

# THRASHER

FILED

2014 FEB -4 PM 2:27

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

February 3, 2014  
Mr. Dan Wellings  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456

**RE: *Doddridge County Location Improvement Permit  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline, Doddridge County, West Virginia  
Thrasher Group Project # 101-015-0170***

NOT IN  
FLOODPLAIN

Mr. Wellings:

On behalf of Crestwood Marcellus Midstream 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 project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, WV. The proposed area of interest (AOI) for the Swisher pipeline consists of a seventy-five foot (75') construction right-of-way (ROW) and contains approximately 5.21 acres. The proposed twelve inch (12") steel Swisher pipeline originates at the existing Swisher well pad located at approximately 39.210791, -80.665477. The pipeline extends 3,045 linear feet in a southeastern direction to the future Banner compressor station and terminus of the Swisher pipeline located at approximately 39.207770, -80.658473.

The USGS topographical map and aerial imagery map contained herein depict the proposed limits of disturbance associated with the proposed construction. No above-ground or underground structures are proposed to be constructed within the 100 year flood plain. In addition, after construction, all material will be replaced to restore original elevation, slope and contour. Note that all required federal and state permit applications have been submitted for the project and are attached.

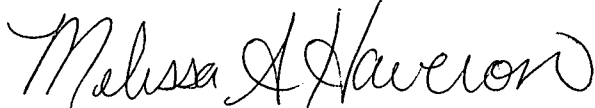
If any further documentation is required for this project, or if any questions may arise please feel free to contact me at your convenience at (304) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).

# THRASHER

Mr. Wellings  
February 3, 2014  
Page 2 of 2

Sincerely,

THRASHER GROUP, INC.



Melissa A. Haveron  
Environmental Scientist

Enclosures

**Crestwood Marcellus  
Midstream LLC**

**Swisher Pipeline**

**THRASHER GROUP, INC. PROJECT # 101-015-0170**

DODDRIDGE COUNTY LOCATION  
IMPROVEMENT PERMIT



February 2014

update;  
Revision

#14-124  
Crestwood Marcellus M.D.  
Swisher Pipeline.  
**FILED**

**DODDRIDGE COUNTY  
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION**

2014 FEB 11 PM 2:27  
BETH A. ROGERS  
COUNTY 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 Melissa Hawerson - Agent

DATE 2/3/2014

**SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).**

**IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.**

**APPLICANT'S NAME:** Crestwood Marcellus Midstream LLC.  
**ADDRESS:** 801 Cherry Street, Suite 3800, Unit 20, 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 Flunharthy PE, Thrasher Group Inc.

**ADDRESS:** 600 White Oaks Boulevard, PO Box 940, Bridgeport WV 26330

**TELEPHONE NUMBER:** (800) 273-6541

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** \_\_\_\_\_

**DISTRICT:** \_\_\_\_\_

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** \_\_\_\_\_

**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)    *PIPELINE*
- 

**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 \$ 610,000.00**

**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	Dist	Map	Par	Sub	Owner	Address	City, St, Zip	Loc	Book	Page	Legal Des.
NEW MILTON	6	13	9		Swisher Leoan	ROUTE 1 BOX 210	NEW MILTON, WV 26411	NEW MILTON RT 25	WB33	535	MEATHOUSE 56.99 AC
NEW MILTON	6	13	22	1	SWISHER LEOAN	ROUTE 1 BOX 210	NEW MILTON, WV 26411	RT 25	WB33	535	MEATHOUSE 26.5 AC
NEW MILTON	6	13	11		PERRODIN FELISHA (HARPER) &RYAN & AIMEE CHRISTINE HARPER	5672 W CHATTEL ST	FAYETTEVILLE, AR 72701	MEATHOUSE RD 25/8	223		MEATHOUSE 32.3 AC
NEW MILTON	6	13	24		PASCO THELMA JO & JAMES PAUL CHARLES ANTERO RESOURCES	P O BOX 309	ELLENBORO, WV 26346	NEW MILTON RT 25	WB43	508	MEATHOUSE 47.9 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: \_\_\_\_\_ 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

Dan Welby

DATE

02/06/2014

**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** \_\_\_\_\_

# THRASHER

February 6, 2014  
Mr. Dan Wellings  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456

**RE: *Doddridge County Location Improvement Permit  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline, Doddridge County, West Virginia  
Thrasher Group Project # 101-015-0170***

Mr. Wellings:

On behalf of Crestwood Marcellus Midstream 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 project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, WV and FIRM panel 235 of 325. The proposed area of interest (AOI) for the Swisher pipeline consists of a seventy-five foot (75') construction right-of-way (ROW) and contains approximately 5.21 acres. The proposed twelve inch (12") steel Swisher pipeline originates at the existing Swisher well pad located at approximately 39.210791, -80.665477. The pipeline extends 3,045 linear feet in a southeastern direction to the future Banner compressor station and terminus of the Swisher pipeline located at approximately 39.207770, -80.658473. Access to the proposed project will be obtained through existing previously constructed and permitted access roads.

The USGS topographical map and aerial imagery map contained herein depict the proposed limits of disturbance associated with the proposed construction. No above-ground or underground structures are proposed to be constructed within the 100 year flood plain. In addition, after construction, all material will be replaced to restore original elevation, slope and contour. Note that all required federal and state permit applications have been submitted for the project and are attached.

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) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).



**Crestwood Marcellus  
Midstream LLC**

**Swisher Pipeline**

**THRASHER GROUP, INC. PROJECT # 101-015-0170  
FRIM PANEL 235 OF 325**

**DODDRIDGE COUNTY LOCATION**

**IMPROVEMENT PERMIT**



February 2014

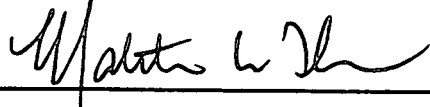


# 14-124  
Crestwood Marcellus Midstream  
Swisher Pipeline

# 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.
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8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE 

DATE 2/6/14

## SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

**IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.**

**APPLICANT'S NAME:** Crestwood Marcellus Midstream LLC.

**ADDRESS:** 801 Cherry Street, Suite 3800, Unit 20, 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 Boulevard, PO Box 940, Bridgeport WV 26330

**TELEPHONE NUMBER:** (800) 273-6541

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** \_\_\_\_\_

**DISTRICT:** \_\_\_\_\_

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** \_\_\_\_\_

**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) |
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**B. OTHER DEVELOPMENT ACTIVITIES:**

- Fill             Mining             Drilling             Pipelining
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- 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.
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**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): Matthew W Flaherty

SIGNATURE: [Signature] DATE: 2/6/14

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

**SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)**

**THE PROPOSED DEVELOPMENT:**

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: 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

*Dan Walker*

DATE

02/06/2014

**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:

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**SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)**

I have determined that the proposed activity (type is or is not) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County?  Yes  No  
Hearing Date: \_\_\_\_\_  
County Commission Decision - Approved  Yes  No

CONDITIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).**

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is \_\_\_\_\_ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is \_\_\_\_\_ FT. NGVD (MSL)

