

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to **Antero Resources**, 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: #14-258 ~ Antero Resources ~ Alexander Well & Water Containment Pad

Date Approved: 08/14/2014

Expires: N/A

Issued to: Antero Resources

**POC: Emily Kijowski
303-357-7310**

**Company Address: 1615 Wynkoop Street
Denver, CO 80202**

Project Address: West Union District

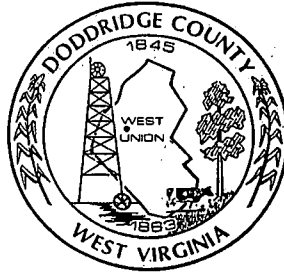
Lat/Long: 39.335836N/80.775469W

Purpose of development: Well & water containment pad construction. Project does not impact floodplain.

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

Date: 08/14/2014

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



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#14-258



Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

August 11, 2014

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

Mr. Wriston:

Antero Resources Appalachian Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Alexander Well and Water Containment Pad. Our project is located in Doddridge County, West Union District and per FIRM map #54017C0110C, this location is not within the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- Alexander Construction Plans
- FIRM Map
- WV Flood Tool Map

If you have any questions please feel free to contact me at (303) 357-7232.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Emily Kijowski".

Emily Kijowski
Permit Representative
Antero Resources Appalachian Corporation

Enclosures

FILED
2014 AUG 13 PM 2:10
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

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 August 11, 2014

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 Midstream LLC - Randy Kloberdanz,

ADDRESS: 1615 Wynkoop Street, Denver, CO 80202

TELEPHONE NUMBER: Contact Emily Kijowski: (303)-357-7232

BUILDER'S NAME: Antero Midstream LLC
ADDRESS: 1615 Wynkoop Strett, Denver, CO 80202
TELEPHONE NUMBER: (303)-357-7310

ENGINEER'S NAME: Kleinfelder
ADDRESS: 230 Executive Drive, Suite 122, Cranberry Township, PA 16066
TELEPHONE NUMBER: (304)-624-4108

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Surface Owner Table

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Surface Owner Table

DISTRICT: _____

DATE/FROM WHOM PROPERTY

PURCHASED: _____

LAND BOOK DESCRIPTION: Please see Surface Owner Table

DEED BOOK REFERENCE: Please see Surface Owner Table

TAX MAP REFERENCE: Please see Surface Owner Table

EXISTING BUILDINGS/USES OF PROPERTY: None

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Please see Surface Owner Table

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Please see Surface Owner Table

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:

- | | | | | | | | |
|--------------------------|------|--------------------------|--------|--------------------------|----------|--------------------------|------------|
| <input type="checkbox"/> | Fill | <input type="checkbox"/> | Mining | <input type="checkbox"/> | Drilling | <input type="checkbox"/> | 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-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: _____

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): DK

SIGNATURE: _____ DATE: August 11, 2014

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: _____

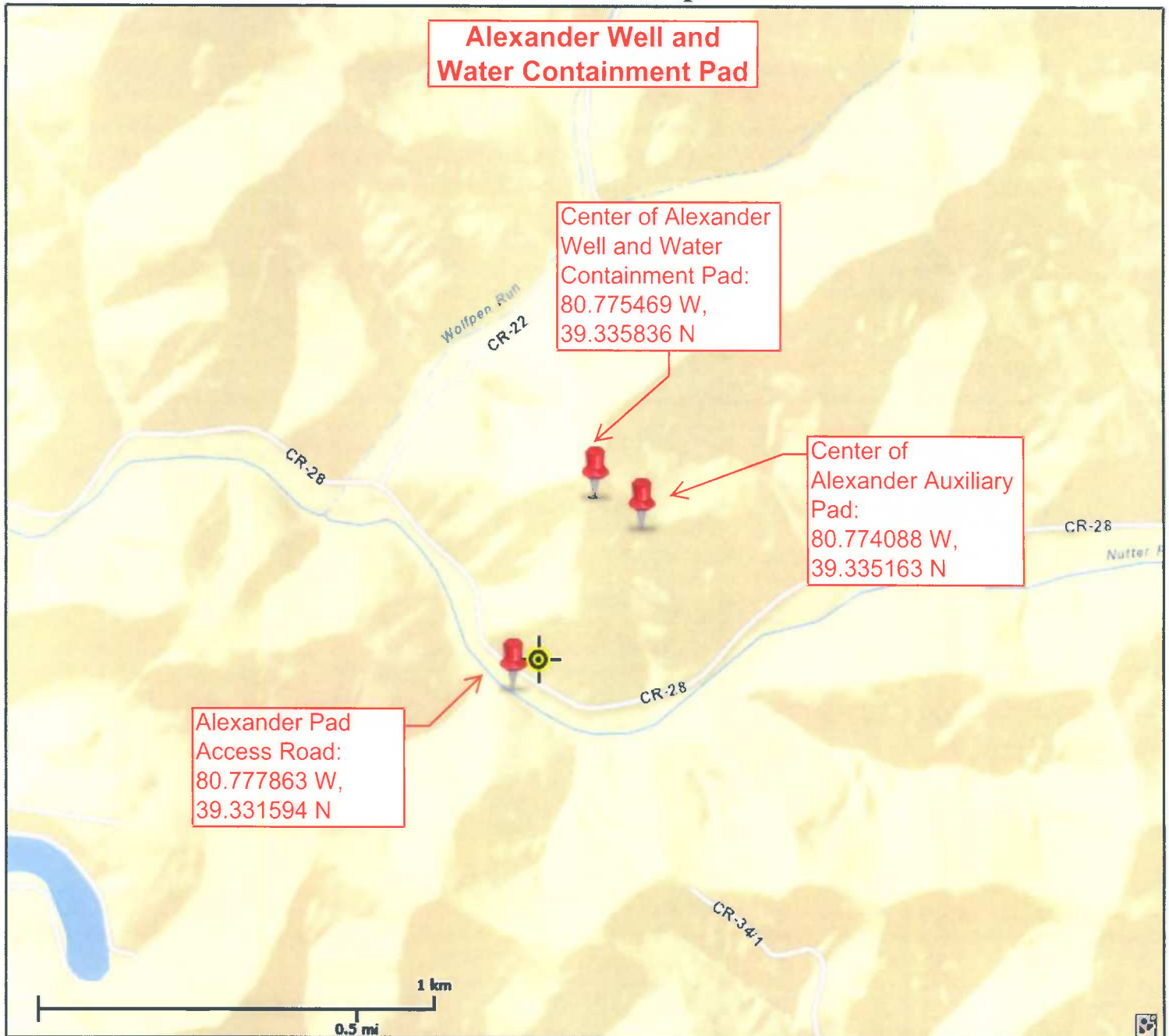
OWNER'S ADDRESS: _____

**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** _____

WV Flood Map



Alexander Well and Water Containment Pad


Center of Alexander Well and Water Containment Pad:
80.775469 W,
39.335836 N

Center of Alexander Auxiliary Pad:
80.774088 W,
39.335163 N

Alexander Pad Access Road:
80.777863 W,
39.331594 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 8/11/2014

 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:

Elevation: About 882 feet

Location (long. lat): 80.777135 W, 39.331761 N

Location (UTM 17N): (519208, 4353617)

FEMA Issued Flood Map: 54017C0110C

Contacts: Doddridge County

CRS Information: N/A

Parcel Number:

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
That the Accompanying Legal Notice
entitled:

Floodplain Permit
Application
Permit # 14-258

was published in said paper for ... *2*

successive weeks beginning with the issue
of ... *August 19th* ... 2014 and
ending with the issue of

