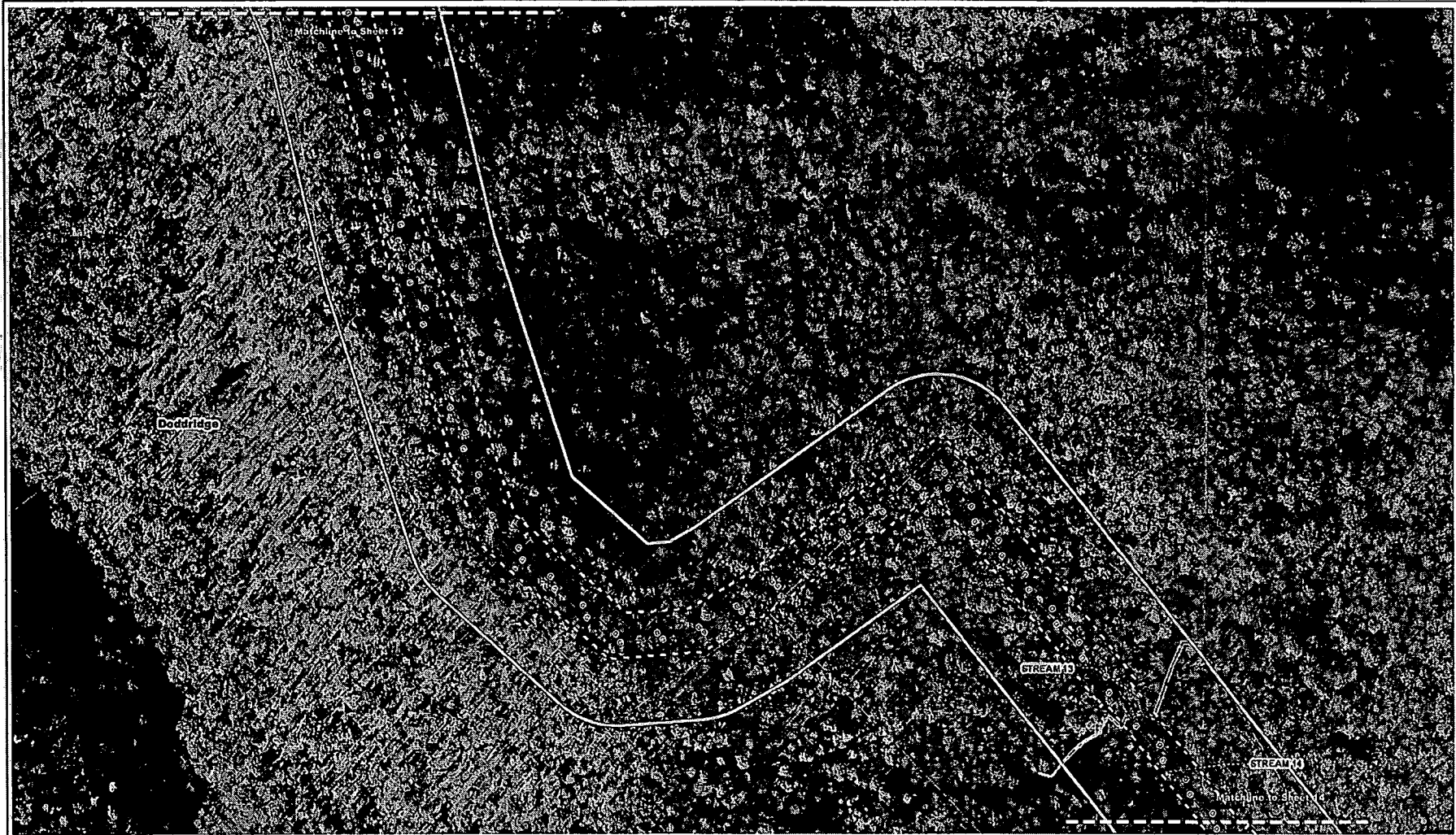
PROJECT NO. 139199  
 DRAWN: 9/20/14  
 DRAWN BY: GHB  
 CHECKED BY: MA  
 FILE NAME: HCC\_VASIR\_Fig1.mxd

**Jurisdictional Features Map**

FIGURE 2

North Canton Connector  
 Antero Resources Corporation  
 Doddridge & Tyler Counties, WV

10 of 17



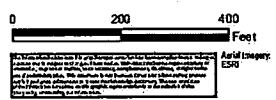
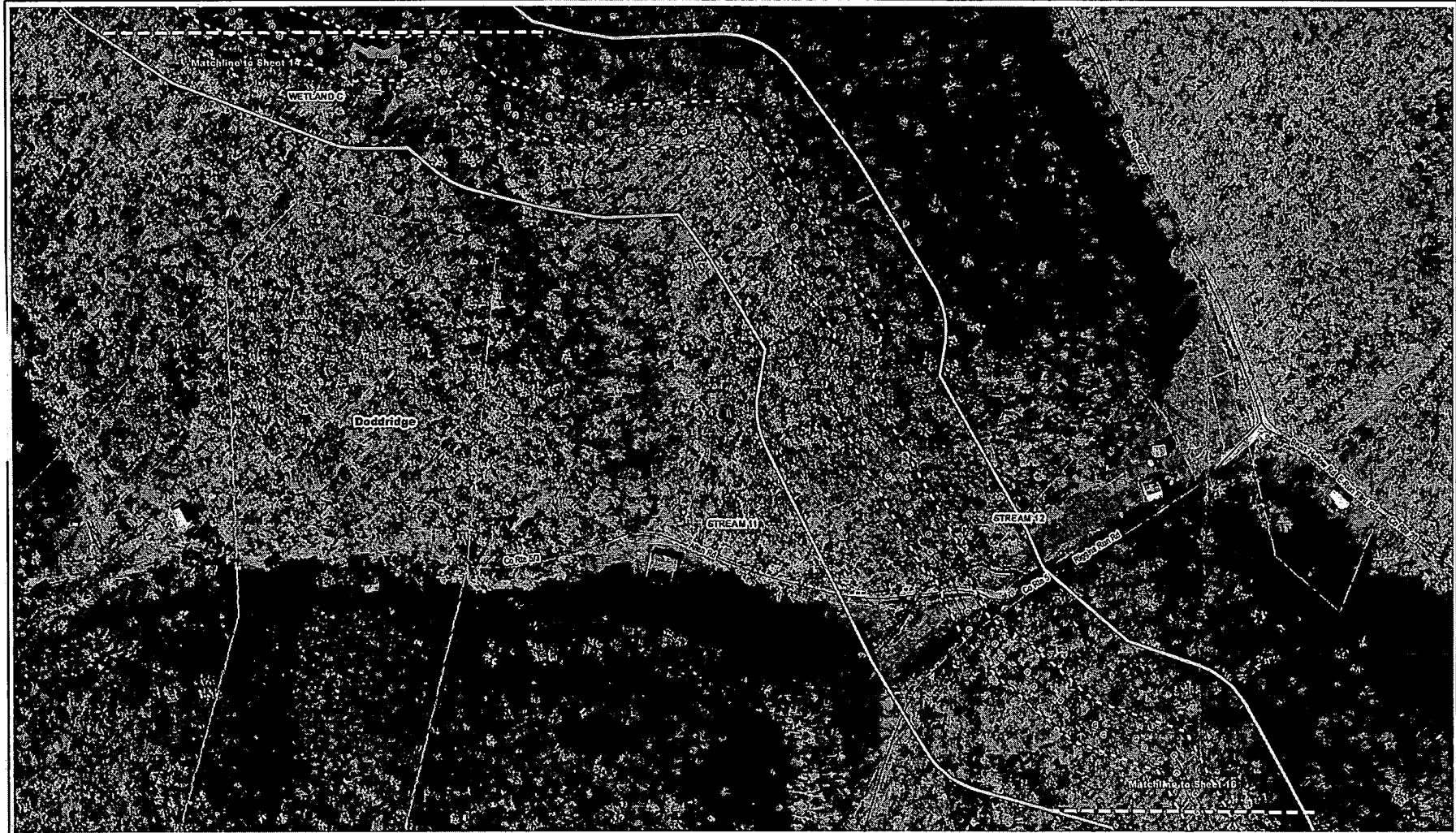
Proposed 20' Alignment (7.65 m)	Delineated Stream	Delineated PEM Wetland	Proposed Canton North CF (Previously Permitted)
Proposed 16' Alignment (4.68 m)	Perennial	Delineated Wetland (By Others)	Proposed Canton North CF LOD (Previously Permitted)
AOI (420.98 ac)	Intermittent	Delineated Pond	County Boundary
LOD (55.20 ac)	Ephemeral	Tax Parcel Boundary	FEMA Flood Zone A
Existing Road	Proposed Rock Construction Entrance	USFWS Aquatic Buffer	



