

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Mary Cass Agent
 Addressee

B. Received by (Printed Name)
 Mary Cass

C. Date of Delivery
 3-16-17

Address different from item 1? Yes
 If YES, enter delivery address below: No

Crystal Lake Club
 300 Crystal Lake Road
 West Union, WV 26456



9590 9402 2016 6123 8101 16

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7286

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Barbara Swinger Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery
 3/16/17

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

Barbara Swinger
 14660 WV Route 23
 West Union, WV 26456



9590 9402 2016 6123 8102 53

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7071

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Mary Lee Glaspell Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery
 3/16/17

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

Mary Lee Glaspell
 14723 WV Route 23N
 West Union, WV 26456



9590 9402 2016 6123 8102 46

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7101

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

Forest C. Moore
16562 WV Rt. 23N
West Union, WV 26456



9590 9402 2016 6123 8100 48

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7163

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Carrie J Moore Agent
 Addressee

B. Received by (Printed Name)
 C. Date of Delivery
 3/16/17

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

3. Service Type

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

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

Randall Lynch & Dixie Craig
PO Box 100
West Union, WV 26456



9590 9402 2016 6123 8101 30

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7262

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Randall Lynch Agent
 Addressee

B. Received by (Printed Name)
 C. Date of Delivery
 RANDALL LYNCH 3-16-17

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

3. Service Type

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

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

Larry Williams
393 Martin Lane
West Union, WV 26456



9590 9402 2016 6123 8101 47

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7231

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Larry Williams Agent
 Addressee

B. Received by (Printed Name)
 C. Date of Delivery
 Larry Williams 3-28-17

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

3. Service Type

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

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7272 6569 1569 7272

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To _____
 Street and Apt. No., or PO Box No. _____
 City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

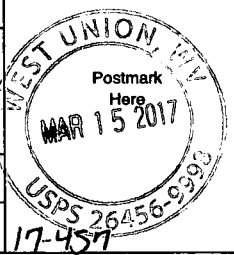
7015 3430 0001 1569 7248

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 3430 0001 1569 7231

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

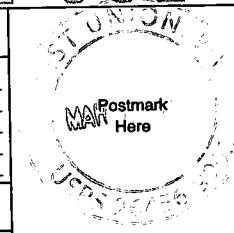
7015 3430 0001 1569 7224

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

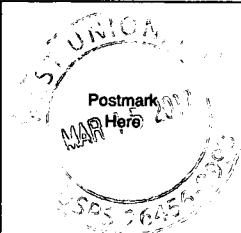
7015 3430 0001 1569 7217

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

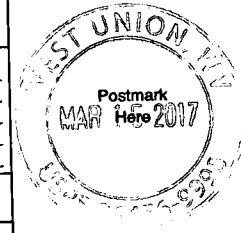
7015 3430 0001 1569 7200

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 3430 0001 1569 7194

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee	\$ 3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.80
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage	\$.49
Total Postage and Fees	\$ 6.74

Sent To
Street and Apt. No., or PO Box No.
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

Ross H. & Carol S. Swiger
200 Robin Lane
Harpers Ferry, WV 25425



9590 9402 2016 6123 8101 85

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7224

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
 Addressee

B. Received by (Printed Name)

H. Ross Swiger Jr

C. Date of Delivery

3/18/17

address different from item 1? Yes
or delivery address below: No

3. Service Type

- Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

(over \$500)

USPS TRACKING #



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

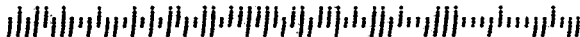
9590 9402 2016 6123 8101 85

**United States
Postal Service**

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

**George Eidel
Doddridge County OEM/CFM
108 Court St. Ste 1
West Union, WV 26456**

17-457



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X



-
- Agent
-
-
- Addressee

B. Received by (*Printed Name*)

C. Date of Delivery

3/18/17

Address different from item 1? Yes
 or delivery address below: No

Allen Kendall Jones
 3840 Hawks Beard
 Sonoma, CA 95476



9590 9402 2016 6123 8101 78

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

7015 3430 0001 1569 7217

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Mail Restricted Delivery (00) | |

USPS TRACKING #



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

9590 9402 2016 6123 8101 78

United States
Postal Service

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

George Eidel
Doddridge County OEM/CFM
108 Court St. Ste 1
West Union, WV 26456

17-457



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY

A. Signature


 Agent Addressee

B. Received by (Printed Name)

C. Date of Delivery

Address different from item 1? Yes
 or delivery address below: No

Johnny Burgess Hooper III
PO Box 105
Salvo, NC 27972



9590 9402 1888 6104 9698 04

2. Article Number (Transfer from service label)

7015 3430 0001 1569 7248

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Mail
 Mail Restricted Delivery

(over \$500)

USPS TRACKING#



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

9590 9402 1888 6104 9698 04

**United States
Postal Service**

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

George Eidel
Doddridge County OEM/CFM
108 Court St. Ste 1
West Union, WV 26456

17-457



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- 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.

COMPLETE THIS SECTION ON DELIVERY**A. Signature**

X *Linda M. Muhly*

- Agent
 Addressee

B. Received by (Printed Name)

LINDA MUHLY

C. Date of Delivery

3/20/17

Address different from item 1? Yes
 or delivery address below: No



Matthew Alexander & Linda Muhly
 58 Overlook Dr.
 Bridgeport, WV 26330



9590 9402 2016 6123 8101 61

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
- Mail
 Mail Restricted Delivery
 00)

Article Number (Transfer from service label)

7015 3430 0001 1569 7200

USPS TRACKING#



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

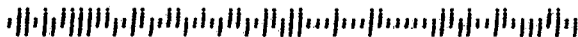
9590 9402 2016 6123 8101 61

**United States
Postal Service**

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

**George Eidel
Doddrige County OEM/CFM
108 Court St. Ste 1
West Union, WV 26456**

17-457





Floodplain Development Permit

Doddridge County, WV Floodplain Management

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

Permit: #17-457
Yvonne to Middle Buried Waterline and Gasline

Date Approved: May 5, 2017

Expires: May 5, 2018

Issued to: Antero Midstream, LLC

POC: Rachel Grzybek
304-842-4008

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

Project Address: Nutter Fork Road

Firm:

Lat/Long: 39.351019N, 80.764131W to
39.323772N, 80.805144W

Purpose of development: buried waterline

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

Date: May 5, 2017

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



ANTERO MIDSTREAM LLC
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	May-03-2017	106865	\$250.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
MR031017	03/10/17	FLOODPLAIN PRMT-YVONNE/MIDDLE BWL-P	250.00	0.00	250.00

#17-457

COPY

COPY

TOTAL INVOICES PAID ==> 250.00 0.00 250.00

DETACH AND RETAIN FOR TAX PURPOSES

THIS CHECK HAS A COLORED FACE ON WHITE STOCK AND AN ARTIFICIAL WATERMARK ON THE BACK



ANTERO MIDSTREAM LLC
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Wells Fargo
Denver, CO

Check No. 106865

11-24
412

800 - AP ACCT WELLS FARGO

COPY

Void After 90 Days

PAY EXACTLY \$250.00
Two Hundred Fifty Dollars and Zero Cents

CHECK NUMBER	DATE	PAY EXACTLY
106865	May-03-2017	\$250.00

TO THE ORDER OF

DODDRIDGE COUNTY COMMISSION
BETH A ROGERS, CLERK~118 EAST COURT STREET~ROOM 10
2
WEST UNION, WV 26456

COPY

[Handwritten Signature]

⑈ 106865 ⑈ ⑆041203824⑆ 9657481710⑈



ANTERO MIDSTREAM LLC
 1615 WYNKOOP STREET
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	May-03-2017	106865	\$250.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
MR031017	03/10/17	FLOODPLAIN PRMT-YVONNE/MIDDLE BWL-P	250.00	0.00	250.00

#17-457

Doddridge County, West Virginia

RECEIPT NO: 9068

DATE: 2017/05/08

FROM: ANTERO

AMOUNT: \$ 250.00

TWO HUNDRED FIFTY DOLLARS AND 00 CENTS

FOR: #17-457 YVONNE/MIDDLE BWL-P

00000106865 FP-BUILDING PERMITS

020-318

TOTAL: \$250.00

MICHAEL HEADLEY
 SHERIFF & TREASURER

MEC
 CLERK

Customer Copy

TOTAL INVOICES PAID ==>

250.00

0.00

250.00

DETACH AND RETAIN FOR TAX PURPOSES



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	May-03-2017	100026	\$250.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
MR05032017	03/10/17	FLOODPLAIN PRMT-YVONNE/MIDDLE BWL-P	250.00	0.00	250.00

#17-457

COPY

COPY

TOTAL INVOICES PAID ==> 250.00 0.00 250.00

DETACH AND RETAIN FOR TAX PURPOSES

THIS CHECK HAS A COLORED FACE ON WHITE STOCK AND AN ARTIFICIAL WATERMARK ON THE BACK.



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Wells Fargo
Denver, CO

Check No. 100026

11-24
412

810 - AP ACCT WELLS FARGO

Void After 90 Days

PAY EXACTLY \$250.00
Two Hundred Fifty Dollars and Zero Cents

COPY

CHECK NUMBER	DATE	PAY EXACTLY
100026	May-03-2017	\$250.00

TO
THE
ORDER
OF

DODDRIDGE COUNTY COMMISSION
BETH A ROGERS, CLERK~118 EAST COURT STREET~ROOM 10
2
WEST UNION, WV 26456

COPY

[Handwritten Signature]

⑈ 1000 26 ⑈ ⑆ 04 1 20 38 24 ⑆

967 145 1749 ⑈



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	May-03-2017	100026	\$250.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
MR05032017	03/10/17	FLOODPLAIN PRMT-YVONNE/MIDDLE BWL-P	250.00	0.00	250.00

#17-457

Doddridge County, West Virginia

RECEIPT NO: 9067

DATE: 2017/05/08

FROM: ANTERO

AMOUNT: \$ 250.00

TWO HUNDRED FIFTY DOLLARS AND 00 CENTS

FOR: #17-457 YVONNE/MIDDLE BWL-P

00000100026 FP-BUILDING PERMITS

020-318

TOTAL: \$250.00

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

TOTAL INVOICES PAID ==>

250.00

0.00

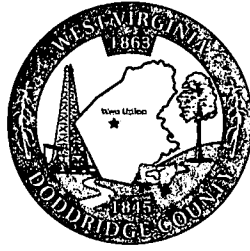
250.00

DETACH AND RETAIN FOR TAX PURPOSES

FLOODPLAIN PERMIT #17-457

ANTERO/Yvonne to Middle Buried Gasline

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>		
<i>US ARMY CORP. ENGINEERS (USACE)</i>	x	
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>	x	
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>	x	
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>	x	
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>	x	
<i>OFFICE of LAND & STREAM (OLS)</i>	x	
<i>DATE OF COMMISSION READING</i>	03-21-17	
<i>DATE AVAILABLE TO BE GRANTED</i>	04-10-17	
<i>PERMIT GRANTED</i>	5-5-17	
<i>COMPLETE</i>	✓	



Doddridge County Floodplain Permits

(Week of March 20, 2017)

Please take notice that on the **13th day of March, 2017, Antero Midsteam, LLC** filed an application for a Floodplain Permit (**#17-457**) to develop land located at or about **39.351019N, 80.764131W TO 39.323772N, 80.805144W, Nutter Fork Rd.** 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 **April 10, 2017** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Clerk of the County Court at 108 Court Street Ste. 1, West Union, WV 26456. **This project is Yvonne to Middle Buried Waterline and Pipeline.**


Antero
Midstream Partners LP
Antero Midstream, LLC
535 White Oaks Blvd
Bridgeport, WV 26330
Office 304.842.4100
Fax 304.842.4102

March 10, 2017

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

Mr. Eidel:

Antero Midstream LLC would like to submit a Doddridge County Floodplain permit application for our ***Yvonne to Middle Buried Waterline and Pipeline*** project. Our project is located in Doddridge County beginning at coordinates 39.351019 N, 80.764131W and continuing to coordinates 39.323772N, 80.805144W. Per the FIRM Map #54017C0110C this location is in the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- No-Rise Certificate
- WV Flood Tool Map
- FIRM Map
- Design Plans

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

Thank you in advance for your consideration.

Sincerely,



Rachel Grzybek
Environmental Specialist II
Floodplain Engineer
Antero Resources Corporation

Enclosures

"NO-RISE" CERTIFICATION

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

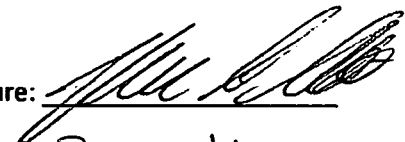
It is further to certify that the attached technical data supports the fact that proposed Yvonne to Middle Pipeline Project will not impact the 100-year flood elevations, floodway elevations, or floodway widths as shown in the Flood Insurance Rate Map Number 54017C0110C for Doddridge County, West Virginia last revised October 4, 2011.

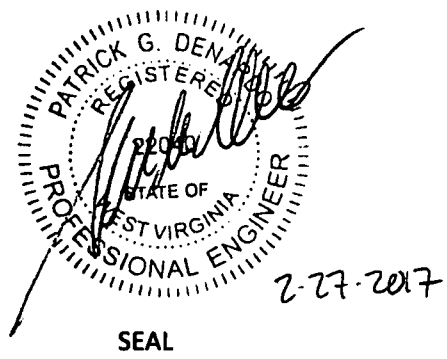
The project proposes the installation of a buried water pipeline with restoration to existing grade and land cover. Thus, the proposed pipeline shall not impact the 100-year flood elevations, floodway elevations, or floodway widths in the vicinity of the project.

Attached are the following documents that support my findings:

Doddridge County Firm Map Number 54017C0110C showing the location of the proposed project.

Date: February 27, 2017

Signature: 
Title: SR. PROJECT MANAGER





Permit# 17-457

Project Name: Yvonne to Middle

Buried WL & PL

Permittees Name: Antero Midstream

Doddridge County, WV

Floodplain Development Permit Application

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

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

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. I THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

APPLICANT'S SIGNATURE

[Signature] GM Civil Design/Construction

DATE

3/9/2017

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Antero Midstream, LLC.		
Corporate Mailing Address: 1615 Wynkoop Street		
City: Denver	State: CO	Zip: 80202
Corporate Point of Contact (POC):		
Corporate POC Title:		
Corporate POC Primary Phone:		
Corporate POC Primary Email:		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: www.anteroresources.com		
Local Mailing Address: 535 White Oaks Boulevard		
City: Bridgeport	State: WV	Zip: 26330
Local Project Manager (PM):		
Local PM Primary Phone:		
Local PM Secondary Phone:		
Local PM Primary Email:		
Person Filing Application: Rachel Grzybek		
Applicant Title: Environmental Specialist II		
Applicant Primary Phone: (304) 842-4008		
Applicant Secondary Phone: (304) 641-2396		
Applicant Primary Email: rgrzybek@anteroresources.com		

Doddridge County Commercial/Industrial Floodplain Development Permit Application

Project Narrative:

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

Project Narrative:
The Yvonne to Middle Pipeline project begins at the Yvonne Pad, north of C.R. 28 (Nutter Fork Rd), and runs southwest, crossing Nutter Fork and ending at the Middle Pad. Proposed erosion and sediment control measures include silt fence, waterbars, stone construction entrances, and timber mats. A portion of the work will cross the Middle Island Creek Zone A Flood Hazard Area as shown on the Flood Insurance Rate Map for Doddridge County, Map #54017C0110C with a map revised date of October 4, 2011. The waterline will be buried, and the existing ground and land cover will be restored upon completion of the work. Therefore, the installation of the proposed pipeline will not impact the 100-year flood elevations, floodway elevations, or floodway widths near the project.

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

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

B. OTHER DEVELOPMENT ACTIVITIES:

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 1 of 14

Site/Property Information:		
Legal Description: TWO TRS MI CREEK 75.72 AC		
Physical Address/911 Address: WV 18		
Decimal Latitude/Longitude: 39.326956° N, 80.806125° W		
DMS Latitude/Longitude: 39° 19' 37.04" N, 80° 48' 22.05" W		
District: 8 – West Union	Map: 6	Parcel: 1
Land Book Description:		
Deed Book Reference: Book 258, Page 546		
Tax Map Reference: 09-08-0006-0001-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 2 of 14

Site/Property Information:		
Legal Description: MI CREEK 32.19 AC		
Physical Address/911 Address: WV 18		
Decimal Latitude/Longitude: 39.323772° N, 80.805144° W		
DMS Latitude/Longitude: 39° 19' 25.58" N, 80° 48' 18.52" W		
District: 8 – West Union	Map: 6	Parcel: 2
Land Book Description:		
Deed Book Reference: Book 214, Page 279		
Tax Map Reference: 09-08-0006-0002-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 3 of 14

Site/Property Information:		
Legal Description: M I CREEK 357.75 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.331325° N, 80.791464° W		
DMS Latitude/Longitude: 39° 19' 52.77" N, 80° 47' 29.27" W		
District: 8 – West Union	Map: 4	Parcel: 28
Land Book Description:		
Deed Book Reference: Book WB28, Page 314		
Tax Map Reference: 09-08-0004-0028-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 4 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 78 PO		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.332939° N, 80.779211° W		
DMS Latitude/Longitude: 39° 19' 58.58" N, 80° 46' 45.16" W		
District: 8 – West Union	Map: 4	Parcel: 29
Land Book Description:		
Deed Book Reference: Book WB51, Page 709		
Tax Map Reference: 09-08-0004-0029-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 5 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 83.09 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.328992° N, 80.775881° W		
DMS Latitude/Longitude: 39° 19' 44.37" N, 80° 46' 33.17" W		
District: 8 – West Union	Map: 4	Parcel: 36
Land Book Description:		
Deed Book Reference: Book WB28, Page 314		
Tax Map Reference: 09-08-0004-0036-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 6 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 5.89 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.331953° N, 80.776786° W		
DMS Latitude/Longitude: 39° 19' 55.03" N, 80° 46' 36.43" W		
District: 8 – West Union	Map: 4	Parcel: 35
Land Book Description:		
Deed Book Reference: Book 276, Page 01		
Tax Map Reference: 09-08-0004-0035-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 7 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 43.94 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.333964° N, 80.774844° W		
DMS Latitude/Longitude: 39° 20' 02.27" N, 80° 46' 29.44" W		
District: 8 – West Union	Map: 4	Parcel: 32
Land Book Description:		
Deed Book Reference: Book 241, Page 412		
Tax Map Reference: 09-08-0004-0032-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 8 of 14

Site/Property Information:		
Legal Description: 49.5 AC NUTTERS FORK		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.335078° N, 80.771467° W		
DMS Latitude/Longitude: 39° 20' 06.28" N, 80° 46' 17.28" W		
District: 8 – West Union	Map: 4	Parcel: 34.3
Land Book Description:		
Deed Book Reference: Book 320, Page 629		
Tax Map Reference: 09-08-0004-0034-0003		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 9 of 14

Site/Property Information:		
Legal Description: WOLFE PEN RUN NUTTERS FK 48.36 AC		
Physical Address/911 Address: CR 22		
Decimal Latitude/Longitude: 39.337950° N, 80.775753° W		
DMS Latitude/Longitude: 39° 20' 16.62" N, 80° 46' 32.71" W		
District: 8 – West Union	Map: 4	Parcel: 25
Land Book Description:		
Deed Book Reference: Book 260, Page 612		
Tax Map Reference: 09-08-0004-0025-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 10 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 38.65 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.339278° N, 80.767328° W		
DMS Latitude/Longitude: 39° 20' 21.40" N, 80° 46' 02.38" W		
District: 8 – West Union	Map: 4	Parcel: 26
Land Book Description:		
Deed Book Reference: Book 260, Page 226		
Tax Map Reference: 09-08-0004-0026-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 11 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 39 AC		
Physical Address/911 Address: CR 28		
Decimal Latitude/Longitude: 39.340664° N, 80.762958° W		
DMS Latitude/Longitude: 39° 20' 26.39" N, 80° 45' 46.65" W		
District: 8 – West Union	Map: 4	Parcel: 27
Land Book Description:		
Deed Book Reference: Book 321, Page 30		
Tax Map Reference: 09-08-0004-0027-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 12 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 31.5 AC		
Physical Address/911 Address: CR 22		
Decimal Latitude/Longitude: 39.342986° N, 80.765567° W		
DMS Latitude/Longitude: 39° 20' 34.75" N, 80° 45' 56.04" W		
District: 8 – West Union	Map: 4	Parcel: 20
Land Book Description:		
Deed Book Reference: Book 103, Page 53		
Tax Map Reference: 09-08-0004-0020-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 13 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 100 AC 40 PO		
Physical Address/911 Address: CR 22		
Decimal Latitude/Longitude: 39.343011° N, 80.760983° W		
DMS Latitude/Longitude: 39° 20' 34.84" N, 80° 45' 39.54" W		
District: 8 – West Union	Map: 4	Parcel: 21
Land Book Description:		
Deed Book Reference: Book 217, Page 412		
Tax Map Reference: 09-08-0004-0021-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 14 of 14

Site/Property Information:		
Legal Description: NUTTERS FK 125.48 AC		
Physical Address/911 Address: CR 22		
Decimal Latitude/Longitude: 39.347692° N, 80.764708° W		
DMS Latitude/Longitude: 39° 20' 51.69" N, 80° 45' 52.95" W		
District: 8 – West Union	Map: 4	Parcel: 5
Land Book Description:		
Deed Book Reference: Book WB40, Page 419		
Tax Map Reference: 09-08-0004-0005-0000		
Existing Buildings/Use of Property: Antero Midstream, LLC's Yvonne to Middle Pipeline will be located on this property.		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 1 of 14

Property Owner Data:		
Name of Primary Owner (PO): LYNCH RANDALL & DIXIE CRAIG (SURV)		
PO Address: 5534 WV RT 18 N		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone: PO Box 100 West Union WV 26456		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 2 of 14

Property Owner Data:		
Name of Primary Owner (PO): LYNCH WILLIAM RANDALL & DIXIE JANET CRAIG (SURV)		
PO Address: HC 69 BOX 35		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 3 of 14

2

Property Owner Data:		
Name of Primary Owner (PO): STRICKLING JOHN PAUL ETAL		
PO Address: 756 STRICKLING FARM LN		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 4 of 14

3

Property Owner Data:		
Name of Primary Owner (PO): UNDERWOOD PHILLIP S ETAL		
PO Address: 2018 NUTTERS FORK		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 5 of 14

Property Owner Data:		
Name of Primary Owner (PO): STRICKLING JOHN PAUL ETAL		
PO Address: 756 STRICKLING FARM LN		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 6 of 14

4

Property Owner Data:		
Name of Primary Owner (PO): ALEXANDER MATTHEW		
PO Address: RT 1 BOX 310		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone: 58 overlook Dr. Bridgeport WV 26330		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 7 of 14

