

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. 236

Date: August 1, 2013
Customer copy

Received: #13-056 Markwest (not in flood plain)

\$5,078.33

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 Sheriff
Flood Plain Ordinance Fund

1058
69-217/515

DATE August 20, 2013

PAY TO THE ORDER OF MARK WEST ENERGY

\$ 4,874.41

Four Thousand Eight Hundred Seventy-Four Dollars and 41/100

DOLLARS

Security features included. Details on back.



Ralph Sanderson Jr.
Beth A. Rogers
[Signature]

MEMO #13-056 Reimbursement Bldg Permit/

Compressor
⑈001058⑈ ⑆051502175⑆ 1196499⑈

NOT IN FLOODPLAIN

REFUND 95%

Markwest Liberty Midstream & Resources LLC
1515 Arapahoe Street, Tower 1, Suite 1600
Denver, CO 80202-2126

Doddridge County Clerk
118 Court Street Room 102
West Union, WV 26456

SEE OTHER SIDE FOR
OPENING INSTRUCTIONS

SEE OTHER SIDE FOR
OPENING INSTRUCTIONS

F
E

MARKWEST

29956

11
U

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
16-JUL-13	071613407833	MTNR130001-MIDPOINT COMPRESSOR STATION	4,078.33	0.00	4,078.33
COMPANY REF: MarkWest Liberty Midstream and Resources,			NET TOTAL		\$4,078.33

NOT IN FLOOD PLAIN

Markwest Liberty Midstream & Resources LLC
1515 Arapahoe Street, Tower 1, Suite 1600
Denver, CO 80202-2126

Refund all of \$1,000
Deposit for expenses.

Doddridge County Clerk
118 Court Street Room 102
West Union, WV 26456

SEE OTHER SIDE FOR
OPENING INSTRUCTIONS

SEE OTHER SIDE FOR
OPENING INSTRUCTIONS



MARKWEST

29957

11
U

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
16-JUL-13	071613100000	MTNR130001-MIDPOINT COMPRESSOR STATION	1,000.00	0.00	1,000.00
COMPANY REF: MarkWest Liberty Midstream and Resources,			NET TOTAL		\$1,000.00

DECISION ON JAY BEE FLOODPLAIN APPLICATION
(COFFMAN SITE – RT. 23)
July 02, 2013

I, Dan Wellings, PS, Doddridge County Floodplain Manager/Administrator have conducted a thorough review of the Jay Bee Floodplain Application for the Coffman well site located along WV State Rt. 23, public comments submitted, and Jay Bee's response to said public comments.

The public comments submitted by Kimberly Sprouse and Roger Pernel regarding the leaking of natural gas and concern for their water well are certainly of concern. They are however regulated by the DEP and not the Doddridge County Floodplain Ordinance. I would strongly urge them to diligently pursue the DEP to resolve these issues. The STOP WORK ORDER should not relieve Jay Bee of doing emergency repairs as needed.

The public comments submitted by Mirijana Beram were also thoroughly reviewed. The engineering study performed by Jerry Gilbert, PE, DEE, CFM, (the same engineer used by the Huff's and Foster in the previous EQT lawsuit) was thorough and address's all concerns raised that pertain to the Doddridge County Floodplain Ordinance. This study took into account all post well activities and shows that there is no significant impact as a result of the Jay Bee well site. Again many of Marijana's concerns in regards to wetlands, permits, spill prevention, containment berms, and pollutants are a DEP matter.

Therefore it is my decision to on this day, July 02, 2013, grant a FLOODPLAIN DEVELOPMENT PERMIT to Jay Bee Oil and Gas for the submitted Coffman well site located along WV State Rt. 23 in McClellan District of Doddridge County.

Dan Wellings, PS


Doddridge County Floodplain Manager



GATEWAY

On Call. On Time. On Target.

THE GATEWAY ENGINEERS, INC.

400 HOLIDAY DRIVE, SUITE 300

PITTSBURGH, PA 15220-2727

412.921.4030 PHONE

412.921.9960 FAX

LETTER OF TRANSMITTAL

www.gatewayengineers.com

July 12, 2013
C-18047-0009

Markwest Liberty Midstream & Resources
4600 J. Barry Ct., Suite 500
Canonsburg, PA 15317

ATT: Alan Kolonsky

RE: Midpoint (Crislip) Compressor Station
New Milton, Doddridge County, WV

Enclosed you will find the following items we are sending via US Mail:

COPIES	DESCRIPTION
1	Set of 11 x 17 drawings of FEMA Exhibit

These are being transmitted for your use.

Sincerely,
THE GATEWAY ENGINEERS, INC.

Shanin D. Asbury
Administrative Assistant

G:\Projects\18000\18047 MarkWest\0009 Crislip CS\File Xfer\Sent\2013-07-11_FEMA Exhibit\2013-7-12 Transmittal to Alan.doc

FILED

**DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION**

2013 JUL 26 AM 3:21
LARRY WHEELS
SHERIFF CLERK
DODDRIDGE COUNTY, WV

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

Alan Kolondy

DATE

7/26/13

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: Mark West Energy

ADDRESS: 4600 J. Barry Ct. Suite 500 Canonsburg Pa 15317

TELEPHONE NUMBER: 724-416-0156

BUILDER'S NAME: Doss Enterprises
ADDRESS: 7522 US Hwy 19 North Junc Lew 26378
TELEPHONE NUMBER: 304-884-2325

ENGINEER'S NAME: Gateway Engineers
ADDRESS: 400 Holiday Drive Suite 300 Pittsburgh Pa 15220
TELEPHONE NUMBER: 412-921-4030

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Antero Resources

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) 1625 17th Street Denver Colorado 80202

DISTRICT: Oak

DATE/FROM WHOM PROPERTY

PURCHASED: 3/16/12

LAND BOOK DESCRIPTION: _____

DEED BOOK REFERENCE: 231-698

TAX MAP REFERENCE: 06-12-003400000000

EXISTING BUILDINGS/USES OF PROPERTY: Agriculture

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

~~To avoid delay in processing the application, please provide enough information to easily identify the project location.~~

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

- | | |
|---|---|
| <input 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:

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

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 \$ 715,667.54

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: _____
ADDRESS: _____

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: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

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

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

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

NAME (PRINT): _____

SIGNATURE: _____ DATE: _____

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: 235
 Dated: 10/04/2011

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located in Special Flood Hazard Area.
 FIRM zone designation _____
 100-Year flood elevation is: _____ NGVD (MSL)

Unavailable

The proposed development is located in a floodway.
 FBFM Panel No. _____ Dated _____

See section 4 for additional instructions.

SIGNED

Don Wellings

DATE

07/31/2003

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 _____



PANEL
235

NOW OR FORMERLY
ELTON DALE WHITEHAIR AND
JUDITH A. WHITEHAIR

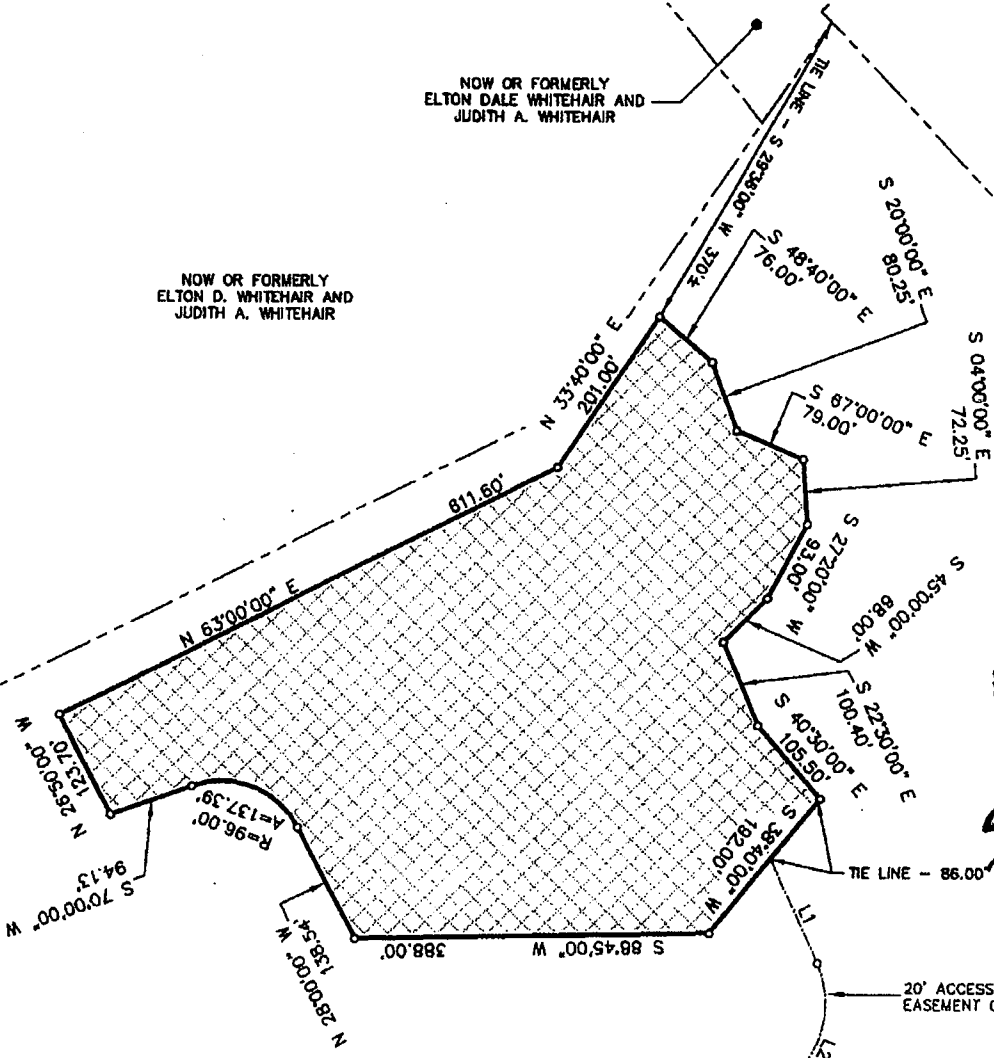
NOW OR FORMERLY
ELTON D. WHITEHAIR AND
JUDITH A. WHITEHAIR

NOW OR FORMERLY
JEREMY W. SWIGER AND
SPRING R. SWIGER

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON



Kevin P. Hannegan

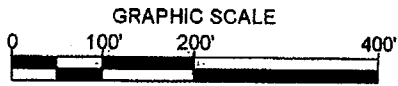


L1	S 24°15'00" W	126.07'
L2	R=110.00'	A=162.71'
L3	S 60°30'00" W	13.38'
L4	R=335.00'	A=108.17'
L5	S 79°00'00" W	113.79'
L6	R=365.00'	A=101.93'
L7	S 63°00'00" W	25.00'
L8	R=100.00'	A=125.50'
L9	R=200.00'	A=143.44'
L10	R=375.00'	A=127.23'
L11	S 68°50'00" E	87.00'
L12	R=300.00'	A=190.24'
L13	R=1130.00'	A=170.93'
L14	R=680.00'	A=144.40'
L15	N 77°20'00" E	95.00'
L16	R=315.00'	A=203.82'

NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
FIRST DESCRIBED

MATCHLINE SHEET 1
MATCHLINE SHEET 2



PURCHASE AREA = 304,920 SQ. FT. OR 7.000 ACRES

NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.

Project Number: C20022002 Drawing Scale: 1"=200' Date Issued: 09/25/2012 Author/Revised: 10/22/12 Drawn By: DLW Checked By: DLW Project Manager: DLW	CRISLIP PURCHASE AREA EXHIBIT PLAN NEW MILTON TOWNSHIP DODDRIDGE COUNTY, WV PREPARED FOR: MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC 601 TECHNOLOGY DRIVE, SUITE 130 CANONSBURG, PA 15317	<table border="1"> <thead> <tr> <th>Date</th> <th>No.</th> <th>REVISION RECORD</th> </tr> </thead> <tbody> <tr><td>01/25/2012</td><td>01</td><td>REVIEW PLAN</td></tr> <tr><td>02/02/2012</td><td>02</td><td>REVIEW TIE LINE</td></tr> <tr><td>02/02/2012</td><td>03</td><td>LABEL ROAD AND STAMP PLAN</td></tr> <tr><td>02/14/2012</td><td>04</td><td>REMOVE ROAD LOCATION</td></tr> <tr><td></td><td>05</td><td></td></tr> <tr><td></td><td>06</td><td></td></tr> <tr><td></td><td>07</td><td></td></tr> <tr><td></td><td>08</td><td></td></tr> </tbody> </table>	Date	No.	REVISION RECORD	01/25/2012	01	REVIEW PLAN	02/02/2012	02	REVIEW TIE LINE	02/02/2012	03	LABEL ROAD AND STAMP PLAN	02/14/2012	04	REMOVE ROAD LOCATION		05			06			07			08		GATEWAY <small>On Call, Go Time, Go Right</small> Consulting Engineers & Surveyors 400 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Phone (412) 921-4030 - Fax (412) 921-9880 • Butler, PA (724) 207-1625 • West Virginia, PA (724) 222-3322 <small>827 Avenue Station Pittsburgh, PA 15222</small>
	Date	No.	REVISION RECORD																											
01/25/2012	01	REVIEW PLAN																												
02/02/2012	02	REVIEW TIE LINE																												
02/02/2012	03	LABEL ROAD AND STAMP PLAN																												
02/14/2012	04	REMOVE ROAD LOCATION																												
	05																													
	06																													
	07																													
	08																													
SHEET 1 OF 2			<small>Printed & Plotted: D:\Projects\1202120147 MarkWest-4000 Crislip CD\Output\2012-09-25\SPURD USE AFSA 00-MBT PLAN.dwg Plot Date: 2/14/2012 11:00 AM R.C. Weller Date: 2/14/2012 10:24 AM</small>																											

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON

NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
FIRST DESCRIBED

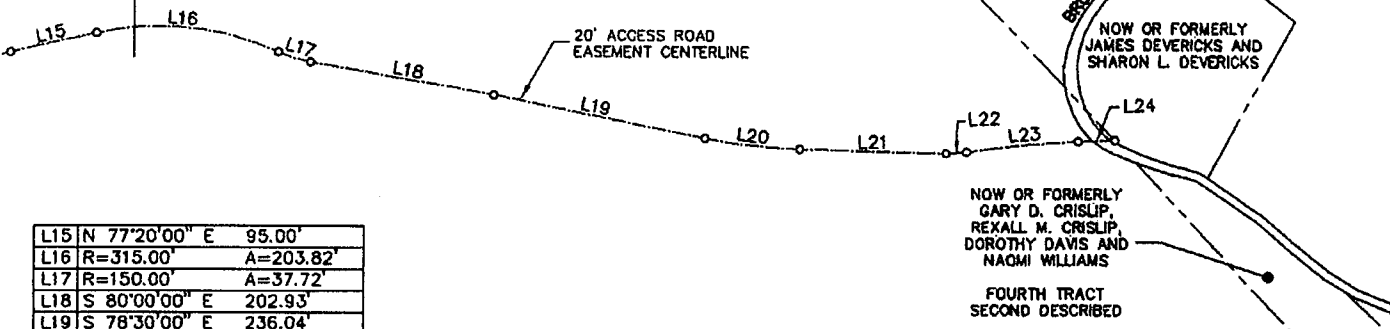
BRUSHY FORK ROAD - COUNTY ROUTE 36 - 30'

NOW OR FORMERLY
JAMES DEVERICKS AND
SHARON L. DEVERICKS

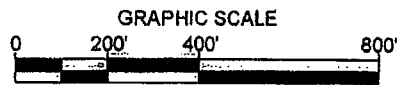
NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
SECOND DESCRIBED

MATCHLINE SHEET 1
MATCHLINE SHEET 2



L15	N 77°20'00"	E	95.00'
L16	R=315.00'		A=203.82'
L17	R=150.00'		A=37.72'
L18	S 80°00'00"	E	202.93'
L19	S 78°30'00"	E	236.04'
L20	R=600.00'		A=104.72'
L21	S 88°30'00"	E	160.89'
L22	R=120.00'		A=22.32'
L23	R=975.00'		A=121.82'
L24	N-88°00'00"	E	40.00'



NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.

Project Number: C-1500-000
Drawing Scale: 1"=40'
Date Issued: 02/14/12
Issue Number: 0002
Drawn By: JSM
Checked By: JSM
Project Manager: JSM
SHEET 2 OF 2

CRISLIP PURCHASE AREA EXHIBIT PLAN
NEW MILTON TOWNSHIP
DODDRIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

Date	By	REVISION RECORD
01/28/12	01	REVISE PLAN
02/02/12	02	REVISE THE LINE
02/09/12	03	LABEL EASEMENT AND STAMP PLAN
02/14/12	04	REVISE ROAD LOCATION
	05	
	06	
	07	
	08	



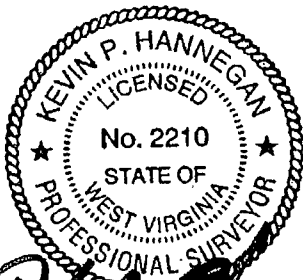
GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 621-4000 - Fax (412) 921-0060
• Dush, PA (724) 287-1055 • Washington, PA (724) 779-3302
1430 Beaver Valley Road, Suite 100
Dush, PA 15729

NOW OR FORMERLY
ELTON DALE WHITEHAIR AND
JUDITH A. WHITEHAIR

NOW OR FORMERLY
JEREMY W. SWIGER AND
SPRING R. SWIGER

NOW OR FORMERLY
ELTON D. WHITEHAIR AND
JUDITH A. WHITEHAIR

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON



Kevin P. Hannegan

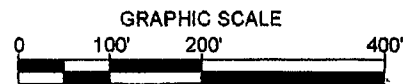
NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
FIRST DESCRIBED

L1	S 22°22'59" W	368.40'
L2	S 13°24'14" E	293.43'
L3	R=705.00'	A=124.78'
L4	N 77°20'00" E	95.00'
L5	R=340.00'	A=220.00'

PURCHASE AREA

NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.



MATCHLINE SHEET 1
MATCHLINE SHEET 2

Project Number: C-1551-1022 Drawing Code: 1007 Date Issued: 10/16/2017 Under Approval: 10/16/2017 Drawn By: [Signature] Checked By: [Signature] Project Manager: [Signature]	CRISLIP UTILITY EASEMENT EXHIBIT PLAN NEW MILTON TOWNSHIP DODDRIDGE COUNTY, WV PREPARED FOR: MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC 801 TECHNOLOGY DRIVE, SUITE 130 CANONSBURG, PA 15317	<table border="1"> <thead> <tr> <th>Date</th> <th>Rev</th> <th>REVISION RECORD</th> </tr> </thead> <tbody> <tr><td> </td><td>01</td><td> </td></tr> <tr><td> </td><td>02</td><td> </td></tr> <tr><td> </td><td>03</td><td> </td></tr> <tr><td> </td><td>04</td><td> </td></tr> <tr><td> </td><td>05</td><td> </td></tr> <tr><td> </td><td>06</td><td> </td></tr> <tr><td> </td><td>07</td><td> </td></tr> <tr><td> </td><td>08</td><td> </td></tr> </tbody> </table>	Date	Rev	REVISION RECORD		01			02			03			04			05			06			07			08		<p>GATEWAY On Call, On Time, On Target.</p> <p>Consulting Engineers & Surveyors 400 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Phone (412) 921-4030 - Fax (412) 921-0880 *Bucks, PA (717) 297-1000 *Washington, PA (724) 838-3787 1475 Riverchase Blvd., Suite 1000, Marietta, GA 30067</p>
	Date	Rev	REVISION RECORD																											
	01																													
	02																													
	03																													
	04																													
	05																													
	06																													
	07																													
	08																													
SHEET 1 OF 2	Plan & Reference: 0: W:\projects\1551180\11 M\10\10-10-2010 Crisp CD-02\03-28-11\UTILITY EASEMENT\11 01\1017 PLAN.dwg Plot Date: 2/16/2012 11:15 AM JL C: 1/16/12 Date: 2/16/2012 11:15 AM																													

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON

NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

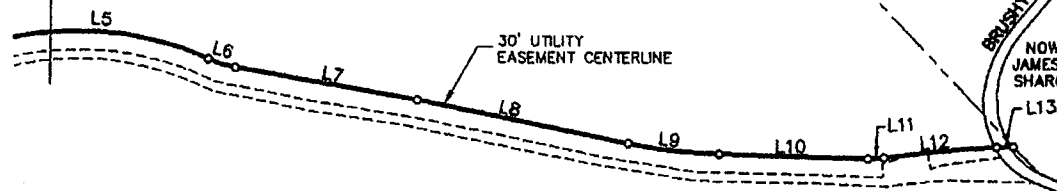
FOURTH TRACT
FIRST DESCRIBED

BRUSHY FORK ROAD - COUNTY ROUTE 58 - 59'

NOW OR FORMERLY
JAMES DEVERICKS AND
SHARON L. DEVERICKS

NOW OR FORMERLY
GARY D. CRISLIP,
EXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
SECOND DESCRIBED

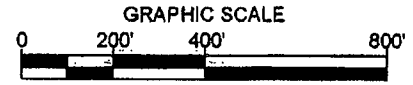


MATCHLINE SHEET 1
MATCHLINE SHEET 2

L5	R=340.00'	A=220.00'
L6	R=125.00'	A=31.43'
L7	S 80°00'00" E	203.26'
L8	S 78°30'00" E	236.40'
L9	R=575.00'	A=100.36'
L10	S 88°30'00" E	160.89'
L11	R=95.00'	A=17.67'
L12	R=1000.00'	A=124.95'
L13	N 88°00'00" E	18.00'±



NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.



Project Number: 1100127201
Drawing Scale: 1"=50'
Date Issued: 11/11/2012
Project Name: CRISLIP
Drawn By: JCL
Checked By: JCL
Project Manager: JCL

CRISLIP UTILITY EASEMENT EXHIBIT PLAN
NEW MILTON TOWNSHIP
DODDRIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC
801 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

Date	No.	REVISION RECORD
-	01	-
-	02	-
-	03	-
-	04	-
-	05	-
-	06	-
-	07	-
-	08	-

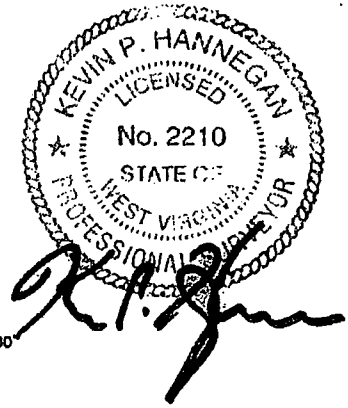
GATEWAY
CONSULTING ENGINEERS & SURVEYORS
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4000 - Fax (412) 921-9960
P.O. Box 1000, Canonsburg, PA 15317
1797 Plumtree Drive, Canonsburg, PA 15317

NOW OR FORMERLY
ELTON DALE WHITEHAIR AND
JUDITH A. WHITEHAIR

NOW OR FORMERLY
JEREMY W. SWIGER AND
SPRING R. SWIGER

NOW OR FORMERLY
ELTON D. WHITEHAIR AND
JUDITH A. WHITEHAIR

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON




L1	S 24°15'00" W	126.07'
L2	R=110.00'	A=162.71'
L3	S 60°30'00" W	13.38'
L4	R=335.00'	A=108.17'
L5	S 79°00'00" W	113.79'
L6	R=365.00'	A=101.93'
L7	S 63°00'00" W	25.00'
L8	R=100.00'	A=125.50'
L9	R=200.00'	A=143.44'
L10	R=375.00'	A=127.23'
L11	S 69°50'00" E	87.00'
L12	R=300.00'	A=190.24'
L13	R=1130.00'	A=170.93'
L14	R=680.00'	A=144.40'
L15	N 77°20'00" E	95.00'
L16	R=315.00'	A=203.82'

NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

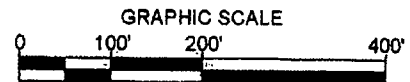
FOURTH TRACT
FIRST DESCRIBED


20' ACCESS ROAD
EASEMENT CENTERLINE

MATCHLINE SHEET 1
MATCHLINE SHEET 2

 PURCHASE AREA = 304,920 SQ. FT. OR 7.000 ACRES

NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.



