

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to ANTERO, and is for the approved commercial and/or industrial development project associated with this permit that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible, and must remain posted during entirety of development.

Permit: #14-200

Date Approved: 05/21/2014

Expires: 05/21/2015

Issued to: ANTERO RESOURCES CORP

**POC: SHAYE MARSHALL
303-357-6412**

**Company Address: 1615 WYNKOOP ST
DENVER CO. 80202**

Project Address: COUNTY RT. 19/TAYLOR DRAIN

Firm: 54017C0100C/54017C0200C

**Lat/Long: 39.272881/-80.873298
39.234034/-80.895810**

Purpose of development: PIPELINE

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

Date: 05/21/2014


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

7013 2250 0001 6914 8797

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

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

OFFICIAL USE

Postage	\$.48	
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.48	

14-200

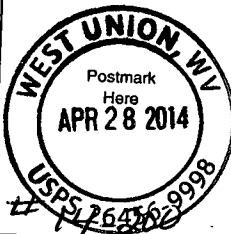
Sent To Dale + Paulette Pierce
 Street, Apt. No., or PO Box No. Rt 1 Box 299
 City, State, ZIP+4 Pennsboro, WV 26415

7013 2250 0001 6914 8803

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

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

OFFICIAL USE

Postage	\$.48	
Certified Fee	3.36	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.48	

14-200

Sent To JL Morris
 Street, Apt. No., or PO Box No. P.O. Box 397
 City, State, ZIP+4 Glennville, WV 26351

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to: #14-200

IL Morris
 P.O. Box 397
 Glenville, WV 26351

2. Article Number
 (Transfer from service label)

7013 2250 0001 6914 8803

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Jackie Swiger

- Agent
 Addressee

B. Received by (Printed Name)

Jackie Swiger

C. Date of Delivery

4-29-14

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to: #14-200
 Dale & Paulette Pierce
 Rt. 1 Box 299
 Pennsboro, WV 26415

2. Article Number
 (Transfer from service label)

7013 2250 0001 6914 8797

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Paulette Pierce Agent
 Addressee

B. Received by (Printed Name)

PAULETTE PIERCE

C. Date of Delivery

4-30-14

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee) Yes

UNITED STATES POSTAL SERVICE

CHARLESTON

WV 250

100 APR 24



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

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

FILED

14 MAY -1 AM 10:49

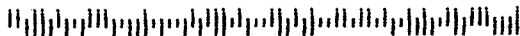
ROGER
BETH
ANY
COUNTY, WV
DODRIDGE

Bob Wriston

Dodridge County FloodPlain MGT

118 East Court St., Suite 102

Wright Union, WV 26456





ANTERO RESOURCES MIDSTREAM
 1625 17th STREET, SUITE 300
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Apr-21-2014	10195	\$1,058.85

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
04-AP-292	SM041714	04/17/14	1,058.85	0.00	1,058.85
TOTAL INVOICES PAID					1,058.85

Doddridge County, West Virginia

RECEIPT NO: 2020

DATE: 2014/04/28

FROM: ANTERO

AMOUNT: \$ 1,058.85

ONE THOUSAND FIFTY EIGHT DOLLARS AND 85 CENTS

**FOR: #14-200 ANTERO-DOTSON-HOLLAND WELL PAD TO
 PRIMM WEST PIPELINE PROJECT**

00000010195 FP-BUILDING PERMITS

020-318

TOTAL: \$1,058.85

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

DETACH AND RETAIN FOR TAX PURPOSES

REFUSED TO PAID!

Doddridge County Sheriff
Flood Plain Ordinance Fund

DATE 4-28-14

DEPOSITS MAY NOT BE AVAILABLE FOR IMMEDIATE WITHDRAWAL

ENDORSE & LIST CHECKS SEPARATELY
OR ATTACH LIST

	DOLLARS	CENTS
CURRENCY		
COIN		
TOTAL CASH		
CHECKS		
1 Receipt #		
2 1095 1058	1058	85
3 2020		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
TOTAL FROM ATTACHED LIST		
PLEASE PRINT HERE TOTAL HERE	1058	85

CHECKS AND OTHER ITEMS ARE RECEIVED FOR DEPOSIT SUBJECT TO THE PROVISIONS OF THE UNIFORM COMMERCIAL CODE OR ANY APPLICABLE COLLECTION AGREEMENT.



TOTAL ITEMS

\$

1058.85

⑆051502175⑆

⑆11964909⑆

42

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



ANTERO RESOURCES MIDSTREAM
1625 17th STREET, SUITE 300
DENVER, COLORADO 80202

WELLS FARGO
DENVER, CO

Check No. 10195

11-24
1210

800 - AP ACCT WELLS FARGO

VOID AFTER 90 DAYS

CHECK NUMBER	DATE	PAY EXACTLY
10195	Apr-21-2014	\$1,058.85

PAY EXACTLY **\$1,058dols85cts**

ONE THOUSAND FIFTY-EIGHT DOLLARS AND 85 CENTS

TO THE ORDER OF

DODDRIDGE COUNTY COMMISSION
BETH A ROGERS, CLERK
118 EAST COURT STREET
ROOM 102
WEST UNION, WV 26456

Beth A Rogers

⑆010195⑆ ⑆121000248⑆

4122616147⑆

Copy



ANTERO RESOURCES MIDSTREAM
 1625 17th STREET, SUITE 300
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Apr-21-2014	10195	\$1,058.85

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
04-AP-292	SM041714	04/17/14	1,058.85	0.00	1,058.85
TOTAL INVOICES PAID					1,058.85

DETACH AND RETAIN FOR TAX PURPOSES

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



ANTERO RESOURCES MIDSTREAM
 1625 17th STREET, SUITE 300
 DENVER, COLORADO 80202

WELLS FARGO
 DENVER, CO

Check No. 10195

11-24
 1210

800 - AP ACCT WELLS FARGO

VOID AFTER 90 DAYS

CHECK NUMBER	DATE	PAY EXACTLY
10195	Apr-21-2014	\$1,058.85

PAY EXACTLY **\$1,058dols85cts**
 ONE THOUSAND FIFTY-EIGHT DOLLARS AND 85 CENTS

TO THE ORDER OF

DODDRIDGE COUNTY COMMISSION
 BETH A ROGERS, CLERK
 118 EAST COURT STREET
 ROOM 102
 WEST UNION, WV 26456

⑈010195⑈ ⑆121000248⑆ 4122616147⑈

Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the 28th day of April, 2014

ANTERO RESOURCES CORPORATION. #14-200

filed an

application for a Floodplain Permit to develop land located at or
about: **SURFACE OWNERS: DALE & PAULETTE PIERCE AND IL MORRIS
GREENWOOD/PENNSBORO AREA OF DOTSON RUN AND CABIN RUN
MAP/PARCEL 1-8-39 & 3-37-1, DEED BOOK 229/356, 255/718.**

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 **May 19th, 2014.**

Delivered to the:

Clerk of the County Court
118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk
Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

TRANSACTION REPORT

P. 01

APR-28-2014 MON 04:31 PM

FOR: DODDRIDGE CO. CLERK

304 873 1840

SEND

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
APR-28	04:30 PM	3048731600	50"	3	FAX TX	OK	988	

TOTAL : 50S PAGES: 3

Legal Advertisement:

Doddridge County

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Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

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

14-200

FILED

2014 APR 22 PM 12: 09

BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV
APR 21, 2014



Antero Resources
1625 17th Street
Denver, Colorado 80202
Office 303.357.7310
Fax 303.357.7315

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

Mr. Wriston:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Dotson Pipeline project. As shown on the enclosed design pages, Antero proposes to trench a 16" steel, gas pipeline. The 3.92 mile pipeline will be buried below the ground surface and will be accessed utilizing existing access roads. Per FIRM Maps 54017C0100C & 54017C0200C, approximately .039 acres will be constructed within the floodplain. Following the pipeline installation, the right of way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevation. Please note: This project is located in both Doddridge and Ritchie Counties. A Floodplain Permit has been approved for the portion located within the floodplain in Ritchie County.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- Bid Sheet
- Surface and Adjacent Land Owner Information
- Project Description
- FIRM Map and Design Pages

If you have any questions please feel free to contact me at (303) 357-6412.

Thank you in advance.

Sincerely,

Shaye Marshall
Permit Representative
Antero Resources Corporation

Enclosures



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

April 16, 2014

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

Re: Doddridge County Floodplain Development Permit Application
Dotson-Holland Well Pad to Primm West Pipeline Project (Dotson Pipeline)
Doddridge and Ritchie Counties, West Virginia
Antero Midstream LLC

Dear Mr. Wellings:

Antero Midstream LLC (Antero) is proposing to install a 16-inch diameter steel, natural gas pipeline near the town of Pennsboro in Doddridge and Ritchie Counties, West Virginia (WV). The northern terminus of the proposed Dotson-Holland Well Pad to Primm West Pipeline (Dotson Pipeline) Project will tie into the Dotson-Holland Well Pad (39.272881°, -80.873298°) and the southern terminus to the Primm West Pipeline (39.234034°, -80.895810°). The proposed 3.92 mile pipeline will be buried below the ground surface and will be accessed utilizing existing access roads. Sections of the proposed project will cross a designated Federal Emergency Management Administration regulated flood zone within Doddridge County according to FIRM Maps #54017C0100C and #54017C0200C.

Directions to the Site: From Pennsboro, WV: Head west on Collins Avenue/County Road 50/22 toward Depot Street. Take the first left onto Eagle Drive. Turn left onto County Road 50/39/West Myles Avenue/Old U.S. 50 West. Turn right onto WV-74 South/Pullman Drive. Turn left onto US-50 East and continue for 4.0 miles. Turn right onto County Route 50/30/Old U.S. 50 West/Sunnyside Road. Make a slight right onto County Route 19/Leason Run. Make a slight left to stay on County Route 19/Leason Run and continue for 2.2 miles. Turn left onto County Route 19/Taylor Drain. The entrance to the access road will be on your right.

Mainline Pipeline Installations

- A. Clearing – During clearing operations, all brush and trees will be felled into the construction work area to prevent off-construction work area damage to trees and structures. All cleared brush will be stacked to the side of the right-of-way, chipped or burned. Timber will be stacked or hauled away based on landowner requests. Stumps will be buried, ground or chipped in place.
- B. Grading – Grading will be kept to the minimum amount necessary and includes installation of erosion control devices (ECDs) such as interceptor diversions, filter devices and equipment crossings of streams to minimize soil loss and eliminate sedimentation risks. Topsoil will be stripped, segregated and stockpiled in agland areas along the edge of right-of-way.
- C. Trenching – Typically, the trench will not remain open for more than 30 days in any one area. Open trench duration of streams and wetlands will be kept to a minimum. Temporary

breakers are installed to reduce water velocity and erosion of the trench bottom. When the trench must remain open longer, appropriate erosion controls will be employed.

- D. Laying Pipe – The pipeline will be strung on the right-of-way, bent to fit the ditch, welded, coated and lowered into the ditch in an assembly line method of construction.
- E. Backfill – Once the pipe is installed in the trench, it will be backfilled with the stored spoil. No waste material will be placed in the trench. Trench line barriers will be placed in the trench spaced according to existing ground slope to prevent water movement and subsequent erosion.
- F. Final Grading, Restoration and Stabilization – Final grading will be completed after backfilling the trench. The right-of-way will be restored to pre-construction contours. Final erosion control devices will be installed during final grading. Restoration will begin after final grading, weather permitting. Fertilizer and lime will be disked into the soil to prepare a seedbed. Seeding and mulching will promptly follow seedbed preparation. Quantities and seed mixes will be applied per the established specifications for the project.
- G. Crews and Equipment – Construction crews and equipment to be utilized on the project will consist of approximately the following:
 - a. One to three environmental crews, separate crews for clearing, foreign utility locating, grading, ditching, stringing and bending the pipe, welding, coating, lowering in, backfilling, tying in and cleanup.
 - b. Major equipment to be used would consist of approximately 12 track dozers, 15 track backhoes, 12 track pipe layers and various rubber tire vehicles.

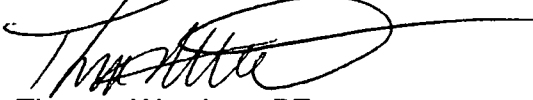
Stream and Wetland Crossings

(Natural Gas Line Construction in Dotson Run & Cabin Run Floodplains)

- A. The main objective of any water body crossing is to construct the pipeline in a manner which minimizes erosion and subsequent sedimentation into the water body. When water levels are temporarily high, the crossings will be postponed until water levels subside. Minor and intermediate water bodies will be crossed either utilizing the dry-ditch flume pipe method or dam and pump-around techniques, as directed by the associated permit. Major water bodies will have a site-specific crossing method such as a Horizontal Directional Drill. Equipment bridges (mat bridges) will be installed over minor water bodies and wetlands. Sediment filter devices for trench spoil will be installed prior to commencing trenching activities. The pipeline will normally be installed within a 48 hour window. Water body bottoms will be returned as near as practical to their original contours upon completion of installation. Restoration will follow directly behind and stream banks will be restored to original contours. The main objective of any wetland crossing is to construct the pipeline and restore the original contour of the wetland. For wetland crossings without standing water, normal construction techniques will be used. The right-of-way can be used for access thru the wetland. Wetland crossings with standing water will be constructed as separate construction entities, such that trenching, installation, backfilling and restoration are completed in the minimum number of days necessary. The push-pull or float technique of pipe installation will be utilized. Maximum base flood elevations at the two proposed stream crossings are listed below. Following pipeline installation, the right-of-way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevations.
 - Dotson Run – approximately 907 feet
 - Cabin Run – approximately 826 feet

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

Respectfully submitted,
Kleinfelder, Inc.