PROJECT NO.	03198
DRAWN BY	SZ20 W
DRAWN BY	GHB
CHECKED BY	MA
FILE NAME	ICC_W05R_Fig1.mxd

**Jurisdictional Features Map**

North Canton Connector  
 Antero Resources Corporation  
 Doddridge & Tyler Counties, WV



Proposed 20' Alignment (7.86 mi)	Delineated Stream	Delineated PEM Wetland	Proposed Carion North CF (Previously Permitted)
Proposed 16' Alignment (4.68 mi)	Perennial	Delineated Wetland (By Others)	Proposed Carion North CF LOD (Previously Permitted)
AOI (420.88 ac)	Intermittent	Delineated Pond	County Boundary
LOD (56.20 ac)	Ephemeral	Tax Parcel Boundary	FEMA Flood Zone A
Existing Road	Proposed Rock Construction Entrance	USFWS Aquatic Buffer	

**KLEINFELDER**  
Bright People. Right Solutions.  
[www.kleinfelder.com](http://www.kleinfelder.com)

PROJECT NO.	439198
DRAWN BY	5/22/14
DRAWN BY	GHB
CHECKED BY	MA
FILE NAME	ICC_V05R_F&L.mxd

<b>Jurisdictional Features Map</b>	FIGURE
North Canton Connector Antero Resources Corporation Doddridge & Tyler Counties, WV	<b>2</b>
	15 of 17

# West Virginia Division of Natural Resources

## Invoice

Pay on-line at <http://wvdnr.gov/REM>

Invoice#: 21484

Comp. ID#: 4524

Bill Date: 06/30/2014

In  
Acct  
With

Antero Resources Corporation  
Attention: Amanda Oates  
1615 Wynkoop Street  
Denver, CO 80202

<u>AGREEMENT</u>	<u>INVOICE PERIOD</u>	<u>AMOUNT PAID</u>	<u>AMOUNT DUE</u>
<u>AGREEMENT DATED 7/1/2014</u> <u>P-14-VI/09-666</u> Steel natural gas pipelines at four (4) locations a twenty inch (20") (N Canton-Canton N CF) at seven (7) locations a sixteen and twenty inch (16" & 20") (Canton N CF-EQT Pipeline) tributaries see Exhibits A-H, Doddridge Co., WV	For 7/1/2014 to 7/1/2024 Land and Streams/DNR	\$0.00	\$4600.00
<b>TOTAL INVOICE:</b>			<b>\$4600.00</b>
<b>NUMBER OF AGREEMENTS:</b>			<b>1</b>

Please Reference Either Invoice Number or Agreement Re: on Payment

WV Division of Natural Resources  
Office of Land & Streams  
324 Fourth Avenue, Room 200  
South Charleston, WV 25303

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT

Nadine Hamilton (304) 558-3225  
[nadine.r.hamilton@wv.gov](mailto:nadine.r.hamilton@wv.gov)



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-8048  
Telephone (304) 558-3225

**Earl Ray Tomblin**  
*Governor*

**Frank Jezloro**  
*Director*

July 11, 2014

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

**Re: LS-14-VI/09-665**

**Antero Resources Corporation**  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you a Right of Entry to install and use a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) at ten (10) separate locations along Elklick Run, Anderson Fork, Laughertys Fork, Riggins Run, an unnamed tributary of McElroy Creek, and unnamed tributaries of Riggins Run, McClellan District, Doddridge County, West Virginia.

This License and Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any stream bed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded, and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Best management practices should be followed. Measures such as hay bales must be used to reduce downstream siltation.
7. Approach roads must be graveled or rocked for a minimum length of fifty feet (50').

Antero Resources Corporation  
LS-14-VI/09-665  
Page 2  
July 11, 2014

8. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0495.

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$1000.00 is now due and payable to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,

  
Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
HUNTINGTON DISTRICT, CORPS OF ENGINEERS  
502 EIGHTH STREET  
HUNTINGTON, WEST VIRGINIA 25701-2070

Regulatory Division  
Energy Resource Branch  
LRH-2014-00463-OHR McElroy Creek;  
North Canton to EQT Pipeline Project

JUL 18 2014

Mr. Brett Fletcher  
Antero Resources Corporation  
1615 Wynkoop Street  
Denver, Colorado 80202

Dear Mr. Fletcher:

I refer to information received in this office on May 13, 2014, and subsequent information received June 20, 2014 requesting Department of the Army (DA) authorization to discharge dredged and/or fill material into waters of the United States (U.S) as a part of the North Canton to EQT Pipeline Project. On-site waters flow into McElroy Creek and its tributaries. McElroy Creek drains to Middle Island Creek, a traditionally navigable water (TNW) of the U.S. The project will be located approximately 1.4 miles south of the community of Roberts at its southern terminus and proceeds generally north north-west to a location approximately 2.0 miles northeast of the community of Shirley at its northern terminus. The project is located in Doddridge and Tyler Counties, West Virginia. This project has been assigned the following file number: LRH-2014-00463-OHR, McElroy Creek. Please reference this file number on all future correspondence related to this project.

The U.S. Army Corps of Engineers (Corps) authority to regulate waters of the U.S. is based, in part, on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act requires that a Department of the Army permit be obtained prior to the discharge of dredged or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 requires that a Department of the Army permit be obtained for any work in, on, over or under a navigable water.

The proposed project, as described in the submitted information, has been reviewed in accordance with Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. Based on your description of the proposed work, and other information available to us, it has been determined that this project will not involve activities subject to the requirements of Section 10, but will involve activities subject to Section 404.

*Preliminary Jurisdictional Determination*

Based on a review of the information provided, and other information available to us, 15 streams, six wetlands, and one pond are located within the delineation boundary as described in

the enclosed table. This office has determined the streams and wetlands may be waters of the U.S. in accordance with the Regulatory Guidance Letter (RGL) for JDs issued by the Corps on June 26, 2008 (RGL No. 08-02). As indicated in the guidance, this preliminary JD is non-binding and cannot be appealed (33 CFR 331.2) and only provides a written indication that waters of the U.S., including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved JD in this instance and at this time. For the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the streams and wetlands described in the attached *Preliminary Jurisdictional Determination Form* will be evaluated as if they are waters of the U.S. Enclosed please find two copies of the preliminary JD. If you agree with the findings of this preliminary JD and understand your options regarding the same, please sign and date one copy of the form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy to the following address:

Mr. Adam Fannin (LRH-2014-00463-OHR McElroy Creek)  
U.S. Army Corps of Engineers, Huntington District  
502 Eight Street  
Huntington, West Virginia 25701

*Nationwide Permit No. 12*

In the Pre-Construction Notification received in this office on May 13, 2014, you have requested DA authorization to temporarily discharge dredged and/or fill material into a total of 223 linear feet of 11 streams and 0.005 acre of five wetlands; and to permanently discharge dredged and/or fill material into a total of 0.02 acre of a single wetland at five single and complete permit areas associated with the North Canton to EQT Pipeline Project. The discharge of dredged and/or fill material into waters of the U.S. will facilitate the construction of a 4.68 mile 16-inch steel natural gas pipeline and a 7.86 mile 20-inch steel natural gas pipeline. The information submitted indicates the streams and wetlands which are temporarily affected by the pipeline installation will be restored to pre-construction conditions upon completion of the project. Additionally, you note that matting would be utilized for equipment crossings of streams and wetlands which are not crossed by access roads or the pipeline routes to avoid discharges into waters of the U.S.

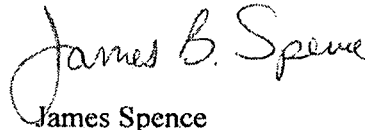
Based on your description of the proposed work, and other information available to us, it has been determined the proposed discharge of dredged and/or fill material into waters of the U.S., for the construction of the North Canton to EQT Pipeline Project meets the criteria for authorization under Nationwide Permit (NWP) #12 under the February 21, 2012 Federal Register, Notice of Reissuance of NWPs (77 FR 10184) provided you comply with all terms and conditions of the enclosed material. The West Virginia Department of Environmental Protection has issued a §401 Water Quality Certification, with conditions, for this NWP. A copy of this NWP can be found on our website at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this nationwide permit authorization does not obviate the requirement to obtain other Federal, state or local authorizations required by law. A copy of this NWP and letter



must be supplied to your project engineer responsible for construction activities. Upon completion of the work, the attached certification must be signed and returned to this office. If you have any questions concerning the above, please contact Mr. Adam Fannin at (304) 399-6901 or by email at Adam.E.Fannin@usace.army.mil.

Sincerely,

A handwritten signature in cursive script that reads "James B. Spence". The signature is written in black ink and is positioned above the printed name.