4

Property Owner Data:		
Name of Primary Owner (PO): ALEXANDER MATTHEW W & LINDA MARIE MUHLY (SURV)		
PO Address: 58 OVERLOOK DR		
City: BRIDGEPORT	State: WV	Zip: 26330
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 8 of 14

5

Property Owner Data:		
Name of Primary Owner (PO): JONES ALLEN KENDALL		
PO Address: 3840 HAWKS BEARD		
City: SONOMA	State: CA	Zip: 95476
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 9 of 14

6

Property Owner Data:		
Name of Primary Owner (PO): SWIGER H ROSS JR & CAROL S (SURV)		
PO Address: 200 ROBIN LN 879		
City: HARPERS FERRY	State: WV	Zip: 25425
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 10 of 14

7

Property Owner Data:		
Name of Primary Owner (PO): WILLIAMS LARRY		
PO Address: 393 MARTIN LN		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 11 of 14

8

Property Owner Data:		
Name of Primary Owner (PO): HOOPER JOHNNY BURGESS II		
PO Address: PO BOX 105		
City: SALVO	State: NC	Zip: 27972
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 12 of 14

9

Property Owner Data:		
Name of Primary Owner (PO): SPENCER STELLA E		
PO Address: 6445 WYLIE RIDGE ROAD		
City: NEW CUMBERLAND	State: WV	Zip: 26047
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 13 of 14

10

Property Owner Data:		
Name of Primary Owner (PO): RAVENSCROFT WAYNE C & EDYTHE B (SURV)		
PO Address: RR 2 BOX 306A		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone: 393 Bull Town Rd		
PO Primary Email: WestUnion, WV 26456		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: 14 of 14

Property Owner Data:		
Name of Primary Owner (PO): FOSTER YVONNE R		
PO Address: 2395 TALLMANSVILLE RD		
City: BUCKHANNON	State: WV	Zip: 26201
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Contractor Data:

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

Property Designation: ___ of ___

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

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

Adjacent and/or Affected Landowners Data

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

12

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): CRYSTAL LAKE CLUB		
Physical Address: 300 CRYSTAL LAKE ROAD		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): LYNCH RANDALL & DIXIE CRAIG (SURV)		
Physical Address: 5534 WV RT 18 N		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

Site Plan

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

A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:


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

Applicant

Please read print name, sign and date below:

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

Applicant Signature: _____



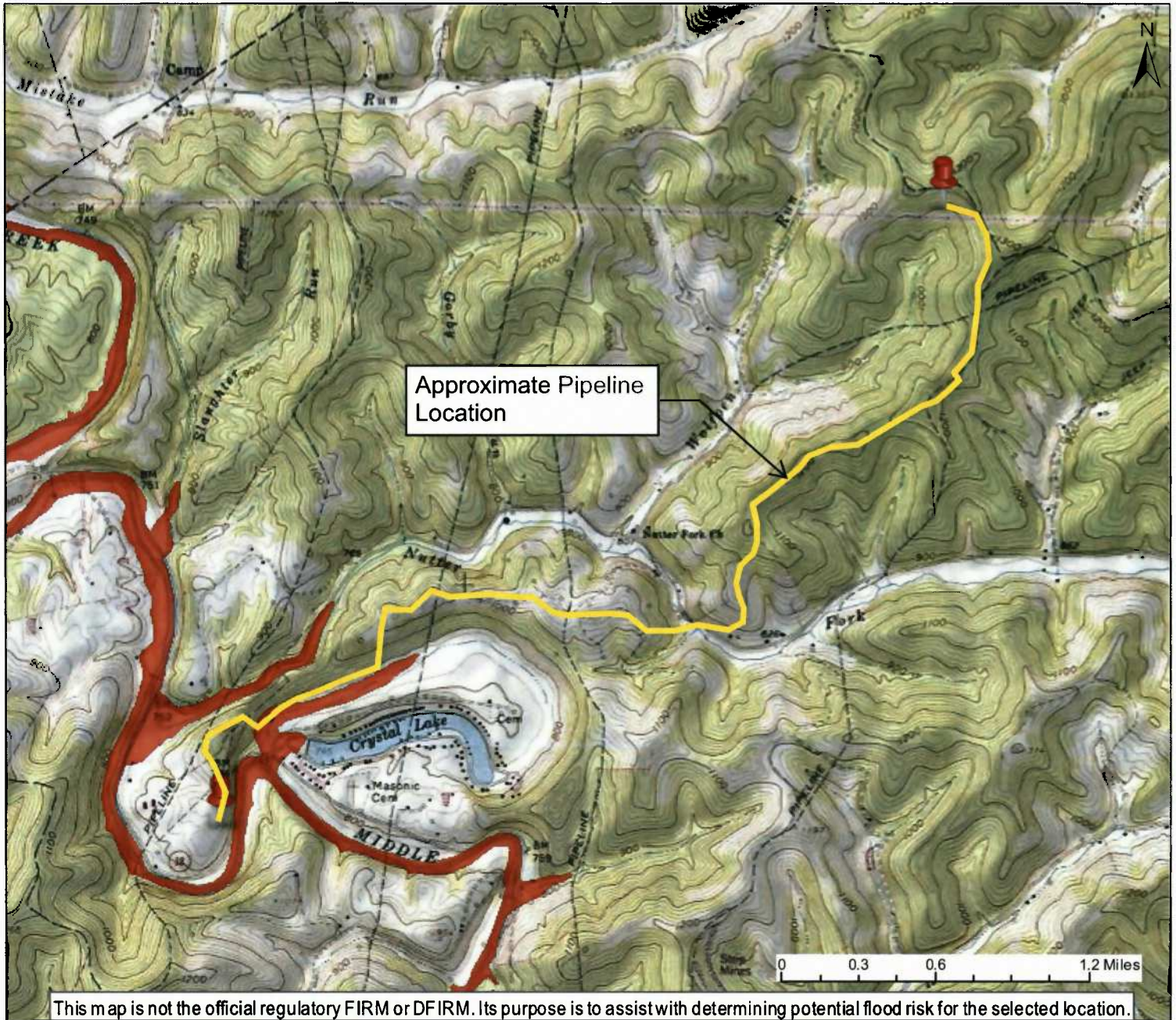
Date: _____

3/9/2017

Applicant Printed Name: _____

Conway Russell Boston GM Civil Design/Construction

Yvonne to Middle Pipeline



User Notes:

Map created on March 6, 2017

Flood Hazard Area:

Flood Hazard Area: Location is WITHIN the FEMA 100-year floodplain.

FEMA Issued Flood Map: 54017C0110C

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

Elevation: About 750 ft

Location (long, lat): (80.802386 W, 39.327513 N)

Location (UTM 17N): (517033, 4353140)

Contacts: Doddridge

CRS Information: N/A

Parcel Number: No Parcel

 Flood Hazard Zone

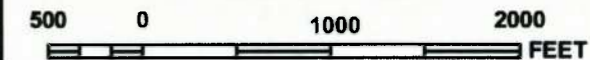
 Flood Point of Interest

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov. *WV Flood Tool* (<http://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0110C

FIRM

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

PANEL 110 OF 325
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0110	C

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



**MAP NUMBER
54017C0110C
MAP REVISED
OCTOBER 4, 2011**

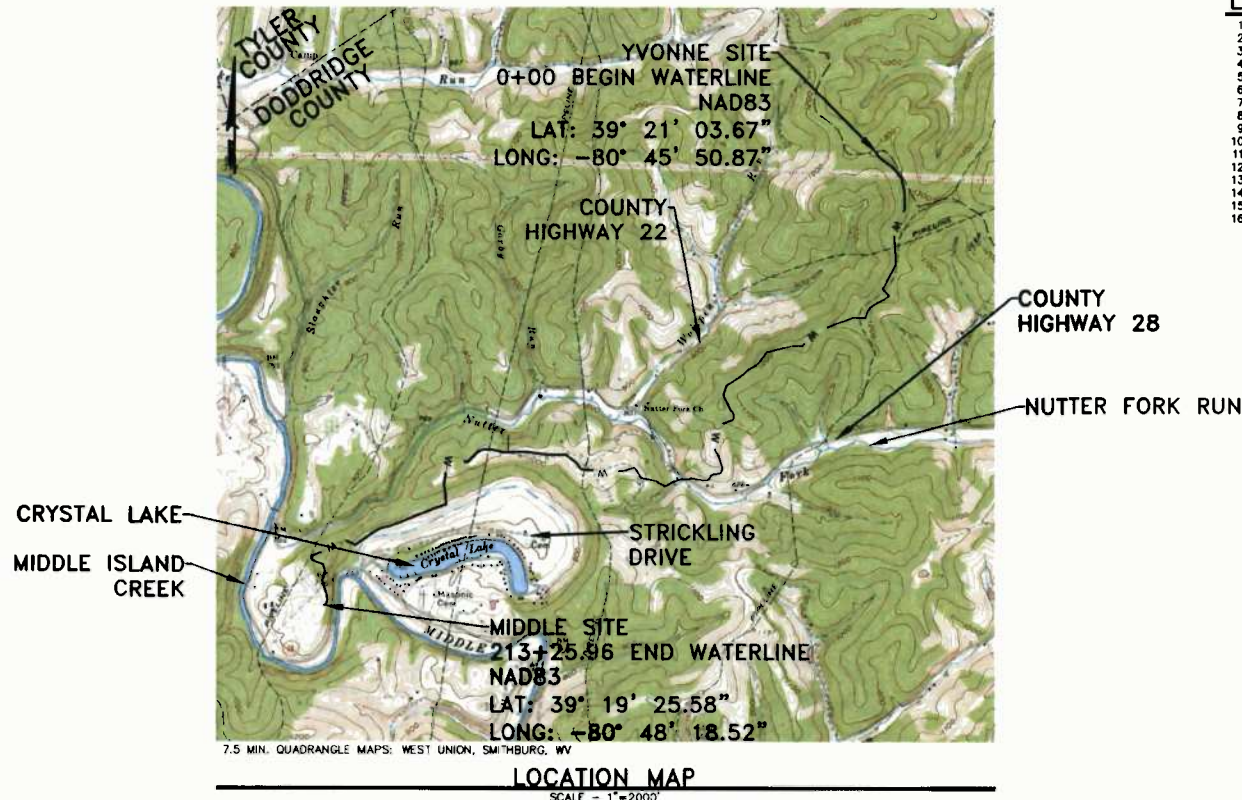
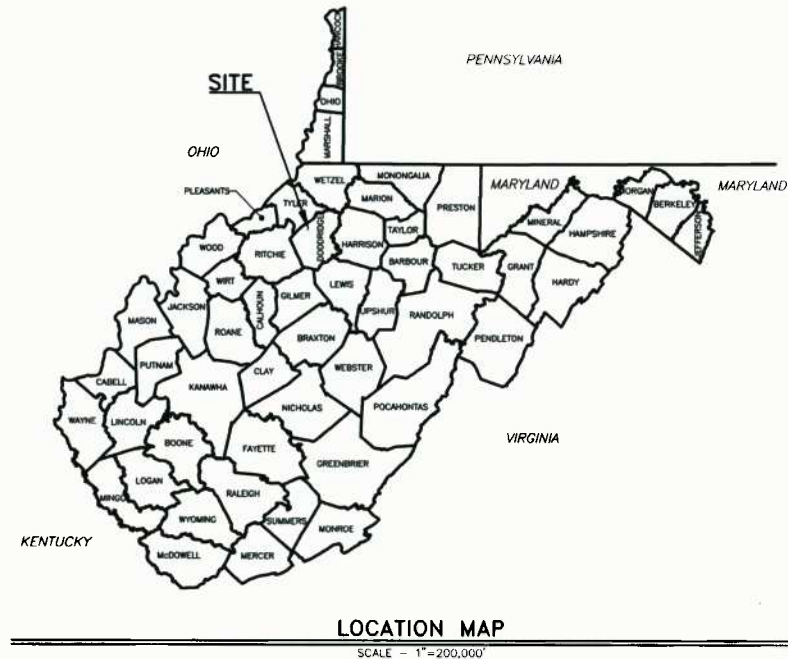
Federal Emergency Management Agency

**DODDRIDGE COUNTY
UNINCORPORATED AREAS
540024**

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

EROSION & SEDIMENT CONTROL PLANS FOR YVONNE TO MIDDLE PIPELINE

GRANT & WEST UNION TAX DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA



LIST OF DRAWINGS

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GENERAL NOTES

1. THE TOPOGRAPHIC DATA UTILIZED FOR THIS BASE MAPPING IS A COMBINATION OF FIELD RUN TOPOGRAPHY CONSOLIDATED BY RETTEW ASSOCIATES, INC IN AUGUST 2016 AND BEST AVAILABLE THREE (3) METER DATA FROM WEST VIRGINIA GIS TECHNICAL CENTER (WVGSTC), AND THE STATE ADDRESSING AND MAPPING BOARD (SAMB).
2. PROPERTY BOUNDARIES, AND LANDOWNER INFORMATION SHOWN ON THIS PLAN ARE BASED ON AVAILABLE COUNTY GIS PARCEL DATA AND DEED REFERENCES.
3. EXISTING STRUCTURES, TREE LINES AND ROADWAYS HAVE BEEN LOCATED PER AVAILABLE ONLINE AERIAL PHOTOGRAPHY.
4. THE HORIZONTAL DATUM IS WEST VIRGINIA STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83), NORTH ZONE.
5. THE VERTICAL DATUM IS WEST VIRGINIA STATE PLAN, NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
6. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION PRIOR TO ANY EXCAVATION BY NOTIFYING MISS UTILITY OF WEST VIRGINIA AT 1-800-245-4848.
7. A WETLANDS PRESENCE/ABSENCE SURVEY WAS PERFORMED BY KLINEFELDER IN AUGUST 2016.
8. ALL EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION.
9. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL ABOVE AND BELOW GROUND UTILITIES AND STRUCTURES AND WILL BE RESPONSIBLE FOR THE PROTECTION OF THESE UTILITIES AND STRUCTURES AT ALL TIMES.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AND ANY DAMAGE DUE TO THE CONTRACTORS NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AND COMPLETELY AT HIS EXPENSE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF DAMAGED OR DESTROYED LANDSCAPE AND LAWNS.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE PROJECT SITE PRIOR TO THE START OF CONSTRUCTION.
13. CONTRACTOR TO RELOCATE UTILITIES AS REQUIRED.
14. CONTRACTOR MAY WIDEN ACCESS ROAD DUE TO STEEP SLOPES IF DEEMED NECESSARY.
15. PROPOSED ROCK CONSTRUCTION ENTRANCE TO BE BUILT SUCH THAT RUNOFF FROM PROPOSED ACCESS WILL NOT SHEET FLOW ON TO PUBLIC ROAD.
16. SEED AND MULCH ALL DISTURBED AREAS PER DETAILS.
17. ALL CLEARED TREE GRINDINGS SHOULD BE PLACED ON UPHILL SIDE OF COMPOST FILTER SOCKS AND NOT STOCKPILED ON-SITE.
18. CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT ANTERO AND APPROPRIATE RESPONSIBLE AUTHORITIES SHOULD ANY HISTORICAL ARTIFACTS (I.E. BONES, POTTERY, ETC.) ARE ENCOUNTERED DURING CONSTRUCTION.
19. WATERBARS AND TRENCH PLUG LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD. TRENCH PLUGS SHOULD BE INSTALLED ON BOTH SIDES OF BORE PITS AND STREAM CROSSINGS.
20. OWNER OF PIPELINE TO BE CROSSED MUST BE CONTACTED PRIOR TO BEGINNING OF CONSTRUCTION OF CROSSING.
21. PIPELINE SHALL BE BURIED TO PROVIDE A MINIMUM OF 3' COVER BELOW EXISTING GRADE.
22. MAINTAIN ACCESS ROADS WITH GRAVEL AS NEEDED. INSTALL APPROPRIATE BMPs (FILTER SOCK, BROAD BASED DIPS) FOR AREAS WHERE UPGRADE OF ROADS REQUIRES EARTH DISTURBANCE. SEE DETAIL SHEETS FOR BMP SPACING.
23. CONSTRUCTION TRAFFIC SHALL USE ONLY ROADS WITHIN THE LIMITS OF DISTURBANCE MARKED ON THIS PLAN. ALL ACCESS ROADS (AR) ARE EXISTING AND WILL HAVE MINIMAL WIDENING AND MAINTENANCE.
24. CONTRACTOR TO REPLACE ACCESS ROAD CULVERTS AS NEEDED. CULVERTS THAT ARE CRUSHED, SILTED, DETERIORATING, AND BEYOND MAINTENANCE SHALL BE REPLACED ACCORDING TO THE DETAILS WITHIN THIS PLAN.
25. GENERAL PERMITS FOR STREAM & WETLAND CROSSINGS ARE REQUIRED PRIOR TO CONSTRUCTION AND ARE BEING SUBMITTED IN ASSOCIATION WITH THIS PLAN.
26. THESE PLANS ARE A SUB-SET TO THE CONSTRUCTION PLANS AND SHOULD NOT BE USED FOR ANY PURPOSE OTHER THAN EROSION & SEDIMENT CONTROL.
27. THE PERIMETER CONTROLS ON THIS PLAN ARE INTERCHANGABLE FILTER SOCK, SILT FENCE, SUPER SILT FENCE AS REQUESTED BY THE CONTRACTOR.

LOCAL ANTERO OFFICE

535 WHITE OAKS BLVD
BRIDGEPORT, WV 26330
PHONE (304) 842-4100

LOCAL CONTACTS:
PARKÉ BONGIORNO-ENVIRONMENTAL COORDINATOR
CELL: (304) 719-74300

ROBERT WRKS- DESIGN MANAGER
CELL: (304) 627-7405

SHAWN BENNETT-CONSTRUCTION SUPERVISOR
CELL: (304) 641-0070



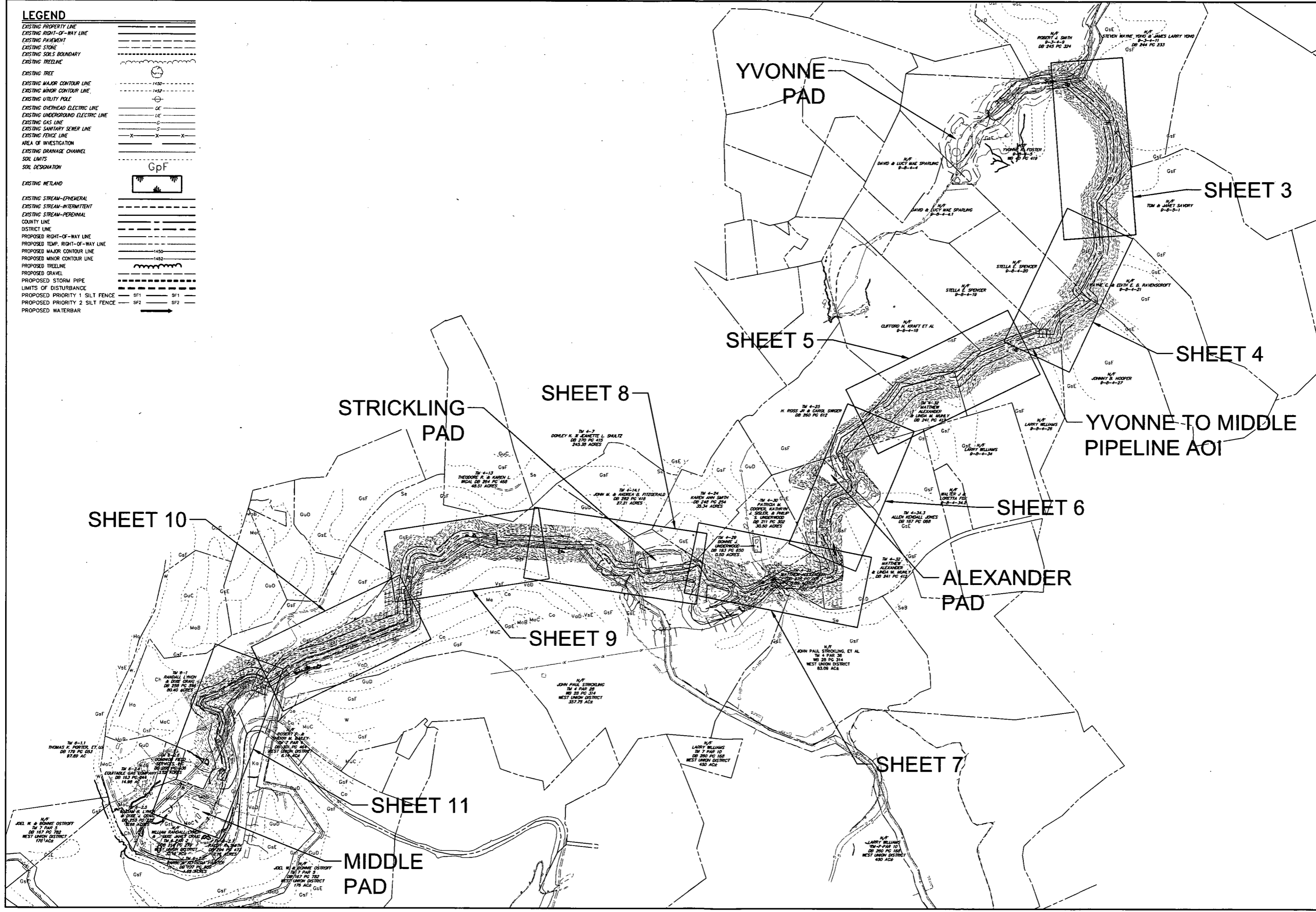
CALL BEFORE YOU DIG! Dial 811 or 800.245.4848
Miss Utility of West Virginia

AT LEAST 48 HOURS, BUT NOT MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND HOLIDAYS), PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES. ALL CONTRACTORS INVOLVED IN THESE ACTIVITIES SHALL CONTACT MISS UTILITY OF WEST VIRGINIA AT 811 OR 1-800-245-4848.

