

Doddridge County Sheriff
Flood Plain Ordinance Fund

1036

69-217/515

DATE August 8, 2013

PAY TO THE ORDER OF ANTERO RESOURCES

\$ 2,847.01

Two Thousand Eight Hundre Fourty-Seven Dollars and 01/100-----

DOLLARS

Security features included. Details on back.



Ralph Davidson
Beth A. Rogers

MEMO #13-048 Reimburse/NIMORWIZ East

[Signature] MP

⑈001036⑈ ⑆051502175⑆ 1196499⑈

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

The Person paying Money into the Treasury shall forthwith file one of these Receipts with the County Clerk

Doddridge County, West Virginia

No. 230

Date: August 1, 2013
Customer copy

Received: #13-048 Antero Nimorwicz East FW 1

\$2,944.22

In Payment For: 318 Building Permits (LP)

For: 12-Flood Plain Ordinance #20 Fund

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County



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

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY CLERK	45582	Jul-26-2013	34649	\$2,944.22

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
07-AP-11465	RWICZEASTFWI	07/26/13	2,944.22	0.00	2,944.22
TOTAL INVOICES PAID					2,944.22

2013 JUN 30 AM 3:56
 FRI JUN 28 2013
 10:58 AM
 2013 JUN 28 10:58 AM
 2013 JUN 28 10:58 AM

Nimorwicz East FW1 - #13-048

DETACH AND RETAIN FOR TAX PURPOSES

Doddridge County Flood Plain Refund Calculator (if not in Flood Plain)**Nimorwicz East FWI**

Estimated Construction Costs	\$288,843.00
Amount over \$100,000	\$188,843.00
Drilling Oil and Gas Well Fee	\$1,000.00
Deposit for additional charges	\$1,000.00
\$5 per \$1,000 over \$100,000	\$944.22
Amount Due with application	\$2,944.22
95% of Application Fee minus \$1,000 deposit	\$1,847.00
Cost for Permit	\$97.21
Total Refund (Includes 100% of 1,000 deposit)	\$2,847.00



July 15, 2013

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

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

Mr. Wellings:

Antero Resources Appalachian Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Nimorwicz East Centralized Impoundment. Our project is located in Doddridge County, Greenbrier District and per FIRM map #54017C0255C, this location is not within the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- FIRM Map

If you have any questions please feel free to contact me at (303) 357-6820.

Thank you in advance for your consideration.

Sincerely,

Shauna Redican
Permit Representative
Antero Resources Appalachian Corporation

Enclosures

APPROVED FOR
2013 JUL 16 AM 8:38

FILED

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.**

2013 JUL 16 AM 8:39
 DODDRIDGE COUNTY, VA
 FILED

APPLICANT'S SIGNATURE



DATE

7/15/2013

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.

Antero Resources Appalachian Corporation - Shauna Redican,
Permit Representative

APPLICANT'S NAME:

ADDRESS: 1625 17th Street, Denver, CO 80202

TELEPHONE NUMBER: Contact Shauna Redican: 303-357-6820

BUILDER'S NAME: Antero Resources Appalachian Corporation

ADDRESS: 1625 17th Street, Denver, CO 80202

TELEPHONE NUMBER: (303) 357-7310

ENGINEER'S NAME: Allegheny Surveys, Inc. - Charles K. Wilson

ADDRESS: 172 Thompson Drive, Bridgeport, WV 26330

TELEPHONE NUMBER: 304-848-5035

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) PLEASE SEE ATTACHED EXHIBIT A

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) PLEASE SEE ATTACHED EXHIBIT A

DISTRICT: Greenbrier

DATE/FROM WHOM PROPERTY

PURCHASED: N/A

LAND BOOK DESCRIPTION: PLEASE SEE ATTACHED EXHIBIT A

DEED BOOK REFERENCE: PLEASE SEE ATTACHED EXHIBIT A

TAX MAP REFERENCE: PLEASE SEE ATTACHED EXHIBIT A

EXISTING BUILDINGS/USES OF PROPERTY: N/A

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Tillman Lee Williams

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY RR 5 Box 706, Salem, WV 26426