James Spence  
Regulatory Project Manager  
Energy Resources Branch

Enclosures

RD-E-AEF

Permit Number LRH-2014-00463-LKR, McElroy Creek;  
North Canton to EQT Pipeline Project

Name of Permittee: Mr. Brett Fletcher  
Antero Resources Corporation  
1615 Wynkoop Street  
Denver, Colorado 80202

Date of Issuance: 7/18/2014

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

Huntington District  
U.S. Army Corps of Engineers  
502 8<sup>th</sup> Street  
Huntington, West Virginia 25701-2070  
Attn: RD-E

Please note that your permitted activity is subject to a compliance inspection by an United States Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date



**DIVISION OF NATURAL RESOURCES**

324 Fourth Avenue, Room 200  
South Charleston WV 25303-1228  
TDD (304) 558-1439  
TDD 1-800-354-6087  
Fax (304) 558-6048  
Telephone (304) 558-3225

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

July 23, 2014

Division of Natural Resources  
**RIGHT OF ENTRY**

**Re: LS-14-VI/09-1116**

Antero Resources Corporation  
Brett Fletcher  
c/o Kleinfelder East, Inc.  
Attention: Heather Krepsik  
230 Executive Drive, Suite 122  
Cranberry Township, PA 16066-

Dear Mr. Fletcher:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry for the purpose of installing and maintaining a matting and pallets crossing (North Canton Pipeline to EQT Pipeline, North Canton Connector Project) at four (4) separate locations along Riggins Run, an unnamed tributary of Elklick Run, and an unnamed tributary of Ralphs Run near Shirley in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
4. Green concrete must not be put in the stream (highly toxic to aquatic life).
5. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year flood flow.
6. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Antero Resources Corporation  
LS-14-VI/09-1116  
Page 2  
July 23, 2014

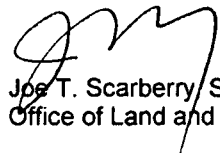
7. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
8. Durable head walls of logs, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
9. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, 601 57<sup>th</sup> Street S.E., Charleston, West Virginia 25304-2345, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment is now due and payable in the amount of \$400.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,



Joe T. Scarberry, Supervisor  
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist  
Mr. Mike Zeto, Environmental Enforcement  
DNR Conservation Officers



**DIVISION OF NATURAL RESOURCES**  
**Wildlife Resources Section**  
**Operations Center**  
**P.O. Box 67**  
**Elkins, West Virginia 26241-3235**  
**Telephone (304) 637-0245**  
**Fax (304) 637-0250**

**Earl Ray Tomblin**  
*Governor*

**Frank Jezioro**  
*Director*

February 25, 2014

Mr. Brett F. Fletcher  
Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

Dear Mr. Fletcher:

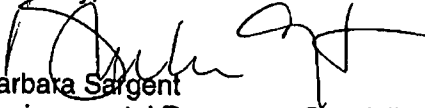
We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the project area. Although horizontal directional drilling will be used for the McElroy Creek crossing, coordination with the US Fish and Wildlife Service is required since this is an endangered mussel stream. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

  
Barbara Sargent  
Environmental Resources Specialist  
Wildlife Diversity Unit

enclosure

cc: Heather S. Krepsik - Kleinfelder

S:\Monthly\Barb\Invoices\Antero3.doc



**DIVISION OF NATURAL RESOURCES**  
Wildlife Resources Section  
Operations Center  
P.O. Box 67  
Elkins, West Virginia 26241-3235  
Telephone (304) 637-0245  
Fax (304) 637-0250

Earl Ray Tomblin  
Governor

Frank Jezioro  
Director

February 25, 2014

Mr. Brett F. Fletcher  
Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

Dear Mr. Fletcher:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

We have no known records of any RTE species or sensitive habitats within the project area. Although horizontal directional drilling will be used for the McElroy Creek crossing, coordination with the US Fish and Wildlife Service is required since this is an endangered mussel stream. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

  
Barbara Sargent  
Environmental Resources Specialist  
Wildlife Diversity Unit

enclosure

cc: Heather S. Krepsik - Kleinfelder

S:\Monthly\Barb\Invoices\Antero3.doc

NO. 214-545

**INVOICE**

***West Virginia Division of Natural Resources***

Wildlife Resources Section, P.O. Box 67, Elkins, WV 26241

Attention: Ms. Patty Fordyce

**In Account With:** Antero Resources Corporation  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202

**Date:** February 25, 2014

**Attention:** Mr. Brett F. Fletcher

---

For the retrieval and compilation of information on rare, threatened and endangered species and sensitive habitats for the proposed North Canton Pipeline to EQT Pipeline (North Canton Connector) project in Doddridge and Tyler counties, WV.

**AMOUNT DUE: \$75.00**

Make check payable to WV Division of Natural Resources. **Please reference the invoice number on your check.** Mail to the above address and to the attention of Ms. Fordyce.



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

West Virginia Field Office  
694 Beverly Pike  
Elkins, West Virginia 26241

### Concurrence Form for Freshwater Mussel Survey Plans

Contact Name: Casey D. Swecker, Aquatic Scientist/Project Manager

Email Address or Fax Number: CSwecker@EnvironmentalSI.com

Project: North Canton Connector Project Crossing, Doddridge Co., WV

The U.S. Fish and Wildlife Service has reviewed the survey plan you submitted on 4/22/14 and we concur with the proposed survey methods. You propose surveys on McElroy Creek within a stream reach that could contain federally endangered freshwater mussels.

Should any federally listed freshwater mussels be located during this survey, you should immediately contact this office to determine if additional survey efforts should be completed and further discuss avoidance and minimization measures that could be implemented. This additional information will assist the Service and your client(s) in any consultations conducted under section 7 of the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U. S. C. 1531 *et seq.*). Please note that relocation of federally listed mussels is not authorized.

We request that the following be provided in the final survey reports:

- 1) Name, permit number, and location (latitude, longitude) of the proposed project;
- 2) A map with the project boundary and survey boundary indicated;
- 3) A description of the results of the survey effort, including the species of mussels located, the number of individuals of each species, and the location of any federally listed mussels;
- 4) The dates that the surveys were conducted, and a description of the habitat conditions found during the survey effort, including visibility, substrate types, water temperatures and depths;
- 5) Photographs of species located and the survey area;
- 6) Copies of field data sheets; and
- 7) Any additional information that may be relevant.

Please be aware that these survey activities require a valid West Virginia Scientific Collectors Permit, which can be acquired from the West Virginia Division of Natural Resources, Elkins Operation Center, Ward Road, Elkins, West Virginia 26241 (contact Barbara Sargent at 304-637-0245). Please provide a copy of your valid permit with your final report. **All federally listed species captured must be reported to the U.S. Fish and Wildlife Service, West Virginia Field Office, within 5 business days.** If you have questions regarding this finding or report requirements, please contact our office at (304) 636-6586 or at the letterhead address.

Tierran Hennow Date: 5/5/14  
Biologist

John E. Schmidt Date: 5/7/14  
John E. Schmidt, Field Supervisor



**Property Owner Table - Doddridge County**

**Antero Midstream LLC - North Canton Pipeline to EQT Pipeline Project (North Canton Connector) - Access Road 10**

Property Owner Name	Mailing Address	Floodplain Crossing	Parcel ID	Deed Book Reference	Land Book Description
<b>HOST PROPERTIES (INSIDE FLOODPLAIN)</b>					
Gaspell Shawn A	RT 2 BOX 230 WEST UNION WV 26456	Riggins Run	5-11-34	Book 271, Page 230	MCELROY 265.27 AC SIX TRS RT.5 RIGGINS RUN RD.
<b>PROPERTY OWNERS ABUTTING HOST PROPERTIES - INSIDE FLOODPLAIN</b>					
Cutright Nancy Jane Sees	135 MARIE ST PARKERSBURG WV 26104	Riggins Run	5-11-14	Book 257, Page 600	MCELROY 150 AC INT O&G ST. RT.23 & RT.5
Cutright Nancy Jane Sees	135 MARIE ST PARKERSBURG WV 26104	Riggins Run	5-11-15	Book 257, Page 598	MCELROY 37 AC STAR RT W UNION RT 23
Coffman Christopher L	HC 67 BOX 124 WEST UNION WV 26456	Riggins Run	5-11-16	Book 214, Page 666	107.94 AC MCELROY TWO TRACTS ST. RT 23-ASHLEY
Ash Robert M	2500 FAIRMONT AVE FAIRMONT WV 26554	Riggins Run	5-11-18	Book 229, Page 178	MCELROY 35.42 AC ST.RT.23 ASHLEY
Swiger Larry D	HC 67 BOX 121 WEST UNION WV 26456	Riggins Run	5-11-24	Book 177, Page 259	MCELROY 90.83 AC ST.RT.23
McClain John H	HC 67 BOX 125 WEST UNION WV 26456	Riggins Run	5-11-25	Book 271, Page 33	MCELROY 34.6 AC 34 AC 96 PO ST.RT.23 ASHLEY
Zack Donald E Sr	HC 67 BOX 132 WEST UNION WV 26456	Riggins Run	5-11-29	Book 279, Page 509	MCELROY 46.87 AC 46 AC 140 PO ST.RT.23
Crawford Edison I	HC 67 BOX 122-A WEST UNION WV 26456	Riggins Run	5-11-32	Book 251, Page 538	1.5 AC MCELROY CK ST. RT 23
Gaspell Mary Lee	RT 2 BOX 192 SALEM WV 26426	Riggins Run	5-11-33	Will Book 33, Page 513	MCELROY 50 AC RT 23
Swiger Michael W & Jodi	RT 2 BOX 231 WEST UNION WV 26456	Riggins Run	5-11-34.1	Book 261, Page 653	4.5 AC MCELROY RT 5
Bonnell Arnold Lee	RT 1 BOX 108 LUMBERPORT WV 26386	Riggins Run	5-17-3.13	Will Book 38, Page 584	.93 RIGGINS RUN RT 5
Bonnell Arnold Lee	RT 1 BOX 108 LUMBERPORT WV 26386	Riggins Run	5-17-3.7	Will Book 38, Page 584	RIGGINS RUN 60.71 AC RIGGINS RUN ROAD
<b>PROPERTY OWNERS ABUTTING HOST PROPERTIES - OUTSIDE FLOODPLAIN</b>					
Gaspell Mary L	RT 2 BOX 192 SALEM WV 26426	Riggins Run	5-17.3.3	Will Book 33, Page 513	RIGGINS RUN 100 AC OFF RT 5 RIGGINS RUN ROAD
Hammett, Samuel C. & Sherri L.	955 Null Creek Rd Waverly WV 26184	Riggins Run	5-17-5	Book 288, Page 454	131 AC RALPHS RUN RT 12 RALPHS RUN ROAD
Underwood John M & Conni	1158 HERMINIE WEST NEWTON DR WEST NEWTON PA 15089 3086	Riggins Run	5-17-9	Book 186, Page 407	84AC RALPHS RUN RT. 12-RALPH'S RUN ROAD
Wintill Vincent C & Bett	1316 ROYAL RD VENICE FL 34293	Riggins Run	5-18-1	Book 168, Page 431	RAGANS RUN 116.75 AC

