

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

Title pormit has been issued to Antere Resputces, and is for the approved commercial and/or industrial Bevelopment project associated with this permit that impacts the FEMA-designated floodelain and/or Readway of Beddridge County, WW, 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: #13-086 ~ Antero Resources ~ **Victor Pad Extension**

Date Approved: 12/02/2014

Expires: 12/02/2015

Issued to: Antero Resources

POC: Rachel Grzybek 304-842-4008

Company Address: 535 White Oaks Blvd

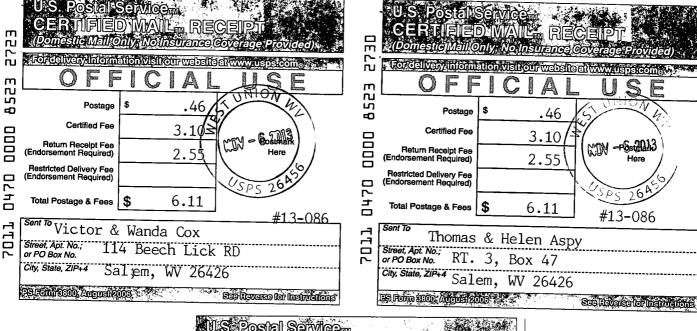
Bridgeport, WV 26330

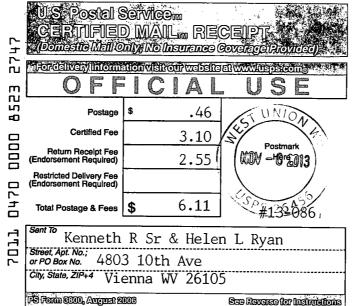
Project Address: New Milton & Greenbrier Districts, Double Camp of Meathouse Fork Lat/Long: 39.1115N/80.3730W

Purpose of development: Victor pad construction extension. Original permit issued 12/02/2013.

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

Date: 12/02/2014





SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature Agent Addressee B. Beceived by (Printed Name) C. Date of Delivery D. Is delivery address different frem 17
1. Article Addressed to: #13-086	If YES, enter delivery address below:
Thomas & Helen Aspy Rt 3. Box 47 Salem, wV 26426	1.0V 1 2 2013
	3. Service Type Certified Mall Registered Return Receipt for Merchandise C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 7011 0470	0000 8523 2730
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540

United States Postal Service



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

Sender Please print your name, address, and ZIP+4 in this box BECHEA ROGERS DODERIDGE CO CLERK 118 EAST COURT ST **ROOM 102** WEST UNION, WV 26456 <u> Դրժիսիլի Ուիսոլ Ոլհորոս ին Որդոլի գուխնիլի այինիկի</u>

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature X	
1. Article Addressed to: #13-086	D. Is delivery address differen from item 1? ☐ Yés If YES, enter delivery address below: ☐ No	
Kenneth R Sr. & Helen L. Ryan 4803 10th Ave Vienna WV 26105		
	3. Service Type	
	4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number 7011 047	70 0000 8523 2747	
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540	

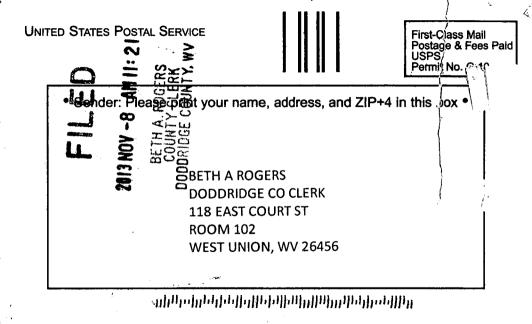
.

UNITED STATES POSTAL SERVICE



First-Class Mail Postage & Fees Paid USPS Permit No. G-12

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



	•			
: :. ER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY			
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature X Agent Addressee B. Received by (Printed Name) C. Date of Delivery			
1. Article Addressed to: #13-086 Victor & Wanda Cox 114 Beech Lick Rd Salem, WV 26426	b. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No			
	3. Service Type \(\tilde{\text{LACC}} \) \(\text{LACC} \) \(\t			
2. Article Number 7011 0470	0000 8523 2723			
PS Form 3811, February 2004 Domestic Retu	urn Receipt 102595-02-M-1540			



1625 17th STREET, SUITE 300 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY CLERK	45582	Nov-01-2013	41745	\$4,974.85

1	DODDRIDGE COUNTY CLERK		45582	Nov-01-2013	41/45	41/45 \$4,9/4.05	
•	VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNT		NET MOUNT
	11-AP-73	VICTORPADFP	11/01/13	4,974.85	0.00	4,9	74.85
		AIN PERMIT - VIC DICES PAID	TOR PAD			4,9	74.85

13-086 Antero-Victor Pad

DETACH AND RETAIN FOR TAX PURPOSES

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. 867

Date: November 7, 2013

Customer copy

Received: #13-086 ANTERO - VICTOR PAD

\$4,974.85

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

Doddridge County Flood Plain Application Fee Calculator (if in Flood Plain) Victor Pad				
Amount over \$100,000	\$794,969.15			
Drilling Oil and Gas Well Fee	\$1,000.00			
\$5 per \$1,000 over \$100,000	\$3,974.85			
Amount Due with application	\$4,974.85			

LOCATION PERMIT FEES

Accessory Building and/or Structures
Additions and/or Renovations to Single Family Residential of Manufacture Homes
<u>UP TO \$50,000.00</u> \$10.00
Additions and/or Renovations to Single Family Residential or Manufacture Homes OVER \$50,000.00 \$10.00
Single Family Residential UP TO \$50,000.00
Manufactured Homes – described as having permanent axle and frame NONE
Multi-Family
New Commercial Structures or Renovations to existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
New commercial Structures or Additions or Renovations to Existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
New Industrial Structures or Additions or Renovations to Existing Industrial
Structures, changes in Land Use and Land Altering Activities for Industrial \$500.00 purposes. (the total costs of which do not exceed \$100,000.00)
New Industrial Structures or Additions or Renovations to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial \$1,000.00 purposes. (the total costs of which exceed \$100,000.00 plus \$5.00 per \$1,000.00 in costs over \$100,000.00.)
FEE FOR DRILLING OIL & GAS WELL\$1,000.00 IN FEMA DESIGNATES FLOOD PLAIN Maximum Fee: In no event shall any Location Permit Fee charged under this Ordinance exceed the sum of \$100,000.00.
Exceed the 3dill of \$100,000.00.

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 6th day of November, 2013

ANTERO RESOURCES APPALACHIAN CORPORATION – VICTOR PAD PERMIT #13-086

filed an

application for a Floodplain Permit to develop land located at or about: SURFACE OWNERS: VICTOR R. AND WANDA F. COX,

BEECH LICK ROAD

NEW MILTON /GREENBRIER DISTRICT, DB: 207/541, TM: 13-8

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours.

Any interested persons who desire to comment shall present the same in writing by November 26th, 2013.

Delivered to the:

Clerk of the County Court

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

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager



Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

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12/02/2013.

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

Date: 12/02/2014

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT

PURPOSE FOR PERMIT: <u>CULVERT EXTENSION + ROX</u>	1 &
ISSUED TO ANTERO RESOURCES	
ADDRESS: DENVER COL.	
PROJECT ADDRESS: NEAR DOUBLE CAMP OF MEAT HOUSE FORK	·
ISSUED BY: Dan Welling	•
DATE: 12/02/2013	C 50.014
CONSTRUCTION MUST START WITHIN 180 DAYS FROM ISSUED DATE. PERMIT EXPIRES IN 12 MONTH-ISSUED DATE. IF EXTENTION IS NEEDED A REQUEST MUST BE MADE IN WRITING STATING A REASON EXTENTION.	FOR THE

THIS PERMIT MUST BE POSTED ON THE PREMISES IN A CONSPICUOUS PLACE SO AS TO BE CLEARLY VISIBLE FROM THE STREET.

FILED

2813 NOV -4 PM 2: 49

BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

ANTERO
RESOURCES

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

November 1, 2013

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

Mr. Wellings:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our Victor Drill Pad Entrance Road. Our project is located in Doddridge County, New Milton and Greenbrier District. Per HEC-RAS study prepared by L & W Enterprises Inc, on June 1, 2013, and FEMA Map 54017C0235C & 54017C0250C, there is no impact from the entrance road improvements to any adjacent property owners. Except for the work associated with the existing culvert extension, the limits of disturbance for the project are outside of the HEC-RAS Calculated Flood Plain.

Attached you will find the following:

- > Doddridge County Floodplain Permit Application and Permit Fee
- Adjacent Surface Owner Data-Exhibit A
- ➤ HEC-RAS Floodplain Study

Shower Redin

- > Improvement Location Permit Application
- > FIRM Map
- A detailed set of plans signed by a WV licensed professional engineer

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 Corporation

Enclosures

13-086 VICTOR PAD

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 SIGNATUR	E. W. Mil	ill	
DATE_	November 1, 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.

APPLICANT'S NAME:_	Antero Resources Corporation - Ward McNeilly, VP of Engineering
ADDRESS: 1625 17th Stre	eet, Denver, CO 80202
TELEPHONE NUMBER	Contact Shauna Redican: 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 - Thomas D. Corathers
ADDRESS:_172 Thompson Drive, Bridgeport,WV 26330
TELEHONE NUMBER: 304-848-5035
PROJECT LOCATION:
NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Victor R. and Wanda F. Cox
ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)
DISTRICT: New Milton/Greenbrier District
DATE/FROM WHOM PROPERTY
PURCHASED: N/A
LAND BOOK DESCRIPTION:
DEED BOOK REFERENCE: 207/541
TAX MAP REFERENCE: 13-8
EXISTING BUILDINGS/USES OF PROPERTY: None
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

<u>ACTIVITY</u>

STRUCTURAL TYPE

Χ	New Struc	ture			()	Residential	(1 – 4 Family)	
[]	Addition Alteration				[]	Residential (more than 4 Family) Non-residential (floodproofing)		
[]					Ö			
[]	Relocation				Ö	Combined Use (res. & com.) Replacement		
[]	Demolition	1			Ö			
[]	Manufact	ured/Mo	bil Home		.,			
В.	OTHER DE	VEOPL	MENT ACTIV	VITIES:				
[]	Fill	[]	Mining	Х	Drilling	: []	Pipelining	
[]	Grading					, .,		
[]	Excavation	(except	for STRUCTUE	RAL DEVI	ELOPMENT	r checked ab	ove)	
[]								
[]	Watercourse Altercation (including dredging and channel modification) Drainage Improvements (including culvert work)							
X			dge Construct	_	•		;	
			ng new expan		•		•	
[]			Sewer System					
[]	Other (plea							
	 	· · · · · · · · · · · · · · · · · · ·				-		

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 \$894,969.15

*See attached Floodplain Calculation Fee

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

	NAME:ADDRESS:	
DDRESS:		
APPLICATION IS FILED AND THE NAME	ERTY AT THE TIME THE FLOODPLAIN PERMIT E AND ADDRESS OF AT LEAST ONE ADULT PERTY THAT MAY BE AFFECTED BY FLOODING AS I STUDY OR SURVEY. NAME: ADDRESS:	
NAME:ADDRESS:	NAME:	

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.

NAM	E (PRINT): Ward McNeilly, VP of Engineering	`
	ATURE: W. Mily	DATE: November 1, 2013
After Admir	completing SECTION 2, APPLICANT should submit form to Instrator/Manager or his/her representative for review.	Floodplain
<u>Adm</u> i	ION 3: FLOODPLAIN DETERMINATION (to be coministrator/Manager or his/her representative)	pleted by Floodplain
THE	PROPOSED DEVELOPMENT:	
THE P	ROPOSED DEVELOPMENT IS LOCATED ON:	
FIRM I Dated	Panel: $235 + 250$: $10/04/201/$	
[] review	Is <u>NOT</u> located in a Specific Flood Hazard Area (Notify approxis complete and NO FLOOPLAIN DEVELOPMENT PERMIT	olicant that the application
X .	Is located in Special Flood Hazard Area. FIRM zone designation 100-Year flood elevation is: 877.24 to 5	883.54_NGVD (MSL)
]	Unavailable	
]	The proposed development is located in a floodway. FBFM Panel No	Dated

See section 4 for additional instructions.

[]

SIGNED Dan Welling

DATE 12/02/2013

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.
0	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 elevationFt. 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:	Other:		
<u>SEC</u>	TION 5: PERI	MIT DETERMINATION (To be completed by Floodplain		
	Administra	ator/Manager or his/her representative)		
	provisions of	nined that the proposed activity (type is or is not) in conformance with the Floodplain Ordinance adopted by the County Commission of Doddridge lay 21, 2013. The permit is issued subject to the conditions attached to and this permit.		
	SIGNED	DATE		
	with the pro	lain Administrator/Manager found that the above was not in conformance visions of the Doddridge County Floodplain Ordinance and/or denied that 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 isFT. NGVD (MSL)
2	Actual (As Built) elevation of floodproofing isFT. NGVD (MSL)
Note:	Any work performed prior to submittal of the above information is at risk of the ant.
SECTION	ON 7: COMPLIANCE ACTION (To be completed by the Floodplain
<u>Admiı</u>	nistrator/Manager or his/her representative).
as appl	odplain Administrator/Manager or his/her representative will complete this section icable based on inspection of the project to ensure compliance with the Doddridge Floodplain Ordinance.
INS	PECTIONS:
	DATE: 12/05/13 BY: Dan Weller DEFICIENCIES? Y/N MMENTS Const. yet to begin.
COI	MMENTS Const. yet to begin.
SECTIO Admin	ON 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain
Autimi	istrator/Manager or his/her representative).
Certifica	te of Compliance issued: DATE:

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

P P	ERMIT NUMBER:ERMIT DATE:
PURPOS	SE —
CONSTRUCTION LOCATION	l:
OWNER'S ADDRESS:	
THE FOLLOWING MUST BE (ADMINISTRATOR/MANAGE	COMPLETED BY THE FLOODPLAIN ER OR HIS/HER AGENT.
COMPLIANCE IS HERE FLOODPLAIN ORDINANCE A DODDRIDGE COUNTY ON M	EBY CERTIFIED WITH THE REQUIREMENT OF THE ADOPTED BY THE COUNTY COMMISSION OF IAY 21, 2013.
SIGNED	DATE

Impact Parcel - COX VICTOR R & WANDA F (SURV) Acres 17.823722 District 4 Map 13 PID 8.1 Book 207 Page 541