... *August 26th* ... 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

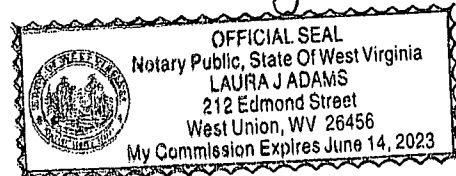
BEFORE ME THIS THE ... *28th* ... DAY

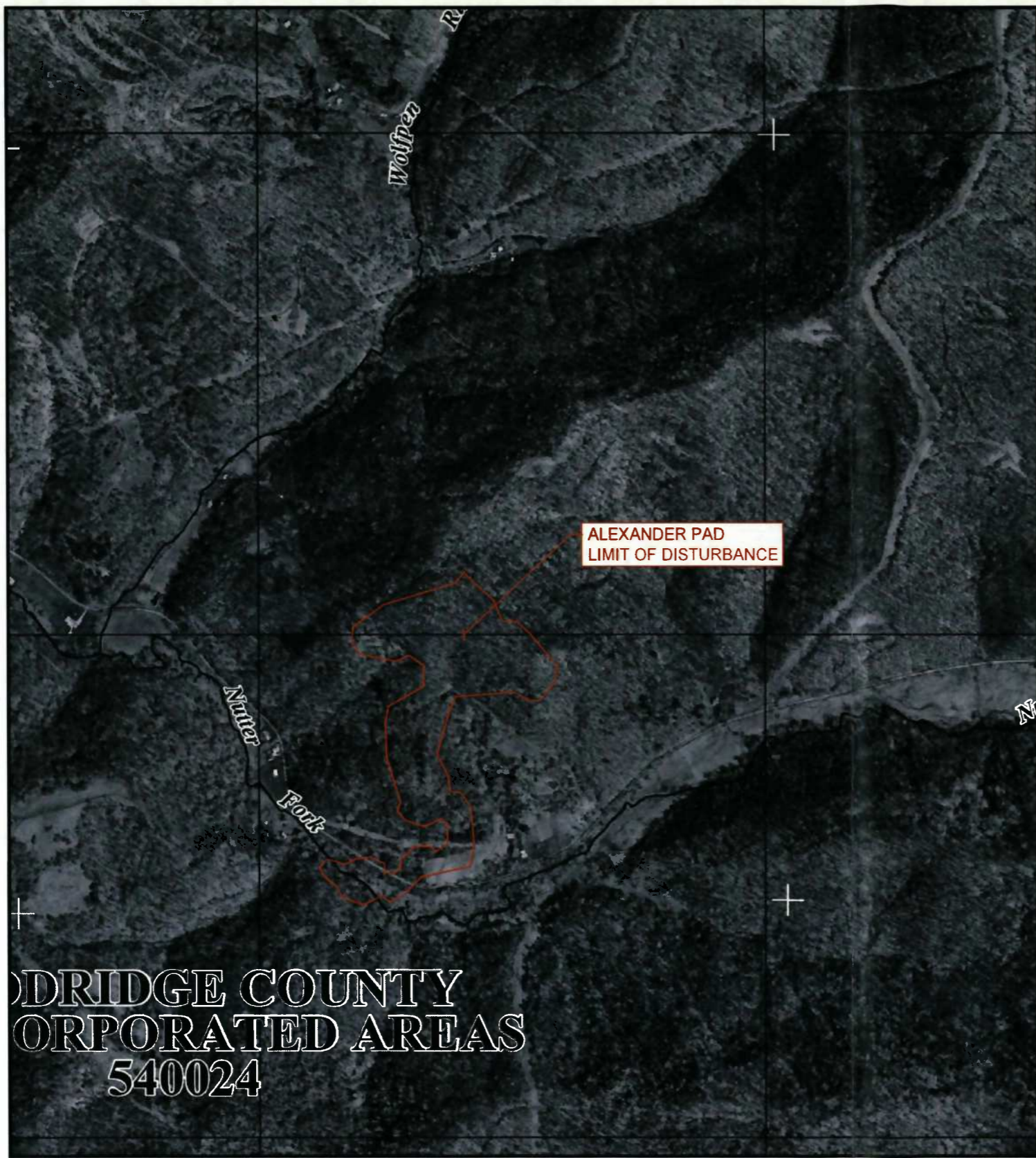
OF ... *August* ... 2014

NOTARY PUBLIC

Laura J Adams

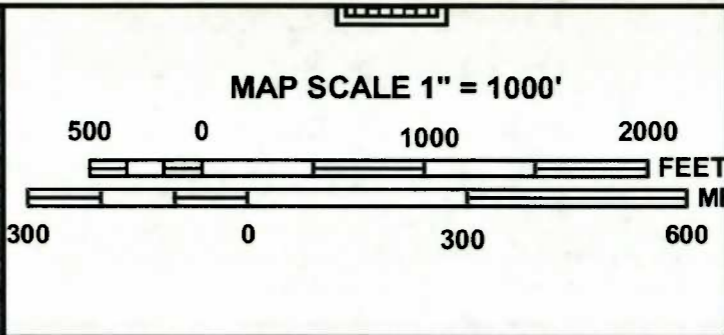
LEGAL ADVERTISEMENT
Doddridge County
Floodplain Permit Application
Please take notice that on the 13th day of August, 2014
Antero Resources filed an application for a Floodplain
Permit to develop land located at or about: West Union
District 39-335836N/80-775469W Permit # 14-258
Alexander Well & Water Containment Pad (Note: This
project is not within the floodplain)
The Application is on file with the Clerk of the County
Court and may be inspected or copied during regular
business hours. As this project is outside the FEMA
identified floodplain of Doddridge County, Doddridge
County Floodplain Management has no regulatory
authority. Any interested persons who desire to comment
shall present the same in writing by September 8, 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
Management
8-19-24b





ALEXANDER PAD
LIMIT OF DISTURBANCE

DODDRIDGE COUNTY
INCORPORATED AREAS
540024



NATIONAL FLOOD INSURANCE PROGRAM

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

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

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0110	C

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

MAP NUMBER
54017C0110C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

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

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			

KLEINFELDER
Bright People. Right Solutions.
230 EXECUTIVE DRIVE, SUITE 122
CRANBERRY TOWNSHIP, PA 16066
PH. 724-772-7072 FAX. 724-772-7079
www.kleinfelder.com
PROJ. NO. 134269
ACAD FILE: FIRM MAP.dwg

ALEXANDER WELL PAD FIRM MAP

ANTERO RESOURCES CORPORATION
ALEXANDER WELL PAD
WEST UNION DISTRICT
DODDRIDGE COUNTY WEST VIRGINIA

DESIGNED BY: JTS
MODIFIED BY: -
CHECKED BY: CAL
DATE: 04-07-2014
SCALE:
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
0 0.5 1.0 1.5 2.0
FIRM MAP
3
3 of 3 sheets

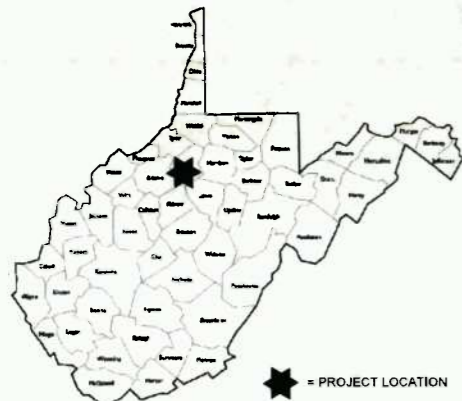
ATTACHED IMAGES: XREF: ANTERO 11417 TITLE BLOCK.XREF: Alexander.dwg
ATTACHED XREFS: CAD FILE: G:\clients\Antero\11417\11417.dwg
10-15-12 REVISED BY: CAL