**Note:** Shaded property owners as shown above are located directly upstream and downstream of the host property where the proposed crossing of the floodplain occurs.

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*  
*# 14-282*

was published in said paper for *2*

successive weeks beginning with the issue  
of *September 16<sup>th</sup>* 2014 and  
ending with the issue of

*September 23<sup>rd</sup>* 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

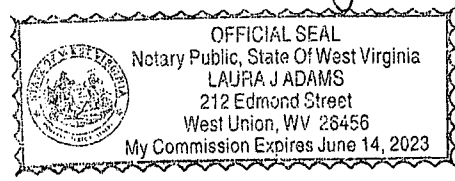
BEFORE ME THIS THE *25<sup>th</sup>* DAY

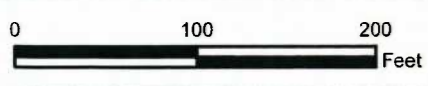
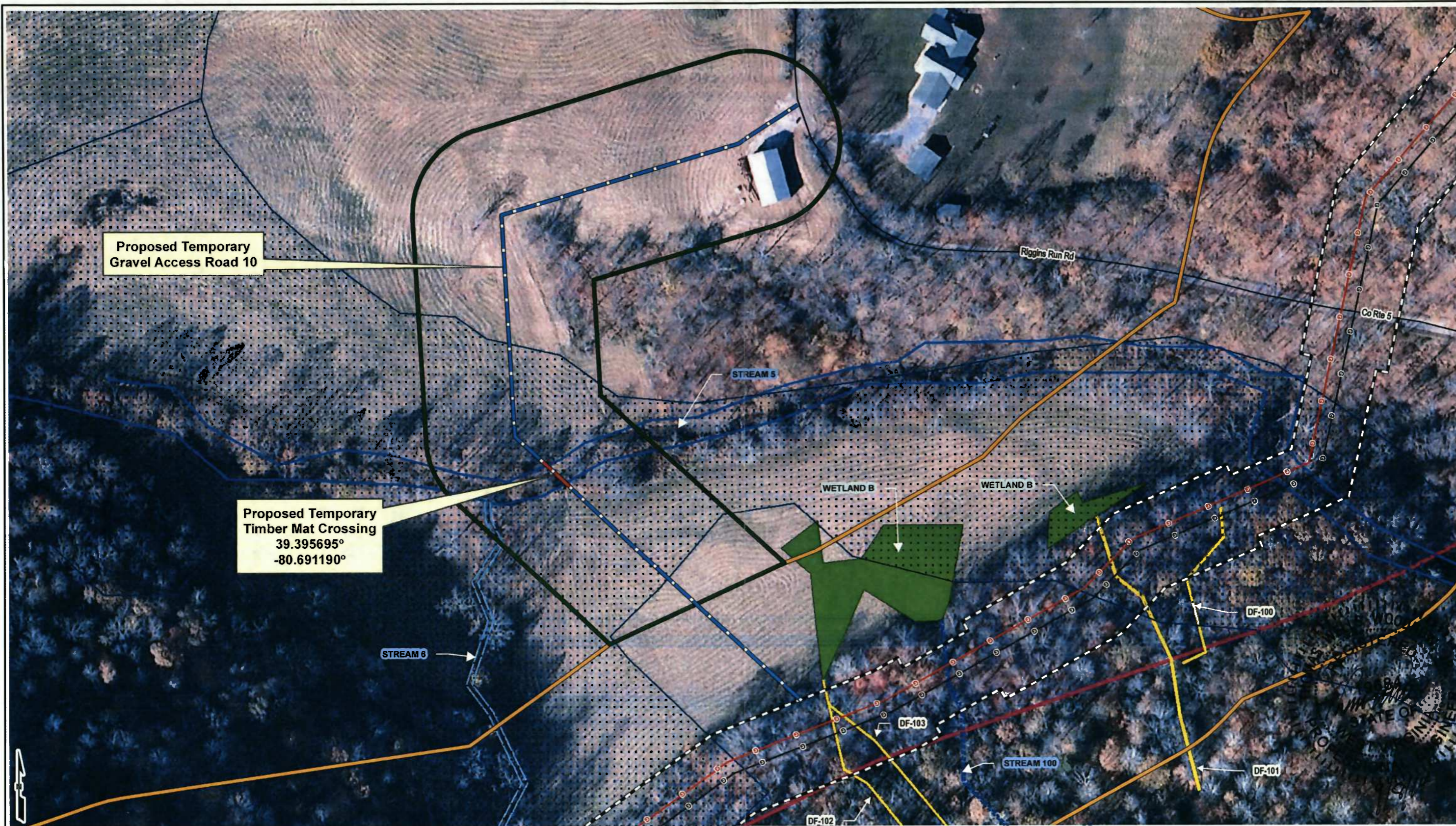
OF *September* 2014

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 39:395695N/80:691490W Permit #14-  
282 North Canton Connector Access Road 10. The  
Application is on file with the Clerk of the County Court  
and may be inspected or copied during regular business  
hours. 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. Bostwick, Doddridge County Flood Plain  
Manager  
9-16-2014





The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. It neither makes nor represents or warrants, 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 legal survey instrument. It is a design 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 and is not the responsibility of the provider.

- Proposed 20" Alignment (7.86 mi)
- Proposed 16" Alignment (4.68 mi)
- AOI (524.65 ac)
- Temporary Access Road AOI (4.11 ac)
- LOD (95.20 ac)
- Proposed Access Road
- Proposed Temporary Timber Mat Crossing
- 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
- USFWS Aquatic Buffer

