

14-148

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

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

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

APPLICANT'S SIGNATURE _____



DATE _____

2-17-14

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 17th Street, Denver, CO 80202

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

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

ENGINEER'S NAME: Allegheny Surveys, Inc.
ADDRESS: 172 Thompson Drive, Bridgeport, WV 26330
TELEPHONE NUMBER: 304-848-5035

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Richard E. & Wilma J. Marsden

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) 3107 E. Nance St, Mesa, AZ 85213; 3341 E. Jacaranda Cr, Mesa, AZ 85213 (second address)

DISTRICT: Greenbrier

DATE/FROM WHOM PROPERTY PURCHASED: N/A

LAND BOOK DESCRIPTION:

DEED BOOK REFERENCE: DB 229/PG 54

TAX MAP REFERENCE: Tax Map 4/Parcel 16

EXISTING BUILDINGS/USES OF PROPERTY: N/A

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

C. STANDARD SITE PLAN OR SKETCH

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

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

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

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

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

NAME: _____
 ADDRESS: _____

NAME: _____
 ADDRESS: _____

NAME: _____
 ADDRESS: _____

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

NAME: N/A
 ADDRESS: _____

NAME: _____
 ADDRESS: _____

NAME: _____
 ADDRESS: _____

NAME: _____
 ADDRESS: _____

E. CONFIRMATION FORM

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

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

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

NAME (PRINT): Randy Klobberdanz

SIGNATURE: *RK* DATE: 2-17-14

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 Ralph Dando

DATE 3-7-14

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** _____

WV Flood Map

Marsden Pad

Center of Pad:
80.598590 W,
39.247098 N



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 1/17/2014



Location of the mouse click



Flood Hazard Zone
(1% annual chance floodplain)

User Notes:

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 is supported by FEMA, WV NFIP Office, and WV GIS Technical Center
(<http://www.MapWV.gov/flood>)

Flood Hazard Area: Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood hazard areas may be present.

Elevation: About 977 feet

Location (long, lat): 80.598590 W, 39.247098 N

Location (UTM 17N): (534638, 4344275)

FEMA Issued Flood Map: 54017C0255C

Contacts: Doddridge County

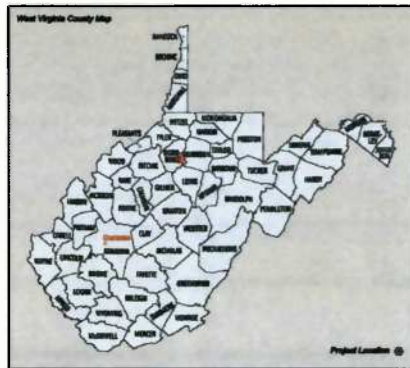
CRS Information: No CRS information available

Parcel Number:

MARSDEN PAD

SITE DESIGN, CONSTRUCTION PLAN, & EROSION & SEDIMENT CONTROL PLANS

ANTERO RESOURCES APPALACHIAN CORPORATION



Well Table			
Prop. Well Floate Unit 2H WV-N NAD27 N: 273672.84 WV-N NAD27 E: 1088843.82 LAT NAD27: 38°14'48.1781" LON NAD27: 80°38'58.2298" LAT NAD83: 38°14'48.4900" LON NAD83: 80°38'58.6542"	Prop. Well Floate Unit 1H WV-N NAD27 N: 273878.84 WV-N NAD27 E: 1088838.49 LAT NAD27: 38°14'48.2400" LON NAD27: 80°38'58.3804" LAT NAD83: 38°14'48.6900" LON NAD83: 80°38'58.7447"	Prop. Well Perkins Unit 1H WV-N NAD27 N: 273967.05 WV-N NAD27 E: 1088825.46 LAT NAD27: 38°14'48.3148" LON NAD27: 80°38'58.4600" LAT NAD83: 38°14'48.6900" LON NAD83: 80°38'58.6302"	Prop. Well Golden Unit 2H WV-N NAD27 N: 273894.16 WV-N NAD27 E: 1088822.42 LAT NAD27: 38°14'48.2842" LON NAD27: 80°38'58.5714" LAT NAD83: 38°14'48.6900" LON NAD83: 80°38'58.9237"
Prop. Well Golden Unit 1H WV-N NAD27 N: 274021.27 WV-N NAD27 E: 1088836.38 LAT NAD27: 38°14'48.4538" LON NAD27: 80°38'58.6918" LAT NAD83: 38°14'48.7887" LON NAD83: 80°38'58.8122"	Prop. Well Walling Unit 2H WV-N NAD27 N: 274028.38 WV-N NAD27 E: 1088836.38 LAT NAD27: 38°14'48.6232" LON NAD27: 80°38'58.7524" LAT NAD83: 38°14'48.8387" LON NAD83: 80°38'58.1097"	Prop. Well Walling Unit 1H WV-N NAD27 N: 274016.49 WV-N NAD27 E: 1088831.33 LAT NAD27: 38°14'48.8828" LON NAD27: 80°38'58.8429" LAT NAD83: 38°14'48.9771" LON NAD83: 80°38'58.1872"	Prop. Well White Unit 1H WV-N NAD27 N: 274022.69 WV-N NAD27 E: 1088834.39 LAT NAD27: 38°14'48.8520" LON NAD27: 80°38'58.8333" LAT NAD83: 38°14'48.9788" LON NAD83: 80°38'58.2877"