SOILS CLASSIFICATION

- Co - COTACD SILT LOAM
- GwE - GILPIN-PEABODY SILT LOAMS, 25 TO 35 % SLOPES, VERY STONY
- GwF - GILPIN-PEABODY SILT LOAMS, 35 TO 70 % SLOPES, VERY STONY
- GwD - GILPIN-UPSHUR SILT LOAMS, 15 TO 25 % SLOPES
- Mw - MELVIN SILT LOAM, 0 TO 3 % SLOPES, RARELY FLOODED
- MwB - MONONGAHELA SILT LOAM, 3 TO 8 % SLOPES
- MwC - MONONGAHELA SILT LOAM, 8 TO 15 % SLOPES
- Se - SENSABAUGH SILT LOAM, 0 TO 3 % SLOPES, OCCASIONALLY FLOODED
- VdD - VANDALIA SILT LOAM, 15 TO 25% SLOPES
- VwE - VANDALIA SILT LOAM, 25 TO 35% SLOPES
- VwE - VANDALIA SILT LOAM, 15 TO 35% SLOPES, VERY STONY

SCALE AS NOTED		NO. DATE	REVISION
FOR RETTEW ASSOCIATES BY:			
MANAGER: ANDREW S. LEVINE	CHD BY: P.J.F.	CHD BY: P.J.F.	CHD BY: P.J.F.
DESIGN BY: JUN	DRAWN BY: JUN	SURV. CHECK: RETTEW	DATE COLLECTOR
CLIENT: ANTERO MIDSTREAM PARTNERS, LP 1615 WYNKOOP STREET DENVER, COLORADO 80202 			
RETTEW Associates, Inc. One Robinson Plaza, Suite 200, Pittsburgh, PA 15205 Phone (412) 446-1728 Fax (412) 446-1733 Email: retrew@retrew.com Website: www.retrew.com <small>Engineers • Planners • Surveyors • Environmental Consultants</small>			
COVER SHEET EROSION & SEDIMENT CONTROL PLAN		FOR YVONNE TO MIDDLE PIPELINE	
GRANT TAX DISTRICT WEST UNION TAX DISTRICT		DODDRIDGE COUNTY, WV	
DATE: 12/09/16			
SHEET NO. 1 OF 16			
DWG. NO. 095452316			



LEGEND

EXISTING PROPERTY LINE	---
EXISTING RIGHT-OF-WAY LINE	---
EXISTING PAVEMENT	---
EXISTING STONE	---
EXISTING SOILS BOUNDARY	---
EXISTING TREETLINE	---
EXISTING TREE	○
EXISTING MAJOR CONTOUR LINE	1450
EXISTING MINOR CONTOUR LINE	1452
EXISTING UTILITY POLE	○
EXISTING OVERHEAD ELECTRIC LINE	○
EXISTING UNDERGROUND ELECTRIC LINE	---
EXISTING GAS LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING FENCE LINE	X-X-X
AREA OF INVESTIGATION	---
EXISTING DRAINAGE CHANNEL	---
SOIL LIMITS	GpF
SOIL DESIGNATION	---
EXISTING WETLAND	---
EXISTING STREAM-EPHEMERAL	---
EXISTING STREAM-INTERMITTENT	---
EXISTING STREAM-PERENNIAL	---
COUNTY LINE	---
DISTRICT LINE	---
PROPOSED RIGHT-OF-WAY LINE	---
PROPOSED TEMP. RIGHT-OF-WAY LINE	---
PROPOSED MAJOR CONTOUR LINE	1450
PROPOSED MINOR CONTOUR LINE	1452
PROPOSED TREETLINE	---
PROPOSED GRAVEL	---
PROPOSED STORM PIPE	---
LIMITS OF DISTURBANCE	---
PROPOSED PRIORITY 1 SILT FENCE	SF1
PROPOSED PRIORITY 2 SILT FENCE	SF2
PROPOSED WATERBAR	---

SCALE
1"=600'
1200'
1800'

NO.	DATE	REVISION

FOR RETIEW ASSOCIATES BY:

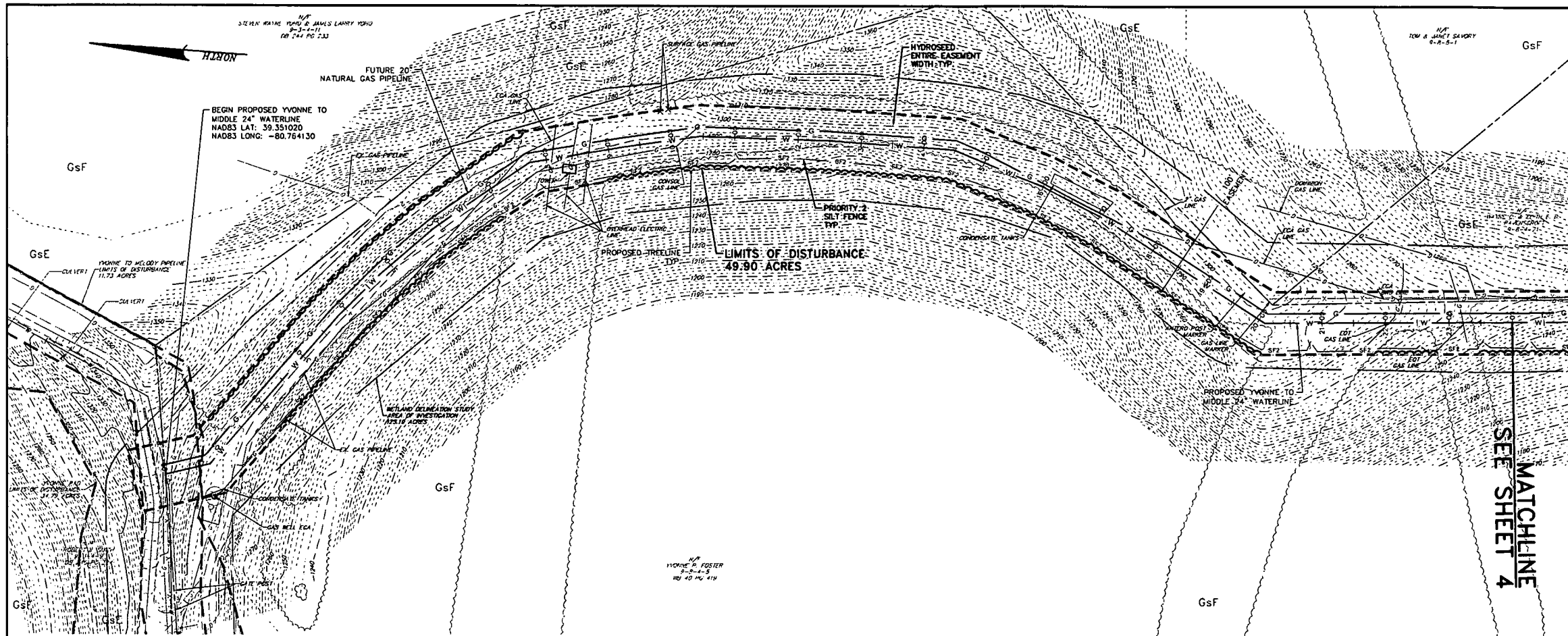
MANAGER: S. LEVINE	CHKD BY: P.J.F.
DESIGN BY: JUN	CHKD BY: P.J.F.
DRAWN BY: JUN	SURV. CHIEF: RELBROOK NO. DATA COLLECTOR

CLIENT
ANTERO MIDSTREAM PARTNERS, LP
1615 WYNKOOP STREET
DENVER, COLORADO 80202

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Phone (412) 446-1728 Fax (412) 446-1733
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Website: www.retiew.com

INDEX SHEET
EROSION & SEDIMENT CONTROL PLAN
FOR
YVONNE TO MIDDLE PIPELINE
GRANT TAX DISTRICT
WEST UNION TAX DISTRICT
DODDRIDGE COUNTY, WY

DATE: 12/09/16
SHEET NO. 2 OF 16
DWG. NO. 095452316



LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PAVEMENT
- EXISTING STONE
- EXISTING SOILS BOUNDARY
- EXISTING TREETRINE
- EXISTING TREE
- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING FENCE LINE
- AREA OF INVESTIGATION
- EXISTING DRAINAGE CHANNEL
- SOIL LIMITS
- SOIL DESIGNATION
- EXISTING WETLAND
- EXISTING STREAM-EPHEMERAL
- EXISTING STREAM-INTERMITTENT
- EXISTING STREAM-PERENNIAL
- COUNTY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED TEMP. RIGHT-OF-WAY LINE
- PROPOSED MAJOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- PROPOSED TREETRINE
- PROPOSED GRAVEL
- PROPOSED STORM PIPE
- LIMITS OF DISTURBANCE
- PROPOSED PRIORITY 1 SILT FENCE
- PROPOSED PRIORITY 2 SILT FENCE
- PROPOSED WATERBAR

SCALE
1"=100'
0 50' 100' 200' 300'

FOR RETIEW ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE
DESIGN BY: JDN
DRAWN BY: JDN
SURV. CHIEF: JDN

CHKD BY: P.J.F.
CHKD BY: P.J.F.
FIELDBOOK NO. JDN 01010

NO.	DATE	REVISION

- NOTE:
- A TRENCH DRAIN SHALL BE PLACED A MINIMUM OF EVERY 300 FT OR AS DIRECTED BY THE ENGINEER.
 - ALL STREAMS TO BE OPEN CUT UNLESS OTHERWISE NOTED/CALLED OUT.

CLIENT
ANTERO MIDSTREAM PARTNERS, LP
1615 WYKHOOP STREET
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RETIEW

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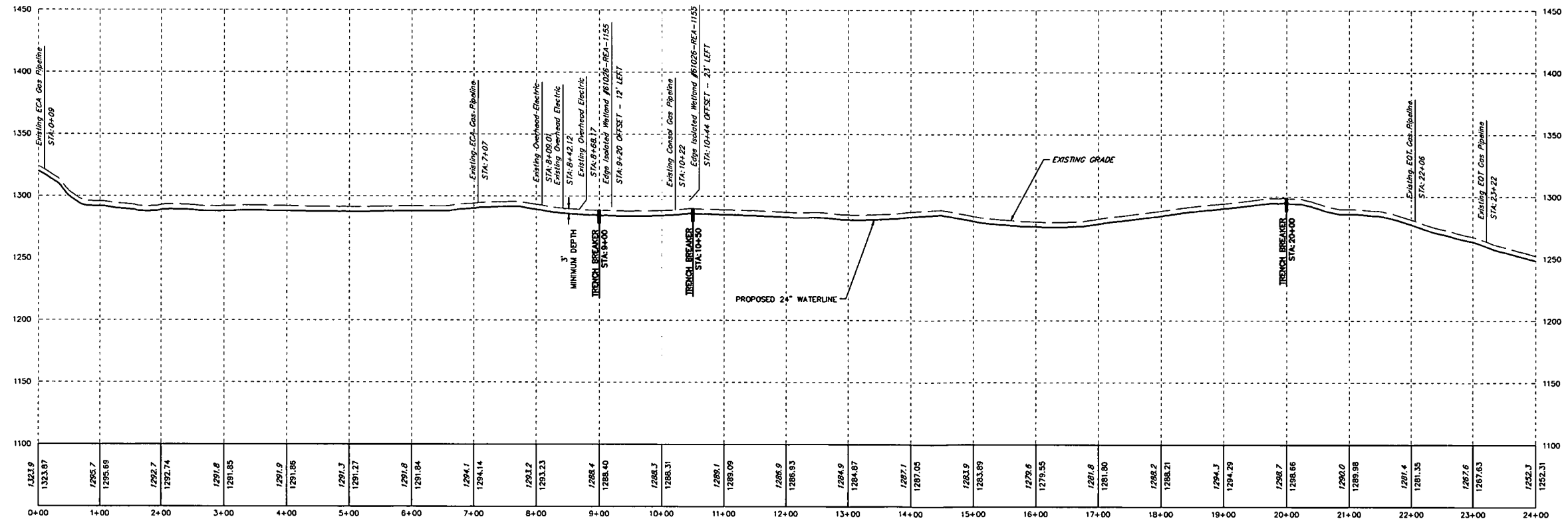
PLAN AND PROFILE SHEET
EROSION & SEDIMENT CONTROL PLAN
FOR
YVONNE TO MIDDLE PIPELINE

GRANT TAX DISTRICT
WEST UNION TAX DISTRICT
DODDRIDGE COUNTY, WY

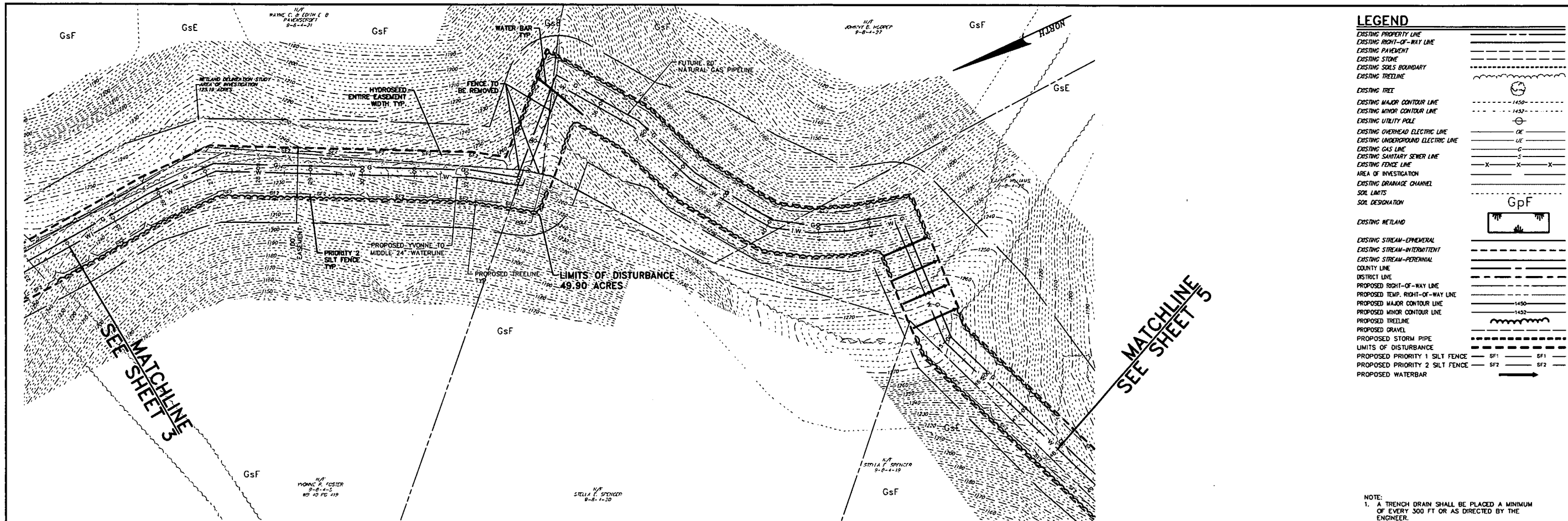
DATE: 12/09/16

SHEET NO. 3 OF 16

DWG. NO. 095452316



"CENTERLINE PROFILE OF YVONNE WATERLINE"
HORIZONTAL SCALE - 1"=100'
VERTICAL SCALE - 1"=50'



LEGEND

EXISTING PROPERTY LINE	---
EXISTING RIGHT-OF-WAY LINE	---
EXISTING PAVEMENT	---
EXISTING STONE	---
EXISTING SOILS BOUNDARY	---
EXISTING TREELINE	---
EXISTING TREE	○
EXISTING MAJOR CONTOUR LINE	---
EXISTING MINOR CONTOUR LINE	---
EXISTING UTILITY POLE	○
EXISTING OVERHEAD ELECTRIC LINE	---
EXISTING UNDERGROUND ELECTRIC LINE	---
EXISTING GAS LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING FENCE LINE	---
EXISTING DRAINAGE CHANNEL	---
SOIL LIMITS	---
SOIL DESIGNATION	---
EXISTING WETLAND	---
EXISTING STREAM-EPHEMERAL	---
EXISTING STREAM-INTERMITTENT	---
EXISTING STREAM-PERENNIAL	---
COUNTY LINE	---
DISTRICT LINE	---
PROPOSED RIGHT-OF-WAY LINE	---
PROPOSED TEMP. RIGHT-OF-WAY LINE	---
PROPOSED MAJOR CONTOUR LINE	---
PROPOSED MINOR CONTOUR LINE	---
PROPOSED TREELINE	---
PROPOSED GRAVEL	---
PROPOSED STORM PIPE	---
LIMITS OF DISTURBANCE	---
PROPOSED PRIORITY 1 SILT FENCE	---
PROPOSED PRIORITY 2 SILT FENCE	---
PROPOSED WATERBAR	---

SCALE: 1"=100'

0 50 100 200 300

NO.	DATE	REVISION

FOR RETIEW ASSOCIATES BY:

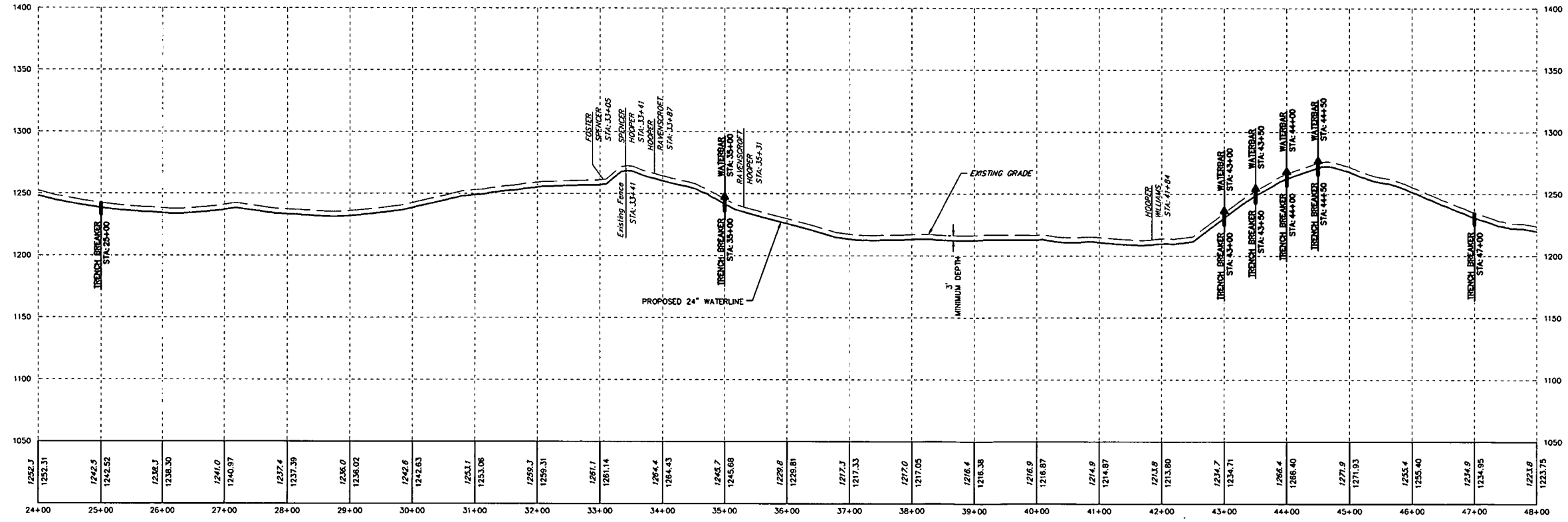
RETIEW ASSOCIATES, INC. 4333 N. WYNDHAM STREET DENVER, CO 80205

MANAGER: ANDREW S. LEVINE	CHKD BY: P.J.F.
DESIGN BY: JDN	CHKD BY: JDN
DRAWN BY: JDN	CHKD BY: JDN
SURV. CHIEF: JDN	REVISION NO. (JAN 01/15)

CLIENT: ANTERO MIDSTREAM PARTNERS, LP
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Antero MidstreamPartners LP

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"CENTERLINE PROFILE OF YVONNE WATERLINE"
HORIZONTAL SCALE - 1"=100'
VERTICAL SCALE - 1"=50'

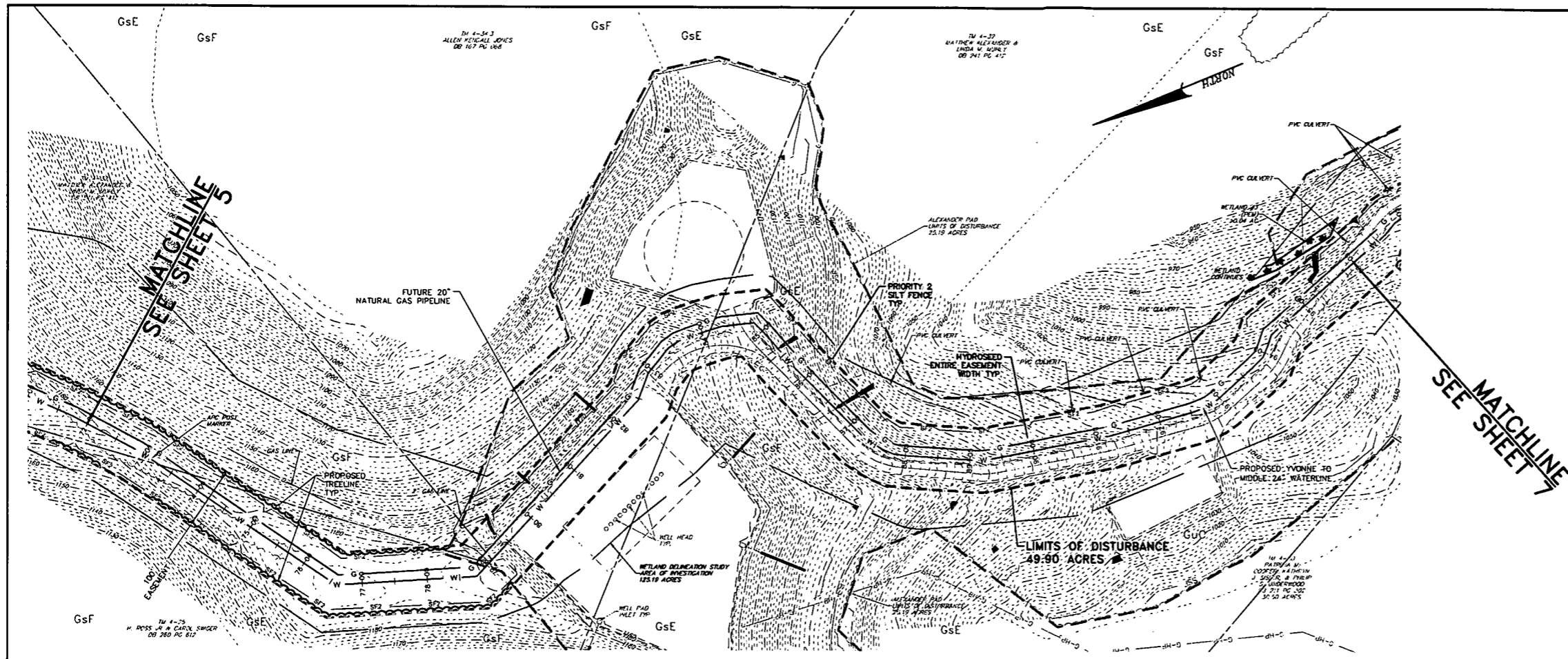
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PLAN AND PROFILE SHEET
EROSION & SEDIMENT CONTROL PLAN
FOR
YVONNE TO MIDDLE PIPELINE
GRANT TAX DISTRICT
WEST UNION TAX DISTRICT
DODDRIDGE COUNTY, WY