**KLEINFELDER**  
Bright People. Right Solutions.  
[www.kleinfelder.com](http://www.kleinfelder.com)

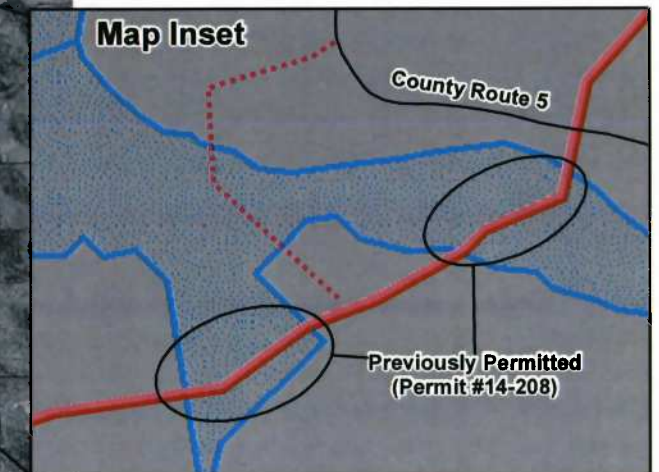
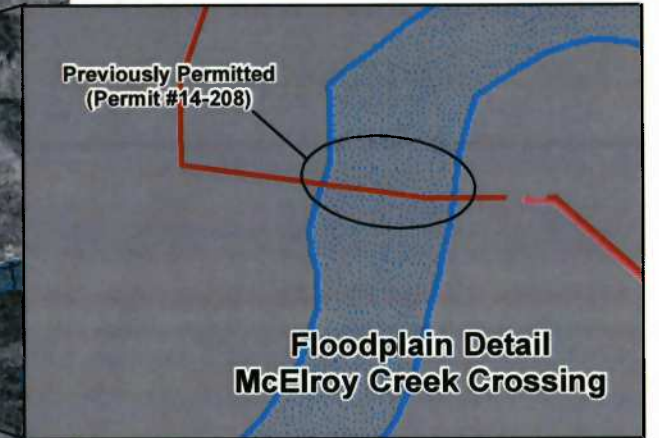
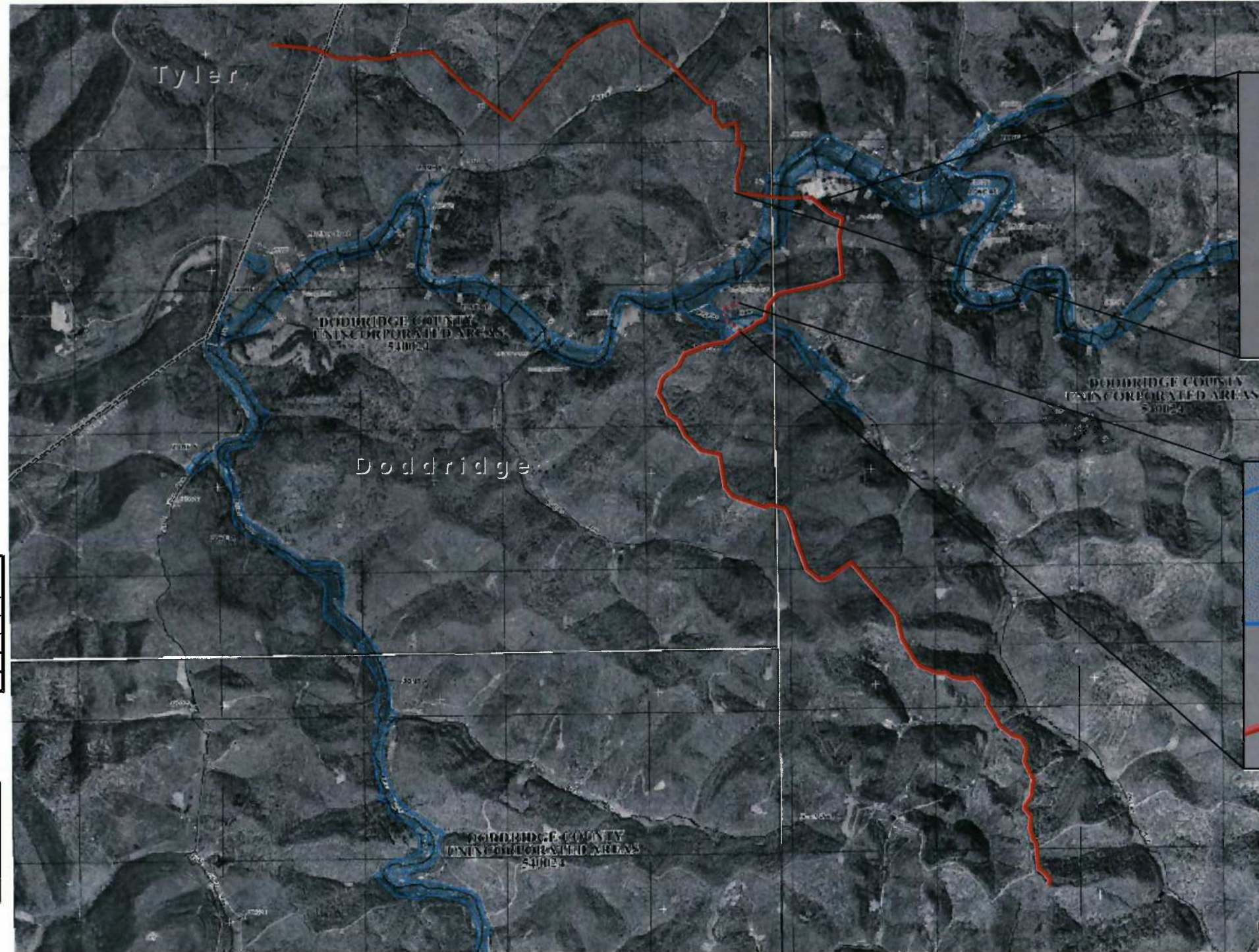
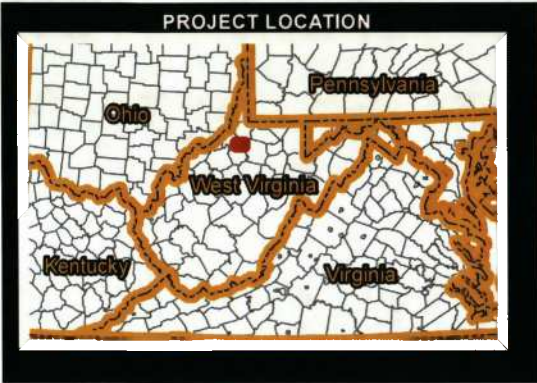
PROJECT NO.	139198
DRAWN:	9/3/2014
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	NCC_WDSIR_AR10_Amend.mxd

**Design Drawings**

**North Canton Connector  
Temporary Gravel Access Road 10  
Antero Midstream LLC  
Doddridge & Tyler Counties, WV**

FIGURE  
**1**  
Sheet 2 of 2

**NORTH CANTON CONNECTOR  
ACCESS ROAD 10  
FEMA FIRM 54017C0040C & 54017C0045C  
ANTERO MIDSTREAM LLC**



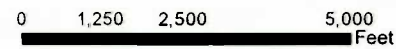
**SITE LOCATIONS - ACCESS ROAD  
NAD 83**

Northern Terminus (UTM Meters)	N=526574.6 m	E=4360777.4 m
Southern Terminus (UTM Meters)	N=526631.4 m	E=4360698.4 m
	<b>LATITUDE</b>	<b>LONGITUDE</b>
Northern Terminus	39.396084	-80.691377
Southern Terminus	39.395370	-80.690721

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

**FLOODPLAIN CONDITIONS**

DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	YES
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:	0.2



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 and/or misusing the information.

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

**Legend**

- ..... North Canton Connector Access Road 10 (0.20 mi)
- Proposed 20" Alignment (7.86 mi)
- Proposed 16" Alignment (4.68 mi)
- FEMA Floodplain
- County Boundary