Project Contacts

Antero Resources
Tom Wince - Construction Manager
304-889-3405 Off. 304-483-0933 Cell

Mike Ash - Survey Coordinator
304-380-8181 Cell

Roger Dunlap - Survey Coordinator
304-651-5588

Ell Wagoner, Environmental Engineer
304-622-3842, ext 311 Off. 304-476-9770 Cell

John Kawcak, Engineer
817-368-1553

Dusty Woods
817-771-1436

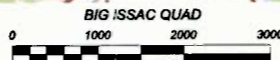
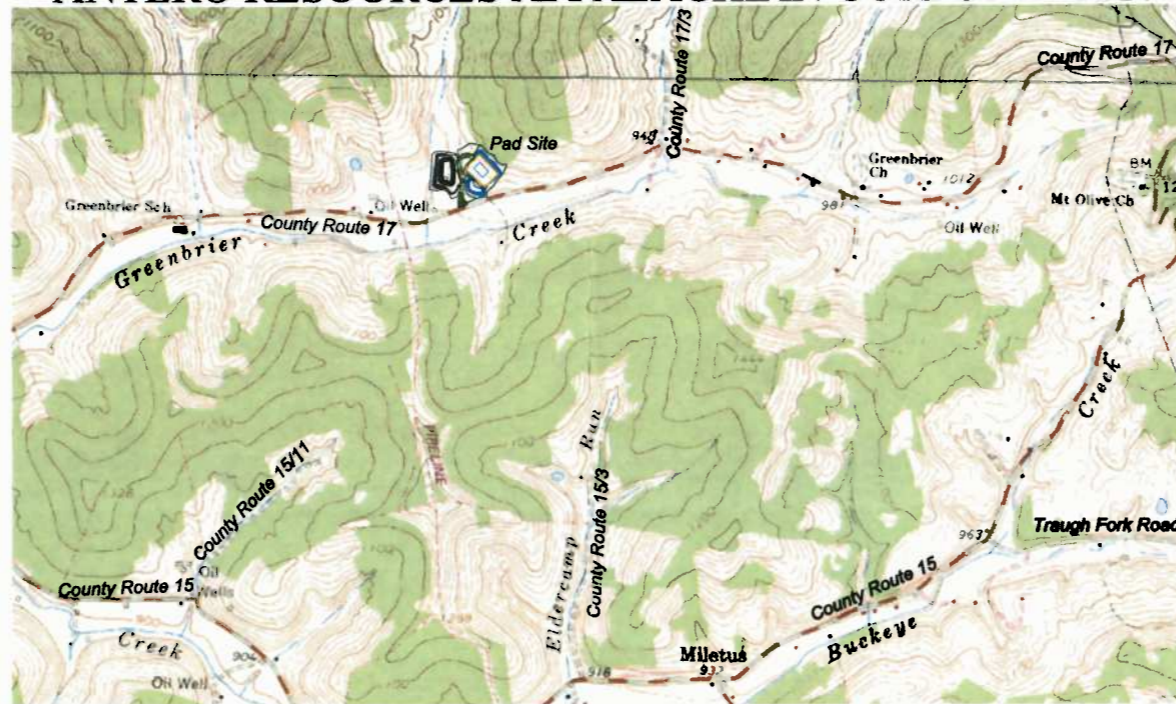
Aaron Kunzler, Construction Supervisor
405-227-8344

Anthony Smith, Field Engineer
304-889-3405 Off. 304-673-6196 Cell

Surveyor & Engineer

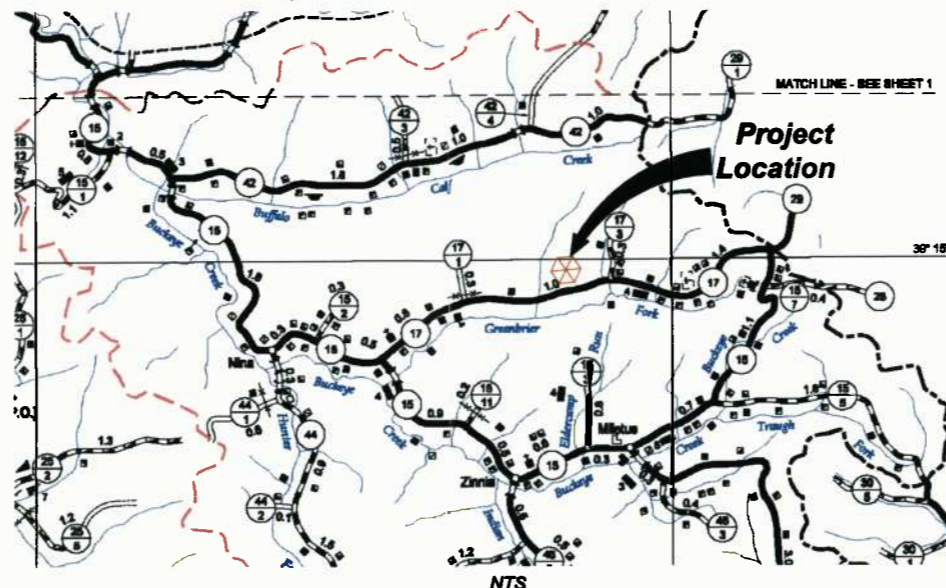
Bill Yetzer, PS, EI - Allegheny Surveys Inc.
304-848-5035 Off. 304-619-4937 Cell