Project Number: C18017.0002 Drawing Scale: 1"=200' Date Issued: 02/16/2012 Under Number: 18029 Created By: GJM Checked By: GJM Project Manager: GJM SHEET 1 OF 2	CRISLIP PURCHASE AREA EXHIBIT PLAN NEW MILTON TOWNSHIP QUODDRIDGE COUNTY, WV PREPARED FOR: MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC 601 TECHNOLOGY DRIVE, SUITE 130 CANNONBURG, PA 16317	<table border="1"> <thead> <tr> <th>Date</th> <th>By</th> <th>REVISION RECORD</th> </tr> </thead> <tbody> <tr> <td>01/22/2012</td> <td>01</td> <td>REVISE PLAN</td> </tr> <tr> <td>02/02/2012</td> <td>02</td> <td>REVISE TIE LINE</td> </tr> <tr> <td>02/02/2012</td> <td>03</td> <td>LABEL ROAD AND STAMP PLAN</td> </tr> <tr> <td>02/14/2012</td> <td>04</td> <td>REVISE ROAD LOCATION</td> </tr> <tr> <td></td> <td>05</td> <td></td> </tr> <tr> <td></td> <td>06</td> <td></td> </tr> <tr> <td></td> <td>07</td> <td></td> </tr> <tr> <td></td> <td>08</td> <td></td> </tr> </tbody> </table>	Date	By	REVISION RECORD	01/22/2012	01	REVISE PLAN	02/02/2012	02	REVISE TIE LINE	02/02/2012	03	LABEL ROAD AND STAMP PLAN	02/14/2012	04	REVISE ROAD LOCATION		05			06			07			08		 GATEWAY <small>On Call, On Time, On Target</small> Consulting Engineers & Surveyors 400 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Phone (412) 621-4030 - Fax (412) 621-0900 • Butler, PA (724) 251-1655 • Washington, PA (724) 229-9262 E-mail: info@gatewayeng.com
	Date	By	REVISION RECORD																											
01/22/2012	01	REVISE PLAN																												
02/02/2012	02	REVISE TIE LINE																												
02/02/2012	03	LABEL ROAD AND STAMP PLAN																												
02/14/2012	04	REVISE ROAD LOCATION																												
	05																													
	06																													
	07																													
	08																													

NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON

NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
FIRST DESCRIBED

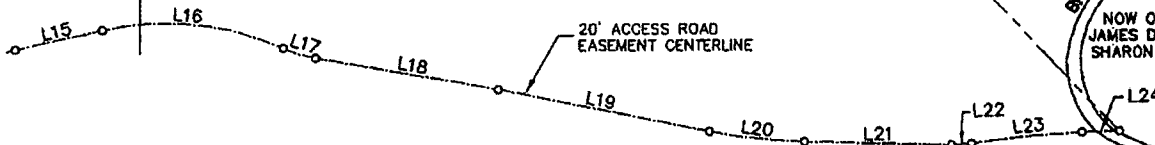
BRUSHY FORK ROAD - COUNTY ROUTE 58 - 30'

NOW OR FORMERLY
JAMES DEVERICKS AND
SHARON L. DEVERICKS

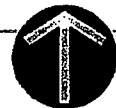
NOW OR FORMERLY
GARY D. CRISLIP,
REXALL M. CRISLIP,
DOROTHY DAVIS AND
NAOMI WILLIAMS

FOURTH TRACT
SECOND DESCRIBED

MATCHLINE SHEET 1
MATCHLINE SHEET 2



L15	N 77°20'00" E	95.00'
L16	R=315.00'	A=203.82'
L17	R=150.00'	A=37.72'
L18	S 80°00'00" E	202.93'
L19	S 78°30'00" E	236.04'
L20	R=600.00'	A=104.72'
L21	S 88°30'00" E	160.89'
L22	R=120.00'	A=22.32'
L23	R=975.00'	A=121.82'
L24	N 88°00'00" E	40.00'±




NORTH

GRAPHIC SCALE



NOTE: BEARINGS AND DISTANCES ARE
BASED ON THE NAD 83 WEST VIRGINIA
NORTH STATE PLANE GRID.

Project Number: C0350-029 Drawing Scale: 1"=50' Date Issued: 04/11/2012 Issue Number: 001 Drawn By: JK Checked By: JK Project Manager: JK	CRISLIP PURCHASE AREA EXHIBIT PLAN NEW MILTON TOWNSHIP DODDRIDGE COUNTY, WV	<table border="1"> <thead> <tr> <th>Date</th> <th>No.</th> <th>REVISION RECORD</th> </tr> </thead> <tbody> <tr> <td>01/18/2012</td> <td>01</td> <td>REVERSE PLAN</td> </tr> <tr> <td>02/02/2012</td> <td>02</td> <td>REVISE THE LINE</td> </tr> <tr> <td>02/09/2012</td> <td>03</td> <td>LABEL EASEMENT AND STAMP PLAN</td> </tr> <tr> <td>02/14/2012</td> <td>04</td> <td>REVISE ROAD LOCATION</td> </tr> <tr> <td>-</td> <td>05</td> <td>-</td> </tr> <tr> <td>-</td> <td>06</td> <td>-</td> </tr> <tr> <td>-</td> <td>07</td> <td>-</td> </tr> <tr> <td>-</td> <td>08</td> <td>-</td> </tr> </tbody> </table>	Date	No.	REVISION RECORD	01/18/2012	01	REVERSE PLAN	02/02/2012	02	REVISE THE LINE	02/09/2012	03	LABEL EASEMENT AND STAMP PLAN	02/14/2012	04	REVISE ROAD LOCATION	-	05	-	-	06	-	-	07	-	-	08	-	 <p>GATEWAY Consulting Engineers & Surveyors 400 Holiday Drive, Suite 300 Pittsburgh, PA 15220 Phone: (412) 821-4030 • Fax: (412) 821-8080 • Office: PA (724) 251-1025 • Washington, PA (724) 279-2022 1120 Avenue of the Americas, Suite 1400 New York, NY 10020</p>
	Date	No.	REVISION RECORD																											
01/18/2012	01	REVERSE PLAN																												
02/02/2012	02	REVISE THE LINE																												
02/09/2012	03	LABEL EASEMENT AND STAMP PLAN																												
02/14/2012	04	REVISE ROAD LOCATION																												
-	05	-																												
-	06	-																												
-	07	-																												
-	08	-																												
PREPARED FOR: MARKWEST LIBERT & MIDSTREAM RESOURCES, LLC 601 TECHNOLOGY DRIVE, SUITE 130 CANONSBURG, PA 15317	SHEET 2 OF 2																													

**DODDRIDGE COUNTY
FLOODPLAIN ORDINANCE**

AN ORDINANCE ESTABLISHING A FLOODPLAIN AREA AND REQUIRING ALL CONTRACTORS, PERSONS, PARTNERSHIPS, BUSINESSES, AND CORPORATIONS TO OBTAIN A PERMIT FOR DEVELOPMENT AND THE CONSTRUCTION, SUBSTANTIAL IMPROVEMENT, OR RELOCATION OF ANY BUILDING OR STRUCTURE; PROVIDING FOR CERTAIN MINIMUM STANDARDS FOR CONSTRUCTION WITHIN THE FLOODPLAIN AREA AND SETTING FORTH SPECIAL PROCEDURES FOR SUBMISSION AND APPROVAL OF PLANS; AND ESTABLISHING PENALTIES FOR ANY PERSON WHO FAILS TO COMPLY WITH THE REQUIREMENTS OR PROVISIONS OF THIS ORDINANCE.

AUTHORITY AND PURPOSE:

THE PROVISIONS OF THIS ORDINANCE HAVE BEEN PREPARED WITH THE INTENTION OF MEETING THE REQUIREMENTS OF SECTION 60.3 (d) OF THE NATIONAL FLOOD INSURANCE PROGRAM, THE NATIONAL FLOODPLAIN INSURANCE ACT OF 1968 (PUBLIC LAW 91-152) AMENDED BY THE CONGRESS OF THE UNITED STATES THROUGH THE 15TH OF FEBRUARY, 1975, WEST VIRGINIA CODE §7-1-3v, 7-1-3n and 7-1-3kk.

BE IT ENACTED AND ORDAINED by the Doddridge County Commission on the ____ day of _____, 2013 as follows:

ARTICLE 1 – GENERAL PROVISIONS

Section 1.1 Intent

The intent of this Ordinance is to:

- A. Promote the general health, welfare and safety of the residents and real property owners of the County and persons who may be affected by flooding.
- B. Encourage the utilization of appropriate minimum construction practices in order to prevent or minimize flooding damage.
- C. Minimize danger to public health and safety by protecting the water supply and sanitary sewage disposal in cooperation with the County Sanitarian, and to protect natural drainage.
- D. Assure the County Assessor obtains information concerning improvement of real property as required by WV Code §11-3-3a.
- E. Assure County E-911 addresses are obtained to maintain as current the established emergency response dispatch systems.

- F. Reduce financial burdens imposed on the residents, real property owners and its governmental units by preventing the unwise design and construction of development in areas subject to flooding.

Section 1.2 Abrogation of Existing Floodplain and Effect on Other More Restrictive Ordinances

This Floodplain Ordinance supersedes any Floodplain Ordinance currently in effect in Doddridge County. To the extent that Doddridge County has enacted any other Ordinance applicable to a Floodplain Area that is more restrictive than the Floodplain Ordinance then the other Ordinance shall prevail.

Section 1.3 Applicability

It shall be unlawful for any contractor, person, partnership, business, or corporation to undertake or cause to be undertaken, any development, new construction, substantial improvement, repair of substantial damage, or the placement or relocation of any structure (including manufactured homes) within Doddridge County unless a permit application has been completed and a permit has been obtained from the Floodplain Administrator. In addition, where land is partially or fully in the Floodplain is to be developed, subdivided, utilized for a manufactured home park or subdivision or otherwise developed, a site plan with elevation data must be submitted to, and approved by, the Floodplain Administrator prior to any development.

Provision of all other codes, ordinances, and regulations shall be applicable insofar as they are consistent with the provisions of this Ordinance and the County's need to minimize the hazards and damage resulting from flooding.

Section 1.4 Matters not provided for specifically

Where conditions are encountered that are not specifically provided for herein, the Floodplain Administrator shall determine the applicability of the provisions of this Ordinance in accordance with its intent, and shall require the applicant to take appropriate measures pursuant to such determination.

ARTICLE II - INTERPRETATIONS AND DEFINITIONS

Section 2.1 Interpretations

- A. For the purpose of this Ordinance, the following interpretations shall apply:
1. Words used in the present tense include the future tense.
 2. The singular includes the plural.
 3. The plural includes the singular.

4. The word "person" includes corporation, limited liability corporation, unincorporated association or partnership as well as an individual.
5. The Term "shall", "must" or "will" is mandatory.
6. The word "building" or "structure" shall be construed as if followed by the phrase "or part thereof".
7. The word "Ordinance" shall refer to this Floodplain Ordinance unless otherwise stated.
8. The word "he" shall also refer to "she".
9. The words "him" or "his" shall also refer to "her".

Section 2.2 Definitions

A. General

Unless specifically defined below, words and phrases used in this Ordinance shall be interpreted so as to give this Ordinance its most reasonable application.

1. "Adjacent Property"

Adjacent Property includes any surface tract, regardless of whether such surface tract is entirely within Doddridge County, so long as a portion of said surface tract is located within Doddridge County, which shares an immediate and common boundary up or down stream to the property that is the subject of the application for Floodplain Permit. Adjacent property also includes all other property that may be affected by flooding.

2. "Adversely Affect the Subject or Adjacent Properties"

To adversely affect a property the increase in the elevation of the 100-year base flood elevation must be more than 1 foot at any point. Stated conversely, if the effect is that the 100-year flood base flood elevation rises 1 foot or less the property is not "affected". This standard does not apply to the Floodway. If prior permit(s) has/have been approved in the same area of the Floodplain, the above definition would include the cumulative impact to the base flood elevation.

3. "Anticipated Development"

Development for which an applicant has applied for a Floodplain Permit under this Ordinance, or an area wherein government has designated future development for the benefit of the residents of Doddridge County.

4. Appurtenant Structure

A structure on the same parcel of property as the principal structure and the use of which is incidental to the use of the principal structure. This does not include a gas or liquid storage tank.

5. Base Flood

The flood, which has been selected to serve as the basis upon which the floodplain management provisions of this and other Ordinances have been prepared; for purposes of this Ordinance, the one-hundred (100) year flood or 1% or greater chance of flooding in any given year.

6. Base Flood Elevation

The water surface elevation of the base flood in relation to the datum specified on the County's Flood Insurance Rate Map. For the purposes of this Ordinance, the one hundred (100) year flood or 1% or greater chance of flooding in any given year.

7. Basement

Any area of the building having its floor sub grade (below ground level) on all sides.

8. Certificate of Compliance

A certification that the entire development, including the elevation of fill or the lowest floor of a structure is in compliance with all the provisions of this Ordinance.

9. Contractor – W.Va. Code §21-11-3(c)

A person who in any capacity for compensation, other than as an employee of another, undertakes, offers to undertake, purports to have the capacity to undertake, or submits a bid to construct, alter, repair, add to, subtract from, improve, move, wreck or demolish any building, highway, road, railroad, structure or excavation associated with a project, development or improvement, or to do any part thereof, including the erection of scaffolding or other structures or works in connection therewith, where the cost of undertaking is two thousand five hundred dollars or more. Contractor includes a construction manager who performs management and counseling services on a construction project for a professional fee.

Contractor does not include:

- a. One who merely furnishes materials or supplies without fabricating or consuming them in the construction project;
- b. A person who personally performs construction work on the site of real property which the person owns or leases whether for commercial or residential purposes;
- c. A person who is licensed or registered as a professional and who functions under the control of any other licensing or regulatory board, whose primary business is real estate sales, appraisal, development, management and maintenance, who acting in his respective professional capacity and any employee of such professional, acting in the course of his employment, performs any work which may be considered to be performing contracting work;
- d. A pest control operator licensed under the provisions of W.Va. Code §19-16A-7(a) to engage in the application of pesticides for hire, unless the operator also performs structural repairs exceeding one thousand dollars on property treated for insect pests; or
- e. A corporation, limited liability corporation, partnership or sole proprietorship whose primary purpose is to prepare construction plans and specifications used by the contractors defined in this section and who employs a full time registered architect licensed to practice in this State or a registered professional engineer licensed to practice in this State. Contractor also does not include employees of such corporation, partnership or sole proprietorship.

10. Critical Facility

Any facility in which even a slight chance of flooding is too great a threat. Typical critical facilities include hospitals, fire stations, police stations, storage of critical records, and similar facilities. These should be given special consideration when formulating regulatory alternatives and floodplain management plans. A critical facility should not be located in a floodplain if at all possible. If a critical facility must be located in a floodplain it should be provided a higher level of protection so that it can continue to function and provide services during a flood.

11. Development

Any man-made change to improved or unimproved real property, including but not limited to buildings or other structure, mining, dredging, filling, grading, paving, excavation or drilling operations, oil/gas well sites, pads, pits, retention ponds or storage of equipment or materials.

12. “Fair Market Value” of Real or Personal Property

The Fair Market Value is the most probable price a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller, each acting prudently, knowledgeably, and assuming the price is not affected by undue stimulus.

13. Flood

A general and temporary inundation of water in an area of normally dry land.

14. Flood Insurance Rate Map (FIRM)

The official map on which the Federal Emergency Management Agency or Federal Insurance Administrator has delineated both the areas of special flood hazard areas and the risk premium zones applicable to the County.

15. Flood Insurance Study

The official report in which the Federal Emergency Management Agency has provided flood profiles, floodway information, and water surface evaluations.

16. Floodplain

A relatively flat or low land area adjoining a river, stream, or watercourse which is subject to partial or complete inundation. An area subject to the unusual and rapid accumulation or runoff of surface waters from any source. “Floodplain Area” is the same as the “Flood Hazard Area”.

17. Floodplain Administrator

The Floodplain Administrator shall be a competent adult who is a resident of West Virginia and a certified Land Surveyor and/or an educated or Licensed Engineer and/or a person who has completed within one year of his appointment the State/FEMA sponsored NFIP Class 273 entitled “Managing Floodplain Development” and remain current with State required continuing education training pursuant to W.Va. Code § 15-5-20(a). The Floodplain Administrator shall have the official title of “OES Director for Floodplain Management”. The Floodplain Administrator may also be identified as the Floodplain Manager. In the absence of a formally appointed Floodplain Administrator the duties set forth in this Ordinance for the Floodplain Administrator shall be temporarily fulfilled by the President of the County Commission.

18. Floodway

The channel of a river or other watercourse and the adjacent land area that must be reserved to discharge the base flood without increasing the water surface elevation of that flood more than one foot at any point.

19. Flood Proofing

Any combination of structural and non-structural additions, changes or adjustments to structures which reduce or eliminate flood damage to real property or improved real property, water and sanitary facilities, structures and its contents.

20. Freeboard

A factor of safety usually expressed in feet above a flood level for purposes of floodplain management. Freeboard tends to compensate for unknown factors that may contribute uncertainty to flood heights of any given flood and floodway condition, such as wave action, blockage at stream crossings, and increased runoff from urbanization of the watershed.

21. Highest Adjacent Grade

The highest natural elevation of the ground surface prior to construction next to the proposed foundation of a structure.

22. Historic Structure

Any structure that is:

- (a) Listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing in the National Register;
- (b) Certified or preliminarily determined by the Secretary of Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district;
- (c) Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or,
- (d) Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:

- (i) By an approved state program as determined by the Secretary of the Interior; or,
- (ii) Directly by the Secretary of Interior in states without approved programs.

23. Interested Person or Party

“Interested Person or Party” to include (1) the applicant; (2) the owner(s) of the subject property; (3) at least one adult residing in any residence on the subject property at the time the Floodplain Permit Application is filed; (4) owners of any adjacent property; and (5) at least one adult residing in any residence on the adjacent property at the time the Floodplain Permit Application is filed.

24. Licensed Manufactured Home Dealer

A business licensed to sell manufactured homes in the State of West Virginia as set forth in the West Virginia Code.

25. Licensed Manufactured Home Installer

A contractor licensed to install manufactured homes in the State of West Virginia as set forth in the West Virginia Code.

26. Licensed Professional Surveyor

Any person licensed by the West Virginia State Board of Examiners of Land Surveyors to engage in the practice of land surveying as defined in the West Virginia Code.

27. Lowest Floor

The lowest floor of the lowest enclosed area (including basement). An unfurnished enclosure constructed with flood resistant materials as defined in FEMA Technical Bulletin 2-93 (FIA-TB-2) and usable solely for parking of vehicles, building access or storage in an area other than a basement area is not considered a building's lowest floor; Provided, that such enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this Ordinance.

28. Manufactured Home

A structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent

foundation when connected to the required utilities. The term "manufactured home" does not include a "recreational vehicle".

29. New Construction

Structures for which the start of construction as herein defined commenced on or after March 18th, 1991 and including any subsequent improvements to such structures.

30. One-Hundred (100) Year Flood

A flood that has one chance in one-hundred or a one percent or greater chance of being equaled or exceeded in any given year.

31. Person

Any individual or group of individuals, corporation, limited liability corporation, partnership, association or other entity, including State and Local governments and agencies.

32. Practice of Engineering

Any service or creative work, as described in West Virginia Code §30-13-1 et seq., the adequate performance of which requires engineering education, training and experience in the application of special knowledge of the mathematical, physical, and engineering sciences to such services or creative work as consultation, investigation, evaluation, planning and design of engineering works and systems; planning the use of land and water; teaching of advanced engineering subjects, engineering surveys and studies; and the review of construction for the purpose of assuring compliance with drawings and specifications any of which embraces such services or work, either public or private, in connection with any utilities, structures, buildings, machines, equipment, processes, work systems, projects and industrial or consumer products or equipment of a mechanical, electrical, hydraulic, pneumatic or thermal nature, insofar as they involve safeguarding life, health or property, and including such other professional services as may be necessary to the planning, progress and completion of any engineering services. Engineering surveys include all survey activities required to support the sound conception, planning, design, construction, maintenance and operation of engineered projects.

Any person who practices any branch of the profession of engineering or who, by verbal claim, sign, advertisement, letterhead, card or in any other way represents himself to be a registered professional engineer, or by using another title implies that he is a registered professional engineer or that he is registered under West Virginia Code, §30-13-1 et seq. or who

holds himself out as able to perform, or who performs any engineering service or work or any other service designated by the practitioner which is recognized as engineering, is considered to practice or offer to practice engineering within the meaning and intent of West Virginia Code §30-13-1 et seq.

33. Principally Above Ground

Where at least 51 percent of the Actual Cash Value of a structure, less land value, is above ground. [44 Code of Federal Regulations §59.1]

34. Professional

Any "professional" including but not limited to a "contractor", "developer", "engineer", "architect", "hydrologist", "hydraulogist", "land surveyor", etc., acting in any capacity with respect to this Ordinance, must be licensed by the State of West Virginia, when certification or licensure from the State of West Virginia is so required.

35. Reasonably Safe from Flooding

Means that during the base flood, water should not damage structures and any subsurface waters related to the base flood should not damage existing or proposed structures.

36. Recreational Vehicle

A Vehicle which is:

- (a) built on a single chassis;
- (b) 400 square feet or less when measured at the largest horizontal projection;
- (c) designated to be self-propelled or permanently towable by a light duty truck; and
- (d) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

37. Registered Professional Engineer

A person who has been duly registered or licensed as a registered professional engineer by the West Virginia State Board of Registration for Professional Engineers as required by W.Va. Code §30-13-13 et seq.

38. Remedy a Violation

To bring a structure or other development into compliance with the requirements of this Ordinance, or, if full compliance is not possible, to reduce the adverse impact of the non-compliance to the greatest extent feasible.

39. Special Flood Hazard Area

The land in the Floodplain Area subject to a one percent or greater chance of flooding in any given year. Special flood hazard areas are designated by the Federal Emergency Management Agency in Flood Insurance Studies and on Flood Insurance Rate Maps as Zones A, AE, AO, A1-30, and A99. The term includes areas shown on other flood hazard maps that are specifically listed or otherwise described in this Ordinance.