DATE:	12/09/16
SHEET NO.:	4 of 16
DWG. NO.:	095452316



LEGEND

EXISTING PROPERTY LINE	---
EXISTING RIGHT-OF-WAY LINE	---
EXISTING PAVEMENT	---
EXISTING STONE	---
EXISTING SOILS BOUNDARY	---
EXISTING TREETLINE	---
EXISTING TREE	○
EXISTING MAJOR CONTOUR LINE	---
EXISTING MINOR CONTOUR LINE	---
EXISTING UTILITY POLE	○
EXISTING OVERHEAD ELECTRIC LINE	---
EXISTING UNDERGROUND ELECTRIC LINE	---
EXISTING GAS LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING FENCE LINE	---
AREA OF INVESTIGATION	---
EXISTING DRAINAGE CHANNEL	---
SOIL LIMITS	---
SOIL DESIGNATION	GpF
EXISTING WETLAND	---
EXISTING STREAM-EPHEMERAL	---
EXISTING STREAM-INTERMITTENT	---
EXISTING STREAM-PERENNIAL	---
COUNTY LINE	---
DISTRICT LINE	---
PROPOSED RIGHT-OF-WAY LINE	---
PROPOSED TEMP. RIGHT-OF-WAY LINE	---
PROPOSED MAJOR CONTOUR LINE	---
PROPOSED MINOR CONTOUR LINE	---
PROPOSED TREETLINE	---
PROPOSED GRAVEL	---
PROPOSED STORM PIPE	---
LIMITS OF DISTURBANCE	---
PROPOSED PRIORITY 1 SILT FENCE	SF1
PROPOSED PRIORITY 2 SILT FENCE	SF2
PROPOSED WATERBAR	---

FOR REVIEW ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE
 CHECK BY: P.J.F.
 DESIGN BY: JUN
 DRAWN BY: JUN
 SURV. CHIEF: REDBROOK NO. DATA COLLECTOR

NO.	DATE	REVISION

NOTE:
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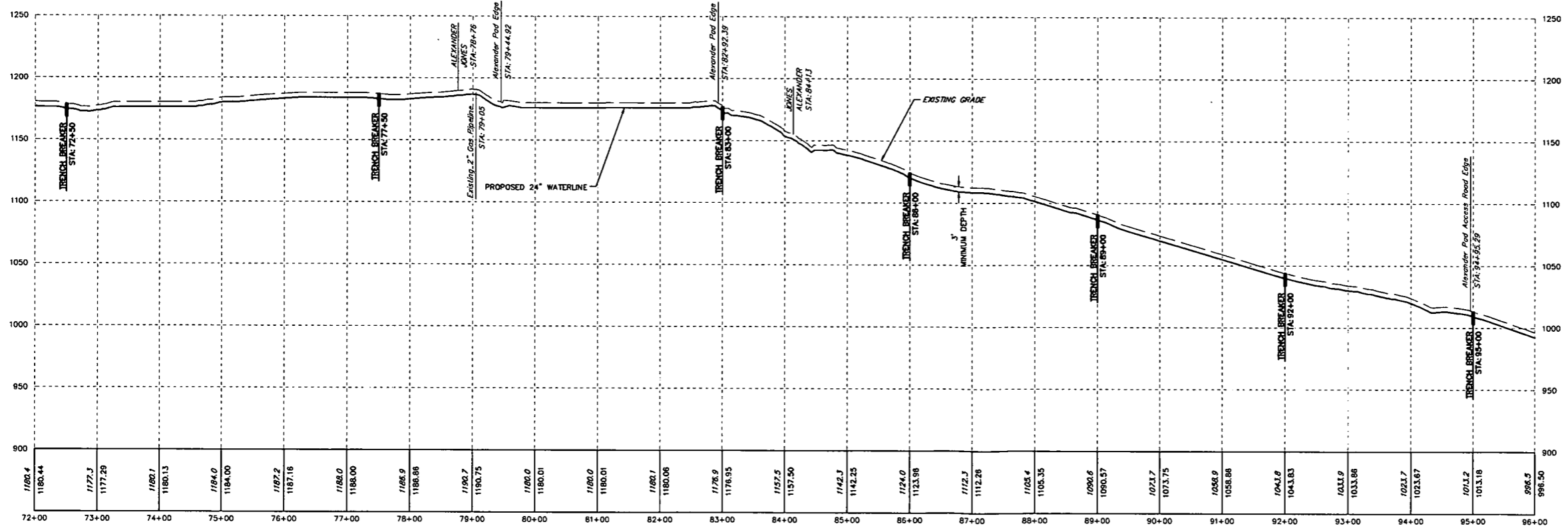
CLIENT
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 1615 WYNKOOP STREET
 DENVER, COLORADO 80202

Antero
 MidstreamPartners LP

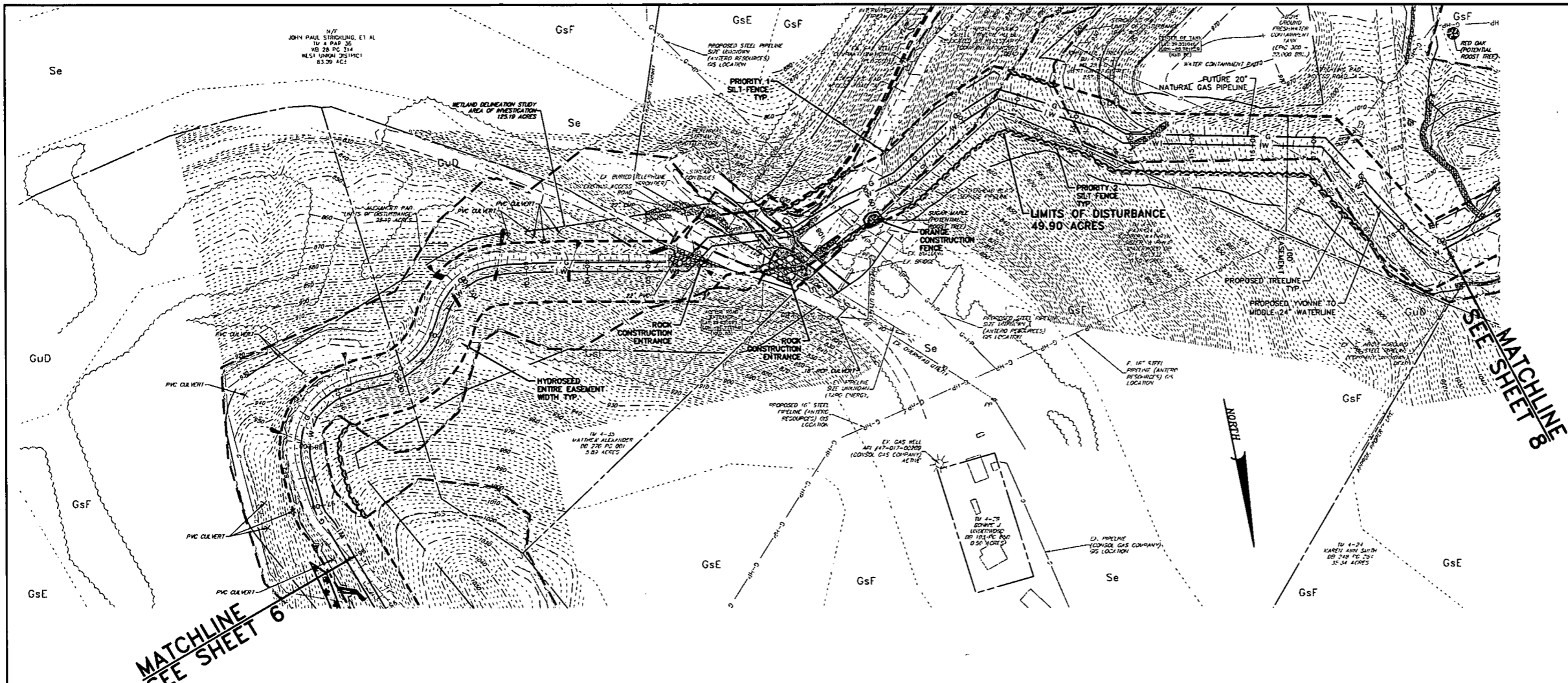
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 Email: rettew@rettew.com
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PLAN AND PROFILE SHEET
 EROSION & SEDIMENT CONTROL PLAN
 FOR
YVONNE TO MIDDLE PIPELINE
 GRANT TAX DISTRICT
 WEST UNION TAX DISTRICT
 DODDRIDGE COUNTY, WY



"CENTERLINE PROFILE OF YVONNE WATERLINE"
 HORIZONTAL SCALE - 1"=100'
 VERTICAL SCALE - 1"=50'



LEGEND

EXISTING PROPERTY LINE	---
EXISTING RIGHT-OF-WAY LINE	---
EXISTING PAVEMENT	---
EXISTING STONE	---
EXISTING SOILS BOUNDARY	---
EXISTING TREETLINE	---
EXISTING TREE	○
EXISTING MAJOR CONTOUR LINE	---
EXISTING MINOR CONTOUR LINE	---
EXISTING UTILITY POLE	○
EXISTING OVERHEAD ELECTRIC LINE	---
EXISTING UNDERGROUND ELECTRIC LINE	---
EXISTING GAS LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING FENCE LINE	---
AREA OF INVESTIGATION	---
EXISTING DRAINAGE CHANNEL	---
SOIL LIMITS	---
SOIL DESIGNATION	---
EXISTING WETLAND	---
EXISTING STREAM-EPHEMERAL	---
EXISTING STREAM-INTERMITTENT	---
EXISTING STREAM-PERENNIAL	---
COUNTY LINE	---
DISTRICT LINE	---
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PROPOSED TEMP. RIGHT-OF-WAY LINE	---
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PROPOSED MINOR CONTOUR LINE	---
PROPOSED TREETLINE	---
PROPOSED GRAVEL	---
PROPOSED STORM PIPE	---
LIMITS OF DISTURBANCE	---
PROPOSED PRIORITY 1 SILT FENCE	---
PROPOSED PRIORITY 2 SILT FENCE	---
PROPOSED WATERBAR	---

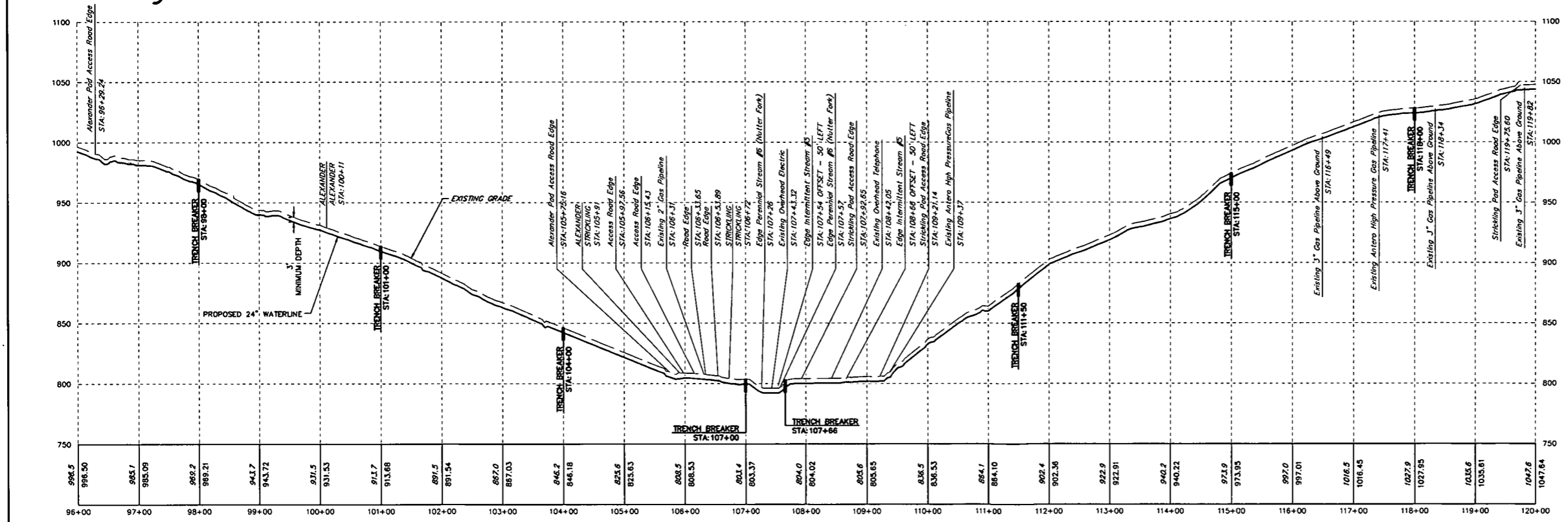
FOR REVIEW ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE	CHKD BY: P.J.F.
DESIGN BY: JDN	CHKD BY: P.J.F.
DRAWN BY: JDN	REVISION NO.:
SURV. CHIEF:	DATE:

CLIENT: ANTERO MIDSTREAM PARTNERS, LP
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Antero
MidstreamPartners LP

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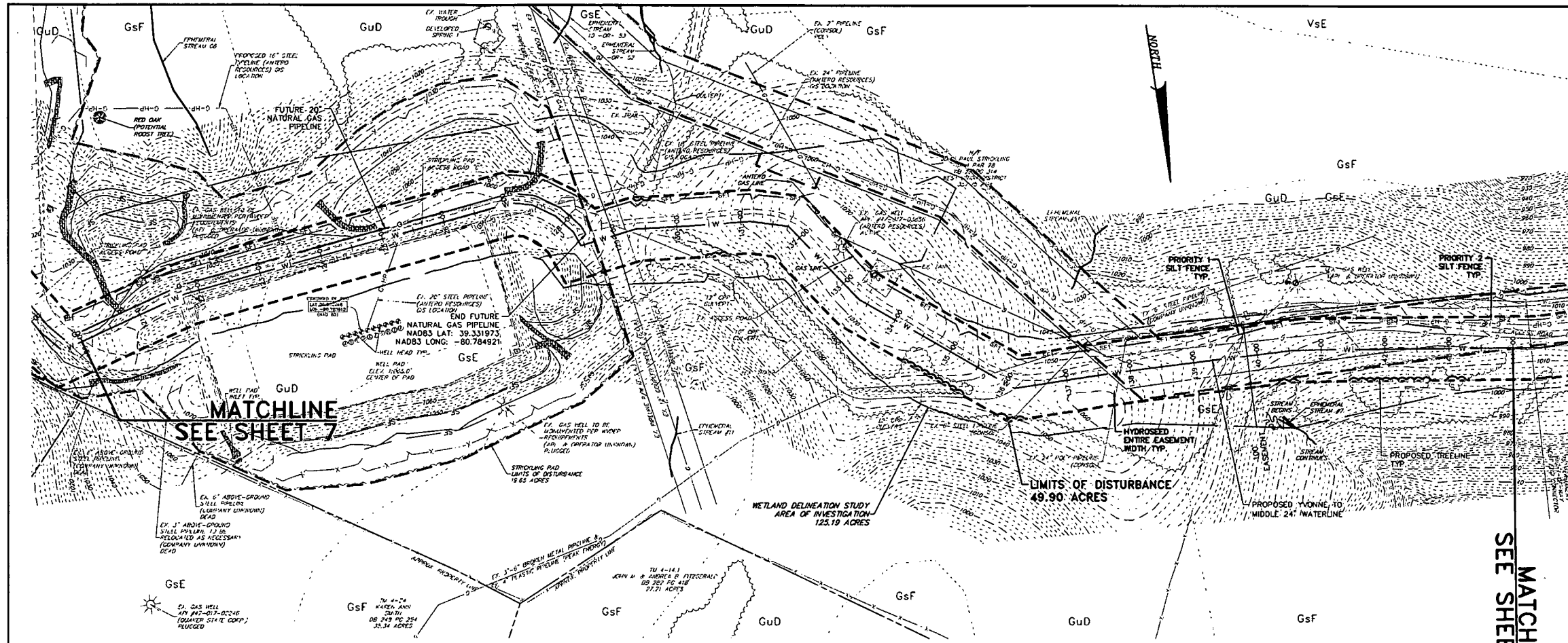
"CENTERLINE PROFILE OF YVONNE WATERLINE"
HORIZONTAL SCALE - 1"=100'
VERTICAL SCALE - 1"=50'

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DATE: 12/09/16
SHEET NO. 7 OF 16
DWG. NO. 095452316



LEGEND

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- EXISTING RIGHT-OF-WAY LINE
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- PROPOSED TREETLINE
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- PROPOSED STORM PIPE
- LIMITS OF DISTURBANCE
- PROPOSED PRIORITY 1 SILT FENCE
- PROPOSED PRIORITY 2 SILT FENCE
- PROPOSED WATERBAR

FOR REVIEW ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE
 CHECKED BY: P.J.F.
 DRAWN BY: J.D.N.
 SURVEY CHECK: TELEPHONE NO. []
 DATE COLLECTOR: []

SCALE: 1"=100'
 0 50' 100' 200' 300'

NO. DATE REVISION

NOTE:
 1. A TRENCH DRAIN SHALL BE PLACED A MINIMUM OF EVERY 300 FT OR AS DIRECTED BY THE ENGINEER.
 2. ALL STREAMS TO BE OPEN CUT UNLESS OTHERWISE NOTED/CALLED OUT.

CLIENT:
ANTERO MIDSTREAM PARTNERS, LP
 1615 WYKHOOP STREET
 DENVER, COLORADO 80202

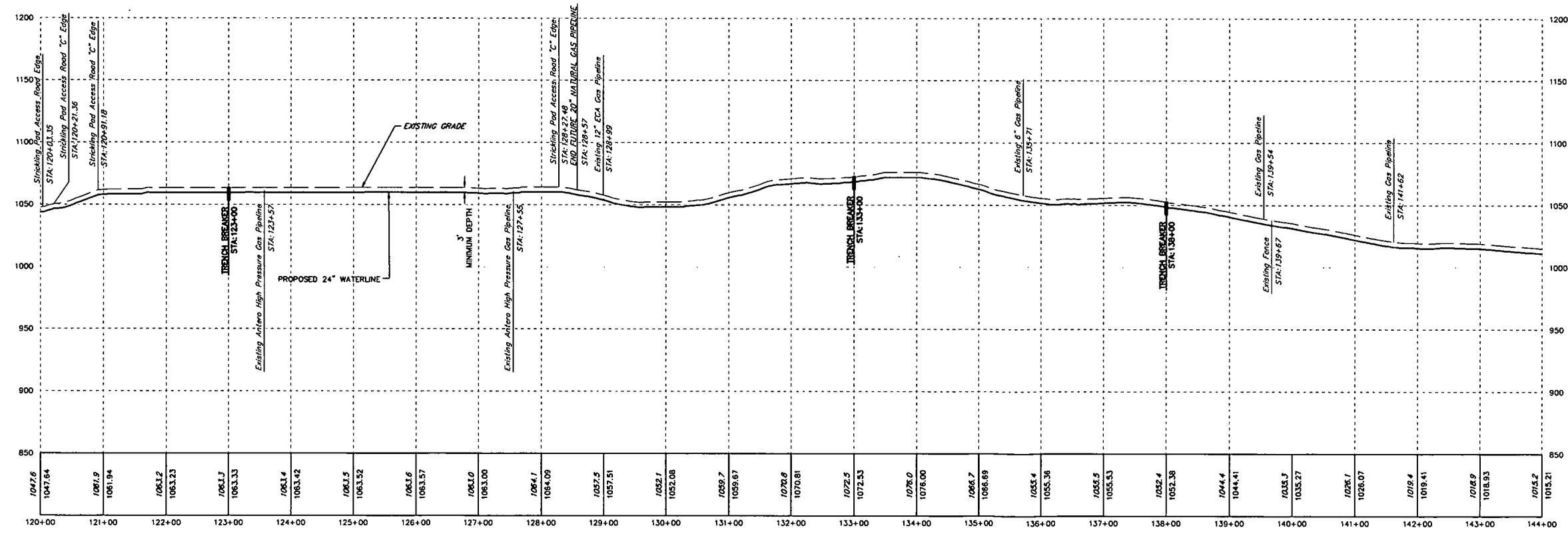
Antero
 MidstreamPartners LP

RETTEW
 RETTEW Associates, Inc.
 One Robinson Plaza, Suite 200, Pittsburgh, PA 15205
 Phone (412) 446-1728 For (412) 446-1733
 Email: rette@rette.com
 Website: www.rette.com

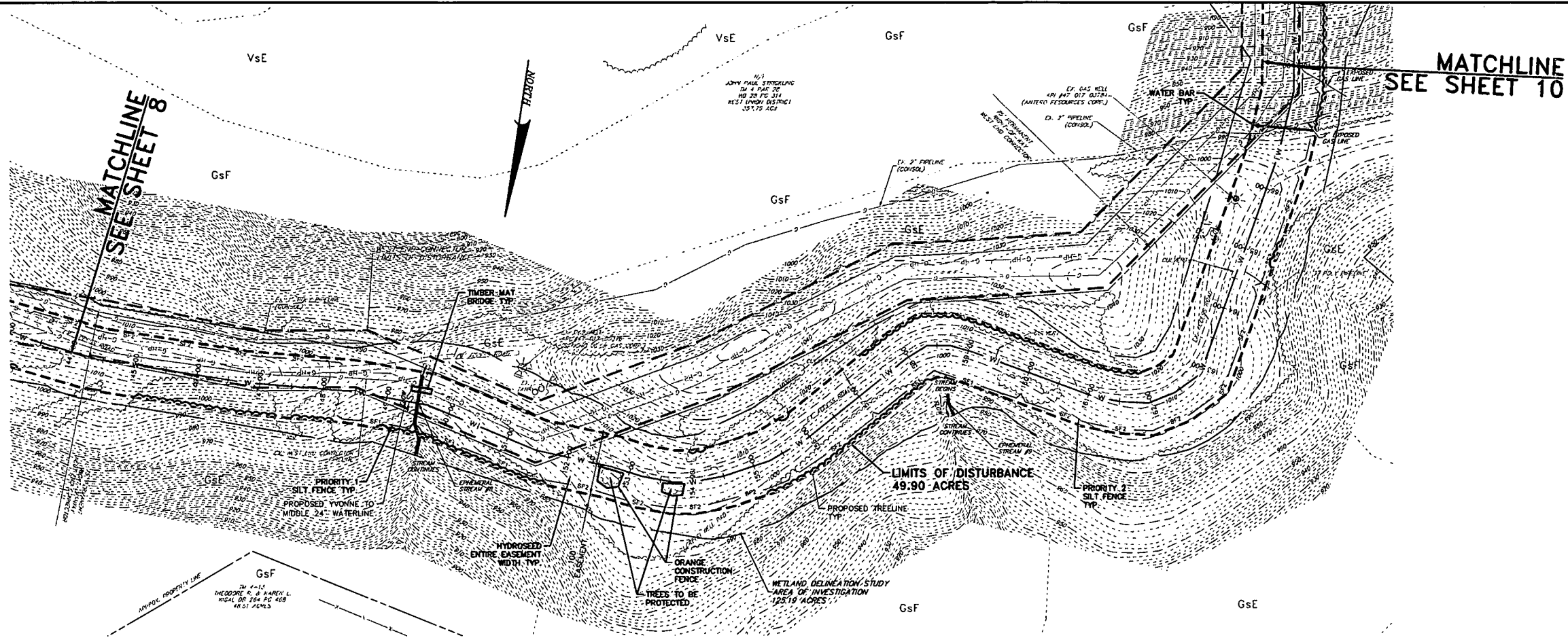
Engineers • Planners • Scientists • Landscape Architects
 Environmental Consultants