Kirk Wilson, PE - L&W Enterprises, Inc.
304-257-4818 Off. 304-688-0365 Cell



SITE LOCATIONS		
	NAD 83	LONGITUDE
Center of Pad (RTM Method)	N=4344274.9 m	E=434637.6 m
Center of Pad	39.2470998	-80.5985902
Begin Access Road	39.2456901	-80.5994374

GREENBRIER DISTRICT
DODDRIDGE COUNTY, WV
UPPER MIDDLE ISLAND CREEK WATERSHED



West Virginia State Plane Coordinate System
North Zone, NAD27
Elevations Based on NAVD88
Established By Survey Grade GPS & OPUS Post-Processing

Property Owner Information - Marsden Pad					
Greenbrier District - Doddridge County					
Owner	TM/Parcel	Deed/Page	Total Acres	Type of Disturbance	Acres
Richard E. Marsden, et ux	4/16	229/54	386	Road A	1.45
				Equipment Parking	0.51
				Drill Pad	3.32
				Spoil Pad	0.85
				Total	6.13
				Grand Total	6.13

Marsden Pad Quantities						
Description	Cut (CY)	Fill (CY)	Spoil (CY)	Storm (CY)	Max. Slope	Length of Slope
Road A	1,451	927	984	n/a	18.0%	50 feet
Drill Pad	34,084	5,037	29,067	n/a	n/a	n/a
Spoil Pad	0	5,762	n/a	5,762	n/a	n/a
Totals	35,535	11,746	30,051	5,762	n/a	n/a
	Total Spoil (CY) =		24,289	To Marsden Pw		

Ephemeral Stream Impact (linear feet)	
UNT 7 (Access Road A)	28
UNT 8 (Access Road A)	99
Total	127

PEM Wetland Impact (Acres)	
Wetland 1 (Access Road A)	0.02

LOD Area (ac)	
Road A (750 Feet)	1.45
Equipment Parking	0.51
Drill Pad	3.32
Spoil Pad	0.85
Total Affected Area	6.13
Total Wooded Acres Disturbed	0.85
Total Linear Feet of Access Road	750 Feet

Well Location Restrictions:

All Drill Pad construction complies with the following restrictions.

- * 250' from an existing well or developed spring used for human or domestic animals.
- * 625' from occupied dwelling or barn greater than 2500 SF used for poultry or dairy measured from the center of the pad.
- * Army Corps. of Engineers 404/401 Permits required for Impacted Wetlands.
- * 300' from edge of disturbance to a naturally reproducing trout stream.
- * 1000' of a surface or ground water intake to a public water supply.

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
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N/A

MISS Utility of West Virginia
1-800-245-4848
West Virginia State Law
(Section XIV: Chapter 24-C)
Requires that you call two
business days before you dig in
the state of West Virginia.
IT'S THE LAW!!



Know what's below.
Call before you dig.

DRAWING INDEX

- 1 COVER SHEET/LOCATION MAP
- 2 SCHEDULE OF QUANTITIES
- 3 CONSTRUCTION, EROSION, & SEDIMENT CONTROL NOTES
- 4 EXISTING CONDITIONS
- 5 SITE PLAN
- 6 DRILL PAD AND SPOIL PAD PROFILE & CROSS SECTIONS
- 7 ACCESS ROAD A PROFILE
- 8 ACCESS ROAD A CROSS SECTIONS
- 9 DETAILS
- 10 RECLAMATION PLAN

DATE	REVISIONS
10-8-12	Revised Well Configuration
1-23-13	Revised For Pad Only



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



L&W ENTERPRISES, INC.
PO BOX 628
PETERSBURG, WV 25447
EMAIL: KIRK@LWENT.COM



ANTERO
RESOURCES

THIS DOCUMENT
PREPARED FOR
ANTERO RESOURCES
APPALACHIAN CORP

COVER SHEET/LOCATION MAP
MARSDEN PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WV

Date: 4/19/12
Scale: N/A
Designed By: CKW/CKM
File No. Antero 32-12
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