Thomas Woodrow, PE
Senior Project Manager

Attachments



#14-200

Dotson-Holland well Pad
Prim west P/L.
Pret. →

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

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

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

APPLICANT'S SIGNATURE

[Handwritten Signature]

DATE

4/17/14

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

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

APPLICANT'S NAME: Antero Resources Corporation

ADDRESS: ~~1625 47th~~ Street, Denver, CO 80202

1615 Wynkoop St

TELEPHONE NUMBER: Contact Shauna DeMattee: 303-357-6828

6412

Shaye Marshall

BUILDER'S NAME: Antero Resources Corporation
ADDRESS: 1625 17th Street, Denver, CO 80202
TELEPHONE NUMBER: (303) 357-7310

ENGINEER'S NAME: Tom Woodrow - Kleinfelder
ADDRESS: 230 Executive Dr, Suite 122, Cranberry Township, PA 16066
TELEPHONE NUMBER: 724-772-7072

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see attached property owner table

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see attached property owner table

DISTRICT: _____

DATE/FROM WHOM PROPERTY

PURCHASED: N/A

LAND BOOK DESCRIPTION: Please see attached property owner table

DEED BOOK REFERENCE: Please see attached property owner table

TAX MAP REFERENCE: _____

EXISTING BUILDINGS/USES OF PROPERTY: _____

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

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

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

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

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

B. OTHER DEVELOPMENT ACTIVITIES:

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

C. STANDARD SITE PLAN OR SKETCH

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

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 111,770.00

*See attached Floodplain Calculation Fee

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

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

NAME: Please see attached property owner table

ADDRESS: _____

NAME: _____

ADDRESS: _____

NAME: _____

ADDRESS: _____

NAME: _____

ADDRESS: _____

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

NAME: N/A

ADDRESS: _____

NAME: _____

ADDRESS: _____

NAME: _____

ADDRESS: _____

NAME: _____

ADDRESS: _____

E. CONFIRMATION FORM

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

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

Property Owner Table - Doddridge County Floodplain Permit (Dotson Run & Cabin Run)
Antero Resources Corporation - Dotson-Holland Well Pad to Primm West Pipeline Project (Dotson Pipeline)

Property Owner Name	Mailing Address	Floodplain Crossing	Parcel ID	Deed Book Reference	Land Book Description
HOST PROPERTIES (INSIDE FLOODPLAIN)					
Pierce Dale F & Paulette	RT 1 BOX 299 PENNSBORO, WV 26415	Dotson Run	1-8-39	Book 229, Page 356	DOTSON RUN 47.3 AC GREENWOOD RT 50 OVER 30
Morris, I L (Ike)	PO BOX 397 GLENVILLE WV 26351	Cabin Run	3-37-1	Book 255, Page 718	CABIN RUN 111.1 AC ASSESSED SUR
PROPERTY OWNERS ABUTTING HOST PROPERTIES - INSIDE FLOODPLAIN					
Smith Stephen M	113 ISLAND AVE BUCKHANNON, WV 26201	Dotson Run	1-8-25	Will Book 30, Page 516	DOTSON RUN 1/5 INT 11.03 AC GREENWOOD RT 50 OVER 30
Shannon Rosemary	511 TAPAWINGO ROAD VIENNA VA 22180	Dotson Run	1-8-25	Will Book 30, Page 516	DOTSON RUN 1/5 INT 11.03 AC GREENWOOD RT 50 OVER 30
Smith Gale J	RT 1 BOX 354 GREENWOOD WV 26415	Dotson Run	1-8-25	Will Book 30, Page 516	DOTSON RUN 1/5 INT 11.03 AC GREENWOOD RT 50 OVER 30
Talkington Margery	RT 2 BOX 241 PENNSBORO WV 26415	Dotson Run	1-8-25	Will Book 30, Page 516	DOTSON RUN 1/5 INT 11.03 AC GREENWOOD RT 50 OVER 30
Smith Vali	9319 SUMNER LAKE BLVD MANASSAS VA 20110	Dotson Run	1-8-25	Book 252, Page 241	1/2 OF 1/5 INT 11.03 AC DOTSON RUN GREENWOOD RT 50 OVER 30
Robinson Vicki	2822 OAKTON MANOR CT OAKTON VA 22124	Dotson Run	1-8-25	Book 252, Page 241	1/2 OF 1/5 INT 11.03 AC DOTSON RUN GREENWOOD RT 50 OVER 30
Nichols Tony L & Stella	194 FETTY HOLLOW SPENCER WV 25276 8660	Dotson Run	1-8-30	Book 241, Page 119	GREENWOOD 30000 SQ FT GREENWOOD RT 50 OVER 30
Rymer Daniel H Et Ux	RT 1 BOX 290 GREENWOOD WV 26415	Dotson Run	1-9-32.2	Book 197, Page 115	DOTSON RUN .78AC OR 33958 SF RT. 50 OVER 30
Ankeney John D	RT 1 BOX 298 GREENWOOD WV 26415	Dotson Run	1-9-32.1	Book 259, Page 680	DOTSON RUN 14.08 AC RT. 50 OVER 30
Marsh Michael O & Joyce	RT 1 BOX 289 GREENWOOD WV 26415	Dotson Run	1-9-32.3	Book 267, Page 631	DOTSON RUN 65.38 AC
Coastal Lumber Co	P.O. BOX 709 BUCKHANNON WV 26201 0709	Cabin Run	3-32-8	Book 226, Page 655	CABIN RUN 39.09 A(LOT #8) SUR CO RD 10
Church, Earvin	P.O. BOX 668 PINEVILLE WV 24874 0668	Cabin Run	3-32-9.1	Book 266, Page 547	CABIN RUN 2 AC SURF CO RD 10
Coastal Lumber Co	P.O. BOX 709 BUCKHANNON WV 26201 0709	Cabin Run	3-32-7	Book 226, Page 655	CABIN RUN 57.6 CO RD 10/2
Church, Earvin	P.O. BOX 668 PINEVILLE WV 24874 0668	Cabin Run	3-32-9	Book 266, Page 547	CABIN RUN 5.86 AC SUR CO RD 10
MacKay, Jack D & Peale Anita G	Jack D. Mackay Rt 1 Box 206-2, West Union, WV 26456-9727	Cabin Run	3-37-3.3	Book 280, Page 972	18.88 LYNN CAMP CO RD 10/4
	Anita G. Peale 105 Colechester Lane, Palm Coast, FL 32137-9062				
Morris, I L (Ike)	PO BOX 397 GLENVILLE WV 26351	Cabin Run	1-11-8	Book 230, Page 307	CABIN RUN 259.50 AC RT.19
Heartwood Forestland Fun	2911 EMERSON AVE SUITE A PARKERSBURG WV 26104	Cabin Run	1-11-6	Book 253, Page 671	CABIN RUN 73.92 AC OFF RT.19 OVER 3

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

NAME (PRINT): Kevin Kilstrom
 SIGNATURE: [Signature] DATE: 4/17/14

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

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

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: _____
 Dated: _____

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

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

Unavailable

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

See section 4 for additional instructions.

SIGNED _____

DATE _____

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

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

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

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

Other:

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

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

SIGNED _____ DATE _____

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

APPEALS: Appealed to the County Commission of Doddridge County? Yes No
Hearing Date: _____
County Commission Decision - Approved Yes No

CONDITIONS: _____

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

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

COMPLETE 1 OR 2 BELOW:

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

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

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

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

INSPECTIONS:

DATE: _____ BY: _____
DEFICIENCIES ? Y/N

COMMENTS _____

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

Certificate of Compliance issued: DATE: _____ BY: _____

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

PERMIT NUMBER: _____

PERMIT DATE: _____

PURPOSE –

CONSTRUCTION LOCATION: _____

OWNER'S ADDRESS: _____

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

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

SIGNED _____ **DATE** _____

Doddridge County Flood Plain Application Fee Calculator (if in Flood Plain)**Dotson Pipeline**

Estimated Construction Costs	\$111,770.00
Amount over \$100,000	\$11,770.00
Drilling Oil and Gas Well Fee	\$1,000.00
\$5 per \$1,000 over \$100,000	\$58.85
Amount Due with application	\$1,058.85

BID SHEET

DOTSON PIPELINE (DODDRIDGE COUNTY)

ANTERO MIDSTREAM LLC

Dotson Run Floodplain Crossing

Item	Pipeline Size & Type	Units	Quantity	Unit Cost	Total
Open Cut (Buried) Line Install & Reclamation	16" gas line	Feet	265	\$195.00	\$51,675.00
Bore (Road Crossing)	16" gas line	Feet	60	\$350.00	\$21,000.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings	16" gas line	Each	1	\$1,500.00	\$1,500.00
E&S for Stream Crossings	16" gas line	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances	16" gas line	Each	2	\$1,500.00	\$3,000.00
Total Crossing Cost					\$77,335.00

Cabin Run Floodplain Crossing

Item	Pipeline Size & Type	Units	Quantity	Unit Cost	Total
Open Cut (Buried) Line Install & Reclamation	16" gas line	Feet	45	\$195.00	\$8,775.00
Bore (Road Crossing)	16" gas line	Feet	60	\$350.00	\$21,000.00
Open Cut Road Crossing		Each		\$4,000.00	\$0.00
Air Bridge Stream Crossings	16" gas line	Each	1	\$1,500.00	\$1,500.00
E&S for Stream Crossings	16" gas line	Each	1	\$160.00	\$160.00
Super Silt Fence		Feet		\$10.00	\$0.00
Stabilized Construction Entrances	16" gas line	Each	2	\$1,500.00	\$3,000.00
Total Crossing Cost					\$34,435.00

Total Doddridge County Floodplain Crossing Costs					\$111,770.00
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Dotson-Holland Well Pad to Primm West Pipeline Project (Dotson Pipeline)

Doddridge County, West Virginia

Mainline Pipeline Installations

- A. Clearing – During clearing operations, all brush and trees will be felled into the construction work area to prevent off-construction work area damage to trees and structures. All cleared brush will be stacked to the side of the right-of-way, chipped or burned. Timber will be stacked or hauled away based on landowner requests. Stumps will be buried, ground or chipped in place.
- B. Grading – Grading will be kept to the minimum amount necessary and includes installation of erosion control devices (ECDs) such as interceptor diversions, filter devices and equipment crossings of streams to minimize soil loss and eliminate sedimentation risks. Topsoil will be stripped, segregated and stockpiled in agland areas along the edge of right-of-way.
- C. Trenching – Typically, the trench will not remain open for more than 30 days in any one area. Open trench duration of streams and wetlands will be kept to a minimum. Temporary breakers are installed to reduce water velocity and erosion of the trench bottom. When the trench must remain open longer, appropriate erosion controls will be employed.
- D. Laying Pipe – The pipeline will be strung on the right-of-way, bent to fit the ditch, welded, coated and lowered into the ditch in an assembly line method of construction.
- E. Backfill – Once the pipe is installed in the trench, it will be backfilled with the stored spoil. No waste material will be placed in the trench. Trench line barriers will be placed in the trench spaced according to existing ground slope to prevent water movement and subsequent erosion.
- F. Final Grading, Restoration and Stabilization – Final grading will be completed after backfilling the trench. The right-of-way will be restored to pre-construction contours. Final erosion control devices will be installed during final grading. Restoration will begin after final grading, weather permitting. Fertilizer and lime will be disked into the soil to prepare a seedbed. Seeding and mulching will promptly follow seedbed preparation. Quantities and seed mixes will be applied per the established specifications for the project.
- G. Crews and Equipment – Construction crews and equipment to be utilized on the project will consist of approximately the following:
 - a. One to three environmental crews, separate crews for clearing, foreign utility locating, grading, ditching, stringing and bending the pipe, welding, coating, lowering in, backfilling, tying in and cleanup.
 - b. Major equipment to be used would consist of approximately 12 track dozers, 15 track backhoes, 12 track pipe layers and various rubber tire vehicles.



Stream and Wetland Crossings
(Natural Gas Line Construction in Dotson Run & Cabin Run Floodplains)

A. The main objective of any water body crossing is to construct the pipeline in a manner which minimizes erosion and subsequent sedimentation into the water body. When water levels are temporarily high, the crossings will be postponed until water levels subside. Minor and intermediate water bodies will be crossed either utilizing the dry-ditch flume pipe method or dam and pump-around techniques, as directed by the associated permit. Major water bodies will have a site-specific crossing method such as a Horizontal Directional Drill. Equipment bridges (mat bridges) will be installed over minor water bodies and wetlands. Sediment filter devices for trench spoil will be installed prior to commencing trenching activities. The pipeline will normally be installed within a 48 hour window. Water body bottoms will be returned as near as practical to their original contours upon completion of installation. Restoration will follow directly behind and stream banks will be restored to original contours. The main objective of any wetland crossing is to construct the pipeline and restore the original contour of the wetland. For wetland crossings without standing water, normal construction techniques will be used. The right-of-way can be used for access thru the wetland. Wetland crossings with standing water will be constructed as separate construction entities, such that trenching, installation, backfilling and restoration are completed in the minimum number of days necessary. The push-pull or float technique of pipe installation will be utilized. Maximum base flood elevations at the two proposed stream crossings are listed below. Following pipeline installation, the right-of-way will be restored to pre-construction contours and no permanent structures will be constructed; therefore, there will be no change to the base flood elevations.