	SALEM
FID	2663
DIST	4
MAP	13
PID	8.1
GIS_Link	4-13-8.1
TAXDIST	4
TAXYR	2008
PARID	04 13000800010000
PAR_MAP	13
PAR_MAP1	8
PAR_MAP2	1
OWNTYPE1	
OWNTYPE2	
OWN1	COX VICTOR R & WANDA F (SURV)
OWN2	
ADDR1	
ADDR2	114 Beech Lick Road
ADDR3	SALEM WV 26426
CITYNAME	SALEM

STATECODE	WV
ZIP1	26426
воок	207
PAGE	541
LEGAL1	MEATHOUSE FORK
LEGAL2	25.5 AC
GISJOIN	4-13-8.1
MAPPED_AC	17.823722

Upstream Parcel - ASPY THOMAS D & HELEN L (SURV) Acres 61.47213742 District 4 Map 14 PID 26 Book 205 Page 253

	SALEM
FID	2688
DIST	4
MAP	14
PID	26
GIS_Link	4-14-26
TAXDIST	4
TAXYR	2008
PARID	04 14002600000000
PAR_MAP	14
PAR_MAP1	26
PAR_MAP2	0
OWNTYPE1	

OWNTYPE2	
OWN1	ASPY THOMAS D & HELEN L (SURV)
OWN2	
ADDR1	
ADDR2	RT 3 BOX 47
ADDR3	SALEM WV 26426
CITYNAME	SALEM
STATECODE	wv
ZIP1	26426
воок	205
PAGE	253
LEGAL1	BEECH LICK
LEGAL2	62.50 AC
GISJOIN	4-14-26
MAPPED_AC	61.472137

Downstream Parcel - RYAN KENNETH R SR & HELEN L Acres 32.11335836 District 4 Map 13 PID 7 Book 260 Page 676

VIENNA		
FID	2651	
DIST	4	
MAP	13	
PID	7	
GIS_Link	4-13-7	

TAXYR	2008
PARID	04 13000700000000
PAR_MAP	13
PAR_MAP1	7
PAR_MAP2	0
OWNTYPE1	
OWNTYPE2	
OWN1	RYAN KENNETH R SR & HELEN L
OWN2	(SURV)
ADDR1	
ADDR2	4803 10TH AVE
ADDR3	VIENNA WV 26105
CITYNAME	VIENNA
STATECODE	wv
ZIP1	26105
воок	260
PAGE	676
LEGAL1	MEATHOUSE 27.73 AC
LEGAL2	
GISJOIN	4-13-7
MAPPED_AC	32.113358

TAXDIST

CLEARING & GRUBBING; EROSION & SEDIMENT CONTROLS

Victor Pad

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
MOBILIZATION	1	EA	\$19,140.00	\$19,140.00
CONSTRUCTION ENTRANCE	1	EA	\$3,172.76	\$3,172.76
CLEARING & GRUBBING	0.00	AC	\$4,513.25	\$0.00
TREE REMOVAL	16.32	AC	\$2,953.00	\$48,192.96
8" COMPOST FILTER SOCK	0	LF		\$0.00
12" COMPOST FILTER SOCK	600	LF	\$3.82	\$2,292.00
18" COMPOST FILTER SOCK	824	LF	\$7.94	\$6,542.56
24" COMPOST FILTER SOCK	2,295	LF	\$9.23	\$21,182.85
32" COMPOST FILTER SOCK	2,215	LF	\$14.00	\$31,010.00
JUTE MATTING - SLOPE MATTING	69,000	SY	\$2.13	\$146,970.00
SUPER SILT FENCE	1,000	LF	\$8.48	\$8,480.00
9" STRAW WATTLES	11,500	LF	\$3.11	\$35,765.00
TOTAL				\$322,748.13

RETAINING STRUCTURES

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
CONCRETE BIN BLOCKS (2' x 2' x 6')	0	EA		\$0.00
GABION CAGES WITH STONE (3' X 3' X				
6')	0	EA		\$0.00
HORIZONTAL REINFORCEMENT				
(INSTALL TENSAR TX190 GEOGRID or				
EQUIVALENT)	0	SY		\$0.00
TOTAL				\$0.00

SITE

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
DRILL PAD EXCAVATION	38,773	CY	\$3.75	\$145,398.75
ACCESS ROADS EXCAVATION	36,712	CY	\$4.16	\$152,721.92
TANK PAD and/or FRAC PIT				
EXCAVATION	0	CY		\$0.00
OFFLOAD PAD EXCAVATION	918	CY	\$7.00	\$6,426.00
SPOIL PAD EXCAVATION	0	CY		\$0.00
TRUCK QUEUE / TURNAROUND				
EXCAVATION	0	CY		\$0.00
TOPSOIL	11,000	CY	\$4.09	\$44,990.00
DIVERSION DITCH	0	LF		\$0.00
ROADSIDE DITCH	4,900	LF	\$3.99	\$19,551.00
TOTAL				\$369,087.67

SUMP(S) PER ANTERO RESOURCES STANDARD DETAIL

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
INSTALL 102" x 78" x 44" PRE CAST				
SUMP	5	EΑ	\$844.22	\$4,221.10
VALVE BOX HDPE PIPE (MINIMUM 12"				
DIAMETER x 48" HEIGHT)	5	EA	\$545.50	\$2,727.50
4" PVC CONNECTIVE PIPE (ANTERO				
SUMP DRAIN DETAIL)	300	LF	\$9.42	\$2,826.00
TOTAL				\$9,774.60

AGGREGATE SURFACING -SPREADING, COMPACTION, and/or INSTALLATION

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
DRILL PAD AASHTO #1 (8" THICK)	6,000	TON	\$2.59	\$15,540.00
DRILL PAD 1 1/2" or 3/4" CRUSHER				
RUN STONE (2" THICK)	1,500	TON	\$2.89	\$4,335.00

DRILL PAD GEOTEXTILE FABRIC (US	•••			
200)	12,700	SY	\$1.06	\$13,462.00
*****			,	
ACCESS ROADS 6" OR 4" MINUS				
CRUSHER RUN AGGREGATE (8" THICK)	8,100	TON	\$2.83	\$22,923.00
ACCESS ROADS 1 1/2" OR 3/4"				+/
CRUSHER RUN STONE (2" THICK)	2,025	TON	\$2.95	\$5,973.75
ACCESS ROADS GEOTEXTILE FABRIC	· * · · · ·			. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(US 200)	16,025	SY	\$1.02	\$16,345.50
*INSTALL TENSAR TX190 GEOGRID or				
EQUIVALENT	16,025	SY	\$0.82	\$13,140.50
OFFLOAD PAD/TRUCK				
QUEUE/TURNAROUND 6" OR 4"				
MINUS CRUSHER RUN AGGREGATE (8"				
THICK)	750	TON	\$3.50	\$2,625.00
OFFI OAD DAD/TRUCK				
OFFLOAD PAD/TRUCK				
QUEUE/TURNAROUND 1 1/2" or 3/4"	200	TON	Ć4.00	4000.00
CRUSHER RUN AGGREGATE (2" THICK)	200	TON	\$4.00	\$800.00
OFFLOAD PAD/TRUCK				
QUEUE/TURNAROUND GEOTEXTILE	4.540	C)	44.05	44 005 00
FABRIC (US 200)	1,540	SY	\$1.25	\$1,925.00
*INSTALL TENSAR TX190 GEOGRID or	1.540	GV	ć1 00	64 540 00
EQUIVALENT	1,540	SY	\$1.00	\$1,540.00
TOTAL				\$98,609.75
IVIAL		1		1 730,003.73

ROAD CULVERTS

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
15" HDPE	360	LF	\$20.11	\$7,239.60
18" HDPE	510	LF	\$23.33	\$11,898.30
24" HDPE	0	LF		\$0.00
30" HDPE	0	LF		\$0.00
36" HDPE	0	LF		\$0.00
42" HDPE	0	LF		\$0.00
48" HDPE	20	LF	\$50.00	\$1,000.00
60" HDPE	0	LF		\$0.00
R4 RIP RAP (INLETS/OUTLETS)	140	TON	\$35.69	\$4,996.60
AASHTO #1 STONE (DITCH CHECKS)	20	TON	\$61.10	\$1,222.00
DITCH LINING - (ACCESS ROAD) JUTE				
MATTING	0	SY	\$3.00	\$0.00
DITCH LINING - (ACCESS ROAD)				
SYNTHETIC MATTING (TRM)	2,600	SY	\$3.45	\$8,970.00
DIVERSION DITCH LINING - SYNTHETIC				_
MATTING (TRM)	0	SY		\$0.00
TOTAL				\$35,326.50

FENCING/GATES

	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
4 FT WOVEN WIRE FARM FENCE				
w/MINIMUM 10 FT POST SPACING				
(WOODEN and/or "T" POST)	0	LF		\$0.00
16 FT DOUBLE GATE	0	EA		\$0.00
TOTAL				\$0.00

SEEDING		
•	 	

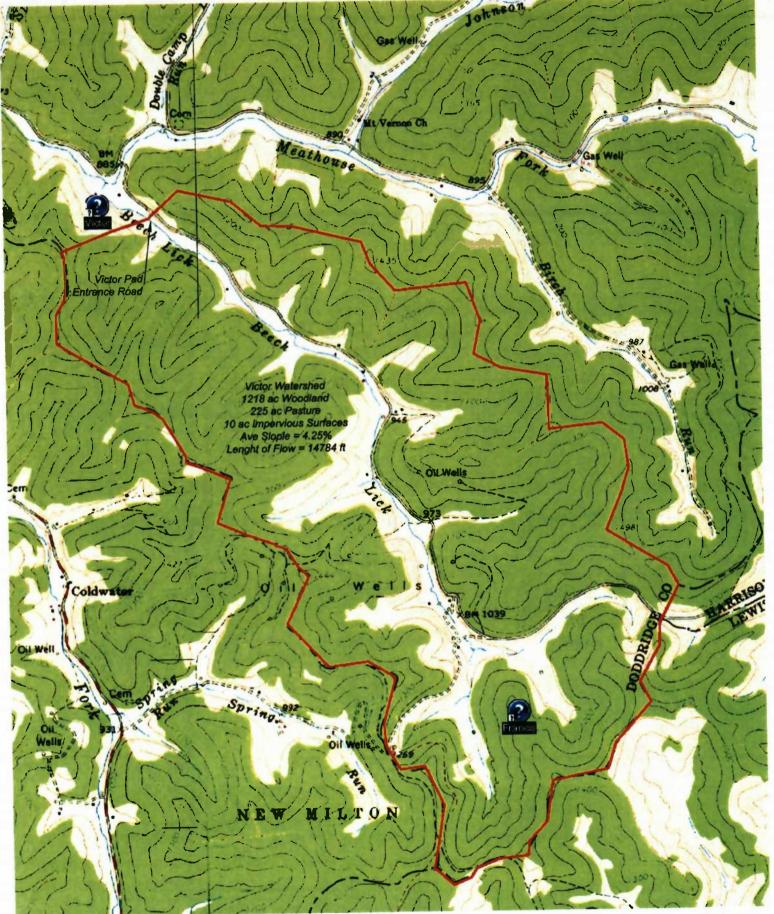
QUANTITY	UNIT	UNIT PRICE	FINAL PRICE

SITE SEEDING (LIME, FERTILIZER,				
SEEDING, AND HYDRO-MULCH w/TACK				
(HYC-2 OR EQUAL))	18	AC	\$3,301.25	\$59,422.50
TOTAL				\$59,422.50

UNFORESEEN SITE CONDITIONS

	<u> </u>			
	QUANTITY	UNIT	UNIT PRICE	FINAL PRICE
*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	\$894,969.15



Enclosure 1

HEC RAS Flood Plain Study of Victor Drill Pad Entrance Road

For Antero Resource Appalachian Corporation

Ву

L&W Enterprises Inc. Petersburg, WV 304-257-4818

June 1, 2013

Study Description

This study, using US Army Corps of Engineers HEC RAS (Vers 4.10) program, will determine the 100 year flood plain within the study area for existing and developed conditions. Antero Resources will improve an existing road and culvert crossing Beech Lick Run within the floodway to a 20' wide travel way. The existing 48" culvert will be extended by 15' and 8" of new stone placed on the road way.

Existing conditions

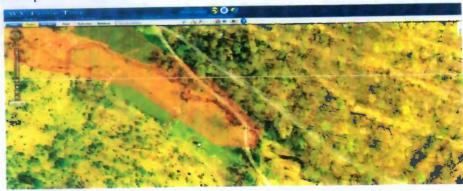
The existing floodway is cut pasture with some trees on the upstream edge. An existing gravel access road crosses Beech Lick Run via a 48" culvert with the road continuing to the south. There is an existing gas well and road and a small pond at the south edge of the valley. The stream runs from south east to north west and is bounded on the north by County Route 25/10 and on the south by the rising mountains. The property in the study area (up and downstream) is owned by Victor and Wanda Cox and Thomas and Helen Aspy. They both have Surface Use Agreements with Antero Resources.

Developed Conditions

The project will improve an existing road and culvert crossing Beech Lick Run within the floodway to a 20' wide travel way. The existing 48" culvert will be extended upstream by 15'with new inlet Rip Rap and 8" of new stone placed on the road way. No other improvements will be made in within the flood plain.

Watershed Description

Enclosure 1 shows the watershed boundaries and conditions overlaid on USGS topo and includes the information required to do the watershed analysis. Values for fields and impervious surfaces were determined by aerial photographs. In general the watershed is typical for the area in Doddridge County. There are steep wooded slopes with relatively wide and flat drainages with meandering streams. This type of watershed will have wide floodways as the low slope stream profile and gradient are not good for stream flow. The water in these types of watersheds tend to rapidly flow from the ridges and accumulate in the floodway and then slowly flow downstream. The area is covered by FEMA Map 54017C0235C and 54017C0250C and is shown as an Approximate Zone A without Base Flood Elevation. Enclosure 2 contains the Firmettes for the study area. The existing Zone A covers a portion of the existing road and the culvert crossing within the flood plain to a point ~30 ft upstream of the existing culvert. Below shows the existing flood plain as shown on the WV Flood Determination Tool.



Watershed Analysis of Peak Flow

The 100 year Peak Flow for the study area was determined using Carlson ServCad Hydrology Module (HydroCad). Runoff curve numbers were assigned to the corresponding areas in the watershed and then weighted accordingly with a resulting weighted CN of 70.8 which was rounded to 71 for analysis purposes. The SCS method was used to determine the Time of Concentration based on the length of flow and average slope. The Time of Concentration for the watershed was calculated to be 172.7 minutes (2.88 hours) which is consistent with this type of watershed. The 100 year storm event is 5.40 inches over a 24 hour period (USDA SCS source).