40. Start of Construction

(The definition for start of construction is to be used only when calculating the starting time for expiration of a Floodplain Permit.)

The date the Floodplain Permit was issued, including Floodplain Permit for substantial improvement or repair of substantial damage, provided the actual start of construction, repair, reconstruction, rehabilitation, addition, placement or other improvement was within 180 days of the Floodplain Permit date. The actual start means either the first placement of permanent construction on a site, such as the pouring of slabs or footings, the installation of piles, the construction of columns, or any work beyond initial excavation, or the placement of a manufactured home on a foundation. Although a Floodplain Permit must be obtained prior to beginning, permanent construction does not include land preparation, such as clearing, grading and filling, nor does it include the installation of streets and/or walkways, nor does it include excavation for a basement, footings, piers or foundations or the erection of temporary forms, nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For an alteration, the actual start of construction means the first alteration of any wall, ceiling, floor or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

41. State Coordinating Office

The West Virginia Division of Homeland Security and Emergency Management.

42. Stream

As defined in West Virginia Code §7-1-3u, any watercourse, whether natural or man-made, distinguishable by banks and a bed, regardless of its size, through which water flows continually or intermittently, regardless of its volume.

43. Structure

A walled and roofed building or a manufactured home, including a gas or liquid storage tank that is principally above ground and used primarily for services to such walled and roofed building or manufactured home, as well as a manufactured home.

44. Subdivision

Development that includes a creation of individual land parcels for future sale. It does not include development where rights-of-way or easements are obtained and recorded.

45. Subject Property

“Subject property” includes the surface tract(s) upon which the proposed development is planned and for which the Floodplain Permit Application is submitted.

46. Substantial Damage

Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damage condition would equal or exceed 50 percent of the fair market value of the structure before the damage occurred. Substantial damage also means cumulative flood-related damages sustained by a structure on two separate occasions during a 10 year period for which the cost of repairs at the time of each flood event equals or exceeds 25 percent of the fair market value of the structure before the damage occurred. See “Substantial Improvement”.

47. Substantial Improvement

Any repair, reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the fair market value of the structure before the start of construction of the improvement.

This term includes structures, which have incurred “substantial damage”, as defined herein regardless of the actual repair work performed. The

term does not, however, include any project for improvement of a structure to correct existing violation(s) of State or Local Health, Sanitary or Safety Code Specifications which have been identified by the Local Code Enforcement Official and which are the minimum necessary to assure safe living conditions.

Historic structures undergoing repair or rehabilitation that would constitute a substantial improvement as defined above, must comply with all Ordinance requirements that do not preclude the structure's continued designation as a historic structure. Documentation that a specific Ordinance requirement will cause removal of the structure from the National Register of Historic Places or the State Inventory of Historic Places must be obtained from the Secretary of the Interior of the State Historic Preservation Officer. Any exemption from Ordinance requirements will be the minimum necessary to preserve the historic character and design of the structure.

For the purpose of this definition improvement is considered to occur when the first alteration of any wall, ceiling, floor or other structural part of the building commences whether or not the alteration affects the external dimensions of the structure.

48. Top of Bank

The lines depicted on the FIRM maps delineating each side of a stream indicate the top of the bank. In the field a professional familiar with fluvial geomorphology should document the top of the bank. When a professional is not employed the top of the bank will be considered to be the top of the first significant slope landward of the waters edge when it is followed by at least 50 feet of relatively flat land.

49. Violation

The failure of any structure or development to be fully compliant with all requirements of this Ordinance. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance required by this Ordinance is presumed to be in violation until such time as the documentation is provided.

ARTICLE III – ESTABLISHMENT OF THE FLOODPLAIN AREA

Section 3.1 Identification

- A. The identified Floodplain Area shall be those areas of Doddridge County which are subject to a one percent or greater chance of flooding in any given year as shown on the Flood Insurance Rate Map (FIRM) and described in the Flood

Insurance Study (FIS) prepared for Doddridge County by the Federal Emergency Management Agency (FEMA) dated October 4th, 2011 or the most recent revision thereof.

- B. The identified Floodplain Area shall also be those areas which have been identified as flood hazard areas by Doddridge County by use of historic or other technical data and shown on the Doddridge County "Local Flood Hazards Map". These areas shall be designated as appropriate with the level of technical data described below and shall be managed accordingly.

Section 3.2 Descriptions of Floodplain Areas

The identified Floodplain shall consist of the following four specific areas:

- A. The Floodway Area shall be those areas identified as such in the Flood Insurance Study (FIS) and as shown on the Flood Insurance Rate Map (FIRM). The term shall also include Floodway Areas identified in studies required to be used in the approximate areas as discussed below.
- B. The Floodway Fringe Area shall be those areas for which specific one hundred (100) year flood elevations have been provided in the FIS but which lie beyond the Floodway Area.
- C. The AE Area Without Floodway shall be those areas identified as an AE Zone on the Flood Insurance Rate Map (FIRM) included in the Flood Insurance Study (FIS) prepared by FEMA for which 100-year flood elevations have been provided but no Floodway has been delineated.
- D. The Approximated Area shall be those areas identified as an A Zone on the Flood Insurance Rate Map (FIRM) included in the Flood Insurance Study (FIS) prepared by FEMA and for which no one hundred (100) year flood elevations have been provided.

Section 3.3 Changes in Designation of Area

- A. The delineation of the identified Floodplain Area may be revised by the Doddridge County Commission where natural or man-made changes have occurred and/or more detailed studies conducted or undertaken by the U.S. Army Corps of Engineers, a River Basin Commission or other qualified agency or individual document necessitates such changes. However, prior to any such change, approval must be obtained from the Federal Emergency Management Agency.
- B. A County's base flood elevations may increase or decrease resulting from physical changes affecting flooding conditions. As soon as practical but, not later than six months from the date such information becomes available, the County shall notify the NFIP Administrator of the changes by submitting technical or scientific data.

- C. Doddridge County may identify and regulate new flood hazard or ponding areas. These areas shall be delineated on a "Local Flood Hazard Map" using best available topographic data and locally derived information such as flood of record, historic high water marks and/or approximate study methodologies.

Section 3.4 Elevations Prevail

- A. If the lowest natural grade adjacent to proposed development within an identified flood hazard area is at or above the Base Flood Elevation specified in the Flood Insurance Study (FIS), the structure shall not be required to conform to the flood prevention design and construction standards or flood-related development codes in Article VI. Topographic data certified by a registered professional engineer or licensed professional surveyor shall be submitted in sufficient detail to allow a thorough review by the Floodplain Administrator. The applicant shall apply for a Letter of Map Amendment (LOMA) from FEMA to have the Special Flood Hazard Area designation removed from the parcel or structure.
- B. If the lowest natural grade adjacent to proposed development is below the Base Flood Elevation specified on the Flood Insurance Study (FIS), the site shall be considered to be within the Floodplain Area and the proposed structure shall be required to conform to all appropriate provisions of this Ordinance.

Section 3.5 Boundary Disputes

Should a dispute concerning any district boundary arise, an initial determination shall be made by the Floodplain Administrator and any party aggrieved by this decision may appeal to the County Commission sitting as the "Floodplain Appeals Board". The burden of production and proof shall be on the appealing party.

ARTICLE IV – UTILIZATION OF THE FLOODPLAIN AREA

Section 4.1 Floodway (F1)

- A. Within any Floodway Area (F1), no encroachments, including fill, new construction, substantial improvements, or other development shall be permitted unless it has been demonstrated through hydrologic and hydraulic analysis performed in accordance with standard engineering practice that the proposed encroachment will not result in any increase in the Base Flood Elevation.
- B. Because Floodways present increased risk to human life and property due to their relatively faster and deeper flowing waters the Floodways shall be preserved to the greatest extent possible.
 - 1. New development shall not be permitted in the Floodway where reasonable alternatives exist elsewhere. In addition to the requirements below the applicant shall demonstrate that there are no reasonable

alternatives other than the Floodway encroachment before a permit is issued.

2. When the Floodway is the only reasonable alternative the applicant shall demonstrate that the Floodway encroachment is the minimum necessary to accomplish the project.
3. All permitted uses, activities, and development shall be undertaken in strict compliance with the flood proofing and related provisions contained herein, and in all other applicable Federal and State Law, Ordinances and Regulations.

Section 4.2 Floodway Fringe (F2)

Within any Floodway Fringe Area any development and/or use of land shall be permitted provided that all such uses, activities and/or development shall be undertaken in strict compliance with the flood-proofing and related provisions contained herein and in all other applicable codes, ordinances and regulations.

Section 4.3 AE Zone Without Floodway Area (F3)

Within any AE Zone Without Floodway Area, no new construction or development shall be allowed unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the elevation of the 100-year flood more than one (1) foot at any point.

Section 4.4 Approximated Floodplain (Zone A) (F4)

Within any Approximated Floodplain Area:

- A. The Floodplain Administrator shall use elevation and floodway information from Federal, State, or other acceptable sources when available to determine the elevation above which development will be reasonably safe from flooding.
- B. When data from an acceptable source is not available, the Floodplain Administrator shall review, or shall cause to be reviewed; all proposed development to determine (1) the amount being invested and (2) the specific flood risk at the site. The Floodplain Administrator shall then require the applicant to determine the elevation above which the development and adjacent properties including but not limited to existing buildings will be reasonably safe from flooding using hydrologic and hydraulic analyses or other techniques. When hydrologic and hydraulic analyses are required, they shall only be prepared by a registered professional engineer who shall certify that the methods used correctly reflect currently accepted technical concepts. The resulting study shall include a cover letter, signed by the responsible professional, providing a statement of findings in basic terms. In addition, studies, analyses, computations, etc. shall be

submitted in sufficient detail to allow a thorough technical review by the Floodplain Administrator.

- C. Any development and/or use of land shall be permitted provided that all such uses, activities and/or development shall be undertaken in strict compliance with the flood-proofing and related provisions contained herein and in all other applicable Federal and State Laws, Ordinances and Regulations.
- D. Within any apportioned Floodplain Zone (Zone A) without Floodway Area, no new construction or development shall be allowed unless it is demonstrated that the cumulative impact of the proposed development, when combined with all other existing and anticipated development, will not increase the elevation of the 100-year flood more than one (1) foot at any point.

Section 4.5 Alteration or relocation of a stream

- A. Whenever a developer intends to alter or relocate a stream within the Floodplain Area the developer shall notify in writing, by certified mail, Doddridge County's Floodplain Administrator, the State Coordinating Office, any adjacent communities and any adjacent property owners of all such intended activities prior to the alteration or relocation of the stream. Copies of all required notifications must be submitted to the Federal Emergency Management Agency. In addition prior to issuing the local permit the Floodplain Administrator shall require copies of all necessary permits from those governmental agencies from which Federal or State Law requires approval. Contact information for State and Federal permitting authorities as well as addresses for required notification of appropriate County, State and Federal government agencies are contained in Doddridge County's Stream Alteration Administrative Procedures.
- B. The developer shall also assure Doddridge County in writing that the flood carrying capacity within the altered or relocated portion of the stream will be maintained. The Floodplain Administrator may require the applicant to demonstrate that the altered or relocated portion of stream will provide equal or greater conveyance than the original stream segment. If hydrologic and hydraulic analysis are required, they shall only be undertaken by a registered professional engineer, who shall certify that the methods used correctly reflect currently accepted technical concepts. The resulting study shall include a cover letter, signed by the responsible professional, providing a statement of findings in basic terms. In addition, studies, analyses and computations shall be submitted in sufficient detail to allow a thorough technical review by the Floodplain Administrator.
- C. Alteration of a stream includes placement of permanent culverts, bridges or other stream crossings. The Floodplain Administrator may require the use of certain "best practice" techniques in the construction of permanent bridges, culverts or stream crossings to prevent damage, loss of stream crossings and localized flooding caused by blockage. These techniques may include, but are not limited

to, wing walls, trash grates or requiring openings to be of sufficient size to pass debris and/or anticipated future increases in flood heights.

- D. All new permanent and replacement bridges, culverts and other stream crossings shall adhere to the relevant anchoring requirements contained in this Ordinance.
- E. The developer is required to provide the County a legal agreement detailing all scheduled inspections and maintenance to be performed on altered or relocated watercourses including permanent culverts, bridges and other stream crossings. It shall be the responsibility of the applicant to transfer the agreement to the purchaser when the land associated with the watercourse alteration is transferred. A copy of all new agreements shall be provided to the Floodplain Administrator. Failure to transfer the agreement and provide a signed copy to the Floodplain Administrator shall subject the violator to the penalties set forth in Section 8.4 of this Ordinance.
- F. The applicant must submit any maps, computations or other material required by the Federal Emergency Management Agency (FEMA) to revise the Flood Insurance Study (FIS) and/or Flood Insurance Rate Maps (FIRM), when notified by the Floodplain Administrator, and must pay any fees or other costs assessed by FEMA for this purpose.

ARTICLE V – CRITERIA FOR BUILDING AND SITE PLAN APPROVAL

Section 5.1 General

A Permit is required in order to determine whether all new construction or substantial improvements are:

- A. Located in an identified Floodplain, Floodway or other Flood Hazard Area.
- B. Designated (or modified) and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy.
- C. Constructed with material and utility equipment resistant to flood damage as outlined in FEMA Technical Bulletin 2-93 (FIA-TB-2) or the most recent revision thereof.
- D. Constructed by methods and practices that minimize flood damage.
- E. Constructed with electrical, heating, ventilation, plumbing and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during flooding.
- F. To comply with West Virginia Code §11-3-3a. concerning County Assessor “Building or Real Property Improvement Notice”.

- G. Approved by County Health Department for Well, Septic and other permits to assure facilities are designed and located in compliance with the flood damage reduction requirements of this Ordinance.

Section 5.2 Basic Format

The basic format of the permit shall include the following:

- A. Name and address of applicant.
- B. Name and address of owner of land on which proposed development is to occur.
- C. Applicant shall provide names, addresses, and valid West Virginia license numbers of all contractors working at the building site, or affidavits stating that work is being performed by individuals exempt from contractor licensing as set forth in Title 28, Series 2, section 3.9(b) of the West Virginia Code of State Regulations or the most recent revision thereof, if known at the time the Permit Application is submitted. If not known, applicant shall provide the information within 14 days of execution of a contract with its contractor(s) prior to beginning construction.
- D. A description of site location sufficient to locate the proposed development including tax map and parcel numbers and most recent deed book and page number.
- E. A standard site plan showing size and location of the proposed development as well as any existing buildings or structures. The site plan shall also show all adjacent roads and watercourses with direction of flow, the lowest adjacent grade to the proposed foundation and/or toe of fill, the Base Flood Elevation and the location of the Floodway boundary when applicable.
- F. An acknowledgement that the applicant agrees to pay any and all fees associated with the permitting process as set forth in Article VII Sections 7.3 and 7.9 of this Ordinance.
- G. An acknowledgment that the applicant agrees to allow The Floodplain Administrator and authorized representatives of floodplain management programs access to the development to inspect for compliance.
- H. The contract required by West Virginia Code of State Regulations, Title 28, Series 4, and all addendums to the contract(s) shall be presented to the Floodplain Administrator for review within fourteen (14) business days of contract signing. The Floodplain Administrator shall keep copies of all contracts or addendums and shall file "redacted" copies of the contracts and addendums with the Clerk of the County Court in the Applicant's Permit Application File. The Floodplain Administrator shall consult with the applicant to redact proprietary and confidential information from the contracts and addendums that are not otherwise

public information. Failure to present contract(s) or addendums for review shall void the permit. If a licensed contractor is not involved, or the work is of an aggregate construction cost value of less than ten thousand dollars including material and labor, a brief written description of proposed work and the estimated value will suffice.

Section 5.3 Elevation and Flood Proofing Information

All applicants are encouraged to exceed the minimum elevation requirements contained herein. Flood insurance rates can be lowered significantly by increasing the elevation of the lowest floor above the freeboard height required by this Ordinance.

Depending on the type of structure involved, the following information shall also be included in the application for work within the Floodplain Area:

- A. For structures to be elevated two feet above the Base Flood Elevation:
1. A plan showing the size of the proposed structure and its relation to the lot where it is to be constructed.
 2. A determination of elevations of the Base Flood, existing ground, proposed finished ground and lowest floor, certified by a registered professional engineer or licensed professional surveyor.
 3. Plans showing the methods of elevating the proposed structure including details of proposed fills, pile structures, retaining walls, foundations, erosion protection measures, etc. When required by the Floodplain Administrator, a registered professional engineer or architect shall prepare the plans.
 4. Plans showing the methods used to protect utilities (including sewer, water, telephone, electric, gas, etc.) from flooding to two feet above the Base Flood Elevation at the building site.
 5. During the course of construction, as soon as the basic elements of the lowest floor are in place and before further vertical construction, it is highly recommended that the applicant check for error by obtaining elevation data completed by a registered professional engineer or licensed professional surveyor certifying the height of the lowest floor. If a mistake in elevation has been made this is the best time to correct the error.
 6. A finished construction elevation certificate must be prepared by a licensed professional surveyor or others of demonstrated qualification. The elevation certificate must confirm the structure in question together with attendant utilities are elevated in compliance with permit conditions.

7. A Non-Conversion Agreement shall be signed by the applicant whenever the Floodplain Administrator determines that the area below the first floor could be converted to a non-conforming use (generally applies to enclosed areas below base flood elevation that are 5 ft. high or more). This agreement shall state:

- (a) The area below Base Flood Elevation shall not be converted for use other than for parking, building access or for allowable storage as detailed in this Ordinance.
- (b) The applicant agrees to notify prospective purchasers of the existence of the Non-Conversion Agreement. It shall be the responsibility of the applicant to transfer the agreement at closing to the purchaser through notarized signature, a copy of all new Non-Conversion Agreements shall be provided to the Floodplain Administrator. Failure to transfer the Non-Conversion Agreement and provide a signed copy to the Floodplain Administrator shall subject the violator to the penalties set forth in Section 8.4 of this Ordinance.

B. For structures to be flood proofed to two feet above the Base Flood Elevation (nonresidential structures only):

All applicants shall meet or exceed the minimum flood proofing requirements contained herein. Flood insurance rates can be lowered significantly by increasing the level of flood proofing above the height required by this Ordinance. In order to obtain an "elevation credited" flood insurance rate on dry flood proofed buildings, flood proofing must extend at least one foot above the Base Flood Elevation.

- 1. Plans showing details of all flood proofing measures, prepared by a registered professional engineer, showing the size of the proposed structure and its relation to the lot where it is to be constructed.
- 2. A determination of elevations of the Base Flood, existing ground, proposed finished ground, lowest floor, and flood proofing limits, certified by a registered professional engineer or licensed professional surveyor.
- 3. A Flood Proofing Certificate, FEMA 81-65, as revised by FEMA, shall be prepared by the registered professional engineer who prepared the plans in (1) above, stating the structure in question, together with attendant utility and sanitary facilities are designed so that:
 - (a) The structure is water tight with walls substantially impermeable to the passage of water from the lowest structural element to two feet above the Base Flood Elevation.

- (b) The structure will withstand the hydrostatic, hydrodynamic, buoyant, impact, and other forces resulting from the flood depths, velocities, pressures, and other factors associated with the Base Flood.
- C. For structures constructed of flood resistant materials – used solely for parking of vehicles, or storage (Appurtenant Structures only)
 - 1. A site plan prepared by a licensed professional surveyor or others of demonstrated qualifications showing elevation of existing ground, proposed finished ground and lowest floor. The plan shall also show details of proposed flood resistant materials usage and the size of the proposed structure and its relation to the lot where it is to be constructed. The location of the Floodway boundary shall be represented on the plan when a Floodway is present on the site.
 - 2. An Elevation Certificate, based on finished construction, must be prepared by a licensed professional surveyor or others of demonstrated qualifications. This certificate or report must confirm that the structure in question, together with attendant utilities is designed so that:
 - (a) Flood resistant materials as detailed in FEMA Technical Bulletin 2-93 (FIA-TB-2) are used in the construction of the structure from the lowest structural element to two feet above the Base Flood Elevation and that all utilities are located at least two feet above the Base Flood Elevation.
 - (b) Hydrostatic flood forces on exterior walls are equalized by allowing for automatic entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:
 - (i) A minimum of two openings have a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
 - (ii) The bottom of all openings shall be no higher than one foot above grade.
 - (iii) Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
 - 3. In addition, the applicant shall sign a Non-Conversion Agreement and notify prospective purchasers of the existence of the Non-Conversion Agreement. It shall be the responsibility of the applicant to transfer the Non-Conversion Agreement to any purchaser at closing through notarized signature. A signed copy of the transferred Non-Conversion Agreement

shall be provided to the Floodplain Administrator. Failure to transfer the Non-Conversion Agreement and provide a signed copy to the Floodplain Administrator shall subject the violator to the penalties set forth in Section 8.4 of this Ordinance.

Section 5.4 Site Plan Criteria

Site plans are required for all development, new construction and substantial improvements determined to be located in a mapped Floodplain Area and all proposed subdivisions and manufactured home parks. These proposals shall be reviewed by the Floodplain Administrator to assure that they are consistent with the need to minimize flood damage.

The owner or developer shall submit a preliminary site plan to the Floodplain Administrator that includes the following information:

- A. Name of registered professional engineer, licensed professional surveyor or other qualified person responsible for providing the information required in this section.
- B. A map showing the location of the proposed subdivision and/or development with respect to Floodplain Areas, proposed lot sites, and fill areas.
- C. Where the subdivision and/or development lies partially or completely in the Floodplain Area, the plan map shall include detailed information giving the location and elevation of proposed roads, utilities and building sites. All such maps shall also show contours at intervals of two (2) or five(5) feet depending upon the slope of the land and identify accurately the boundaries of the Floodplain Area. A registered professional engineer or licensed professional surveyor must certify the site plan.
- D. All subdivision proposals and other proposed new developments which are proposed to take place either fully or partially within the Approximated Floodplain Area (F4) and which are greater than ten (10) lots or two (2) acres, whichever is the lesser, shall include Base Flood Elevation data and shall delineate the Floodway.
 1. When a Flood Insurance Study (FIS) is available from FEMA, the date contained in that study must be used to substantiate the Base Flood Elevation.
 2. If a FEMA Flood Insurance Study is not available the required data may be available from an authoritative source, such as the U.S. Army Corps of Engineers, U.S. Geological Survey, Natural Resource Conservation Service or State and Local Water Resource Department.
 3. If the required data is not available from other sources the applicant shall develop the technical data using detailed methodologies comparable to

those contained in a Flood Insurance Study. This data shall be prepared and certified by a registered professional engineer, who shall certify that the methods used correctly reflect currently accepted technical concepts.

- E. Where the subdivision or other development site lies partially in the Floodplain Area and all proposed development including fill will take place on natural grade a significant vertical distance above the Approximated Floodplain Area (Zone A) boundary depicted on the map, development of detailed Base Flood Elevation data may not be necessary. In these cases the site plan for the proposed development must show contours at intervals of two (2) or five (5) feet depending on the slope, and clearly delineate the area to be developed and the location of the Floodplain boundary as scaled from the FEMA map. A registered professional engineer, licensed professional surveyor or others of demonstrated qualifications must certify the site plan.