PLOTTED: 01 Apr 2014, 2:38pm, JS@era

ALEXANDER SURFACE OWNER DATA					
OWNER	TAX MAP #	PARCEL #	DEED BOOK #	PAGE #	ADDRESS
H ROSS JR & CAROL S. SWIGER	4	25	260	612	307 LOUISE AVE WEST UNION, WV 26456
MATTHEW W. ALEXANDER & LINDA M. MUHLY	4	32	241	412	104 CHANCERY ST WEST UNION, WV 26456
LARRY WILLIAMS	4	26	260	226	328 RR 2 WEST UNION, WV 26456
LARRY WILLIAMS	4	34	260	226	328 RR 2 WEST UNION, WV 26456
ALLEN KENDALL JONES	4	34.3	167	068	ROUTE 28 W WEST UNION, WV 26456
MATTHEW W. ALEXANDER & LINDA M. MUHLY	4	32	241	412	104 CHANCERY ST WEST UNION, WV 26456
MATTHEW W. ALEXANDER & LINDA M. MUHLY	4	32	241	412	104 CHANCERY ST WEST UNION, WV 26456
ALLEN KENDALL JONES	4	34.3	167	068	ROUTE 28 W WEST UNION, WV 26456
ALLEN KENDALL JONES	4	37	167	068	ROUTE 28 W WEST UNION, WV 26456
LARRY WILLIAMS	7	10	260	168	328 RR 2 WEST UNION, WV 26456
JOHN P. STRICKLING ET AL	4	36	WB 28	314	130 ENGLANDS RUN RD WEST UNION, WV 26456
CLIFTON E. PHILLIPS	7	07	273	668	302 FRONT ST WEST UNION, WV 26456
JOHN P. STRICKLING ET AL	4	36	28	314	130 ENGLANDS RUN RD WEST UNION, WV 26456
PATRICIA M. COOPER, KATHRYN J. SISLER, & PHILLIP S. UNDERWOOD	4	30	211	302	2018 NUTTER FORK WEST UNION, WV 26456
BONNIE J. UNDERWOOD	4	29	193	650	2018 NUTTER FORK WEST UNION, WV 26456
PATRICIA M. COOPER, KATHRYN J. SISLER, & PHILLIP S. UNDERWOOD	4	30	211	302	2018 NUTTER FORK WEST UNION, WV 26456
BONNIE J. UNDERWOOD	4	29	193	650	2018 NUTTER FORK WEST UNION, WV 26456
PATRICIA M. COOPER, KATHRYN J. SISLER, & PHILLIP S. UNDERWOOD	4	30	211	302	2018 NUTTER FORK WEST UNION, WV 26456
KAREN ANN SMITH	4	24	248	254	151 CHIPPS RUN WEST UNION, WV 26456
JOHN M. & ANDREW B. FITZGERALD	4	14.1	282	418	316 RR 2 WEST UNION, WV 26456

ALEXANDER WELL AND WATER CONTAINMENT PAD SITE DESIGN & CONSTRUCTION PLAN, EROSION & SEDIMENT CONTROL PLANS

ANTERO RESOURCES CORPORATION



PROJECT CONTACTS

PROJECT OWNER

ANTERO RESOURCES
1615 WYNKOOP STREET
DENVER, CO 80202

CONTACT: ANTHONY SMITH
FIELD ENGINEER
304.869.3405 OFFICE
304.673.6196 CELL

CONTACT: JOHN KAWCAK
ENGINEER
817.368.1553

CONTACT: ELI WAGONER
ENVIRONMENTAL
ENGINEER
304.622.3842, EXT 311
OFFICE

CONTACT: AARON KUNZLER
CONSTRUCTION
SUPERVISOR
405.227.8344

LOCATION SURVEYOR

TRIPLE H ENTERPRISES
CONTACT: DARELL BOICE, PS
204 NEELEY AVE
WEST UNION, WV 26456
304.873.3360

ENGINEER OF RECORD

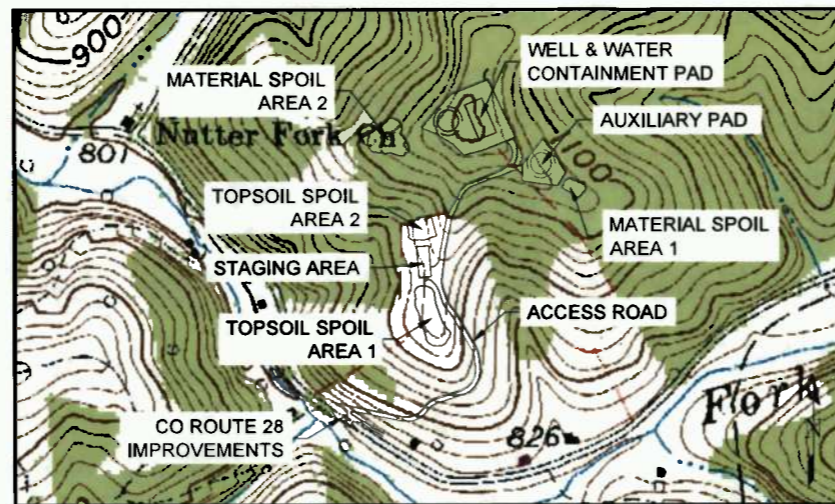
KLEINFELDER EAST, INC.
CONTACT: JEFFERY B. CRISP, PE
WV PE #20354
3500 GATEWAY CENTRE BLVD, SUITE 200
MORRISVILLE, NC 27560
919.755.5011 OFFICE
919.755.1414 FAX

ENVIRONMENTAL/ DELINEATION BOUNDARY

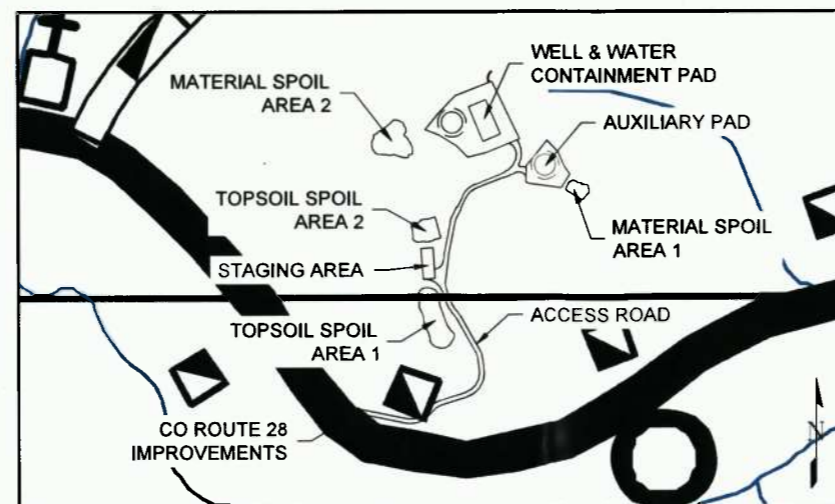
KLEINFELDER EAST, INC.
CONTACT: RUSSELL PERKINS
1340 CHARWOOD ROAD, SUITE 1
HANOVER, MD 21076
410.850.0404 OFFICE
410.850.0049 FAX

TOPO SURVEYOR

BLUE MOUNTAIN AERIAL MAPPING
CONTACT: CRAIG FRY
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
304.662.2626 OFFICE
304.815.4890 CELL



NORTH MERIDIAN REFERENCED TO NAD83 WEST VIRGINIA STATE PLANE NORTH ZONE
AFFECTED TAX PARCELS: WEST UNION 7.5 QUAD SEE SHEET 2
SCALE: 1 INCH = 500 FEET



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.