The resulting 100 year flood event peak discharge was calculated to 927 cubic feet per second (cfs). The results are shown below.

Runoff Curve Number and Ru	naff	Sat Jun 01 07:57:26 2013
Project: Victor Location: Present	By: Checked:	Date: 05/01/13 Date:
Runoff Curve Number (CN) Cover description Woods (Good) Pesture Gressland Range (Go Peved Streets w/ Open Ditche	70 C xxd) 74	Group Area(Acre) 1218.000 C 225.000 C 10.000
CN (weighted): 70.8 Total Area: 1463.000 Acre	,	
Reinfell, P: 5.40 Runoff, Q: 2.403	-Year in 16 in 1.0373 Acre	
Time of Concentration (SCS)		Sat Jun 01 07:58:08 2013
Project: Victor Location: Present	By: Checked:	Date: 06/01/13 Date:
Curve Number: 71 Length of Flaw: 14784,00 ft Average Land Stope: 4.25 % Time of Concentration: 2.878	hrs, 172.7 min	:
Graphical Peak Discharge		Set Jun 01 07:58:52 2013
Project: Victor	By:	Omits: 06/01/13
Location:	Checked:	Date:
Present		
1. Date:		
Drainage area:		
Drainage area:	A = 1453Acre	,
Dramage area:		,
	CN = 71	•
Runoff Curve Number	CN = 71 Tc = 2.88	,
Runoff Curve Number	CN = 71 Tc = 2.88 . = II	,
Runoff Curve Number Time of Concentration: Storm Type:	CN = 71Tc = 2.88= ii	•
Runoff Curve Number Time of Concentration Storm Type Pond and swamp areas at throughout watershed	CN = 71Tc = 2.88=	•
Runoff Curve Number Time of Concentration: Storm Type: Pond and swamp areas at throughout watershed (2. Frequency	CN = 71Tc = 2.88 = il ereed 0.0000 Acres yr = 100in = 5.40	•
Runoff Curve Number Time of Concentration: Storm Type:	CN = 71Tc = 2.88 = il read 0.0000 Acres yr = 100ln = 5.40 = 0.8189	,
Runoff Curve Number Time of Concentration: Storm Type Pond and swamp areas at throughout watershed 2. Frequency 3. Rainfall, P(24-hour) 4. Initial abstraction, ia	CN = 71Tc = 2.88 = ij read 0.0000 Acres yr = 100ln = 5.40 = 0.8169 = 0.1813	
Runoff Curve Number Time of Concentration: Storm Type: Pond and swamp areas at throughout watershed 2. Frequency 3. Raintel P(24-hour) 4. Initial abstraction, ia 5. Compute laP	CN = 71Tc = 2.88	
Runoff Curve Number Time of Concentration: Storm Type:	CN = 71To = 2.88To = 2.88	.46

HEC RAS Analysis

Cross Sections were developed from survey and ortho-digital topography and entered into the HEC RAS program along with stream reach and Mannings roughness coefficients. Because of the flat gradient, a steady state analysis was performed using Normal Depth boundary conditions for the peak flow. The Mannings n coefficients selected were for the normal to minimal range for the stream and overbank areas. Mannings for the stream was n=0.030 as the stream channel is relatively smooth with few obstructions to flow and for the overbanks n=0.035.

Existing and developed analysis were performed to determine the appropriate base flood elevations for the given conditions. The model was run with the existing conditions and then with the road improvements with no difference in the calculated flood plain elevations which is reasonable as the existing road and 48" culvert create an obstruction which causes the water to pool upstream of the crossing prior to passing thru the culvert. The analysis did not show the water overtopping the road surface.

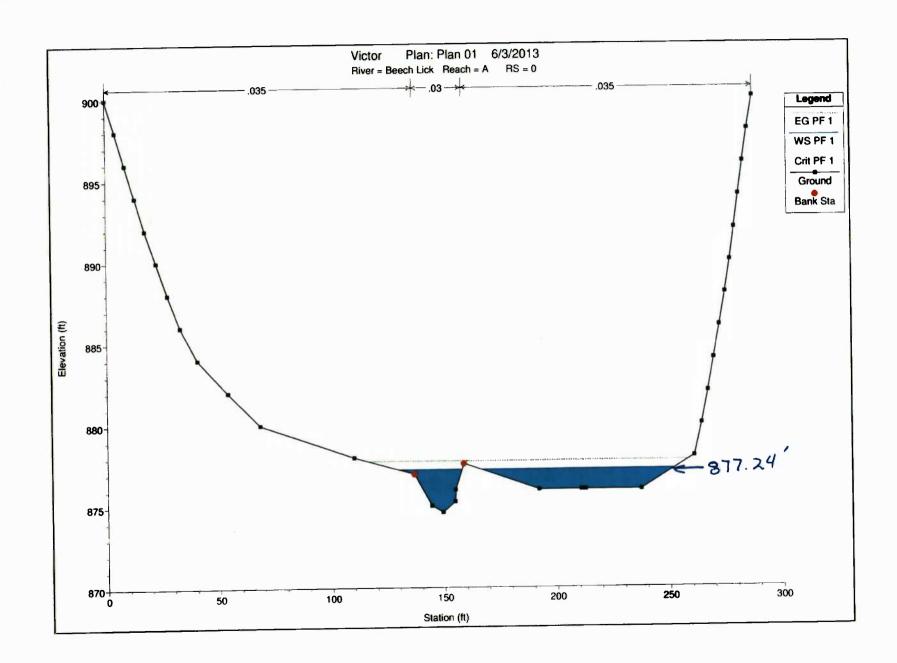
The HEC RAS cross sections for the final conditions are shown in Enclosure 3.

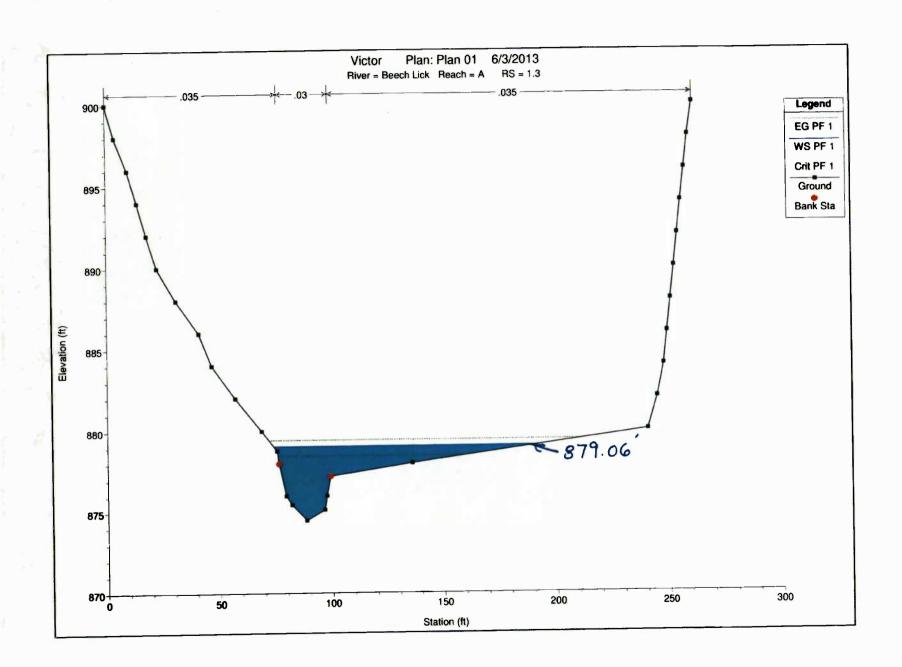
HEC RAS Results

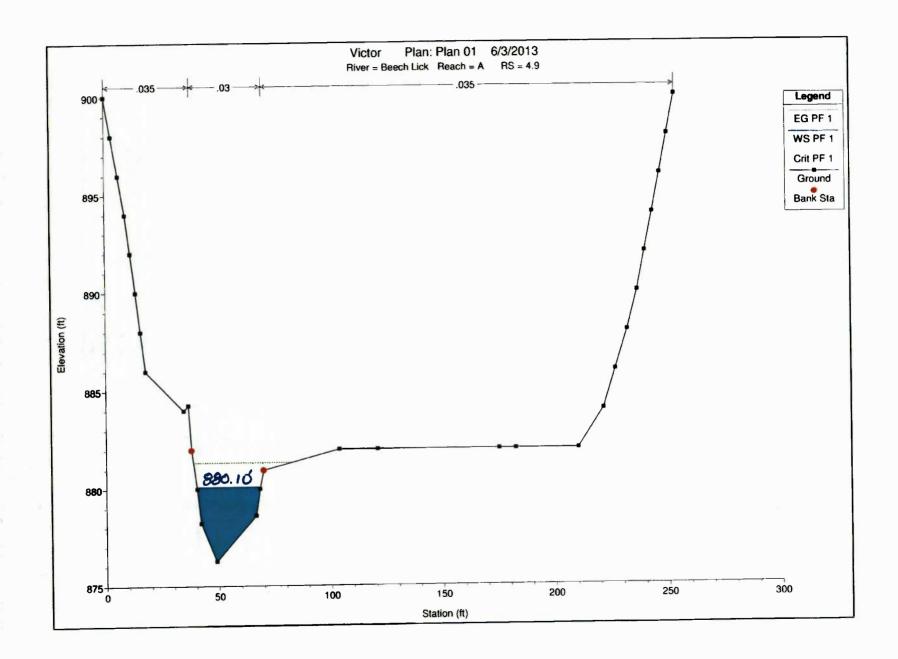
The HEC RAS analysis shows a Base Flood Elevation varying from 877.24 at the downstream extents to 883.54'at the upstream extents. The analysis shows that the improvements to the existing access road and culvert crossing have no effect on the flood plain as the existing structure acts as an obstruction which creates pooling upstream prior to flow passage thru the existing 48" culvert. Downstream of the existing culvert crossing, flood flows remain within the channel for ~100 ft and then spread out over a relatively flat field area which continues downstream. Enclosure 4 is a plan view drawing showing the study area construction, flood plains, cross sections, property ownership and other features. In particular it shows the existing Zone A FEMA floodplain and the calculated HEC RAS developed flood plain.

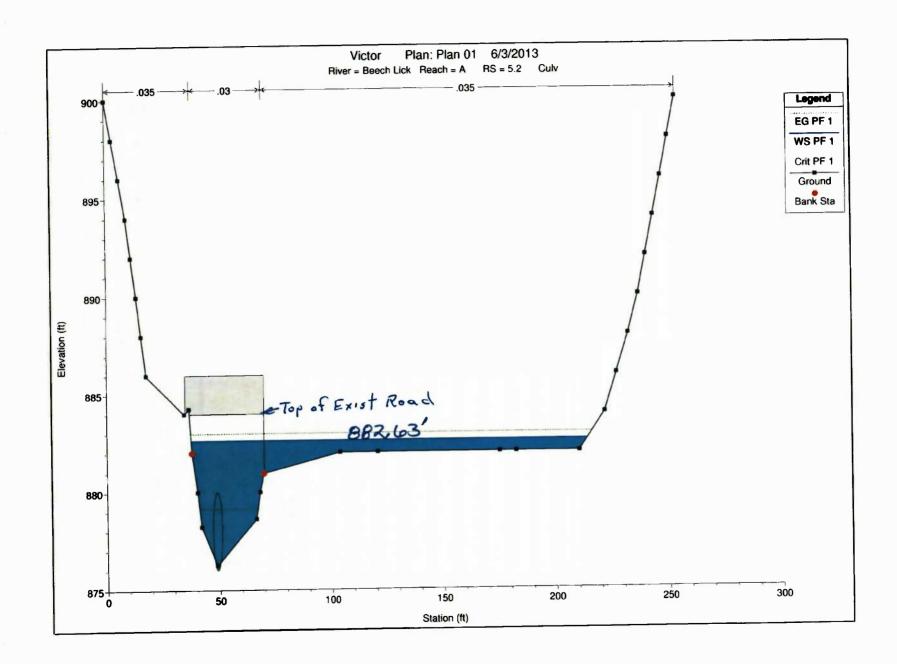
Based on the HEC RAS results, the Base Flood Elevation varies from 883.54 ft at the upstream end of the studied area to 877.24 ft at the downstream end of the study area as shown in Enclosure 4.

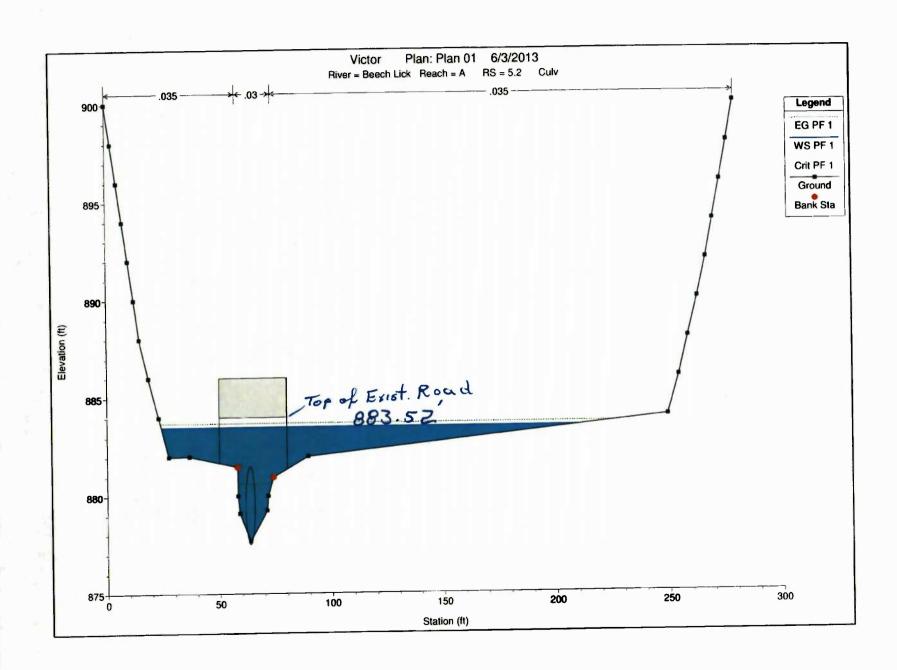
There is no impact from the entrance road improvements to any adjacent property owners. Except for the work associated with the existing culvert extension, the limits of disturbance for the project are outside of the HEC RAS Calculated Flood Plain.