- Dotson Run – approximately 907 feet
- Cabin Run – approximately 826 feet

Engineer of Record

Kleinfelder East, Inc.
Thomas W. Woodrow, PE #19684
230 Executive Drive, Suite 122
Cranberry Township, PA 16066
P: 724-772-7072
F: 724-772-7079



STATE OF WEST VIRGINIA,
COUNTY OF DODDRIDGE, TO WIT

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

Floodplain Permit
14-200
Antero

was published in said paper for *2*
successive weeks beginning with the issue
of *May 6th* 2014 and
ending with the issue of

May 13th 2014 and
that said notice contains *189*
WORD SPACE at *115* cents a word
amounts to the sum of \$ *21.74*

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

\$ *16.31*
and each publication thereafter
\$ *38.05* TOTAL

EDITOR
Virginia Nicholson

SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE *15th* DAY
OF *May* 2014

NOTARY PUBLIC
Laura J Adams

Legal Advertisement

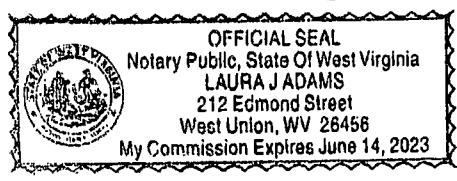
LEGAL ADVERTISEMENT:
Doddridge County
Floodplain Permit Application

Please take notice that on the 28th day of April, 2014
ANTERORESOURCES CORPORATION #14-200 filed
an application for a Floodplain Permit to develop land
located at or about: SURFACE OWNERS: DALE &
PAULETTE PIERCE AND IL MORRIS
GREENWOOD/PENNSBORO AREA OF DOTSON
RUN AND CABIN RUN MAP/PARCEL 1-8-39 & 3-37-1,
DEED BOOK 229/356, 255/718.

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 May 19th,
2014.

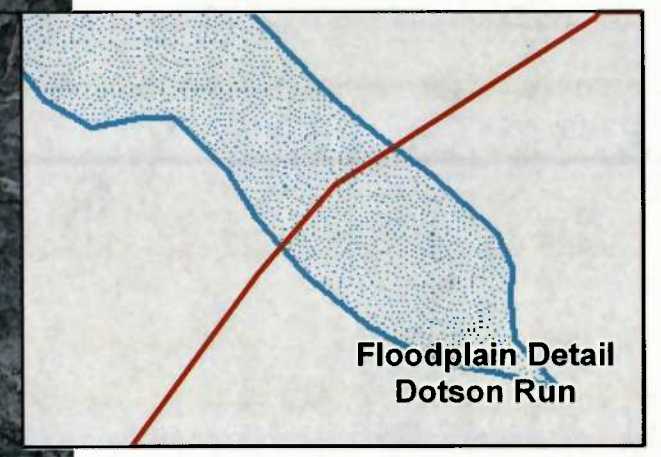
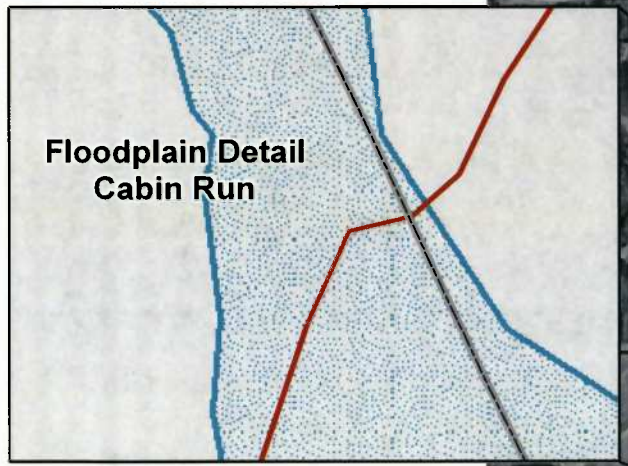
Delivered to the:
Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A. Rogers, Doddridge County Clerk
Edwin L. "Bo" Wriston, Doddridge County Flood Plain
Manager

5-6-2xb





**DOTSON PIPELINE
FEMA FIRM 54017C0100C, 54017C0200C
ANTERO RESOURCES CORPORATION**



**SITE LOCATIONS - DOTSON RUN
NAD 83**

Northern Terminus (UTM Meters)	N=4346768.6 m	E=509980.9 m
Southern Terminus (UTM Meters)	N=4346715.0 m	E=509922.4 m
	LATITUDE	LONGITUDE
Northern Terminus	39.270205	-80.884294
Southern Terminus	39.269723	-80.884974

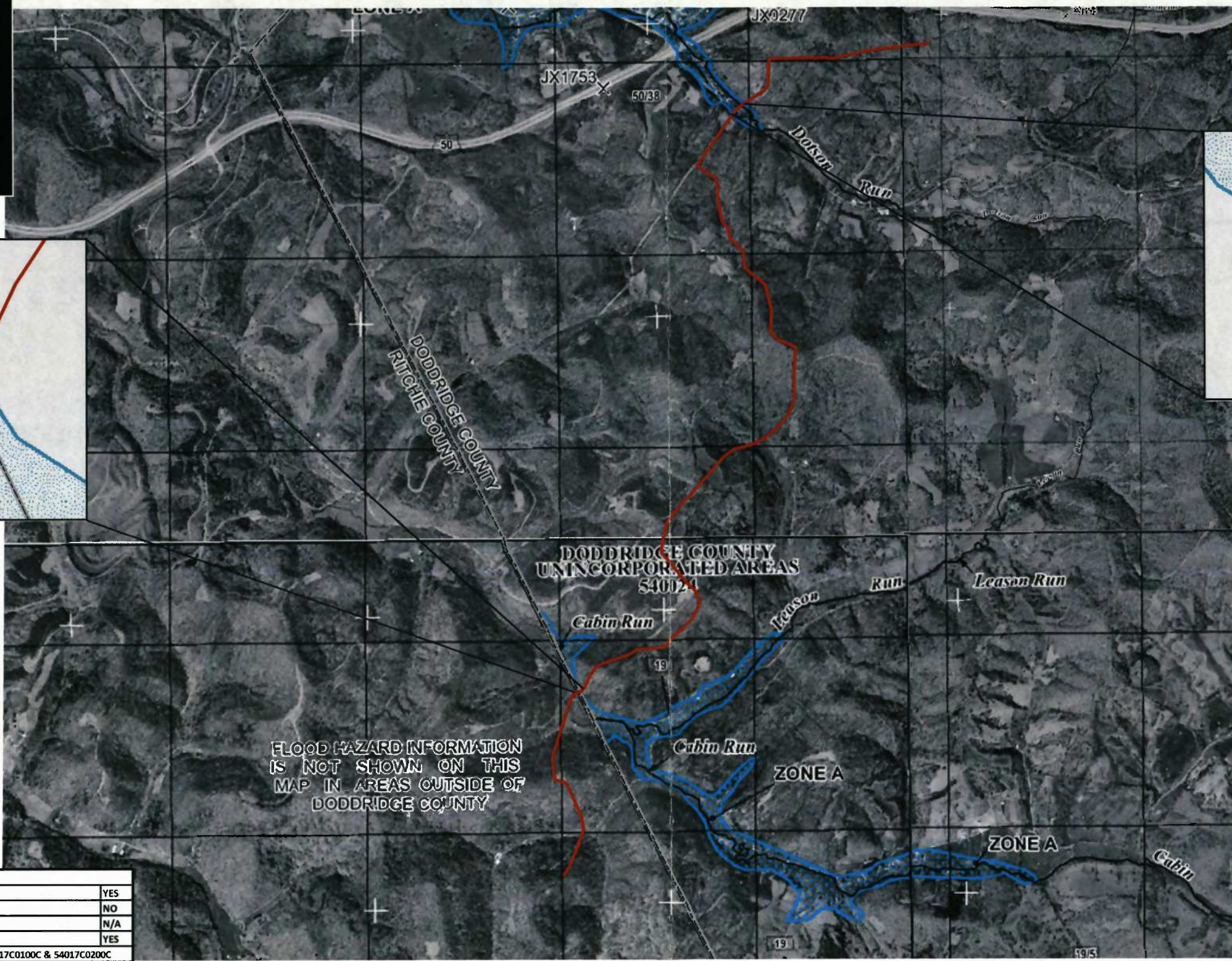
**SITE LOCATIONS - CABIN RUN
NAD 83**

Northern Terminus (UTM Meters)	N=4343731.7 m	E=509100.1 m
Southern Terminus (UTM Meters)	N=4343724.4 m	E=509091.0 m
	LATITUDE	LONGITUDE
Northern Terminus	39.242849	-80.894547
Southern Terminus	39.242784	-80.894652

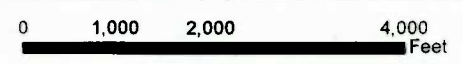
**CENTRAL AND CLAY DISTRICTS,
DODDRIDGE AND RITCHE COUNTIES, WV
LITTLE KANAWHA WATERSHED**

FLOODPLAIN CONDITIONS

DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	YES
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	YES
FIRM MAP NUMBER (S) FOR SITE:	54017C0100C & 54017C0200C
ACREAGE OF CONSTRUCTION IN FLOODPLAIN - DOTSON RUN:	0.035
ACREAGE OF CONSTRUCTION IN FLOODPLAIN - CABIN RUN (DODDRIDGE COUNTY ONLY):	0.004



FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF DODDRIDGE COUNTY



Legend

- Dotson Pipeline (3.92 mi)
- FEMA Floodplain
- County Boundary

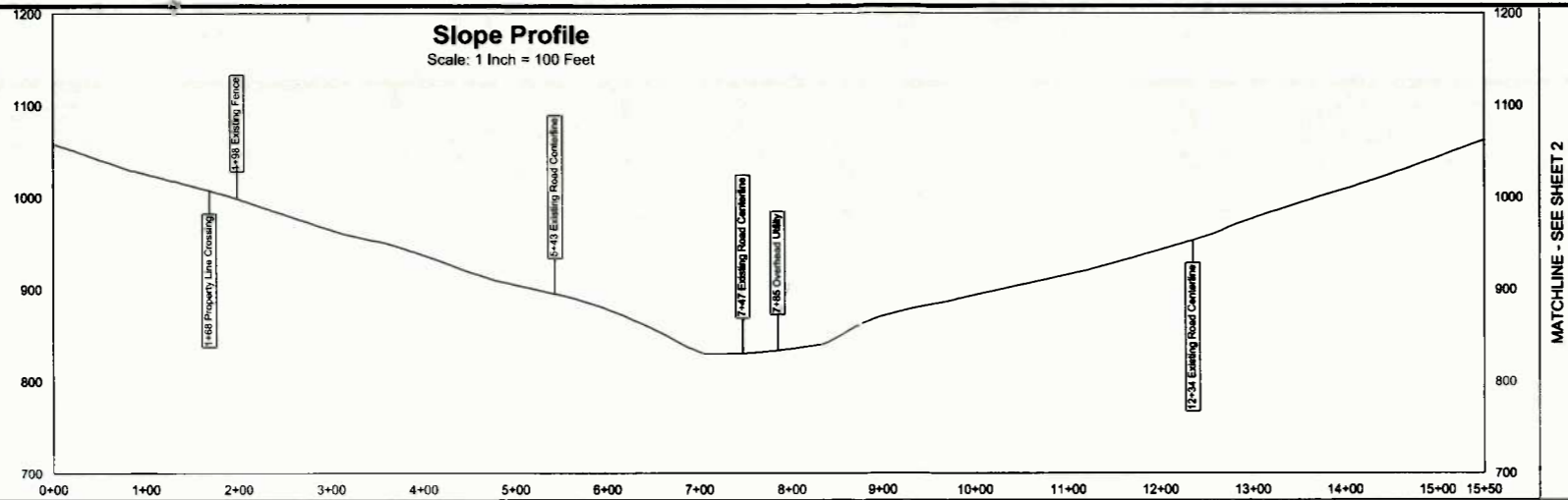
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Base Map: ESRI Online Map; USGS 7.5' Pennsboro, West Union, and Putman Quadrangles