WELL NAME	NAD 83 (WV NORTH ZONE)			
	NORTHING	EASTING	LATITUDE	LONGITUDE
NORTHROP UNIT 2H	306967.7902	1607817.4045	39° 20' 08.75"	-80° 46' 30.85"
NORTHROP UNIT 1H	306977.0271	1607813.5732	39° 20' 08.84"	-80° 46' 30.90"
SCORPIO UNIT 1H	306986.2640	1607809.7418	39° 20' 08.93"	-80° 46' 30.95"
SCORPIO UNIT 2H	306995.5010	1607805.9105	39° 20' 09.02"	-80° 46' 31.00"
CONVAIR UNIT 1H	307004.7379	1607802.0791	39° 20' 09.11"	-80° 46' 31.05"
CONVAIR UNIT 2H	307013.9748	1607798.2478	39° 20' 09.20"	-80° 46' 31.10"
EDGAR UNIT 1H	307023.2117	1607794.4165	39° 20' 09.29"	-80° 46' 31.15"
EDGAR UNIT 2H	307032.4487	1607790.5851	39° 20' 09.38"	-80° 46' 31.20"

WELL NAME	NAD 27 (WV NORTH ZONE)		UTM ZONE 17 (METERS)	
	NORTHING	EASTING	NORTHING	EASTING
NORTHROP UNIT 2H	306932.40	1639258.61	4354061.74	519370.42
NORTHROP UNIT 1H	306941.62	1639254.80	4354064.53	519369.21
SCORPIO UNIT 1H	306950.87	1639250.95	4354067.33	519367.99
SCORPIO UNIT 2H	306960.10	1639247.13	4354070.12	519366.78
CONVAIR UNIT 1H	306969.35	1639243.31	4354072.92	519365.57
CONVAIR UNIT 2H	306978.57	1639239.46	4354075.71	519364.35
EDGAR UNIT 1H	306987.83	1639235.64	4354078.51	519363.14
EDGAR UNIT 2H	306997.05	1639231.79	4354081.30	519361.92

SHEET INDEX	
PAGE NO.	DESCRIPTION
1	COVER PAGE & LOCATION MAP
2	SCHEDULE OF QUANTITIES
3	NOTES
4	EXISTING CONDITIONS
5	OVERALL PLAN
6 - 7	SITE PLAN
8	WELL & WATER CONTAINMENT PAD CROSS SECTIONS AND PROFILE
9	AUXILIARY PAD CROSS SECTIONS AND PROFILE
10 - 11	ACCESS ROAD CROSS SECTIONS AND PROFILE
12	CO ROUTE 28 IMPROVEMENTS CROSS SECTIONS AND PROFILE
13 - 18	DETAILS
19 - 20	RECLAMATION PLAN

DESCRIPTION	NAD 83 (WV NORTH)		UTM ZONE 17 (METERS)	
	LATITUDE	LONGITUDE	NORTHING	EASTING
CENTER OF WELL & WATER CONTAINMENT PAD	39° 20' 09.01"	-80° 46' 31.69"	4354069.73	519350.35
CENTER OF AUXILIARY PAD	39° 20' 06.59"	-80° 46' 26.72"	4353995.33	519469.41
ACCESS ROAD ENTRANCE	39° 19' 53.74"	-80° 46' 40.31"	4353598.59	519145.10

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:	54017C0110C
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:	N/A

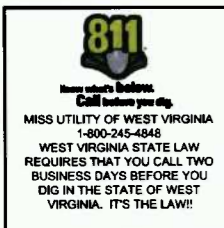
ACCESS ROAD LENGTH (FEET)	
DESCRIPTION	FEET
PROPOSED ACCESS ROAD	2,337
WC PAD ACCESS ROAD	119
TOTAL	2,456

DESIGN CERTIFICATION

THE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS ATTACHED HERETO HAVE BEEN PREPARED IN ACCORDANCE WITH THE WEST VIRGINIA CODE OF STATE RULES, DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS §35-8.

MM-109 PERMIT

ANTERO RESOURCES WILL OBTAIN AN ENCROACHMENT PERMIT (MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.



WELL LOCATION RESTRICTIONS

WELL PAD IS TO COMPLY WITH WELL LOCATION RESTRICTIONS OF WV CODE 22-6A-12. THE PADS COMPLY WITH THE FOLLOWING RESTRICTIONS:

- 250' FROM AN EXISTING WELL OR DEVELOPED SPRING USED FOR HUMAN OR DOMESTIC ANIMALS
- 625' FROM AN 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 NATURALLY REPRODUCING TROUT STREAMS
- 1000' OF SURFACE OR GROUND WATER INTAKE TO A PUBLIC WATER SUPPLY

ISSUED FOR CONSTRUCTION



SEAL

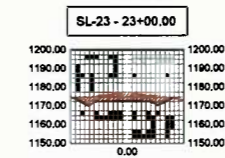
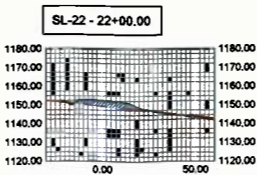
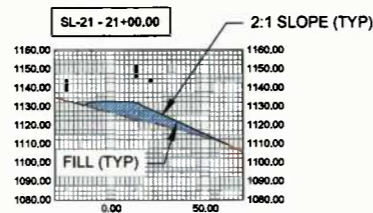
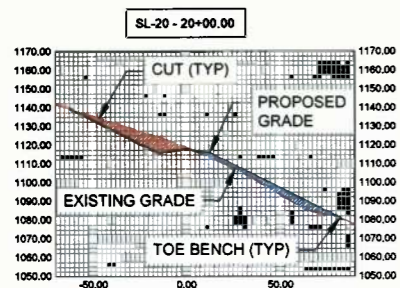
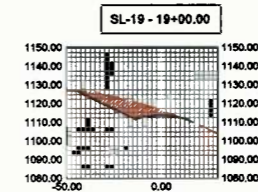
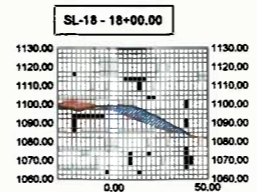
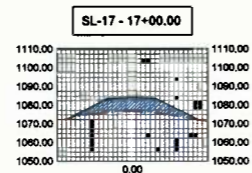
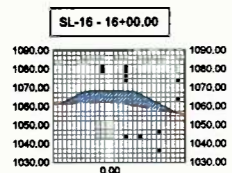
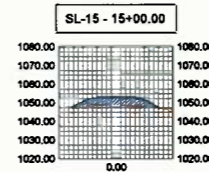
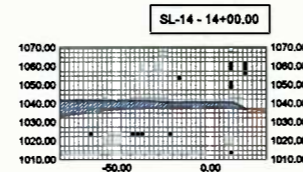
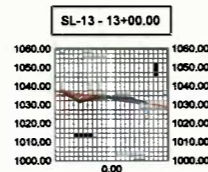
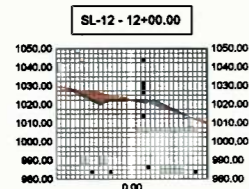
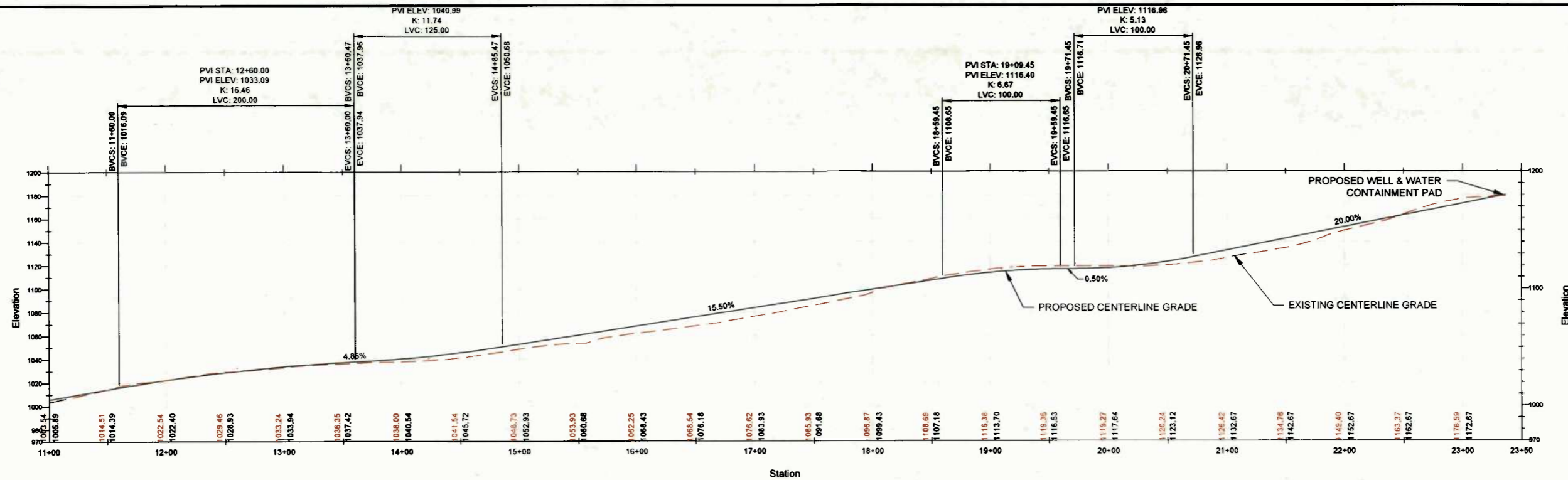
NO.	REVISION	BY	DATE
1	CORP ADDRESS & PARCEL REVISION	KLF	06-04-14