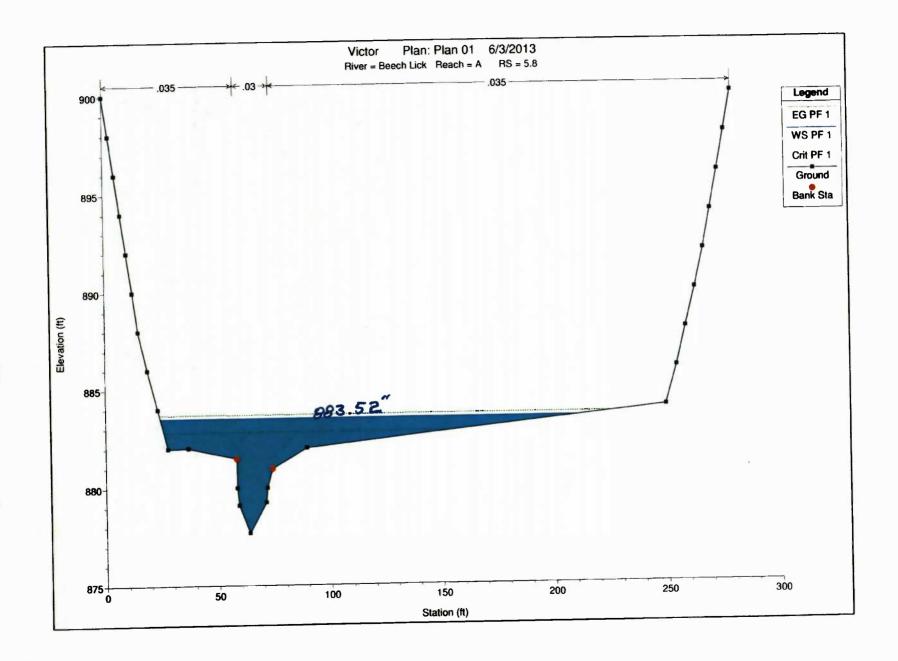


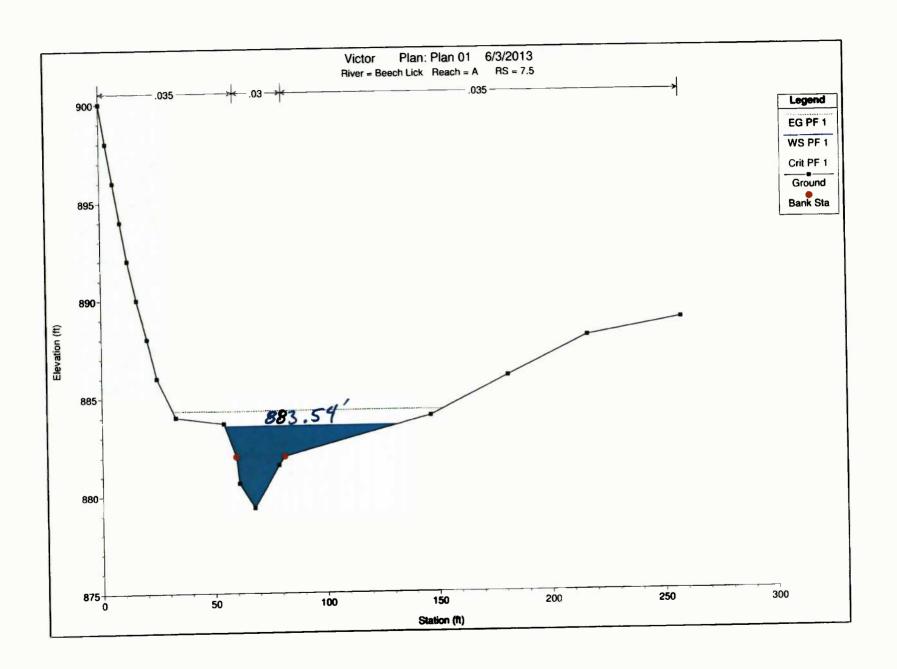












IMPROVEMENT LOCATION PERMIT APPLICATION DODDRIDGE COUNTY, WEST VIRGINIA

DODD	RIDO	SE COUNTY COMMISSION
NEST	UNI	ON, WEST VIRGINIA 26456 PHONE: (304) 873-2631
	~~	NACOCO ACTIVITIES
Α.		OVERED ACTIVITIES
		s application must be completed and submitted to the Doddridge County
		mmission if you intend to do one or more of the following activities in Doddridge
		unty, outside of a municipality.
	1.	
	2.	Alter a building or structure in a way which enlarges the exterior dimensions of the
		building or structure.
	3.	Engage in land-altering activities in a flood-prone area.
В.	ID	ENTIFICATION OF PROPERTY OWNER AND BUILDER
	1.	
		Name: Antero Resource Appalachian Phone: 304-869-3405
		Address: 1625 17th Street, Denver, CO 80202
	2.	Builder or Contractor
		Name: To Be Determined Phone:
C.	ID	ENTIFICATION OF PROPERTY
	1.	District: Greenbrier
	2.	Date/From Whom Property Purchased: NA
	3.	Land Book Description:
		Deed Book Reference: 207-541
		Tax Map Reference: 13-8
	6.	Existing Buildings/Uses of Property: None
D	ID	ENTIFICATION OF INTENDED CONSTRUCTION OR LAND USE
	1.	Briefly describe the intended construction or land use.
	2.	Sketch on a separate 8 ½ x 11 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 sketch.
	4.	Estimated cost of building or structure: \$4,000
		Estimated completion date: Dec 2013

E. NOTES

- 1. The information on this application is true and accurate to the knowledge of the applicant.
- 2. The intended construction or land use identified on this application must be started no later than six (6) months from the date the application is approved.
- 3. In signing this application, it is understood that the Land Development Coordinator or his representative may inspect the property and/or activities identified on this application.
- 4. If the intended construction or land use identified on this application required Health Department's approval, evidence of such approval from the County and/or State must be submitted to the Doddridge County Commission in order to complete this application.

- Property Owner -	Property Owner
SIGNED:	
covenants applying to the subject real estate that I (we) assume full responsibility for com	ction and intended use complies with all restrictive e. And, I (we) agree, understand and acknowledge opliance with any such private land use covenants gal sanctions by court injunction and damages
If your answer is yes, you will be requapplication.	uired to have an elevation certificate with your
(X) YES () NO	·
7. Does your construction or renovat	tion come within the floodplain area?
,	all applicants call and advise local utility companies avoid damage to underground utility lines.
Doddridge County Assessor's	Office
5. Duplicates of this application will be	pe transmitted to:
PUBLIC SEWAGE () YES () NO IF NO	O, SEPTIC TANK PERMIT # <u>NA</u>

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

· ·	
Subdivision Ordinance:	
() Complies	() Does Not Comply () Not Applicable
Floodplain Management	Ordinance:
() Complies	() Does Not Comply () Not Applicable
Flood – Prone:	
() Yes	() No FIRM Panel No
Aerial No.	
Application Approved. F	Permit Issued:
Permit No.	Permit Expires:

255000 FT ZONEA 250000 FT 245000 FT Little Indian For Spring Run JOINS PANEL 0265



MAP SCALE 1" = 2000'

עיני

1

PANEL 0250C

FIRM

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

PANEL 250 OF 325

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY DODDRIDGE COUNTY JUMBER PANEL 540024 0250

NEL SUFFIX

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.

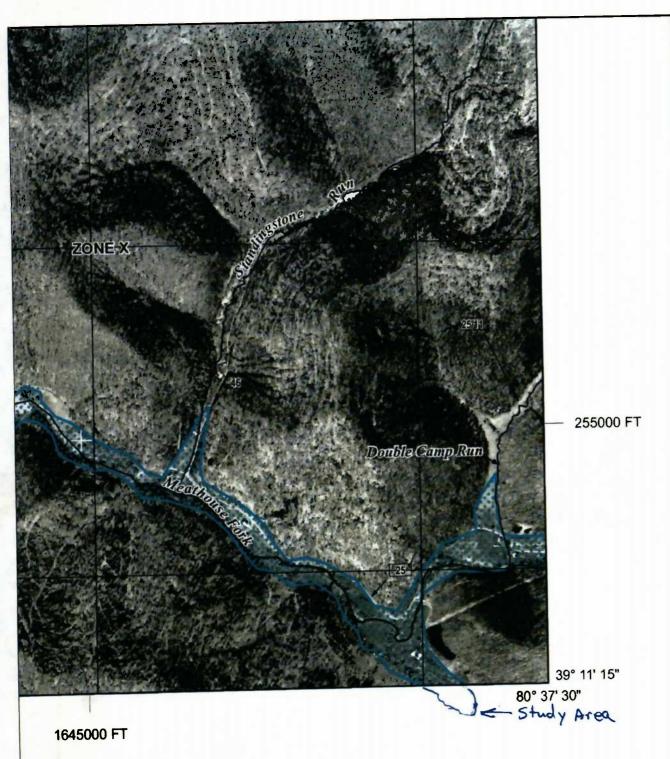


MAP NUMBER 54017C0250C MAP REVISED OCTOBER 4, 2011

Federal Emergency Management Agency

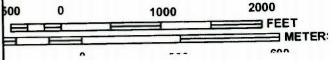
Encl 2 4

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





MAP SCALE 1" = 1000'





PANEL 0235C

FIRM

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

PANEL 235 OF 325

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY DODDRIDGE COUNTY NUMBER

NEL SUFFIX

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 54017C0235C MAP REVISED OCTOBER 4, 2011

Federal Emergency Management Agency

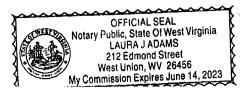
Enel 26

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 letest product information about National Flood insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

al ten	ra raleg	ALADVI	ERTISEM	ENT	Nouted to
1	Lord N	Doddridg	e County		Marin
Sa Wha	Flood	plain Peri	mit Applic	ation	
Please	take notice	that on t	hê 6 th day	of Novembe	r, 2013
ANIE	RO RE	SOURC	ES A	PALAC	HIAN
CORPC	RATION:	- VICTO	R PAD	PERMIT:	113.086
filed an	applicatio	n for a F	loodplain-	Permit to	levelon
land loc	ited at or a	bout: SUR	FACEO	VNERS: VI	CTOR
R. AND	WANDAI	COX, B	EECH LI	CK ROAD	NEW
MILTO	N/GREEN	BRIER	DISTRIC	Γ. DB: 2	07/541
TM:13			18.00	电路影响的	GEORGE
The A	pplication	is on file v	vith the C	erk of the (ounty
Courtin	nd may be	inspected	1 or conie	d during	
pusiness	hours! A	ny interes	ted perso	ns who de	sire to
commen	t shall pres	ent the sa	me in wri	ing by Nov	ember
26%, 201	0.2	ALL IS TO TAKE	With the	Service .	
7715	The State of	Delivered	lo the C	in air pag	45
W. 344	Cler	k of the C	ounty Cor	in	
11				WV 26456	
N B	eth A. Rog	ers: Dodd	ridge Cou	ntv.Clerk	0 - 7
Dan We	lines: Dod	dridge Go	unty Floo	d Plain Ma	nader
化化水 化	To o year	"通过"	" 据是自分"。		2-2xb

GOUNTY OF DODDRIDGE, TO WIT
I, Virginia Nicholson, Editor of THE HERALD RECORD, a weekly newspaper published regularly, in Doddridge County, West Virginia, Do Hereby Certify Upon Oath That the Accompanying Legal Notice Entitled:
Floodpain Permit application
Permit # 13-086
, , , , , , , , , , , , , , , , , , ,
was published in said paper for
successive weeks beginning with the issue
of November 12 2013 and
ending with the issue of
November 12 2013 and
that said notice contains
WORD SPACE at 6 1 5 cents a word
amounts to the sum of \$ 21.74
FOR FIRST PUBLICATION, SECOND PUBLICATION IS 75% OF THE FIRST PUBLICATION
s
s 21.74 TOTAL
EDITOR
Virginia Nicholson
SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE 12 The DAY
OF Movember 2013
Haura J. adams

STATE OF WEST VIRGINIA,



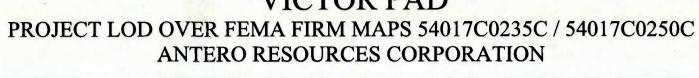


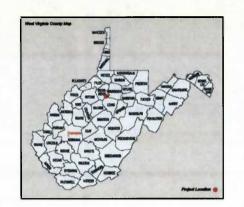
Culvert extension site prior to construction located on Beech Lick of Meathouse Fork

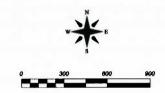
12/05/2013 DJW

VICTOR PAD









Indian Fork	WOODPOUR RESERVE	
58		25
	FIRM MAP # \$4057668356	
		ZONEA
ZONEA		
58		

NEW MILTON / GREENBRIER DISTRICT
DODDRIDGE COUNTY, WV
HEADWATERS MIDDLE ISLAND CREEK / MEATHOUSE FORK WATERSHEDS

FLOODPLAIN (CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE	PLACE IN FLOODPLAIN:	YES
PERMIT NEEDED FROM COUNTY FLOODPLA	IN COORDINATOR:	YES
HEC-RAS STUDY COMPLETED:		YES
FLOODPLAIN SHOWN ON DRAWINGS:		YES
FIRM MAP NUMBER(S) FOR SITE:	54017C0235C / 540	17C0250C
ACREAGES OF CONSTRUCTION IN FLOODPL	AIN: 0.01	Acres



Double Camp Ran

L&W ENTERPRISES, INC.