**Note: Any work performed prior to submittal of the above information is at risk of the applicant.**

**SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).**

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

**INSPECTIONS:**

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
DEFICIENCIES ? Y/N

COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).**

Certificate of Compliance issued: DATE: \_\_\_\_\_ BY: \_\_\_\_\_



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

**PERMIT NUMBER:** \_\_\_\_\_

**PERMIT DATE:** \_\_\_\_\_

**PURPOSE –**

**CONSTRUCTION LOCATION:** \_\_\_\_\_

**OWNER'S ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

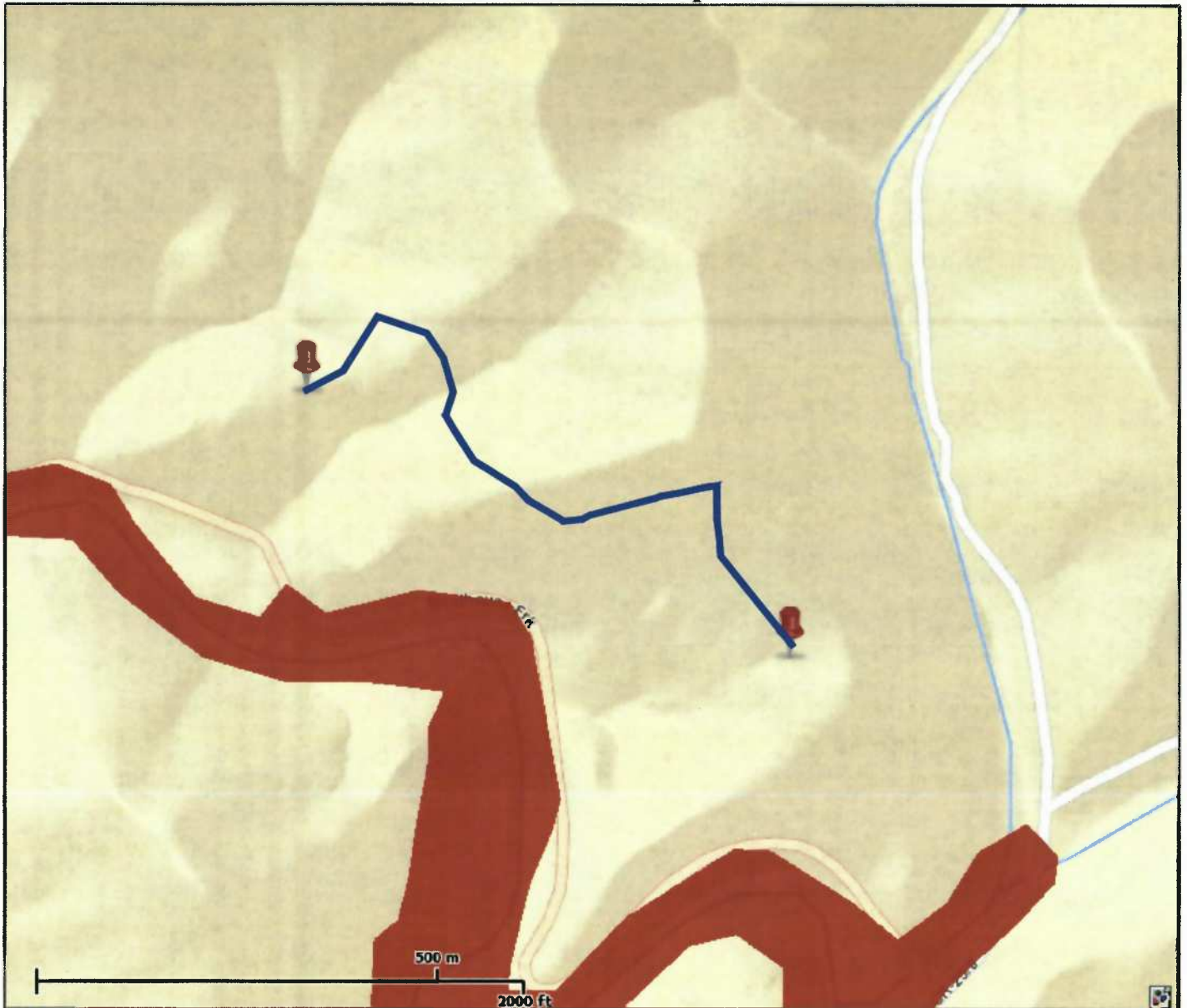
\_\_\_\_\_

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN  
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE  
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF  
DODDRIDGE COUNTY ON MAY 21, 2013.**

**SIGNED** \_\_\_\_\_ **DATE** \_\_\_\_\_

# WV Flood Map



Map Created on 2/6/2014



Location of the mouse click



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

## User Notes:

## Disclaimer:

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

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

**Flood Hazard Area:**

**Elevation:**

**Location (long, lat):**

**Location (UTM 17N):**

**FEMA Issued Flood Map:**

**Contacts:**

**CRS Information:**

**Parcel Number:**

# WV Flood Map



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 2/3/2014

	Location of the mouse click		Cross Section Line
	Approximate Study (Zone A)		Base Flood Elevation Line
	Detailed Study (Zone AE, AH, AO)		DFIRM Panel (Map) Index
	Floodway		
	Flood Water Depth (HEC-RAS)		

User Notes:

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

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

**Flood Hazard Area:** Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood hazard areas may be present.

**Advisory Flood Height:** N/A

**Water Depth:** N/A

**Elevation:** About 985 feet

**Location (long, lat):** 80.665925 W, 39.210639 N

**Location (UTM 17N):** (528842, 4340205)

**FEMA Issued Flood Map:** 54017C0235C

**Contacts:** Doddridge County

**CRS Information:** No CRS information available

**Flood Profile:** No Profile

**HEC-RAS Model:** No Model


**Parcel Number:**

# WV Flood Map



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 2/3/2014

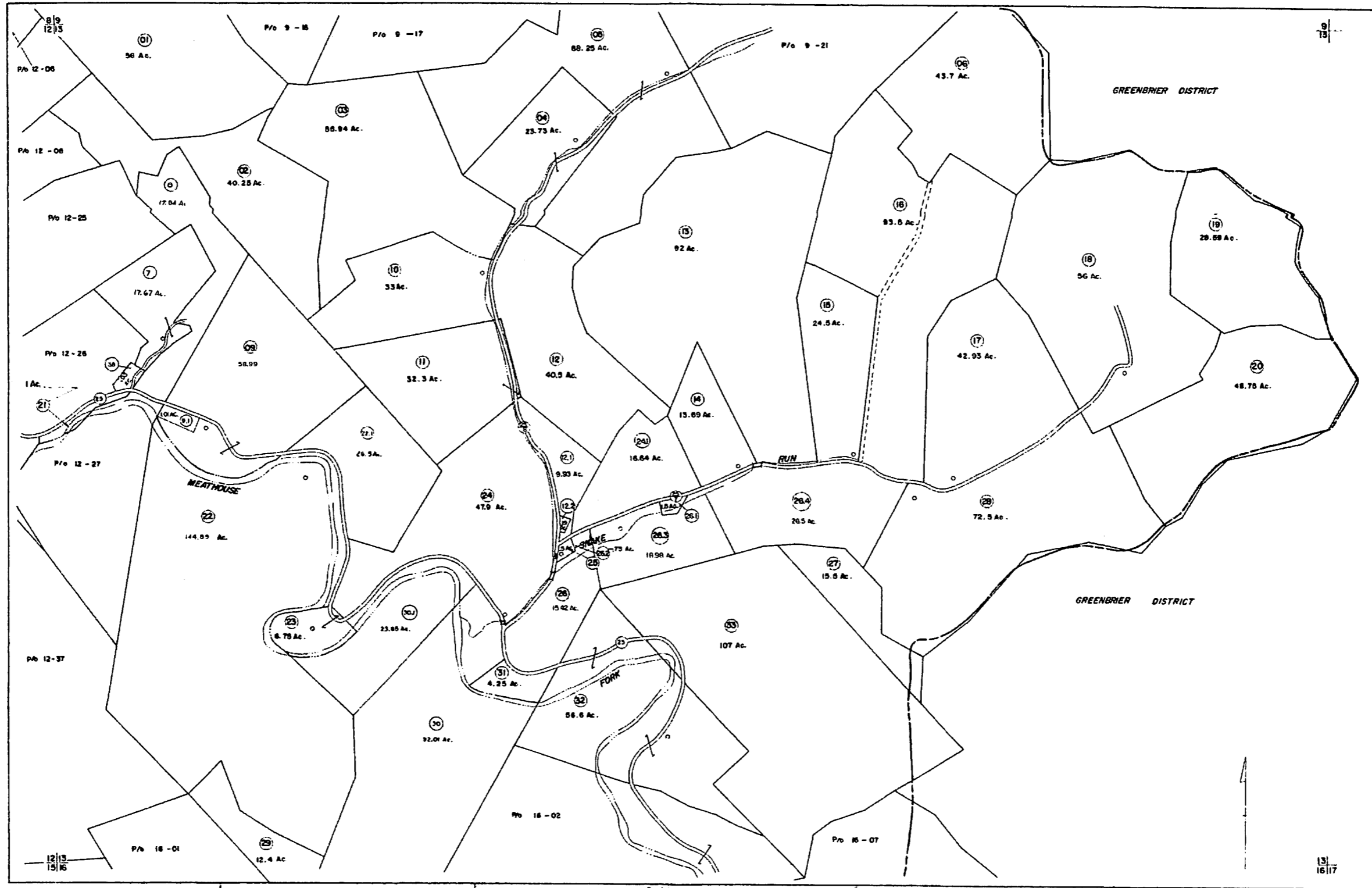
 Location of the mouse click

## User Notes:

## Disclaimer:

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

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



FOR TAX PURPOSES ONLY

Prepared by  
**I. ROBERT KIMBALL**  
 Consulting Engineer  
 Ebensburg, Pennsylvania

**Legend**

Proprietor line	---	Divided for tax	---
Edge of ground or water	---	Used for number in column	---
Concession line	---	Plotted as index number in map	---
District line	---	Impressment	---
County line	---	Survey	---

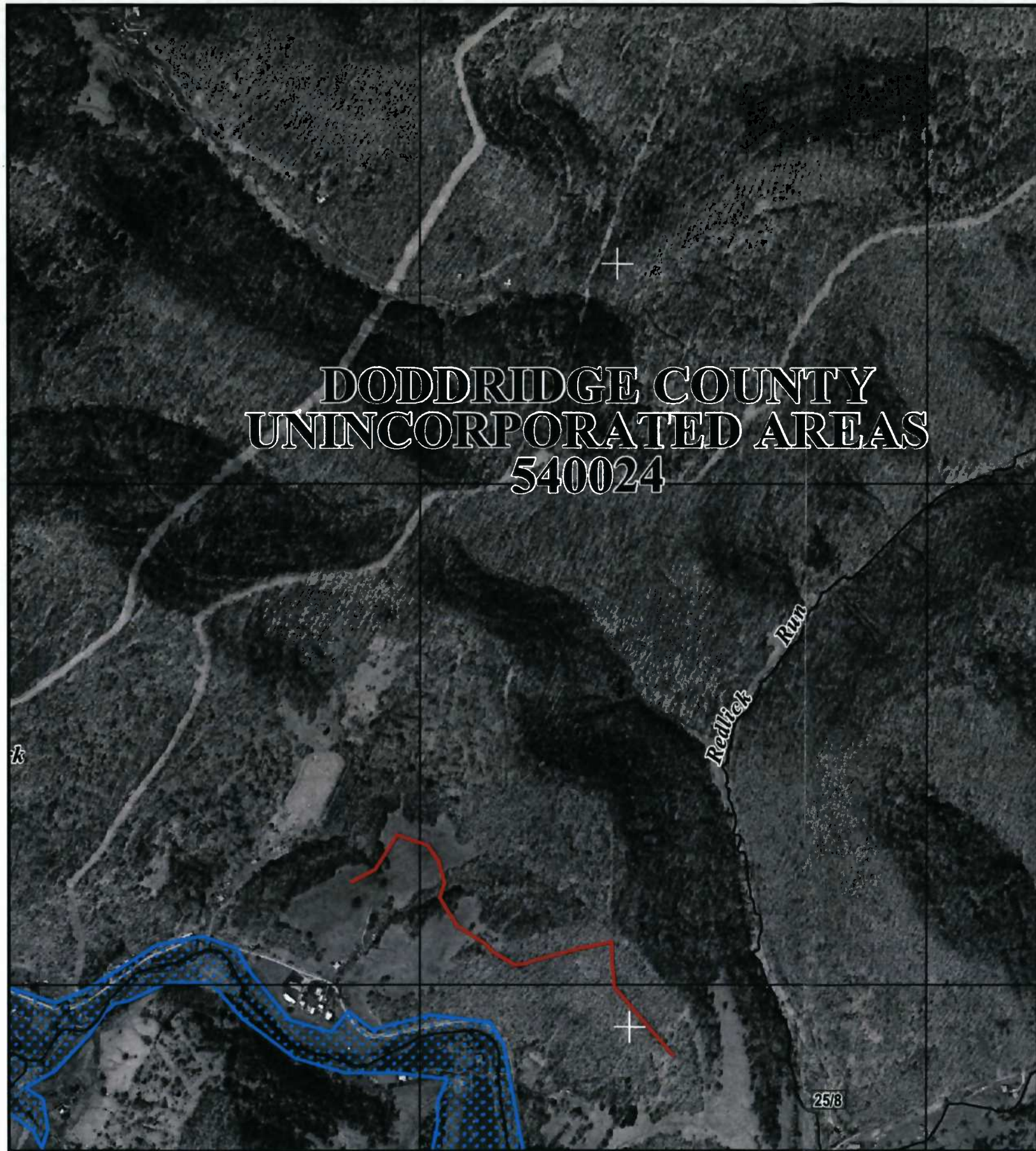
**Revisions**

1	REVISED 3/20/04	1	REVISION 3/03/00
2	REVISED 1/22/07	2	ES 3/27/05
3	REVISED 7/1/07	3	ES 2/28/02
4	REVISED 7/8/07	4	3/5/03
5	OGIS 12-31-96	5	4/8/07
6	OGIS 12-31-96	6	
7	OGIS 12-31-96	7	

