

**Doddridge County Sheriff
Flood Plain Ordinance Fund**

1068

69-217/515

DATE December 17, 2013

PAY TO THE ORDER OF THE HERALD RECORD

\$ 106.28

One Hundred Six Dollars and 28/100

DOLLARS

Security features included. Details on back.



West Union, WV 26456

Invt #: 2881/2882/2883/3002 and 3007

MEMO Permit #: 13-095 #13-092 #13-088 #13-099 #13-098

Ralph Davidson Jr.
Beth A. Rogers
MP Sheriff

⑈001068⑈ ⑆051502175⑆ 1109649⑈9⑈

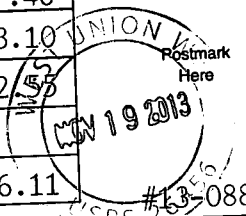
BLUE TRADITIONAL

7011 0470 0000 8523 2754

**U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information, visit our website at www.usps.com
OFFICIAL USE

Postage	\$.46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.11



Sent To Walter & Leonard Davidson
 Street, Apt. No., or PO Box No. Rt 1, Box 287
 City, State, ZIP+4 Salem, WV 26426
 PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: #13-088

Walter & Leonard Davidson
Rt. 1, Box 287
Salem, WV 26426

2. Article Number
(Transfer from service label)

7011 0470 0000 8523 2754

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Marlene Davidson* Agent
 Addressee

B. Received by (Printed Name)

Marlene Davidson

C. Date of Delivery

11/26/13

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

UNITED STATES POSTAL SERVICE



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

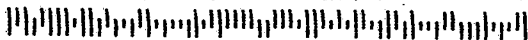
- Sender: Please print your name, address, and ZIP+4 on this box.

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST
ROOM 102
WEST UNION, WV 26456

DODDRIDGE COUNTY, WV
BETH A. ROGERS
COUNTY CLERK

NOV 21 PM 12:41

MAILED



LOCATION PERMIT FEES

Accessory Building and/or Structures \$ 5.00
 (examples: garage, storage or farm building, carport)

Additions and/or Renovations to Single Family Residential ^{OR} of Manufacture Homes
UP TO \$50,000.00 \$10.00

Additions and/or Renovations to Single Family Residential or Manufacture Homes
OVER \$50,000.00 \$10.00

Single Family Residential UP TO \$50,000.00 \$25.00

~~**Manufactured Homes** – described as having permanent axle and frame **NONE**~~

Multi-Family \$25.00
 Residential and other buildings and structures, including additions and
 renovations to existing structures.

New Commercial Structures or Renovations to existing Commercial Structures,
Commercial Land Use Changes and Land Altering Activities \$250.00
 (includes buildings used for business purposes the total costs of which do not exceed \$50,000.00.)

New commercial Structures or Additions or Renovations to Existing Commercial
Structures, Commercial Land Use Changes and Land Altering Activities \$350.00
 (the total costs of which exceed \$50,000.00 plus \$2.00 per \$1,000.00 to $\frac{79000}{10,000} = 7.9$ $2(2) = 4$ $+ 610.00$
 cover costs over \$50,000.00) $\frac{50,000}{10,000} = 5$ $\frac{79000}{10,000} = 7.9$ $2(2) = 4$ $+ 610.00$
 $5 + 7.9 + 4 + 610.00 = 626.9$ $\$ 390.00$

New Industrial Structures or Additions or Renovations to Existing Industrial
Structures, changes in Land Use and Land Altering Activities for Industrial \$500.00
PURPOSES. (the total costs of which do not exceed \$100,000.00)

New Industrial Structures or Additions or Renovations to Existing Industrial
Structures, changes in Land Use and Land Altering Activities for Industrial \$1,000.00
PURPOSES. (the total costs of which exceed \$100,000.00 plus \$5.00 per \$1,000.00 in
 costs over \$100,000.00.)

FEE FOR DRILLING OIL & GAS WELL \$1,000.00
 IN FEMA DESIGNATED FLOOD PLAIN

Maximum Fee: In no event shall any Location Permit Fee charged under this Ordinance
 exceed the sum of **\$100,000.00.**

Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the 19th day of November, 2013
CRESTWOOD MARCELLUS MIDSTREAM LLC PERMIT NO. #13-088

LEONARD PIPELINE

filed an

application for a Floodplain Permit to develop land located at or
about: **SURFACE OWNERS: WALTER V. & LEONARD DAVIDSON,**

GREENBRIER DISTRICT,

DEED BOOK 140/554, AND TAX MAP 4-4-7

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 **DECEMBER 9th, 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

TRANSACTION REPORT

P. 01

NOV-19-2013 TUE 02:57 PM

FOR: DODDRIDGE CO. CLERK

304 873 1840

SEND

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
NOV-19	02:56 PM	93048731600	25"	1	FAX TX	OK	726	

TOTAL : 25S PAGES: 1

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

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

THRASHER

#13-088

FILED
CLERK

2013 NOV 12 PM 1:58

BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

November 5, 2013

Mr. Dan Wellings
Doddridge County Commission
118 East Court Street
West Union, WV 26456

**RE: *Doddridge County Location Improvement Permit
Crestwood Marcellus Midstream, LLC
Leonard Pipeline
Doddridge County, West Virginia
Thrasher Project #101-015-0178***

Mr. Wellings:

On behalf of Crestwood Appalachia Pipeline LLC (Crestwood), The Thrasher Group, Inc., is submitting to your office for review and approval an application package for a Doddridge County Location Improvement Permit for a proposed pipeline in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV. The proposed 16" steel Leonard pipeline originates at the Leonard Well Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends approximately 7,060 LF south to a recently constructed right-of-way located at 39°15'0.0792"N / 80°35'37.9314"W.

The USGS topographical map and aerial imagery map contained herein depict the proposed limits of disturbance associated with the proposed construction. No above-ground structures are proposed to be constructed within the 100 year floodplain. Note that all required federal and state permit applications have been submitted for the project and are attached. Approvals will be forwarded to your office upon receipt.

Please see attached permit application, permit fee worksheet and payment.

If any further documentation is required for this project, or if any questions may arise please feel free to contact me at your convenience at (304) 624-4108 or rboustany@thrashereng.com.

Sincerely,

THRASHER GROUP, INC.


Ryan S. Boustany
Environmental Staff Engineer

Enclosures

R:\015-0178 Leonard Pipeline- Crestwood\Documents\Permitting\Environmental\Correspondence\DCLIP

**Crestwood Marcellus
Midstream LLC**

Leonard Pipeline

THRASHER GROUP, INC. PROJECT # 101-015-0178

DODDRIDGE COUNTY LOCATION

IMPROVEMENT PERMIT



#13-088
Leonard Pipeline

DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

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

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

APPLICANT'S SIGNATURE _____

DATE _____

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: Crestwood Marcellus Midstream LLC _____

ADDRESS: 801 Cherry St., Suite 3800 Fort Worth, TX 76102 _____

TELEPHONE NUMBER: (817) 339-5400 _____

BUILDER'S NAME: To be determined- Request conditional approval

ADDRESS: _____

TELEPHONE NUMBER: _____

ENGINEER'S NAME: Matthew Fluharty, PE, The Thrasher Group, Inc.