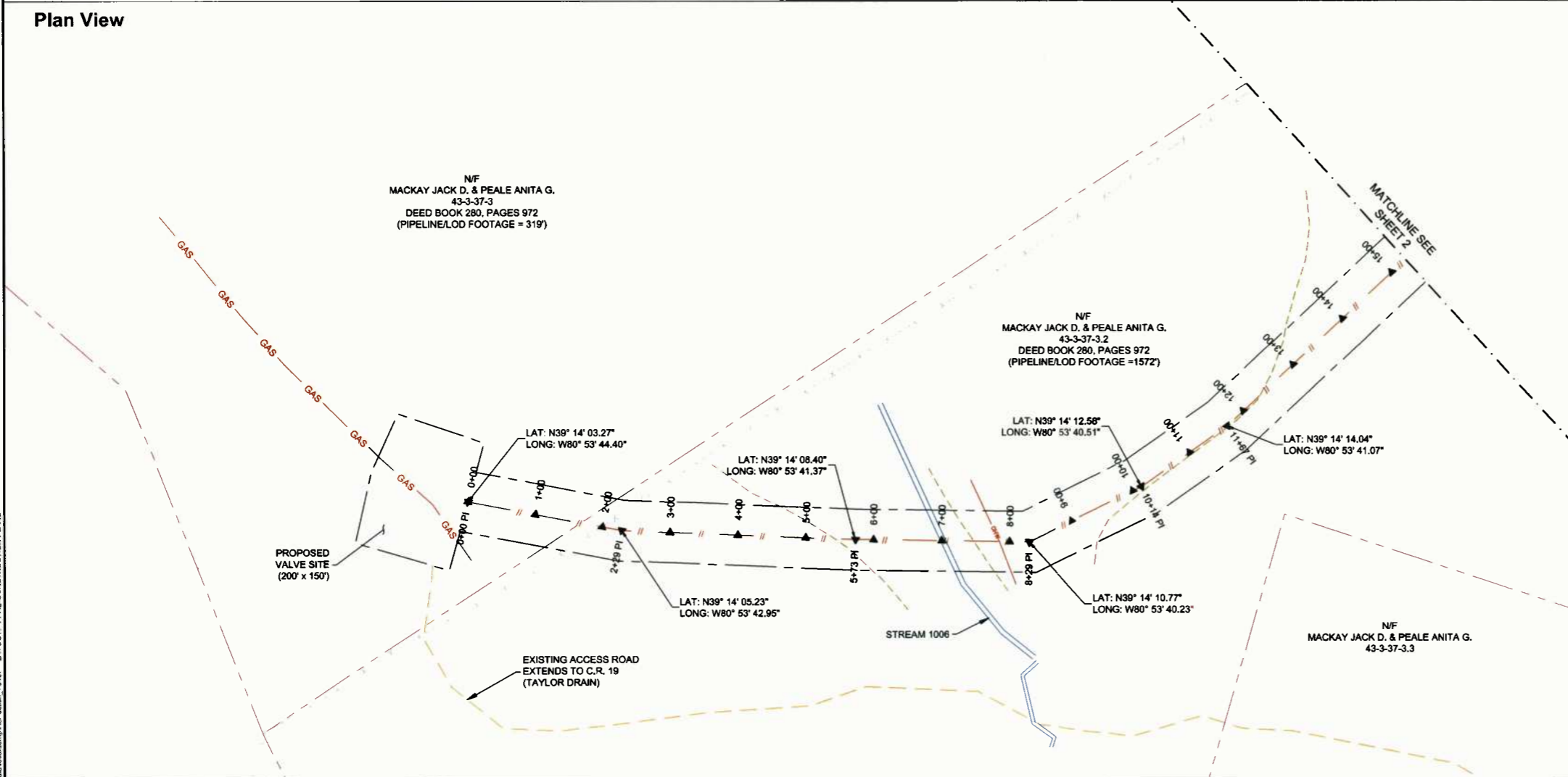


PROJECT NO.	20140325
DRAWN:	4/4/2014
DRAWN BY:	A.Leonard
CHECKED BY:	N.Peace
FILE NAME:	Dotson_Doddridge_FEMA.mxd

Antero Midstream LLC
Dotson Pipeline
Doddridge and Ritchie Counties
West Virginia
Flood Insurance Rate Map

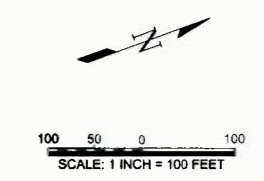


Plan View



PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

- LEGEND**
- EXISTING ACCESS ROAD
 - EXISTING DIRT ROAD
 - EXISTING PAVED ROAD
 - EXISTING PROPERTY LINE
 - EXISTING STREAM
 - EXISTING DRAINAGE FEATURE
 - EXISTING WELL PAD LOD
 - EXISTING WELL PAD GRADES/PAD
 - EXISTING GAS PIPELINE
 - EXISTING FENCE
 - EXISTING OVERHEAD WIRE
 - EXISTING TELEPHONE LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



SEAL

NO.	REVISION	BY	DATE
1			
2			
3			
4			

DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
DOTSON PIPELINE

DODDRIDGE & RITCHIE COUNTIES WEST VIRGINIA

ACAD FILE:
138753

DESIGNED BY: CAL

MODIFIED BY: CAL

CHECKED BY: MDWJBC

DATE: 04-08-14

SCALE:

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

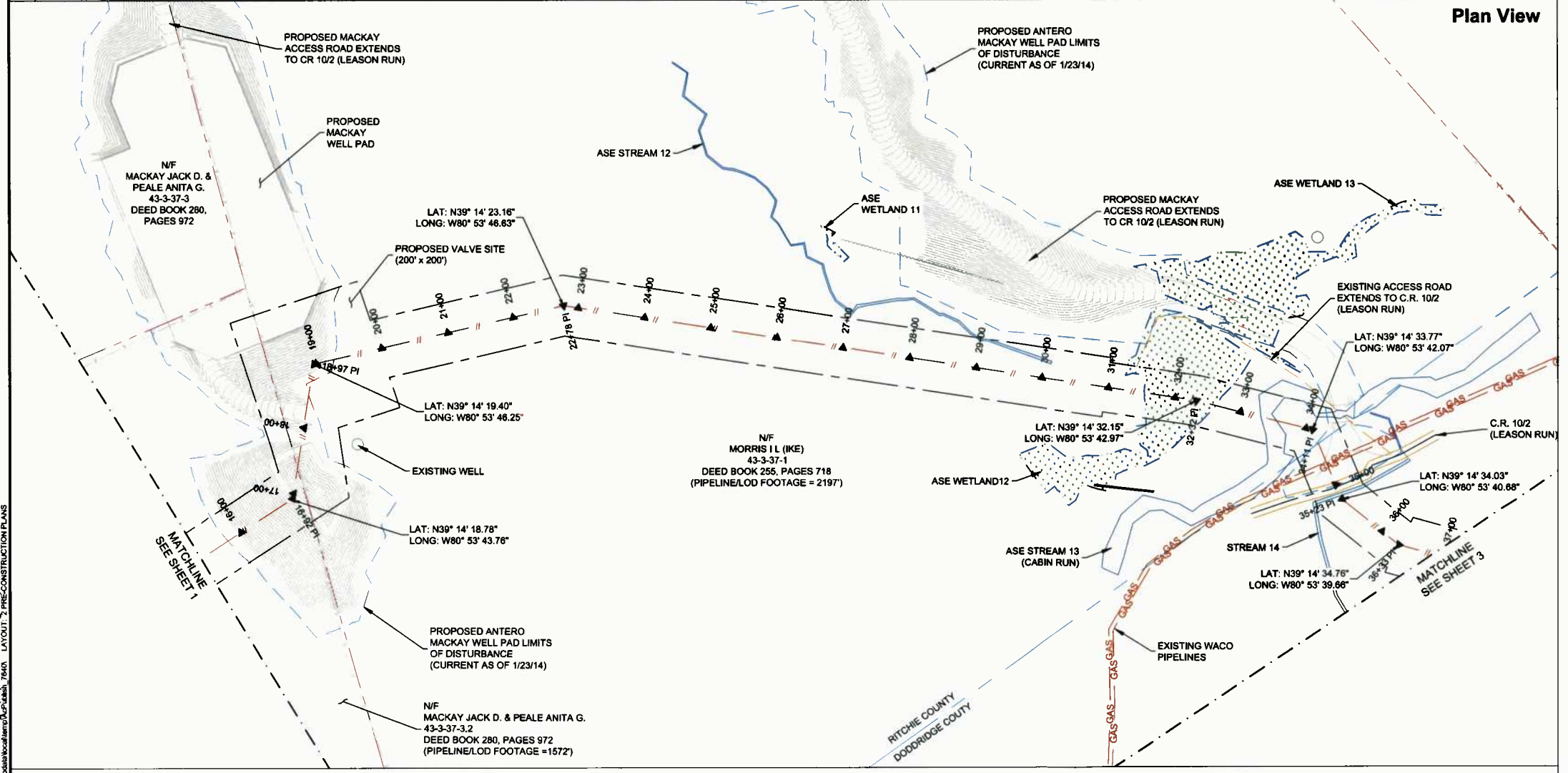
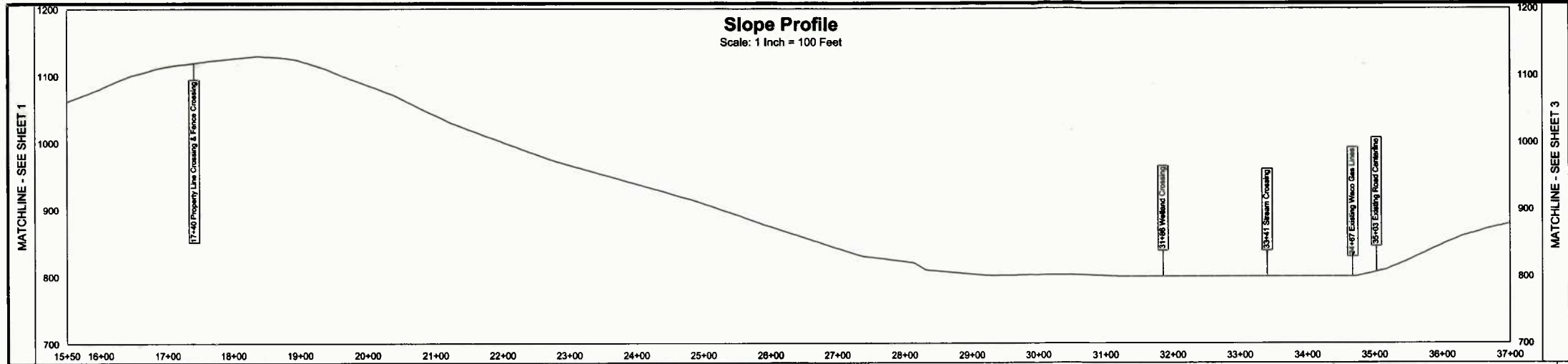
CONSTRUCTION

1

1 of 11 sheets

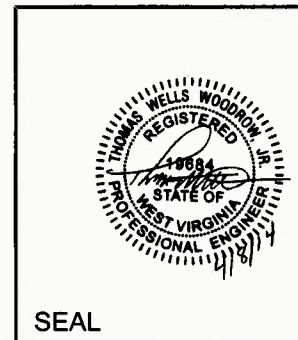
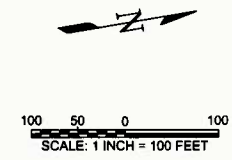
ATTACHED IMAGES: XREF: ANTERO T1X17 TITLE BLOCK; XREF: DOTSON; Base: WVA; DWS: 1; Project: 138753; Title: CONSTRUCTION PLANS
 ATTACHED XREFS: XREF: CONSTRUCTION PLANS; XREF: CONSTRUCTION PLANS; XREF: CONSTRUCTION PLANS

PLOTTED: 08 Apr 2014, 9:35am. Mty



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 - EXISTING WELL PAD LOD
 - EXISTING WELL PAD GRADES/PAD
 - GAS --- GAS --- EXISTING GAS PIPELINE
 - EXISTING FENCE
 - OHW --- OHW --- OHW EXISTING OVERHEAD WIRE
 - T --- T --- EXISTING TELEPHONE LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			

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 230 EXECUTIVE DRIVE, SUITE 122
 CRANBERRY TOWNSHIP, PA 16066
 PH. 724-772-7072 FAX. 724-772-7079
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ACAD P.L.E.
 PROJ. NO. 138753

DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
 DOTSON PIPELINE

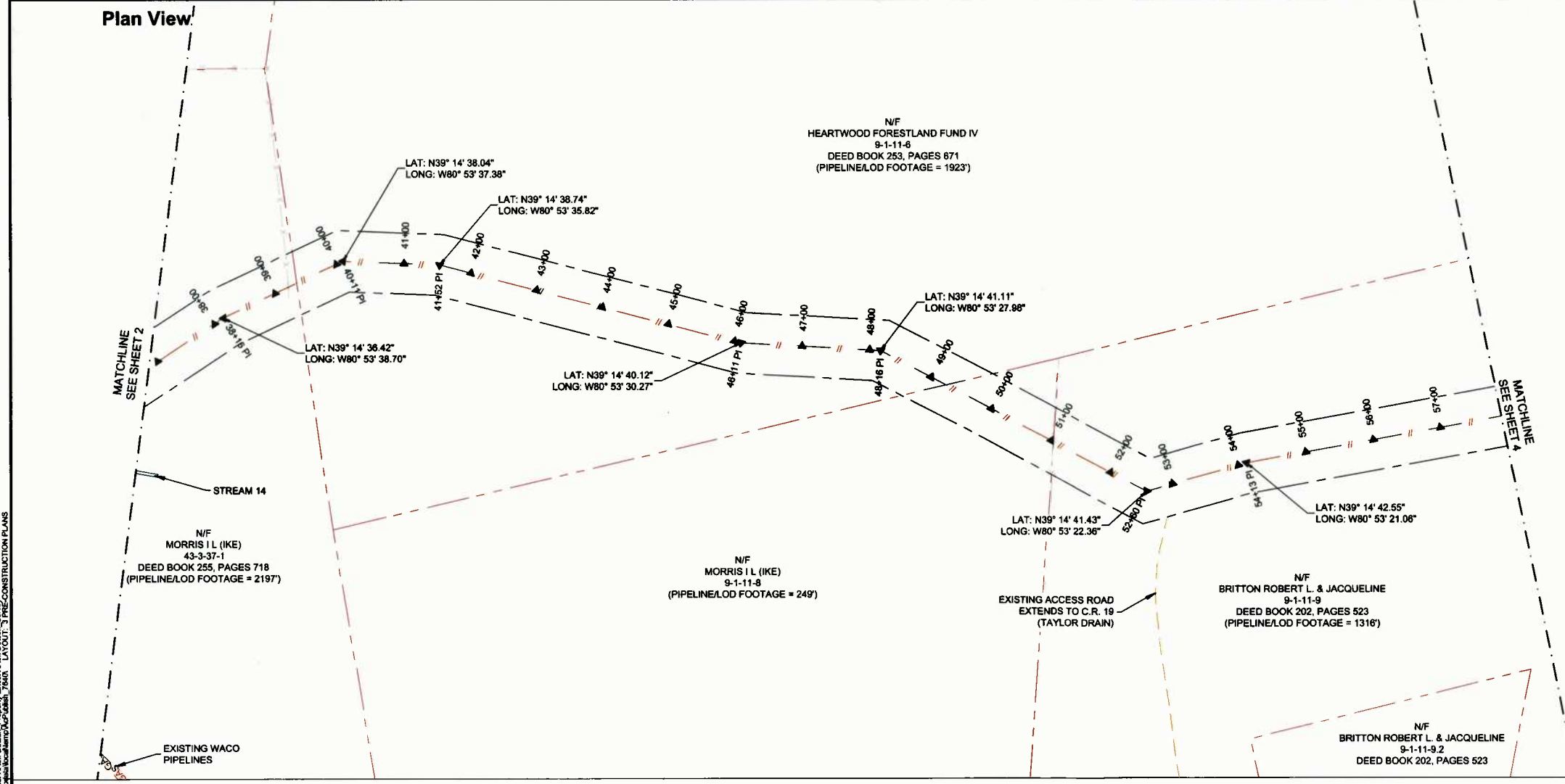
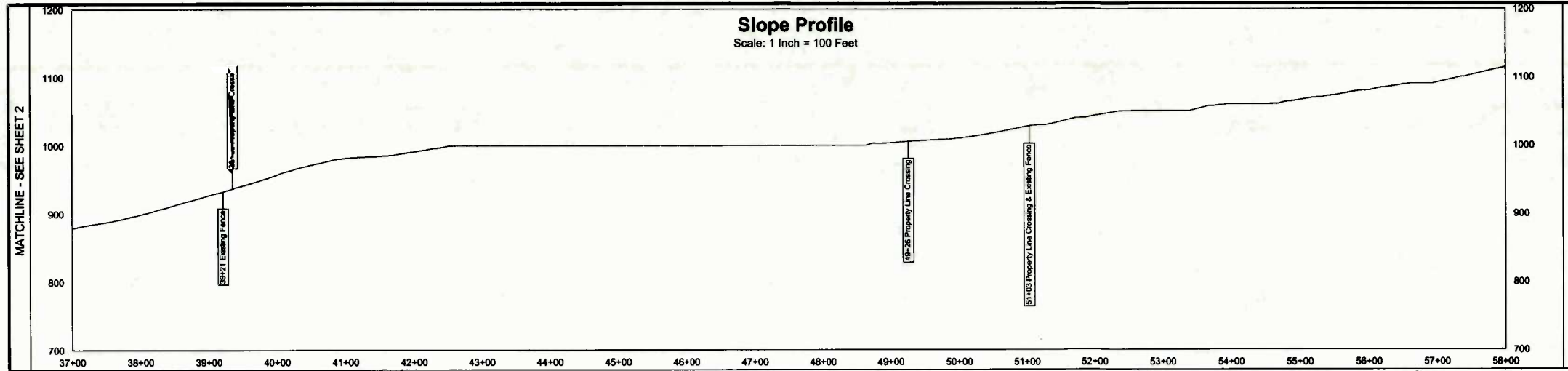
DODDRIIDGE & RITCHIE COUNTIES
 WEST VIRGINIA