PLAN AND PROFILE SHEET
 EROSION & SEDIMENT CONTROL PLAN
 FOR
YVONNE TO MIDDLE PIPELINE
 GRANT TAX DISTRICT
 WEST UNION TAX DISTRICT
 DODDRIDGE COUNTY, WY

DATE: 12/09/16
 SHEET NO. 8 OF 16
 DWG. NO. 095452316



"CENTERLINE PROFILE OF YVONNE WATERLINE"
 HORIZONTAL SCALE - 1"=100'
 VERTICAL SCALE - 1"=50'



MATCHLINE
SEE SHEET 10

LEGEND

EXISTING PROPERTY LINE	---
EXISTING RIGHT-OF-WAY LINE	---
EXISTING PAVEMENT	---
EXISTING STONE	---
EXISTING SOILS BOUNDARY	---
EXISTING TREETLINE	---
EXISTING TREE	○
EXISTING MAJOR CONTOUR LINE	---
EXISTING MINOR CONTOUR LINE	---
EXISTING UTILITY POLE	○
EXISTING OVERHEAD ELECTRIC LINE	---
EXISTING UNDERGROUND ELECTRIC LINE	---
EXISTING GAS LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING FENCE LINE	---
EXISTING DRAINAGE CHANNEL	---
SOIL LIMITS	---
SOIL DESIGNATION	GpF
EXISTING METLAND	---
EXISTING STREAM-EPHEMERAL	---
EXISTING STREAM-INTERMITTENT	---
EXISTING STREAM-PERENNIAL	---
COUNTY LINE	---
DISTRICT LINE	---
PROPOSED RIGHT-OF-WAY LINE	---
PROPOSED TEMP. RIGHT-OF-WAY LINE	---
PROPOSED MAJOR CONTOUR LINE	---
PROPOSED MINOR CONTOUR LINE	---
PROPOSED TREETLINE	---
PROPOSED GRAVEL	---
PROPOSED STORM PIPE	---
LIMITS OF DISTURBANCE	---
PROPOSED PRIORITY 1 SILT FENCE	---
PROPOSED PRIORITY 2 SILT FENCE	---
PROPOSED WATERBAR	---

FOR RETIEW ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE
DESIGN BY: JDN
DRAWN BY: JDN
SURV. CHIEF: DAN OLETT

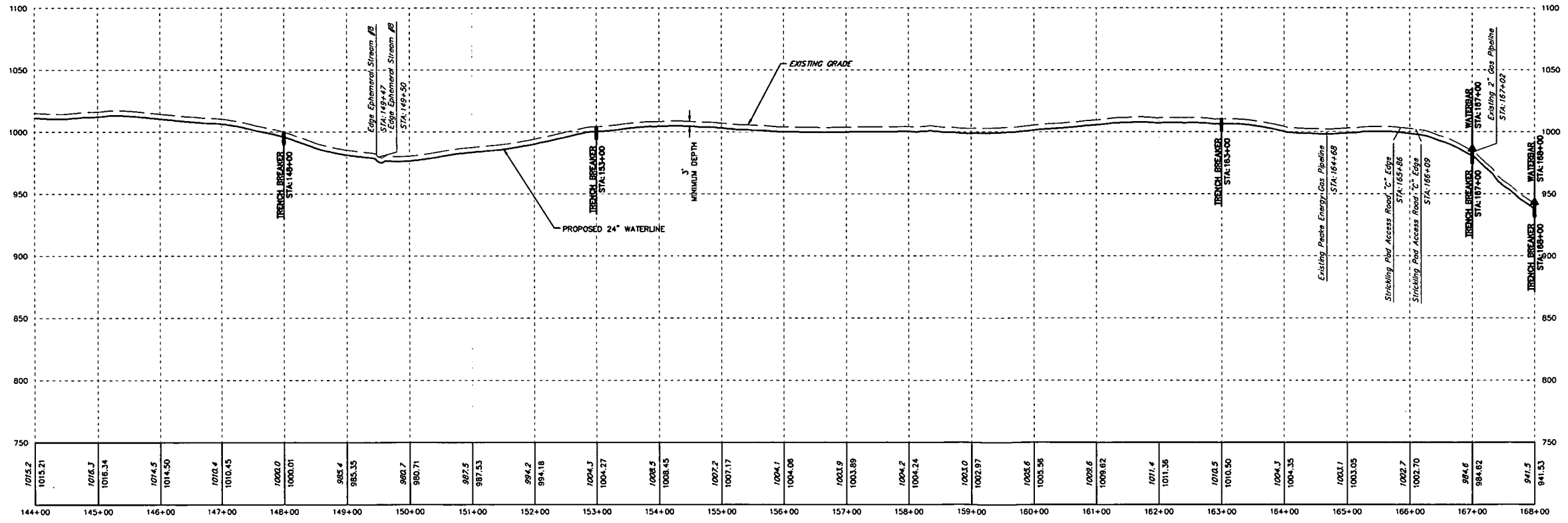
CHD BY: P.J.F.
CHD BY: P.J.F.
REVISION NO.: (blank)

NO. DATE REVISION

CLIENT
ANTERO MIDSTREAM PARTNERS, LP
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Antero
MidstreamPartners LP

- NOTE:
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"CENTERLINE PROFILE OF YVONNE WATERLINE"
HORIZONTAL SCALE - 1"=100'
VERTICAL SCALE - 1"=50'

RETIEW
RETIEW Associates, Inc.
One Robinson Plaza, Suite 200, Pittsburgh, PA 15205
Phone (412) 448-1728 Fax (412) 448-1733
Email: retiew@retiew.com Website: www.retiew.com

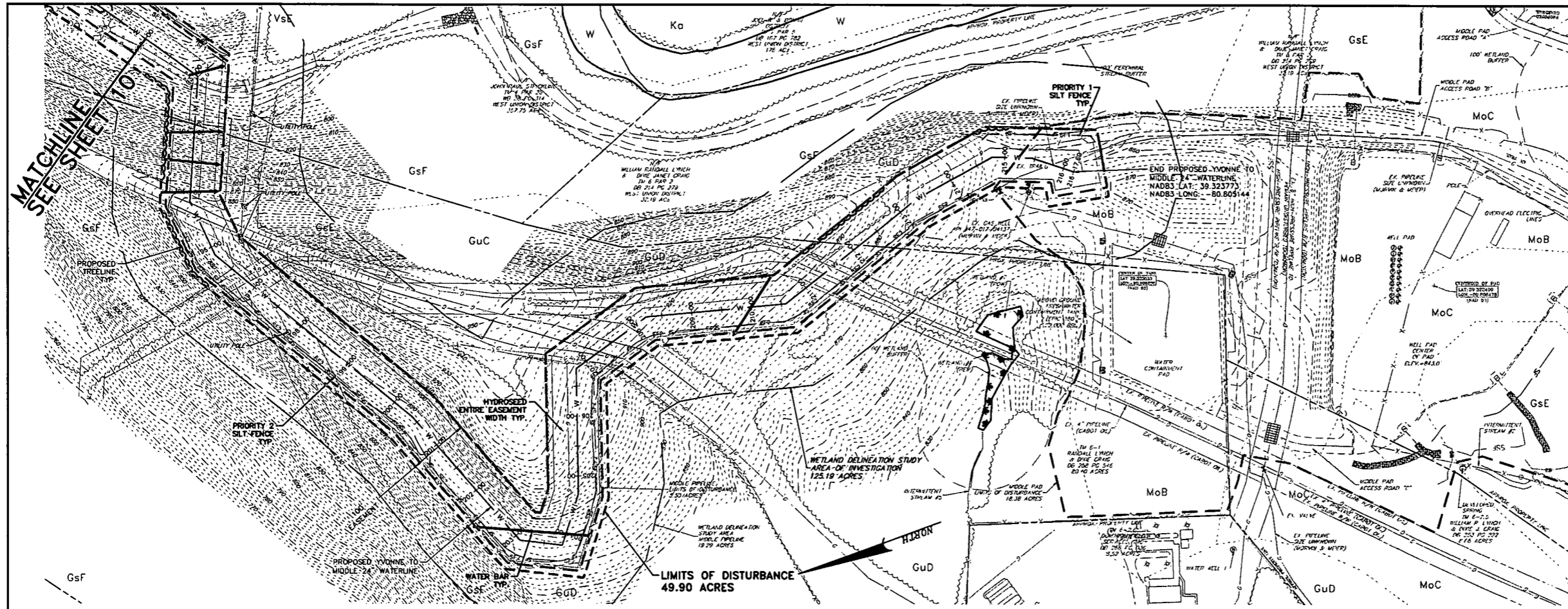
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PLAN AND PROFILE SHEET
EROSION & SEDIMENT CONTROL PLAN
FOR
YVONNE TO MIDDLE PIPELINE
GRANT TAX DISTRICT
WEST UNION TAX DISTRICT
DODDRIDGE COUNTY, WY

DATE: 12/09/16

SHEET NO. 9 OF 16

DWG. NO. 095452316



LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PAVEMENT
- EXISTING STONE
- EXISTING SOILS BOUNDARY
- EXISTING TREELINE
- EXISTING TREE
- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING FENCE LINE
- AREA OF INVESTIGATION
- EXISTING DRAINAGE CHANNEL
- SOIL LIMITS
- SOIL DESIGNATION
- EXISTING WETLAND
- EXISTING STREAM-EPHEMERAL
- EXISTING STREAM-INTERMITTENT
- EXISTING STREAM-PERENNIAL
- COUNTY LINE
- DISTRICT LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED TEMP. RIGHT-OF-WAY LINE
- PROPOSED MAJOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- PROPOSED TREELINE
- PROPOSED GRAVEL
- PROPOSED STORM PIPE
- LIMITS OF DISTURBANCE
- PROPOSED PRIORITY 1 SILT FENCE
- PROPOSED PRIORITY 2 SILT FENCE
- PROPOSED WATERBAR

NOTE:
 1. A TRENCH DRAIN SHALL BE PLACED A MINIMUM OF EVERY 300 FT OR AS DIRECTED BY THE ENGINEER.
 2. ALL STREAMS TO BE OPEN CUT UNLESS OTHERWISE NOTED/CALLED OUT.

SCALE: 1"=100'

FOR RETNEW ASSOCIATES BY:

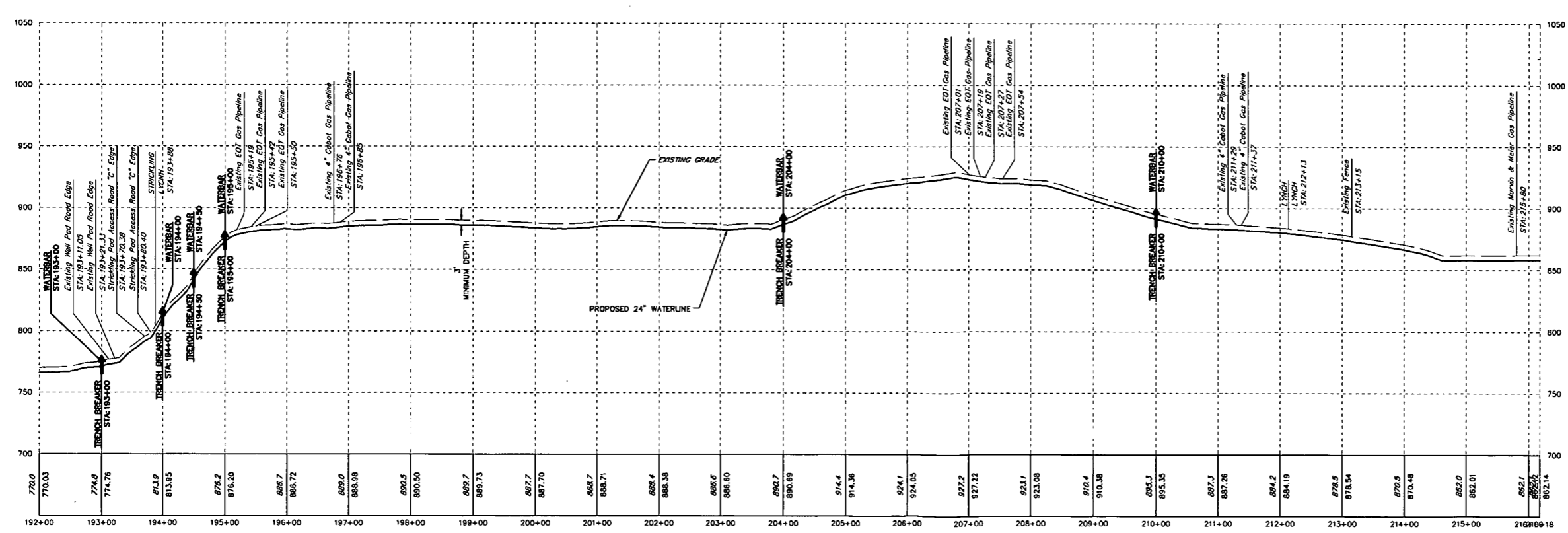
MANAGER: ANDREW S. LEVINE
 DESIGN BY: JDN
 DRAWN BY: JDN
 SURV. CHIEF: JANA COLUCCI

CLIENT: ANTERO MIDSTREAM PARTNERS, LP
 1615 WYKHOOP STREET
 DENVER, COLORADO 80202

Antero MidstreamPartners LP

REVISION

NO.	DATE	REVISION

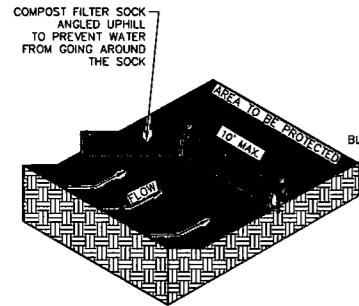


"CENTERLINE PROFILE OF YVONNE WATERLINE"
 HORIZONTAL SCALE - 1"=100'
 VERTICAL SCALE - 1"=50'

PLAN AND PROFILE SHEET
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 FOR
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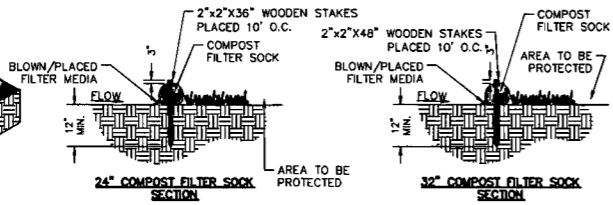
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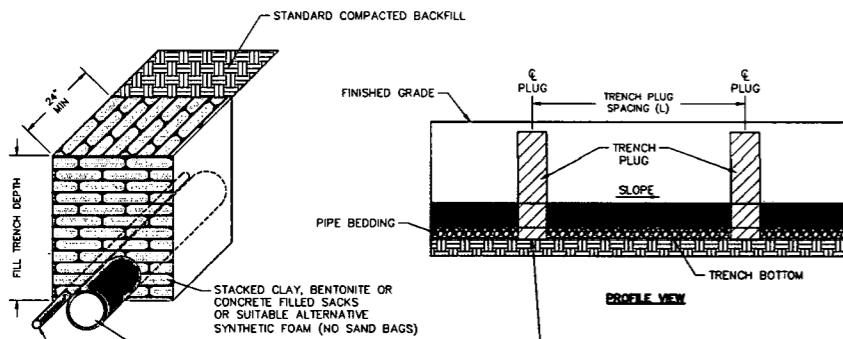
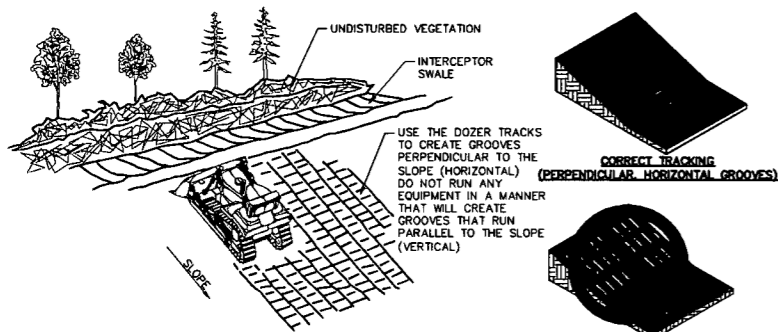


COMPOST FILTER SOCK NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS OR APPROVED EQUAL.
2. FILTER MEDIA TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPENSED ON SITE, AS DETERMINED BY THE ENGINEER/PROJECT MANAGER.
4. SEDIMENT ACCUMULATIONS REACHING 1/2 THE HEIGHT OF THE COMPOST FILTER SOCK SHALL BE PLACED AND STABILIZED IN TOPSOIL STOCKPILES.

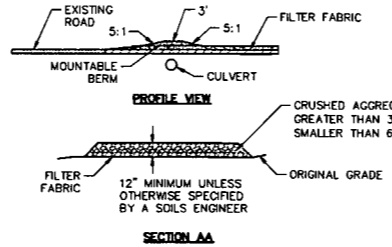
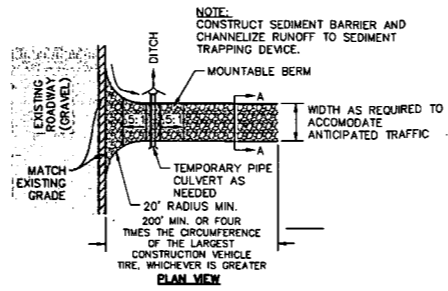
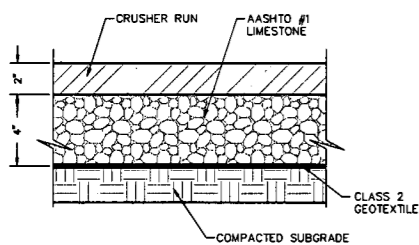


COMPOST FILTER SOCK DETAIL
NOT TO SCALE

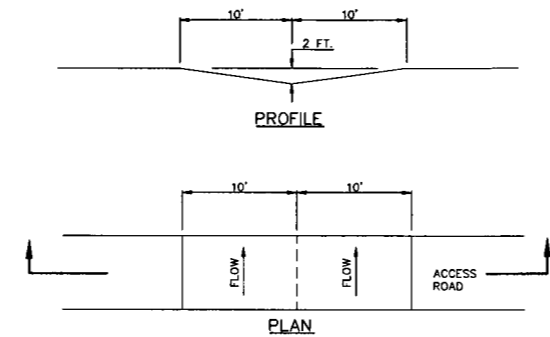


TYPICAL SPACING OF TRENCH BREAKERS:

SLOPE	SPACING
5% - 15%	150 FEET
15% - 30%	100 FEET
30% AND/OR GREATER	50 FEET



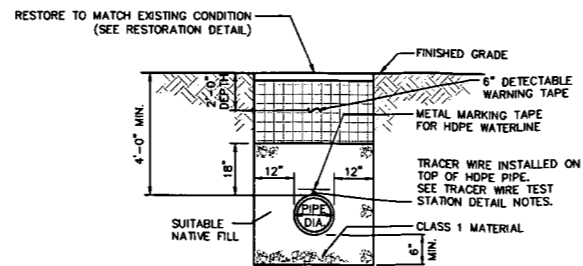
STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



NOTES:
BROAD-BASED DIPS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN AND AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS.
DIPS SHALL BE ORIENTED SO AS TO DISCHARGE TO THE LOW SIDE OF THE ROADWAY.
DIPS SHALL BE INSPECTED DAILY. DAMAGED OR NON-FUNCTIONING DIPS SHALL BE REPAIRED BY THE END OF THE WORKDAY.
MAXIMUM SPACING OF BROAD-BASED DIPS SHALL BE EQUAL TO 400' / % GRADE + 75'.
USE OUTLET PROTECTION AS DEPICTED IN WATERBAR/BROAD BASED DIP OUTLET PROTECTION DETAIL.

CLASSIFICATION OF MATERIALS:

- CLASS 1 - THIS MATERIAL SHALL CONSIST OF 2A COARSE AGGREGATE OR 2 RC STONE FREE OF SLAG, EXCEPT IN WET OR UNSTABLE AREAS WHERE THE BEDDING MAY BE NO. 8 OR NO. 57 COARSE AGGREGATE.
- CLASS 1S - THIS MATERIAL SHALL CONSIST OF NO. 8 COARSE AGGREGATE FREE OF SLAG, EXCEPT IN WET OR UNSTABLE AREAS WHERE THE BEDDING MAY BE NO. 8 OR NO. 57 COARSE AGGREGATE.
- CLASS 2 - THIS MATERIAL SHALL CONSIST OF EXCAVATED MATERIAL FREE FROM CINDERS, ASHES, REFUSE, VEGETABLE OR ORGANIC MATERIAL, BOULDERS, ROCKS NO LARGER THAN FOUR (4) INCHES IN DIMENSION, STONE OR OTHER MATERIAL WHICH IN THE OPINION OF THE ENGINEER IS UNSUITABLE.

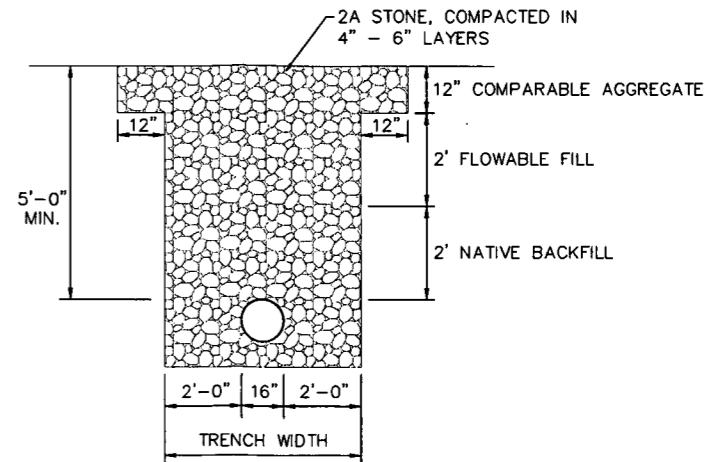


TYPICAL TRENCH DETAIL-WATERLINE
NOT TO SCALE

SUITABLE APPLICATIONS:
WHERE DIRT OR MUD CAN BE TRACKED ONTO PUBLIC ROADS ADJACENT TO WATER BODIES, WHERE POOR SOILS ARE ENCOUNTERED, WHERE DUST IS A PROBLEM DURING DRY WEATHER CONDITIONS.