ADDRESS: 600 White Oaks Blvd., Bridgeport, WV 26330

TELEPHONE NUMBER: (304) 624-4108

PROJECT LOCATION:

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

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) _____

DISTRICT: _____

DATE/FROM WHOM PROPERTY

PURCHASED: _____ Please see attached table

LAND BOOK DESCRIPTION: _____

DEED BOOK REFERENCE: _____

TAX MAP REFERENCE: _____

EXISTING BUILDINGS/USES OF PROPERTY: _____

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

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

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

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

- | | |
|--|---|
| <input type="checkbox"/> New Structure | <input type="checkbox"/> Residential (1 – 4 Family) |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Residential (more than 4 Family) |
| <input type="checkbox"/> Alteration | <input type="checkbox"/> Non-residential (floodproofing) |
| <input type="checkbox"/> Relocation | <input type="checkbox"/> Combined Use (res. & com.) |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Replacement |
| <input type="checkbox"/> Manufactured/Mobil Home | |

B. OTHER DEVELOPMENT ACTIVITIES:

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

C. STANDARD SITE PLAN OR SKETCH

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

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 2,500,000.00

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.

Dist. Name	Dis.	Map	Par	Sub	Owner	Address	City,St., Zip	Location	Book	Page	Legal Desc.
GREENBRIER	4	4	7	✓	WALTER V. & LEONARD DAVIDSON	RT 1 PO BOX 287	SALEM, WV 26426	RT. 42	140	554	BUFFALO CALF 83.61 AC B
GREENBRIER	4	4	8	✓	DAVIDSON WALTER V & LEONARD J %MARLENE DAVIDSON	RT 1 BOX 287	SALEM, WV 26426	SALEM RT 42	140	554	BUFFALO CALF 87 AC 90 PO
GREENBRIER	4	4	17		BAILEY MELANIE B, DOUGLAS W & HASSELL (SURV) %FIRST AMERICAN REAL EST TAX	1 FIRST AMERICAN WAY	WESTLAKE , TX 76262		261	279	GREENBRIE R 144.05 AC
GREENBRIER	4	4	27	3	PERKINS RONNIE ET UX	RT 1 BOX 326	SALEM, WV 26426	RT 17	173	259	GREENBRIE R 40.20 AC

- (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: _____ 165 _____
 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 _____ A _____
 100-Year flood elevation is: _____ N/A _____ NGVD (MSL)

Unavailable

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

See section 4 for additional instructions.

SIGNED

Dan Wetters

DATE

12/09/2013

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
- 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 –

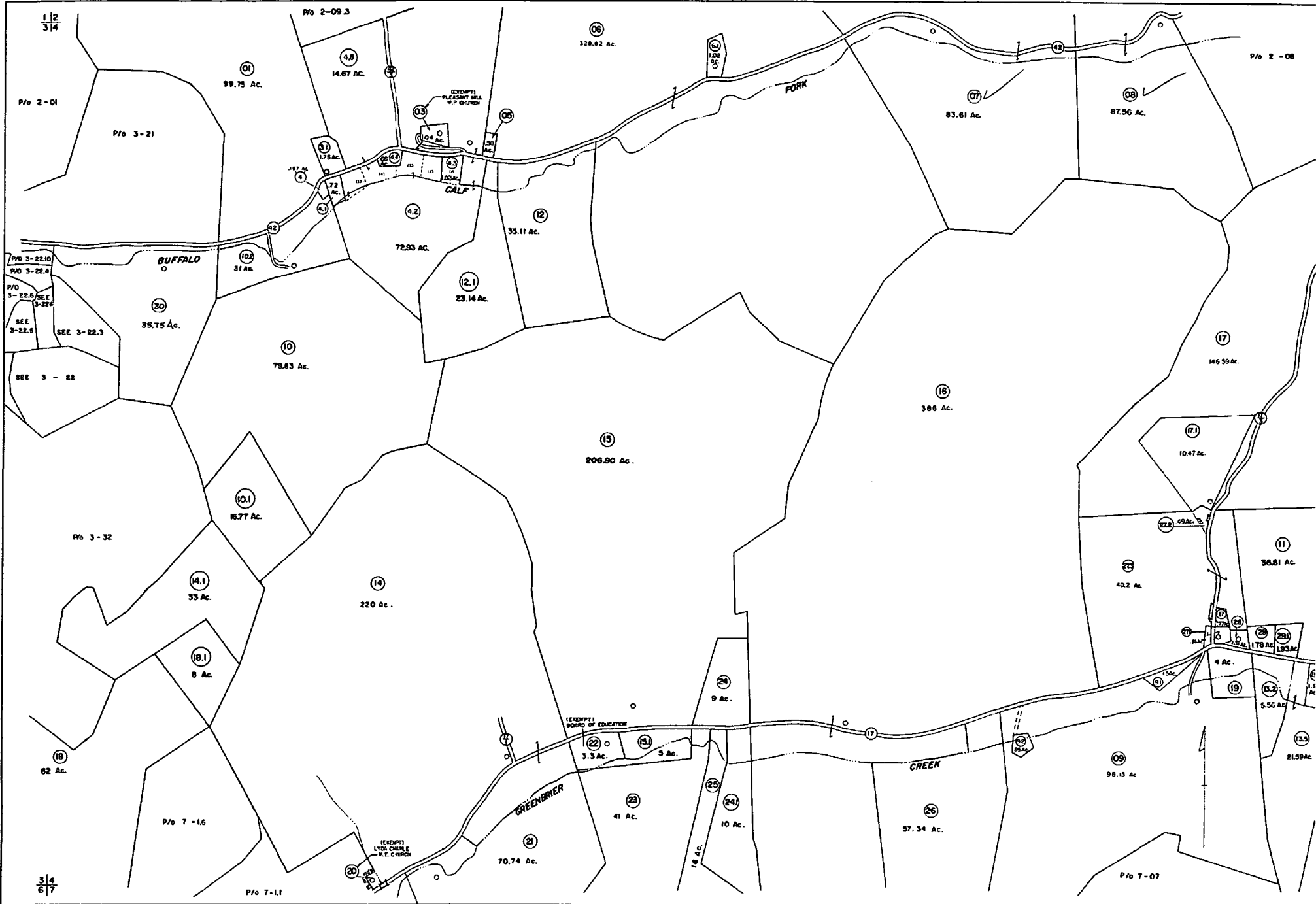
CONSTRUCTION LOCATION: _____

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** _____



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
 Consulting Engineer
 Evansburg, Pennsylvania

Legend

Property line	--- (solid line)	Original lot line	--- (dashed line)
Step of easement or number	--- (dotted line)	Dead lot number	⊙ (circle with dot)
Conspicuous tree	--- (line with circles)	Parcel or index number or name	⊙ (circle with number)
Divided line	--- (line with dashes)	Impassment	--- (line with triangles)
County line	--- (line with squares)	Railroad	--- (line with cross-ticks)