ARTICLE VI – SPECIFIC REQUIREMENTS

Section 6.1 Design and Construction Standards

In order to prevent excessive damage to buildings, structures, and related utilities and facilities, the following restrictions apply to all development, subdivision proposals, manufactured home parks; new construction and to construction of substantial improvements, and the repair of substantial damage, to existing structures occurring in the Floodplain Area.

- A. Basements and Lowest Floors
1. Residential Structures – All new construction, relocation, substantial improvements, including repair of substantial damage, of residential structures must have the lowest floor, including basement, ductwork and utilities, elevated to two feet above the Base Flood Elevation.
 2. Non-residential Structures – All new construction, relocation, substantial improvements, including repair of substantial damage, of non-residential structures must have the lowest floor, including basement, ductwork and utilities, elevated to two feet above the Base Flood Elevation; or, together with attendant utility and sanitary facilities, be designed so that the structure is water tight with walls substantially impermeable to the passage of water from the lowest structural element to two feet above the Base Flood Elevation.
 3. Openings – For all new construction, relocation, substantial improvements, and repair of substantial damage, those fully enclosed areas below the lowest floor that are usable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for entry and exit of floodwaters.

Designs for meeting this requirement must either be certified by a registered professional engineer or meet or exceed the following minimum criteria:

- (a) A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding, shall be provided
 - (b) The bottom of all openings shall be no higher than one foot above grade.
 - (c) Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
4. A Non-Conversion Agreement shall be signed by the applicant on all flood-proofed structures and any elevated structures when the Floodplain Administrator determines that the area below the first floor could be converted to a non-conforming use (generally applies to the enclosed areas below base flood elevation that are 5 ft. high or more). This agreement shall state:
- (a) The area below the Base Flood Elevation shall not be converted for use other than for parking, building access or for allowable storage as detailed in this Ordinance.
 - (b) The applicant agrees to notify prospective purchasers of the existence of the Non-Conversion Agreement. It shall be the responsibility of the applicant to transfer the Non-Conversion Agreement at closing to the purchaser through notarized signature. A copy of a Non-Conversion Agreement shall be provided to the Floodplain Administrator. Failure to transfer the Non-Conversion Agreement and provide a signed copy to the Floodplain Administrator shall subject the violator to the penalties set forth in Section 8.4 of this Ordinance.

B. Manufactured Home Placement

Certain unique characteristics of manufactured homes installed in Flood Hazard Areas pose an elevated risk of substantial damage to property. Therefore, it is required that:

1. All manufactured homes to be installed within the identified Flood Hazard Areas of Doddridge County shall be installed by a contractor possessing a valid West Virginia Manufactured Home Installer's License. The installer shall use an installation design engineered to withstand flood hazards specific to the particular home site. Manufactured homes to be installed or substantially improved within the Flood Hazard Areas shall be installed in accordance with the following standards:

- (a) The lowest floor, ductwork and utilities including HVAC/heat pump shall be elevated two feet above the Base Flood Elevation.
 - (b) Elevation shall be on reinforced piers on a permanent foundation or other foundation elements of at least equivalent strength engineered for use in a Flood Hazard Area. Installation designs incorporating dry stacked block piers shall not be used in the Flood Hazard Areas.
 - (c) All manufactured homes shall be securely anchored to an adequately anchored foundation system in compliance with the requirements of 42 West Virginia Code of State Regulations, Series 19, Sections 10A and 10B as authorized by West Virginia Code § 21-9-1 et seq. The anchoring shall be adequate to resist flotation, collapse, or lateral movement. Methods of anchoring may include but are not limited to the over-the-top and frame ties, attached to permanent foundation elements. Ground anchors may not be adequate to satisfy flood specific anchoring requirements. This requirement is in addition to applicable State and Local anchoring requirements for resisting wind forces.
 - (d) Permanently attached rigid skirts and perimeter wall skirts of brick or block must have openings; this type of skirting can collapse during floods and compromise supporting piers. The openings must be designed to automatically equalize hydrostatic flood forces by allowing for entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or meet or exceed the following minimum criteria:
 - (i) A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
 - (ii) The bottom of all openings shall be no higher than one foot above grade.
 - (iii) Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
 - (e) Any additions to a manufactured home shall be similarly anchored and vented.
2. The licensed West Virginia manufactured home installer installing the unit shall perform a site inspection and certify in writing that the manufactured home has been installed to the standards set forth in this Ordinance.

C. Appurtenant Structures

1. Except as provided in subsection 2 below, appurtenant structures shall be located out of the Floodplain Area or elevated to two feet above the Base Flood Elevation
2. Where appurtenant structures not connected to the principal structure are to be located on sites below the Base Flood Elevation, the following flood damage reduction provisions apply:
 - (a) Structures shall be no more than 600 square feet in size and have a Fair Market Value of less than \$10,000.00.
 - (b) Floors shall be at or above grade on at least one side.
 - (c) Structures shall be located, oriented and constructed to minimize flood damage.
 - (d) Structures shall be designed (or modified) and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy.
 - (e) Flood resistant materials as detailed in FEMA Technical Bulletin 2-93 (FIA-TB-2) shall be used in the construction of the structure from the lowest structural element to two feet above the Base Flood Elevation.
 - (f) Machinery, electric devices or appliances, and all utilities shall be located at least two feet above the Base Flood Elevation.
 - (g) Venting requirements:

Hydrostatic flood forces on exterior walls are equalized by allowing for automatic entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:

- (i) A minimum of two openings have a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
- (ii) The bottom of all openings shall be no higher than one foot above grade.
- (iii) Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

3. In addition, a Non-Conversion Agreement shall be signed by the applicant stating that the use of the appurtenant structure or detached or attached garage shall not be changed from the use permitted, acknowledging that the structure may be subject to greater flood risk and that higher flood insurance premiums may be possible, and that a change in use may require full compliance with this Ordinance. The applicant agrees to notify prospective purchasers of the existence of the Non-Conversion Agreement. It shall be the responsibility of the applicant to transfer the Non-Conversion Agreement at closing to the purchaser through notarized signature. A copy of the Non-Conversion Agreement shall be provided to the Floodplain Administrator. Failure to transfer the Non-Conversion Agreement and provide a signed copy to the Floodplain Administrator shall subject the violator to the penalties set forth in Section 8.4 of this Ordinance.

D. Recreational Vehicle Placement

1. Recreational vehicles to be placed within any Floodplain Area shall either:
 - (a) Be on site for fewer than 180 consecutive days. Or,
 - (b) Be fully licensed and ready for highway use. A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick disconnected utilities and security devices, and has no permanently attached additions. Or,
 - (c) Be installed in accordance with the manufactured home placement requirements and all other flood reduction requirements contained in this Ordinance.

E. Fill

The County Commission of Doddridge County officially recognizes the beneficial functions the Floodplain Area serves in storage and transportation of water during floods. Placement of fill in the Floodplain Area is discouraged and should be minimized.

No fill shall be permitted in the Floodway unless it has been demonstrated through hydrologic and hydraulic analyses performed in accordance with currently accepted technical standards that the proposed fill will not result in any increase in the Base Flood Elevation.

All fill placed in other Floodplain Areas shall meet or exceed the following standards:

1. Fill shall be used only to the extent to which it does not adversely affect the subject property and adjacent properties. The Floodplain Administrator may require the applicant to demonstrate through engineering reports that proposed fill would not adversely affect the subject property and adjacent properties. When required, hydrologic and hydraulic analyses shall be undertaken only by a professional engineer who shall certify that the technical methods used correctly reflect currently accepted technical concepts. The resulting study shall include a cover letter, signed and sealed by the responsible professional, providing a statement of findings in basic terms. In addition, studies, analyses, computations, etc., shall be submitted in sufficient detail to allow a thorough technical review by the Floodplain Administrator. During permit review the Floodplain Administrator shall consider the following issues that have the potential to cause adverse impact to the subject property and adjacent properties:
 - (a) Unacceptable increases in flood heights.
 - (b) Blocking drainage from the subject property and adjacent properties.
 - (c) Deflection of floodwaters onto adjacent existing structures.
 - (d) Increases to stream velocity initiating or exacerbating erosion problems.
 - (e) Other unique site conditions may be considered when determining whether fill will cause adverse impact to the subject property and adjacent properties including, but not limited to, subsidence areas, karst topography, stream blockages, and steep topography adjacent to the channel.
2. Fill shall be used only to the extent to which it does not adversely affect the capacity of channels or floodways of any tributary to the main stream, drainage ditch, or any other drainage facility or system.
3. A Fill Site must be contoured to drain properly (avoid ponding) consistent with pre-construction conditions. This provision does not apply to properly constructed impoundments which comply with the remainder of this Ordinance and which are properly permitted by the West Virginia Department of Environmental Protection.
4. Fill shall extend beyond a structure for a sufficient distance to provide acceptable access. For residential structures, fill shall extend laterally fifteen (15) feet beyond the building line from all points before the start of sloping required in subsection 5 below. For non-residential structures, fill shall be placed to provide access acceptable for intended use.
5. At grade access, with fill extending laterally fifteen (15) feet beyond the building line shall be provided to a minimum of twenty-five (25) percent of the perimeter of a non-residential structure.

6. Fill shall consist of soil or rock material only. Sanitary landfills shall not be permitted; no trash or woody debris shall be burned on site.
7. Fill material shall be compacted to provide the necessary stability and resistance to erosion, scouring or setting. Fill compaction standards must be appropriate to proposed post fill use, particular attention is necessary when fill is being used to elevate a structure.
8. Fill slopes shall be no steeper than one (1) vertical on two (2) horizontal, unless substantiating data justifying steeper slopes are submitted to and approved by the Floodplain Administrator.
9. Fill site and fill must be protected from erosion.
10. All applicants placing fill in a mapped Floodplain Area shall obtain a Conditional Letter of Map Revision (CLOMR) from FEMA when directed to do so by the Floodplain Administrator before a permit can be issued. After fill is finished the applicant shall convert the CLOMR to a Letter of Map Revision based on Fill (LOMR-F) before a Certificate of Compliance can be issued. The Floodplain Administrator is hereby appointed as the designated official to approve a request for a (CLOMR) or (LOMR-F), and shall cooperate with the applicant with respect to any requirements of FEMA for requesting a (CLOMR) or (LOMR-F), which includes, but is not necessarily limited to, approving said request and executing Form 1, "Overview & Concurrence Form" or other form as may be required by FEMA.
11. The applicant shall submit any maps, computations or other material required by the Federal Emergency Management Agency (FEMA) to revise the Flood Insurance Study (FIS) and/or Flood Insurance Rate Maps (FIRM), when notified by the Floodplain Administrator, and shall pay any fees or other costs assessed by FEMA for this purpose.

F. Placement of Structures and other development

1. All structures and other development shall be constructed and placed on the property so as to offer the minimum obstruction to the flow of water and shall be designed to have a minimum obstruction effect upon the flow and height of floodwater.
 - (a) Whenever possible, structures shall be constructed with the longitudinal axis parallel to the direction of flood flow and,
 - (b) In so far as practicable, structures shall be placed approximately on the same flood-flow lines as those of adjoining structures.

G. Anchoring

1. All structures and other development including stream crossings shall be firmly anchored in accordance with accepted engineering practices to prevent flotation, collapse, and lateral movement, thus reducing the threat to life and property and decreasing the possibility of the blockage of bridge openings and other restricted sections of the watercourse
2. All air ducts, large pipes, and storage tanks located at or below the Base Flood Elevation shall be firmly anchored to resist flotation.

H. Flood Protection Setback

1. A Flood Protection Setback equal to twice the width of the watercourse channel measuring from the top of one bank to the top of the opposite bank of 50 feet, whichever is less, shall be maintained from the top of the banks of all watercourses. Specifically, as for oil and gas wells and well pads, no well pad may be prepared or well drilled within 100 feet from any perennial stream, natural or artificial lake, pond, reservoir or wetland. [See W.Va. Code §22-6A-12(b)]. To reduce erosion, natural vegetation shall be maintained in this area. Where natural vegetation does not exist along the watercourse and conditions for replanting are suitable, high priority shall be given to planting vegetation in the setback area to stabilize banks and enhance aquatic resources.
2. Necessary public works and temporary construction may be exempted from this subsection at the discretion of the Floodplain Administrator.
3. At the discretion of the Floodplain Administrator the Flood Protection Setback requirement can be waived in whole or part if the applicant demonstrates that it is impossible to allow any development without encroachment into the Flood Protection Setback Area. The conditions shall be the minimum necessary and shall be made only after due consideration is given to varying other siting standards, such as side, front and back lot line setbacks.

I. Storage

1. No materials that are buoyant, flammable, explosive, or in times of flooding could be injurious to human, animal or plant life, shall be stored below Base Flood Elevation except for mineral storage properly and wholly within the ground in compliance with other State environmental agency(ies) requirements..
2. Storage of other material or equipment may be allowed if not subject to substantial damage by floods and firmly anchored to prevent flotation or readily removable from the area within the time available after flood warning.

3. Due to the potential of masking the natural elevation and making it more difficult to enforce this Ordinance, material that resembles "fill" material shall not be considered "storage" material for purposes of this subsection.

J. Utility and Facility Requirements

1. All new or replacement water systems whether public or private, shall be designed to minimize or eliminate infiltration of floodwaters into the systems.
2. All new or replacement sanitary disposal systems, whether public or private, shall be designed to minimize or eliminate infiltration of floodwaters into the systems and discharges from the systems into floodwaters.
3. All other new or replacement public or private utilities and facilities shall be located and constructed to minimize or eliminate flood damage.
4. Onsite waste disposal systems shall be located to avoid impairment to the system or contamination from the system during flooding.

K. Drainage

Adequate drainage shall be provided to reduce exposure to flood hazard.

L. Backflow Preventers

Back flow prevention valves should be used for all enclosed structures with sewage or drainage facilities located in the Floodplain Area.

ARTICLE VII – ADMINISTRATION

Designation of Floodplain Administrator

The Doddridge County Commission shall appoint the Floodplain Administrator. The term of appointment of the Floodplain Administrator shall be for 12 months from January 1, through December 31, of any calendar year. Upon appointment of the Floodplain Administrator at a regularly scheduled meeting of the Doddridge County Commission the meeting minutes with the applicable Floodplain Ordinance shall be provided to FEMA.

The Floodplain Administrator shall be a competent adult who is a resident of West Virginia and a certified Land Surveyor and/or an educated or Licensed Engineer and/or a person who has completed within one year of his appointment the State/FEMA sponsored NFIP Class 273 entitled "Managing Floodplain Development" and remain current with State required continuing education training. (See W.Va. Code §15-5-20a) The Floodplain Administrator shall have the official title of "OES Director for Floodplain Management". The Floodplain Administrator may

also be identified as the Floodplain Manager. In the absence of a formally appointed Floodplain Administrator the duties set forth in this Ordinance for the Floodplain Administrator shall be temporarily fulfilled by the President of the County Commission.

The Floodplain Administrator shall administer and implement this Ordinance by granting or denying floodplain development permits in accordance with its provisions.

Section 7.1 Development Permits and Site Plan Approvals Required

It shall be unlawful for any contractor, person, partnership, business, limited liability corporation or corporation to undertake or cause to be undertaken, any development or the new construction, substantial improvement, repair of substantial damage, the placement or relocation of any structure (including manufactured homes) within Doddridge County unless a permit application and standard site plan has been completed, and a permit has been obtained from the Floodplain Administrator. In addition, where land that is either partially or fully in the regulatory Floodplain is to be subdivided, utilized for a manufactured home park or subdivision or otherwise developed, a detailed site plan must be submitted to, and approved by, the Floodplain Administrator prior to any development.

Section 7.2 Approval of Permits and Plans

- A. The Floodplain Administrator shall review, or shall cause to be reviewed, all permit applications and plans within 90 days from the Permit Application submission date in order to determine whether the proposed development is reasonably safe from flooding. Further, the Floodplain Administrator shall review all objections, comments, protest letters and other writings submitted in opposition of said Floodplain Permit Application and give due consideration to the same before granting or denying said Permit.
- B. All permits and plans shall be approved only after it has been determined that the proposed work to be undertaken will be in conformance with the requirements of this Ordinance, State and Federal Laws, Ordinances and Regulations.
- C. The Floodplain Administrator shall not issue a permit to any person who does not possess a valid contractor's license when a contractor's license is required by West Virginia Code §21-11-76.
- D. If the applicant is not licensed under West Virginia Code §21-11-6 a written affidavit that such person is not subject to licensure as a contractor or subcontractor as defined in §21-11-6 shall be filed with the County Clerk, date/time stamped and filed in the official Floodplain Permit Application File.
- E. Any permit required of any other governmental agencies, whether Federal or State or Local, that requires site approval, shall be filed with the County Clerk, date/time stamped and filed in the official Floodplain Permit Application File prior to final issuance of said permit and prior to the start of construction.

- F. The Floodplain Administrator shall provide a copy of all permits to the County Assessor as required by West Virginia Code §11-3-3a.
- G. The Floodplain Administrator shall provide a copy of all Floodplain Permits for new structures to the County E-911 Addressing Coordinator.
- H. The County E-911 Addressing Coordinator shall provide a copy of all requests for addresses for new structures to the Floodplain Administrator.
- I. After the filing of an Application for a Floodplain Permit and receiving a properly and timely filed objection to the issuance of a Floodplain Permit Application, but prior to the Floodplain Administrator's decision to grant or deny the same, the Floodplain Administrator may, in his sole discretion, hold a public meeting wherein evidence can be taken or given by interested persons or parties. Said meeting shall have a court reporter present to record all testimony and receive all exhibits and evidence. Said meeting notice shall be mailed by certified mail return receipt requested to the Permit Applicant and the objecting person or entity and placed upon the agenda of a regularly scheduled Doddridge County Commission meeting announcing the date, time and place of said meeting not prior to 10 calendar days from official announcement. The meeting transcript and exhibits presented shall be filed in the official Floodplain Application Permit File.

Section 7.3 Application Procedures

Application for a permit and/or site plan approvals shall be filed, in writing, in duplicate, on the forms supplied by the Doddridge County Commission and shall include all information stipulated under Article V of this Ordinance.

- A. The Clerk of the County Court shall serve as the Custodian of all Permit Applications and other documents related thereto by keeping a discreet file for each Permit Application entitled “_____” (applicant's name) and _____ (location of project) Floodplain Permit Application # _____ (sequential).
- B. All applications, writings, letters, reports, drawings, reports in opposition, comments or other written things shall be proffered and filed upon presentation to the County Clerk. The County Clerk upon filing of any document shall time/date stamp each document. The County Clerk shall keep said filed documents in sequential order with a numbered index as the official record for said Floodplain Permit Application. Upon the filing of any written document the Clerk shall promptly provide a time/date stamped copy to the Floodplain Administrator.
- C. Only writings and documents filed with the County Clerk shall be considered as the official record for the Floodplain Permit Application Process.
- D. The initial Floodplain Permit Application with exhibits shall be filed in duplicate (the original marked “original” and one copy marked “Floodplain Administrator”)

only if accompanied with the payment of the Floodplain Permit Application Fee as set forth in Section 7.9 of this Ordinance. Payment shall be by certified or cashier's check made payable to the Doddridge County Commission and is non-refundable, except as is set forth below in paragraph 8 of this subsection. Also, the applicant shall provide at the time of filing:

1. Name and address of the owner(s) of the subject property to be affected by the permit if granted.
2. Name and address of all owners of surface tracts adjacent to the area of the surface tract upon which the proposed activity will occur and all other property owners who own property that may be affected by flooding as is demonstrated by a floodplain study or survey.
3. Name and address of at least one adult residing in each residence located upon the subject property at the time the Floodplain Permit Application is filed.
4. 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.
5. 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 this Ordinance.
6. The amount in dollars of the 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 Area.
7. In addition to the Floodplain Application Permit Fee, the applicant shall tender by certified or cashier's check an additional sum in the amount of \$100.00 if a single residential and \$1,000.00 if a multiple residential or commercial/industrial development payable to the Doddridge County Commission in the form of a "Deposit for Expenses" amount that will be held by the Doddridge County Commission and utilized by it, from time to time, to reimburse the County and its departments, offices and administrators for expenses and costs incurred by it/them for fulfilling the directives of this Ordinance. After completion of the project any remainder monies shall be timely reimbursed to the applicant. If the expenses and costs incurred are greater than the deposited sum the applicant shall be invoiced for said excess expense or costs and shall pay the same within 30 days of the invoice date.
8. If after a properly filed Floodplain Permit Application and payment of the Floodplain Application Fee the Floodplain Administrator shall determine within 14 days if any part of the development is in the Floodplain Area. If the Floodplain Administrator determines the complete proposed development is not within the Floodplain Area then the Floodplain Administrator shall make such a finding in writing and have it filed in the official Floodplain Permit Application File ending the Floodplain Permit

Application Process. If such a decision is made the Applicant shall, within 21 days, receive a reimbursement of the Permit Application Fee amounting to 95% of the Fee paid and 100% of the Deposit for Expenses.

E. Upon proper filing of the Floodplain Permit Application and payment of the Floodplain Permit Application Fee and Deposit for Expenses the County Clerk shall:

1. Have the Applicant endorse the following confirmation form and file the same in the official Floodplain Permit Application File:

"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 the Doddridge County Floodplain Administrator or Floodplain Appeals Board for review of materials and/or testimony regarding the efficacy of granting or denying the applicant's Floodplain Permit.

F. Notice of Floodplain Permit Application

1. Within five (5) business days wherein the County Clerk's Office is open, the County Clerk shall:

- (a) Place upon the Agenda of the Doddridge County Commission's next regularly scheduled meeting a Notice/Announcement setting forth the following:
 - (i) Name of Floodplain Permit Applicant.
 - (ii) Location of land wherein the Permit Application applies.
 - (iii) That any objections, comments, protests, letters of support, etc., shall be filed at the County Clerk's Office at 118 E. Court Street, Room 102, West Union, WV 26456 in writing within 20 days from the date of the County Commission Meeting wherein said announcement was publicly stated.
- (b) Send each property owner (except Floodplain Permit Application location owner) and all adjacent property owners and other

property owners that own property that may be affected by flooding as is demonstrated by a floodplain study or survey and at least one adult resident for each residence on said properties, notice of said Floodplain Permit Application by Certified Mail Return Receipt Requested back to the County Clerk.

- (c) In the event that any Certified Mail Return Receipt is not returned to the County Clerk demonstrating delivery within 10 days, the Clerk shall request personal service of process by the Sheriff of Doddridge County within 5 days wherein upon successful service, the Sheriff's Department shall file with the County Clerk a Return of Service Verification Form endorsed by the officer effectuating service of process and the name of the person served and the date and time of service.
- (d) Place in a qualified newspaper of general circulation in Doddridge County a Class II Legal Advertisement, pursuant to West Virginia Code §59-3-2 announcing the applicant's name and permit location as follows:

"Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the ____ day of _____, 20____,
_____ (applicant's name) filed an
application for a Floodplain Permit to develop land located at or
about _____. 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
_____ (date) (20 calendar days after the
announcement at the regularly scheduled Doddridge County
Commission Meeting) delivered to the Clerk of the County Court
at 118 E. Court Street, West Union, WV 26456.

Doddridge County Clerk

The County Clerk shall secure and file in the subject Floodplain Permit Application File an Affidavit from the newspaper certifying publication with attached the actual advertisement copy.