DESIGNED BY: CAL
MODIFIED BY: CAL
CHECKED BY: MDW/JBC
DATE: 04-08-14
SCALE:
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
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CONSTRUCTION
2 of 11 sheets

ATTACHED IMAGES: XREF ANTERO 11x17 TITLE BLOCK; XREF DOTSON; BASE: XREF DOTSON; PROPERTY LINES; XREF DOTSON; SURVEY; CAD FILE: C:\Users\mjd\AppData\Local\Temp\138753\DOTSON\CONSTRUCTION PLANS

- PIPELINE BEND 48° LEFT 16+92
- PIPELINE BEND 68° RIGHT 18+97
- PIPELINE BEND 22° RIGHT 22+78
- PIPELINE BEND 6° RIGHT 32+32
- PIPELINE BEND 53° RIGHT 34+11
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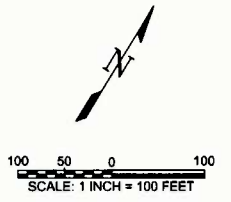
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 - EXISTING WELL PAD GRADES/PAD
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 - T --- T --- EXISTING TELEPHONE LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



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DOTSON PIPELINE CONSTRUCTION PLANS

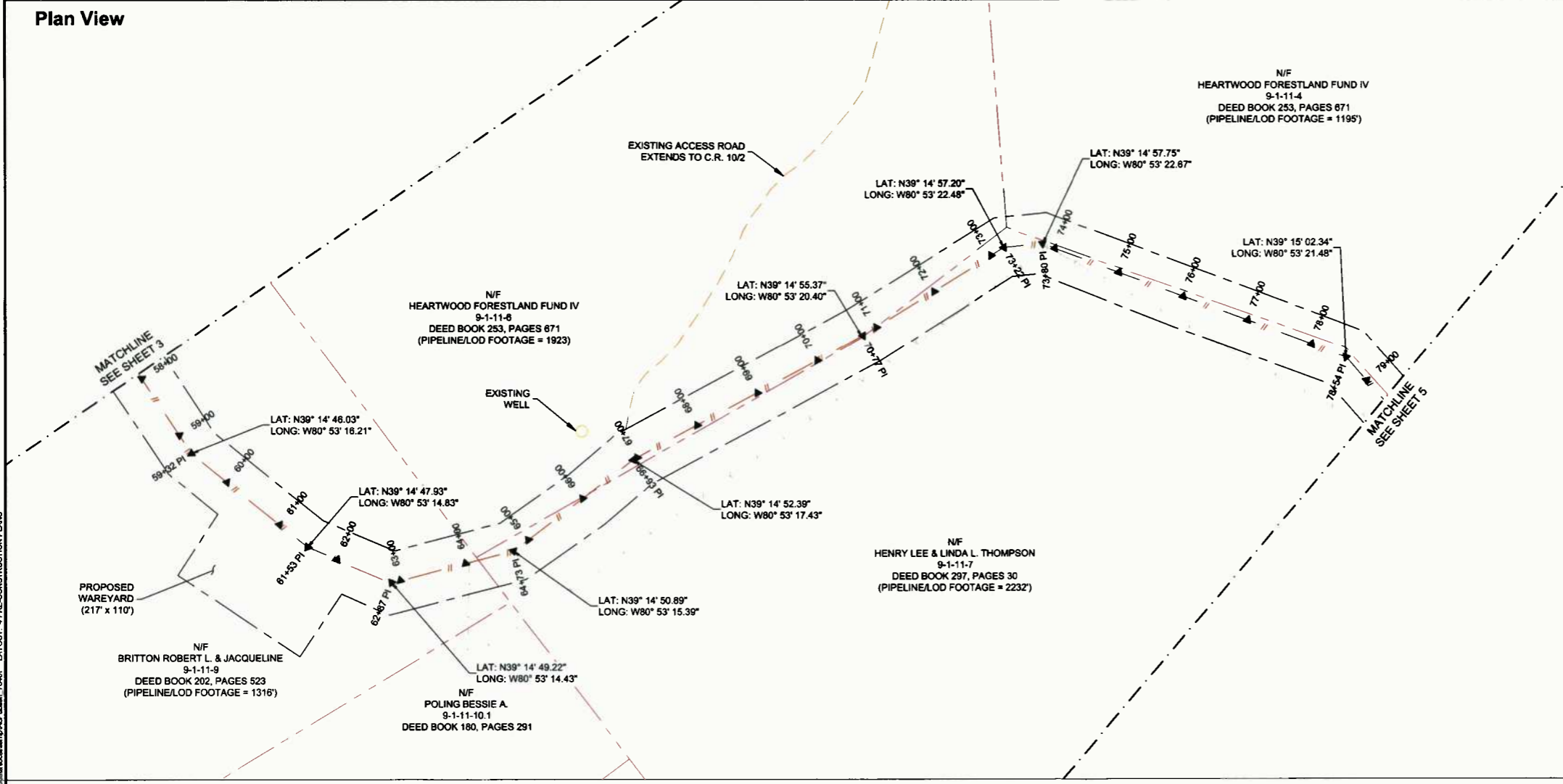
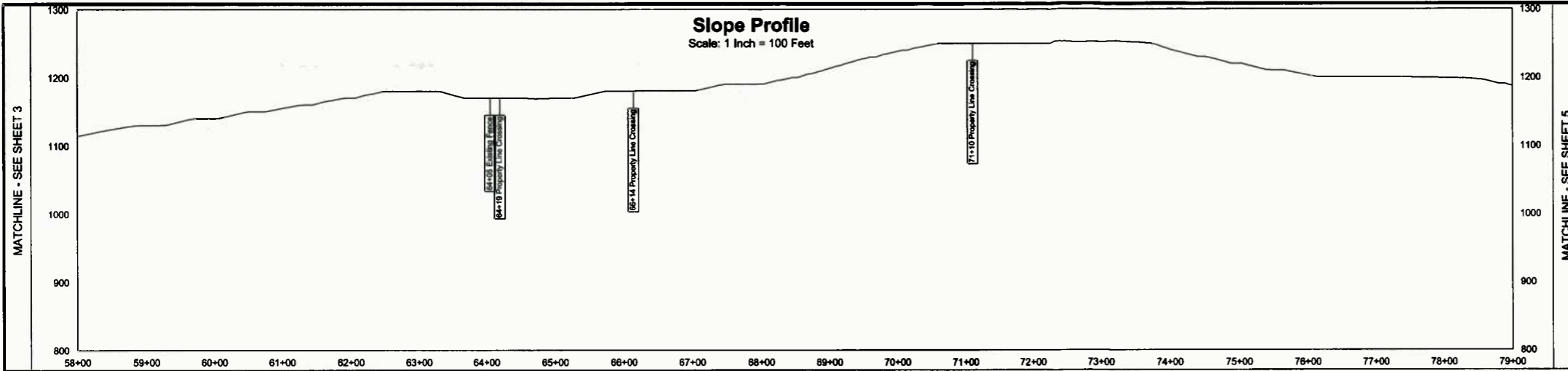
ANTERO MIDSTREAM LLC
DOTSON PIPELINE

WEST VIRGINIA
DODDRIDGE & RITCHIE COUNTIES

DESIGNED BY: CAL
MODIFIED BY: CAL
CHECKED BY: MDW/JBC
DATE: 04-08-14
SCALE:
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
0 0.5 1.0 1.5 2.0
CONSTRUCTION
3
3 of 11 sheets

ATTACHED IMAGES: XREF: ANTERO 11x17 TITLE BLOCK; XREF: DOTSON; Base: XREF: DOTSON; Property Lines; XREF: DOTSON; Survey; XREF: DOTSON; CAD FILE: C:\Users\mduffy\Documents\DOTSON\DOTSON.dwg; XREF: DOTSON; LAYOUT: 3 PRE-CONSTRUCTION PLANS
 15-15-12 REVISED BY: CAL

PLOTTED: 08 Apr 2014, 9:35am. Mly



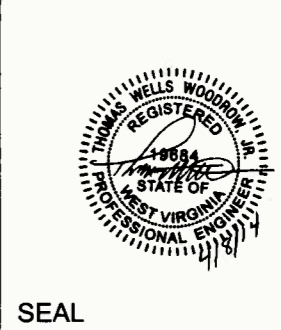
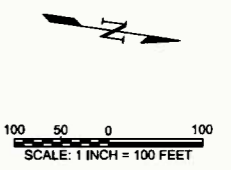
PLAN REPRODUCTION WARNING

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WARNING: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

- LEGEND**
- EXISTING ACCESS ROAD
 - EXISTING DIRT ROAD
 - EXISTING PAVED ROAD
 - EXISTING TREE LINE
 - EXISTING PROPERTY LINE
 - EXISTING STREAM
 - EXISTING DRAINAGE FEATURE
 - EXISTING WELL PAD LOD
 - EXISTING WELL PAD GRADES/PAD
 - EXISTING GAS PIPELINE
 - EXISTING FENCE
 - EXISTING OVERHEAD WIRE
 - EXISTING TELEPHONE LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



- PIPELINE BEND 10° LEFT 59+32
- PIPELINE BEND 16° LEFT 61+53
- PIPELINE BEND 38° LEFT 62+87
- PIPELINE BEND 23° LEFT 64+73
- PIPELINE BEND 9° RIGHT 66+93
- PIPELINE BEND 3° LEFT 70+77
- PIPELINE BEND 26° RIGHT 73+22
- PIPELINE BEND 27° RIGHT 73+80
- PIPELINE BEND 28° RIGHT 78+54