DESIGN AND LAYOUT:
CONSTRUCT ON LEVEL GROUND WHERE POSSIBLE. SELECT 3 TO 6 INCH DIAMETER STONES. USE MINIMUM DEPTH OF 12" OR AS RECOMMENDED BY SOILS ENGINEER. PROVIDE AMPLE TURNING RADI AS PART OF THE ENTRANCE. LIMITSPEED OF VEHICLES TO CONTROL DUST. PROPERLY GRADE EACH CONSTRUCTION ENTRANCE/EXIT TO PREVENT CONSTRUCTION SITE. ROUTE RUNOFF FROM STABILIZED ENTRANCES/EXITS THRU A SEDIMENT TRAPPING DEVICE BEFORE DISCHARGE. DESIGNATE COMBINATION OR SINGLE PURPOSE ENTRANCES AND EXITS TO THE CONSTRUCTION SITE. REQUIRE THAT ALL EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS UTILIZE STABILIZED CONSTRUCTION ENTRANCE/EXIT.

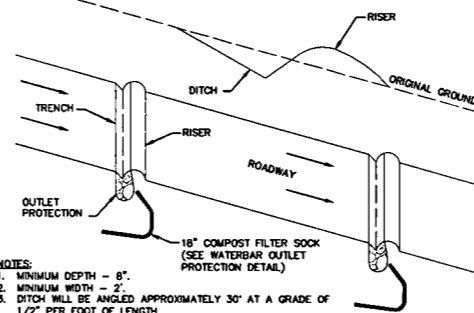
INSPECTION AND MAINTENANCE:
INSPECT AND VERIFY THAT ACTIVITY BASED BMP'S ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP'S ARE UNDER WAY, INSPECT WEEKLY DURING THE RAINY SEASON AND TWO-WEEK INTERVALS IN THE NON-RAINY SEASON TO VERIFY CONTINUED BMP IMPLEMENTATION. INSPECT LOCAL ROADS ADJACENT TO THE SITE DAILY. REMOVE AGGREGATE, SEPARATE AND DISPOSE OF SEDIMENT IF CONSTRUCTION ENTRANCE/EXIT IS CLOGGED WITH SEDIMENT. KEEP ALL TEMPORARY ROADWAY DITCHES CLEAR. CHECK FOR DAMAGE AND REPAIR AS NEEDED. REPLACE GRAVEL MATERIAL WHEN SURFACE VOIDS ARE VISIBLE. REMOVE GRAVEL AND FILTER FABRIC AT RECLAMATION.



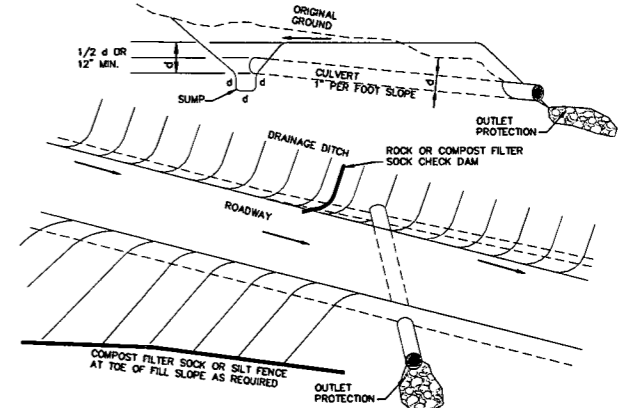
TRENCH RESTORATION DETAIL FOR ROAD CROSSINGS
NOT TO SCALE

SPACING OF CROSS DRAINS

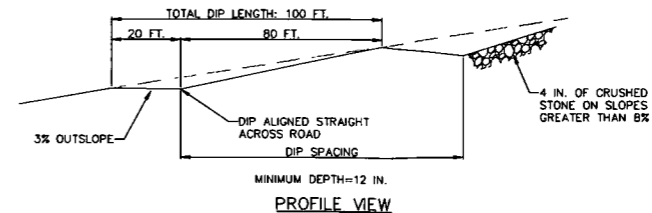
ROAD GRADE (%)	DISTANCE BETWEEN DRAINS (FT.)
1	100
2	250
5	135
10	80
15	60
20	45



RIGHT OF WAY DIVERSION / WATERBAR
NOT TO SCALE



DITCH RELIEF CULVERT
NOT TO SCALE



NOTES:
BROAD-BASED DIPS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN AND AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS.
DIPS SHALL BE ORIENTED SO AS TO DISCHARGE TO THE LOW SIDE OF THE ROADWAY.
DIPS SHALL BE INSPECTED DAILY. DAMAGED OR NON-FUNCTIONING DIPS SHALL BE REPAIRED BY THE END OF THE WORKDAY.
MAXIMUM SPACING OF BROAD-BASED DIPS SHALL BE EQUAL TO 400' / % GRADE + 75'.
USE OUTLET PROTECTION AS DEPICTED IN WATERBAR/BROAD BASED DIP OUTLET PROTECTION DETAIL.

BROAD BASED DIP FOR HIGH GRADIENT (5%-10%) ROADWAYS
NOT TO SCALE

NO.	DATE	REVISION



MANAGER: ANDREW S. LEVINE
DESIGN BY: P.J.F.
DRAWN BY: J.D.N.
SURV. CHECK: P.J.F.
FOR RETNEW ASSOCIATES BY:

CLIENT: ANTERO MIDSTREAM PARTNERS, LP
1615 WYKHOOP STREET
DENVER, COLORADO 80202

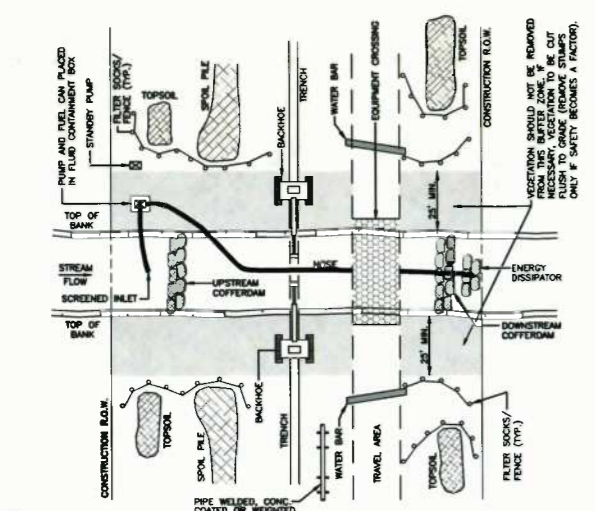
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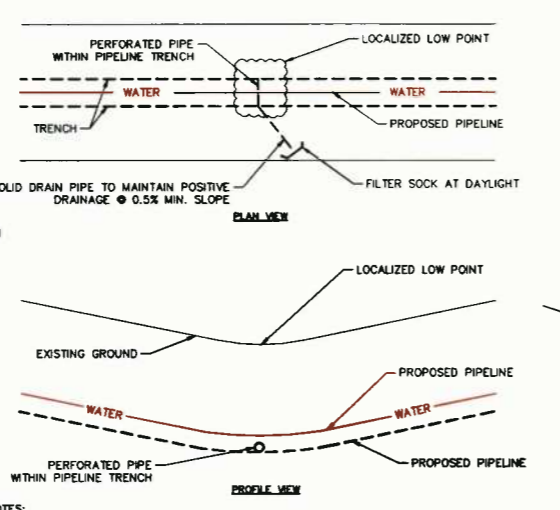
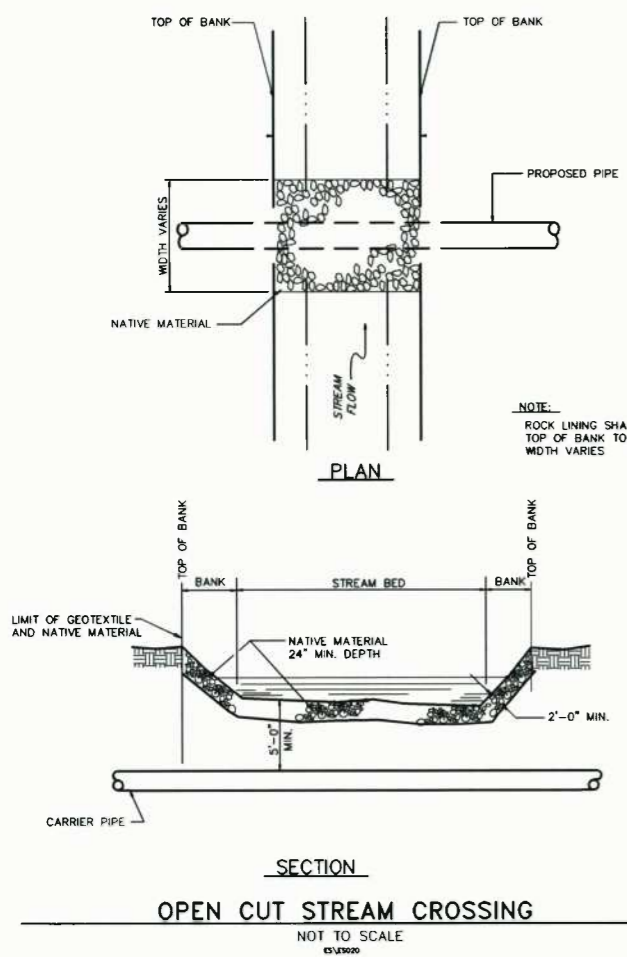
E&S DETAILS
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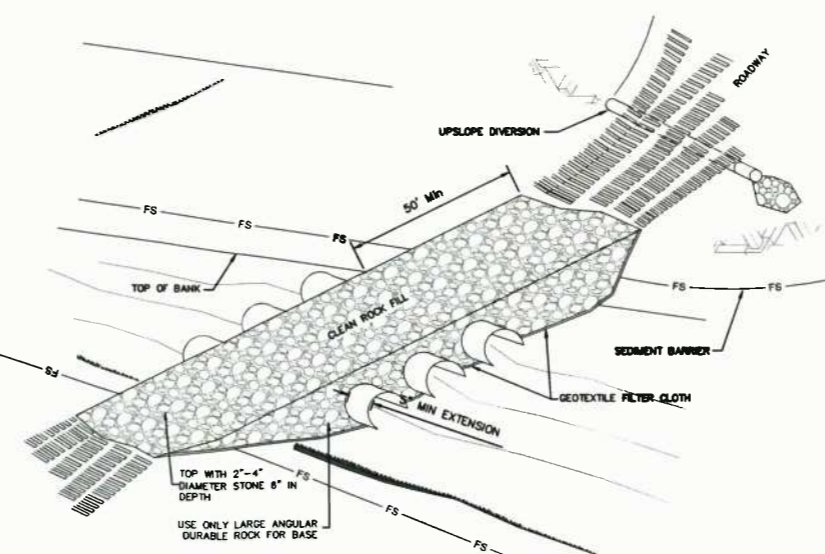
STREAM CROSSING DETAIL - COFFERDAM & PUMP-AROUND

NOT TO SCALE



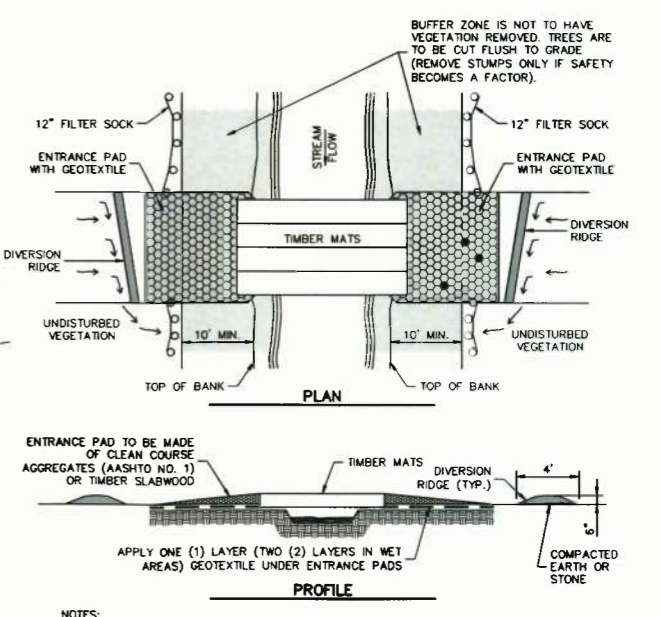
LOW LYING AREA BLEEDER DRAIN

NOT TO SCALE



STREAM CROSSING WITH CULVERT

NOT TO SCALE



STREAM MAT/TEMPORARY ROAD CROSSING DETAIL

NOT TO SCALE



THIS SECTION SPECIFIES A HYDRAULICALLY-APPLIED, 100% BIODEGRADABLE, HIGH PERFORMANCE-FLEXIBLE GROWTH MEDIUM (HP-FGM) THAT IS MANUFACTURED IN THE UNITED STATES AND IS COMPOSED OF 100% RECYCLED THERMALLY REFINED (WITHIN A PRESSURE VESSEL) WOOD FIBERS, CRIMPED INTERLOCKING MAN-MADE BIODEGRADABLE FIBERS, MICRO-PORE GRANULES, NATURALLY DERIVED CROSSLINKED BIOPOLYMERS AND WATER ABSORBENTS. THE HP-FGM IS PHYTOSANITIZED, FREE FROM PLASTIC NETTING, REQUIRES NO CURING PERIOD AND UPON APPLICATION FORMS AN INTIMATE BOND WITH THE SOIL SURFACE TO CREATE A CONTINUOUS, POROUS, ABSORBENT AND FLEXIBLE EROSION RESISTANT BLANKET THAT ALLOWS FOR RAPID GERMINATION AND ACCELERATED PLANT GROWTH. ALL COMPONENTS OF THE FGM SHALL BE PRE-PACKAGED BY THE MANUFACTURER TO ASSURE BOTH MATERIAL PERFORMANCE AND COMPLIANCE WITH THE FOLLOWING VALUES. NO CHEMICAL ADDITIVES WITH THE EXCEPTION OF FERTILIZER, LIMING AND BIOSTIMULANT MATERIALS SHOULD BE ADDED TO THIS PRODUCT.

INSTALLATION

STRICTLY COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. USE APPROVED HYDRO-SPRAYING MACHINES WITH FAN-TYPE NOZZLE (50-DEGREE TIP) TO ACHIEVE OPTIMUM SOIL SURFACE COVERAGE. APPLY HP-FGM FROM OPPOSING DIRECTIONS TO SOIL SURFACE. ROUGH SURFACES (ROCKY TERRAIN, CAT TRACKS AND RIPPED SOILS) MAY REQUIRE HIGHER APPLICATION RATES TO ACHIEVE 100% COVER. SLOPE INTERRUPTION DEVICES OR WATER DIVERSION TECHNIQUES ARE RECOMMENDED WHEN SLOPE LENGTHS EXCEED 100 FEET (30 M). MAXIMUM SLOPE LENGTH IS FOR PRODUCT APPLICATIONS ON A 3H:1V SLOPE. FOR APPLICATION ON STEEPER SLOPES, SLOPE INTERRUPTION LENGTHS MAY NEED TO BE DECREASED BASED ON ACTUAL SITE CONDITIONS. NOT RECOMMENDED FOR CHANNELS OR AREAS WITH CONCENTRATED WATER FLOW. NO CHEMICAL ADDITIVES WITH THE EXCEPTION OF FERTILIZER, LIMING AND BIOSTIMULANT MATERIALS SHOULD BE ADDED TO THIS PRODUCT. TO ENSURE PROPER APPLICATION RATES, MEASURE AND STAKE AREA, FOR MAXIMUM PERFORMANCE, APPLY HP-FGM IN A TWO-STEP PROCESS AS FOLLOWS:

1. STEP ONE: APPLY FERTILIZER WITH SPECIFIED PRESCRIPTIVE AGRONOMIC FORMULATIONS AND 50% OF SEED WITH A SMALL AMOUNT OF HP-FGM FOR VISUAL METTERING.
2. STEP TWO: MIX BALANCE OF SEED AND APPLY HP-FGM AT A RATE OF 50 LB PER 125 GALLONS (23 KG/475 LITERS) OF WATER OVER FRESHLY SEEDED SURFACES. CONFIRM LOADING RATES WITH EQUIPMENT MANUFACTURER. DO NOT LEAVE SEEDED SURFACES UNPROTECTED, ESPECIALLY IF PRECIPITATION IS IMMINENT.

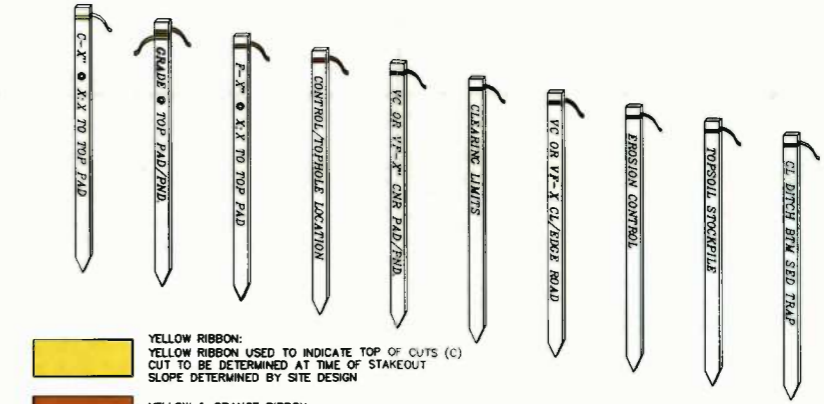
APPLICATION RATES: THESE APPLICATION RATES ARE FOR STANDARD CONDITIONS. DESIGNERS MAY WISH TO REDUCE RATES TO ENCOURAGE FASTER VEGETATION ESTABLISHMENT OR MAY NEED TO INCREASE APPLICATION RATES ON ROUGH SURFACES. CONSULT APPLICATION AND LOADING CHARTS TO DETERMINE NUMBER OF BAGS TO BE ADDED FOR DESIRED AREA AND APPLICATION RATE.

SLOPE GRADIENT / CONDITION	ENGLISH	SI
< 4H TO 1V	2500 LB/AC	2800 KG/HA
> 4H TO 1V AND < 3H TO 1V	3000 LB/AC	3400 KG/HA
> 3H TO 1V AND < 2H TO 1V	3500 LB/AC	3900 KG/HA
> 2H TO 1V AND < 1H TO 1V	4000 LB/AC	4500 KG/HA
> 1H TO 1V	4500 LB/AC	5100 KG/HA
BELOW ECB OR TRM	1500 LB/AC	1700 KG/HA
AS INFILL FOR TRM	3500 LB/AC	3900 KG/HA

- NOTE:
1. PLEASE NOTE THAT THE INFORMATION PRESENTED HEREIN IS GENERAL INFORMATION ONLY. IT IS FOR CONCEPTUAL USE ONLY AND NOT INTENDED TO BE USED FOR CONSTRUCTION. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE ITS ACCURACY, THIS INFORMATION SHOULD NOT BE USED FOR A SPECIFIC APPLICATION WITHOUT INDEPENDENT PROFESSIONAL EXAMINATION AND VERIFICATION OF ITS SUITABILITY, APPLICABILITY AND ACCURACY.
 2. SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS.

FLEXTERRA HP-FGM SLOPE LINING

NOT TO SCALE



- YELLOW RIBBON:** YELLOW RIBBON USED TO INDICATE TOP OF CUTS (C) CUT TO BE DETERMINED AT TIME OF STAKEOUT SLOPE DETERMINED BY SITE DESIGN
- YELLOW & ORANGE RIBBON:** YELLOW & ORANGE RIBBON USED TO INDICATE GRATE AT TOP OF PAD/POND/PIT
- ORANGE RIBBON:** ORANGE RIBBON USED TO INDICATE TOES OF FILLS (F) FILL TO BE DETERMINED AT TIME OF STAKEOUT SLOPE DETERMINED BY SITE DESIGN
- PINK RIBBON:** PINK RIBBON USED TO INDICATE TOP HOLE LOCATION PINK RIBBON USED TO INDICATE SURVEY CONTROL LOCATIONS
- PINK AND BLACK STRIPE RIBBON:** PINK & BLACK STRIPE RIBBON USED TO INDICATE VERTICAL CUT (VC) AT PAD/POND/PIT CORNER OR EDGE PINK & BLACK STRIPE RIBBON USED TO INDICATE VERTICAL FILL (VF) AT PAD/POND/PIT CORNER OR EDGE VERTICAL CUT/VERTICAL FILL TO BE DETERMINED AT TIME OF STAKEOUT
- BLUE & WHITE STRIPE RIBBON:** BLUE & WHITE STRIPE RIBBON USED TO INDICATE CLEARING LIMITS/CONSTRUCTION LINE
- ORANGE & BLACK STRIPE RIBBON:** ORANGE & BLACK STRIPE RIBBON USED TO INDICATE VERTICAL CUT (VC) AT CENTERLINE OR EDGE OF ACCESS ROAD ORANGE & BLACK STRIPE RIBBON USED TO INDICATE VERTICAL FILL (VF) AT CENTERLINE OR EDGE OF ACCESS ROAD
- PINK & WHITE STRIPE RIBBON:** PINK & WHITE STRIPE RIBBON USED TO INDICATE EROSION AND SEDIMENT CONTROL STRUCTURES SILT FENCE (SF) REINFORCED FILTER FENCE (RFF) SUPER SILT FENCE (SSF) FILTER SOCK (FS)
- ORANGE & WHITE STRIPE RIBBON:** ORANGE & WHITE STRIPE RIBBON USED TO INDICATE TOPSOIL STOCKPILE LOCATIONS
- BLUE RIBBON:** BLUE RIBBON USED TO INDICATE CENTERLINE (C) DITCH BLUE RIBBON USED TO INDICATE BOTTOM (BTM) SEDIMENT TRAPS

ANTERO RESOURCES STANDARD RIBBON COLOR SCHEME

FOR RETEWS ASSOCIATES BY:

MANAGER: ANDREW S. LEVINE
DESIGN BY: JUN P.F.
DRAWN BY: JUN P.F.
SURV. CHECK: JIM OLETTA

CLIENT: ANTERO MIDSTREAM PARTNERS, LP
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E&S DETAILS EROSION & SEDIMENT CONTROL PLAN FOR YVONNE TO MIDDLE PIPELINE

DATE: 12/09/16
SHEET NO. 15 OF 16
DWG. NO. 095452316

GRANT TAX DISTRICT WEST UNION TAX DISTRICT DODDRIDGE COUNTY, WV

From: [Luz Slauter](#)
To: [Sally Ebeling](#); [Parke Bongiorno](#)
Cc: [Wvatt Webster](#)
Subject: Finally!: Modification Approval for WVR310451-D, West End Connector Pipeline, Doddridge County, Acres (324.74)
Date: Monday, March 20, 2017 3:57:58 PM

Yvonne to Middle Project Stormwater Permit approval.