- (e) In the event that actual service of process is not perfected after Certified Mail and a personal service attempt by the Doddridge County Sheriff, then publication shall be deemed sufficient notice to actual landowners and residents of the subject property and all adjacent and other affected properties.

G. Granting/Denying Permit Application

The Floodplain Administrator shall announce within 90 days of the date of filing of a Floodplain Permit Application the granting or denial of any Floodplain Permit Application and reasons therefore in writing and filed with the County Clerk after the announcement of said Ruling at the next available regularly scheduled meeting of the Doddridge County Commission. The County Clerk shall file the Granted Permit or Denied Permit in the Applicant's Floodplain Permit File and shall also keep as filed in a separate Log all Granted and Denied Floodplain Application decisions of the Floodplain Administrator and the Floodplain Appeals Board.

- H. All Notice provisions in this Section are mandatory except that if an applicant can prove a need to reconstruct an existing structure within a Floodplain Area that was damaged in whole or in part by natural causes or an act of nature or vandalism by third parties and extraordinary circumstances exist wherein severe harm to persons and/or animals will occur the Floodplain Administrator may waive the same after appearing on the Agenda of the next regularly scheduled Doddridge County Commission meeting to hear any objection as to why said waiver shall not be granted. The Floodplain Administrator's Waiver Exemption decision is final.

Section 7.4 Changes

After the issuance of a Floodplain Permit or site plan approval by the Floodplain Administrator or Floodplain Appeals Board, no changes of any kind shall be made to the application, permit, or any of the plans, specification or other documents submitted with the application without the written consent and approval of the Floodplain Administrator.

Section 7.5 Permit Placards

The Floodplain Administrator shall issue a permit placard, which shall be prominently displayed on the subject property during the time development is in progress. This placard shall show the number of the permit, the date of its issuance and be signed by the Floodplain Administrator or the County Commissioners sitting as the Floodplain Appeals Board.

Section 7.6 Start of Construction

Work on the proposed development shall begin within 180 days after the date of issuance of the Floodplain Permit or the Floodplain Permit shall expire unless a time extension request made in writing to the Floodplain Administrator and filed in the official Floodplain Permit Application File by the County Clerk is granted, in writing, by the Floodplain Administrator after a showing by the applicant of "justifiable delay" not caused by the negligence or lack of due diligence of the applicant. Any extension of the 180 day Start of Construction timeframe shall only be granted if the permit holder can

demonstrate compliance with this Floodplain Ordinance, FIRM and/or FIS in effect at the time the extension is granted. All work on the proposed development must be completed within 12 months of permit issuance, at which time the permit shall expire, unless a time extension made in writing to the Floodplain Administrator and filed in the official Floodplain Permit File by the County Clerk is granted in writing by the Floodplain Administrator. The request for a time extension shall be in writing and shall state the reasons for the extension. When considering an extension, the Floodplain Administrator shall consider the following criteria:

- A. Has the applicant diligently pursued the completion of the proposed development during the 12 months?
- B. Will the granting of the extension be detrimental to public safety, health, or welfare or injurious to other property?
- C. A request for extension shall not be unreasonably withheld or denied.

Section 7.7 Stop Work Orders, Inspections and Revocations

A. Stop-Work Orders

- 1. The Floodplain Administrator shall issue, or cause to be issued, a "Stop Work Order Notice" for any development found ongoing without having obtained a Floodplain Permit. Disregard of a Stop Work Order Notice shall subject the violator to the penalties described in Section 8.4 of this Ordinance.
- 2. The Floodplain Administrator shall issue, or cause to be issued, a "Stop Work Order Notice" for any development found non-compliant with the provisions of this Ordinance and/or the conditions of the Floodplain Permit. Disregard of a Stop Work Order notice shall subject the violator to the penalties described in Section 8.4 of this Ordinance.
- 3. In the event that the Floodplain Administrator issues a Stop Work Order Notice, the Floodplain Permit shall be stayed pending a determination of whether a violation actually occurred and/or abatement of the alleged violation, whichever occurs first.
- 4. In the event an Appeal is filed wherein the Floodplain Permit grant has been ruled by the Floodplain Administrator, the Floodplain Administrator shall immediately issue a Stop Work Order Notice that shall remain in effect until a resolution of said Appeal.

B. Inspections and Revocations

- 1. During the development period, the Floodplain Administrator or other authorized County, State or Federal Government Officials may inspect the premises to determine that the work is progressing in compliance with the information provided on the Floodplain Permit Application, this

Ordinance and with all applicable Federal, State and County laws, Regulations and Ordinances.

2. If the Floodplain Administrator discovers that the work does not comply with the Floodplain Permit Application, this Ordinance or that there has been a false statement(s) or misrepresentation(s) by any applicant in the permitting process, the Floodplain Administrator shall issue a "Stop Work Order Notice", revoke the permit and request a temporary injunction in the Circuit Court of Doddridge County. The Floodplain Administrator shall notify any appropriate agency or authority if the Floodplain Administrator finds a violation of any non-Floodplain Law, Regulation or Ordinance.
3. The Floodplain Administrator or other authorized County, State or Federal Government Officials may inspect any development covered by this or previous Floodplain Ordinances to determine whether any portion of the development has been altered to be non-compliant with the requirements of this or other Ordinances.

Section 7.8 Certificate of Compliance

- A. In the Floodplain Area it shall be unlawful to occupy, or to permit the use of occupancy, of any building or premises, or both, or part thereof hereafter created, erected, installed, changed, converted or wholly or partly altered or enlarged in its use or structure until a Certificate of Compliance has been issued by the Floodplain Administrator stating that the building or land conforms to the requirements of this Ordinance. Occupying or using a building or premises in violation of this section shall subject the violator to the penalties described in Section 8.4 of this Ordinance.
- B. In the Floodplain Area it shall be unlawful to inspect and approve a permanent utility connection to any building or premises, or both, or part thereof hereafter created, erected, installed or rebuilt until the utility inspector is in possession of a copy of the Certificate of Compliance issued by the Floodplain Administrator stating that the particular development being inspected conforms to the requirements of this Ordinance. Inspection and approval of utilities in violation of this section shall subject the violator to the penalties described in Section 8.4 of this Ordinance.
- C. In the Floodplain Area it shall be unlawful to install a permanent utility connection to any building or premises, or both, or part thereof hereafter created, erected, installed or rebuilt until a Certificate of Compliance has been issued by the Floodplain Administrator stating that the development conforms to the requirements of this Ordinance. Installation of utilities in violation of this section shall subject the violator to the penalties described in Section 8.4 of this Ordinance.

- D. A Certificate of Compliance shall be issued by the Floodplain Administrator upon satisfactory completion of all development in the Floodplain Area.
- E. Issuance of the Certificate of Compliance shall be based upon the inspection conducted as prescribed in this Ordinance and any finished construction elevation certificate, hydraulic data, flood proofing certificate, or encroachment analyses which may have been required as a condition of the Floodplain Permit approval process.

Section 7.9 Fees

- A. Application for a Floodplain Permit for any development in Doddridge County shall be accompanied by an Application Fee, payable to the Doddridge County Commission based upon a set schedule approved by the Doddridge County Commission using the actual construction costs amount of the proposed development as determined by the Floodplain Administrator.
- B. In addition, the applicant shall be responsible for payment to the Doddridge County Commission for any expenses and costs for services necessary for review and/or inspection of the permit application and the attachments of the proposed development. Services include, but are not limited to, costs incurred for service of process, publication, certified mail, court reporter and transcript costs, professional engineering and surveying. Costs may include payment for contracted services, including professional assistance including but not limited to engineers, hydrologists, hydraulologists, attorneys, surveyors and alike.
- C. When any work for which a Floodplain Permit is required by this Ordinance is started or proceeded with prior to obtaining a Floodplain Permit; the Permit Application Fee and Deposit for Expenses stated in this Ordinance shall be doubled. Fees and Deposit for Expenses as stated above shall be tripled for every subsequent occurrence by the same Applicant. Payment of the fees, costs and expenses shall not relieve any Applicant from complying fully with the requirements of this Ordinance in the execution of the work or from other penalties prescribed herein.
- D. Except under the circumstances set forth in Article VII, 7.3.D.8, all Permit Application Fees are non-refundable irrespective of whether said Application for Permit is granted or denied.

ARTICLE VIII – APPEALS AND PENALTIES

Section 8.1 Appeals

Whenever a person or entity is aggrieved by a decision of the Floodplain Administrator with respect to the provisions of this Ordinance, it is the right of that person or entity to appeal to the Doddridge County Commission sitting as the Floodplain Appeals Board. Such appeal must be filed with the County Clerk, in writing, within twenty (20) days

after notification of the decision of the Floodplain Administrator as announced at a regularly scheduled Doddridge County Commission Meeting. Said Appeal shall be served by the aggrieved person by regular mail on all interested parties on the date that said Appeal is filed. Upon receipt of such appeal, the Floodplain Appeals Board shall set a time, date and place not less than ten (10) nor more than forty-five (45) calendar days for the purpose of hearing the appeal. Notice of the time, date and place of the hearing shall be given to all interested parties by placing an announcement of said hearing date, time and place on the agenda of the next regularly scheduled Doddridge County Commission meeting notice and to announce the date, time and place of the appeal hearing not sooner than 10 calendar days from said announcement date, at which time all may appear and be heard. The determination by the Floodplain Appeals Board shall be final in all cases, subject to any Appeal to the Circuit Court of Doddridge County, West Virginia or any other Court of competent jurisdiction.

In the event an Appeal is filed wherein a Floodplain Permit grant has been ruled by the Floodplain Administrator, the Floodplain Administrator shall immediately issue a Stop Work Order Notice that shall remain in effect until a resolution of said appeal.

Section 8.2 Nature of Appeal Hearing

- A. Scope of Hearing: The Appeal Hearing shall be a Hearing wherein all evidence shall be taken anew.
 - 1. The Floodplain Appeals Board shall take judicial notice of all documents, writings, reports, drawings, photographs and things properly filed in the official Floodplain Permit Application File.
 - 2. The Floodplain Administrator's written ruling shall be given due deference.
 - 3. The Floodplain Administrator may be called as a witness by any party to the Appeal.
- B. The order of the presentation of evidence, testimony and cross examination of witness(es) is at the sole discretion of the Floodplain Appeals Board.
 - 1. The appealing person or entity shall have the burden of production and proof.
- C. Standard of Proof and Review shall be that for the appealing person or entity to be successful he/it shall prove by a preponderance of the evidence that the Floodplain Administrator's decision to grant or deny the permit was wrong.
- D. A court reporter shall be present to record all testimony and receive all evidence.

1. The court reporter shall transcribe the hearing and attach all evidence and exhibits presented at said hearing and file the original transcript in the Floodplain Permit Application File.
- E. A written decision of the Floodplain Appeals Board shall contain findings of fact and conclusions of law and shall be filed within 15 days of the conclusion of the hearing.
- F. The start of construction timeframe set forth in Article VII 7.6 and the completion timeframe shall be tolled from the date the Appeal is filed until the date the written decision of the Appeals Board is filed.

Section 8.3 Appeal Review Criteria

- A. All appeals contesting only the permit fee, the cumulative substantial damage requirement, the flood protection setback requirement, or the freeboard requirements, may be handled at the discretion of the Floodplain Appeals Board.
- B. All decisions on appeals to all other provisions of this Ordinance shall adhere to the following criteria:
 1. A decision granting or denying the permit shall only be issued by the Floodplain Appeals Board upon (i) a showing of good and sufficient cause, (ii) a determination that failure to grant the permit would result in exceptional hardship to the applicant, and (iii) a determination that granting the permit will not result in increased flood heights to any extent in the Floodway Area, or in all other Zones increase in the Base Flood Elevation of not more than one foot, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public or conflict with existing laws, regulations or ordinances.
 2. An affirmative decision granting a Floodplain Permit shall be issued only upon determination that it is the minimum necessary, considering the Floodplain Area, to afford relief. Financial hardship, as a sole criteria, shall not be considered sufficient justification to grant a Floodplain Permit.
 3. An affirmative decision granting a Floodplain Permit shall be issued for the repair or rehabilitation of historic structures upon a determination that the proposed repair or rehabilitation will not preclude the structure's continued designation as a historic structure and the variance is the minimum necessary to preserve the historic character and design of the structure.
 4. The Floodplain Appeals Board shall notify the applicant in writing and signed by a majority of the Floodplain Appeals Board that (i) the issuance of a decision to allow construction of a structure below the Base Flood

Elevation will result in increased premium rates for flood insurance, and (ii) such construction below the Base Flood Elevation increases risk to life and property. Such notification shall be maintained with a record of all decisions as required in this Ordinance; and

5. The Floodplain Appeals Board shall (i) maintain a record of all decisions including justification for the decisions, and (ii) report such decisions issued in its biannual report to the Federal Emergency Management Agency.
6. An affirmative decision shall not be granted for issuance of a Floodplain Permit for any construction, development use or activity within any Floodway Area that would cause any increase in the Base Flood Elevation.

Section 8.4 Penalties

Any person who fails to comply with any or all of the requirements or provisions of this Ordinance or direction or Order of the Floodplain Administrator, shall be unlawful and shall be referred to the Prosecuting Attorney who shall expeditiously prosecute all such violators. All violations shall be a misdemeanor. A violator shall, upon conviction, pay a fine to the Doddridge County Commission of not less than fifty dollars (\$50.00) or more than five thousand dollars (\$5,000.00) plus cost of prosecution and/or such person shall be incarcerated in the County Jail for a period not to exceed 10 days. Each day during which any violation of this Ordinance continues shall constitute a separate offense. In addition to the above penalties, all other actions are hereby reserved including an action in equity for the proper enforcement of this Ordinance. The imposition of a fine or penalty for any violation of, or non-compliance with, this Ordinance shall not excuse the violation or non-compliance with the Ordinance or permit it to continue; and all such persons shall be required to correct or remedy such violations or non-compliance within a reasonable time. Any structure constructed, reconstructed, enlarged, altered or relocated in non-compliance with this Ordinance may be declared by the Doddridge County Commission to be a public nuisance and abated as such subject to other applicable laws and exhaustion of appellate rights.

ARTICLE IX – GOVERNMENT ACTIONS

Section 9.1 – Municipal Annexation

- A. The Doddridge County Floodplain Ordinance in effect on the date of annexation shall remain in effect and shall be enforced by the Floodplain Administrator for all annexed areas until the municipality adopts and enforces a Floodplain Ordinance which meets the requirements for participation in the National Flood Insurance Program.

- B. Municipalities with existing Floodplain Ordinances shall pass a resolution acknowledging and accepting responsibility for enforcing Floodplain Ordinance Standards prior to annexation of any area containing identified Floodplain Areas.
- C. All plats or maps of annexation shall show the Floodplain boundaries, Base Flood Elevation and location of the Floodway where determined.
- D. In accordance with the Code of Federal Regulations, Title 44 Subpart (B) Section 59.22(a)(9)(v) all Federal Emergency Management Agency participating governments must notify the Federal Insurance Administration in writing whenever the boundaries of the governments have been modified by annexation or the governments has otherwise assumed or no longer has authority to adopt and enforce floodplain management regulations for a particular area. In order that all Flood Insurance Rate Maps accurately represent the government's boundaries, a copy of a map of the government boundaries suitable for reproduction, clearly delineating the new boundaries or new area for which the government has assumed or relinquished floodplain management regulatory authority must be included with the notification.
- E. NFIP participating governments must notify the State Coordinating Office in writing whenever the boundaries of the governments have been modified by annexation or the government has otherwise assumed or no longer has authority to adopt and enforce floodplain management regulations for a particular area. A copy of a map of the government boundaries suitable for reproduction, clearly delineating the new boundaries or new area for which the government has assumed or relinquished floodplain management regulatory authority must be included with the notification.

Section 9.2 – Permits for Governmental Entities

Unless specifically exempted by law, all public utilities and Municipal, County, State and Federal entities are required to comply with this Ordinance and obtain all necessary permits. Any entity claiming to be exempt from the requirements of this Ordinance must provide a written statement setting forth the rationale for exemption and file the same with FEMA. In addition the entity claiming exemption shall provide copies of all relevant legal documentation demonstrating the exemption.

ARTICLE X – SEVERABILITY AND MUNICIPAL LIABILITY

Section 10.1 Severability

If any section, subsection, paragraph, sentence, clause, or phrase of this Ordinance shall be declared invalid for any reason whatever, such decision shall not affect the remaining portions of this Ordinance which shall remain in full force and effect and for this purpose the provisions of this Ordinance are hereby declared to be severable.

Section 10.2 Liability

The granting of a permit or approval of a subdivision, development plan or construction in an identified Floodplain Area, shall not constitute a representation, guarantee, or warranty of any kind by the Doddridge County Commission or Doddridge County or by any official or employee thereof of the practicability or safety of the proposed use, and shall create no liability upon the Doddridge County Commission or Doddridge County. This Ordinance does not create a private cause of action. All applicants proposing construction in or near a Floodplain Area are urged to locate construction as far away from, and as high above, all flooding sources as possible.

ARTICLE XI – ENACTMENT

Passed on First Reading this ___ day of _____, 2013.

Passed on Second and Final Reading this _____ day of _____, 2013

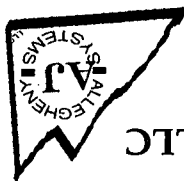
as the Floodplain Ordinance OF THE Doddridge County Commission for the

County Doddridge. All previously enacted Floodplain Ordinances are hereby null and void and vacated as replaced by this Ordinance. This Ordinance is in effect on the date signed by the President of the Doddridge County Commission.

Signed:

President of the Doddridge County Commission

Date Signed: _____



AJ- Allegheny Systems, LLC
1-877-855-5255
www.ajwv.net

Lett 13-002

King - 13-003

Carolyn n Plaugher
13-006

Big Isaac Methodist

13-005

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 Upon
Oath That the Accompanying Legal Notice
Entitled:

Floodplain Permit Application
King

was published in said paper for 2
successive weeks beginning with the issue
of June 11th 2013 and
ending with the issue of

June 18th 2013 and

that said notice contains 168

WORD SPACE at 115 cents a word

amounts to the sum of \$ 19.32

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$ 14.49
and each publication thereafter

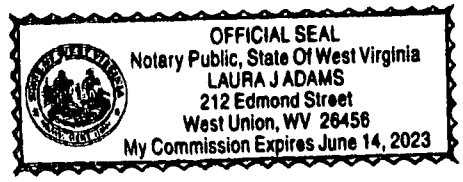
\$ 33.81 TOTAL

EDITOR,
Virginia Nicholson

SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE 18th DAY
OF June 2013

NOTARY PUBLIC
Laura J. Adams

Legal Advertisement
Doddridge County
Floodplain Permit Application
Please take notice that on the 6th day of June 2013,
DAVID AND TAMMY KING filed an application for a
Floodplain Permit to develop land located at or about:
DAVID AND TAMMY KING, 845 BIGGIN RUN, WEST
UNION, WV 26456
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 July 2,
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
6-11-2xb



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 Upon
Oath That the Accompanying Legal Notice
Entitled:

Floodplain... Permit Application
Lett

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

successive weeks beginning with the issue
of June 11th ... 2013 and

ending with the issue of
June 18th ... 2013 and

that said notice contains ... 168 ...

WORD SPACE at ... 115 ... cents a word
amounts to the sum of \$... 19.32 ...

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$... 14.49 ...
and each publication thereafter

\$... 33.81 ... TOTAL

EDITOR

Virginia Nicholson

SWORN TO AND SUBSCRIBED

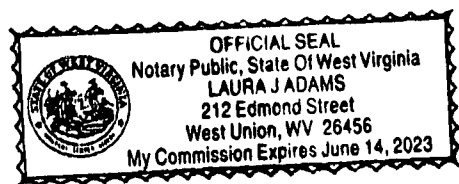
BEFORE ME THIS THE ... 18th ... DAY

OF ... June ... 2013

NOTARY PUBLIC

Laura J Adams

Legal Advertisement
Doddridge County
Floodplain Permit Application
Please take notice that on the 6th day of June 2013,
ANDREW & LORIA LETT filed an application for a
Floodplain Permit to develop land located at or about:
DEED BOOK 297 PAGE 311
MAP 7 PARCEL 3.2
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 July 02,
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
6-11-2xb



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 Upon
Oath That the Accompanying Legal Notice
Entitled:

Floodplain Permit
Application
Antero Resources

was published in said paper for *2*

successive weeks beginning with the issue
of *June 18th* 2013 and
ending with the issue of

June 25th 2013 and
that said notice contains *168*

WORD SPACE at *115* cents a word
amounts to the sum of \$ *19.32*

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$ *14.49*
and each publication thereafter

\$ *33.81* TOTAL

EDITOR

Virginia Nicholson

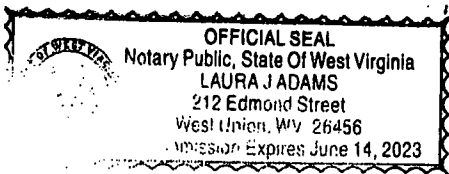
SWORN TO AND SUBSCRIBED

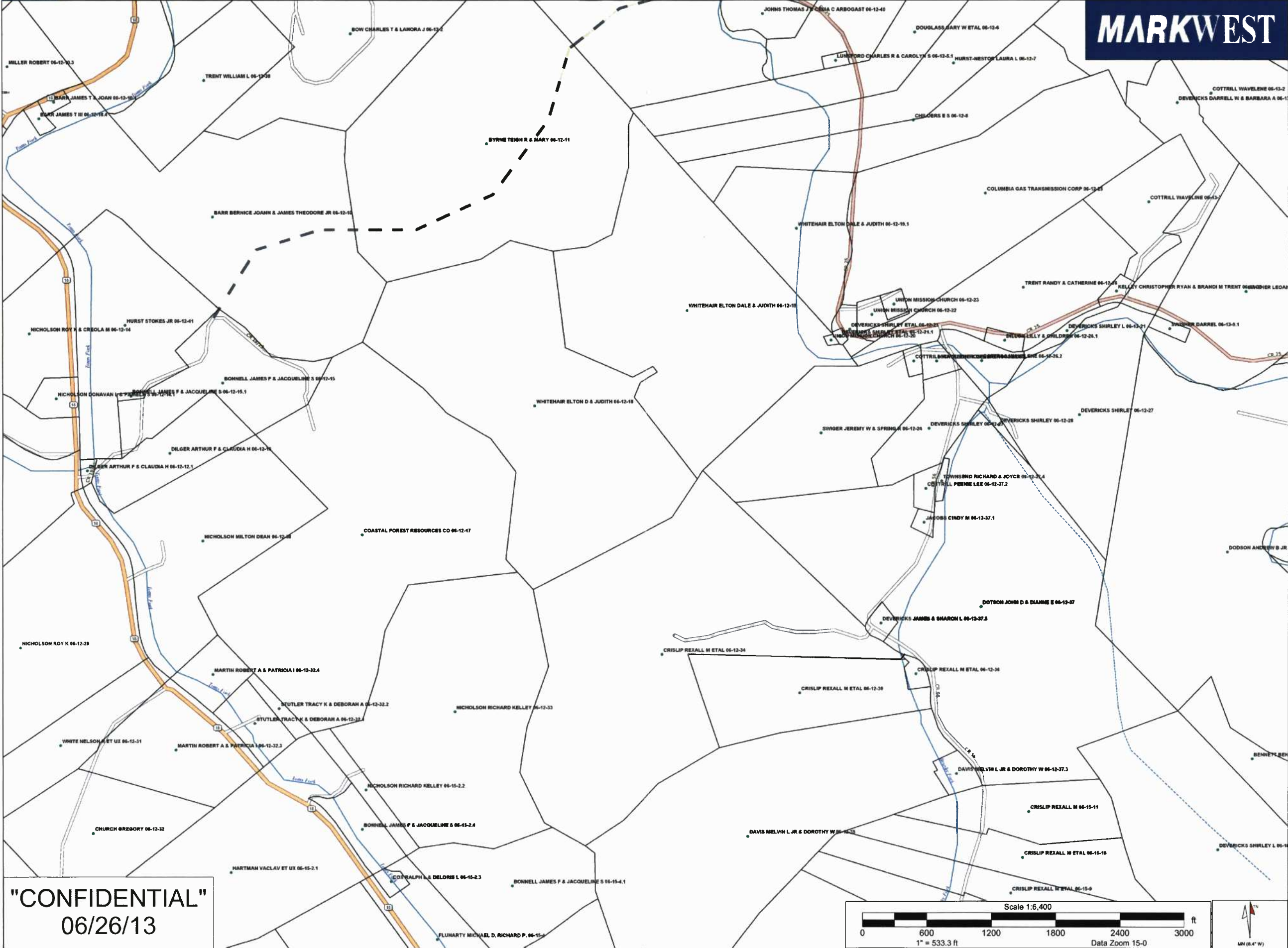
BEFORE ME THIS THE *27* DAY
OF *June* 2013