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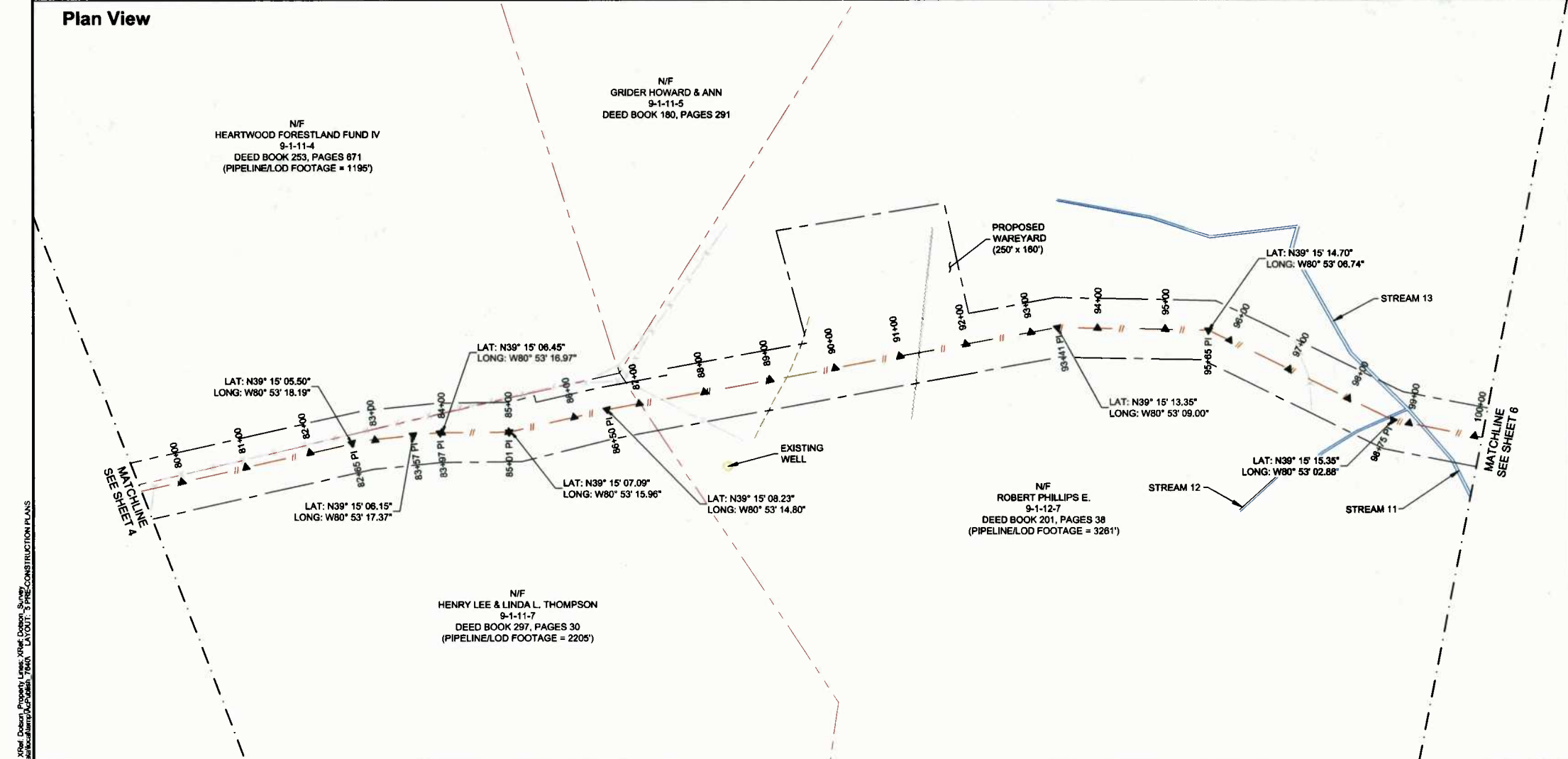
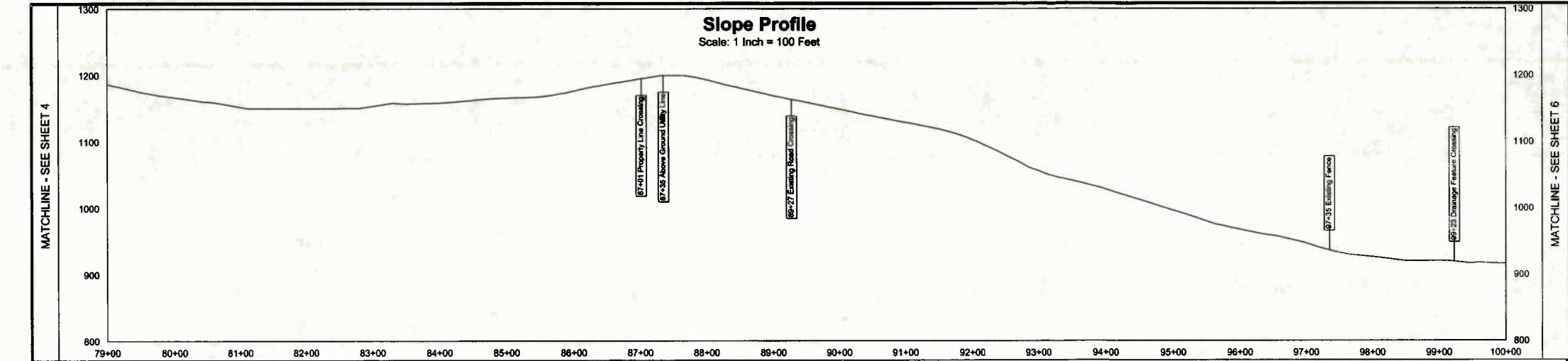
PROJ. NO. 138753
ACAD FILE

DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
DOTSON PIPELINE

WEST VIRGINIA
DODDRIDGE & RITCHIE COUNTIES

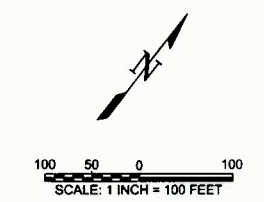
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CONSTRUCTION
4
4 of 11 sheets



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- PROPOSED LIMITS OF DISTURBANCE
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- PROPOSED PIPELINE
- EXISTING WETLAND/POND



10-15-12
 ATTACHED IMAGES: Xref Antero 11x17 Title Block Xref Dotson Base Xref Antero Property Lines Xref Antero Survey Xref Antero Construction Plans
 ATTACHED APPS: Xref Antero 11x17 Title Block Xref Dotson Base Xref Antero Property Lines Xref Antero Survey Xref Antero Construction Plans

- PIPELINE BEND 3" RIGHT 82+85
- PIPELINE BEND 2" RIGHT 83+57
- PIPELINE BEND 5" RIGHT 83+97
- PIPELINE BEND 13" LEFT 85+01
- PIPELINE BEND 3" RIGHT 86+50
- PIPELINE BEND 11" RIGHT 93+41
- PIPELINE BEND 25" RIGHT 95+65
- PIPELINE BEND 15" LEFT 98+75

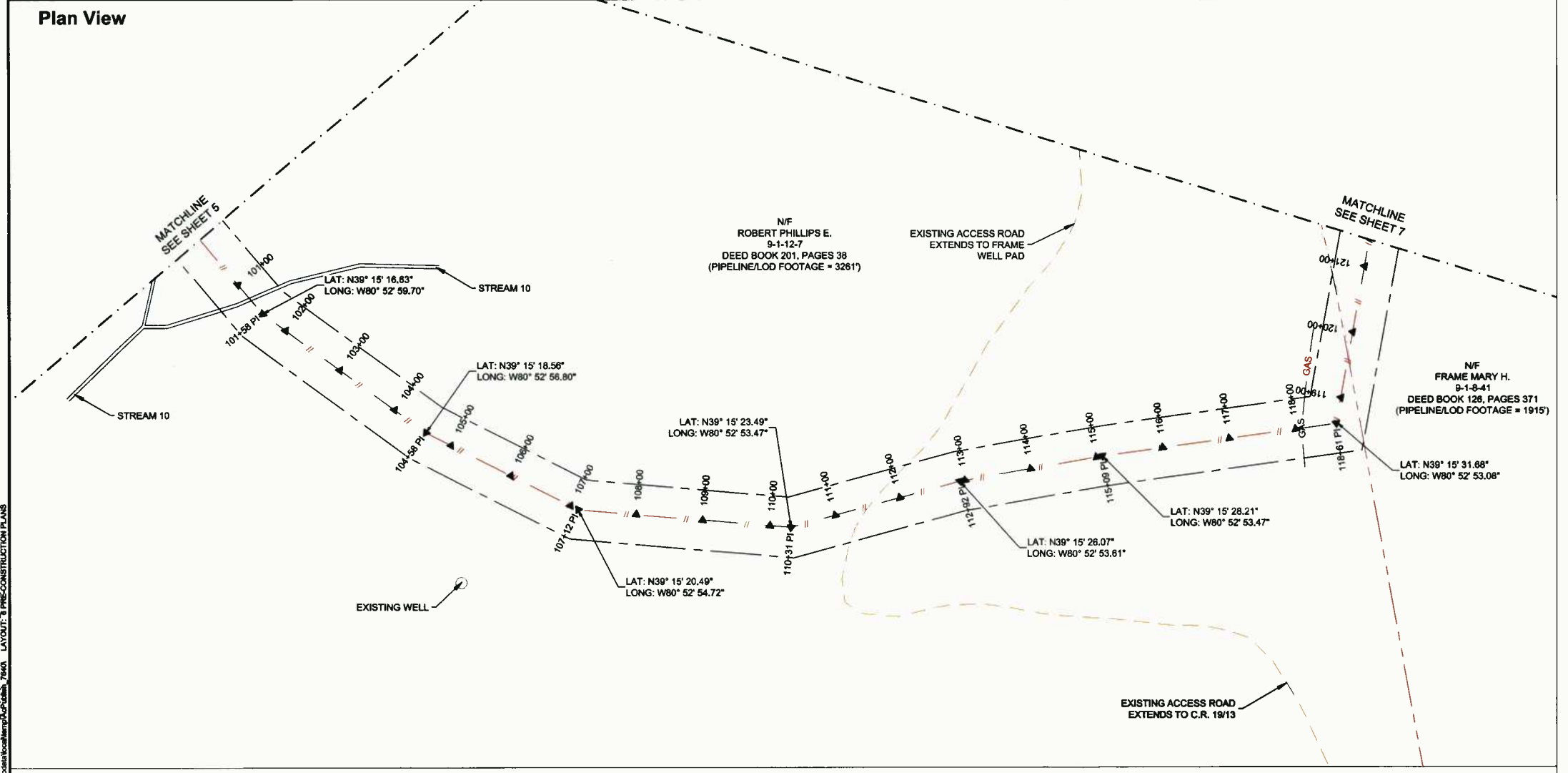
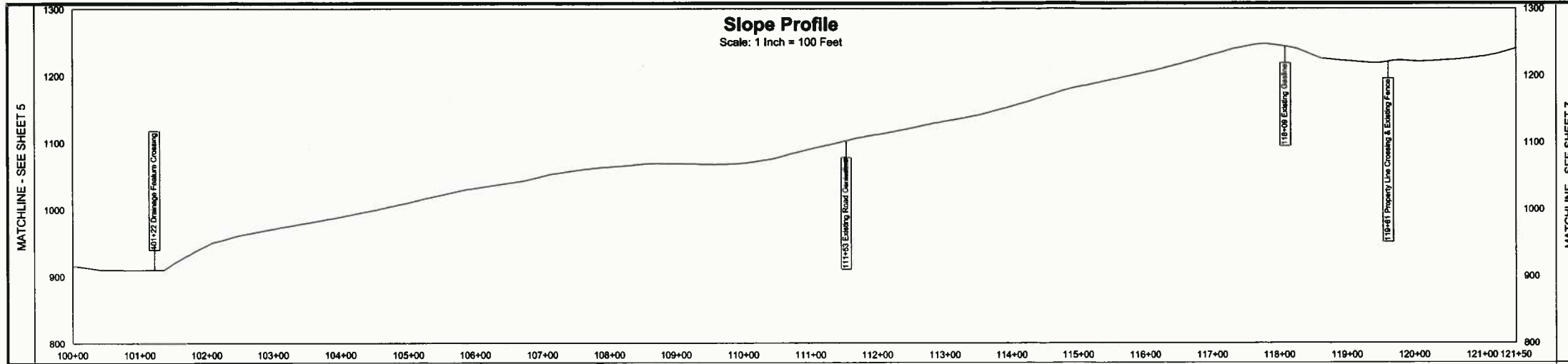
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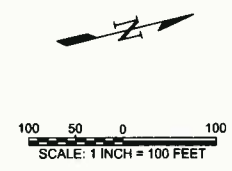
DOTSON PIPELINE CONSTRUCTION PLANS
 ANTERO MIDSTREAM LLC
 DOTSON PIPELINE
 WEST VIRGINIA
 DODDRIDGE & RITCHIE COUNTIES

DESIGNED BY: CAL
 MODIFIED BY: CAL
 CHECKED BY: MDI/JBC
 DATE: 04-08-14
 SCALE: ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 0 0.5 1.0 1.5 2.0
 CONSTRUCTION
5
 5 of 11 sheets



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 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



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PRJCL. NO. 138783
 ACAD. FILE

