

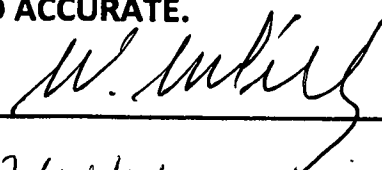
#14-142

# 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 \_\_\_\_\_

2/14/14

## 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: \_\_\_\_\_

Ward McNelly - VP of engineering

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)** John F. Erwin

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)**  
12222 WV Route 18 S, New Milton WV 26411

**DISTRICT:** New Milton

**DATE/FROM WHOM PROPERTY PURCHASED:** N/A

**LAND BOOK DESCRIPTION:** 104 Acres and 79.3 Acres

**DEED BOOK REFERENCE:** DB 166/465 & 164/32

**TAX MAP REFERENCE:** Tax Map 19/ Parcel 11 & 12

**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 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 Alteration (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)
- 

**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 \$** <sup>N/A - Location is not within</sup> <sub>-the floodplain</sub>

**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 immediate and common boundary  
**ADDRESS:** 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): Wald McNeilly  
 SIGNATURE: *W. McNeilly* DATE: 2/14/14

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 Danks

DATE 3-10-14

**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

## Erwin Valley Pad

Center of Pad:  
80.6951826 W,  
39.1522679 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 1/14/2014



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](http://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 1254 feet

**Location (long, lat):** 80.695183 W, 39.152268 N

**Location (UTM 17N):** (526338, 4333718)

**FEMA Issued Flood Map:** 54017C0250C

**Contacts:** Doddridge County

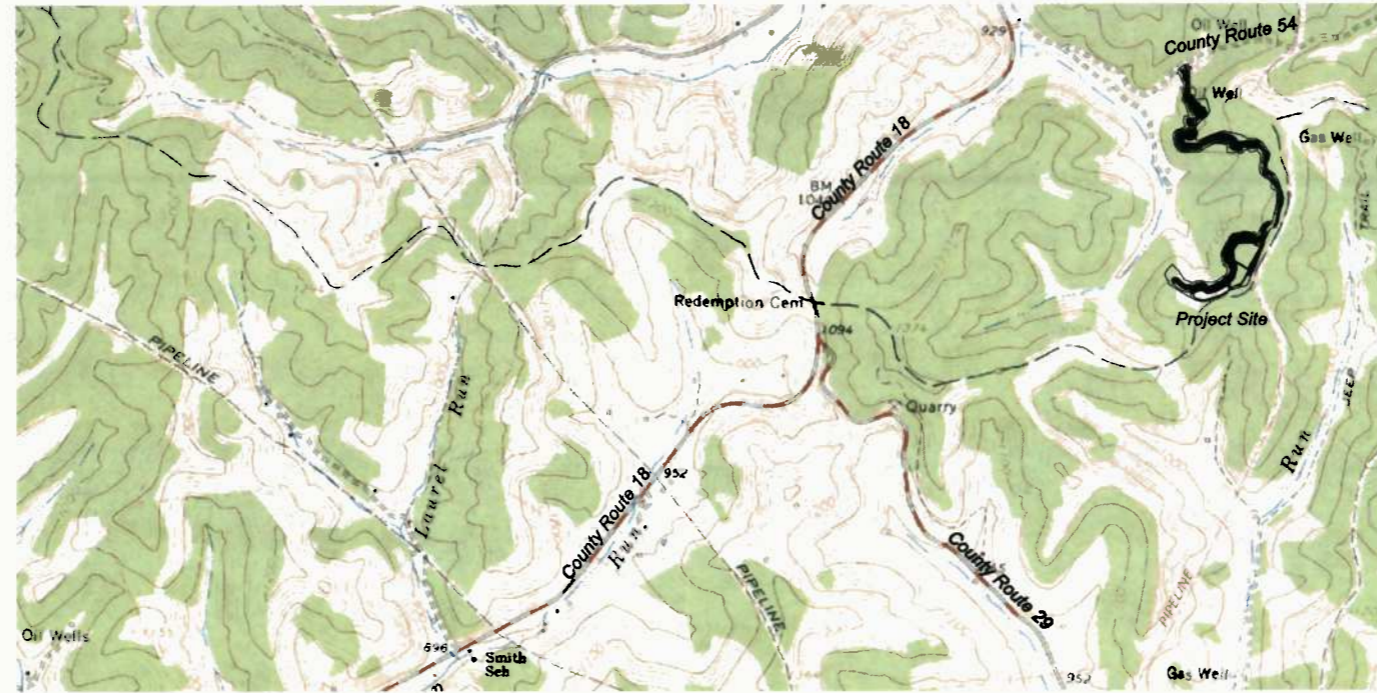
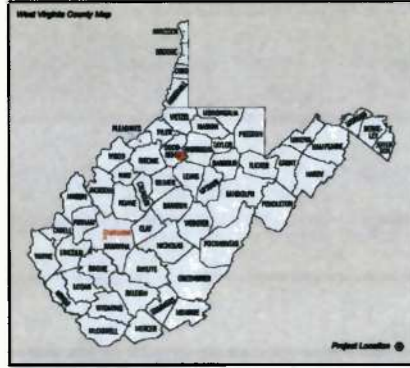
**CRS Information:** No CRS information available