Luz C. Slauter
Midstream Environmental & Regulatory Manager
Direct: 303-357-6834
Cell: 720-519-3806
Email: lslauter@anteroresources.com

From: DEP NPDESEP [<mailto:DEP.NPDESEP@wv.gov>]
Sent: Monday, March 20, 2017 1:57 PM
To: Luz Slauter; DEP NPDESEP
Cc: Casto, Timothy J; McGee, James L; Cochran, Joseph W
Subject: RE: Modification Approval for WVR310451-D, West End Connector Pipeline, Doddridge County, Acres (324.74)

Resending due to incorrect email address.

From: DEP NPDESEP
Sent: Monday, March 20, 2017 3:55 PM
To: LSlauter@anteroresources.com; DEP NPDESEP <DEP.NPDESEP@wv.gov>
Cc: Casto, Timothy J <Tim.J.Casto@wv.gov>; McGee, James L <James.L.McGee@wv.gov>; Cochran, Joseph W <Joseph.W.Cochran@wv.gov>
Subject: Modification Approval for WVR310451-D, West End Connector Pipeline, Doddridge County, Acres (324.74)

Luz Slauter, Env Supvr
Antero Midstream LLC
1615 Wynkoop St
Denver, CO 80202

Physical Site Location: County Route 26 (Long Run Road), West Union

Please be advised that this e-mail constitutes approval and serves as Modification No. 4 of your existing General Permit Registration No. WVR310451, dated the 29th day of April, 2015.

After review of your existing General Permit Registration and Permit Modification Application No. WVR310451-D, the subject general permit registration is hereby modified to add approximately 4.1 miles of 24 and 20inch diameter pipeline called the Yvonne to Middle Pipeline. The disturbed acres for the project have increased from 274.84 to 324.74 acres, an increase of 49.9 acres.

All other terms and conditions of the subject registration shall remain in effect and unchanged.

MAR 20 12 12:07 PM

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.

Scott G. Mandirola, Director
WV DEP-Division of Water & Waste Mgt.
601 57th St. SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0496



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

February 2, 2017

Mr. Justin McKissick
Rettew Associates, Inc.
One Robinson Plaza, Suite 200
Pittsburg, Pennsylvania 15205

and

Ms. Christine Miller Cruiss
RETTEW Associates, Inc.
3020 Columbia Avenue
Lancaster, Pennsylvania 17603

RE: Yvonne to Middle Pipeline
Doddridge County, West Virginia
RETTEW Project No.: 095452316
FR#: 17-262-DO

Dear Mr. McKissick and Ms. Cruiss:

We have reviewed the technical reports that were prepared by Rettew and submitted for the above-referenced project. As required by Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to the submitted information, Antero Water, LLC proposes to construct a 4.1-mile buried waterline between the existing Yvonne Well Pad and the existing Middle Well Pad and a 2.4-mile buried gas pipeline between the Yvonne Well Pad and the existing West End Connector Pipeline. The proposed project is located on terrain located north of Crystal Lake in Doddridge County, WV. It is our understanding that the proposed project will require a permit from the US Army Corps of Engineers.

Archaeological Resources:

We have reviewed the abbreviated technical report documenting the Phase I archaeological survey that was conducted for the proposed pipeline project. According to the report, Antero defined the Area of Potential Effect (APE) to consist of the proposed project's entire limits of disturbance (LOD), which totals 49.89 acres and includes the proposed corridors for the waterline, pipeline and access roads as well as any additional work spaces needed. Systematic archaeological survey of the APE included pedestrian reconnaissance and shovel probe excavation. Approximately 6.64 acres of the APE were previously surveyed for a separate project. That portion of the APE was not reexamined during the current field effort.

February 2, 2017
Mr. McKissick and Ms. Cruiss
FR# 17-262-DO
Page 2

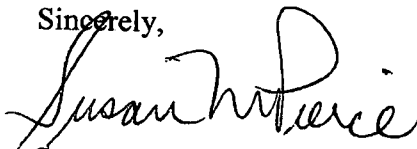
The report satisfactorily addresses our concerns regarding the presence of cultural resources within the proposed project area. Approximately 5.13 acres of the proposed APE were determined to have a moderate to high archaeological potential. The remainder of the APE was observed to consist of steep terrain, severely eroded ridge tops and areas of previous disturbance. Stream crossings were also previously disturbed or bordered by steep terrain. A total of 82 shovel probes were excavated. No archaeological resources were identified. We concur with the report's recommendation that no further archaeological investigations are necessary. We also concur that the proposed project will have no effect on archaeological historic properties.

Architectural Resources:

We have reviewed the submitted information, and while there are no built resources within the APE for direct effects, we approve of the use of 0.5-mile buffer for the APE for potential indirect effects caused by tree cuts required for the proposed project. We agree that additional survey would be required to determine the eligibility of the Wayne C. Ravenscroft Parcel, Clarence L. and Pauline Dye Parcel, and Larry Williams Parcel for the National Register of Historic Places. We also agree that the remaining built resources included in this survey are *not eligible* for the National Register. We concur with the recommendation that the proposed project will have *no effect* on the three properties identified as potentially eligible for the National Register because intervening topography and vegetation will block any potential views from these resources. No further consultation is necessary regarding architectural resources; however, we ask that you contact our office if your project should change.

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, or Benjamin M. Riggle, Structural Historian, at (304) 558-0240.*

Sincerely,



Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/LLD/BMR



United States Department of the Interior

FISH AND WILDLIFE SERVICE

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



February 1, 2017

Wyatt Webster
Antero Resources Corporation
1615 Wynkoop Street
Denver, Colorado 80202

Re: Antero Resources Corporation, Yvonne to Middle Pipeline Project, Doddridge County, West Virginia (FWS File # 2017-I-0227)

Dear Mr. Webster:

This responds to your request of January 13, 2017, for information regarding the potential occurrence of federally listed threatened and endangered species and their designated critical habitats. Antero Resources Corporation (Antero) proposes to install a buried waterline and gasline in Doddridge County, West Virginia. Antero proposes to clear approximately 20 forested acres for project construction and operation. These comments are provided pursuant to the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) (ESA).

The U.S. Fish and Wildlife Service (Service) has determined that three federally endangered species and one threatened species are known to occur within the area, and may be affected by the construction and operation of the project. They are the endangered Indiana bat (*Myotis sodalis*), snuffbox mussel (*Epioblasma triquetra*), clubshell mussel (*Pleurobema clava*), and the threatened northern long-eared bat (*Myotis septentrionalis*) (NLEB).

Federally Listed Bats

The Service has received your Indiana Bat Conservation Plan dated January 13, 2017. The following comments and recommendations serve as technical assistance towards fulfilling the requirements for consultation under section 7 of the ESA.

This plan was developed because you have chosen to assume that the federally listed Indiana bat is present within your project area. Habitat assessments were conducted within the proposed project area in November 2016. The results of the habitat assessment for the proposed project are as follows:

1. An estimated 20 acres of forest would be cleared for the project, which leaves an estimated 1,015.1 acres or 74.82 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 1,356.8.

2. One potential bat roost tree was identified within the project area and will be avoided during project construction.
3. No portals or caves were observed within the project area.

In the Indiana Bat Conservation Plan, the project proponent stated their commitment to the avoidance, minimization, and conservation measures listed on the attached summary sheet.

These measures are designed to address the potential direct and indirect effects that may occur as a result of the project, and will ensure that no Indiana bats will be directly killed by the removal of trees, and that roosting and foraging habitat will remain within the project area after project construction. Based on the commitment to implement these measures, the Service does not anticipate that this project is likely to adversely affect the Indiana bat.

The Service has determined that the NLEB is within the range of the proposed project, and may be affected by the proposed construction and operation of this project. Any take of NLEB occurring in conjunction with these activities that complies with the conservation measures (as outlined in the 4(d) rule), as necessary, is exempted from section 9 prohibitions by the 4(d) rule and does not require site specific incidental take authorization. Note that the 4(d) rule does not exempt take that may occur as a result of adverse effects to hibernacula and that no conservation measures are required as part of the 4(d) rule unless the proposed project (1) involves tree removal within 0.25 miles of known NLEB hibernacula; or (2) cuts or destroys known, occupied maternity roost trees or any other trees within a 150-foot radius around known, occupied maternity tree during the pup season (June 1 to July 31). This proposed project is not located within any of these radii around known hibernacula or roost trees and will not affect any known NLEB hibernacula, therefore any take of NLEB associated with this project is exempted under the 4(d) rule and no conservation measures are required.

Freshwater Mussels

The project occurs within a ¼ mile of Middle Island Creek, which provides habitat for snuffbox and clubshell mussels, which are listed as endangered under the ESA. Freshwater mussels 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 and the continuing degradation of current populations are 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 affect the species also include reduction or elimination of fish hosts.

Freshwater mussels play a key role in the health of aquatic environments by helping to maintain water quality, cycle nutrients, stabilize substrates, remove suspended sediments, and create habitat complexity (Anderson and Kreeger, 2012). Mussels remove suspended particulates from water by filter-feeding, which involves straining water over gills to remove microscopic food

Mr. Wyatt Webster
February 1, 2017

3

particles. Filter-feeding makes mussels very sensitive to excessive sedimentation caused by runoff from streambank and upland activities. Excessive sedimentation into a stream reduces suitable habitat for mussels and can smother them, causing death. Excessive suspended sediments can also impair feeding processes of mussels, leading to acute short-term or chronic long-term stress. Both excessive sedimentation and excessive suspended sediments can lead to reduced populations of mussels and therefore reduced benefits to the ecosystem (Anderson and Kreeger, 2010; Box and Mossa, 1999; Ellis, 1931; Ellis, 1936; Houp, 1993).

Due to the proximity of the project to Middle Island Creek, the project could cause increased sedimentation that could adversely affect mussels. In correspondence dated January 13, 2017, Antero stated their commitment to the erosion and sedimentation best management practices listed on the attached summary sheet. These best management practices will help minimize adverse effects of sedimentation and erosion to waterways that provide habitat to federally listed mussels near the action area. In addition, the project proponent will comply with the requirements set forth in the West Virginia Department of Environmental Protection's 2006 Best Management Protection Manual and the 2012 Erosion and Sediment Control Field Oil and Gas Manual.

Conclusion

This letter provides technical assistance only and does not serve as a completed section 7 consultation document. If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing or any project construction activities on any portion of the parcel should occur until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. Section 7 consultation is not complete until the federal action agency submits a determination of effects to this office, the Service concurs with the federal action agency's determination, and the federal action agency agrees to incorporate all the proposed conservation measures as mandatory conditions for any permit decision rendered for this project. All measures must be implemented as proposed. If there is no federal nexus associated with this project, then no further coordination with this office is required.

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 Tiernan Lennon of my staff at (304) 636-6586, Ext. 12, or at the letterhead address.

Sincerely,



John E. Schmidt
Field Supervisor

Literature Cited

- Anderson, R. M. and D. A. Kreeger. 2010. Potential for impairment of freshwater mussel populations in DRBC special protection waters as a consequence of natural gas exploratory well development. Unpublished report prepared for U.S. Fish and Wildlife Service and the Partnership for the Delaware Estuary. State College, Pennsylvania.
- Box, J. M. and J. Mossa. 1999. Sediment, land use, and freshwater mussels: prospects and problems. *Journal of the North American Benthological Society*. 18:99-117.
- Ellis, M. M.. 1931. Some factors affecting the replacement of the commercial fresh-water mussels. U.S. Department of Commerce Bureau of Fisheries. *Fishery Circular*. 7:1-10.
- Ellis, M. M.. 1936. Erosion silt as a factor in aquatic environments. *Ecology*. 17:29-42.
- Houp, R. E.. 1993. Observations on long-term effects of sedimentation on freshwater mussels (*Molusca: Unionidae*) in the North Fork of Red River, Kentucky. *Transactions of the Kentucky Academy of Science*. 54:93-97.

Avoidance and Minimization Measures to be Applied on Project

- ✓ Seasonal tree clearing (all trees greater than 5" DBH) REQUIRED
- ✓ Avoid cutting potential roost trees
- Avoid high quality foraging areas
- ✓ Minimize limits of disturbance (narrowed LOD or ROW)
- ✓ Minimize impacts (clearing) around suitable swarming and summer habitat and wetland/riparian zones
- 50-foot or greater forested buffer left along both sides of streams
- ✓ Collocate project features with previously disturbed or cleared areas
- Phase tree clearing over multiple years
- Reforest disturbed areas
- Restore or enhanced riparian/wetland areas
- ✓ Strong erosion and sedimentation best management practices
- Suitable habitat acreage permanently preserved within or adjacent to the project site
- ✓ Pollution control plan in place

Conservation Measures to be Applied on Project

- Girdling trees on a 1:1 ratio for each potential roost tree that is lost during project development
- Erecting artificial roosting structures on a 1:1 ratio for each potential primary roost tree that is lost during project development (a 2-year minimum monitoring plan of artificial structures)
- Erecting artificial bark, bat boxes, or other artificial roosting structures (a 2-year minimum monitoring plan of artificial structures)
- Preservation of suitable Indiana bat habitat off-site
- Creation of watering areas, wetlands, or ponds

Erosion and Sedimentation Best Management Practice

- ✓ Compost filter sock
- ✓ Super silt fence/belted silt retention fence
- ✓ Rolled erosion control product streambank stabilization
- ✓ Seeding and mulching of disturbed areas for stabilization



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

Robert A. Fala
Director

January 18, 2017

Division of Natural Resources
RIGHT OF ENTRY

Re: **LS-17-VI/09-271**

Antero Water LLC
Wyatt Webster
c/o RETTEW Associates, Inc.
Attention: Tom Eby
3020 Columbia Ave.
Lancaster, PA 17603-

Dear Mr. Webster:

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 timber mat crossing (The Yvonne to Middle Pipeline) at two (2) separate locations along Nutter Fork and an unnamed tributary of Nutter Fork near West Union 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.

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 \$200.00 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

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

1. Name of Applicant: <u>Antero Water LLC (Attn: Wyatt Webster)</u> (Landowner)
2. Date: <u>January 6, 2017</u>
3. Complete mailing address of applicant: <u>1615 Wynkoop Street, Denver, CO 80202</u> Telephone Number: <u>(303) 357-6734</u> Fax Number: _____ E-Mail Address: <u>wwebster@anteroresources.com</u>
4. Name, address, telephone number, and title of applicant's authorized agent (i.e. contractor employed by landowner): <u>Tom Eby, RETTEW Associates, Inc., 3020 Columbia Ave, Lancaster, PA 17603</u>
Please <input checked="" type="checkbox"/> if you want the approval sent to the agent <input checked="" type="checkbox"/>
5. Describe the proposed activity, its purpose and intended use after completion, type of equipment to be used in the stream, amount of material to be dredged (if any), plan for disposing of dredged materials, length of stream/bank to be worked or type and size of structure to be placed in the stream (i.e. length and width of bridge, diameter and length of culvert). One copy of a map (topographical or detailed, hand-drawn) showing exact location of the work site (enabling Officials to locate site) must accompany this application, and all other information that may be important to this application. The Yvonne to Middle Pipeline project includes the construction of a buried waterline and gas pipeline to facilitate oil and gas transfer between well pads and gathering lines for Antero. Nutter Fork and two unnamed tributaries (UNT) to Nutter Fork are proposed to be open-cut for placement of the pipelines. Equipment to be used during construction of the project would include excavators and heavy trucks. There will be no dredging associated with the project and any affected resources would be restored to existing grade once construction is complete. Please refer to the attached Project Location Map for project location and specific stream crossing locations.

LS-1721/09-271

LS#12

(if additional space is required, continue on a separate sheet)

6. Please the proposed use:
 Private: (person use) Public: _____ (Government Agency) Commercial: _____ (Business)

7. Location where proposed activity exists or will occur:
Nutter Fork, two UNTs to Nutter Fork
 Name of Water Way (if unnamed or unknown tributary, provide the stream that it flows into)
Doddridge West Union West Union, WV
 County District (taxable) Closest City or Town

8. Date activity is proposed to commence: Spring 2017
 Date activity is expected to be complete: Summer 2017

9. Is any portion of the activity for which authorization is sought now complete? Yes _____ No
 (If the answer is "Yes", give reasons in Section 5 including month and year the activity was completed)

10. Below is a list of entities that may require permits. Please list all approvals or certifications required by other Government Agencies for the above-described activity:

Issuing agency: Corps of Engineers - (304) 399-5710 Type of approval: NWP-12 PCN
 (412) 395-7170
 (412) 395-7157
 Identification No.: _____ Date of approval: TBD

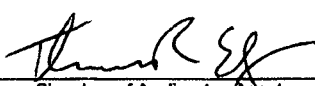
Issuing agency: County Commission Type of approval: Floodplain Permit
 Flood Plain Coordinator
 Identification No.: _____ Date of approval: TBD

Issuing agency: City Government Type of approval: _____
 (if in City Limits the County isn't needed)
 Identification No.: _____ Date of approval: _____

11. Has any agency denied approval for the activity described herein? Yes _____ No
 (if "Yes", explain in Section 5 and/or attach a copy of the denial)

12. If activity is a pipeline construction (that is, gas, water, or sewer) give:
 Material pipeline is made of: waterline-HDPE; gasline-steel
 Size of Pipeline: waterline-24"; gasline-20"
 Maximum pressure of the pipeline: waterline-250 psi; gasline-1,440 psi
 Please provide the appropriate line number and if a Gathering or Well Line provide the A.P.I. Well Number:
 Transmission: _____ Distribution: _____ Gathering: _____ Well Line: _____ A.P.I Well Number: _____

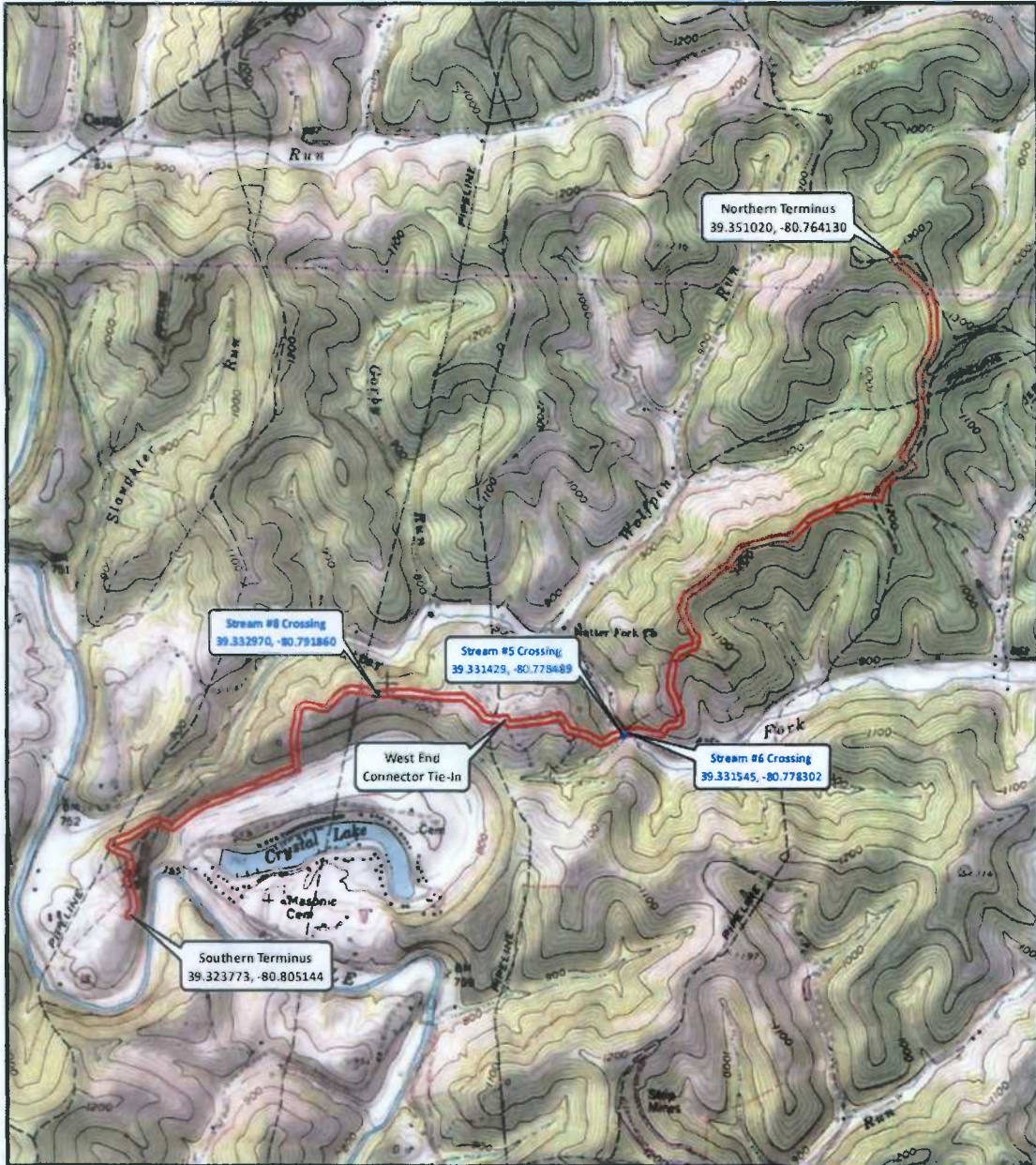
13. Application is hereby made for authorization to conduct the activities described herein. I certify that I am familiar with the information in this application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.



 Signature of Applicant or Agent

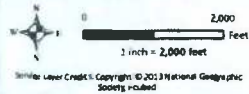
Office of Land and Streams
 Building 74, Room 200
 324 Fourth Avenue
 South Charleston, WV 25303
 Phone Number 304-558-3225
 Fax Number 304-558-6048

OLS Form 1 (08/07)



- Crossing Location
- ▭ Limits of Disturbance (49.89 Acres)

Antero Water LLC
Yvonne to Middle Pipeline
 Figure 1 - Project Location Map
 Project No. 095452316



Doddridge County, WV
 West Union, WV USGS 7.5' Topographic Quadrangle
 1/6/2017

W:\GIS\Projects\095452316\MapDocs\Stream Activity\Permit\095452316_Yvonne_to_Middle_Pipeline_Fig1_TopLocMap_0113.mxd

**ANTERO WATER LLC
YVONNE TO MIDDLE PIPELINE
CROSSING INFORMATION**

The Antero Yvonne to Middle Pipeline project includes the installation of a buried waterline extending from the existing Yvonne Well Pad at approximately 39.351020, -80.764130 (NAD83) to the existing Middle Well Pad at approximately 39.323773, -80.805144 (NAD83), as well as a buried gas pipeline extending from the Yvonne Well Pad to the West End Connector. The route will extend for approximately 4.1 miles; only existing access roads will be used. The project is located in the West Union Tax District, Doddridge County, WV as shown on the attached USGS Topographic map. The route generally runs northeast to southwest along hillslopes and ridgetops and crosses three streams.