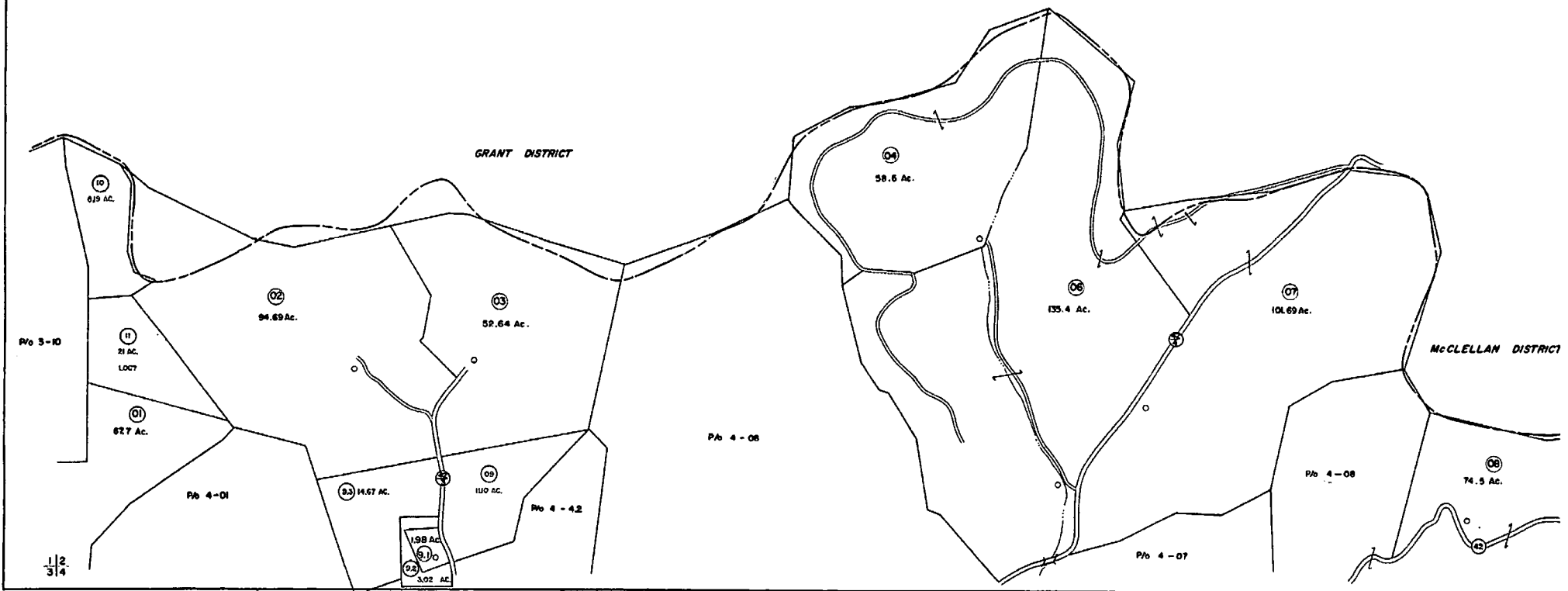
Revisions

REVISED BOARD	DATE	BY	REASON
1	1/11/77	WJS	REVISED
2	8-30-76	WJS	REVISED
3	12-2-76	WJS	REVISED
4	3/21/78	WJS	REVISED
5	REV. 7-81	T. Brown	REVISED
6	REVISED TO 10-1-83	WJS	REVISED
7	11-1-83	WJS	REVISED

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

**GREENBRIER DISTRICT
 SHEET 04**

Date, Aerial Photography: 4/11/62
 Photo No: 596, 510
 Scale



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
 Consulting Engineer
 Ebensburg, Pennsylvania

Legend

Property line	Original tax line	Deed number	Parcel or block number	Impressment	Railroad
Step of government or township					
Cooperative line					
District line					
County line					

Revisions

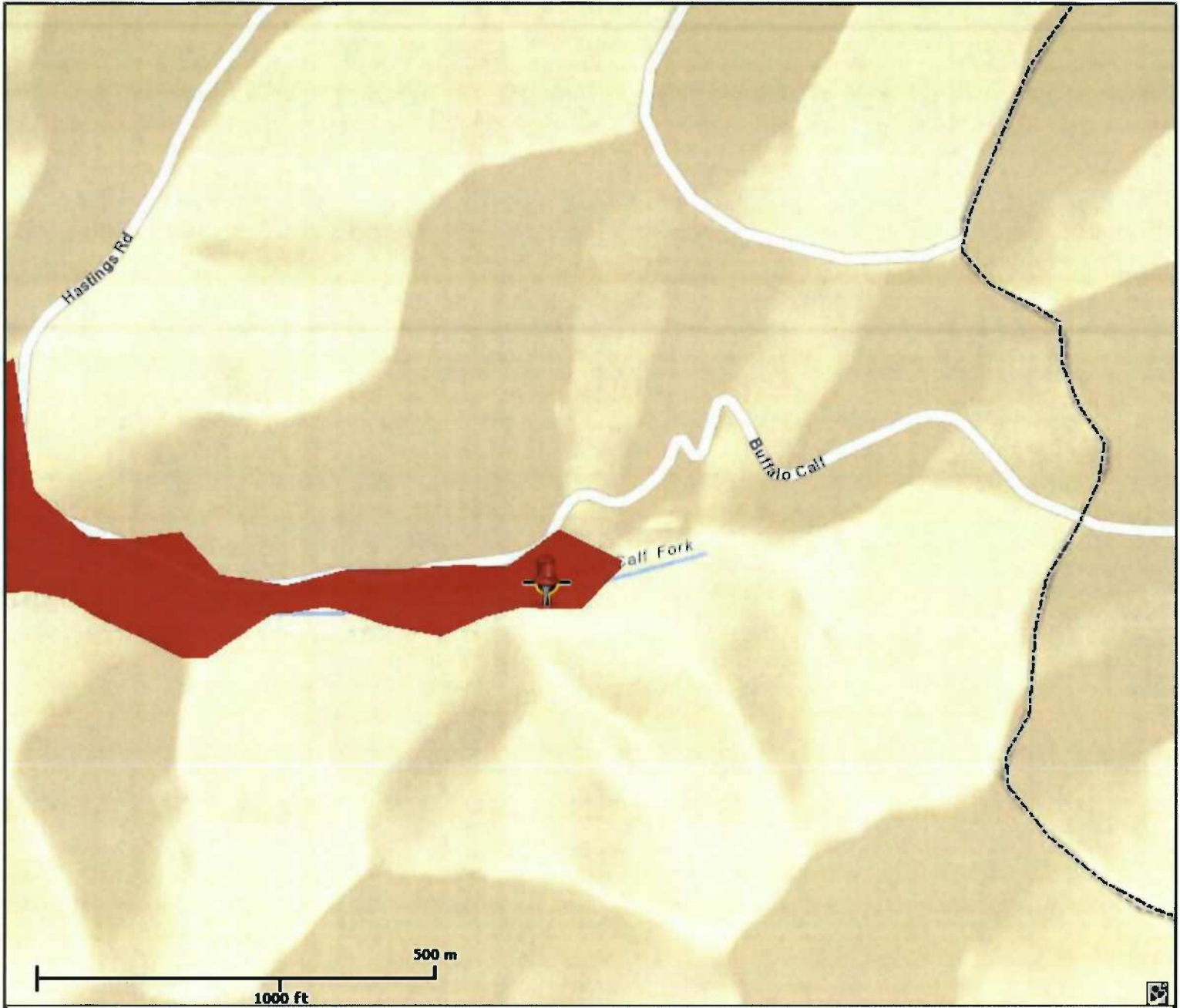
No.	Description	Date	By
1	REVISED	3/20/64	J.B.
2	REVISED	7-31	T. Brown
3	TO	JULY 1962	C.P.
4	DDIS	1-3-60	JB
5	DDIS	12-0-52	JED
6	SLS INC	3/20/60	JAW
7			
8			

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

**GREENBRIER DISTRICT
 SHEET 02**
 Date, Aerial Photography: APRIL, 1962
 Photo No: 200


WV Flood Map


13-088



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

Map Created on 11/6/2013

 Location of the mouse click

 **Flood Hazard Zone**
(1% annual chance floodplain)

User Notes:

Disclaimer:
The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

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

Flood Hazard Area: Selected site is **WITHIN** the FEMA 100-year floodplain.