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ACAD FILE COVER.dwg

**ALEXANDER WELL & W.C. PAD
COVER PAGE & LOCATION MAP**

ANTERO RESOURCES CORPORATION
ALEXANDER WELL & WATER CONTAINMENT PAD
WEST UNION DISTRICT
DODDRIDGE COUNTY WEST VIRGINIA

DESIGNED BY:	RAP
MODIFIED BY:	GLT
CHECKED BY:	JBC
DATE:	06-03-2014
SCALE:	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 0.5 1.0 1.5 2.0
CONSTRUCTION	1 of 20 sheets

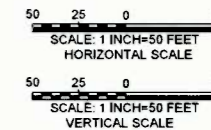


LEGEND

- AREA IN FILL
- AREA IN CUT

NOTES:

1. REFER TO SITE PLAN SHEET FOR ADDITIONAL ACCESS ROAD INFORMATION INCLUDING STORMWATER AND EROSION CONTROL MEASURES.



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NO.	REVISION	BY	DATE
1	CORP ADDRESS & PARCEL REVISION	KLF	06-04-14
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4			

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CROSS SECTIONS & PROFILE.dwg

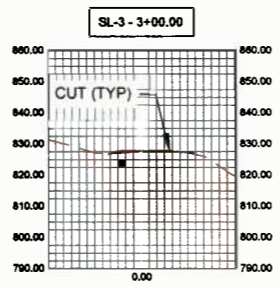
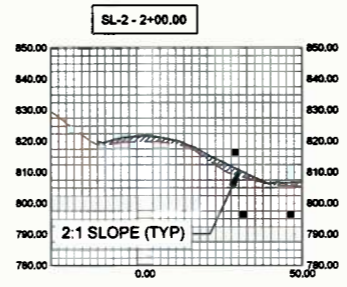
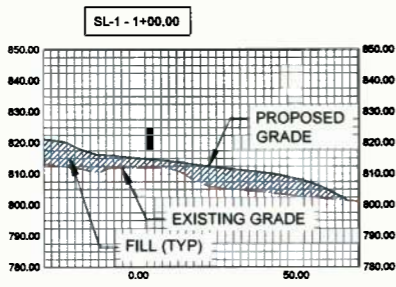
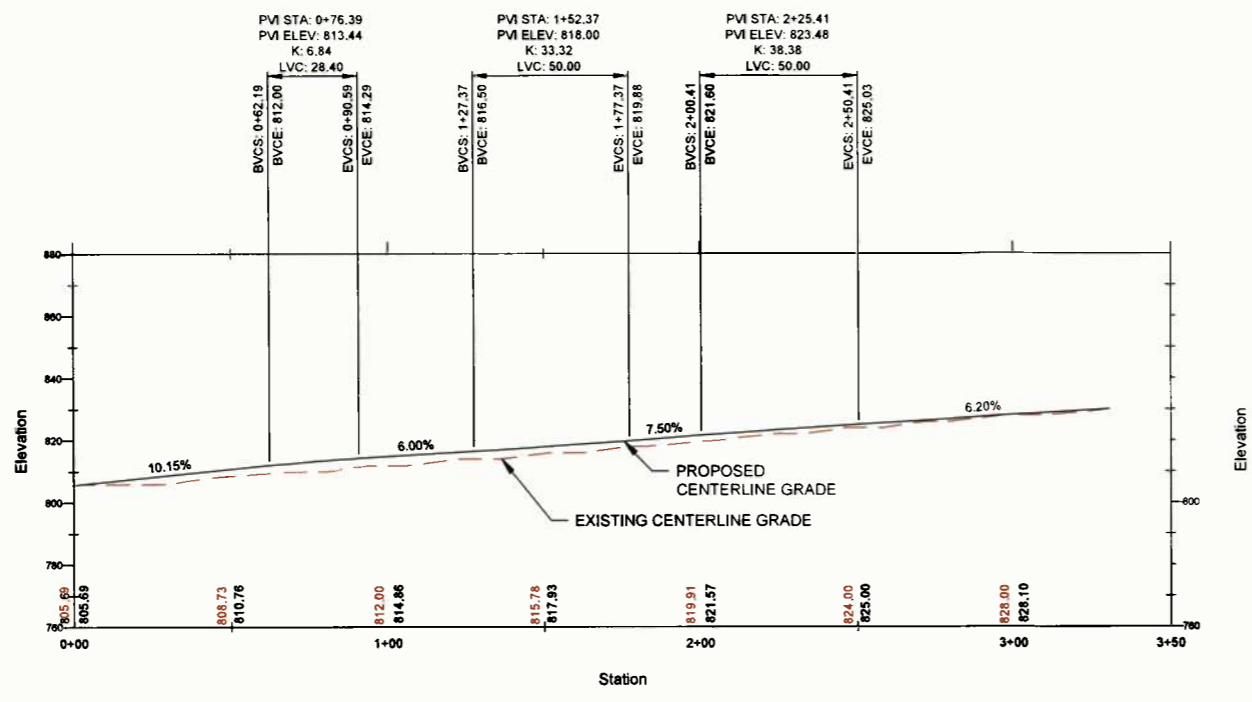
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ALEXANDER WELL & W.C. PAD
ACCESS ROAD CROSS SECTIONS
AND PROFILE

ANTERO RESOURCES CORPORATION
ALEXANDER WELL & WATER CONTAINMENT PAD
WEST UNION DISTRICT
DODDRIDGE COUNTY WEST VIRGINIA 26049

DESIGNED BY: RAP	SCALE:
MODIFIED BY: GLT	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
CHECKED BY: JBC	0 0.5 1.0 1.5 2.0
DATE: 06-03-2014	CONSTRUCTION
11	
11 of 20 sheets	

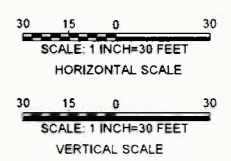
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LEGEND

- AREA IN FILL
- AREA IN CUT

NOTES:
 1. REFER TO SITE PLAN SHEET FOR ADDITIONAL ACCESS ROAD INFORMATION INCLUDING STORMWATER AND EROSION CONTROL MEASURES.