VICTOR PAD

Date: 8/19/13 Scale: 1" = 300' Designed By: CKW/CKM

S 25-11	Well Table	
Prop. Well Standings Unit 1H WH-N HADES N: 251926.00 WH-N NADES 25.1847834.87 LAT NADES: 38.1841338 LON HADES: -80.6308019	Prop. Well Sherwood Unit 2H W-N NADES N: 251924-17 W-N NADES 2: 1847925.10 LAT NADES: 38.1841270 LON NADES: 40.6309683	Prop. Well Sherwood Unit 1H W-H NADES N: 251922.26 W/-H NADES E: 1647915.36 LAT NADES: -50.6310305
Prop. Well Unessigned Unit 1 W-N NADES II: 261920.00 W-N NADES II: 164796.63 LAT NADES: 40.6310647 LON NADES: 40.6310647	Prop. Well Unessigned Unit 2 W-N HADSS II: 251917.75 W-N HADSS II: 1647165.80 LAT HADSS: 36,1661076 LON HADSS: 40,6310600	Prop. Well Unessigned Unit 3 WY-N NADES N: 261916.50 WY-N NADES E: 1647806.14 LAT NADES: 30.1861011 LON NADES: -00.8311333

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

John Kawcak, Engine 817-368-1553

Anthony Smith, Field Engineer 304-869-3405 Off. 304-673-6196 Cell

Antero will obtain an Encroachment Permit (Form MM-109) from the West Virginia Department of Transportation Division of Highways, prior to commencement of any

All 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

* 100' from edge of disturbance to perennial streams, natural or artificial lake, pond or reservoir. Wetlands 4, 7, 8, & 9 are impacted by by Road A and Wetlands 10, 11, & 12 are impacted by the Drill Pad. Army Corps. of Engineers Nationwide Permits required for these wetland impacts.

* 300' from edge of disturbance to a naturally reproducing trout stream.

* 1000' of a surface or ground water intake to a public water supply.

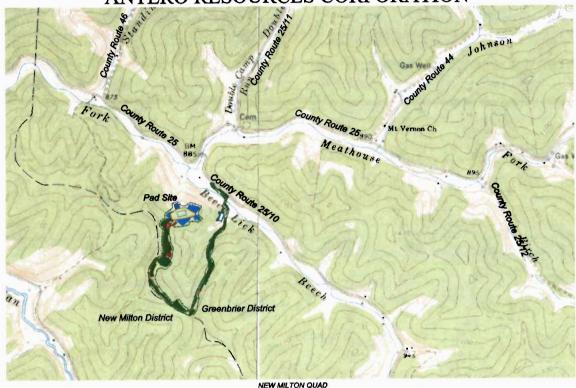
FLOODPLAIR	CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAK	E PLACE IN FLOODPLAIN:	YES
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:		
HEC-RAS STUDY COMPLETED:		YES
FLOODPLAIN SHOWN ON DRAWINGS:	11	YES
FIRM MAP NUMBER(S) FOR SITE:	54017C0235C / 54	017C0250C
ACREAGES OF CONSTRUCTION IN FLOODI	PLAIN: 0.0	l Acres

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!!



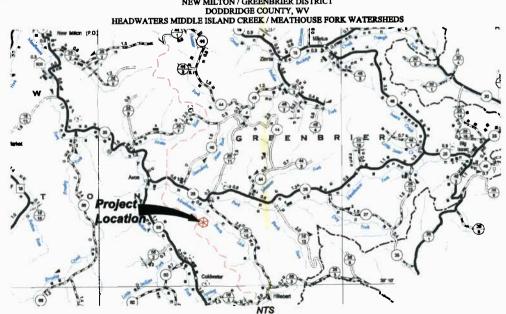
VICTOR PAD

SITE DESIGN, CONSTRUCTION PLAN, & **EROSION & SEDIMENT CONTROL PLANS** ANTERO RESOURCES CORPORATION



0 100	00 2000	3000		
S	ITE LOCATIONS NAD 83			
Begin Acc. Road (UTM Meters) N=4337712.31 m E=532084.27 m				
Center of Drill Pad (UTM Materia)		E=531866.34 m		
	LATTTUDE	LONGITUDE		
Begin Access Road	39.1880640	-80.8284917		
Center of Drill Ped	39.1861095	-80.6310254		

NEW MILTON / GREENBRIER DISTRICT





West Virginia State Plane Coor North Zone, NAD83 Elevations Based on NAVD88

thed By Survey Grade GPS & OPUS Post-Processing

Prop	erty Ow	ner Infon	mation -	Victor Pad	
New Milto	New Milton / Greenbrier District - Doddridge County				
Owner	TM/Parcel	Deed/Page	Total Acres	Type of Disturbance	Acreage
Victor R. Cox and	13/8.1	207/541	25.5	Road A	0.02
Wanda F. Cox	127/144				
				Total	0.02
Victor R. Cox and	13/8	207/541	40.32	Road A	1.11
Wanda F. Cox				Road B	0.18
				Tank Offload Pad	0.08
				Drill Pad	3,50
			- 10	Total	4.87
Thomas D. and	14/26	205/253	62.5	Road A	0.26
Helen L. Aspy				Road B	0.01
				Total	0.27
Chad W. Johnson, et al	13/10	271/90	63.631	Road A	10.92
			10 2	Road B	0.03
				Tank Offload Pad	0.31
				Total	11.26
Chad W. Johnson, et al	13/9	271/90	24	Tank Offload Pad	0.16
				Road A	3.56
				Drill Pad	4.50
				Total	8.22
Elton D. Patton, et al	16/24	186/226	52 Acres	Road A	0.52
		-	-	Total	0.52
Brooks J. Gum	16/19	128/8	32.4	Road A	3,32
	1			Total	3.32
				Grand Total	28.48

LOD Area (ac)	
Road A (6,290 feet)	19.71
Road B (255 feet)	0.22
Drill Pad	8.00
Tank Offload Pad	0.55
Total Affected Area	28.48
Total Wooded Acres Disturbed	16.32
Total Linear Feet of Access Road	6,545

	Ephemera	Stream Impact	(Linear fee	t)	
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures Fill (LF)	Slope Fill (LF)	Constr. Disturb. To LOD (LF)	Total Impac (LF)
	0	0	0	0	0
Total Ephemeral Impact	0	0	0	0	0

Intermittent Stream Impact (Linear feet)							
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures (LF)	Slope Fill (LF)		Total Impact		
Stream 2 (Access Road A)	0	6	0	4	10		
Total Intermittent Impact	0	6		4	10		

Perennial Stream Impact (Linear feet)							
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures (LF)	Slope Fill (LF)	Constr. Disturb. To LOD (LF)	Total impact (LF)		
Stream 1 (Access Road A)	15	7	0	0	22		
Total Perennial Impact	15	7		0	22		
	-	Tot	al Stream Impa	ects	32		

Total Stream impacts							
Wetland Impact (Square feet)							
Wetland and Impact Cause	Fill (SF)	Constr. Disturb. To LOD (SF)	Total Impa (SF)				
Wetland 4 (Access Road A)	10	532	542				
Wetland 7 (Access Road A)	ō	918	918				
Wetland 8 (Access Road A)	0	1106	1106				
Wetland 9 (Access Road A)	71	234	305				
Wetland 10 (Drill Pad)	0	277	277				
Wetland 11 (Drift Pad)	0	70	70				
Wetland 12 (Drill Pad)	0	72	72				
Total Square Feet	81	3209	3290				
	0.04	0.07	0.00				

DRAWING INDEX

1 COVER SHEET/LOCATION MAP

2 SCHEDULE OF QUANTITIES

3 CONSTRUCTION, EROSION, & SEDIMENT CONTROL NOTES

4 EXISTING CONDITIONS

5 PLAN SHEET INDEX

6-11 SITE PLANS

12-13 ACCESS ROAD A CROSS SECTIONS

14 DRILL PAD BASELINE PROFILE & CROSS SECTIONS

16 RECL

LAMATION PLAN		Date: 2/25/13
DATE	REVISIONS	Scale: N/A
6-7-13	Updated Per New Antero Standards	Designed By: CKW/CKM
8-19-13	Updated Per New Antero Standards (Sheets: 1, 2, 3, 11, 15, & 16)	File No. Antero 211-12
8-21-13	Updated Wetlands Delineation (Sheets: 1, 4, 5, & 6)	Page 1 of 16





ENTERPRISES, INC.





VICTOR PAD

SCHEDULE OF QUANTITIES

CLEARING & GRUBBING EROSION & SEDIMENT CONTROLS	Victor Pad			
المن المستقد المنظم	QUANTITY	UNIT	UNIT PRICE	FINAL PRIC
MOBIUZATION	1	EA		\$0.00
CONSTRUCTION ENTRANCE	1 1	EA		\$0.00
CLEARING & GRUBBING (TOTAL TREE REMOVAL 16.32 ACRES)	28.48	AC		\$0.00
8" COMPOST FILTER SOCK	0	LF		\$0.00
12" COMPOST FILTER SOCK	600	UF		\$0.00
18" COMPOST FILTER SOCK	824	UF		\$0.00
24" COMPOST FILTER SOCK	2,295	LF .		\$0.00
32" COMPOST FILTER SOCK	2,215	I.F	_	\$0.00
JUTE MATTING - SLOPE MATTING	69,000	SY		\$0.00
	1,000	J.F		\$0.00
SUPER SILT FENCE		T UF		\$0.00
9" STRAW WATTLES	11,500	+ "	-	\$0.00
TOTAL	 	+-	i i	\$0.00
RETAININGSTRUCTURES		<u>: </u>		
	QUANTITY		UNIT PRICE	
CONCRETE BIN BLOCKS (2' x 2' x 6')	0	EA	ļ	\$0.00
GABION CAGES WITH STONE (3' X 3' X 6')	- 0	ÉA	—	\$0.00
HORIZONTAL REINFORCEMENT (INSTAUL TENSAR TX 190 GEOGRID or EQUIVALENT) TOTAL	- <u>-</u>	SY		\$0.00
IOTAL		+		30.00
SITE - UNCLASSIFIED EXCAVATION				
	QUANTITY		UNIT PRICE	
DRILL PAD EXCAVATION	38,773	CY		\$0.00
ACCESS ROADS EXCAVATION	36,712	CY		\$0.00
TANK PAD and/or FRAC PIY EXCAVATION	0	CY		\$0.00
OFFLOAD PAD EXCAVATION	918	CY		\$0.00
SPOIL PAD EXCAVATION	0	CY		\$0.00
TRUCK QUEUE / TURNAROUND / PARKING AREA EXCAVATION	0	CY		\$0.00
TOPSOIL	11,000	CY		\$0.00
DIVERSION DITCH	0	LF		\$0.00
TOTAL	T			\$0.00
		1	:	•
SUMP(S) PER ANTERO RESOURCES STANDARD DETAIL	QUANTITY	LUMIT	UNIT PRICE	EINAL DD
INCREASE ADDITION AND DESCRIPTION OF DETAIL	5	EA	ONIT PRICE	\$0.00
INSTALL 102" x 78" x 44" PRE CAST SUMP PER DETAIL TOTAL		- EA		\$0.00
		ļ.,		
AGGREGATE SURFACING - SPREADING, COMPACTION, and/or INSTALLATION		1		
DALL DAD CE OD ALADDU C CRUCUCO DUDA ACCORCATE (CETULON)	QUANTITY 4,500	TON	UNIT PRICE	\$0.00
DRILL PAD 6" OR 4" MINUS CRUSHER RUN AGGREGATE (6" THICK)		TON		
DRILL PAD 1 1/2" or 3/4" CRUSHER RUN STONE (2" THICK)	1,500			\$0.00
DRILL PAD GEOTEXTILE FABRIC (US 200)	12,700	SY	 	\$0.00
ACCESS ROADS 6" OR 4" MINUS CRUSHER RUN AGGREGATE (8" THICK)	8,100	TON		\$0.00
ACCESS ROADS 1 1/2" OR 3/4" CRUSHER RUN STONE (2" THICK)	2,025	TON		\$0.00
ACCESS ROADS GEOTEXTILE FABRIC (US 200)	16,025	SY		\$0.00
*INSTALL TENSAR TX190 GEOGRID or EQUIVALENT	16,025	SY		\$0.00
				30.51
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND 6" OR 4" MINUS CRUSHER RUN AGGREGATE (8" THICK)	750	TON		\$0.00
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND 1 1/2" or 3/4" CRUSHER RUN AGGREGATE (2" THICK)	200	TON		\$0.00
	1,540	SY	ļ	\$0.00
OFFLOAD PAD/TRUCK QUEUE/TURNAROUND GEOTEXTILE FABRIC (US 200)		SY		\$0.00
OFFI.OAD PAD/TRUCK QUEUE/TURNAROUND GEOTEXTILE FABRIC (US 200) *INSTALL TENSAR TX190 GEOGRID or EQUIVALENT	1,540			
	0	TON		\$0.00
"INSTALL TENSAR TX.190 GEOGRID or EQUIVALENT PARKING AREAS 6" OR 4" MINUS CRUSHER RUN AGGREGATE (8" THICK)		TON		\$0.00 \$0.00
*INSTALL TENSAR TX190 GEOGRID or EQUIVALENT				

* Toe Key Excavation	Incidental to	Unclassified	Excavation =	13,700 CY
----------------------	---------------	---------------------	--------------	-----------