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

B. OTHER DEVELOPMENT ACTIVITIES:

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

C. STANDARD SITE PLAN OR SKETCH

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

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

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

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

NAME: ___ N/A- Location is not within the
ADDRESS: floodplain

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

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

NAME: ___ N/A- Location is not within the
ADDRESS: floodplain

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

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

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

Nimorwicz East Fresh Water Impoundment Doddridge County Floodplain Permit – Exhibit A

Surface Owner Name	Address	Deed/Page	Tax Map/ Parcel
Tillman Lee Williams	RR5 BOX 706, Salem, WV 26426	1322/1054	341/1
Donna Nimorwicz DaChunha	2583 Double Camp Road, Salem, WV 26426	1141/1122	341/2
Robert N. Nimorwicz	Rt. 1 Box 386A, Salem, WV 26426	799/320	341/2

- (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): Shauna Redican, Permit Representative

SIGNATURE:  DATE: 7/15/2013

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: 255
 Dated: 10/04/2011

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

Don Williams

DATE

07/31/2013

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** _____

CLEARING & GRUBBING; EROSION & SEDIMENT CONTROLS

Nimorwicz East FWI

	QUANTITY	UNIT		
MOBILIZATION	1.0	EA	\$19,140.00	\$19,140.00
CONSTRUCTION ENTRANCE	0.0	EA	\$3,172.76	\$0.00
CLEARING & GRUBBING	7.50	AC	\$4,513.25	\$33,849.38
TREE REMOVAL	4.10	AC	\$2,953.00	\$12,107.30
8" COMPOST FILTER SOCK	0	LF	\$2.83	\$0.00
12" COMPOST FILTER SOCK	630	LF	\$3.82	\$2,406.60
18" COMPOST FILTER SOCK	0	LF	\$7.94	\$0.00
24" COMPOST FILTER SOCK	500	LF	\$9.23	\$4,615.00
32" COMPOST FILTER SOCK	1,300	LF	\$14.00	\$18,200.00
JUTE MATTING - SLOPE MATTING	8,000	SY	\$2.13	\$17,040.00
SUPER SILT FENCE	780	LF	\$8.48	\$6,614.40
9" STRAW WATTLES	2,555	LF	\$3.11	\$7,946.05
TOTAL				\$121,918.73

SITE

	QUANTITY	UNIT		
DRILL PAD EXCAVATION	0	CY	\$3.75	\$0.00
ACCESS ROADS EXCAVATION	0	CY	\$4.16	\$0.00
TANK PAD and/or FRAC PIT EXCAVATION (EAST IMPOUNDMENT)	31,694	CY	\$4.13	\$130,896.22
OFFLOAD PAD	0	CY	\$7.00	\$0.00
SPOIL PAD	795	CY	\$3.84	\$3,052.80
TOPSOIL	2,500	CY	\$4.13	\$10,325.00
DIVERSION DITCH	0	LF	\$4.09	\$0.00
ROADSIDE DITCH	0	LF	\$4.50	\$0.00
TOTAL			\$3.99	\$144,274.02

SUMP(S) PER ANTERO RESOURCES STANDARD DETAIL

	QUANTITY	UNIT		
INSTALL 102" x 78" x 44" PRE CAST SUMP	0	EA	\$844.22	\$0.00
VALVE BOX HDPE PIPE (MINIMUM 12" DIAMETER x 48" HEIGHT)	0	EA	\$545.50	\$0.00
4" PVC CONNECTIVE PIPE (ANTERO SUMP DRAIN DETAIL)	0	LF	\$9.42	\$0.00
TOTAL				\$0.00

FENCING/GATES

	QUANTITY	UNIT		
4 FT WOVEN WIRE FARM FENCE w/MINIMUM 10 FT POST SPACING (WOODEN and/or "T" POST)	1,300	LF	\$16.50	\$21,450.00
16 FT DOUBLE GATE	1	EA	\$1,200.00	\$1,200.00
TOTAL				\$22,650.00

SEEDING

	QUANTITY	UNIT		
SITE SEEDING (LIME, FERTILIZER, SEEDING, AND HYDRO-MULCH w/TACK (HYC-2 OR EQUAL))	8.0	AC		\$0.00
TOTAL			\$3,301.25	\$0.00