STATE OF WEST VIRGINIA  
 DODDRIDGE COUNTY  
 Office of Assessor

NEW MILTON DISTRICT  
 SHEET 13

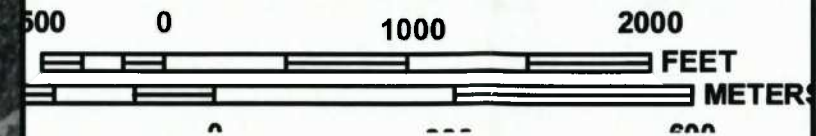
Date, Aerial Photography: APRIL, 1952 Date, Map: MAY, 1952  
 Photo No. 288,287 Scale: 1"=100'



**DODDRIDGE COUNTY  
UNINCORPORATED AREAS  
540024**



MAP SCALE 1" = 1000'



**NATIONAL FLOOD INSURANCE PROGRAM**

PANEL 0235C

**FIRM**

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

**PANEL 235 OF 325**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0235	C

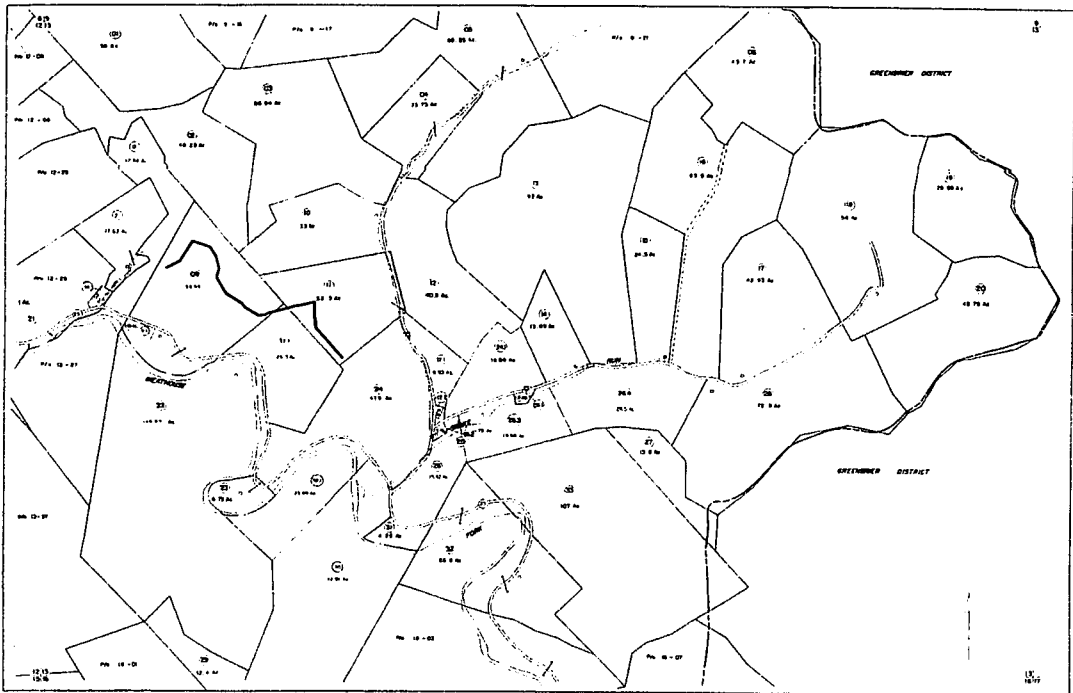
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER  
54017C0235C  
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](http://www.msc.fema.gov)



FOR TAX PURPOSES ONLY  
 COUNTY OF...  
 GREENBERY DISTRICT

Legend  
 1. POCKET PARCELS  
 2. ...  
 3. ...

Equities  
 ...  
 ...

Parcel No.	Acres	Value
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STATE OF WEST VIRGINIA  
 BOODRIDGE COUNTY  
 Office of Assessor

NEW MILTON DISTRICT  
 SHEET 13  
 Date: ...  
 By: ...

# THRASHER

January 17, 2014

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

**RE: *Project Review Request/Section 7  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline, Doddridge County, West Virginia  
Thrasher Group Project #101-015-0170***

To whom it may concern:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for Section 7 clearance for a proposed linear natural gas pipeline project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, West Virginia. The proposed Swisher pipeline project will involve the installation of a buried twelve (12) inch steel natural gas pipeline across approximately 3042.88 linear feet (LF) within a seventy-five (75) foot construction right-of-way (ROW). The proposed ROW contains approximately 5.21 acres. Additionally, the majority of the ROW is located within an existing and previously disturbed gas line ROW, currently utilized pasture and grazing land, and the limits of disturbance (LOD) associated with the Swisher well pad. The proposed pipeline originates at the existing Swisher well pad, located at 39.210791, -80.665477. Termination of the proposed pipeline will occur within the future LOD associated with the Banner Compressor Station, located at 39.207770, -80.658473.

Aquatic resources within the proposed AOI have been identified and delineated by Thrasher staff. Two (2) unnamed tributaries (UNT) of Meathouse Fork were found within or near the proposed AOI. UNT 1, an intermittent tributary of Meathouse Fork, shall be traversed utilizing open-cut/trench construction methods. Impacts to UNT 2, an ephemeral tributary to Meathouse Fork, will be avoided and Best Management Practices will be implemented to the aquatic resource to avoid potential impacts during construction. The attached delineation mapping depicts findings within the proposed AOI.

Of the 5.21 acres contained within the AOI, 3.57 acres are forested and timbering activities are expected to occur. As timber felling shall not exceed 17 acres, no adverse impacts to protected species or populations are anticipated. An estimated 123.40 acres are contained within a ¼ mile buffer associated with the proposed project AOI. An estimated total of 94.31 acres within the ¼ mile buffer are forested. After proposed construction, an estimated 90.74 acres will remain forested.

The USGS topographical map and aerial imagery map contained herein depict the proposed



USFWS

January 17, 2014

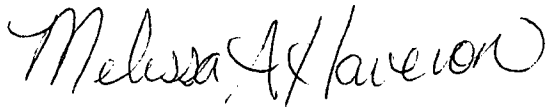
Page 2 of 2

pipeline location and route. The included photo log displays all aquatic resources within the AOI and typical habitat within the intended AOI. The CD included with this submittal contains Shapefiles depicting the extent of the construction ROW and a PDF copy of this submittal.

If any questions or concerns should arise please feel free to contact me at (304) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in cursive script that reads "Melissa A. Haveron".