**Parcel Number:**

# ERWIN VALLEY PAD

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

### ANTERO RESOURCES APPALACHIAN CORPORATION



Well Table		
<b>Proposed Well Ruckman Unit 1H</b> WV-N NAD27 N: 239788.12 WV-N NAD27 E: 1681008.71 LAT NAD27: 39°09'07.8018" LON NAD27: 80°41'43.3288" LAT NAD83: 39°09'08.1182" LON NAD83: 80°41'42.6913"	<b>Proposed Well Ruckman Unit 2H</b> WV-N NAD27 N: 239796.75 WV-N NAD27 E: 1681011.76 LAT NAD27: 39°09'07.9877" LON NAD27: 80°41'43.2682" LAT NAD83: 39°09'08.2042" LON NAD83: 80°41'42.9289"	<b>Proposed Well Ruckman Unit 3H</b> WV-N NAD27 N: 239805.38 WV-N NAD27 E: 1681016.81 LAT NAD27: 39°09'07.9737" LON NAD27: 80°41'43.2038" LAT NAD83: 39°09'08.2502" LON NAD83: 80°41'42.8660"
<b>Proposed Well Droppelman Unit 1H</b> WV-N NAD27 N: 239779.49 WV-N NAD27 E: 1681001.88 LAT NAD27: 39°09'07.7158" LON NAD27: 80°41'43.3915" LAT NAD83: 39°09'08.0322" LON NAD83: 80°41'42.7539"	<b>Proposed Well Lawhead Unit 2H</b> WV-N NAD27 N: 239770.99 WV-N NAD27 E: 1680998.81 LAT NAD27: 39°09'07.8298" LON NAD27: 80°41'43.4541" LAT NAD83: 39°09'07.9463" LON NAD83: 80°41'42.8165"	<b>Proposed Well Lawhead Unit 1H</b> WV-N NAD27 N: 239762.23 WV-N NAD27 E: 1680991.58 LAT NAD27: 39°09'07.6438" LON NAD27: 80°41'43.5187" LAT NAD83: 39°09'07.8603" LON NAD83: 80°41'42.8792"

**Project Contacts**

**Antero Resources**

Tom Wince - Construction  
304-869-3405 Off. 304-483-0933 Cell

Eli 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  
304-869-3405 Off. 304-673-6196 Cell

**Surveyor & Engineer**

Bill Yeltzer, P.S., E.I. - 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

**Well Location Restrictions:**

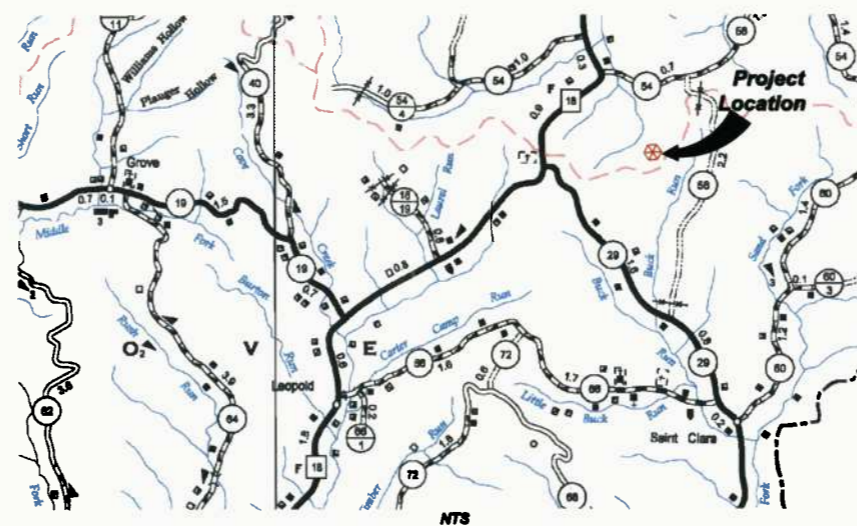
All Pad and Fracture Pit construction complies with the following restrictions.