UNFORESEEN SITE CONDITIONS

	QUANTITY	UNIT		
*ROCK CLAUSE - BLASTING	0.0	CY	\$3.27	\$0.00
*ROCK CLAUSE - HOE RAMMING	0.0	CY	\$11.35	\$0.00
*FRENCH DRAINS	0.0	FT	\$10.93	\$0.00
*ORANGE SAFETY FENCE w/"T" POST (10FT CENTERS) - WETLAND PROTECTION	0.0	LF	\$10.60	\$0.00
*STEEL PANELS w/"T" POST (10 FT CENTERS) - WETLAND PROTECTION	0.0	LF	\$6.35	\$0.00
*SILT FENCE	0.0	LF	\$4.00	\$0.00
*TEMPORARY SEEDING	0.0	AC	\$2.67	\$0.00
*CONSTRUCTION STAKEOUT	0.0	hour	\$1,962.50	\$0.00
* JUTE MATTING - SLOPE MATTING	0.0	SY	\$2.13	\$0.00
TOTAL				\$0.00

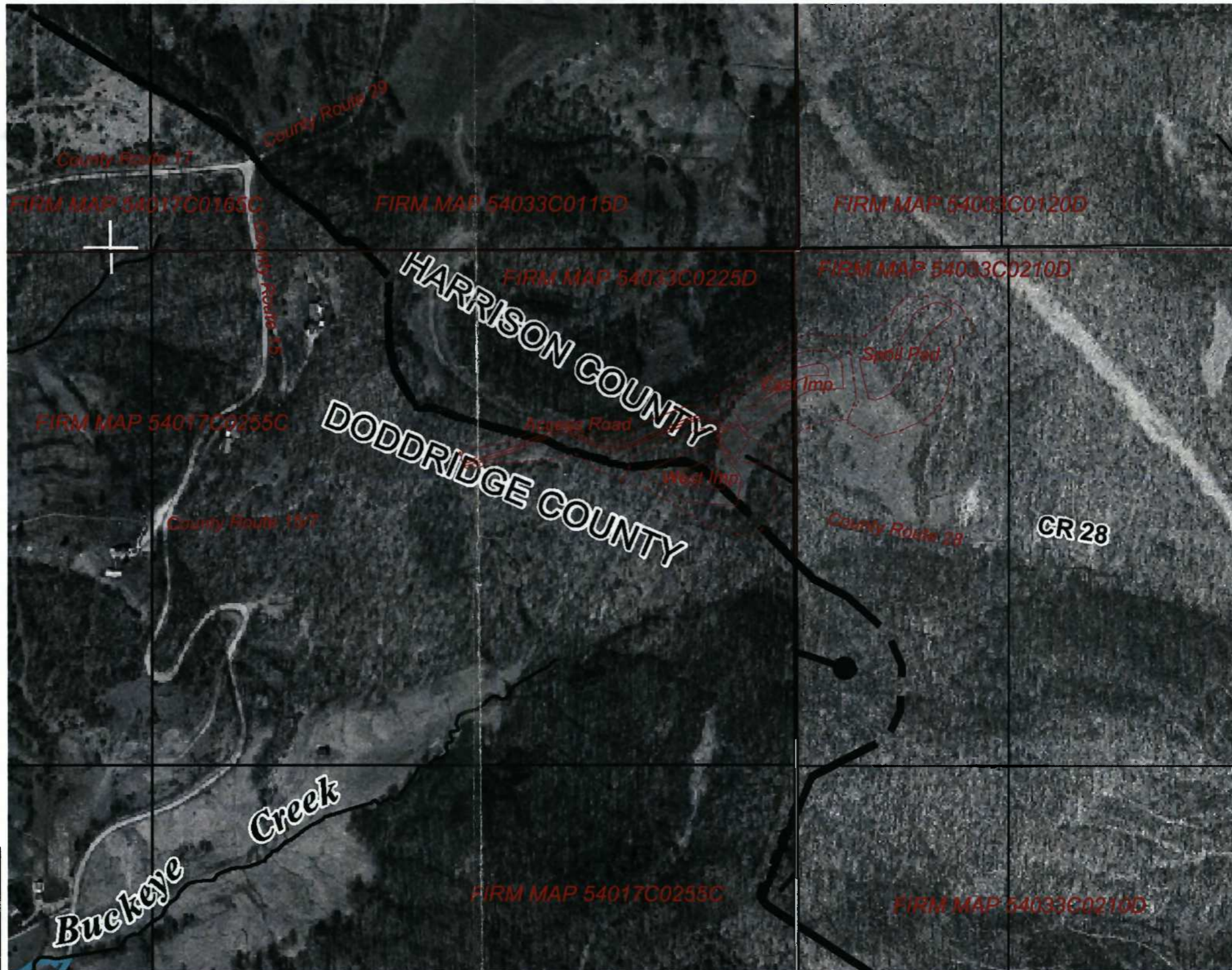
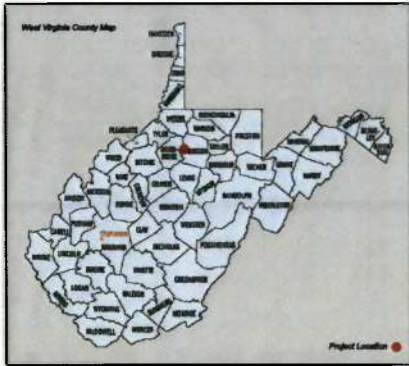
GRAND TOTAL