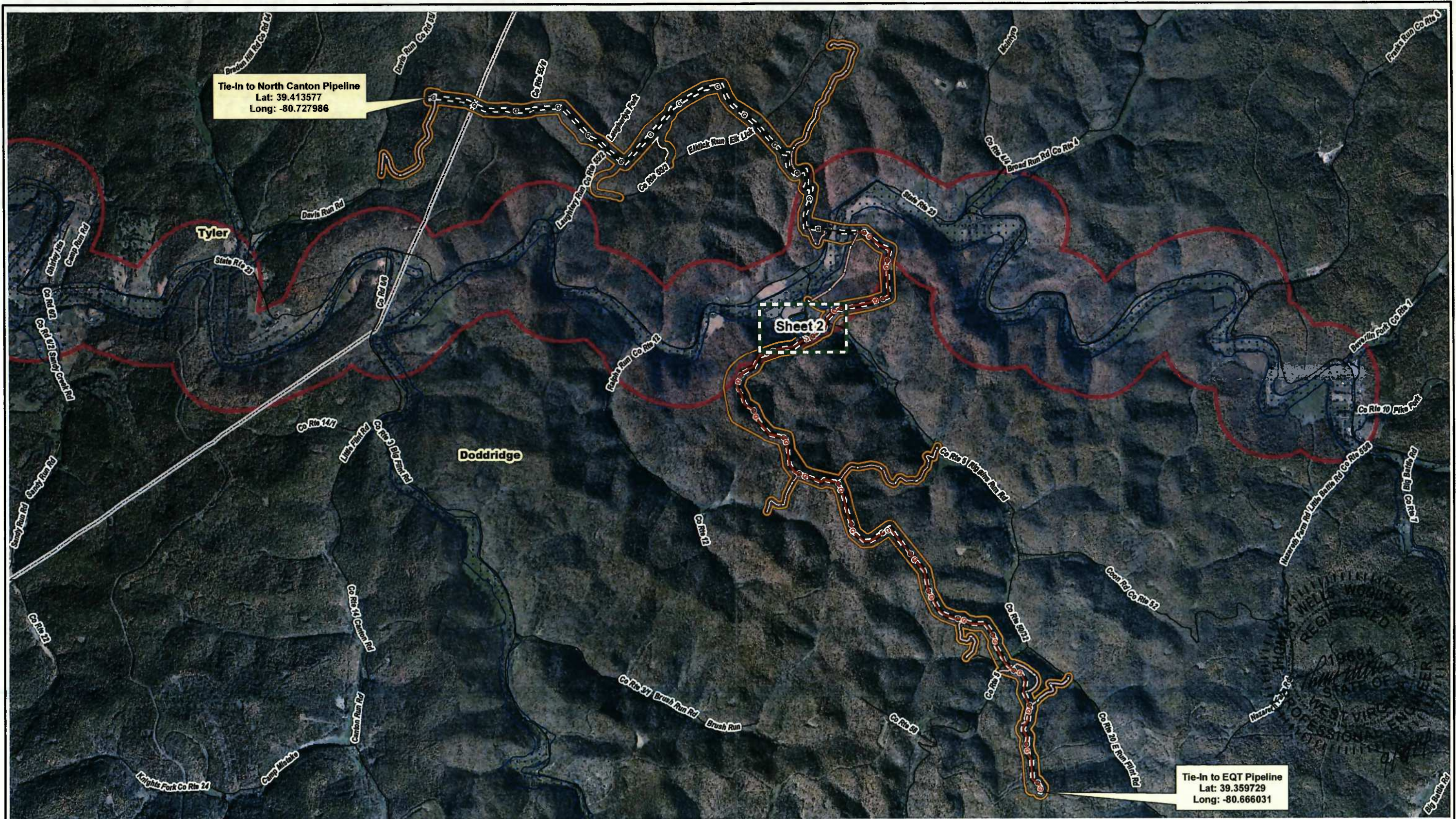


PROJECT NO.	139198
DRAWN:	9/4/2014
DRAWN BY:	A.Leonard
CHECKED BY:	N.Peace
FILE NAME:	NorthCantonConnectorAR10_FEMA_v1.mxd

**Antero Midstream LLC**  
North Canton Connector  
Access Road 10  
Doddridge and Tyler Counties  
West Virginia  
Flood Insurance Rate Map

FIGURE

**1**



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 in the use of such information. The document is not intended for use as a land survey product and is designed or intended as a construction design document. The use or reliance on the information contained on this graphic representation is at the sole risk of the party using or relying on the information.

Aerial Imagery:  
ESRI

- Proposed 20" Alignment (7.86 mi)
- Proposed 16" Alignment (4.68 mi)
- AOI (525.32 ac)
- Access Road AOI (4.11 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

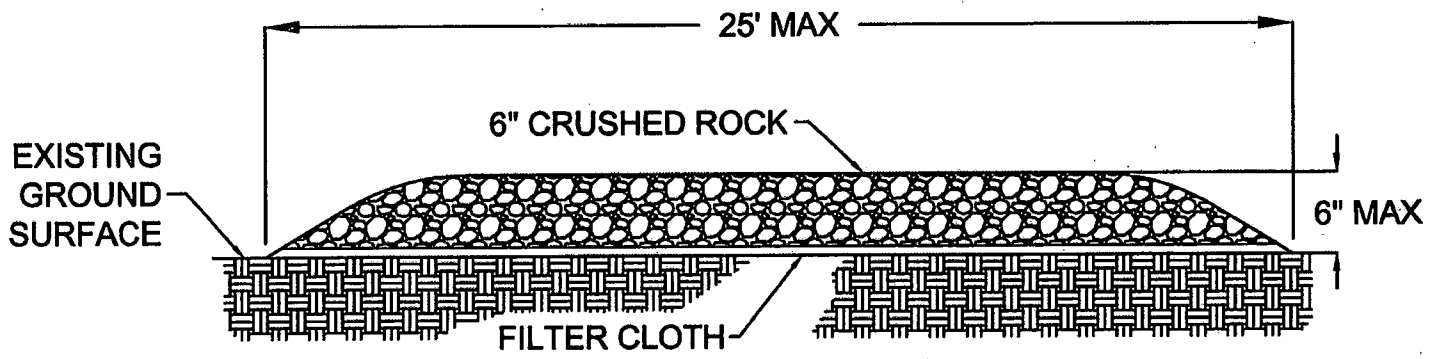


PROJECT NO.	139198
DRAWN:	9/3/2014
DRAWN BY:	GHB
CHECKED BY:	MA
FILE NAME:	NCC_WDSIR_AR10_Amend.mxd

**Design Drawings**

**North Canton Connector  
Temporary Gravel Access Road 10  
Antero Midstream LLC  
Doddridge & Tyler Counties, WV**

FIGURE  
**1**  
Sheet 1 of 2



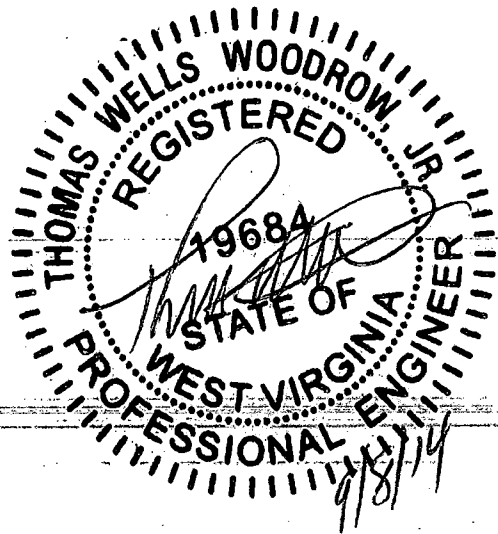
**CROSS SECTION**

**CONSTRUCTION SPECIFICATIONS:**

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

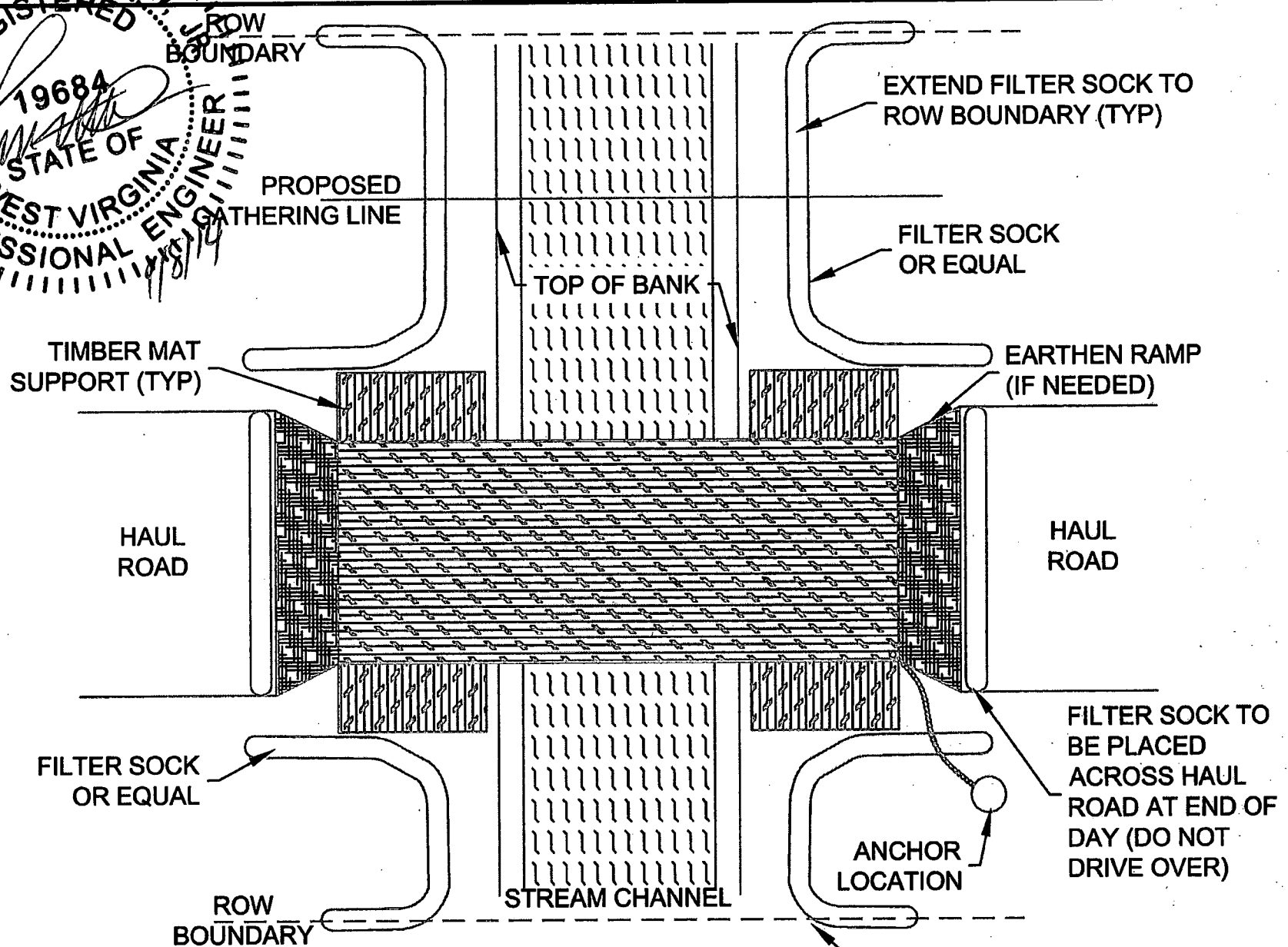
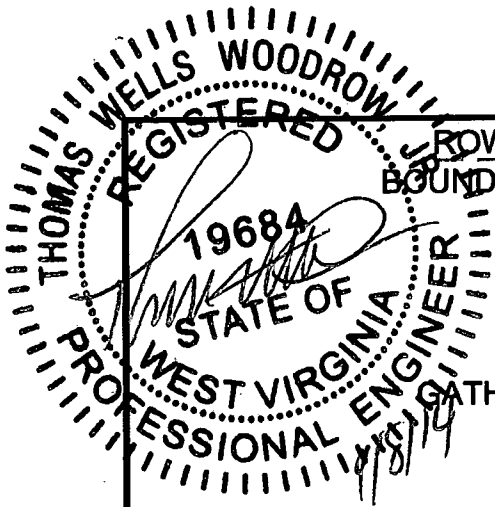
**MAINTENANCE:**

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.