Table 1: Summary of Stream Crossing Information

Stream ID #	Resource Type	Crossing Type	Crossing Details	Latitude	Longitude	Stream Meander Length in LOD (feet)	LOD Width (feet)	Acres in LOD
Stream #5	Stream	Open Cut	1 waterline; 1 gasline; 1 timbermat bridge	39.331429	-80.778489	102	100	0.010
Stream #6	Stream	Open Cut	1 waterline; 1 gasline; 1 existing bridge	39.331545	-80.778302	130	100	0.060
Stream #8	Stream	Open Cut	1 waterline; 1 timbermat bridge	39.332970	-80.791860	103	100	0.007

West Virginia Division of Natural Resources

Invoice

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

Invoice#: 26785

Comp. ID#: 6332

Bill Date: 01/19/2017

In
Acct
With

Antero Water
1615 Wynkoop Street
Denver, CO 80202

<u>AGREEMENT</u>	<u>INVOICE PERIOD</u>	<u>AMOUNT PAID</u>	<u>AMOUNT DUE</u>
<u>AGREEMENT DATED 1/18/2017 P-17-VI/09-270</u> Waterlines and a gas pipeline (The Yvonne to Middle Pipeline) along Nutter Fork and unnamed tribs of same, Doddridge Co., WV	For 1/18/2017 to 1/18/2027 Land and Streams/DNR	\$0.00	\$1525.00
<u>AGREEMENT DATED 1/18/2017 LS-17-VI/09-271</u> Timber mat crossing (The Yvonne to Middle Pipeline) along Nutter Fork and an unnamed trib of same, Doddridge Co., WV	For 1/18/2017 to 1/18/2018 Land and Streams/DNR	\$0.00	\$200.00
TOTAL INVOICE:			\$1725.00
NUMBER OF AGREEMENTS:			2

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

Brian Eid (304) 558-3225
brian.n.eid@wv.gov



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
WEST VIRGINIA DIVISION OF NATURAL	26872	Jan-24-2017	103499	\$1,725.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
26785	01/19/17	AGREEMENTS P-17-VI/09-270 FOR 1/18/	1,725.00	0.00	1,725.00



TOTAL INVOICES PAID ==> 1,725.00 0.00 1,725.00

DETACH AND RETAIN FOR TAX PURPOSES

THIS CHECK HAS A COLORED FACE ON WHITE STOCK AND AN ARTIFICIAL WATERMARK ON THE BACK.



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

WELLS FARGO
DENVER, CO

Check No. 103499

11-24
1210

810 - AP ACCT WELLS FARGO

Void After 90 Days

CHECK NUMBER	DATE	PAY EXACTLY
103499	Jan-24-2017	\$1,725.00

PAY EXACTLY \$1,725dols00cts

One Thousand Seven Hundred Twenty Five Dollars and Zero Cents

TO
THE
ORDER
OF

WEST VIRGINIA DIVISION OF NATURAL
RESOURCES - OFFICE OF LAND AND STREAMS~324 FOURTH
AVENUE~ROOM 200
SOUTH CHARLESTON, WV 25303

⑈ 103499⑈ ⑆ 121000248⑆ 4688288018⑈



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

Robert A. Fala
Director

January 18, 2017

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY

Re: P-17-VI/09-270

Antero Water LLC
Wyatt Webster
c/o RETTEW Associates, Inc.
Attention: Tom Eby
3020 Columbia Ave.
Lancaster, PA 17603-

Dear Mr. Webster:

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-four inch (24") waterline and a twenty inch (20") gas pipeline at two (2) separate locations and a twenty-four inch (24") waterline at one (1) separate location (The Yvonne to Middle Pipeline) along Nutter Fork and unnamed tributaries of Nutter Fork, West Union District in Doddridge 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 1st through June 30th. Trout spawning season runs from October 1st through April 30th.
- 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 1st through June 30th. This eliminates the need for spawning season restrictions.

Antero Water LLC
P-17-VI/09-270
Page 2
January 18, 2017

- 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 \$1525.00 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,

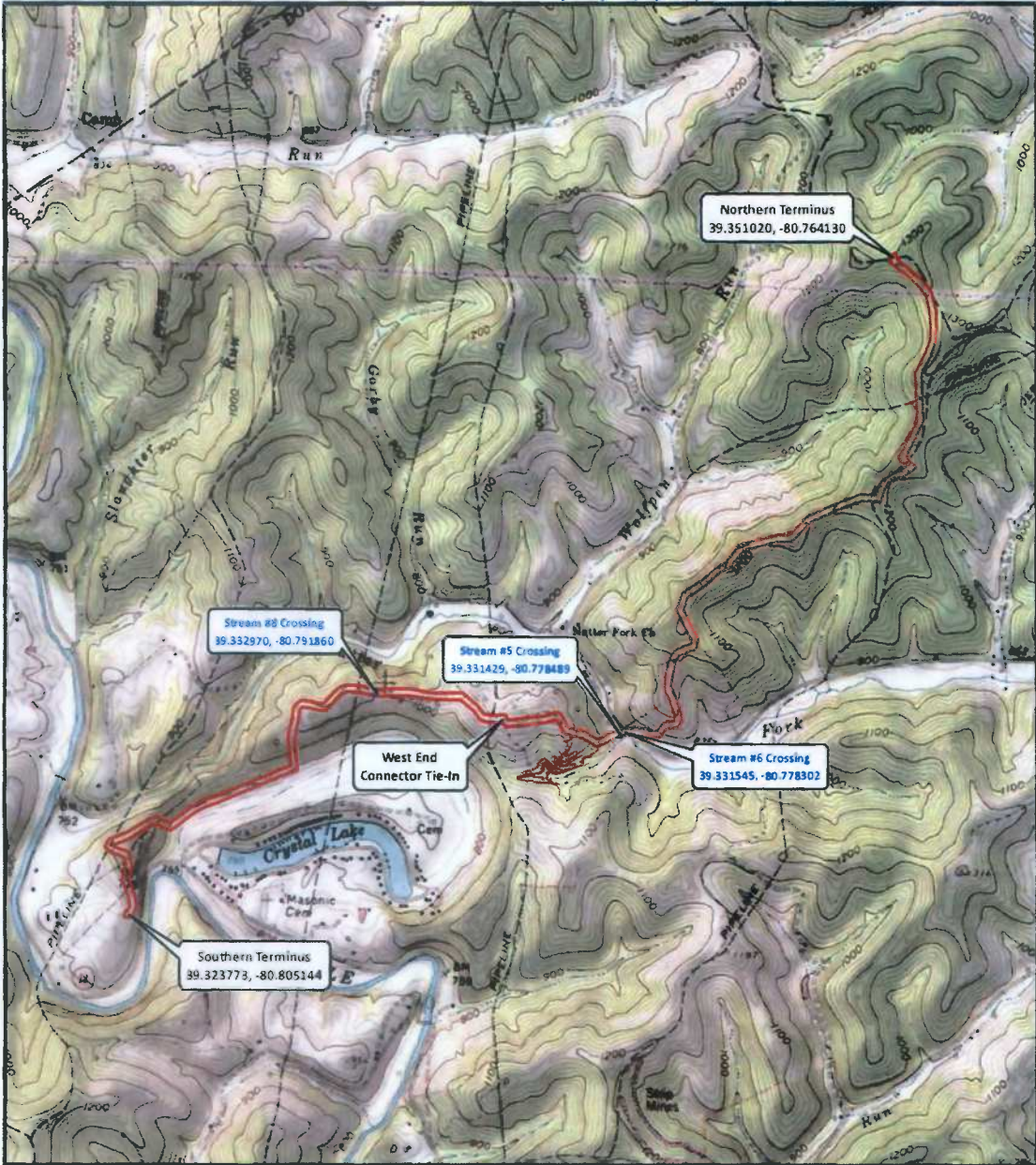


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cb

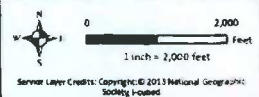
attachment

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



- Crossing Location
- ▭ Limits of Disturbance (49.89 Acres)

Antero Water LLC
Yvonne to Middle Pipeline
 Figure 1 - Project Location Map
 Project No. 095452316



Doddridge County, WV
 West Union, WV USGS 7.5' Topographic Quadrangle
 1/6/2017

W:\GIS_Project\095452316\MapDocs\StreamActivity\Permit\085452316_Yvonne_to_Middle_Pipeline_Fig1_TopocorMap_0611.mxd

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

1. Name of Applicant: <u>Antero Water LLC (Attn: Wyatt Webster)</u> (Landowner)
2. Date: <u>January 6, 2017</u>
3. Complete mailing address of applicant: <u>1615 Wynkoop Street, Denver, CO 80202</u> Telephone Number: <u>(303) 357-6734</u> Fax Number: _____ E-Mail Address: <u>webster@anteroresources.com</u>
4. Name, address, telephone number, and title of applicant's authorized agent (i.e. contractor employed by landowner): <u>Tom Eby, RETTEW Associates, Inc., 3020 Columbia Ave, Lancaster, PA 17603</u>
Please <input checked="" type="checkbox"/> if you want the approval sent to the agent <input checked="" type="checkbox"/>
5. Describe the proposed activity, its purpose and intended use after completion, type of equipment to be used in the stream, amount of material to be dredged (if any), plan for disposing of dredged materials, length of stream/bank to be worked or type and size of structure to be placed in the stream (i.e. length and width of bridge, diameter and length of culvert). One copy of a map (topographical or detailed, hand-drawn) showing exact location of the work site (enabling Officials to locate site) must accompany this application, and all other information that may be important to this application. The Yvonne to Middle Pipeline project includes the construction of a buried waterline and gas pipeline to facilitate oil and gas transfer between well pads and gathering lines for Antero. Nutter Fork and two unnamed tributaries (UNT) to Nutter Fork are proposed to be open-cut for placement of the pipelines. Equipment to be used during construction of the project would include excavators and heavy trucks. There will be no dredging associated with the project and any affected resources would be restored to existing grade once construction is complete. Please refer to the attached Project Location Map for project location and specific stream crossing locations.
<i>P-1741/09-270</i>
<i>LSM</i>
(if additional space is required, continue on a separate sheet)

6. Please the proposed use: Private: (person use) Public: _____ Commercial:
(Government Agency) (Business)

7. Location where proposed activity exists or will occur:
Nutter Fork, two UNTs to Nutter Fork
Name of Water Way (if unnamed or unknown tributary, provide the stream that it flows into)
Doddridge West Union West Union, WV
County District (taxable) Closest City or Town

8. Date activity is proposed to commence: Spring 2017
Date activity is expected to be complete: Summer 2017

9. Is any portion of the activity for which authorization is sought now complete? Yes _____ No
(if the answer is "Yes", give reasons in Section 5 including month and year the activity was completed)

10. Below is a list of entities that may require permits. Please list all approvals or certifications required by other Government Agencies for the above-described activity:

Issuing agency: Corps of Engineers - (304) 399-5710 Type of approval: NWP-12 PCN
(412) 395-7170
(412) 395-7157

Identification No.: _____ Date of approval: TBD

Issuing agency: County Commission Type of approval: Floodplain Permit
Flood Plain Coordinator

Identification No.: _____ Date of approval: TBD

Issuing agency: City Government Type of approval: _____
(if in City Limits the County isn't needed)

Identification No.: _____ Date of approval: _____

11. Has any agency denied approval for the activity described herein? Yes _____ No
(if "Yes", explain in Section 5 and/or attach a copy of the denial)

12: If activity is a pipeline construction (that is, gas, water, or sewer) give:
Material pipeline is made of: waterline-HDPE; gasline-steel


Size of Pipeline: waterline-24"; gasline-20"

Maximum pressure of the pipeline: waterline-250 psi; gasline-1,440 psi

Please provide the appropriate line number and if a Gathering or Well Line provide the A.P.I. Well Number:

Transmission: _____ Distribution: _____ Gathering: _____ Well Line: _____ A.P.I Well Number: _____

13: Application is hereby made for authorization to conduct the activities described herein. I certify that I am familiar with the information in this application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.



Signature of Applicant or Agent

Office of Land and Streams
Building 74, Room 200
324 Fourth Avenue
South Charleston, WV 25303
Phone Number 304-558-3225
Fax Number 304-558-6048

OLS Form 1 (08/07)

**ANTERO WATER LLC
YVONNE TO MIDDLE PIPELINE
CROSSING INFORMATION**

The Antero Yvonne to Middle Pipeline project includes the installation of a buried waterline extending from the existing Yvonne Well Pad at approximately 39.351020, -80.764130 (NAD83) to the existing Middle Well Pad at approximately 39.323773, -80.805144 (NAD83), as well as a buried gas pipeline extending from the Yvonne Well Pad to the West End Connector. The route will extend for approximately 4.1 miles; only existing access roads will be used. The project is located in the West Union Tax District, Doddridge County, WV as shown on the attached USGS Topographic map. The route generally runs northeast to southwest along hillslopes and ridgetops and crosses three streams.

Table 1: Summary of Stream Crossing Information

Stream ID #	Resource Type	Crossing Type	Crossing Details	Latitude	Longitude	Stream Meander Length in LOD (feet)	LOD Width (feet)	Acres in LOD
Stream #5	Stream	Open Cut	1 waterline; 1 gasline; 1 timbermat bridge	39.331429	-80.778489	102	100	0.010
Stream #6	Stream	Open Cut	1 waterline; 1 gasline; 1 existing bridge	39.331545	-80.778302	130	100	0.060
Stream #8	Stream	Open Cut	1 waterline; 1 timbermat bridge	39.332970	-80.791860	103	100	0.007

West Virginia Division of Natural Resources

Invoice

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

Invoice#: 26785

Comp. ID#: 6332

Bill Date: 01/19/2017

In
Acct
With

Antero Water
1615 Wynkoop Street
Denver, CO 80202

<u>AGREEMENT</u>	<u>INVOICE PERIOD</u>	<u>AMOUNT PAID</u>	<u>AMOUNT DUE</u>
<u>AGREEMENT DATED 1/18/2017 P-17-VI/09-270</u> Waterlines and a gas pipeline (The Yvonne to Middle Pipeline) along Nutter Fork and unnamed tribs of same, Doddridge Co., WV	For 1/18/2017 to 1/18/2027 Land and Streams/DNR	\$0.00	\$1525.00
<u>AGREEMENT DATED 1/18/2017 LS-17-VI/09-271</u> Timber mat crossing (The Yvonne to Middle Pipeline) along Nutter Fork and an unnamed trib of same, Doddridge Co., WV	For 1/18/2017 to 1/18/2018 Land and Streams/DNR	\$0.00	\$200.00
		TOTAL INVOICE:	\$1725.00
		NUMBER OF AGREEMENTS:	2

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

Brian Eid (304) 558-3225
brian.n.eid@wv.gov



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
WEST VIRGINIA DIVISION OF NATURAL	26872	Jan-24-2017	103499	\$1,725.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
26785	01/19/17	AGREEMENTS P-17-VI/09-270 FOR 1/18/	1,725.00	0.00	1,725.00



TOTAL INVOICES PAID ==> 1,725.00 0.00 1,725.00

DETACH AND RETAIN FOR TAX PURPOSES

THIS CHECK HAS A COLORED FACE ON WHITE STOCK AND AN ARTIFICIAL WATERMARK ON THE BACK.



ANTERO WATER
1615 WYNKOOP STREET
DENVER, COLORADO 80202

WELLS FARGO
DENVER, CO

Check No. 103499

11-24
1210

810 - AP ACCT WELLS FARGO

Void After 90 Days

CHECK NUMBER	DATE	PAY EXACTLY
103499	Jan-24-2017	\$1,725.00

PAY EXACTLY \$1,725dols00cts

One Thousand Seven Hundred Twenty Five Dollars and Zero Cents

TO
THE
ORDER
OF

WEST VIRGINIA DIVISION OF NATURAL
RESOURCES - OFFICE OF LAND AND STREAMS-324 FOURTH
AVENUE~ROOM 200
SOUTH CHARLESTON, WV 25303

⑈ 103499⑈ ⑆ 121000248⑆ 4688288018⑈

From: DEP NPDESEP
To: Luz Slauter; pfish@rettew.com; DEP NPDESEP
Cc: Hendley, John H; McGee, James L; Cochran, Joseph W
Subject: Approval for WVR310785, Heaster Water Line Pipeline Project, Tyler County, Acres (50.2)
Date: Wednesday, February 01, 2017 7:04:08 AM
Attachments: WVR310785 Approval Letter.pdf

Dear Permittee:

The Division of Water and Waste Management has reviewed your General Permit Site Registration Application for the coverage of your activity. Based on the information you submitted on this registration form, you are now authorized to operate under WV Water Pollution Control Permit No. WV0116815. Please find attached your permit approval with your registration number assigned to your facility.

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.

Scott G. Mandirola, Director
WV DEP-Division of Water & Waste Mgt.
601 57th St. SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0496



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

REPLY TO
ATTENTION OF

February 24, 2017

Regulatory Division
North Branch
LRH-2017-00072-OHR

NATIONWIDE PERMIT NO. 12 VERIFICATION

Mr. Wyatt Webster
Antero Resources Corporation
1615 Wynkoop Corporation
Denver, Colorado 80202

Dear Mr. Webster:

I refer to your pre-construction notification (PCN) received in this office on January 17, 2017 regarding the Yvonne to Middle Pipeline Project. The proposed northern terminus originates at coordinates 39.351020N° -80.764130°W and terminates at the southern terminus located at coordinates 39.323773°N -80.805144°W. On-site waters flow into an unnamed tributary of Nutter Fork, which is an indirect tributary of the Ohio River, a traditional navigable water of the United States. The project site is located in Doddridge County, West Virginia. The PCN has been assigned the following number: LRH-2017-00072-OHR. Please reference this number on all future correspondence related to this project.

The United States Army Corps of Engineers' (Corps) authority to regulate waters of the United States 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 (Section 404) 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 (Section 10) requires that a Department of the Army permit be obtained for any work in, on, over or under a navigable water of the United States.

The proposed project, as described in the submitted information, has been reviewed in accordance with Section 404 and Section 10. 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. However, this project will include the discharge of dredged or fill material into the waters of the U.S. subject to the requirements of Section 404.

In the submitted PCN materials received in this office on January 17 2017, and with additional information provided on February 10 2017, you have requested a Department of the Army authorization to temporarily discharge approximately 54.7 cubic yards of dredged and/or fill material into 335 linear feet (0.077 acre) of one (1) perennial stream (Nutter Fork), one (1) intermittent stream (UNT to Nutter Fork) and one (1) ephemeral stream (UNT to Nutter Fork) in association with the Yvonne to Middle pipeline Project. All temporarily affected streams will be

restored to pre-existing conditions following the construction activities. Excess material will be removed to upland areas, in a manner to prevent its reentry into waters of the United States, immediately following the construction activities. All work will be conducted in accordance with drawings and plans, as submitted with the PCN materials dated January 13, 2017 and February 10, 2017.

Based on your description of the proposed work, and other information available to us, it has been determined the regulated activities associated with the proposed Yvonne to Middle pipeline Project meets the criteria for 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 enclosed special conditions, and the Section 401 Water Quality Certification issued by the West Virginia Department of Environmental Protection. Please be aware this NWP verification does not obviate the requirement to obtain any state or local assent required by law for the activities.

This verification is valid until the expiration date of the NWPs, unless the NWP authorization is modified, suspended, or revoked. The verification will remain valid if the NWP authorization is reissued without modification or the activity complies with any subsequent modification of the NWP authorization. All of the existing NWPs are scheduled to be modified, reissued, or revoked on March 18, 2017. Prior to this date, it is not necessary to contact this office for re-verification of your project unless the plans for the proposed activity are modified. Furthermore, if you commence or under contract to commence this activity before March 18, 2017, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Upon completion of the work, the enclosed certification must be signed and returned to this office. If you have any questions concerning the above, please contact Mr. Zack Abbott of the North Branch at 304-399-5867, by mail at the above address, or by email at: jonathan.z.abbott@usace.army.mil.

Sincerely,

Teresa D. Spagna
Chief, North Branch

Enclosures

Special Conditions for Nationwide Permit 12 Verification
Yvonne to Middle Pipeline Project
LRH-2017-00072-OHR
1 of 2

1. All work will be conducted in accordance with the final plans provided by Antero Resources Corporation in the Pre-Construction Notification (PCN) dated January 13, 2017.
2. Enclosed is a copy of Nationwide Permit 12, which will be kept at the site during construction. A copy of the nationwide permit verification, special conditions, and the submitted construction plans must be kept at the site during construction. The permittee will supply a copy of these documents to their project engineer responsible for construction activities.
3. Construction activities will be performed during low flow conditions to the greatest extent practicable. Additionally, appropriate site specific best management practices for sediment and erosion control will be fully implemented during construction activities at the site.
4. No area for which grading has been completed will be unseeded or un-mulched for longer than 14 days. All disturbed areas will be seeded and/or re-vegetated with native species and approved seed mixes (where practicable) after completion of construction activities for stabilization and to help preclude the establishment of non-native invasive species.
5. Should new information regarding the scope and/or impacts of the project become available that was not submitted to this office during our review of the proposal, the permittee will submit written information concerning proposed modification(s) to this office for review and evaluation, as soon as practicable.
6. In the event any previously unknown historic or archaeological sites or human remains are uncovered while accomplishing the activity authorized by this nationwide permit authorization, the permittee must cease all work in waters of the United States immediately and contact local, state and county law enforcement offices (only contact law enforcement on findings of human remains), the Corps at 304-399-5210 and West Virginia Division of Cultural and History Office at 304-558-0220. The Corps will initiate the Federal, state and tribal coordination required to comply with the National Historic Preservation Act and applicable state and local laws and regulations. Federally recognized tribes are afforded a government-to-government status as sovereign nations and consultation is required under Executive Order 13175 and 36 CFR Part 800.

**Special Conditions for Nationwide Permit 12 Verification
Yvonne to Middle Pipeline Project
LRH-2017-00072-OHR
2 of 2**

7. The proposed project lies within the range of the Indiana bat (*Myotis sodalis*), a federally-listed endangered species. Summer habitat for the Indiana bat includes live and/or dead trees with peeling (exfoliating) bark, cracks, or crevices. Indiana bats use cave or mine portals for winter hibernation between 15 November and 31 March. 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. Based on information provided by the applicant and U.S. Fish and Wildlife Services (USFWS), the proposed project is not located within a USFWS terrestrial buffer area. The permittee must abide by measures, including the seasonal tree clearing restrictions, outlined in the proposed Indiana Bat Conservation Plan approved by the USFWS on February 1, 2017.

8. Section 7 obligations under Endangered Species Act must be reconsidered if new information reveals impacts of the project that may affect federally listed species or critical habitat in a manner not previously considered, the proposed project is subsequently modified to include activities which were not considered during Section 7 consultation with the United States Fish and Wildlife Service, or new species are listed or critical habitat designated that might be affected by the subject project.