Melissa A. Haveron  
Environmental Scientist

# THRASHER

January 20, 2014

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

**RE: *Stream Activity Application  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline  
Doddridge County, West Virginia  
Thrasher Project #101-015-0170***

Dear Mr. Scarberry:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request and stream activity permit application for a proposed linear natural gas pipeline project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, West Virginia. The proposed Swisher pipeline project will involve the installation of a buried twelve (12) inch steel natural gas pipeline across approximately 3042.88 linear feet (LF). The proposed right-of-way (ROW) contains approximately 5.21 acres. Additionally, the majority of the ROW is located within an existing and previously disturbed gas line ROW and the limits of disturbance (LOD) associated with the Swisher well pad. The proposed pipeline originates at the existing Swisher Pipeline, located at 39.210791, -80.665477. Termination of the proposed pipeline will occur within the future LOD associated with the Banner Compressor Station, located at 39.207770, -80.658473.

The USGS topographical map and aerial imagery map contained herein depict the proposed pipeline route and construction ROW. Two (2) unnamed tributaries (UNT) of Meathouse Fork were found within the proposed AOI. UNT 1, an intermittent tributary of Meathouse Fork, shall be traversed utilizing open-cut/trench construction methods. Impacts to UNT 2, an ephemeral tributary to Meathouse Fork, will be avoided and Best Management Practices will be implemented to the aquatic resource to avoid potential impacts during construction. The attached delineation mapping depicts all findings within the proposed AOI. The attached photograph log displays all aquatic resources identified within or near the ROW and typical habitat along the proposed ROW.

Native material removed during excavation and stream crossings will be side-cast and used for backfill. It is the intention of Thrasher and Crestwood to restore the proposed construction ROW to the original contour, slope, and grade by completion of the proposed project.

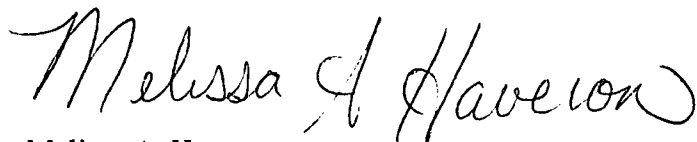
WVDNR OLS  
January 20, 2014  
Page 2 of 2

In addition, the West Virginia Erosion and Sediment Control Best Management Practice Manual 2006, issued by the WV Department of Environmental Protection, shall be utilized to implement erosion and sedimentation control measures before, during, and after the installation of the proposed pipeline.

If any further consultation or any questions may arise please feel free to contact me at your convenience at (304) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in cursive script that reads "Melissa A. Haveron".

Melissa A. Haveron  
Environmental Scientist

Enclosures

OFFICE OF LAND AND STREAMS  
STREAM ACTIVITY APPLICATION

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

2. Date: January 20, 2014

3. Complete mailing address of applicant: 801 Cherry Street, Suit 3800 Unit 20, Fort Worth, TX 76102

Telephone Number: (817) 339-5400

Fax Number: (817) 339-5540

E-Mail Address: dbutler@crestwoodlp.com

4. Name, address, telephone number, and title of applicant's authorized agent (i.e. contractor employed by landowner):  
Thrasher Group Inc. 600 White Oaks BLVD, PO Box 940 Bridgeport, WV 26330, (304) 624-7831 - Melissa Haveron - 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.

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request and stream activity permit application for a proposed linear pipeline project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, WV. The proposed Swisher pipeline project is approximately 3042.88 LF in length and will involve the installation of a twelve (12) inch steel natural gas pipeline. The proposed pipeline originates at the existing Swisher well pad, located at 39.210791, -80.665477. Termination of the proposed pipeline will occur at the future Banner Compressor Station, located at 39.207770, -80.658473.

During field investigations, two (2) streams and no wetlands were identified within or near the intended ROW. Of the two (2) streams identified, one stream (UNT 1) falls on the anticipated centerline and shall be traversed utilizing open-cut/trench construction methods. Please see Figure 4.

Native material will be removed during excavation, side-cast, and used for backfill. It is the intention of Thrasher and Crestwood to restore the proposed construction ROW to the original contour, slope, and grade by completion of the proposed project. Standard construction equipment, i.e. bulldozers, back hoes, will be utilized to complete the proposed project.

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

6. Please  the proposed use:  
Private: \_\_\_\_\_ Public: \_\_\_\_\_ Commerical:   
(person use) (Government Agency) (Business)

7. Location where proposed activity exists or will occur:  
1 UNT of Meathouse Fork  
Name of Water Way (if unnamed or unknown tributary, provide the stream that it flows into)  
Doddridge New Milton New Milton  
County District (taxable) Closest City or Town

8. Date activity is proposed to commence: February 24, 2014  
Date activity is expected to be complete: June 1, 2014

9. Is any portion of the activity for which authorization is sought now complete? Yes \_\_\_\_\_ No   
(If the answer is "Yes", give reasons in Section 5 including month and year the activity was completed)

10. Below is a list of entities that may require permits. Please list all approvals or certifications required by other Government Agencies for the above-described activity:

Issuing agency: Corps of Engineers – (304) 399-5710 (412) 395-7170 (412) 395-7157	Type of approval: <u>NWP-12</u>
Identification No.: _____	Date of approval: <u>N/A</u>
Issuing agency: County Commission Flood Plain Coordinator	Type of approval: <u>DCLIP</u>
Identification No.: _____	Date of approval: <u>N/A</u>
Issuing agency: City Government (if in City Limits the County isn't needed)	Type of approval: _____
Identification No.: _____	Date of approval: _____

11. Has any agency denied approval for the activity described herein? Yes \_\_\_\_\_ No   
(if "Yes", explain in Section 5 and/or attach a copy of the denial)

12: If activity is a pipeline construction (that is, gas, water, or sewer) give:  
Material pipeline is made of: steel - natural gas  
Size of Pipeline: 12 inch  
Maximum pressure of the pipeline: Maximum Anticipated Operating Pressure (MAOP) - 1440 psi  
Please provide the appropriate line number and if a Gathering or Well Line provide the A.P.I. Well Number:  
Transmission: \_\_\_\_\_ Distribution: \_\_\_\_\_ Gathering: \_\_\_\_\_ Well Line: X A.P.I Well Number: 017-06295

13: Application is hereby made for authorization to conduct the activities described herein. I certify that I am familiar with the information in this application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.

*Melissa A. Harrison - agent*  
Signature of Applicant or Agent

Office of Land and Streams  
Building 74, Room 200  
324 Fourth Avenue  
South Charleston, WV 25303  
Phone Number 304-558-3225  
Fax Number 304-558-6048

15-170  
Permit



Melissa Haveron  
copy invoice for Emmy

**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

January 22, 2014

RECEIVED

Division of Natural Resources  
**LICENSE AND RIGHT OF ENTRY**

JAN 29 2014

Re: P-14-VI/09-113

Crestwood Marcellus Midstream LLC,  
Don Butler  
c/o Thrasher Group Inc.  
Attention: Melissa Haveron  
600 White Oaks Blvd. PO Box 940  
Bridgeport, WV 26330-

Dear Mr. Butler:

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 twelve inch (12") steel natural gas pipeline along an unnamed tributary of Meathouse Fork, New Milton District, 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 1<sup>st</sup> through June 30<sup>th</sup>. Trout spawning season runs from October 1<sup>st</sup> through April 30<sup>th</sup>.
- 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 1<sup>st</sup> through June 30<sup>th</sup>. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.