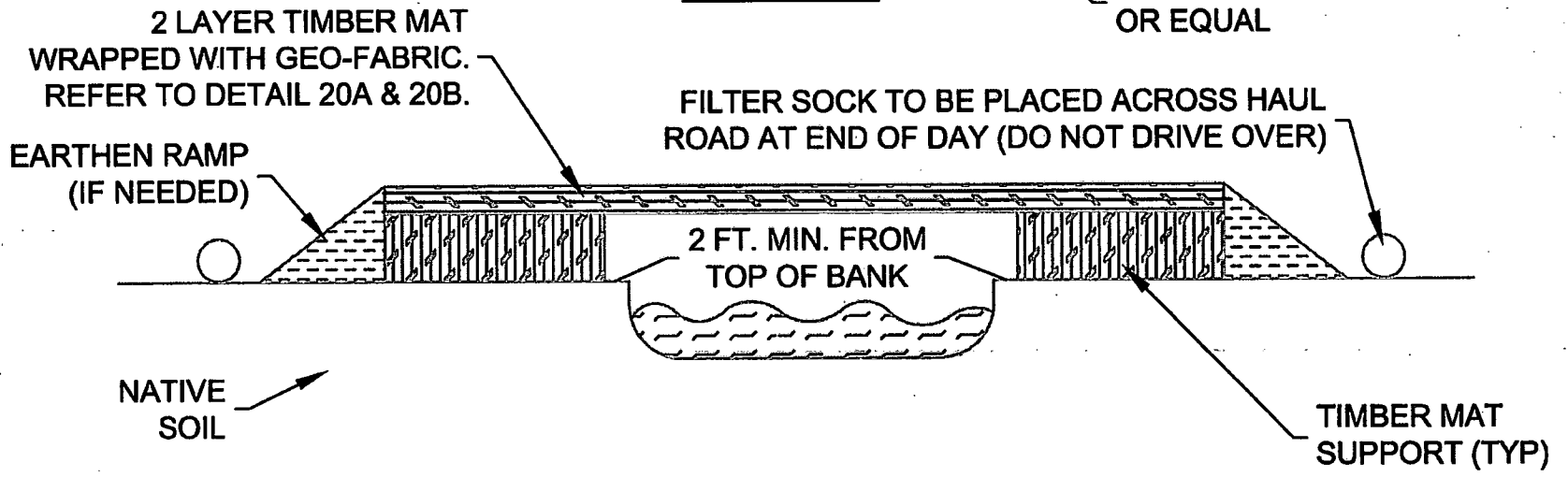


1 TEMPORARY GRAVEL ACCESS ROAD  
NTS

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



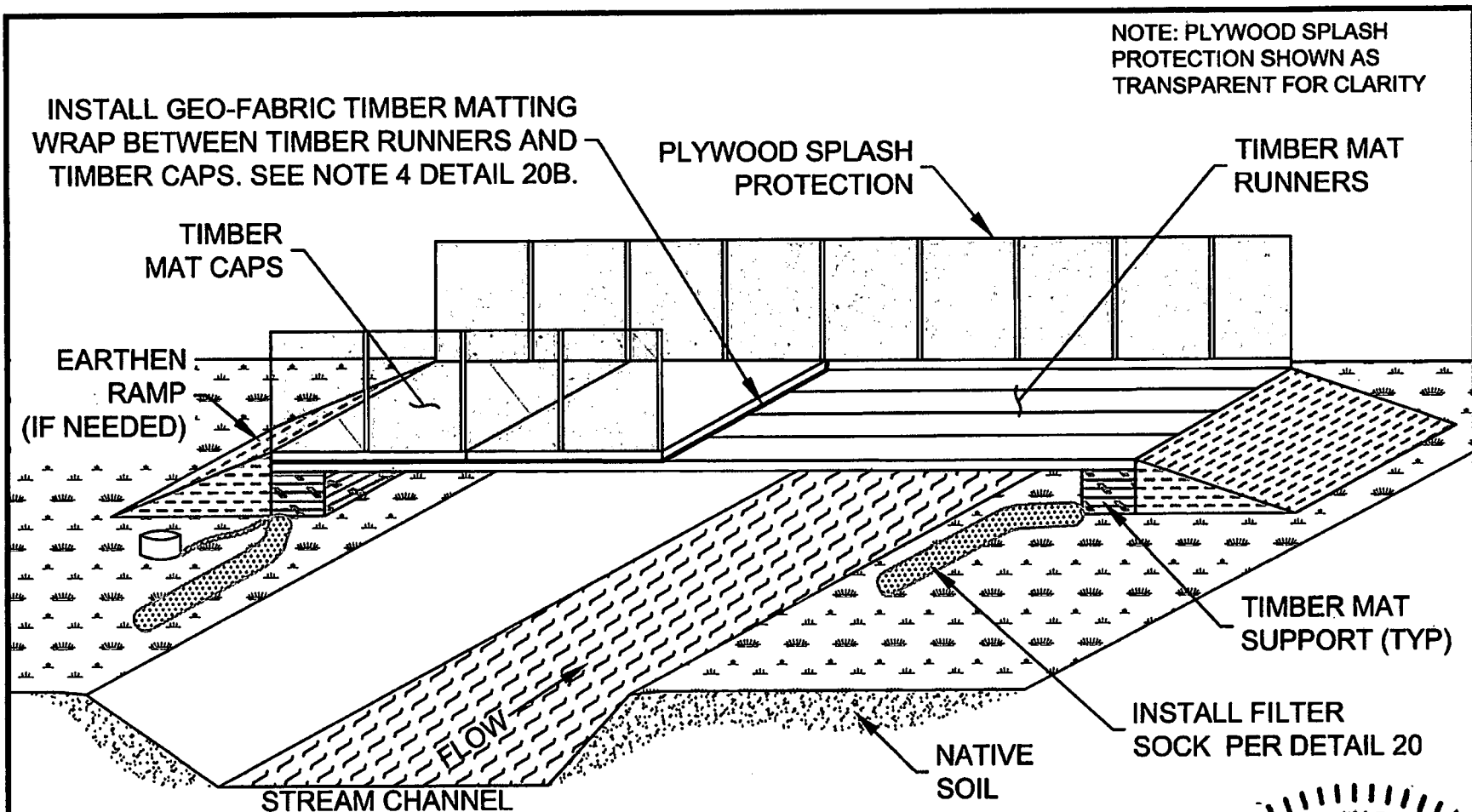
**PLAN VIEW**



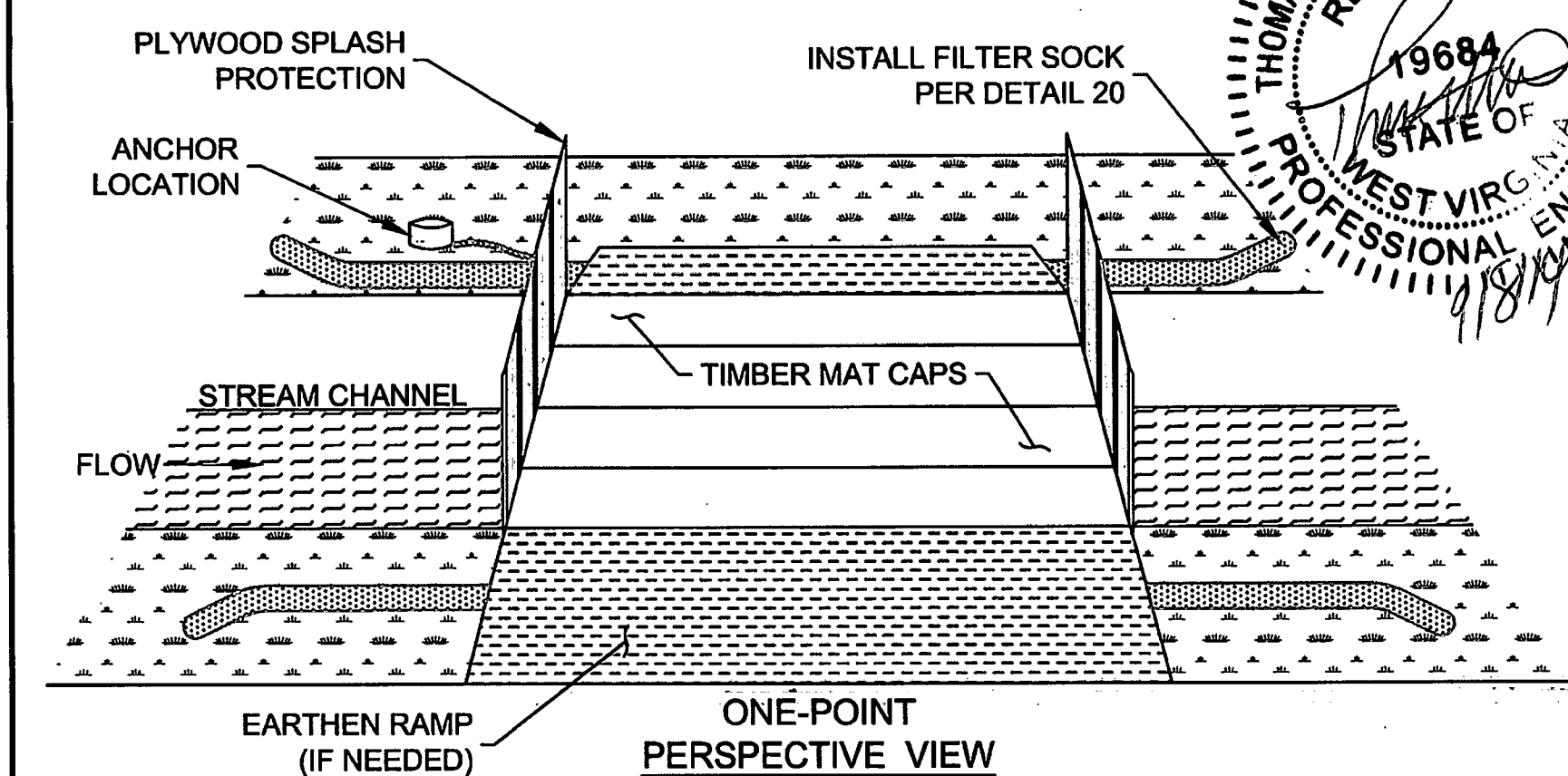
**PROFILE VIEW**

**2** TYPICAL EROSION AND SEDIMENT CONTROL FOR STREAM CROSSINGS  
NTS

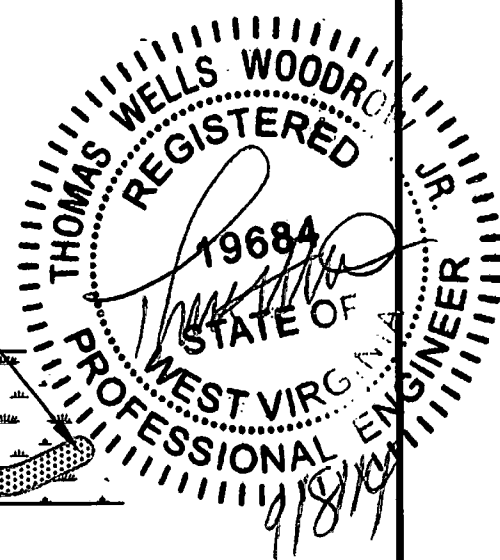
	PROJECT NO. 139198	<b>TYPICAL E&amp;SC FOR STREAM CROSSINGS NORTH CANTON CONNECTOR</b>	DETAIL
	DATE: 09-04-14		<b>2</b>
	DRAWN BY: MDI		
	CHECKED BY: JBC		
	FILE NAME: DETAIL SHEETS.dwg		



TRIMETRIC PROJECTION VIEW



ONE-POINT PERSPECTIVE VIEW



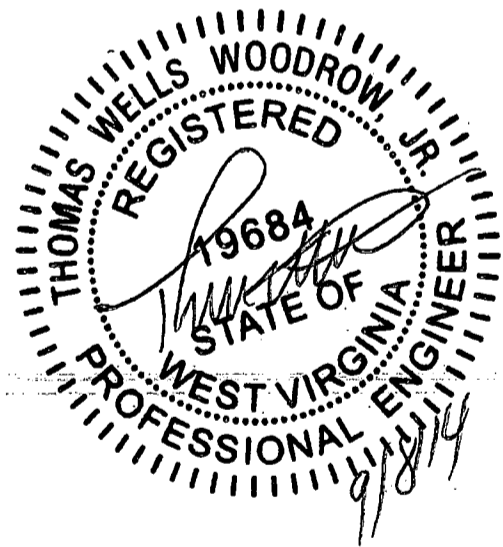
2A TYPICAL EROSION AND SEDIMENT CONTROL FOR STREAM CROSSINGS  
NTS


	PROJECT NO. 139198	<b>TYPICAL E&amp;SC FOR STREAM CROSSINGS NORTH CANTON CONNECTOR</b>	DETAIL
	DATE: 09-04-14		<b>2A</b>
	DRAWN BY: MDI	ANTERO MIDSTREAM LLC NORTH CANTON CONNECTOR DODDRIDGE & TYLER COUNTIES, WV	
	CHECKED BY: JBC		
	FILE NAME:		
DETAIL SHEETS.dwg			



**CONSTRUCTION SPECIFICATIONS AND GENERAL SPECIFICATIONS:**

1. CROSSING ALIGNMENT SHALL BE AT RIGHT ANGLE TO THE STREAM. WHERE THE APPROACH CONDITIONS DICTATE, THE CROSSING MAY VARY 15 DEGREES FROM THE LINE DRAWN PERPENDICULAR TO THE CENTERLINE OF THE STREAM.
2. TIMBER MATTING RUNNERS SHALL BE PLACED PERPENDICULAR TO STREAM AND ADJACENT TO ONE ANOTHER.
3. TIMBER MATTING CAPS SHALL BE PLACED PARALLEL TO STREAM AND ADJACENT TO ONE ANOTHER FOR THE ENTIRE SPAN OF THE BRIDGE.