Elevation: About 1029 feet

Location (long, lat): 80.593923 W, 39.263035 N

Location (UTM 17N): (535032, 4346045)

FEMA Issued Flood Map: 54017C0165C

Contacts: Doddridge County

CRS Information: No CRS information available

Parcel Number:



DODDRIDGE COUNTY
UNINCORPORATED AREAS
540024

ZONE A

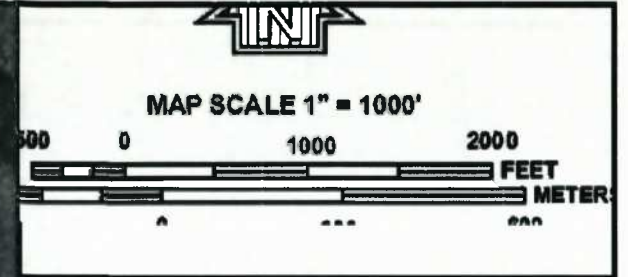
ZONE A

DODDRIDGE COUNTY
HARRISON COUNTY

Buffalo

Golf

Fork



PANEL 0165C

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

PANEL 165 OF 325
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0165	C

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

MAP NUMBER
54017C0165C
MAP REVISED
OCTOBER 4, 2011
Federal Emergency Management Agency

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

JOINS PANEL 0255

October 8, 2013

U.S. Fish and Wildlife Service
West Virginia Field Office
694 Beverly Pike
Elkins, WV 26241

**RE: *Project Review Request
Crestwood Marcellus Midstream LLC
Leonard Pipeline, Doddridge County, West Virginia
Thrasher Project #101-015-0178***

To whom it may concern:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for a proposed linear pipeline project in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Leonard pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 12.24 acres. The proposed 16" steel Leonard pipeline originates at the Leonard Well Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends approximately 7,060 LF south to a previously constructed compressor site located at 39°15'0.0792"N / 80°35'37.9314"W.

All streams and wetlands within the proposed AOI have been identified and delineated by Thrasher staff. One (1) stream, Buffalo Calf Fork was found within the extent of the proposed AOI. Buffalo Calf Fork will be crossed and temporarily impacted using open cut construction method. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Leonard pipeline AOI.

Of the 12.24 acres contained within the AOI, approximately 10.5 acres are forested and will require timbering before construction can commence. Please see attached forested acreage map. In addition, no specific Indiana Bat habitat, portals or caves were identified within the intended AOI.

U.S. Fish and Wildlife Services
October 8, 2013
Page 2 of 2

The USGS topographical map and aerial imagery map contained herein depict the proposed pipeline right of way. The included photo log displays all aquatic resources within the AOI as well as typical habitat within the intended AOI. The CD included with this submittal contains shapefiles depicting the extent of the proposed AOI.

If any further documentation or permitting is requested for this project, or if any questions or concerns should arise, please feel free to contact me at your earliest convenience at (304) 624-4108 or rboustany@thrashereng.com.

Sincerely,

THE THRASHER GROUP, INC.



RYAN S. BOUSTANY
Environmental Staff Engineer

Enclosure

R:\015-0178 Leonard Pipeline- Crestwood\Documents\Permitting\Environmental\Correspondence\USFWS

RECEIVED
OCT 18 2013
WVFO

U.S. Fish and Wildlife Service
West Virginia Field Office
694 Beverly Pike
Elkins, WV 26241

**RE: Project Review Request
Crestwood Marcellus Midstream LLC
Leonard Pipeline, Doddridge County, West Virginia
Thrasher Project #101-015-0178**

To whom it may concern:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for a proposed linear pipeline project in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Leonard pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 12.24 acres. The proposed 16" steel Leonard pipeline originates at the Leonard Well Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends approximately 7,060 LF south to a previously constructed compressor site located at 39°15'0.0792"N / 80°35'37.9314"W.

All streams and wetlands within the proposed AOI have been identified and delineated by Thrasher staff. One (1) stream, Buffalo Golf Course, was found within the proposed AOI.



United States Department of the Interior

FISH AND WILDLIFE SERVICE



West Virginia Field Office
694 Beverly Pike
Elkins, West Virginia 26241

In response to your letter above, we have made a "no effect" determination that the project will not affect federally-listed endangered or threatened species. Therefore no biological assessment or further section 7 consultation under the Endangered Species Act is required with the Fish and Wildlife Service. Should project plans change, or if additional information on listed and proposed species becomes available, this determination may be reconsidered.

Definitive determinations of the presence of waters of the United States, including wetlands, in the project area and the need for permits, if any, are made by the U.S. Army Corps of Engineers. They may be contacted at: Huntington District, Regulatory Branch, 502 Eighth Street, Huntington, West Virginia 25701, telephone (304) 399-5710.

[Signature] 10/24/2013
Reviewer's signature and date

[Signature] 10/24/13
Field Supervisor's signature and date

October 8, 2013

Mr. Joe Scarberry, Supervisor
Office of Land and Streams
WV Division of Natural Resources
324 Fourth Avenue, Room 200
South Charleston, WV 25303-1228

**RE: *Stream Activity Application
Crestwood Marcellus Midstream LLC
Leonard Pipeline, Doddridge County, West Virginia
Thrasher Project #101-015-0178***

Dear Mr. Scarberry:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting the following packet and Stream Activity Application to your office for a proposed linear pipeline project in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV.

The proposed Leonard pipeline area of interest (AOI) consists of a 75' wide construction right-of-way (ROW) which contains approximately 12.24 acres. The proposed 16" steel Leonard pipeline originates at the Leonard Well Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends approximately 7,060 LF south to a previously constructed compressor site located at approximately 39°15'0.0792"N / 80°35'37.9314"W.

All streams and wetlands within the proposed AOI have been identified and delineated by Thrasher staff. One (1) stream, Buffalo Calf Fork was found within the extent of the proposed AOI. Buffalo Calf Fork will be crossed and temporarily impacted using open cut construction method. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Leonard pipeline AOI.

The USGS topographical map and aerial imagery map contained herein depict the proposed site. The included photo log displays all aquatic resources within the AOI as well as typical habitat within the intended AOI.

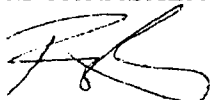
600 WHITE OAKS BLVD | P.O. BOX 940 | BRIDGEPORT | WV 26330
PH: 304-624-4108 | FAX: 304-624-7831

Mr. Scarberry
Page 2 of 2
October 8, 2013

If any further documentation or permitting is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or rboustany@thrashereng.com.