\$288,842.75

NIMORWICZ WEST & EAST CENTRALIZED FRESH WATER IMPOUNDMENTS

PROJECT LOD OVER FEMA FIRM MAP 54017C0255C (DODDRIDGE CO.) / 54033C0225D & 54033C0210D (HARRISON CO.)

ANTERO RESOURCES CORPORATION



SITE LOCATIONS			
NAD 83			
Beginn. Access Road (UTM Meters)	N=4344358.28 m	E=537349.30 m	
Center of West Impoundment (UTM Meters)	N=4344347.07 m	E=537626.99 m	
Center of East Impoundment (UTM Meters)	N=4344464.38 m	E=537730.97 m	
	LATITUDE	LONGITUDE	
Beginn. Access Road	39.247740	-80.567161	
West Impoundment	39.247626	-80.563944	
East Impoundment	39.248678	-80.562732	

GREENBRIER DISTRICT - DODDRIDGE COUNTY, WV
 TENMILE DISTRICT - HARRISON COUNTY, WV
 HEADWATERS MIDDLE ISLAND CREEK / BUCKEYE CREEK WATERSHED (DODDRIDGE CO.)
 TENMILE CREEK / SALEM FORK WATERSHED (HARRISON CO.)

FLOODPLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	NO
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N / A
FLOODPLAIN SHOWN ON DRAWINGS:	N / A
FIRM MAP NUMBER(S) FOR SITE:	54017C0255C (Doddridge Co.) / 54033C0225D (Harrison Co.) 54033C0210D (Harrison Co.)
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N / A



Allegheny Surveys, Inc.
 172 Thompson Drive
 Bridgeport, WV 26330
 (304) 848-5035

L&W ENTERPRISES, INC.

PO BOX 826
 14 SOUTH GROVE ST.
 PETERSBURG, WV 26647
 PH: 304-237-4818
 FAX: 304-237-2324
 EMAIL: KIRK@CITILINK.NET



THIS DOCUMENT
 PREPARED FOR
 ANTERO RESOURCES
 CORPORATION

PROJECT LOD OVER FEMA FIRM MAP
 54017C0255C (DODDRIDGE CO.) /
 54033C0225D & 54033C0210D (HARRISON CO.)
**NIMORWICZ WEST & EAST
 FRESH WATER IMPOUNDMENTS**
 GREENBRIER DISTRICT - DODDRIDGE COUNTY, WV
 TENMILE DISTRICT - HARRISON COUNTY, WV

Date: 6/21/13

Scale: 1" = 200'

Designed By: CKW/CKM

File No. Antero 226-12

Page 1 of 1