S		•		
TANK PAD 5" OR 4" MINUS CRUSHER RUN AGGREGATE (8" THICK)	0	TON		\$0.00
TANK PAD 1 1/2" or 3/4" CRUSHER RUN AGGREGATE (2" THICK)	0	TON		\$0.00
TANK PAD GEOTEXTILE FABRIC (US 200)	. 0	SY		\$0.00
*INSTALL TENSAR TX190 GEOGRID or EQUIVALENT	0	SY		\$0.00
TOTAL				\$0.00
ROAD CULVERTS	QUANTITY	UNIT	UNIT PRICE	CINAL DOL
15" HDPE	360	UF	OHII FRICE	\$0.00
18" HDPE	510	IF.		\$0.00
24" HDPE	0	UF		\$0.00
30" HDPE	0	UF		\$0.00
36" HDPE	, 0	UF		\$0.00
42" HDPE	0	UF		\$0.00
48" HDPE	20	UF		\$0.00
60" HDPE	0	LF		\$0.00
R4 RIP RAP (INLETS/OUTLETS)	165	TON		\$0.00
AASHTO #1 STONE (DITCH CHECKS)	20	TON		\$0.00
DITCH LINING - (ACCESS ROAD) JUTE MATTING	0	SY		\$0.00
DITCH LINING - (ACCESS ROAD) SYNTHETIC MATTING (TRM)	2,600	SY		\$0.00
DIVERSION DITCH LINING - SYNTHETIC MATTING (TRM)	0	SY		\$0.00
TOTAL				\$0.00
have a second and a second a second and a second a second and a second a second and		:		
FENCING/GATESI		ļ		
	QUANTITY		UNIT PRICE	
8 FT CHAIN LINK FENCE w/ 3 STRAND BARB WIRE MINIMUM 10 FT POST SPACING (WOODEN and/or "T" POST)	0	LF.		\$0.00
16 FT DOUBLE GATE	. 0	EA		\$0.00
TOTAL		-		
SELDING	ļ		<u> </u>	
	QUANTITY	_	UNIT PRICE	_
SITE SEEDING (LIME, FERTILIZER, SEEDING, AND HYDRO-MULCH w/TACK (HYC-2 OR EQUAL))	18	AC		\$0.00
TOTAL		ــــــــــــــــــــــــــــــــــــــ	ļ	\$0.00
		Ŀ		
UNFORESEEN SITE CONDITIONS	QUANTITY	LINIT	UNIT PRICE	FINAL PR
* ROCK CLAUSE - HOE RAMMING	0.0	CY		\$0.00
* FRENCH DRAINS	0.0	CY	_	\$0.00
* PHASE 1 FENCING - STEEL CORRUGATED PANELS W/"T" POST (10 FT CENTERS) - WETLAND PROTECTION	0.0	CY		\$0.00
PHASE 2 FENCING - SILT FENCE AND OR FILTER SOCK OUTSIDE OF PHASE 3 FENCING - WETLAND PROTECTION	0.0	CY		\$0.00
* PHASE 3 FENCING - ORANGE SAFETY FENCE w/"T" POST (10FT CENTERS) - WETLAND PROTECTION	0.0	CY	i	\$0.00
* 4 FT FARM FENCING (WOOD CORNER AND PULL POST & "T" POST - 10 FT SPACING)	0.0	CY		\$0.00
* 5 STRAND BARB WIRE FENCE (WOOD CORNER AND PULL POST & "T" POST - 10 FT SPACING)	0.0	CY		\$0.00
* SILT FENCE	. 0.0	FT		\$0.00
* TEMPORARY SEEDING	0.0	UF		\$0.00
*CONSTRUCTION STAKEOUT	0.0	U		\$0.00
* JUTE MATTING - SLOPE MATTING	0.0	LF		\$0.00
* 18" COMPOST FILTER SOCK	0.0	AC		\$0.00
* 24" COMPOST FILTER SOCK	0.0	HOUR		\$0.00
* 32" COMPOST FILTER SOCK	0.0	SY		\$0.00
TOTAL		I		\$0.00
ANTERO RESOURCES WILL PROVIDE THE FOLLOWING:	GRAND TOTAL		i	\$0.00
102" x 78" x 44" PRE CAST SUMP		1		
VALVE FOR SUMP DISCHARGE				
TX 190 GEOGRID OR EQUIVALENT	•		,	1.
GEOTEXTILE FABRIC (US 200) OR EQUIVALENT				
ALL HDPE OR CMP CULVERTS				
ALL STONE PRODUCTS				

The quantities provided are an estimate for consideration. The quantities shown may be greater or less than actually excavated. The engineer is not responsible for variances from the estimated quantities and does not certify to their accuracy.

Victor Pad Quantities							
Description	Cut (CY)	Fill (CY)	Spoil (CY)	Borrow (CY)	Max. Slope	Length Of Slope	
Road A	36,700	58,371	n/a	21,671	19.54%	1200 feet	
Road B	12	244	n/a	232	8.32%	150 feet	
Drill Pad	38,773	18,884	19,889	n/a	n/a	n/a	
Tank Offload Pad	918	563	355	n/a	n/a	n/a	
Totals	76,403	78,062	20,244	21,903	n/a	n/a	
	Total Spoi	il (CY) =	-1,659	(Excess Sp	oil Capacity)		

The earthwork quantities provided are an estimate for consideration. The quantities shown may be greater or less than actually excavated. The engineer is not responsible for variances from the estimated quantities and does not certify to their accuracy.

DATE

6-7-13

8-19-13







REVISIONS

Updated Per New Antero Standards

Updated Per New Antero Standards

VICTOR PAD

SCHEDULE OF QUANTITIES

Date: 2/25/13

	Scale: N/A
	Designed By: CKW/CKM
	File No. Antero 211-12
•	Page 2 of 16

EARTHWORK & CAPACITY REPORTS

Access Road A Farthwork Report Processing 0+00.000 to 62+97.256 Cut Swell Factor: 1.050 Fill Shrink Factor: 1.000 Total Cut: 1909000 C.F., 36700.00 C.Y. Total FIL: 1576017 C.F., 58371.00 C.Y. Cut to FIII Reto: 0.62

Access Road B Earthwork Report
Processing 0+00.000 to 2+55.879
Cut Swell Fector: 1.050
Fill Shrink Fector: 1.000
Total Cut: 347.348 C.F., 12.885 C.Y.
Total Fill: 6935.06 C.F., 244.281 C.Y.
Betance Import: 231.386 C.Y.
Cut to Fill Ratio: 0.05

Drill Pad Earthwork Report

Top of pad elevation: 1155.0000 Cut slope percent grade: 68.67, slope ratio: 1.50 FIII slope percent grade: 50.00, slope ratio: 2.00 Cut Swell Feator: 1.05 FIII Shrink Fector: 1.00

Ped Earthwork Volumes Total cut : 1,048,885.2 C.F., 38,773.53 C.Y. Total fill: 509,885.2 C.F., 18,884.67 C.Y. Belance Export: 637,001.7 C.F., 19,888.95 C.Y. Area: 223699.3 Sq.Ft., 5.135 Acres

Offload Pad Report

	rk Volumes
Total cut: 24	,789.7 C.F., 918.14 C.Y.
Total fill: 15,2	04.1 C.F., 563.11 C.Y.
Balanca Exp	ort: 9,585.6 C.F., 355.02

CONSTRUCTION, EROSION AND SEDIMENT NOTES

IMPOUNDMENT / ASSOCIATED PIT CONSTRUCTION SPECIFICATIONS:

(THESE NOTES DO NOT APPLY WHEN IMPOUNDMENTS / FRAC PITS ARE NOT REQUIRED IN THE PLANS)

- THE IMPOUNDMENT/ASSOCIATED PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE SCOPE OF WORK AND SHALL CONFORM
 WITH THE DOLLIES DESIGN DESTRICATION DESIGNATIONS SHOWN

- 18. PRIOR TO ADDIEST CERTIFICATION, THE CONTRACTOR SIMIL PROVIDE THE ENGINEER WITH A COMPLETE BYDER THAT INCLIDES ALL PHOTO DOCUMENTATION, ALL COMPACTION TES REPORTS, RESULTS AND MAPS, A REPORT OF ALL CUT AND FILL VOLUMES IN CUSIC YARDS, AND A COPY OF THE ASSAULT CONFISMATION SURVEY PRIOR TO LINES PLACEMENT.

GENERAL NOTES

- WORK ON THIS PROJECT SHALL CONFORM TO THE OFFICE OF OIL & GAS, W.V.A. EROSION & SEDIMENT CONTROL FIELD MANUAL, MAY, 2012. IN THE EVENT OF CONFILCT RETWEEN THE DESIGN. SPECIFICATIONS, OR PLANS, THE MOST STRINGENT WILL GOVERN.

- FILL SHALL BE PLACED IN LIFTS AT A MAXIMUM UNCOMPACTED DEPTH OF 12-INCHES WITH SOIL FREE FROM AGGREGATES EXCEEDING 8".

- TRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.

- - C. LIME (PERMANENT SEEDING) AGRICULTURAL LIME SPREAD AT RATE OF 4 TONS/ACRE, WORK INTO SOIL PRIOR TO SEEDING.

- C. CONSTRUCT ALL PROPOSED SEDIMENT CONTROL DEVICES AS SOON AS CLEARING AND GRUBBING OPERATIONS ALLOW. DIVE SEDIMENT BASINS SHALL BE SEEDED AND MILCHED IMMEDIATELY.

- Q. WHEN FINAL GRADE IS ACHIEVED, TOPSOIL TO BE PLACED ON ALL DISTURBED AREAS NOT LINED. SEED ALL DISTURBED AREAS AS REQUIRED. A SOIL SAMPLE IN TAKEN THE FOLLOWING PATES SHOULD BE SAMPLE IN TAKEN THE FOLLOWING PATES SHOULD BE APPLIED AS A MOVIMAL LINE AT A RATE OF 4 TOMS PER ACRE. FERTILIZE AT A RATE OF 500 LBS. OF 10-20-10 PER ACRE. SEED WITH 45 LBS. PER ACRE. OF TALL FESSUE AND 20 LBS. PER ACRE. SEED WITH 45 LBS. PER ACRE.
- H. LIME, FERTILIZER, AND SEED WILL BE APPLIED BY HAND OR USING A HYDRO-SEEDER. HYDRO-MULCH PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- L FINAL SEEDING MUST OCCUR WITHIN 7 DAYS OF FINAL GRADING.





NC.