Sincerely,

THE THRASHER GROUP, INC.



RYAN S. BOUSTANY
Environmental Staff Engineer

Enclosure

R:\015-0178 Leonard Pipeline- Crestwood\Documents\Permitting\Environmental\Correspondence\WVDNR OLS

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

1. Name of Applicant: Crestwood Marcellus Midstream LLC
(Landowner)

2. Date: September 24, 2013

3. Complete mailing address of applicant: 801 Cherry St., Suite 3400, Unit 20, Fort Worth, TX 76102

Telephone Number: (817) 339-5400

Fax Number: (817) 339-5540

E-Mail Address: mjones@crestwood.com

4. Name, address, telephone number, and title of applicant's authorized agent (i.e. contractor employed by landowner):
Leigh A. Martin, The Thrasher Group, Inc. 4150 Belden Village Street, Suite 101, Canton OH 44718 (330) 491-8170; Environmental Scientist

Please if you want the approval sent to the agent

5. Describe the proposed activity, its purpose and intended use after completion, type of equipment to be used in the stream, amount of material to be dredged (if any), plan for disposing of dredged materials, length of stream/bank to be worked or type and size of structure to be placed in the stream (i.e. length and width of bridge, diameter and length of culvert). **One copy of a map (topographical or detailed, hand-drawn) showing exact location of the work site (enabling Officials to locate site) must accompany this application**, and all other information that may be important to this application.

The proposed Leonard pipeline will consist of a 16" buried steel pipeline approximately 7,060 LF in length. The pipeline will originate at the Leonard well pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it will extend north to a recently constructed compressor site located at approximately 39°15'0.0792"N / 80°35'37.9314"W. This proposed pipeline shall include a 75 foot wide construction right of way and will involve crossing one (1) stream, Buffalo Calf Run.

The stream crossing will utilize open cut construction methods. The pipeline excavation not associated with the stream crossings will consist of approximately 60 inches (5 feet) and upon installation of the pipeline will have a minimum cover of 42 inches (3.5 feet). Standard construction equipment (i.e. bulldozers and excavators) shall be used to accomplish construction of the proposed line.

For more information, please see the attached photo log and mapping.

(if additional space is required, continue on a separate sheet)



DIVISION OF NATURAL RESOURCES

324 Fourth Avenue, Room 200
South Charleston WV 25303-1228
TDD (304) 558-1439
TDD 1-800-354-6087
Fax (304) 558-6048
Telephone (304) 558-3225

Earl Ray Tomblin
Governor

Frank Jezioro
Director

October 21, 2013

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY

Re: P-13-VI/09-1393

Crestwood Marcellus Midstream LLC
c/o The Thrasher Group, Inc.
Attention: Leigh Martin
4150 Belden Village Street, Suite 101
Canton, OH 44718-

Dear Sir or Madam:

The Division of Natural Resources hereby grants to you for a term of 10 years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a sixteen inch (16") steel pipeline along Buffalo Calf Fork, Doddridge County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A.

This License and Right of Entry is subject to the following terms and conditions:

High Quality Streams (HQS) as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1st through June 30th. Trout spawning season runs from October 1st through April 30th.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

Non-high quality stream:

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1st through June 30th. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.
- Only ephemeral/intermittent streams that are dry can be trenched.

Crestwood Marcellus Midstream LLC
P-13-VI/09-1393
Page 2
October 21, 2013

Bank Stabilization

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

Freshwater Mussels

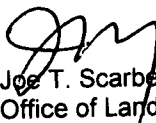
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$225.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

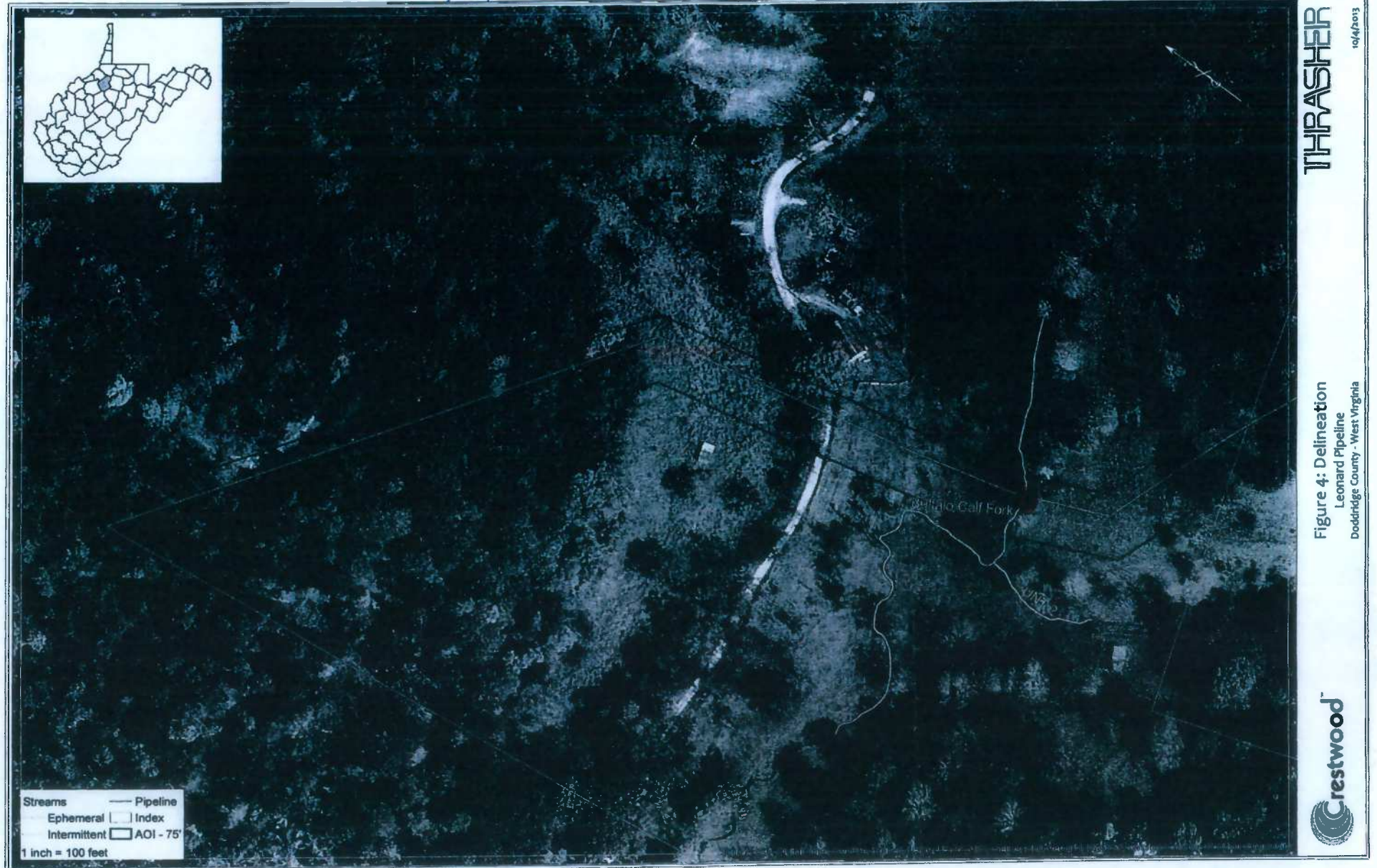
JTS:cs

attachment

pc: DNR Fish Biologist
Mr. Mike Zeto, Environmental Enforcement
DNR Conservation Officers