Crestwood Marcellus Midstream LLC  
P-14-VI/09-113  
Page 2  
January 22, 2014

- Only ephemeral/intermittent streams that are dry can be trenched.

**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 \$175.00 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

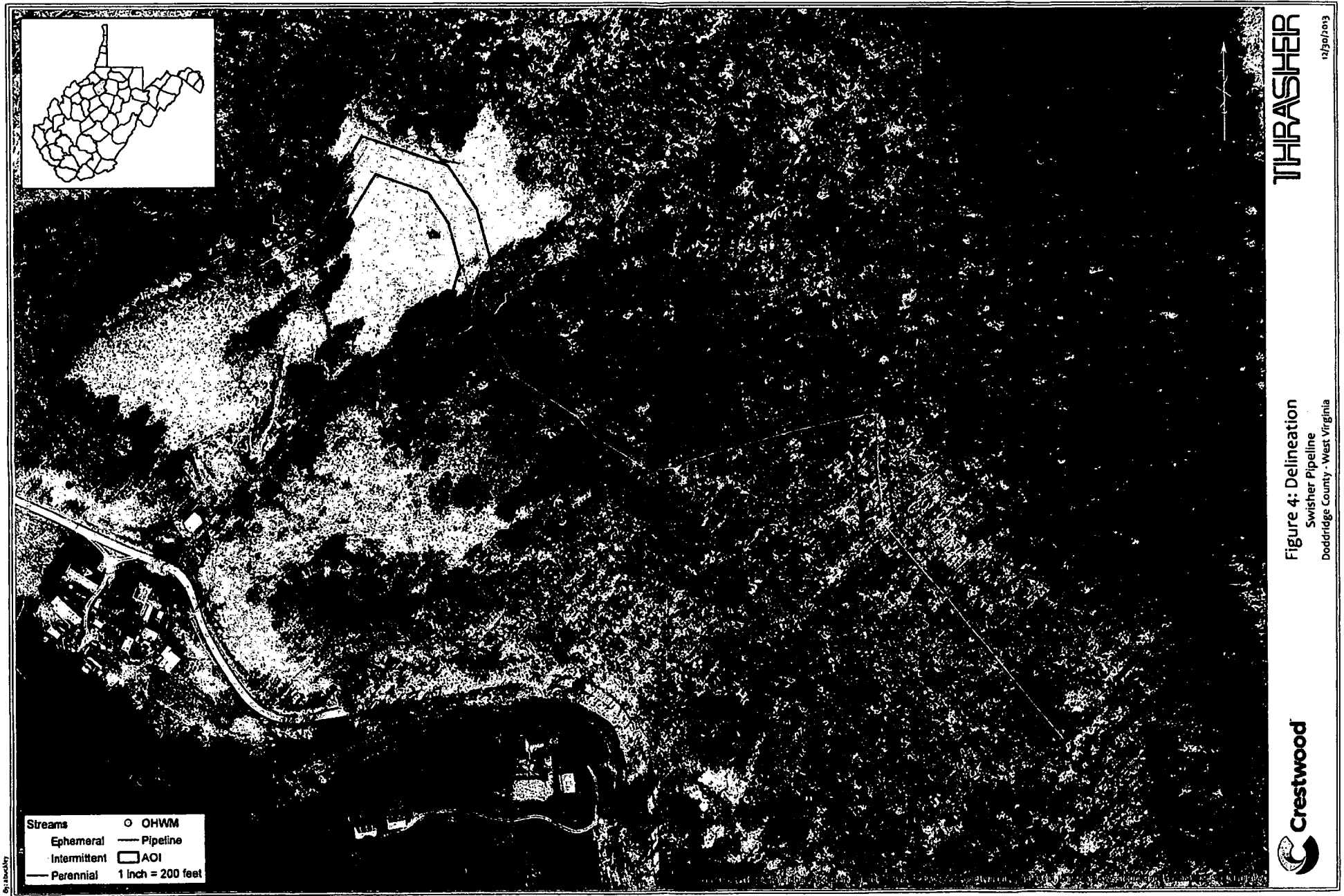
JTS:cb

attachment

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

Exhibit A

P-14-VI/09-113





# West Virginia Division of Natural Resources

## Invoice

Pay on-line at <http://wvdnr.gov/REM>

Invoice#: 20599

Comp. ID#: 5295

Bill Date: 01/27/2014

In  
Acct  
With

Crestwood Marcellus Midstream LLC  
801 Cherry Street  
Suite 3400, Unit 20  
Forth Worth, TX 76102

<u>AGREEMENT</u>	<u>INVOICE PERIOD</u>	<u>AMOUNT PAID</u>	<u>AMOUNT DUE</u>
<u>AGREEMENT DATED 1/22/2014</u> <u>P-14-VI/09-113</u> A twelve inch (12") steel natural gas pipeline, unnamed tributary of Meathouse Fork, Doddridge Co., WV	For 1/22/2014 to 1/22/2024 Land and Streams/DNR	\$0.00	\$175.00

**TOTAL INVOICE: \$175.00**

**NUMBER OF AGREEMENTS: 1**

**Please Reference Either Invoice Number or Agreement Re: on Payment**

WV Division of Natural Resources  
Office of Land & Streams  
324 Fourth Avenue, Room 200  
South Charleston, WV 25303

**IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT**

Nadine Hamilton (304) 558-3225  
[nadine.r.hamilton@wv.gov](mailto:nadine.r.hamilton@wv.gov)

# THRASHER

January 17, 2014

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: *Project Review Request  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline  
Doddridge County, West Virginia  
Thrasher Project #101-015-0170***

Dear Ms. Sargent:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for a proposed linear natural gas pipeline project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, West Virginia. The proposed Swisher pipeline project will involve the installation of a buried twelve (12) inch steel natural gas pipeline across approximately 3042.88 linear feet (LF) within a seventy-five (75) foot construction right-of-way (ROW). The proposed ROW contains approximately 5.21 acres. Additionally, the majority of the ROW is located within an existing and previously disturbed gas line ROW, currently utilized pasture and grazing land, and the limits of disturbance (LOD) associated with the Swisher well pad. The proposed pipeline originates at the existing Swisher well pad, located at 39.210791, -80.665477. Termination of the proposed pipeline will occur within the future LOD associated with the Banner Compressor Station, located at 39.207770, -80.658473.

Aquatic resources within the proposed AOI have been identified and delineated by Thrasher staff. Two (2) unnamed tributaries (UNT) of Meathouse Fork were found within the proposed AOI. UNT 1, an intermittent tributary of Meathouse Fork, shall be traversed utilizing open-cut/trench construction methods. Impacts to UNT 2, an ephemeral tributary to Meathouse Fork, will be avoided and Best Management Practices will be implemented to the aquatic resource to avoid potential impacts during construction. The attached delineation mapping depicts all findings within the proposed AOI. The attached photograph log depicts the above mentioned aquatic resources and typical habitat within the proposed ROW.