ENTERPRISES,



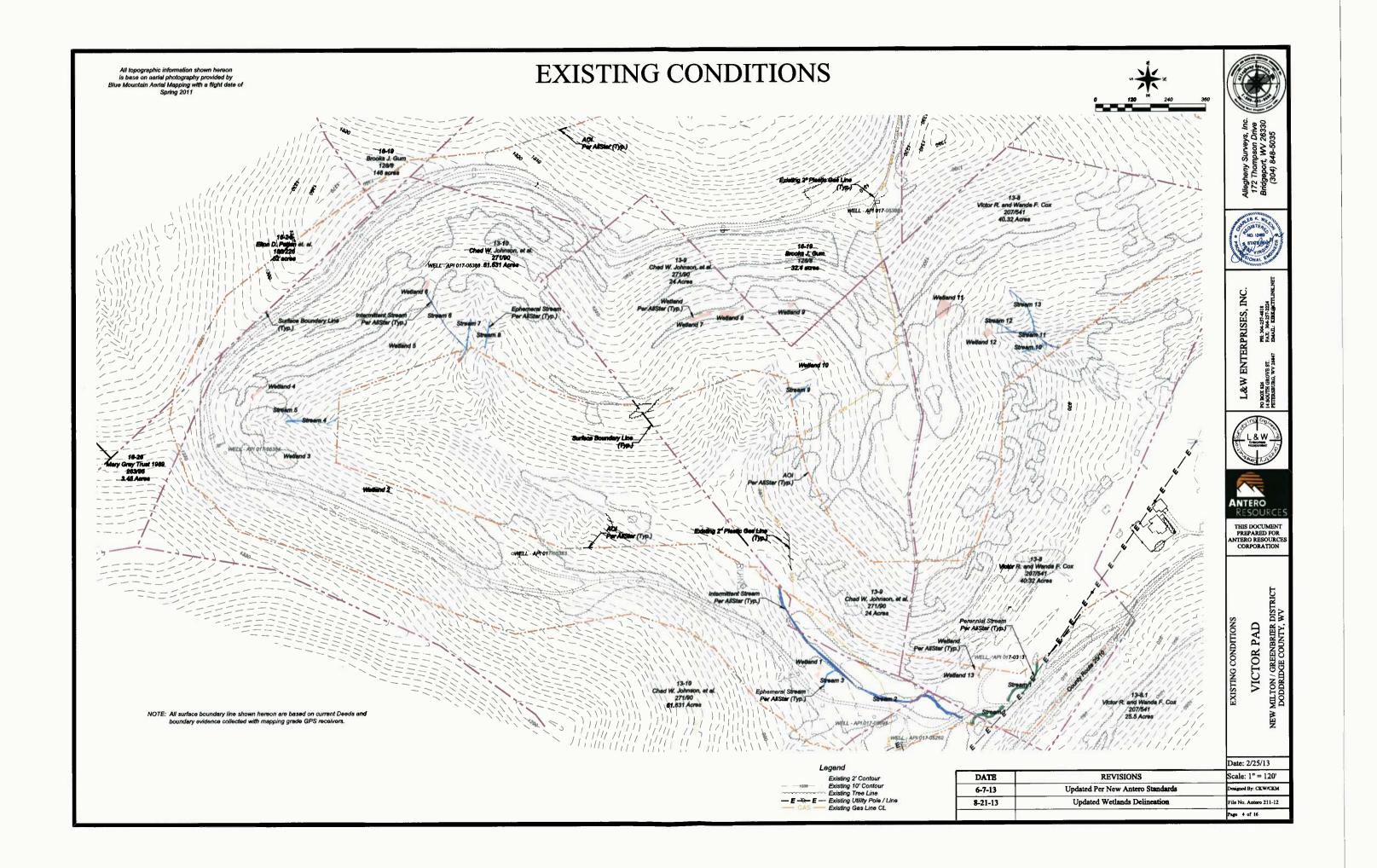


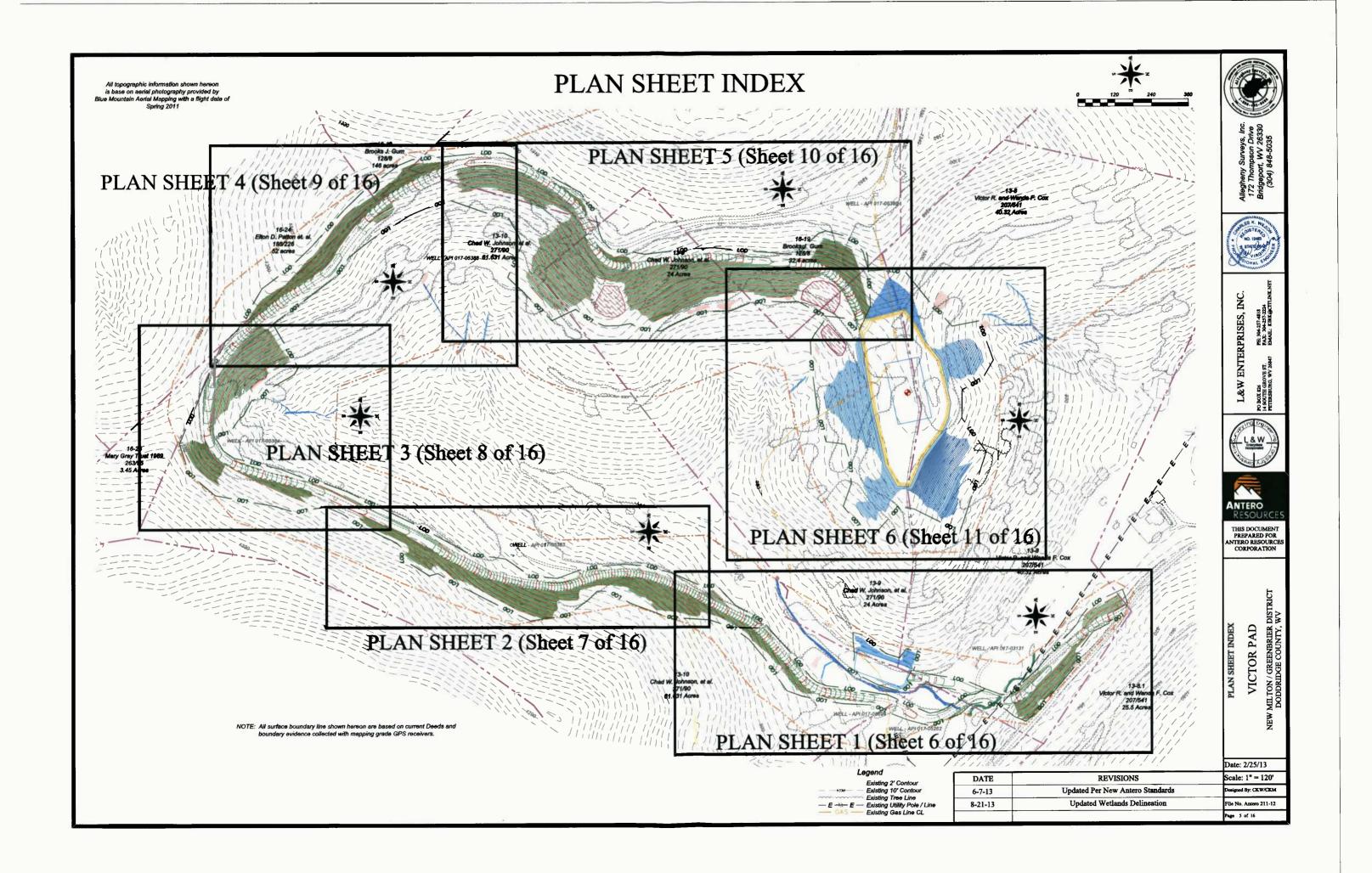
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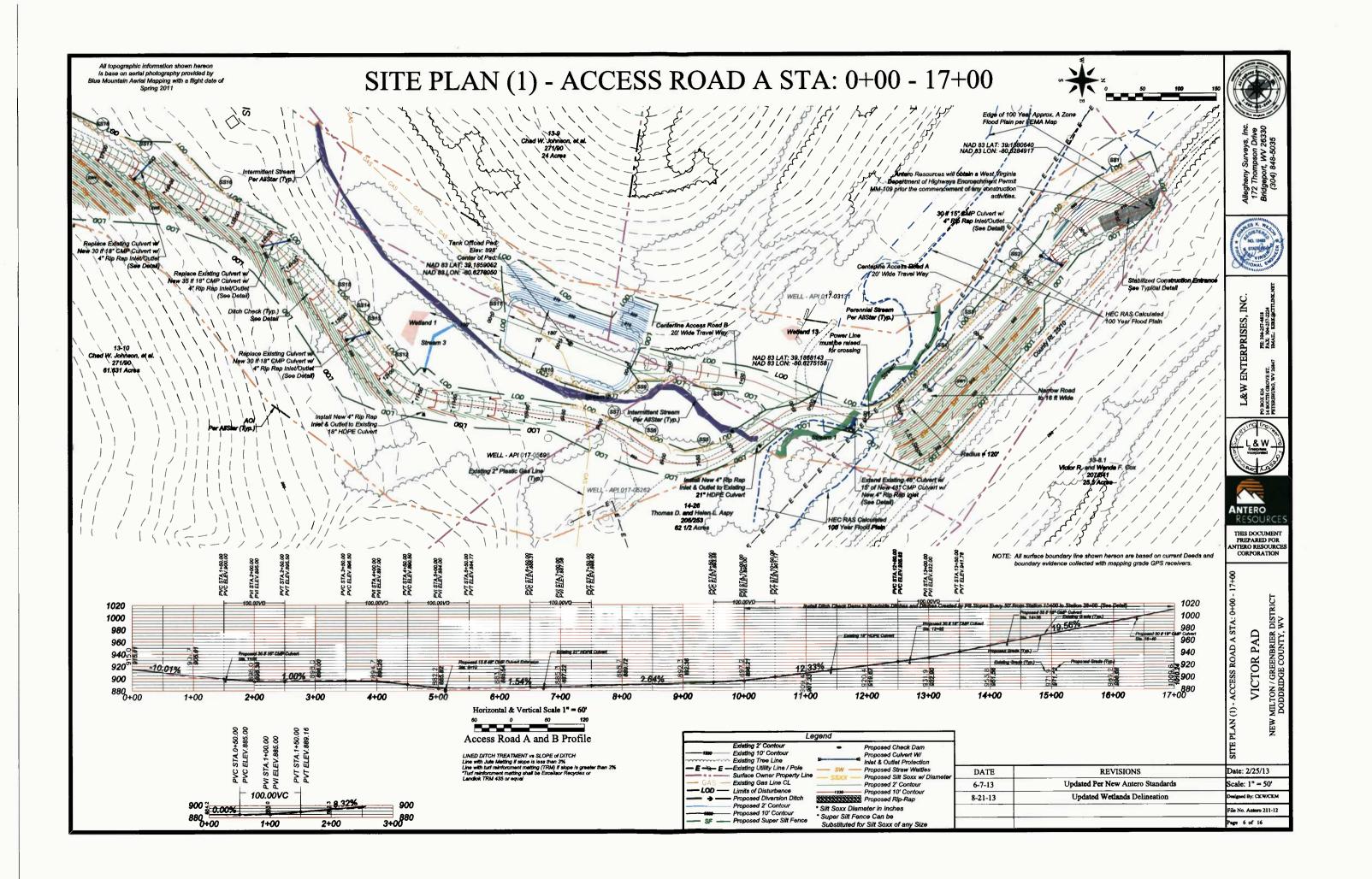
VICTOR PAD

		٥
DATE	REVISIONS	Date: 2/25/13
6-7-13	Updated Per New Antero Standards	Scale: N/A
8-19-13	Updated Per New Antero Standards	Designed By: CKW/CKM
		File No. Antero 211-12
^··		Proc. 1 of 16







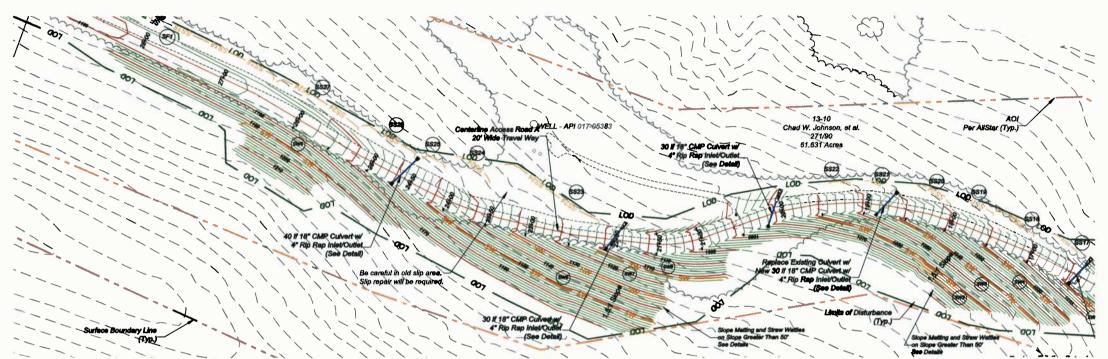


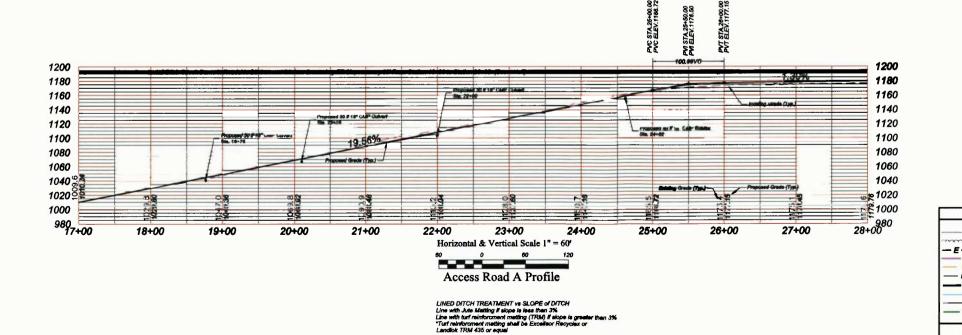
All topographic information shown hereon is base on aerial photography provided by ue Mountain Aerial Mapping with a flight date of Spring 2011

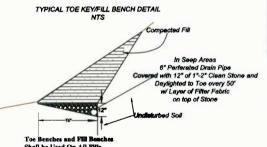
SITE PLAN (2) - ACCESS ROAD A STA: 17+00 - 28+00











Existing 2 Contour

Existing Tree Line

Existing Tree Line

Existing Utility Line / Pole

Surface Owner Property Line

Existing Gas Line CL

Limits of Disturbance Proposed 10' Contour Super Silt Fence Can be Substituted for Silt Soxx of any Size DATE REVISIONS Date: 2/25/13 6-7-13 Updated Per New Antero Standards





L&W ENTERPRISES, INC.



THIS DOCUMENT PREPARED FOR NTERO RESOURCE CORPORATION

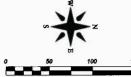
VICTOR PAD

Scale: 1" = 50' origand By: CKW/CKM Page 7 of 16

SITE PLAN (3) - ACCESS ROAD A STA: 28+00 - 38+00

35+00

36+00



6" Perferated Drain Pipe with 12" of 1"-2" Clean S Deyflighted to Toe every 5 w/ Layer of Filter Fabric

TYPICAL TOE KEY/FILL BENCH DETAIL NTS

Existing 2' Contour
Existing 10' Contour
Existing Tree Line
Existing Utility Line / Pole
Surface Owner Property L
Existing Gas Line CL

DATE

6-7-13

38+00





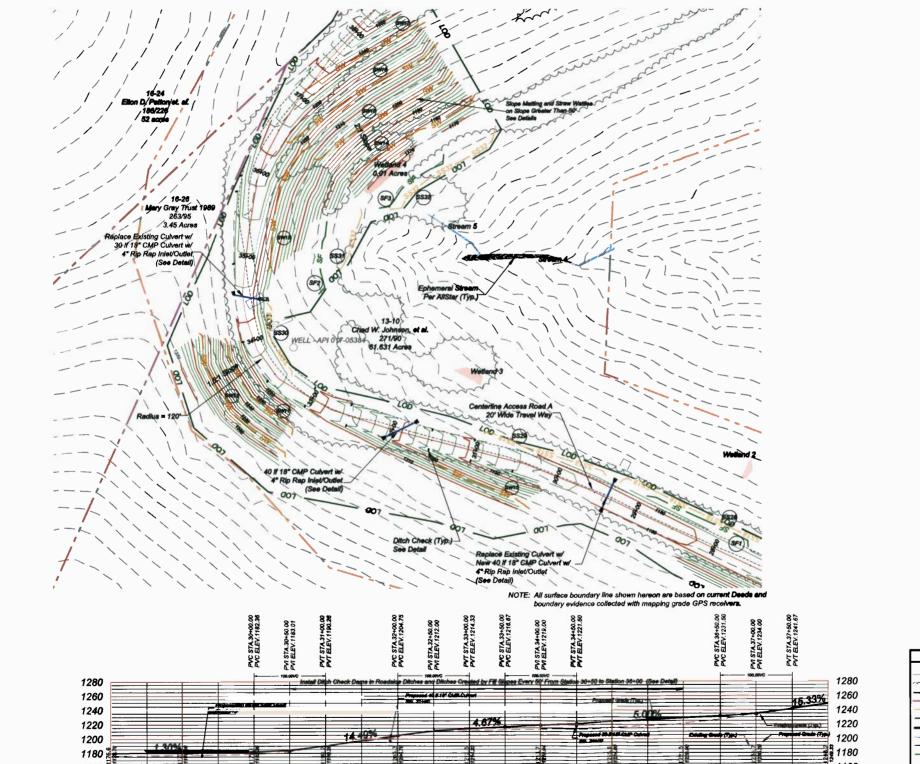


L&W ENTERPRISES, INC.



VICTOR PAD

Super Sitt Fence Can be Substituted for Sitt Soxx of any Size REVISIONS Date: 2/25/13 Scale: 1" = 50' Updated Per New Antero Standards Designed By: CKW/CKM