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NO.	REVISION	BY	DATE
1	CORP ADDRESS & PARCEL REVISION	KLF	06-04-14
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3		-	-
4		-	-
5		-	-

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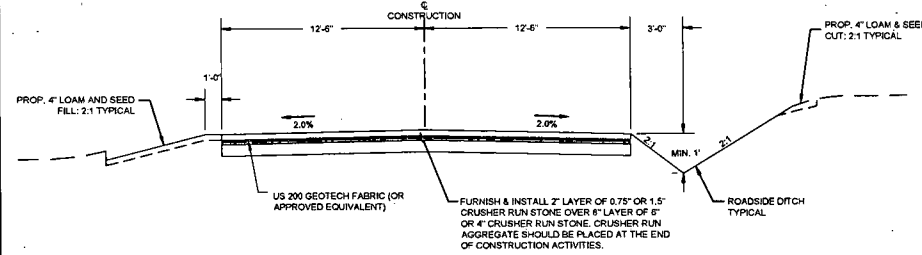
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**ALEXANDER WELL & W.C. PAD
 CO ROUTE 28 IMPROVEMENTS
 CROSS SECTIONS AND PROFILE**

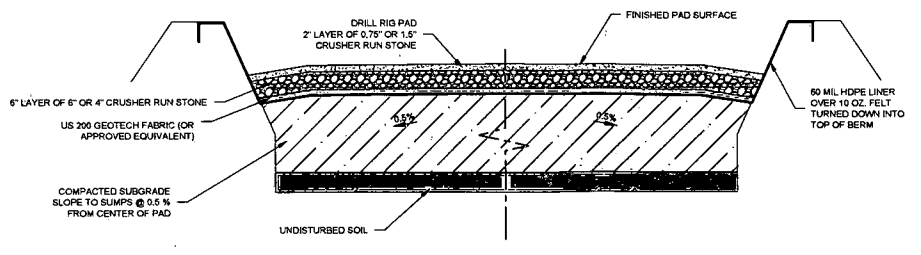
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 ALEXANDER WELL & WATER CONTAINMENT PAD
 WEST UNION DISTRICT
 DODDRIDGE COUNTY WEST VIRGINIA

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CONSTRUCTION
12
12 of 20 sheets

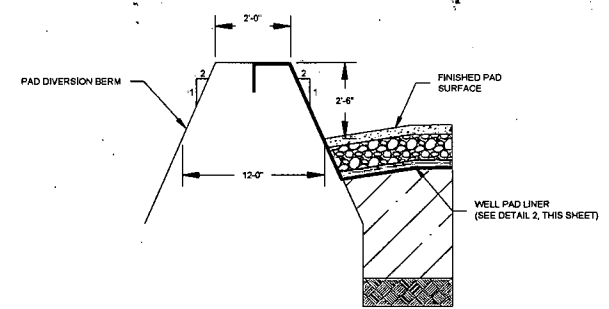
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1 TYPICAL SECTION - SITE ACCESS DRIVE DETAIL
13 NTS



2 TYPICAL PAD CROSS-SECTION DETAIL
13 NTS



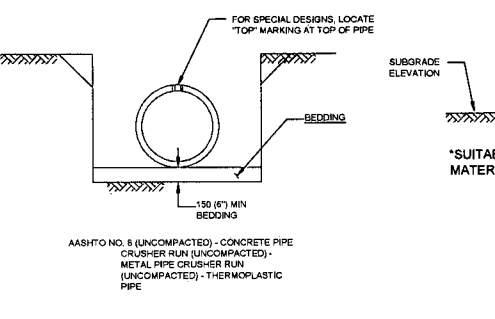
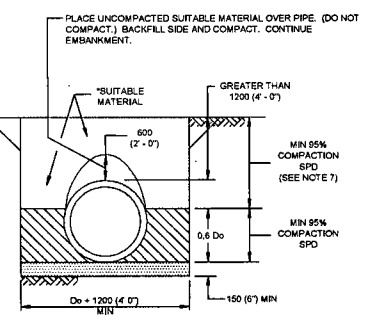
3 TYPICAL PAD CONTAINMENT BERM DETAIL
13 NTS

PIPE INSTALLATION PROCEDURES

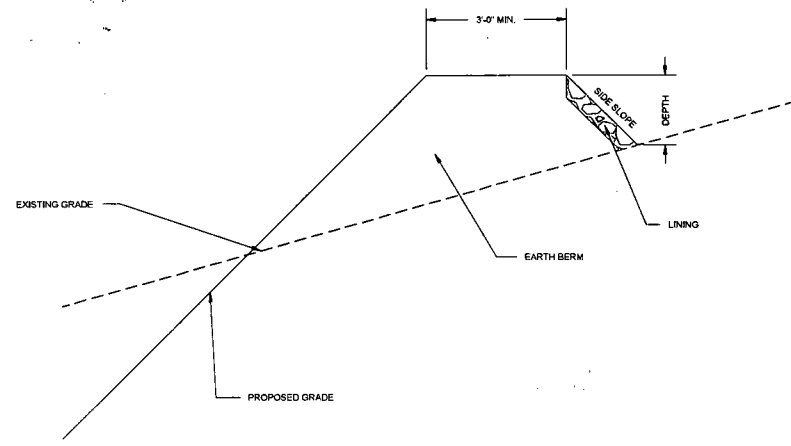
CONSTRUCTION DETAILS BELOW COVER THE FOLLOWING CONDITIONS:
 A. PIPE LYING ON TOP OF THE NATURAL GROUND, ROCK OR COMPACTED (97% SPD) FILL.
 B. THE EXISTING GROUND IS BETWEEN THE TOP AND THE BOTTOM OF THE PROPOSED PIPE AND THE PIPE IS TO BE COVERED WITH EARTH FILL.
 C. THE TOP OF PIPE IS BELOW THE LEVEL OF THE NATURAL GROUND OR COMPACTED FILL (TO MINIMUM 97% SPD) AND TO BE COVERED WITH EARTH FILL TO HEIGHTS ABOVE THE NATURAL GROUND.

- STEP 1: REMOVE TOPSOIL (COMPRESSIBLE LAYER OF ORGANIC MATERIAL) TO A WIDTH EQUAL TO 5 OUTSIDE DIAMETERS OF THE PIPE IN ALL FILL CONDITIONS ABOVE A, B & C. ALSO IF SPECIFIED ON THE CONTRACT DRAWING, UNDERCUT FOR THE DEPTH BELOW THE BEDDING AS SHOWN BY DESIGN (MAKE MIN WIDTH 5 DIAMETERS OF PIPE). PAY AS CLASS 1 EXCAVATION.
- STEP 2: CONSTRUCT THE EMBANKMENT TO 1200 (4'-0") ABOVE THE TOP OF PIPE OR TO THE SUBGRADE ELEVATION, WHICHEVER IS LESS. FOR PIPES 1800 (7'2") OR GREATER SEE NOTE 1.
- STEP 3: EXCAVATE THE TRENCH TO THE WIDTH OF THE OUTSIDE DIAMETER OF THE PIPE BARREL PLUS 1200 (4'-0") AND CREATE AN APPROPRIATE BEDDING 150 (6") DEEP.

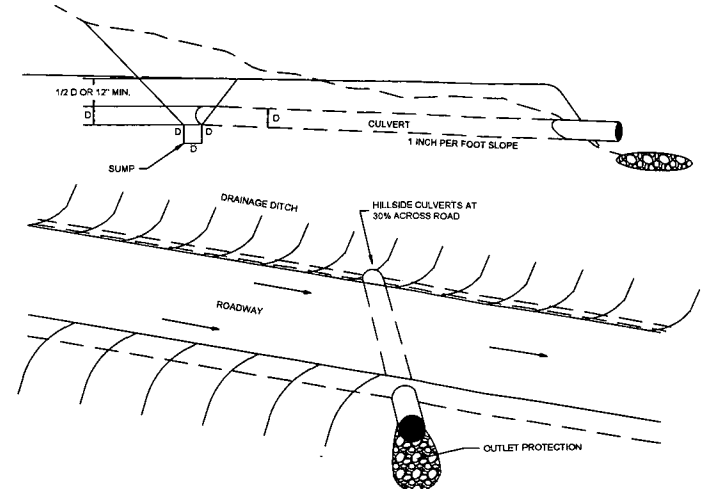
- STEP 4: FOR CONCRETE PIPE, IF THIS EXCAVATION IS THROUGH ROCK OR HARD SHALE, OR IN AREAS OF UNDERCUT, PROVIDE 150x40 MM (6"x1 1/2" INCH) OF D_o+1200 (4'-0") BELOW THE INTENDED BOTTOM ELEVATION OF THE PIPE, 400 (16") MAX.
- NOTE: IF UNSUITABLE MATERIAL IS FOUND, UNDERCUT AS DIRECTED AND BACKFILL WITH SUITABLE MATERIAL TO BOTTOM OF BEDDING ELEVATION, (UNLESS OTHERWISE SPECIFIED).
- STEP 5: LAY PIPE ON APPROPRIATE BEDDING. SEE STEP 6D FOR METAL PIPE ARCH AND METAL PLATE PIPE ARCH.