NOTARY PUBLIC

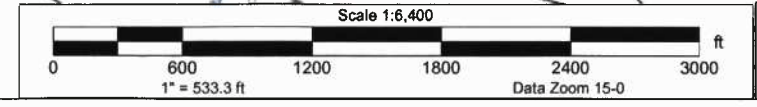
Laura J Adams

Legal Advertisement:
Doddridge County
Floodplain Permit Application
Please take notice that on the 14th day of June 2013,
ANTERO RESOURCES APPALACHIAN filed an
application for a Floodplain Permit to develop land
located at or about: CAROLYN N. PLAUGHER
SURFACE OWNER, 328.92 ACRES BUFFALO CREEK,
TAX MAP 4, PARCEL 6.
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 July 4,
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
6-18-2xb





"CONFIDENTIAL"
06/26/13



MIDPOINT (CRISLIP) COMPRESSOR STATION

NEW MILTON
DODDRIDGE COUNTY, WV

PREPARED FOR:

MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

CALL BEFORE YOU DIG!
WEST VIRGINIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE - STOP CALL
WEST VIRGINIA
1-800-245-4848
POCS Serial No. 1201910533

Midpoint (Crislip) Compressor Station - Preliminary Opinion of Probable Construction Quantities

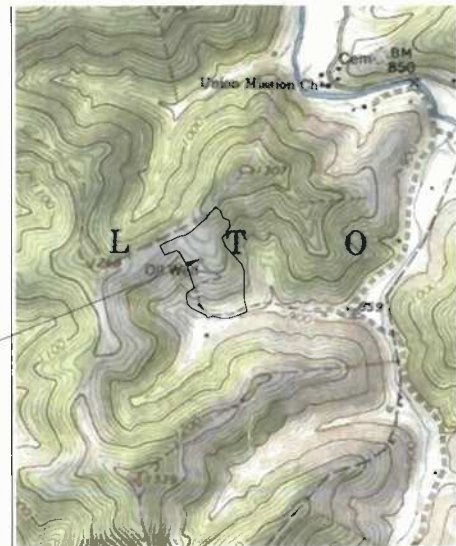
	Units	Estimated Quantity
Cleaning and Grubbing / Protections / Maintenance / Staking		
Cleaning and Grubbing	AC	10.0
Protect Existing Wetlands	LS	1
Protect Existing Pipes	LF	1
Maintain Existing Access Road	LS	1
Maintain All E and SC Measures	LS	1
Stake Property Lines, Limits of Disturbance, Wetlands, etc.	LS	1
Tank Storage		
Tank Storage Pad (+/- 319 SY) (BY OTHERS)	T	158
10 Foot Wall (BY OTHERS)	LF	
8 Foot Wall (BY OTHERS)	LF	
Erosion and Sedimentation Control		
32" Silt Sox	LF	1,350
Rock Construction Entrance	SY	167
Erosion Control Blanket w/ Steep Slope Mix	SY	22,200
Rock Check Dams	EA	6
Vegetated Channels - R3 Rip Rap w/ CL IV Type A Geotextile	LF	1,035
Vegetated Channels - R6 Rip Rap w/ CL IV Type A Geotextile	LF	820
Vegetated Channels - NA Green SC250	LF	985
Rock Filters	EA	7
Temporary Seeding	AC	0.3
Earthwork		
Topsoil Stripped (assuming 9 in. of topsoil)	CY	11,370
Topsoil Stockpiled	CY	3,725
Topsoil replaced on site (2 in.)	CY	1,300
Topsoil haul away	CY	6,345
Total Cut (w/o Topsoil)	CY	49,850
Keyway/Bench with Drainage	LF	
Import Fill (Allowance)	CY	
Import Topsoil (Allowance)	CY	
Pad Access Road		
Aggregate Road Surfacing (+/- 1175 LF / +/- 2785 SY)	T	1,380
Shoulder Construction / Slope Stabilization	SY	1,044
Remove 18" Steel Pipe	LS	1
18" CL V RCP	LF	55
12" CL V RCP	LF	210
12" SFCPP	LF	400
18" Headwall / Endwall	EA	2
12" Headwall / Endwall	EA	3
Compressor Station Surface		
4" Compressor Station Stone Surface(+/-19,700 SY) SITE BID	T	3,000
12" Compressor Station Stone Surface(+/-14,000 SY) BUILDING BID	T	6,930
12" Solid CPP Roof Drain	LF	485
8" Perforated SDR 35 Underdrain	LF	475
8" High Chain Link Fence With Barbed Wire (BY OTHERS)	LF	2,100
16" Wide Chain Link Gate (BY OTHERS)	EA	1
Sediment Basin		
Anti-Seep Collar	EA	2
Basin Emergency Spillway	EA	1
Forebay Spillway	EA	1
15" HDPE (Watertight Joints)	LF	117
15" HDPE Endwall	EA	1
Outfall #1	SY	28
Outfall Structure w/ Trash Rack and Anti-Vortex Plate	EA	1
15" HDPE Temporary Stub	LF	2
Temporary Riser (18") w/ Trash Rack and Anti-Vortex Device	EA	1
Devaluating Device (Including Aggregate and PVC Pipe/Fittings)	EA	1
Clay Core	LS	1
Cleanout Marker	EA	1
Convert Sediment Basin To Permanent Basin	LS	1
Sediment Basin Access Road Surfacing (+/- 205 LF / +/- 285 SY)	T	142
8" High Chain Link Fence With No Barbed Wire	LF	825
16" Wide Chain Link Gate	EA	1

Note: Pad / Basin Aggregate Road Surfacing, Tank Storage Pad and Compressor Station Stone Surface To Be 10" AASHTO #1 With 2" AASHTO #57 Choke

Note: Stone tonnage based on 1.35 Ton / Cubic Yard with 10% waste factor.

Note: Estimates are merely opinions based on past experience and are not projections of current market conditions.

Note: LISTED QUANTITIES ARE PRELIMINARY AND MAY VARY FROM FINAL PLAN.



SITE LOCATION MAP
1"=100'

SITE LOCATION

DWG No.	SHEET TITLE	INCLUDED
C000	COVER AND INDEX SHEET	<input checked="" type="checkbox"/>
C051	EXISTING CONDITIONS	<input checked="" type="checkbox"/>
C052	EXISTING CONDITIONS	<input checked="" type="checkbox"/>
C131	OVERALL EROSION AND SEDIMENTATION CONTROL PLAN	<input checked="" type="checkbox"/>
C132	ENLARGED EROSION AND SEDIMENTATION CONTROL PLAN	<input checked="" type="checkbox"/>
C133	EROSION AND SEDIMENTATION CONTROL DETAILS	<input checked="" type="checkbox"/>
C134	EROSION AND SEDIMENTATION CONTROL DETAILS	<input checked="" type="checkbox"/>
C135	EROSION AND SEDIMENTATION CONTROL DETAILS	<input checked="" type="checkbox"/>
C136	EROSION AND SEDIMENTATION CONTROL DETAILS	<input checked="" type="checkbox"/>
C141	POST CONSTRUCTION STORMWATER PLAN	<input checked="" type="checkbox"/>

LEGEND	EXISTING	PROPOSED
TC - TOP OF CURB	C - CABLE TV	SHRUB
G - GUTTER	CONTOUR (MAJOR)	CLEANOUT
TW - TOP OF WALL	CONTOUR (MINOR)	ENDWALL
BW - BOTTOM OF WALL	D - DATA LINE	FIRE HYDRANT
TS - TOP OF SLOPE	E - ELECTRIC LINE	GAS VALVE
BS - BOTTOM OF SLOPE	ETC - ELEC-TEL-COM	INLET
SAN - SANITARY	x - FENCE LINE	IRON PIN
ST - STORM	fm - FORCE MAIN	LIGHT
MH - MANHOLE	G - GAS LINE	MANHOLE
TOP - TOP OF CASTING	LOT LINE	MARKER
FL - FLOW LINE	OH - OVER-HEAD WIRES	METER
WV - WATER VALVE	PROPERTY LINE	POLE
GV - GAS VALVE	RIGHT-OF-WAY	SIGN
FH - FIRE HYDRANT	ROAD CENTERLINE	TESTHOLE
CO - CLEAN OUT	SEWER	TREE
STD - STANDARD	T - TELEPHONE LINE	VENT
PM - PARKING METER	TREE LINE	WATER VALVE
MB - MAILBOX	W - WATER LINE	YARD DRAIN
DS - DOOR SILL		
		BLDG SETBACK LINE
		CABLE TV
		CONTOURS (MAJOR)
		CONTOURS (MINOR)
		DATA LINE
		EASEMENT
		ELECTRIC LINE
		ELEC-TEL-COM
		FENCE LINE
		FORCE MAIN
		GAS LINE
		OVER-HEAD WIRES
		PROPERTY LINE
		RIGHT-OF-WAY
		ROAD CENTERLINE
		SANITARY LINE
		SANITARY LATERAL
		SPOT ELEVATIONS
		STORM SEWER
		TELEPHONE LINE
		TREE LINE
		WATER LINE
		WATER LINE LATERAL

RECEIVING STREAMS: UNNAMED TRIBUTARY TO BRUSHY CREEK
DISTANCE TO NEAREST USGS BLUE LINE STREAM: +/-1,500 FEET
NO ANTICIPATED WETLANDS IMPACTS
PROPOSED ACCESS @ COUNTY ROUTE 56
NAD (83) N 39° 12' 03.778"
W 80° 40' 37.949"

GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
Buckler, PA (724) 267-1055
Washington, PA (724) 230-3362
http://www.gatewayengineers.com

No.	Date	REVISION RECORD
01	02/16/2012	FINAL BID DOCUMENTS
02		
03		
04		
05		
06		
07		
08		

MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

COVER AND INDEX SHEET
Project Number: 18047-0006
Drawing Scale: 1"=1000
Date Issued: 2012-02-09
Index Number: -
Drawn By: AAF
Checked By: MEB
Project Manager: MEB
C000

Path & Filename: G:\Projects\18047-0006\18047-MarkWest-Liberty-Midstream-Compressor-Station-Cover-And-Index-Sheet.dwg
Plot Date: 2/16/2012 11:14 AM
Plot User: AAF

MATCHLINE SHEET 1
MATCHLINE SHEET 2

MATCHLINE SHEET 1
MATCHLINE SHEET 2

NOW OR FORMERLY
GARY D. CRISLIP, REXALL M. CRISLIP,
DOROTHY DAVIS AND NAOMI WILLIAMS
FOURTH TRACT
FIRST DESCRIBED



Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
Biller, PA (724) 287-1065
Washington, PA (724) 225-3382
http://www.gatewayengineers.com
Copyright © 2005 Gateway Engineers, Inc. All Rights Reserved

REVISION RECORD

No.	Date
01	
02	
03	
04	
05	
06	
07	
08	

CRISLIP COMPRESSOR STATION
NEW MILTON TOWNSHIP
DODDRIDGE COUNTY, WV

PREPARED FOR:
MARKWEST LIBERT MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

EXISTING
CONDITIONS

Project Number: C-18047-0009
Drawing Scale: 1"=50'
Date Issued: JAN 20, 2012
Index Number: 402,185
Drawn By: KCW
Checked By: GGP
Project Manager: MEB

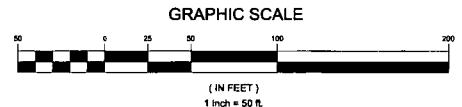
C052



PROPERTY INFORMATION
PROPERTY OWNERS: GARY D. CRISLIP, REXALL M. CRISLIP,
DOROTHY DAVIS AND NAOMI WILLIAMS

EXISTING CONDITIONS NOTES

1. A SYMBOLS LEGEND IS PROVIDED ON THE COVER SHEET.
2. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR. HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
3. PROJECT IS LOCATED ON THE NAD 83 DATUM.
4. ALL PROPERTY CORNERS, MONUMENTS, AND BENCHMARKS SHALL BE PROTECTED. IF DISTURBED, THESE ITEMS SHALL BE RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.











Path & Plots: C:\Projects\180001\18001\18001.dwg; MarkWest\0009 Crisp; C:\Drawings\Sheet\001 EXISTING CONDITIONS.dwg
 Plot Date: 1/20/12 11:08 AM; V.C.C. Inside

THIS PLAN IS FOR EROSION AND SEDIMENTATION CONTROL PURPOSES ONLY



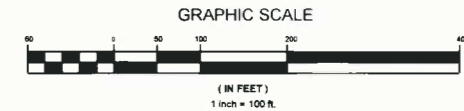
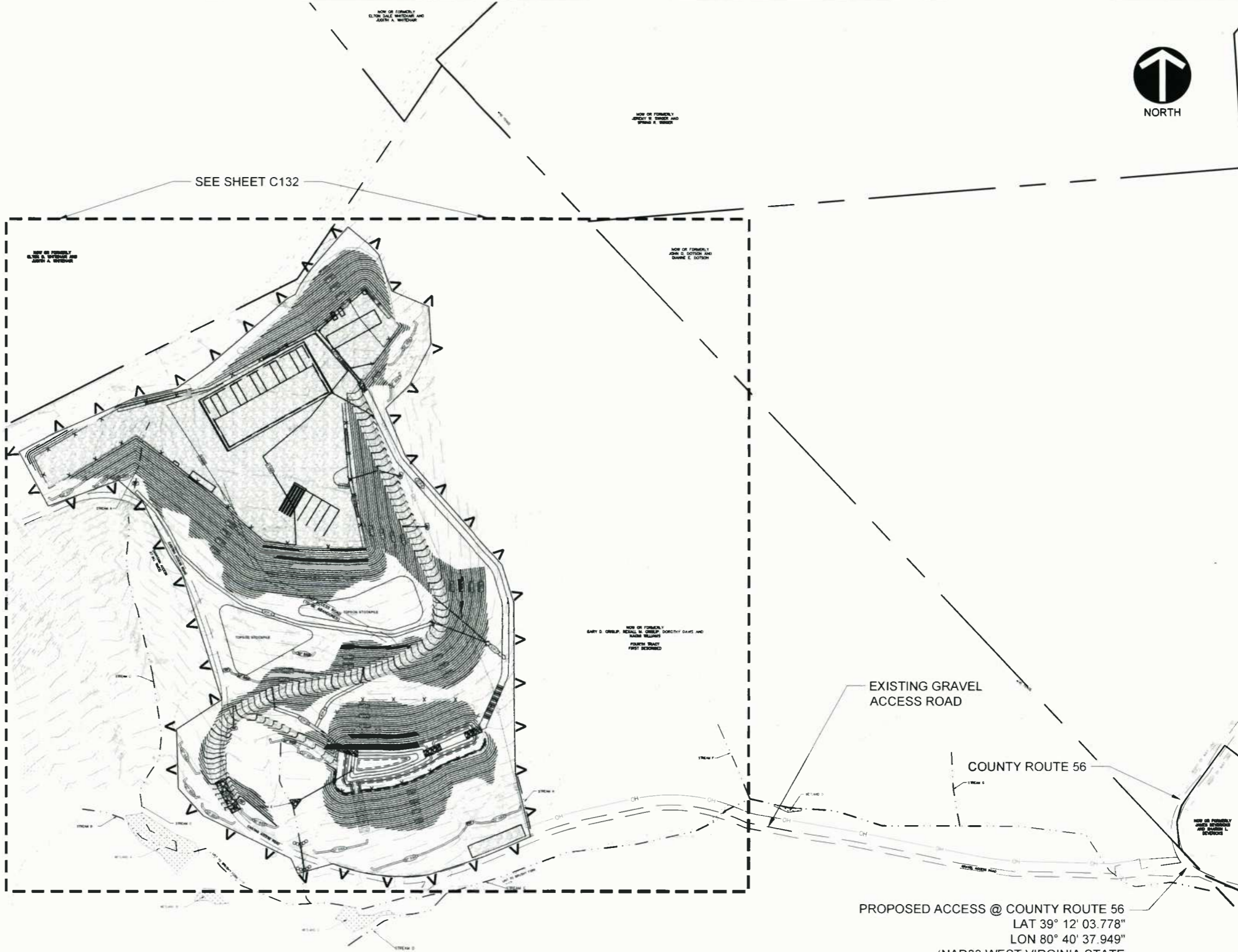
SITE LOCATION MAP
1"=1000'
USGS: NEW MILTON QUAD

PROJECT AREA = 15.8+/- ACRES
DISTURBED AREA = 15.8+/- ACRES

-  COMPOST FILTER SOCK
DETAIL 01 SHEET C134
-  LIMITS OF DISTURBANCE
-  ROCK FILTER
DETAIL 07 SHEET C133
-  ROCK CONSTRUCTION ENTRANCE
DETAIL 10 SHEET C133
-  TEMPORARY CHANNEL/
PERMANENT CHANNEL/
DIVERSION CHANNEL
DETAIL 03 SHEET 134
-  EROSION CONTROL BLANKET/
STEEP SLOPE SEED MIXTURE
DETAIL 09 SHEET C133
-  AGGREGATE PAD / DRIVEWAY
-  RIP-RAP APRON
DETAIL 11 SHEET 133

NOTES:

- 1.) THE CONTRACTOR SHALL BE AWARE THAT THE GAS SERVICE LINES HAVE NOT BEEN SHOWN, HOWEVER, THE CONTRACTOR MUST MAKE PROVISIONS FOR CONNECTION TO THE COMPRESSOR STATION SITE IN ACCORDANCE WITH THE OWNERS REQUESTS
- 2.) ALL EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF GATEWAY ENGINEERS, INC. GEOTECHNICAL REPORT AND UNDER THE SUPERVISION OF OWNER'S REPRESENTATIVE
- 3.) ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE WW LAND AND STREAM AND US ARMY CORPS NATIONWIDE PERMITS
- 4.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PROPERTY LINES AND LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION FOR REVIEW BY ALL PARTIES.
- 5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING ALL UTILITY SERVICE LINES AS NECESSARY TO SERVICE THE SITE
- 6.) THE CONTRACTOR WILL NOT BE PERMITTED TO ENTER EXISTING UTILITY RIGHT OF WAYS WITHOUT PERMISSION/SUPERVISION OF UTILITY OWNING EASEMENT/ RIGHT OF WAY.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RIGHT OF WAY, ENVIRONMENTAL FEATURES, AND SITE ARE STAKED PRIOR TO THE START OF CONSTRUCTION TO ENSURE THAT THE EAS CONTROLS ARE INSTALLED AS SHOWN
- 8.) THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR, HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND/OR SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
- 9.) ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
- 10.) THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER
- 11.) A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS
- 12.) THE LOCATION OF SOME EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION OR USE OF ALTERNATE EROSION CONTROL METHODS TO THE APPROVED PLANS SHALL BE REPORTED TO THE OWNER IMMEDIATELY
- 13.) IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.
- 14.) PROPOSED ACCESS @ COUNTY ROUTE 56
NAD (83) N 39° 12' 03.778"
W 80° 40' 37.949"
- 15.) UNDERDRAIN SHALL BE 12" PERFORATED POLYETHYLENE PIPE, SMOOTH BORE. PROVIDE POSITIVE DRAINAGE TO OUTFALL.
- 16.) ROOFDRAIN SHALL BE 12" SOLID CORRUGATED POLYETHYLENE PIPE, SMOOTH BORE @ 1.5% MINIMUM SLOPE.
- 17.) EROSION CONTROL BLANKET FOR SLOPE APPLICATIONS SHALL BE NA GREEN S150 OR APPROVED EQUAL.