- \* 250' from an existing well or developed spring used for human or domestic animals.
- \* 825' from occupied dwelling or barn greater than 2500 SF used for poultry or dairy measured from the center of the pad.
- \* 100' from edge of disturbance to wetlands, perennial streams, natural or artificial lake, pond or reservoir.
- \* 300' from edge of disturbance to a naturally reproducing trout stream.
- \* 1000' of a surface or ground water intake to a public water supply.



SITE LOCATIONS NAD 83		
	LATITUDE	LONGITUDE
Center of Pad (UTM Meters)	N=4337118.4 m	E=526338.0 m
Center of Pad	39.1322879	-80.6851828
Beginn Access Road	39.1582395	-80.6977842

NEW MILTON DISTRICT  
DODDRIDGE COUNTY, WV  
UPPER MIDDLE ISLAND CREEK



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:	54017C0250C
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.**

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

AFFECTED TAX PARCELS: 19/11 and 19/12  
NEW MILTON DISTRICT

TM 19 - Pct. 11 & 12  
John F. Erwin  
DB 166/465 & 164/32  
104 Acres & 79.3 Acres

(Affected area from Proposed Access Road A = 9.68 Acres, 3,434 ft of RD A)  
(Affected area from Proposed Drill Pad = 3.43 Acres)  
(Affected area from Proposed Water Tank Storage Pad 1 = 1.66 Acres)  
(Affected area from Proposed Water Tank Storage Pad 2 = 2.05 Acres)  
(Affected area from Proposed Spoil Pad = 1.34 Acres)

LOD Area (ac)	
Access Road A (3,434 ft)	9.68
Drill Pad	3.43
Water Tank Storage Pad 1	1.66
Water Tank Storage Pad 2	2.05
Spoil Pad	1.34
<b>Total Affected Area</b>	<b>18.16</b>
<b>Total Wooded Acres Disturbed</b>	<b>16.97</b>
<b>Total Linear Feet of Access Road</b>	<b>3,743</b>

Ephemeral Stream Impact (linear feet)	
UNT 1 (RD A)	120
UNT 10 (RD A)	165
UNT 11 (RD A)	75
UNT 14 (RD A)	210
UNT 15 (RD A)	200
UNT 16 (RD A)	90
<b>Total</b>	<b>860</b>

**DRAWING INDEX**

- 1 COVER SHEET/LOCATION MAP
- 2 SCHEDULE OF QUANTITIES
- 3 CONSTRUCTION, EROSION, & SEDIMENT CONTROL NOTES
- 4 EXISTING CONDITIONS
- 5-8 SITE PLANS
- 9 DRILL PAD/WATER TANK 1 PROFILE & CROSS SECTIONS
- 10 WATER TANK STORAGE 2 / SPOIL PAD PROFILE AND CROSS SECTIONS
- 11 ACCESS ROAD A PROFILE
- 12-14 ACCESS ROAD A CROSS SECTIONS
- 15 DETAILS
- 16 RECLAMATION PLAN

DATE	REVISIONS	
5-10-12	Revisions to Brush Storage (Sheets 1, 2, 3, and 8)	Date: 4/4/12
6-22-12	Removed UNT 13 Per US COE (Sheets, 1, 4, 6)	Scale: N/A
7/16/12	Revised Road B to Tank Pad A	Designed By: CKW/CKM
7/23/12	Revised Drill Pad to Remove Gabion Walls	File No. Antero 264-11
9/4/12	Revised Well Configuration to Single Line	Page 1 of 16



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



L&W ENTERPRISES, INC.  
P.O. BOX 826  
14 SOUTH GARDNER ST.  
PETERSBURG, WV 25847



**ANTERO  
RESOURCES**

THIS DOCUMENT  
PREPARED FOR  
ANTERO RESOURCES  
APPALACHIAN CORP

COVER SHEET/LOCATION MAP  
**ERWIN VALLEY PAD**  
NEW MILTON DISTRICT  
DODDRIDGE COUNTY, WV