4 CIRCULAR PIPE INSTALLATION DETAIL
13 NTS



5 TYPICAL DRAINAGE BERM DETAIL
13 NTS



7 DITCH RELIEF CULVERT DETAIL
13 NTS

ALEXANDER ROAD-SIDE DITCH CHANNEL DESIGN AND LINING

ROAD-SIDE DITCH CHANNEL NAME	TOTAL RUNOFF (CFS)	UPPER STATION	LOWER STATION	LENGTH (FEET)	CHANNEL SECTION	BOTTOM WIDTH (FEET)	LEFT SIDE SLOPE (H:V)	RIGHT SIDE SLOPE (H:V)	CHANNEL DEPTH (FEET)	CHANNEL SLOPE (H:V)	TEMPORARY LINER	PERMANENT LINER
ROAD-SIDE DITCH 1	12.07	04+43	00+00	443.00	TRAPEZOIDAL	2.00	2.00	2.00	1.50	0.21	NAG SC250	NAG SC250
ROAD-SIDE DITCH 2	1.14	03+21	01+05	216.00	TRIANGULAR	-	2.00	2.00	1.50	0.07	R-5 RIP RAP	R-5 RIP RAP
ROAD-SIDE DITCH 3	0.08	01+68	01+38	30.00	TRIANGULAR	-	2.00	2.00	1.50	0.20	R-4 RIP RAP	R-4 RIP RAP
ROAD-SIDE DITCH 4	0.46	06+38	04+48	190.00	TRIANGULAR	-	2.00	2.00	1.50	0.20	NAG SC250	NAG SC250
ROAD-SIDE DITCH 5	4.61	10+36	04+49	587.00	TRIANGULAR	-	2.00	2.00	1.50	0.17	NAG SC250	NAG SC250
ROAD-SIDE DITCH 6	1.87	13+49	10+43	306.00	TRIANGULAR	-	2.00	2.00	1.50	0.14	NAG SC250	NAG SC250
ROAD-SIDE DITCH 7	3.09	23+33	17+80	543.00	TRIANGULAR	-	2.00	2.00	1.50	0.15	NAG SC250	NAG SC250
ROAD-SIDE DITCH 8	0.38	23+18	22+21	97.00	TRIANGULAR	-	2.00	2.00	1.50	0.31	NAG SC250	NAG SC250
CHANNEL 1	1.84	N/A	N/A	155.00	TRIANGULAR	-	1.00	1.00	1.50	0.01	STRAW WITH NET	CLASS C VEGETATION
CHANNEL 2	1.88	N/A	N/A	149.00	TRIANGULAR	-	1.00	1.00	1.50	0.01	STRAW WITH NET	CLASS C VEGETATION

*TOTAL AREA & TOTAL RUNOFF FOR ROAD-SIDE DITCH 2 IS THE AREA & FLOW OF ROAD-SIDE DITCH 2 AND ROAD-SIDE DITCH 3
 *TOTAL AREA & TOTAL RUNOFF FOR CHANNEL 2 IS THE AREA & FLOW OF ROAD-SIDE DITCH 8 AND CHANNEL 2

6 TYPICAL DRAINAGE CHANNEL DETAIL
13

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NO.	REVISION	BY	DATE
1	CORP ADDRESS & PARCEL REVISION	KLF	06-04-14
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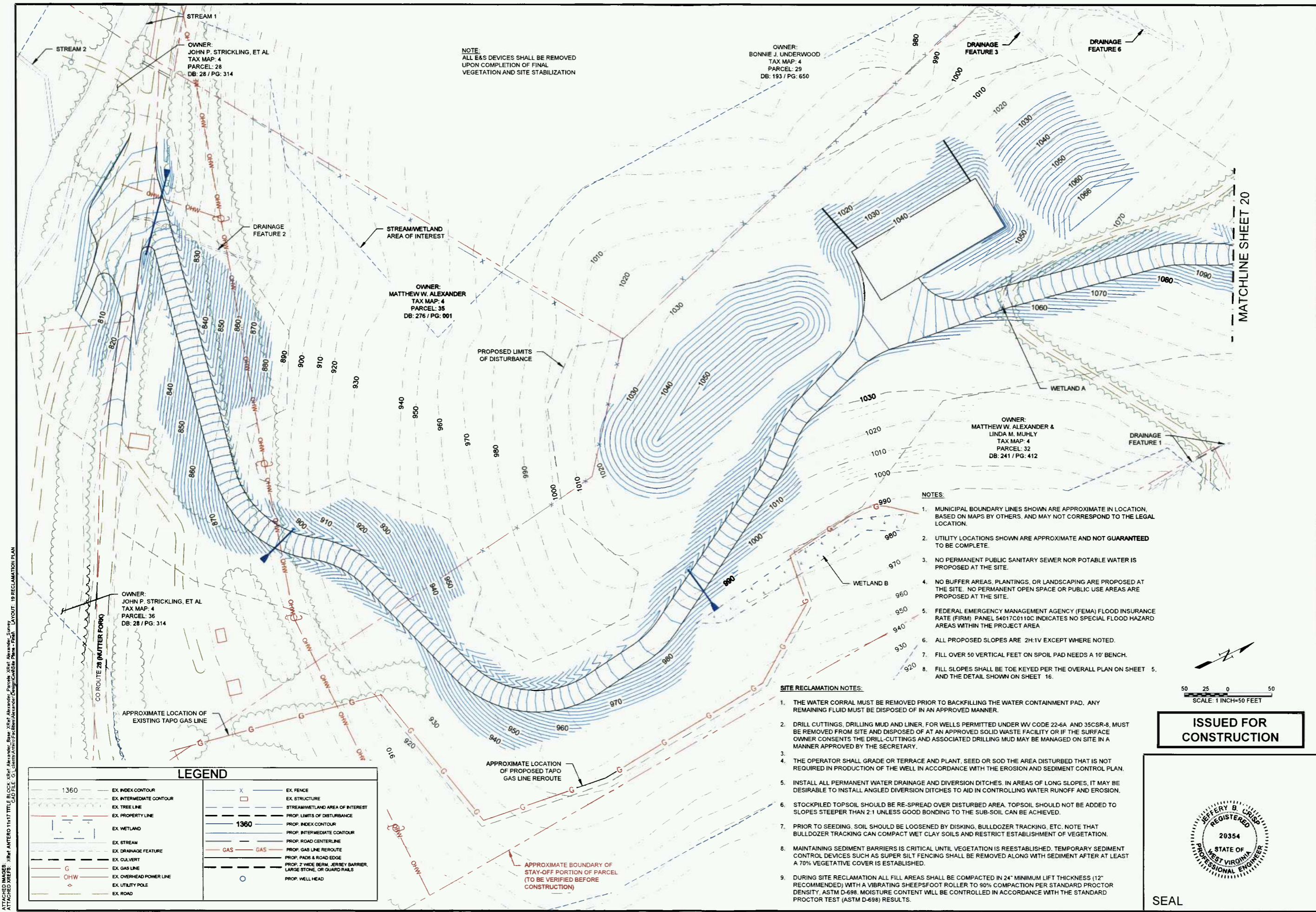
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 ACAD FILE: DETAILS.dwg
 PROJ. NO. 134968