Native material removed during excavation will be side-cast, and used for backfill. It is the intention of Thrasher and Crestwood to restore the proposed construction ROW to the original contour, slope, and grade by completion of the Swisher pipeline project.


WVDNR RTE  
January 17, 2014  
Page 2 of 2

In addition, the West Virginia Erosion and Sediment Control Best Management Practice Manual 2006, issued by the WV Department of Environmental Protection, shall be utilized to implement erosion and sedimentation control measures before, during, and after the installation of the pipeline.

If any further consultation with your agency is required, or if any questions may arise please feel free to contact me at your convenience at (304) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).

Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in cursive script that reads "Melissa A. Haveron". The signature is written in black ink and is positioned below the typed name.

Melissa A. Haveron  
Environmental Scientist

Enclosure

# THRASHER

January 17, 2014

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  
Swisher Pipeline, Doddridge County, West Virginia  
Thrasher Project #101-015-0170***

Dear Ms. Pierce:

On behalf of Crestwood Marcellus Midstream LLC (Crestwood), Thrasher Group, Inc. (Thrasher) is submitting to your office a project review request for Section 106 clearance for a proposed linear natural gas pipeline project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, West Virginia. The proposed Swisher pipeline project will involve the installation of a buried twelve (12) inch steel natural gas pipeline across approximately 3042.88 linear feet (LF) within a seventy-five (75) foot construction right-of-way (ROW). The proposed ROW contains approximately 5.21 acres. Additionally, the majority of the ROW is located within an existing and previously disturbed gas line ROW, currently utilized pasture and grazing land, and the limits of disturbance (LOD) associated with the Swisher well pad. The proposed pipeline originates at the existing Swisher well pad, located at 39.210791, -80.665477. Termination of the proposed pipeline will occur within the future LOD associated with the Banner Compressor Station, located at 39.207770, -80.658473.

Aquatic resources within the proposed AOI have been identified and delineated by Thrasher staff. Two (2) unnamed tributaries (UNT) of Meathouse Fork were found within or near the proposed AOI. UNT 1, an intermittent tributary of Meathouse Fork, shall be traversed utilizing open-cut/trench construction methods. Impacts to UNT 2, an ephemeral tributary to Meathouse Fork, will be avoided and Best Management Practices will be implemented to the aquatic resource to avoid potential impacts during construction. The attached delineation mapping depicts all findings within the proposed AOI.

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

Ms. Pierce  
Page 2 of 2  
January 17, 2014

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

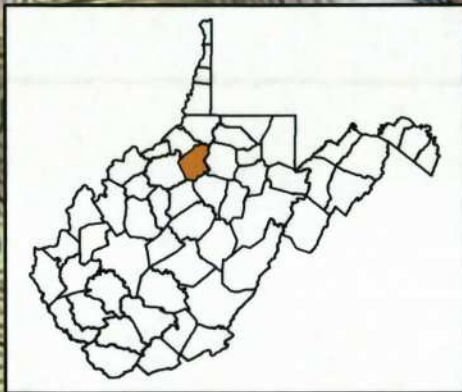
If any further consultation with your agency is required for this project, or if any questions may arise please feel free to contact me at your earliest convenience at (304) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).


Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in cursive script that reads "Melissa A. Haveron". The signature is written in black ink and is positioned above the printed name and title.

Melissa A. Haveron  
Environmental Scientist




 AOI  
 AOI: 5.21 acres  
 Quad: New Milton  
 1 inch = 1,000 feet

By: abuckley

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



By: abuckley

 NWI  
 AOI  
 1 inch = 200 feet

Note: NWI data is downloaded from the  
 US Fish & Wildlife website and used  
 without any edits or modifications.  
 There are no wetland areas near this  
 location according to this data.

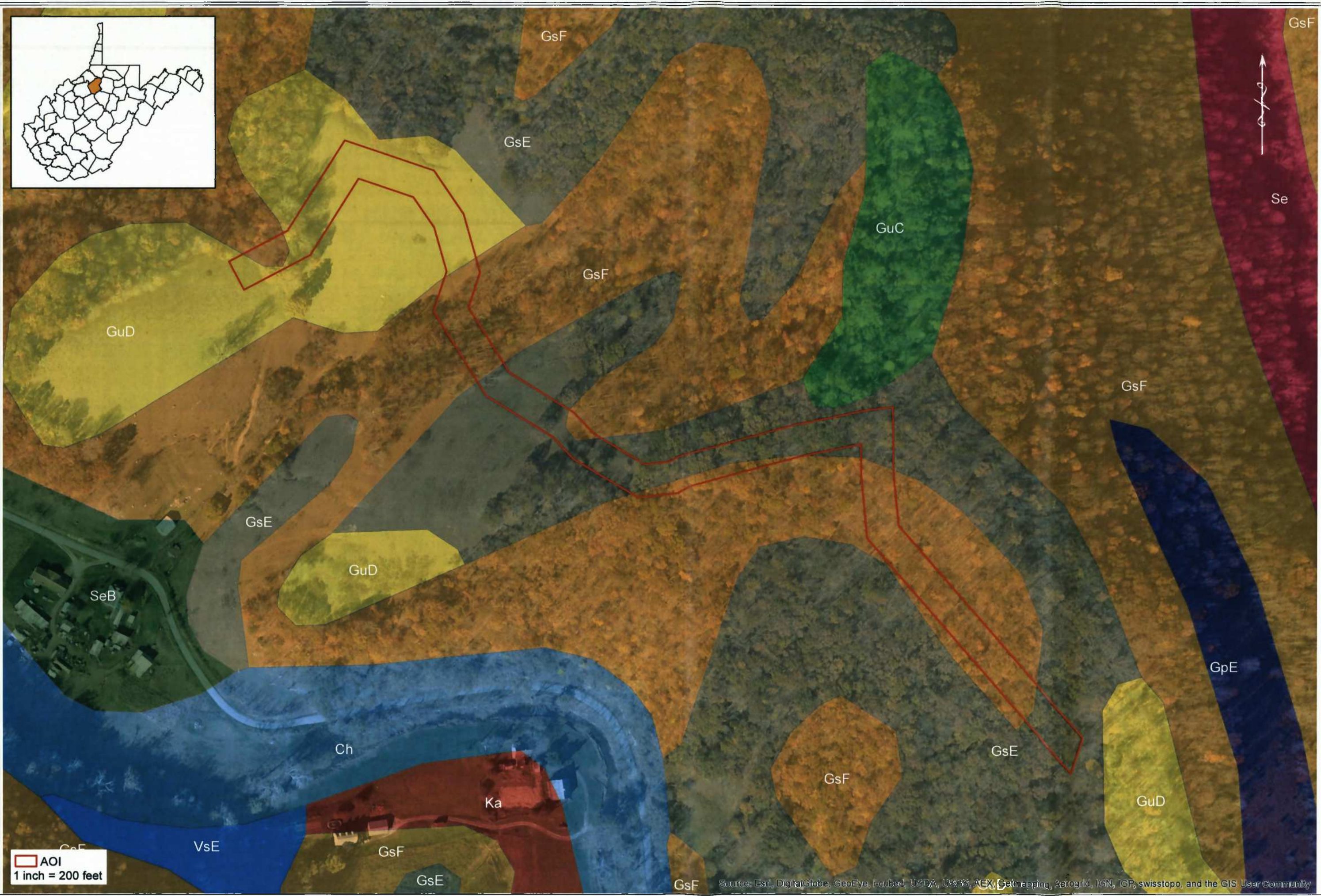
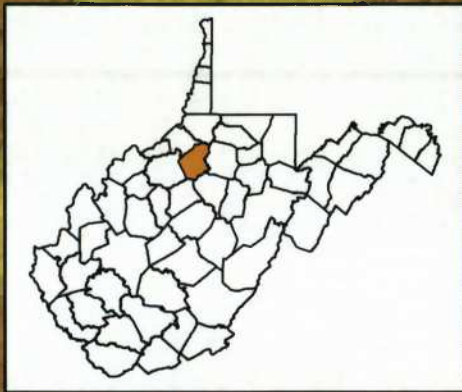
Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