Exhibit A P-13-VI/09-1393

Exhibit A



October 8, 2013

Ms. Barbara Sargent, Environmental Resources Specialist
Wildlife Diversity Unit
WV Division of Natural Resources, Wildlife Resources Division
P.O. Box 67
Elkins, WV 26241

**RE: *Rare, Threatened and Endangered Species Review
Crestwood Marcellus Midstream LLC
Leonard Pipeline, Doddridge County, West Virginia
Thrasher Project #101-015-0178***

Dear Ms. Sargent:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting to your office, a request for habitat assessment for any rare, threatened and endangered (RTE) wildlife resources for a proposed linear pipeline project in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Leonard pipeline consists of a 75' right-of-way (ROW) which contains approximately 12.24 acres. The proposed 16" steel Leonard pipeline originates at the Leonard Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends approximately 7,060 LF south to a previously constructed compressor located at 39°15'0.0792"N / 80°35'37.9314"W.

All streams and wetlands within the proposed AOI have been identified and delineated by Thrasher staff. One (1) stream, Buffalo Calf Fork was found within the extent of the proposed AOI. Buffalo Calf Fork will be crossed and temporarily impacted using open cut construction method. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Leonard pipeline AOI.

Of the 12.24 acres contained within the AOI, approximately 10.5 acres are forested and will require timbering before construction can commence. Please see attached forested acreage map. In addition, no specific Indiana Bat habitat, portals or caves were identified within the intended AOI.

600 WHITE OAKS BLVD | P.O. BOX 940 | BRIDGEPORT | WV 26330
PH: 304-624-4108 | FAX: 304-624-7831

Ms. Sargent
Page 2 of 2
October 8, 2013

The USGS topographical map and aerial imagery map contained herein depict the proposed pipeline route and the proposed 75' construction right of way. The included photo log displays all aquatic resources within the AOI as well as typical habitat along the proposed pipeline right of way.

If any further documentation or permitting is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or rboustany@thrashereng.com.

Sincerely,

THE THRASHER GROUP, INC.



RYAN S. BOUSTANY
Environmental Staff Engineer
Enclosure

R:\015-0178 Leonard Pipeline- Crestwood\Documents\Permitting\Environmental\Correspondence\WVDNR RTE

Permitting

15-0178

Ryan Boustany

Give-Emmy
Msaltif



DIVISION OF NATURAL RESOURCES
Wildlife Resources Section
Operations Center
P.O. Box 67
Elkins, West Virginia 26241-3235
Telephone (304) 637-0245
Fax (304) 637-0250

Earl Ray Tomblin
Governor

Frank Jezioro
Director

October 16, 2013

Mr. Ryan Boustany
The Thrasher Group, Inc.
PO Box 940
Bridgeport, WV 26330

Dear Mr. Boustany:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed Leonard Pipeline project in Doddridge County, WV (Project #101-015-0178).

We have no known records of any RTE species or sensitive habitats within the project area. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

Barbara Sargent
Environmental Resources Specialist
Wildlife Diversity Unit

enclosure

RECEIVED

S:\Monthly\Barb\Invoices\Thrasher3.doc

OCT 21 2013

October 8, 2013

Ms. Susan Pierce, Deputy State Historic Preservation Officer
The Cultural Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

**RE: *WVSHPO Section 106 Review
Crestwood Marcellus Midstream LLC
Leonard Pipeline, Doddridge County, West Virginia
Thrasher Project #101-015-0178***

Dear Ms. Pierce:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), The Thrasher Group, Inc. (Thrasher), is submitting to your office a review for environmental due diligence a proposed pipeline project in the USGS Salem and Big Isaac 7.5 minute quadrangle of Doddridge County, WV.

The proposed area of interest (AOI) for the Leonard pipeline consists of a 75' wide right-of-way (ROW) which contains approximately 12.24 acres. The proposed 16" steel Leonard pipeline originates at the Leonard Well Pad located at approximately 39°15'54.327"N / 80°35'46.6332"W. From there it extends 7,060 LF south to a previously constructed compressor site located at 39°15'0.0792"N / 80°35'37.9314"W.

All streams and wetlands within the proposed AOI have been identified and delineated by Thrasher staff. One (1) stream, Buffalo Calf Fork was found within the extent of the proposed AOI. Buffalo Calf Fork will be crossed and temporarily impacted using open cut construction method. After the pipeline is installed the stream will be restored to original contour, slope, and grade at the time of completion. Thrasher understands all material removed during excavation will be temporarily side cast and used for backfill. The intended AOI will be returned to the original contour, slope, and grade at the time of completion. The attached delineation mapping depicts all findings associated with the proposed Leonard pipeline AOI.

The USGS topographical map and aerial imagery map contained herein depict the proposed site. The included photo log displays all aquatic resources within the AOI as well as typical habitat within the intended AOI.

Ms. Pierce
Page 2 of 2
October 8, 2013

The attached slope map depicts that the majority of the pipeline is located on terrain which consists of slope greater than 20 percent. During the field investigation, no historical buildings or any other places of interest were discovered onsite.

If any further consultation with your agency is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 624-4108 or rboustany@thrashereng.com.

Sincerely,

THE THRASHER GROUP, INC.



RYAN S. BOUSTANY
Environmental Staff Engineer

R:\015-0178 Leonard Pipeline- Crestwood\Documents\Permitting\Environmental\Correspondence\WVSHPO

15-178 permit



October 30, 2013

Ryan Boustany

The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562
EEO/AA Employer

Mr. Ryan S. Boustany
Environmental Staff Engineer
Thrasher
600 White Oaks Blvd.
PO Box 940
Bridgeport, WV 26330

RE: Leonard Pipeline
FR# 14-26-DO

Dear Mr. Boustany:

We have reviewed the above mentioned project to determine its effects to cultural resources. As required by Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

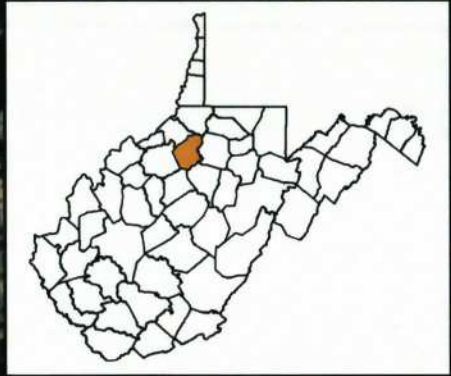
According to the information submitted, Crestwood Marcellus Midstream, LLC proposes to construct a new gas pipeline on landforms located above Buffalo Fork in Doddridge County, WV. It is our understanding that no above ground components are proposed for construction as part of this project. Our records indicate that there are no documented archaeological resources located within the proposed pipeline corridor. In addition, available information indicates that the vast majority of the proposed project is located on steep and/or previously disturbed terrain, making it unlikely that significant archaeological resources will be encountered. As a result, it is our opinion that there are no historic properties within the proposed project area. No further consultation is necessary. However, if cultural materials, including cemeteries, are encountered while the pipeline is being constructed, please cease all activity in the area of discovery and contact this office immediately.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the permit conditions, please contact Lora A Lamarre-DeMott, Senior Archaeologist, at (304) 558-0240.*