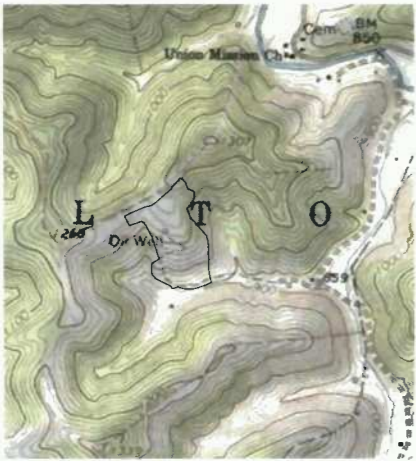
GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
• Butler, PA (724) 287-1055 • Washington, PA (724) 229-3362
http://www.gatewayengineers.com

REVISION RECORD	
No.	Date
01	02/16/2012
02	
03	
04	
05	
06	
07	
08	

MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317






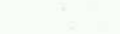


OVERALL EROSION AND SEDIMENTATION CONTROL PLAN
Project Number: 18047-0009
Drawing Scale: 1"=100'
Date Issued: 2012-02-09
Index Number: -
Drawn By: AAF
Checked By: MEB
Project Manager: MEB

THIS PLAN IS FOR EROSION AND SEDIMENTATION CONTROL PURPOSES ONLY



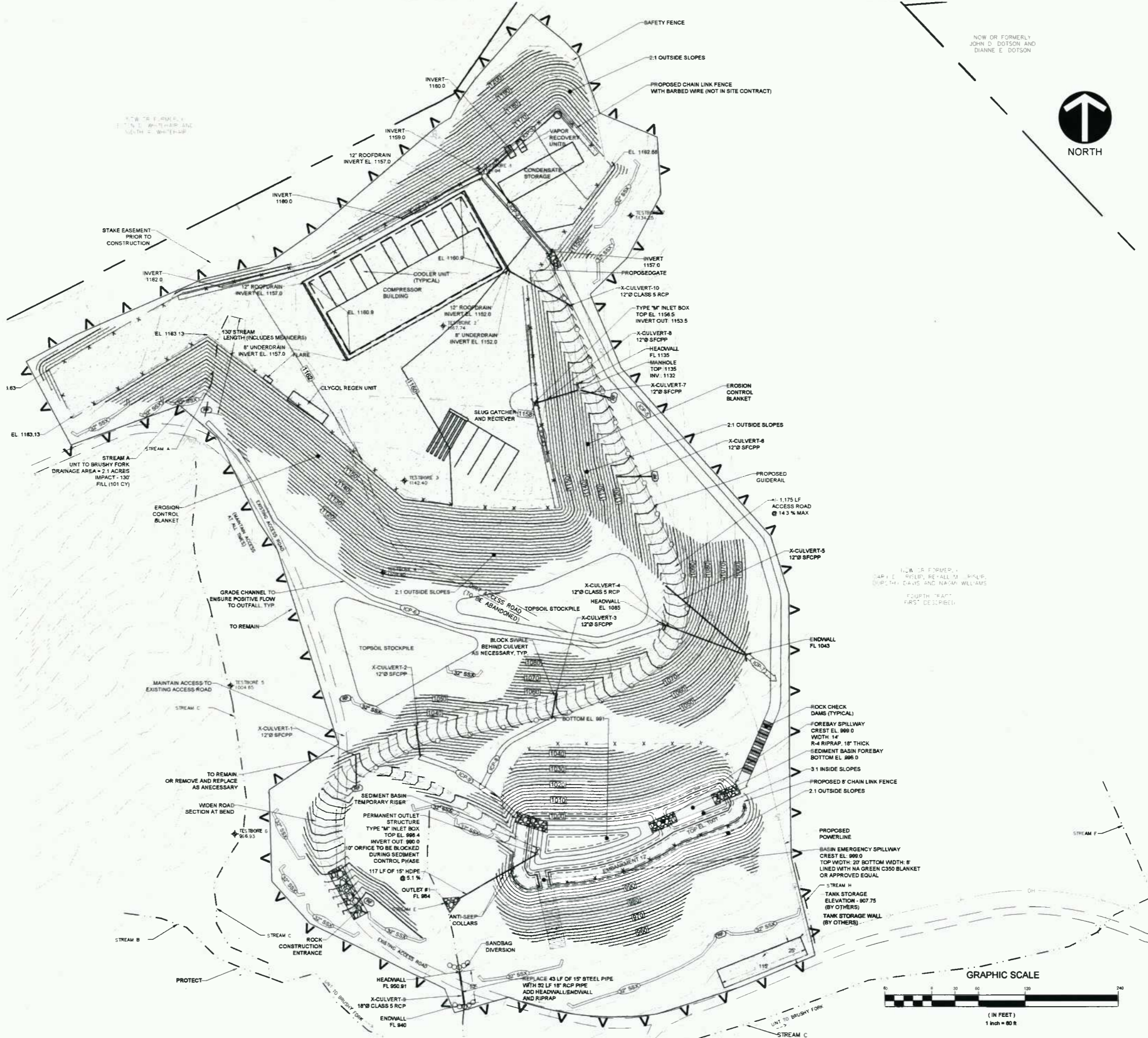
SITE LOCATION MAP
1"=1000'
USGS: NEW MILTON QUAD

PROJECT AREA = 15.8+/- ACRES
DISTURBED AREA = 15.8+/- ACRES

-  COMPOST FILTER SOCK
DETAIL 01 SHEET C134
-  LIMITS OF DISTURBANCE
-  ROCK FILTER
DETAIL 07 SHEET C133
-  ROCK CONSTRUCTION ENTRANCE
DETAIL 10 SHEET C133
-  TEMPORARY CHANNEL /
PERMANENT CHANNEL /
DIVERSION CHANNEL
DETAIL 03 SHEET C134
-  EROSION CONTROL BLANKET/
STEEP SLOPE SEED MIXTURE
DETAIL 09 SHEET C133
-  AGGREGATE PAD / DRIVEWAY
-  RIP-RAP APRON
DETAIL 11 SHEET C133

NOTES:

- 1.) THE CONTRACTOR SHALL BE AWARE THAT THE GAS SERVICE LINES HAVE NOT BEEN SHOWN; HOWEVER, THE CONTRACTOR MUST MAKE PROVISIONS FOR CONNECTION TO THE COMPRESSOR STATION SITE IN ACCORDANCE WITH THE OWNERS REQUESTS.
- 2.) ALL EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF GATEWAY ENGINEERS, INC. GEOTECHNICAL REPORT AND UNDER THE SUPERVISION OF OWNER'S REPRESENTATIVE.
- 3.) ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE WW LAND AND STREAM AND US ARMY CORPS NATIONWIDE PERMITS.
- 4.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PROPERTY LINES AND LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION FOR REVIEW BY ALL PARTIES.
- 5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING ALL UTILITY SERVICE LINES AS NECESSARY TO SERVICE THE SITE.
- 6.) THE CONTRACTOR WILL NOT BE PERMITTED TO ENTER EXISTING UTILITY RIGHT OF WAYS WITHOUT PERMISSION/SUPERVISION OF UTILITY OWNING EASEMENT/ RIGHT OF WAY.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RIGHT OF WAY, ENVIRONMENTAL FEATURES, AND SITE ARE STAKED PRIOR TO THE START OF CONSTRUCTION TO ENSURE THAT THE EAS CONTROLS ARE INSTALLED AS SHOWN.
- 8.) THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR; HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND/OR SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
- 9.) ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
- 10.) THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
- 11.) A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
- 12.) THE LOCATION OF SOME EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION OR USE OF ALTERNATE EROSION CONTROL METHODS TO THE APPROVED PLANS SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- 13.) IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.
- 14.) PROPOSED ACCESS @ COUNTY ROUTE 56
NAD (83) N 39° 12' 03.778"
W 80° 40' 37.948"
- 15.) UNDERDRAIN SHALL BE 12" PERFORATED POLYETHYLENE PIPE, SMOOTH BORE. PROVIDE POSITIVE DRAINAGE TO OUTFALL.
- 16.) ROOFDRAIN SHALL BE 12" SOLID CORRUGATED POLYETHYLENE PIPE, SMOOTH BORE @ 1.5% MINIMUM SLOPE.
- 17.) EROSION CONTROL BLANKET FOR SLOPE APPLICATIONS SHALL BE NA GREEN S150 OR APPROVED EQUAL.



NOW OR FORMERLY
JOHN D. DOTSON AND
DIANNE E. DOTSON



NOW OR FORMERLY
DARRELL W. WELLS, RECALL N. BRIDLE
DWP, 1414 DAVIS AND NAOMI WILLIAMS
FOURTH TRACT
FIRST DESCRIBED

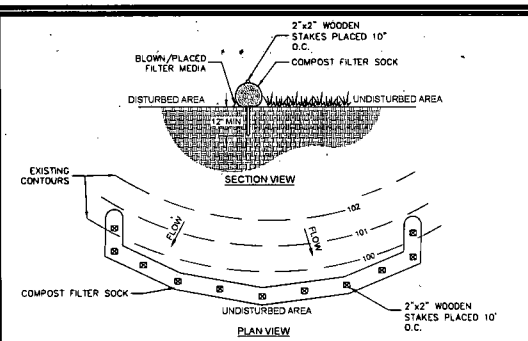


GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
- Butler, PA (724) 267-1055
- Washington, PA (724) 229-3362
http://www.gatewayengineers.com

REVISION RECORD	
No.	FINAL BID DOCUMENTS
01	01
02	02
03	03
04	04
05	05
06	06
07	07
08	08

MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

ENLARGED EROSION AND SEDIMENTATION CONTROL PLAN
Project Number: 19047-0009
Drawing Scale: 1"=80'
Date Issued: 2012-02-09
Index Number:
Drawn By: AAF
Checked By: MEB
Project Manager: MEB
C132



NOTES:

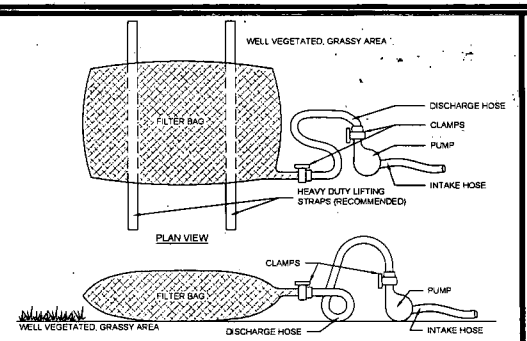
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8' UP SLOPE AT 45° TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE #2. SEE TABLE BELOW.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS. PHOTOGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
- SILT SOCK FABRIC MATERIAL SHALL BE MULTI-FILAMENT POLYPROPYLENE (MFPF), MINIMUM FUNCTIONAL LONGEVITY 1 YEAR.
- COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC CARBON	FIBROUS AND SOLIDIFIED
PH	5.5 - 6.5
MOISTURE CONTENT	50% - 75%
PARTICLE SIZE	80% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5 G/GS MAXIMUM

9. SLOPE LENGTH TABLE FROM FIGURE #2 PADEP BMP MANUAL:

SILT SOCK DIAMETER	3:1 SLOPE	2:1 SLOPE
12"	12'	20'
18"	18'	30'
24"	24'	40'
30"	30'	50'

01 STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK
C134



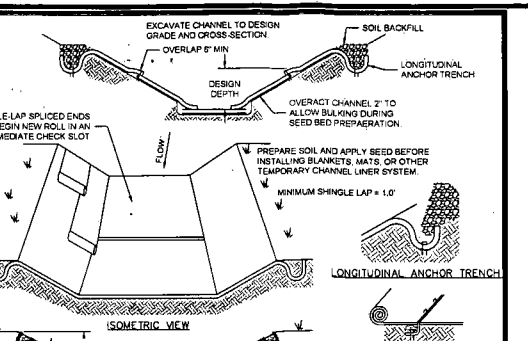
NOTES:

- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NONWOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH DOUBLE STITCHED "I" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 160 MICRONS. HIGH VOLUME FILTER BAGS MAY BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. VEIL WIDTH	ASTM D-4858	60 MIL
GRAB TENSILE	ASTM D-4833	200 LB
PUNCTURE	ASTM D-4833	110 LB
MULLER BURST	ASTM D-5338	300 PSI
UV RESISTANCE	ASTM D-4355	70%
ROCK RETENTION	ASTM D-4731	80% MIN

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY HAVE BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRAPS TO FACILITATE REMOVAL.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE EROSION RESISTANT AREAS WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- NO DOWN SLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHOULD BE INSTALLED BELOW BAGS LOCATED WITHIN 50' OF RECEIVING STREAM OR WHERE GRASSY AREA IS NOT AVAILABLE. A COMPOST BERM OR COMPOST FILTER SOCK SHALL BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP REPAIRS SHOULD BE FLAGGED AND REPAIRED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

02 STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG
C134



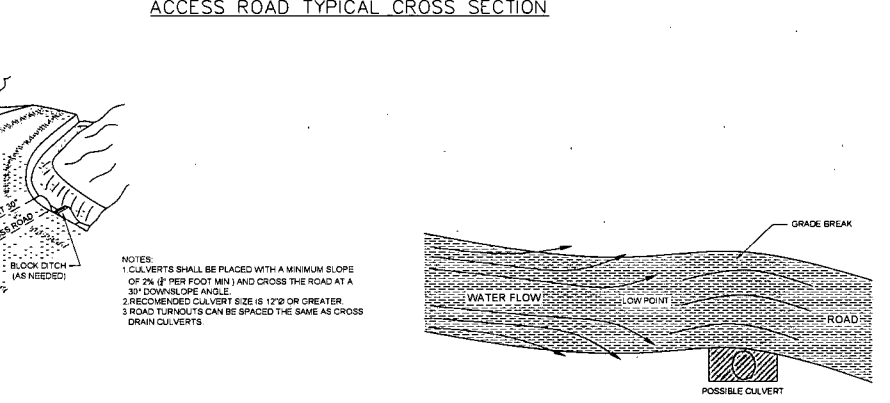
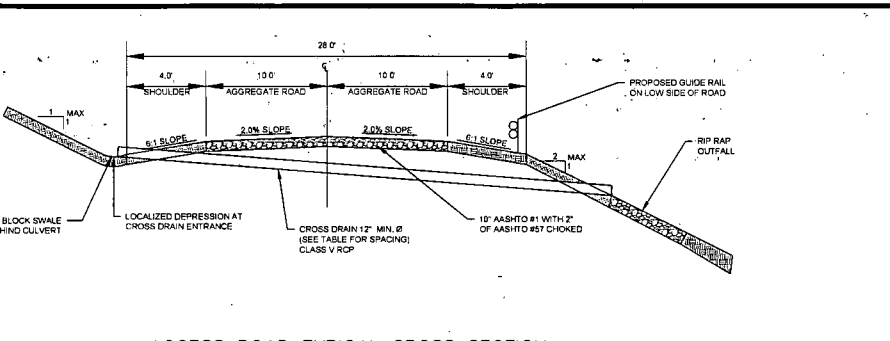
CHANNEL CROSS - SECTION

CHANNEL NO.	LENGTH (FT)	BOTTOM WIDTH (FT)	DEPTH (FT)	TOP WIDTH (FT)	Z1 (FT)	Z2 (FT)	LINING
ICP-1	428	2	1.0	6	2	2	R-3 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-2	137	2	1.0	6	2	2	R-3 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-3	192	2	1.0	6	2	2	R-3 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-4	270	2	1.0	6	2	2	R-3 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-5	775	5	2.0	13	2	2	R-4 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-6	708	2	1.0	6	2	2	SC250
ICP-7	45	2	1.0	6	2	2	R-3 RIPRAP W/ CLASS IV TYPE A GEOTEXTILE
ICP-8	127	2	1.0	6	2	2	SC250
ICP-9	144	2	1.0	6	2	2	SC250

NOTE:

- SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS AND VEGETATIVE STABILIZATION SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MIXTURES, AND MULCHING INFORMATION.
- ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.
- CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY.
- DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.
- RIPRAP LINING SHALL BE INSTALLED AT A THICKNESS OF 1.5 TIMES THE MAXIMUM STONE SIZE.

03 STANDARD CONSTRUCTION DETAIL #6-1 VEGETATED CHANNEL
C134



CROSS DRAIN CULVERT DETAIL

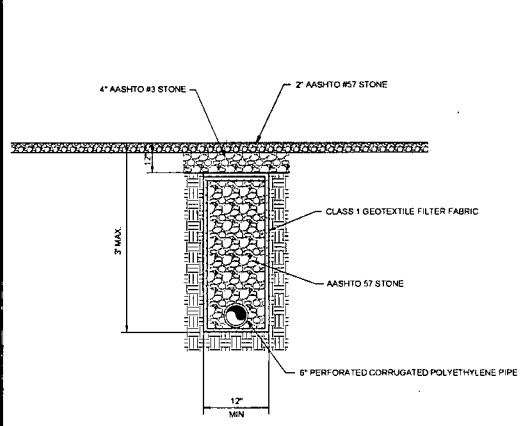
ROAD GRADE (% SLOPE)	RECOMMENDED SPACING (FT)
2	500
3	400
4	350
5-6	300
7-8	250
9-11	200
12-13	150
14+	100

HEIGHT OF GRADE BREAK EXAGGERATED FOR ILLUSTRATIVE PURPOSES

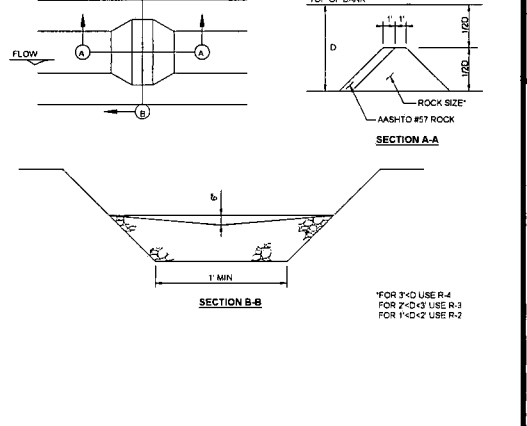
NOTES:

- CULVERTS SHALL BE PLACED WITH A MINIMUM SLOPE OF 2% (PER FOOT MIN) AND CROSS THE ROAD AT A 30° DOWN SLOPE ANGLE.
- RECOMMENDED CULVERT SIZE IS 12" OR GREATER.
- ROAD TURNOUTS CAN BE SPACED THE SAME AS CROSS DRAIN CULVERTS.

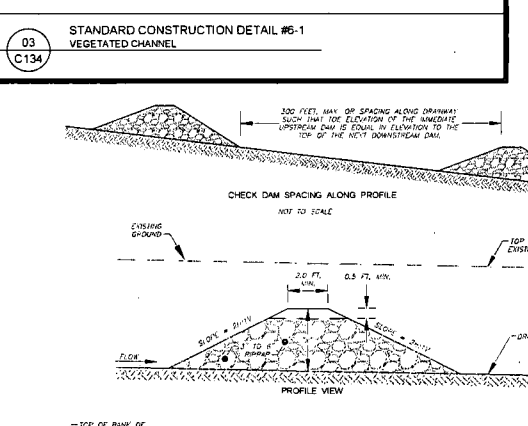
ACCESS ROAD TYPICAL CROSS SECTION



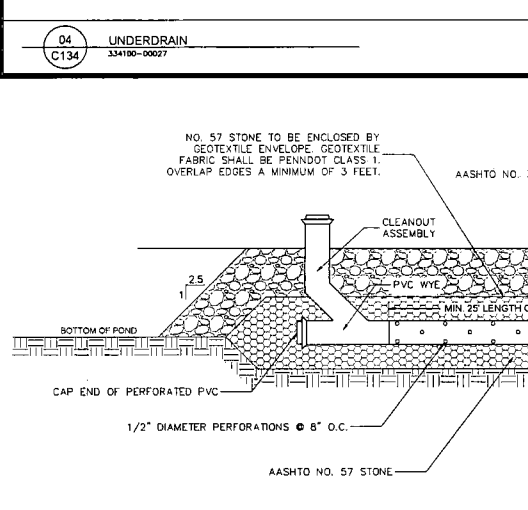
04 UNDERDRAIN
334100-0007
C134



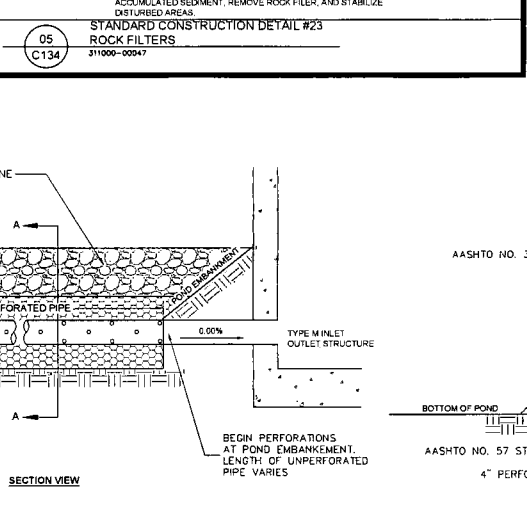
05 STANDARD CONSTRUCTION DETAIL #23 ROCK FILTERS
311000-0047
C134



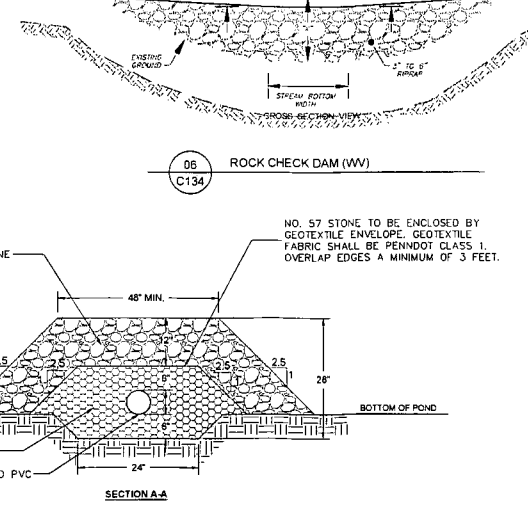
06 ROCK CHECK DAM (WW)
C134



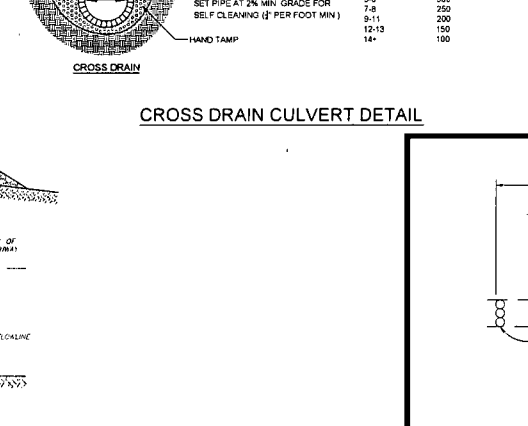
08 DETENTION BASIN DEWATERING DEVICE
334100-0007
C134



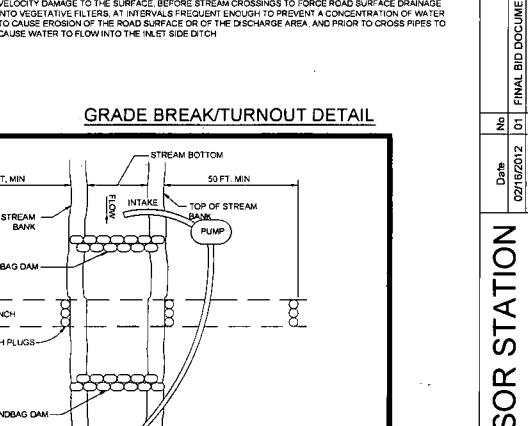
07 FIGURE #30 TYPICAL STREAM CROSSING WITH PUMPED BYPASS
311000-0009
C134



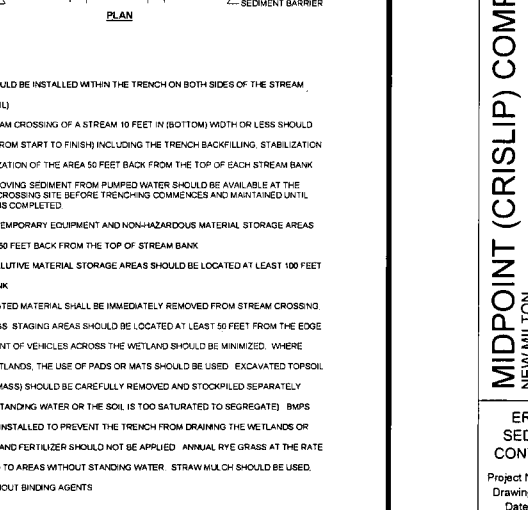
08 DETENTION BASIN DEWATERING DEVICE
334100-0007
C134



07 FIGURE #30 TYPICAL STREAM CROSSING WITH PUMPED BYPASS
311000-0009
C134



07 FIGURE #30 TYPICAL STREAM CROSSING WITH PUMPED BYPASS
311000-0009
C134



07 FIGURE #30 TYPICAL STREAM CROSSING WITH PUMPED BYPASS
311000-0009
C134

GATEWAY
On Call On Time On Target
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9860
• Butler, PA (724) 287-1095 • Washington, PA (724) 229-3362
http://www.gatewayengineers.com

REVISION RECORD

No.	Date	Description
01	01/02/2012	FINAL BID DOCUMENTS
02		
03		
04		
05		
06		
07		
08		

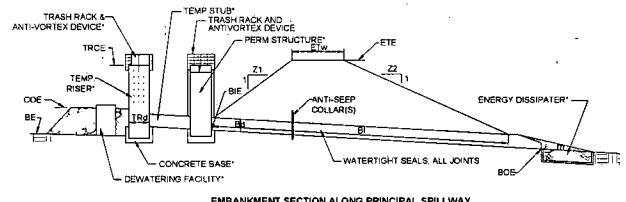
MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIDGE COUNTY, WV

MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

EROSION AND SEDIMENTATION CONTROL DETAILS

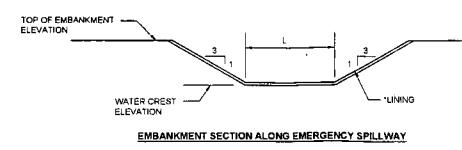
Project Number: 18047-0009
Drawing Scale: Viewport/Scale
Date Issued: 2012-02-09
Index Number: NTS
Drawn By: AAF
Checked By: MEB
Project Manager: MEB

C134



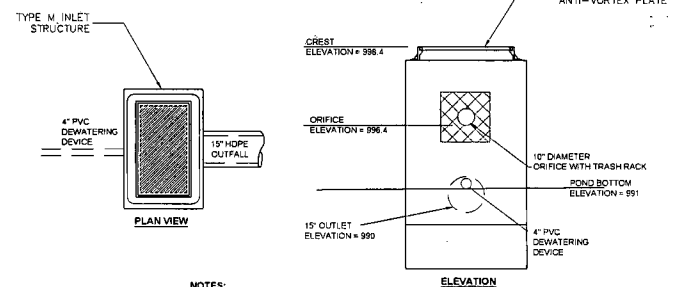
BASIN NO	TEMPORARY RISER		BARREL		EMBRANKMENT		CLEAN OUT ELEV (FT)	BOTTOM ELEV (FT)				
	Z1 (FT)	Z2 (FT)	DIAM (IN)	LENGTH (FT)	TOP ELEV (FT)	TOP WIDTH (FT)						
1	3	2	18	99.4	CMP	15	99.0	117	98.4	120	99.4	99.1

- NOTES:**
- SEE SEDIMENT BASIN, TEMPORARY RISER & PERMANENT STRUCTURE, EMERGENCY SPILLWAY, TRASH RACK & ANTI-VORTEX DEVICE, ENERGY DISSIPATER, AND SEDIMENT STORAGE DEWATERING FACILITY DETAILS.
 - A CLEANOUT STAKE SHALL BE PLACED NEAR THE CENTER OF EACH BASIN. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEAN OUT LEVEL MARKED ON THE STAKE.
 - THE PERMANENT RISER STRUCTURE IS TO BE A TYPE M INLET BOX.