THRASHER

12/30/2013



AOI  
1 inch = 200 feet



THRASHER

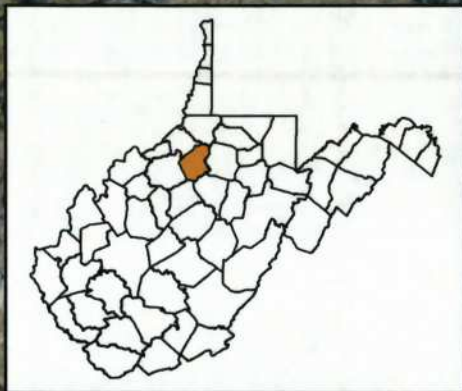
12/30/2013

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



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





Streams	● OHWM
— Ephemeral	— Pipeline
— Intermittent	□ AOI
— Perennial	1 inch = 200 feet

Figure 4: Delineation  
Swisher Pipeline  
Doddridge County - West Virginia

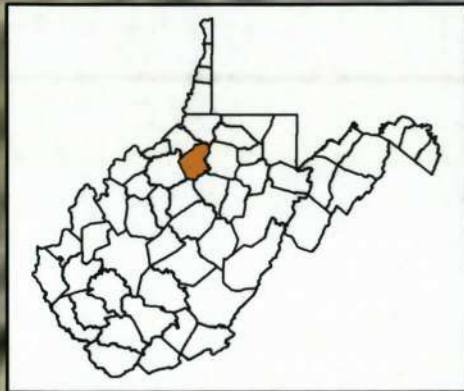


THRASHER

12/30/2013

By: abuckley

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



Under 20% Slope  
Over 20% Slope  
AOI  
1 inch = 200 feet

THRASHER

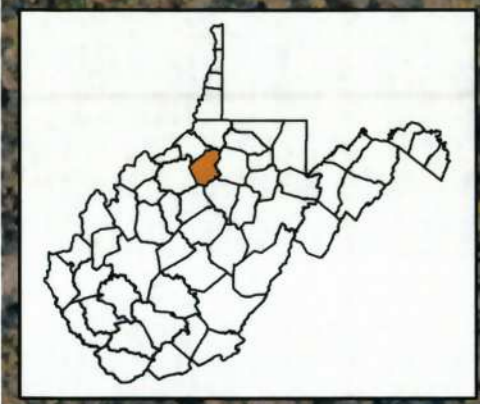
12/30/2013




Slope  
Swisher Pipeline  
Doddridge County - West Virginia



Copyright © 2013 National Geographic Society, i-cubed

By: abuckley



 1/4 Mile Buffer  
 Non-Forested Area  
 AOI  
 3.57 Forested Acres in AOI  
 94.31 Forested Acres in 1/4 Mile Buffer  
 1 inch = 300 feet

By: abuckley

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



Forested Acres  
Swisher Pipeline  
Doddridge County - West Virginia

THRASHER

12/30/2013



Dan Wellings <wellingsd8@gmail.com>

**CRESTWOOD SWISHER PIPELINE DC FLOODPLAIN PERMIT APP.**

1 message

Dan Wellings <wellingsd8@gmail.com>  
To: mhaveron@thrashereng.com

Wed, Feb 5, 2014 at 6:41 PM

Mathew,

I need some more info. on Thrasher Project # 101-015-0170, Crestwood Swisher Pipeline, Doddridge County Floodplain Permit application submitted.

1. Will the temporary access road or a temporary bridge for construction of the pipeline cross the floodplain.
2. All cover sheets for DC Floodplain Applications need to signed and sealed by licensed engineer.
3. All cover sheets should state what FIRM panel the project is located on.
4. Sign Confirmation Form located on page 5 of DC Floodplain Application Form.
5. Locate pipeline, from beginning to end, and the temporary access road for construction of the pipeline on the WV Flood Tool found on the WV state FEMA website.
6. Located pipeline on Tax Map.

Dan Wellings, PS  
Doddridge County Floodplain Manager

*Info submitted 02/06/2014  
DJM*

*NOT IN  
FLOODPLAIN*

# THRASHER

NOT IN FLOODPLAIN  
FILED

2014 FEB -4 PM 2:27

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

February 3, 2014  
Mr. Dan Wellings  
Doddridge County Commission  
118 East Court Street  
West Union, WV 26456

1

COVER SHEET SHOULD  
BE SIGNED + SEALED  
BY ENGINEER

**RE: Doddridge County Location Improvement Permit  
Crestwood Marcellus Midstream LLC  
Swisher Pipeline, Doddridge County, West Virginia  
Thrasher Group Project # 101-015-0170**

2

MARK PIPELINE  
BEGINNING TO END  
ON FLOOD TOOL & Tax  
LIKE FIRM Map

Mr. Wellings:

On behalf of Crestwood Marcellus Midstream 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 project in the USGS New Milton 7.5 minute quadrangle of Doddridge County, WV. The proposed area of interest (AOI) for the Swisher pipeline consists of a seventy-five foot (75') construction right-of-way (ROW) and contains approximately 5.21 acres. The proposed twelve inch (12") steel Swisher pipeline originates at the existing Swisher well pad located at approximately 39.210791, -80.665477. The pipeline extends 3,045 linear feet in a southeastern direction to the future Banner compressor station and terminus of the Swisher pipeline located at approximately 39.207770, -80.658473.

The USGS topographical map and aerial imagery map contained herein depict the proposed limits of disturbance associated with the proposed construction. No above-ground or underground structures are proposed to be constructed within the 100 year flood plain. In addition, after construction, all material will be replaced to restore original elevation, slope and contour. Note that all required federal and state permit applications have been submitted for the project and are attached.

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) 205-8818 or [mhaveron@thrashereng.com](mailto:mhaveron@thrashereng.com).

Mathew Fleharty Engineer  
(3) FIRM #  
(4) Sign Confirmation Form Page 5