ALEXANDER WELL & W.C. PAD DETAILS
 ANTERO RESOURCES CORPORATION
 ALEXANDER WELL & WATER CONTAINMENT PAD
 WEST UNION DISTRICT
 WEST VIRGINIA
 DODDRIDGE COUNTY

DESIGNED BY: RAP
 MODIFIED BY: GLT
 CHECKED BY: JBC
 DATE: 06-03-2014
 SCALE:
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 0 0.5 1.0 1.5 2.0
 CONSTRUCTION
13
 13 of 20 sheets

ATTACHED IMAGES: Images, CHANGES, REVISIONS, 06-03-2014.dwg
 ATTACHED APPS: APPS, APPS, 06-03-2014.dwg
 ATTACHED FILES: FILES, FILES, 06-03-2014.dwg
 LAYOUT: 13 DETAILS
 10-15-17 REVISED BY: CAL

PLOTTED: 04 Jun 2014, 5:51pm, Lrpp



NOTE:
ALL E&S DEVICES SHALL BE REMOVED
UPON COMPLETION OF FINAL
VEGETATION AND SITE STABILIZATION

OWNER:
BONNIE J. UNDERWOOD
TAX MAP: 4
PARCEL: 29
DB: 193 / PG: 650

OWNER:
JOHN P. STRICKLING, ET AL
TAX MAP: 4
PARCEL: 28
DB: 28 / PG: 314

OWNER:
MATTHEW W. ALEXANDER
TAX MAP: 4
PARCEL: 35
DB: 276 / PG: 001

OWNER:
MATTHEW W. ALEXANDER &
LINDA M. MUHLY
TAX MAP: 4
PARCEL: 32
DB: 241 / PG: 412

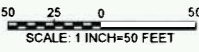
OWNER:
JOHN P. STRICKLING, ET AL
TAX MAP: 4
PARCEL: 36
DB: 28 / PG: 314

NOTES:

- MUNICIPAL BOUNDARY LINES SHOWN ARE APPROXIMATE IN LOCATION, BASED ON MAPS BY OTHERS, AND MAY NOT CORRESPOND TO THE LEGAL LOCATION.
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND NOT GUARANTEED TO BE COMPLETE.
- NO PERMANENT PUBLIC SANITARY SEWER NOR POTABLE WATER IS PROPOSED AT THE SITE.
- NO BUFFER AREAS, PLANTINGS, OR LANDSCAPING ARE PROPOSED AT THE SITE. NO PERMANENT OPEN SPACE OR PUBLIC USE AREAS ARE PROPOSED AT THE SITE.
- FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE (FIRM) PANEL 54017C0110C INDICATES NO SPECIAL FLOOD HAZARD AREAS WITHIN THE PROJECT AREA.
- ALL PROPOSED SLOPES ARE 2H:1V EXCEPT WHERE NOTED.
- FILL OVER 50 VERTICAL FEET ON SPOIL PAD NEEDS A 10' BENCH.
- FILL SLOPES SHALL BE TOE KEYED PER THE OVERALL PLAN ON SHEET 5, AND THE DETAIL SHOWN ON SHEET 16.

SITE RECLAMATION NOTES:

- THE WATER CORRAL MUST BE REMOVED PRIOR TO BACKFILLING THE WATER CONTAINMENT PAD. ANY REMAINING FLUID MUST BE DISPOSED OF IN AN APPROVED MANNER.
- DRILL CUTTINGS, DRILLING MUD AND LINER, FOR WELLS PERMITTED UNDER WV CODE 22-6A AND 35CSR-8, MUST BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED SOLID WASTE FACILITY OR IF THE SURFACE OWNER CONSENTS THE DRILL-CUTTINGS AND ASSOCIATED DRILLING MUD MAY BE MANAGED ON SITE IN A MANNER APPROVED BY THE SECRETARY.
- THE OPERATOR SHALL GRADE OR TERRACE AND PLANT, SEED OR SOD THE AREA DISTURBED THAT IS NOT REQUIRED IN PRODUCTION OF THE WELL IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN.
- INSTALL ALL PERMANENT WATER DRAINAGE AND DIVERSION DITCHES. IN AREAS OF LONG SLOPES, IT MAY BE DESIRABLE TO INSTALL ANGLED DIVERSION DITCHES TO AID IN CONTROLLING WATER RUNOFF AND EROSION.
- STOCKPILED TOPSOIL SHOULD BE RE-SPREAD OVER DISTURBED AREA. TOPSOIL SHOULD NOT BE ADDED TO SLOPES STEEPER THAN 2:1 UNLESS GOOD BONDING TO THE SUB-SOIL CAN BE ACHIEVED.
- PRIOR TO SEEDING, SOIL SHOULD BE LOOSENEED BY DISKING, BULLDOZER TRACKING, ETC. NOTE THAT BULLDOZER TRACKING CAN COMPACT WET CLAY SOILS AND RESTRICT ESTABLISHMENT OF VEGETATION.
- MAINTAINING SEDIMENT BARRIERS IS CRITICAL UNTIL VEGETATION IS REESTABLISHED. TEMPORARY SEDIMENT CONTROL DEVICES SUCH AS SUPER SILT FENCING SHALL BE REMOVED ALONG WITH SEDIMENT AFTER AT LEAST A 70% VEGETATIVE COVER IS ESTABLISHED.
- DURING SITE RECLAMATION ALL FILL AREAS SHALL BE COMPACTED IN 24" MINIMUM LIFT THICKNESS (12" RECOMMENDED) WITH A VIBRATING SHEEPSFOOT ROLLER TO 90% COMPACTION PER STANDARD PROCTOR DENSITY, ASTM D-698. MOISTURE CONTENT WILL BE CONTROLLED IN ACCORDANCE WITH THE STANDARD PROCTOR TEST (ASTM D-698) RESULTS.



**ISSUED FOR
CONSTRUCTION**



SEAL

LEGEND	
1360	EX. INDEX CONTOUR
---	EX. INTERMEDIATE CONTOUR
---	EX. TREE LINE
---	EX. PROPERTY LINE
---	EX. WETLAND
---	EX. STREAM
---	EX. DRAINAGE FEATURE
---	EX. CULVERT
---	EX. GAS LINE
---	EX. OVERHEAD POWER LINE
---	EX. UTILITY POLE
---	EX. ROAD
X	EX. FENCE
□	EX. STRUCTURE
---	STREAM/WETLAND AREA OF INTEREST
---	PROP. LIMITS OF DISTURBANCE
1360	PROP. INDEX CONTOUR
---	PROP. INTERMEDIATE CONTOUR
---	PROP. ROAD CENTERLINE
---	PROP. GAS LINE REROUTE
---	PROP. PADS & ROAD EDGE
---	PROP. 2" WIDE BERM, JERSEY BARRIER, LARGE STONE, OR GUARD RAILS
○	PROP. WELL HEAD

NO.	REVISION	BY	DATE
1	CORP ADDRESS & PARCEL REVISION	KLF	06-04-14
2			
3			
4			

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**ALEXANDER WELL & W.C. PAD
RECLAMATION PLAN**

ANTERO RESOURCES CORPORATION
ALEXANDER WELL & WATER CONTAINMENT PAD
WEST UNION DISTRICT
DODDRIDGE COUNTY WEST VIRGINIA

DESIGNED BY: RAP
MODIFIED BY: GLT
CHECKED BY: JBC
DATE: 06-03-2014
SCALE:
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
0 0.5 1.0 1.5 2.0
CONSTRUCTION
19
19 of 20 sheets

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10-15-12 REVISED BY: CAL

PLOTTED: 04 Jun 2014, 6:52pm, Ltrp