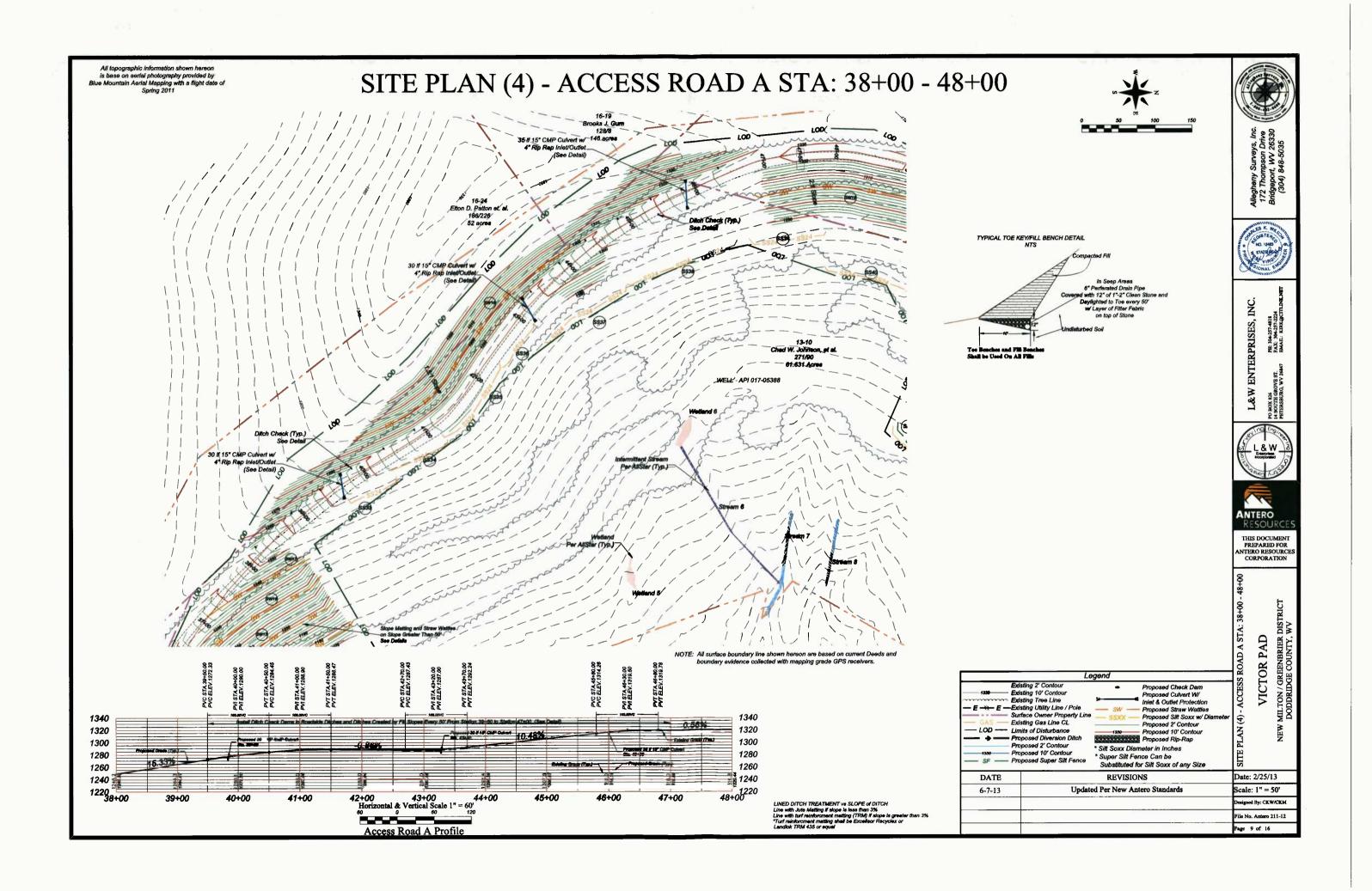


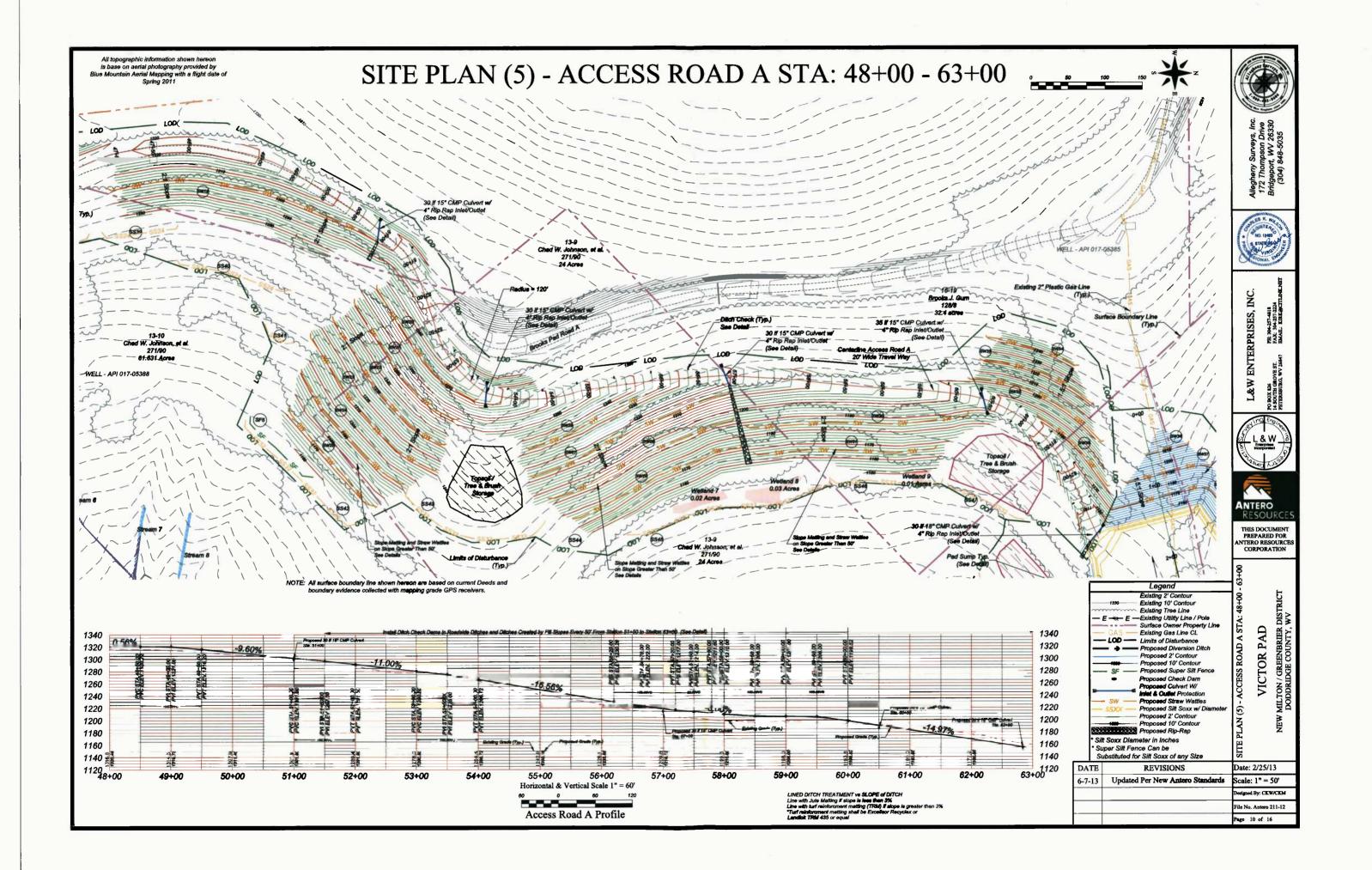
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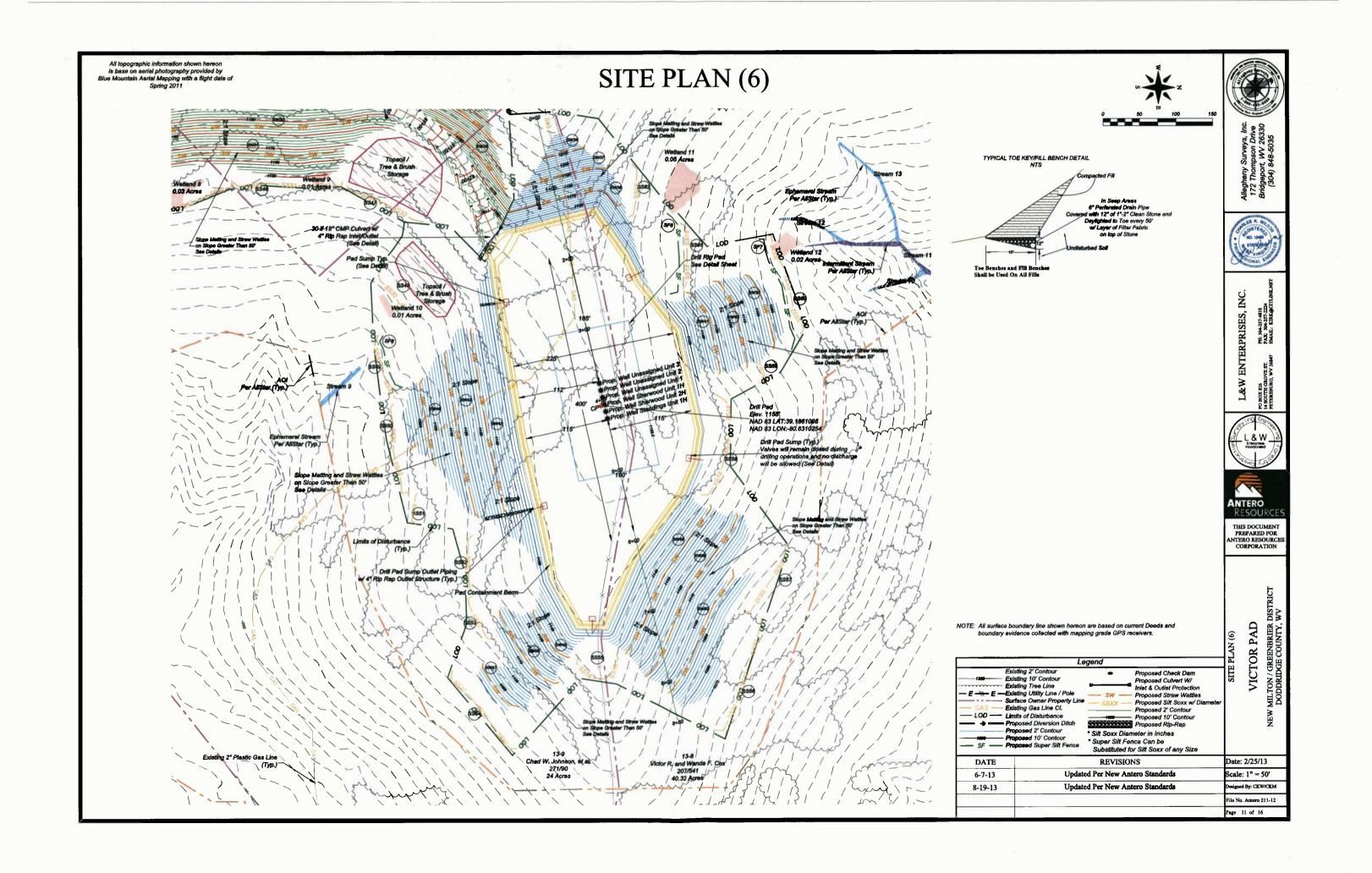
Access Road A Profile

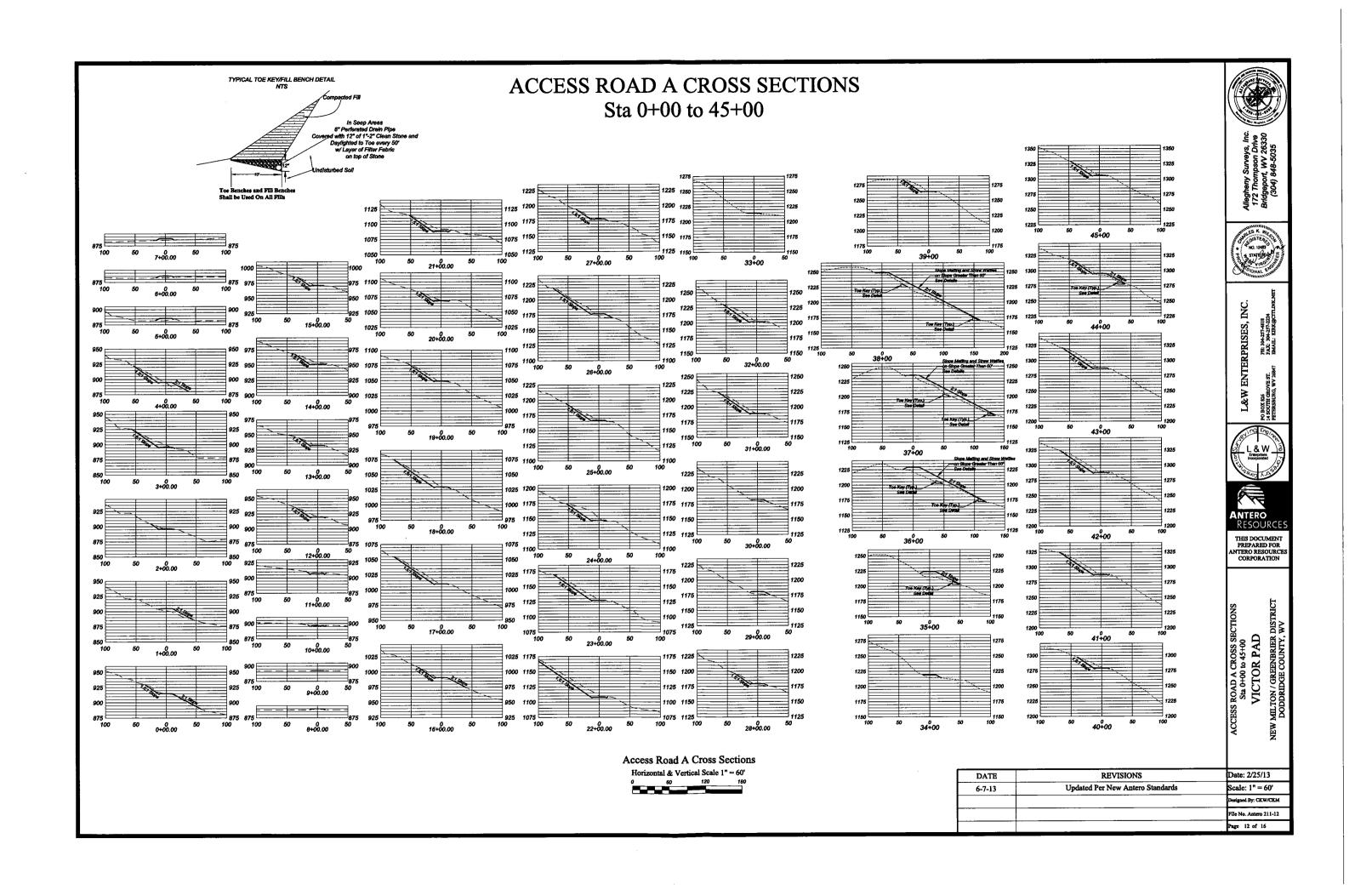
30+00

31+00



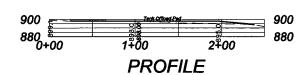


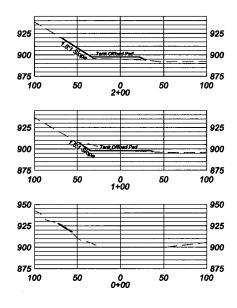




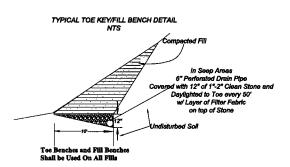
ACCESS ROAD A CROSS SECTIONS Sta 46+00 to 62+00 Access Road A Cross Sections

TANK OFFLOAD PAD









DATE	REVISIONS	Date: 2/25/13
6-7-13	Updated Per New Antero Standards	Scale: 1" =60'/50'
		Designed By: CKW/CKM
		File No. Antero 211-12
		Page 13 of 16



legheny Surveys, Inc. 172 Thompson Drive ridgeport, WV 26330 (304) 848-5035



SES, INC.

W ENTERPRISES, INC

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Sta 46+00 to 62+00

VICTOR PAD

ALLTON / GREENBRIER DISTRICT
DODDRINGE COUNTY, WV