Sincerely,

Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/LLD



Streams
Ephemeral
Intermittent
Pipeline
Index
AOI - 75'
1 inch = 100 feet

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4: Delineation
Leonard Pipeline
Doddridge County - West Virginia



Streams
Ephemeral
Intermittent
1 inch = 100 feet

Pipeline
Index
AOI - 75'

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Geomatics, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

Figure 4: Delineation
Leonard Pipeline
Doddridge County - West Virginia



THRASHER

10/1/2013



Streams Pipeline
 Ephemeral Index
 Intermittent AOI - 75'
 1 inch = 100 feet

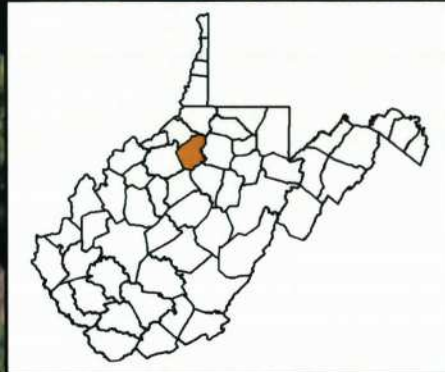
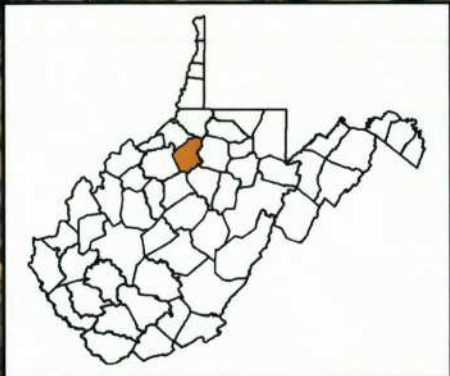


Figure 4: Delineation
 Leonard Pipeline
 Doddridge County - West Virginia

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Streams
Ephemeral
Intermittent
1 inch = 100 feet

Pipeline
Index
AOI - 75'

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Geomatics, AeroGrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 4: Delineation
Leonard Pipeline
Doddridge County - West Virginia

THRASHER

10/1/2013





Streams Pipeline
 Ephemeral Index
 Intermittent AOI - 75'
 1 inch = 100 feet

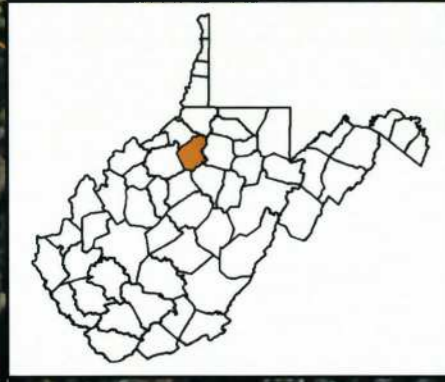


Figure 4: Delineation
 Leonard Pipeline
 Doddridge County - West Virginia

THRASHER

10/1/2013



Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Geomatics, AeroGrid, IGN, IGP, swisstopo, and the GIS User Community



1/4 Mile Buffer
Non-Forested Area
AOI - 75'
10.5 Forested Acres in AOI
1 inch = 500 feet

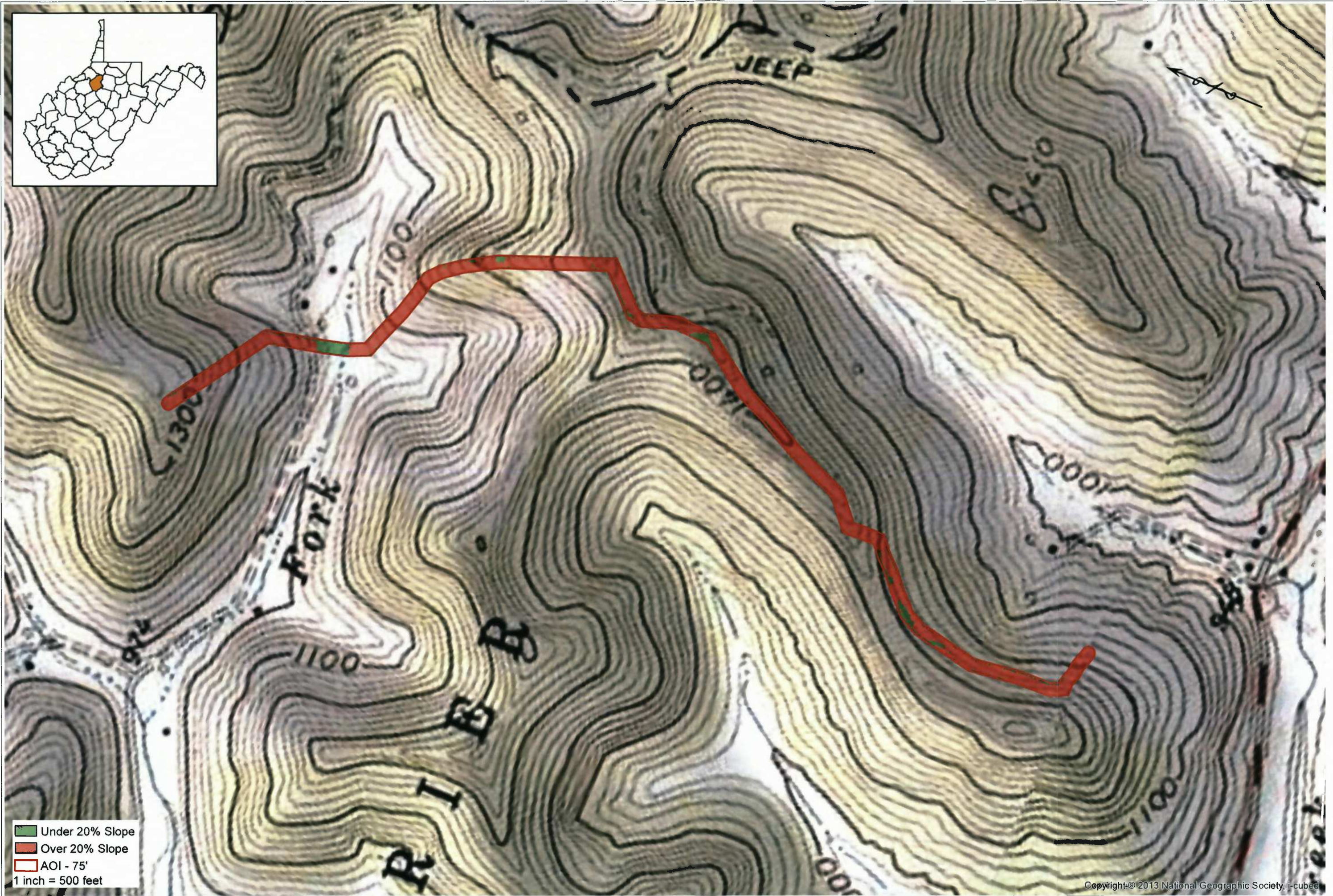
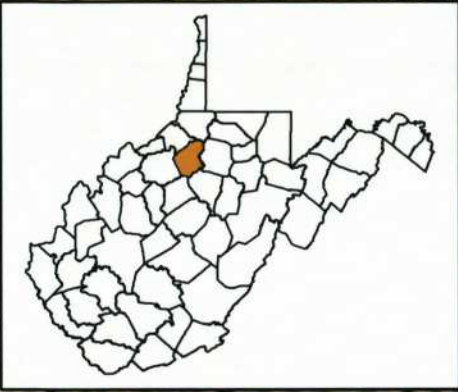
Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