- NOTE:**
- LINING OF EMERGENCY SPILLWAY TO BE EROSION CONTROL BLANKET C350 AS MANUFACTURED BY NORTH AMERICAN GREEN, OR APPROVED EQUAL.

POND #1	CREST EL.	LENGTH (L)
	99.9	8

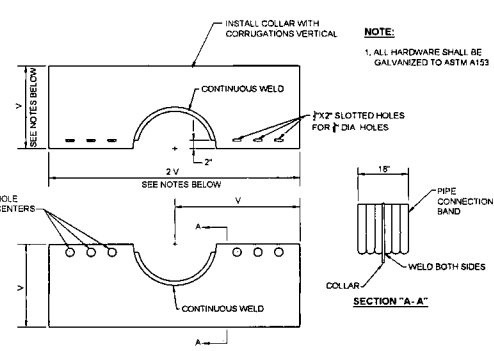


- NOTES:**
- OUTLET PIPE, ORIFICES AND SLOT TO BE SIZED AND ARRANGED ACCORDING TO THE STORM WATER MANAGEMENT REPORT.
 - CONSTRUCT INLET IN ACCORDANCE WITH THESE SPECIFICATIONS AND PERM D-1, PUBLICATION #88, SECTION 606 FOR "CAST IN PLACE UNIT" AND SECTION 713.2 FOR "PRECAST CONCRETE UNITS".
 - INLET FRAMES AND GRATES TO BE EITHER GRAY, MALLEABLE OR DUCTILE IRON.
 - MANHOLE STEPS REQUIRED IN ALL STRUCTURES OVER 5' DEEP.
 - THE BOTTOM OF THE DETENTION POND SHALL HAVE POSITIVE SLOPE TO THE OUTLET TO PROVIDE COMPLETE DRAINAGE OF THE BASIN.

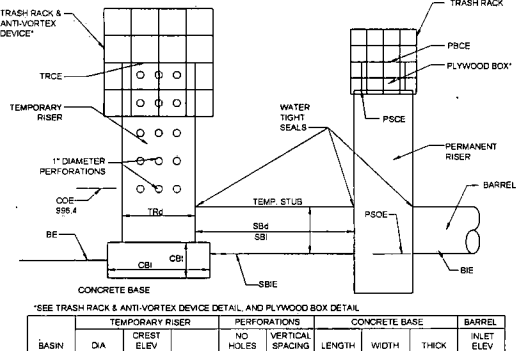
01 STANDARD CONSTRUCTION DETAIL #5 SEDIMENT BASINS WITH PERMANENT STORM WATER STRUCTURES
311000-00023

02 SPILLWAY
31000-00029

03 DETENTION BASIN OUTLET STRUCTURE
334100-00021



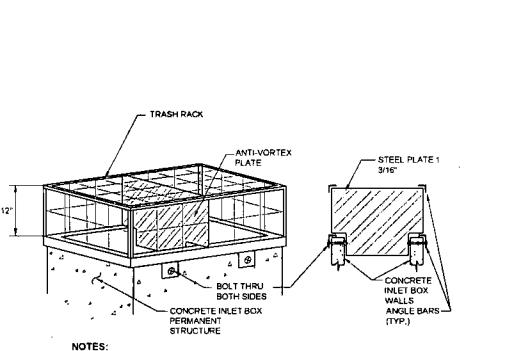
- NOTE:**
- ALL HARDWARE SHALL BE GALVANIZED TO ASTM A153.
- NOTES:**
- V = VERTICAL PROJECTION AND MINIMUM HORIZONTAL PROJECTION OF THE ANTISEEP COLLAR IN FEET.
- L = LENGTH IN FEET OF THE CONDUIT WITHIN THE ZONE OF SATURATION MEASURED FROM THE DOWNSTREAM SIDE OF THE RISER TO THE TOE DRAIN OR POINT WHERE PHREATIC LINE INTERCEPTS THE CONDUIT, WHICHEVER IS SHORTER.
- N = NUMBER OF ANTISEEP COLLARS
- THE RATIO OF THE LENGTH OF THE LINE OF SEEPAGE (L+2N)V TO L IS TO BE NOT LESS THAN 1.15. ANTISEEP COLLARS SHALL BE EQUALLY SPACED ALONG THAT PART OF THE BARREL WITHIN THE SATURATED ZONE OF DISTANCES OF NOT MORE THAN 25 FEET.
- * TAKEN FROM THE U.S. DEPT. OF AGRICULTURE SO3 TR-60



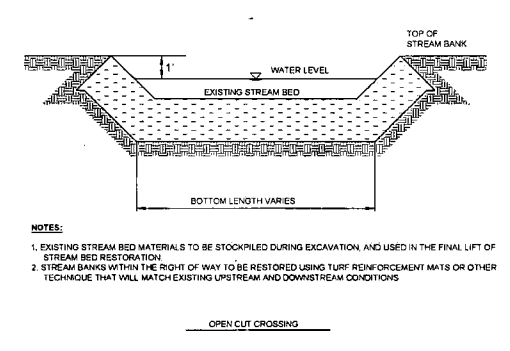
SEE TRASH RACK & ANTI-VORTEX DEVICE DETAIL AND PLYWOOD BOX DETAIL

BASIN NO	TEMPORARY RISER		PERFORATIONS		CONCRETE BASE		BARREL
	DIAM (IN)	LENGTH (FT)	NO HOLES PER ROW	VERTICAL SPACING OF ROWS (FT)	LENGTH (FT)	WIDTH (FT)	
1	18	99.4	4	12 ROWS	2.5	2.5	3.63

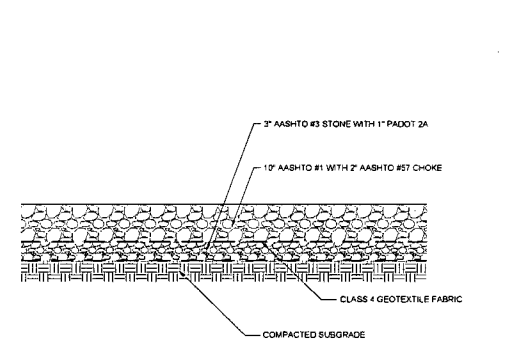
BASIN NO	TEMPORARY STUB		PERMANENT STRUCTURE		OUTLET ELEV (FT)
	DIAM (IN)	LENGTH (FT)	CREST ELEV (FT)	OPENING LENGTH (FT)	
1	15	99.1	CMP	2	SEE DETAIL 3C135



- NOTES:**
- TRASH RACK COMPOSED OF 1 1/2" X 1/8" (TYP.) FITTED AROUND CONCRETE INLET BOX WITH #4 BARS (TYP.) WELDED TO THE ANGLES AND AT EACH INTERSECTION OF THE BARS #4 BARS SPACED 6" EACH WAY.
 - BOLT TRASH RACK TO THE PERMANENT STRUCTURE.



- NOTES:**
- EXISTING STREAM BED MATERIALS TO BE STOCKPILED DURING EXCAVATION AND USED IN THE FINAL LIFT OF STREAM BED RESTORATION.
 - STREAM BANKS WITHIN THE RIGHT OF WAY TO BE RESTORED USING "LIFT" REINFORCEMENT MATS OR OTHER TECHNIQUE THAT WILL MATCH EXISTING UPSTREAM AND DOWNSTREAM CONDITIONS.



- NOTES:**
- STONE SHALL BE CRUSHED AND SCREENED TO OBTAIN A MINIMUM SIZE OF 3/4" AND A MAXIMUM SIZE OF 3/2". UNLESS OTHERWISE APPROVED BY THE OWNER.

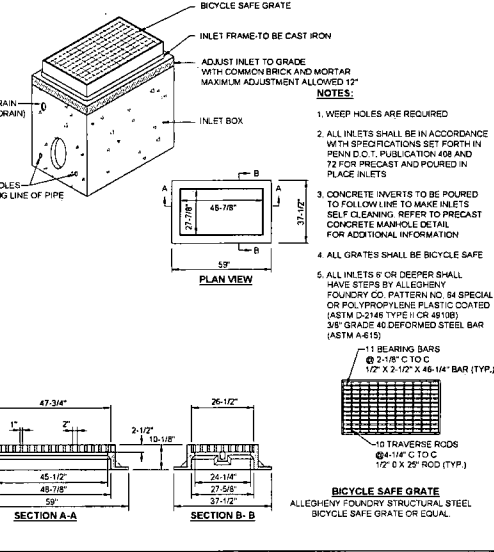
04 CORRUGATED METAL ANTISEEP COLLAR
334100-00048

05 STANDARD CONSTRUCTION DETAIL #6 SEDIMENT BASIN TEMPORARY & PERMANENT RISERS
311000-00028

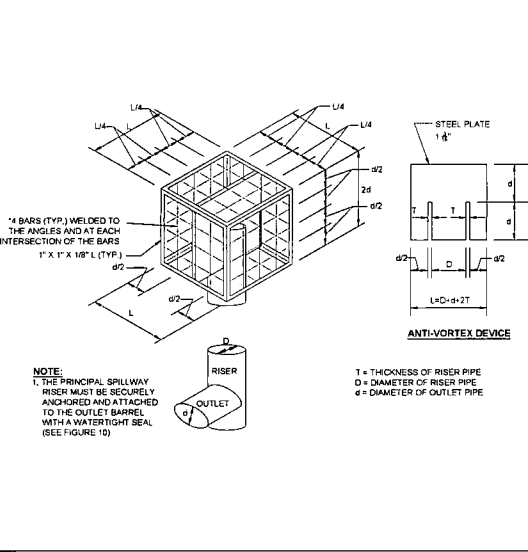
06 TRASH RACK WITH ANTI-VORTEX PLATE FOR PERMANENT STRUCTURES
311000-00076

10 STREAM CROSSING RESTORATION DETAIL
C135

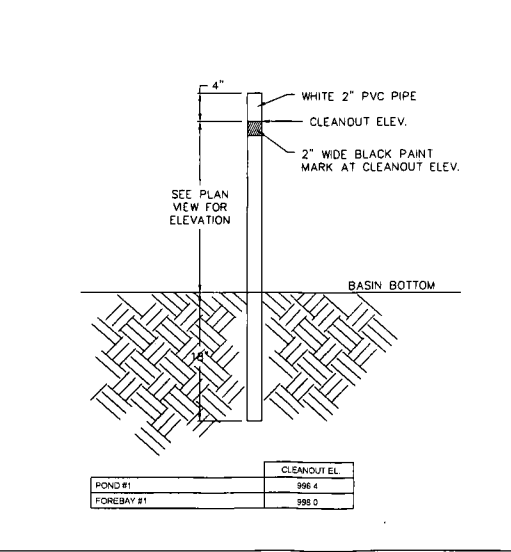
12 GRAVEL PAD PROFILE
C135



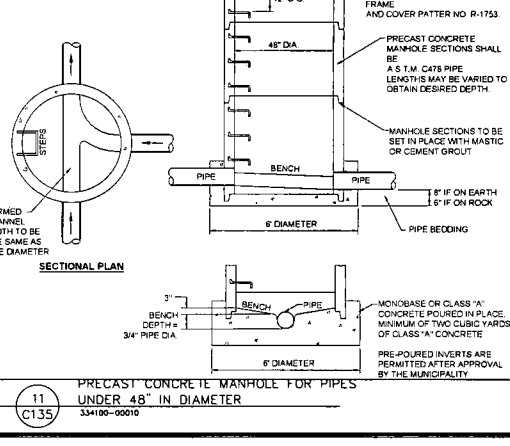
07 STORM INLET (TYPE M)
334100-00011



08 FIGURE #9 TRASH RACK AND ANTI-VORTEX DEVICE
311000-00004



09 CLEANOUT MARKER DETAIL
C135



11 PRECAST CONCRETE MANHOLE FOR PIPES UNDER 48" IN DIAMETER
334100-00010

GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
E-Mail: gateway@gatewayengineers.com
http://www.gatewayengineers.com

REVISION RECORD

NO	DATE	BY	DESCRIPTION
01			FINAL BID DOCUMENTS
02			
03			
04			
05			
06			
07			
08			

MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIEGE COUNTY, W.V.

PREPARED FOR:
MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
601 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

EROSION AND SEDIMENTATION CONTROL DETAILS
Project Number: 18047-0009
Drawing Scale: NA
Date Issued: 2012-02-09
Index Number:
Drawn By: AAF
Checked By: MEB
Project Manager: MEB


C135

THIS PLAN IS FOR EROSION AND SEDIMENTATION CONTROL PURPOSES ONLY



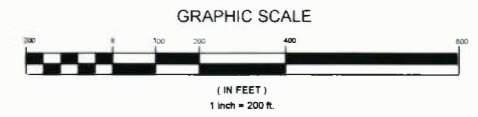
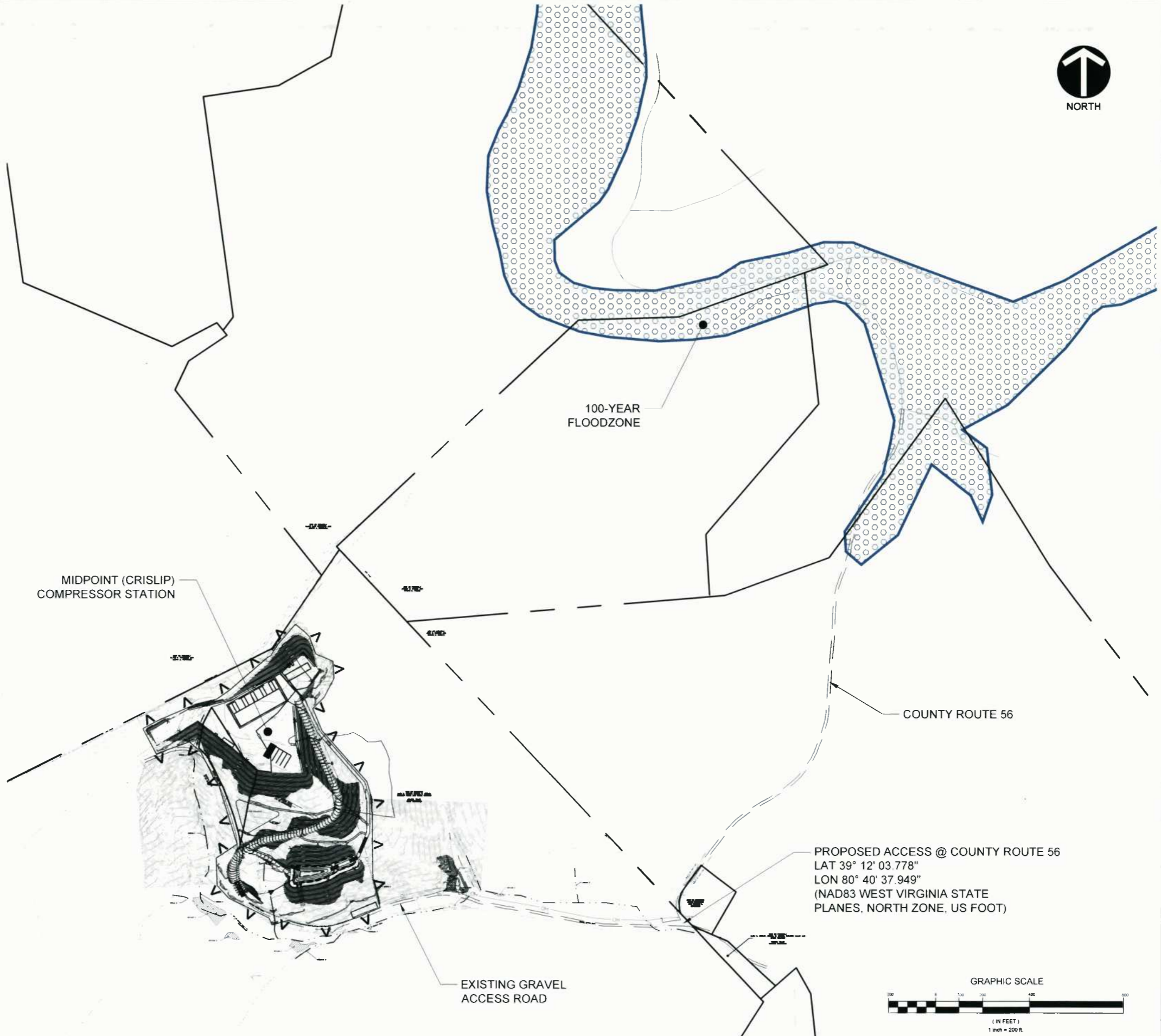
SITE LOCATION MAP
1"=1000'
USGS, NEW MILTON QUAD

PROJECT AREA = 15.8+/- ACRES
DISTURBED AREA = 15.8+/- ACRES

-  COMPOST FILTER SOCK
DETAIL 01 SHEET C134
-  LIMITS OF DISTURBANCE
-  ROCK FILTER
DETAIL 07 SHEET C133
-  ROCK CONSTRUCTION ENTRANCE
DETAIL 10 SHEET C133
-  TEMPORARY CHANNEL/
PERMANENT CHANNEL/
DIVERSION CHANNEL
DETAIL 03 SHEET 134
-  EROSION CONTROL BLANKET/
STEEP SLOPE SEED MIXTURE
DETAIL 09 SHEET C133
-  AGGREGATE PAD / DRIVEWAY
-  RIP-RAP APRON
DETAIL 11 SHEET 133

NOTES:

- 1) THE CONTRACTOR SHALL BE AWARE THAT THE GAS SERVICE LINES HAVE NOT BEEN SHOWN. HOWEVER, THE CONTRACTOR MUST MAKE PROVISIONS FOR CONNECTION TO THE COMPRESSOR STATION SITE IN ACCORDANCE WITH THE OWNERS REQUESTS.
- 2) ALL EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF GATEWAY ENGINEERS, INC. GEOTECHNICAL REPORT AND UNDER THE SUPERVISION OF OWNER'S REPRESENTATIVE.
- 3) ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE WV LAND AND STREAM AND US ARMY CORPS NATIONWIDE PERMITS.
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PROPERTY LINES AND LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION FOR REVIEW BY ALL PARTIES.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING ALL UTILITY SERVICE LINES AS NECESSARY TO SERVICE THE SITE.
- 6) THE CONTRACTOR WILL NOT BE PERMITTED TO ENTER EXISTING UTILITY RIGHT OF WAYS WITHOUT PERMISSION/SUPERVISION OF UTILITY OWNING EASEMENT/ RIGHT OF WAY.
- 7) THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RIGHT OF WAY, ENVIRONMENTAL FEATURES, AND SITE ARE STAKED PRIOR TO THE START OF CONSTRUCTION TO ENSURE THAT THE ERS CONTROLS ARE INSTALLED AS SHOWN.
- 8) THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR. HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND/OR SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
- 9) ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
- 10) THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.
- 11) A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
- 12) THE LOCATION OF SOME EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION OR USE OF ALTERNATE EROSION CONTROL METHODS TO THE APPROVED PLANS SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- 13) IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.
- 14) PROPOSED ACCESS @ COUNTY ROUTE 56
NAD (83) N 39° 12' 03.778"
W 80° 40' 37.949"
- 15) UNDERDRAIN SHALL BE 12" PERFORATED POLYETHYLENE PIPE, SMOOTH BORE. PROVIDE POSITIVE DRAINAGE TO OUTFALL.
- 16) ROOFDRAIN SHALL BE 12" SOLID CORRUGATED POLYETHYLENE PIPE, SMOOTH BORE @ 1.5% MINIMUM SLOPE.
- 17) EROSION CONTROL BLANKET FOR SLOPE APPLICATIONS SHALL BE NA GREEN S150 OR APPROVED EQUAL.



GATEWAY
Consulting Engineers & Surveyors
400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
Phone (412) 921-4030 - Fax (412) 921-9960
• Butler, PA (724) 267-1065 • Washington, PA (724) 239-3862
http://www.gatewayengineers.com

REVISION RECORD	
No.	FINAL BID DOCUMENTS
01	02/16/2012
02	
03	
04	
05	
06	
07	
08	

MIDPOINT (CRISLIP) COMPRESSOR STATION
NEW MILTON
DODDRIIDGE COUNTY, WV
PREPARED FOR:
MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
801 TECHNOLOGY DRIVE, SUITE 130
CANONSBURG, PA 15317

FEMA EXHIBIT
Project Number: 18047-0009
Drawing Scale: 1"=200'
Date Issued: JULY 2013
Index Number: -
Drawn By: MGA
Checked By: MEB
Project Manager: MEB
FEMA EX

Path: E:\Projects\18047\18047 Midstream\18047 Midstream.dwg
Plot Date: 7/11/2013 11:20 AM Michael C. Anagnost
Save Date: 7/11/2013 11:18 AM