4. TIMBER MATTING CAPS SHALL BE WRAPPED UNDERNEATH AND ALONG THE SIDES OF TIMBER MAT WITH GEO-FABRIC MATERIAL OR APPROVED EQUAL. EXTEND GEO-FABRIC MATERIAL AT MINIMUM 5 FEET ON EITHER SIDE TO ALLOW ENOUGH MATERIAL TO WRAP UP AND TIE INTO PLYWOOD SPLASH PROTECTION FENCING TO CONTROL SEDIMENT FROM ENTERING STREAM.
5. PLYWOOD SPLASH PROTECTION FENCING SHALL BE SECURELY ATTACHED ALONG THE OUTER SIDES OF TIMBER MATTING TO CONTROL SEDIMENT COLLECTION AND ALLOW GEO-FABRIC MATERIAL TO BE STAPLED TO OUTSIDE OF PLYWOOD.
6. BRIDGE SHALL BE CONSTRUCTED MINIMUM 2 FEET OUTSIDE TOP OF BANK.
7. BRIDGE SHALL BE SECURELY ANCHORED AT ONLY ONE END USING STEEL CABLE OR CHAIN. ACCEPTABLE ANCHORS ARE LARGE TREES, LARGE BOULDERS, OR DRIVEN STEEL ANCHORS. ANCHORING SHALL BE SUFFICIENT TO PREVENT THE BRIDGE FROM FLOATING DOWNSTREAM.
8. ALL AREAS DISTURBED DURING BRIDGE INSTALLATION SHALL BE STABILIZED IMMEDIATELY.
9. PLYWOOD SPLASH PROTECTION SHALL BE WELL MAINTAINED, CLEARING SEDIMENT WHEN NECESSARY.
10. FILTER SOCK SHALL BE PLACED ALONG BOTH ENTRANCES OF THE BRIDGE WHEN NOT IN USE FOR MORE THAN 24 HOURS AND/OR PRIOR TO PRECIPITATION EVENTS. DO NOT DRIVE OVER FILTER SOCK.



	PROJECT NO. 139198	<b>TYPICAL E&amp;SC FOR STREAM CROSSINGS NORTH CANTON CONNECTOR</b>	DETAIL
	DATE: 09-04-14		<b>2B</b>
	DRAWN BY: MDI	ANTERO MIDSTREAM LLC NORTH CANTON CONNECTOR DODDRIDGE & TYLER COUNTIES, WV	
	CHECKED BY: JBC		
	FILE NAME:		
DETAIL SHEETS.dwg			