THRASHER

9/25/2013

Forested Acres
Leonard Pipeline
Doddridge County - West Virginia





Under 20% Slope
Over 20% Slope
AOI - 75'
1 inch = 500 feet

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Slope
Leonard Pipeline
Doddridge County - West Virginia

THRASHER

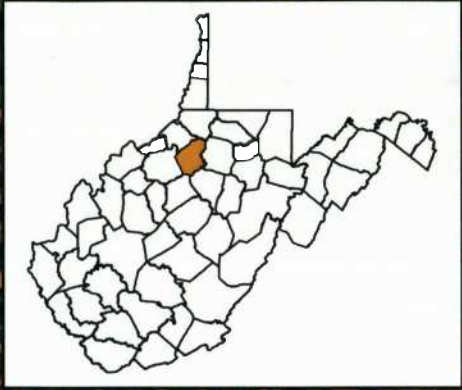
9/25/2013





AOI - 75'
1 inch = 400 feet

Figure 3: Soil Types
Leonard Pipeline
Doddridge County - West Virginia

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Geomatics, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

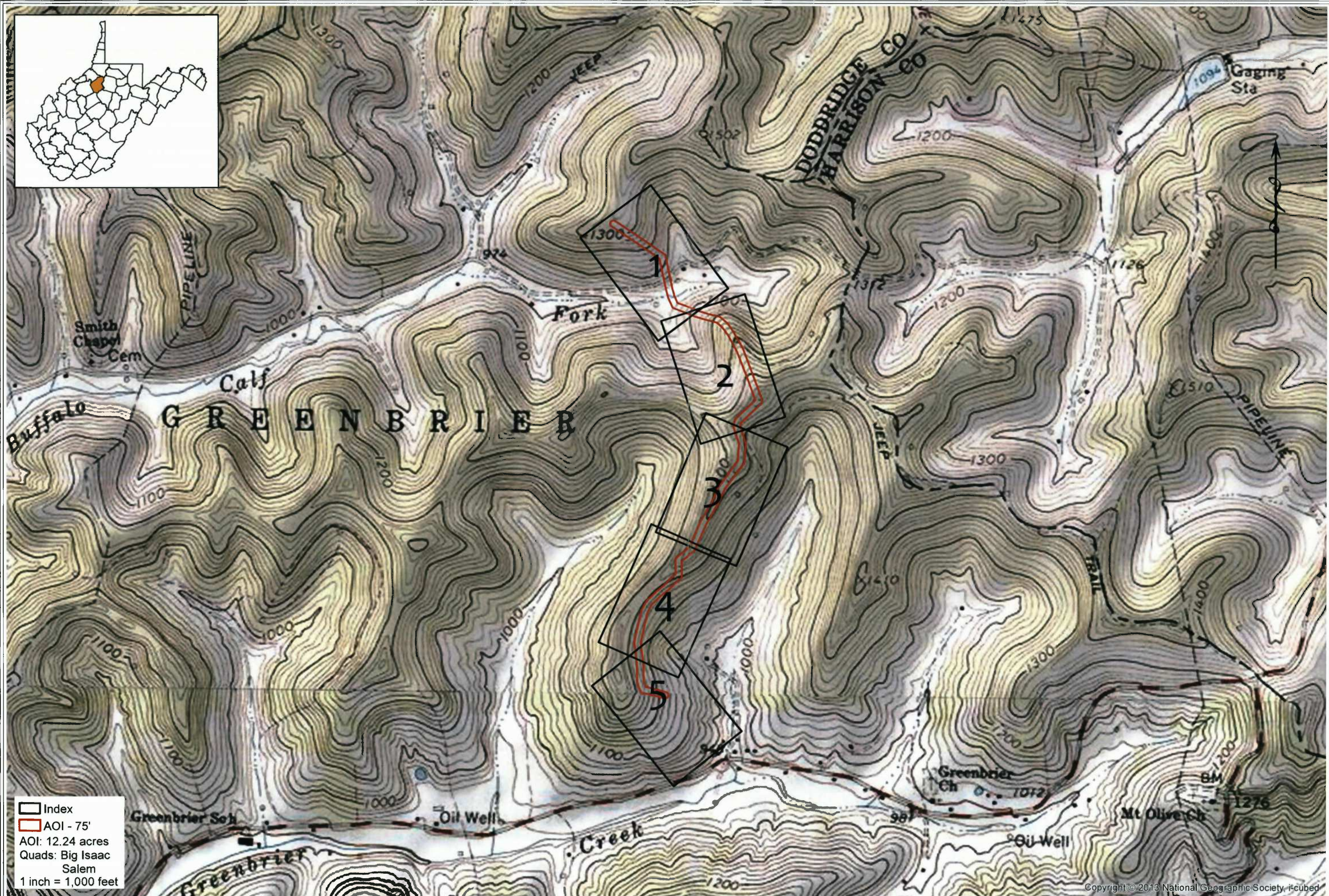


 NWI
 AOI - 75'
1 inch = 400 feet

Note: NWI data is downloaded from the US Fish & Wildlife website and used without any edits or modifications.

Sources: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, ICP, swisstopo, and the GIS User Community

Figure 2: NWI Mapper
Leonard Pipeline
Doddridge County - West Virginia



□ Index
 ■ AOI - 75'
 AOI: 12.24 acres
 Quads: Big Isaac
 Salem
 1 inch = 1,000 feet

Figure 1: Site Location
 Leonard Pipeline
 Doddridge County - West Virginia

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
13-088

was published in said paper for ... *1* ...
successive weeks beginning with the issue
of ... *November 26th* ... 2013 and
ending with the issue of

..... 2013 and
that said notice contains ... *189*

WORD SPACE at ... *115* ... cents a word
amounts to the sum of \$ *21.74*

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

\$
and each publication thereafter
\$ *21.74* TOTAL

EDITOR
Virginia Nicholson

SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE ... *2* ... DAY
OF ... *December* ... 2013

NOTARY PUBLIC
Laura J. Adams

LEGAL ADVERTISEMENT
Doddridge County

Floodplain Permit Application

Please take notice that on the 19th day of November,
2013 CRESTWOOD MARCELLUS MIDSTREAM,
STEWART PIPELINE #13-088 filed an application for
a Floodplain Permit to develop land located at or about:
SURFACE OWNERS: WALTER V. & LEONARD
DAVIDSON, GREENBRIER DISTRICT; DEED BOOK
140/554, AND TAX MAP 4-4-7

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 December
09th, 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
11-26-2xb