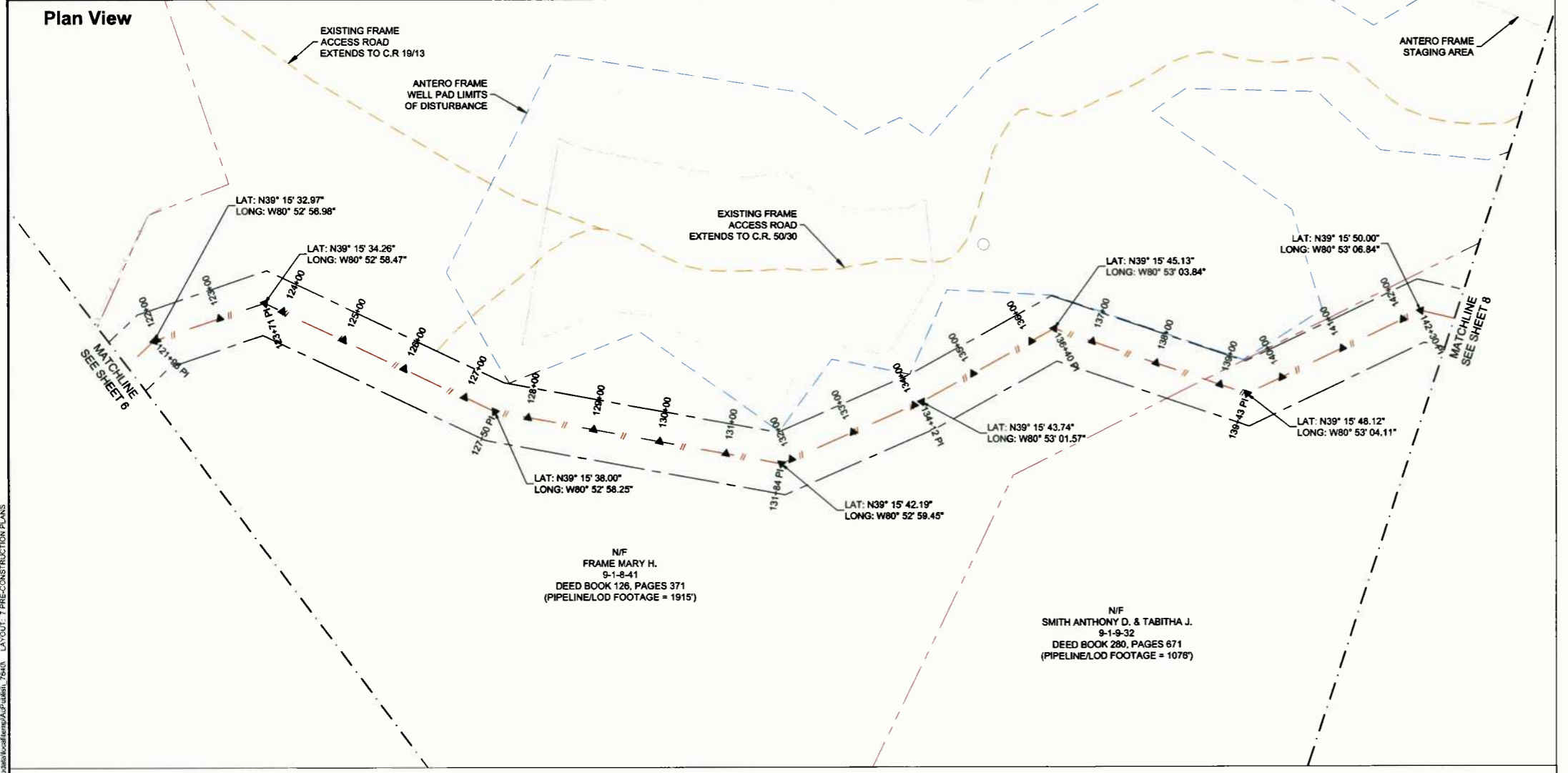
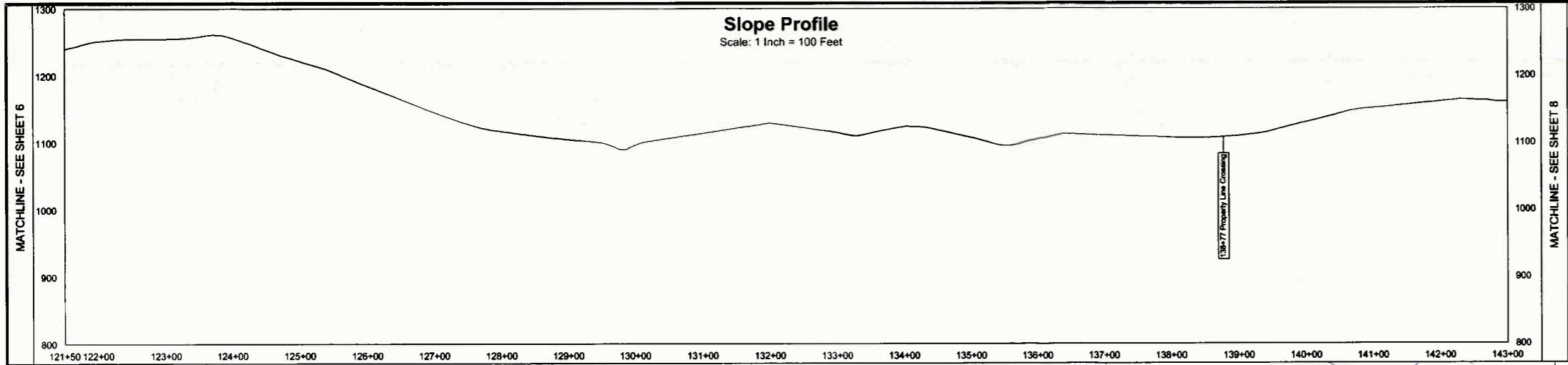
DODSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
 DODSON PIPELINE

DODDRIDGE & RITCHIE COUNTIES
 WEST VIRGINIA

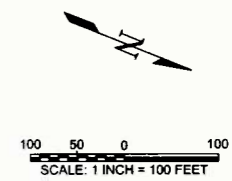
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DATE: 04-08-14
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CONSTRUCTION
6 of 11 sheets

ATTACHED IMAGES: XREF:ANTERO 11x17 TITLE BLOCK: XREF: DMSIP; Base: XREF: Dodson; Property Lines: XREF: Dodson; Stream: XREF: Dodson; Well: XREF: Dodson; Wetland: XREF: Dodson; Utility: XREF: Dodson; Access Road: XREF: Dodson; Pipeline: XREF: Dodson; Construction Plans: XREF: Dodson; Date: 04/08/14; User: CAL; Title: DODSON PIPELINE CONSTRUCTION PLANS



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DESIGNED BY: CAL
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 CHECKED BY: MDW/JBC
 DATE: 04-08-14
 SCALE:
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
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 CONSTRUCTION
7
 7 of 11 sheets



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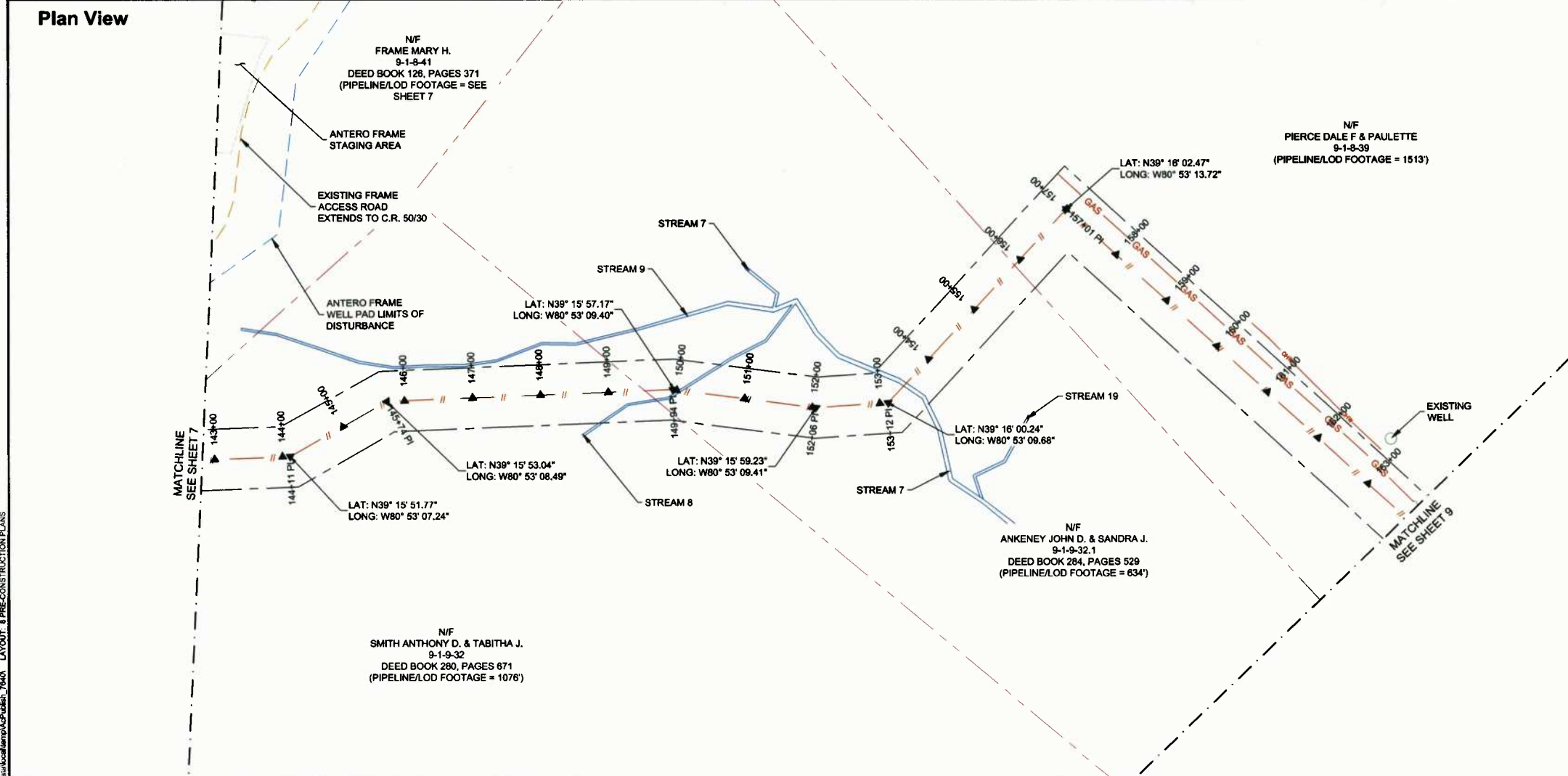
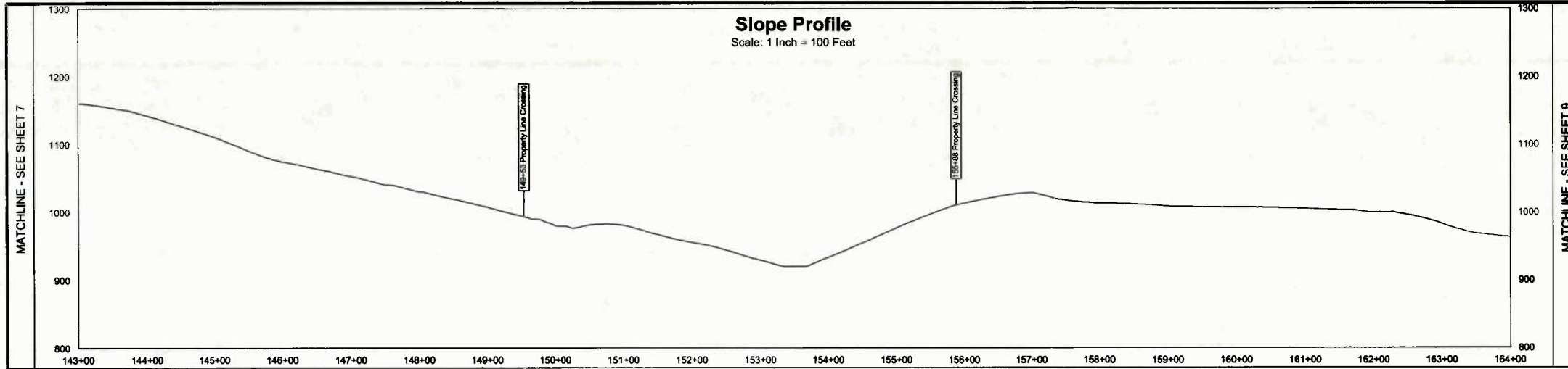
DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
 DOTSON PIPELINE

WEST VIRGINIA
 DODDRIDGE & RITCHIE COUNTIES

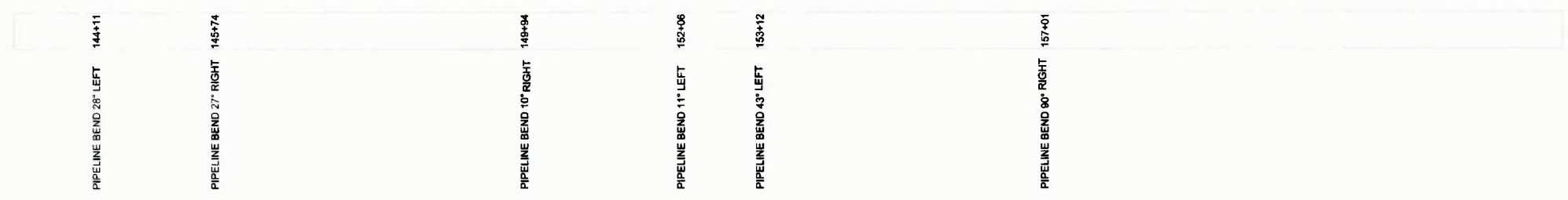
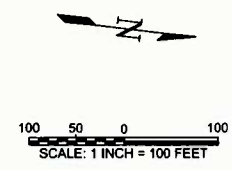
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 ATTACHED REFERENCES: XRef: C:\Users\jwoodruff\Documents\DOTSON PIPE CONSTRUCTION PLANS

PLOTTED: 08 Apr 2014, 9:36am, MWJ



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 - EXISTING DRAINAGE FEATURE
 - EXISTING WELL PAD LOD
 - EXISTING WELL PAD GRADES/PAD
 - GAS --- GAS --- EXISTING GAS PIPELINE
 - EXISTING FENCE
 - OHW --- OHW --- EXISTING OVERHEAD WIRE
 - T --- T --- EXISTING TELEPHONE LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED VALVE SITE
 - PROPOSED PIPELINE
 - EXISTING WETLAND/POND



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ACAD FILE:

DOTSON PIPELINE CONSTRUCTION PLANS

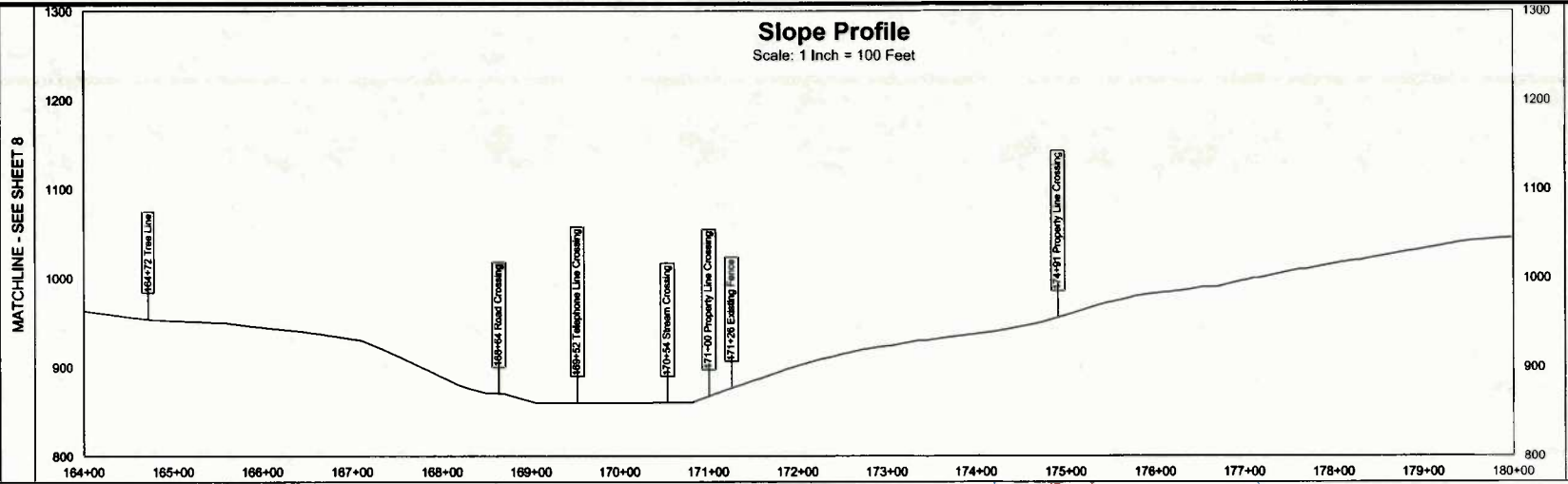
ANTERO MIDSTREAM LLC
DOTSON PIPELINE

WEST VIRGINIA
DODDRIDGE & RITCHIE COUNTIES

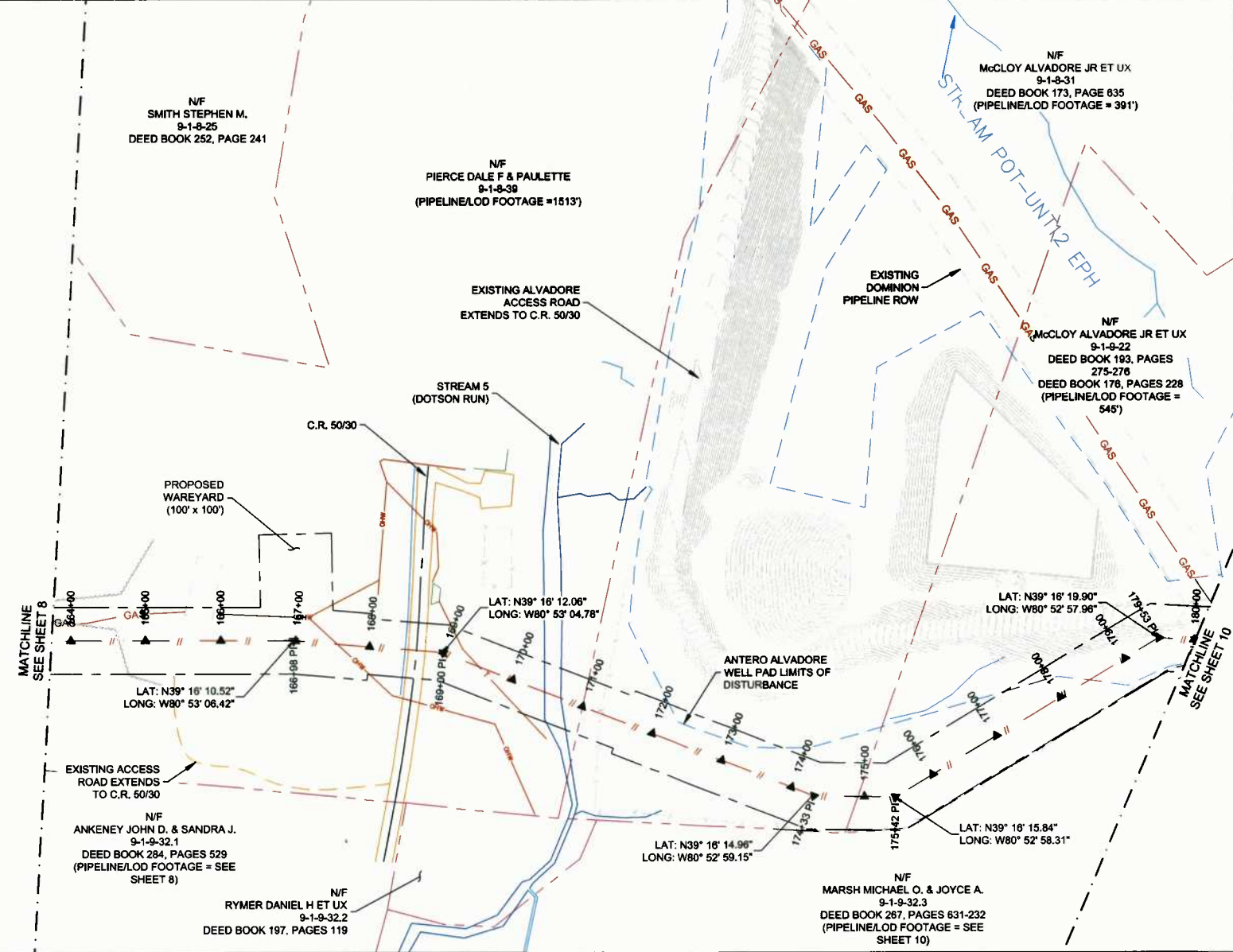
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MODIFIED BY: CAL
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DATE: 04-08-14
SCALE:
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CONSTRUCTION
8
8 of 11 sheets

ATTACHED IMAGES: XREF: ANTERO 13x17 TITLE BLOCK; XREF: DMS; Base: Xref: Dotson; Property: Lines; Xref: Dotson; Sheet: 8
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Slope Profile
Scale: 1 Inch = 100 Feet



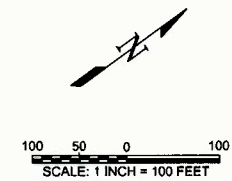
Plan View



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	PROPOSED VALVE SITE
	PROPOSED PIPELINE
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DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
DOTSON PIPELINE

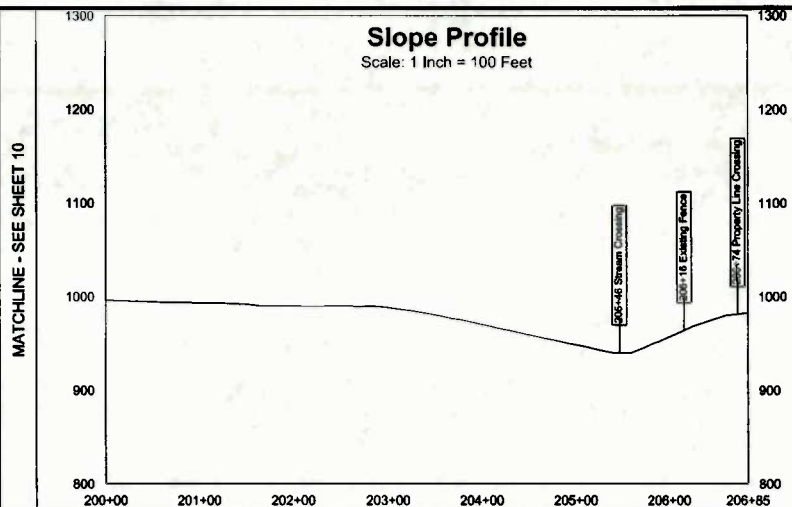
DODDRIDGE & RITCHIE COUNTIES
WEST VIRGINIA

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CONSTRUCTION

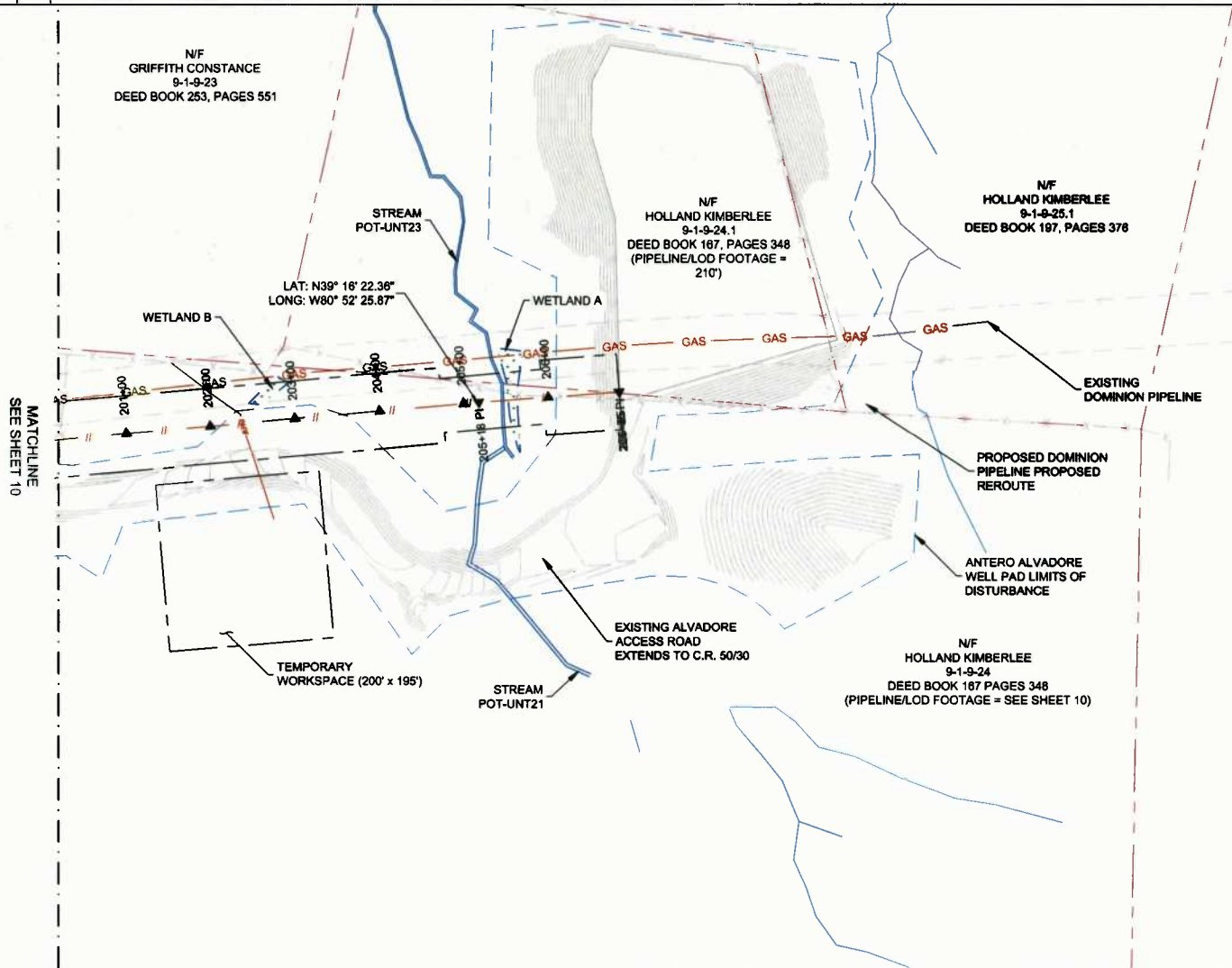
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ATTACHED REFERENCES: Xref: ANTERO 11x17 TITLE BLOCK; Xref: Dotted; Base: Xref: Dotson; Property Lines; Xref: Survey; Xref: Utility; Xref: Construction Plans

Slope Profile
Scale: 1 Inch = 100 Feet



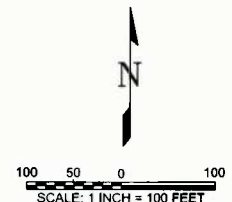
Plan View



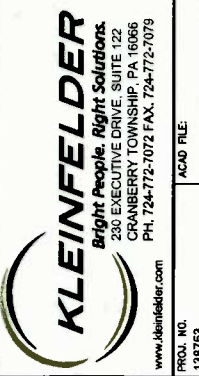
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DOTSON PIPELINE CONSTRUCTION PLANS

ANTERO MIDSTREAM LLC
DOTSON PIPELINE

DODDRIDGE & RITCHIE COUNTIES WEST VIRGINIA
PROJ. NO. 138753
ACAD FILE:

ATTACHED IMAGES: XREF: ANTERO 15x17 TITLE BLOCK; XREF: DOTSON; BASE: ANTERO DOTSON PROJECT; LINES: 2014; COLOR: 3; STYLE: CONSTRUCTION PLANS; ATTACHED XREFS: XREF: ANTERO 15x17 TITLE BLOCK; XREF: DOTSON; BASE: ANTERO DOTSON PROJECT; LINES: 2014; COLOR: 3; STYLE: CONSTRUCTION PLANS



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0 0.5 1.0 1.5 2.0
CONSTRUCTION
11
11 of 11 sheets

PLOTTED: 08 Apr 2014, 9:38am, Mjvy