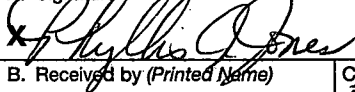


**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- 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.

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature



- 
- Agent
- 
- 
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

5-16-17

address different from item 1?  Yes  
 or delivery address below:  No

**Arbee R & Phyllis A Jones**  
**109 River Road**  
**West Union, WV 26456**

17-467



9590 9402 2016 6123 8111 20

2. Article Number (Transfer from service label)

**3. Service Type**

- |  |   |
|--|---|
| <input type="checkbox"/> Adult Signature                               | <input type="checkbox"/> Priority Mail Express®                     |
| <input type="checkbox"/> Adult Signature Restricted Delivery           | <input type="checkbox"/> Registered Mail™                           |
| <input type="checkbox"/> Certified Mail®                               | <input type="checkbox"/> Registered Mail Restricted Delivery        |
| <input type="checkbox"/> Certified Mail Restricted Delivery            | <input type="checkbox"/> Return Receipt for Merchandise             |
| <input type="checkbox"/> Collect on Delivery                           | <input type="checkbox"/> Signature Confirmation™                    |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery       | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail                                  |   |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) |   |

USPS TRACKING #



9590 9402 2016 6123 8111 20



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

United States  
Postal Service

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

George Eidel  
Doddridge County OEM/CFM  
108 Court St. Ste 1  
West Union, WV 26456

17-467



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- 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.

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 X *Mary Jansched*  Agent  Addressee

B. Received by (Printed Name)  
*Mary Jansched*

C. Date of Delivery  
*5-18-17*

Address different from item 1?  Yes  
 or delivery address below:  No

Hileman Edna Madeline Life  
 5071 Grove Summers Rd.  
 West Union, WV 26456

17-467



9590 9402 2016 6123 8111 13

2. Article Number (Transfer from service label)

3. Service Type
- Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Insured Mail
  - Insured Mail Restricted Delivery (over \$500)
  - Priority Mail Express®
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

Domestic Return Receipt

PS Form 3811, July 2015 PSN 7530-02-000-9053

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)  
 WEST UNION WV 26456

Certified Mail Fee  
 \$ 3.35 \$3.35

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.00

Return Receipt (electronic) \$ 0.00

Certified Mail Restricted Delivery \$ 0.00

Adult Signature Required \$ 0.00

Adult Signature Restricted Delivery \$ 0.00

Postage  
 \$ .49 \$0.49

Total Postage and Fees  
 \$ 6.59 \$6.59

Sent To  
 17-467

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

0532  
 04

Postmark  
 Here

05/12/2017

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

WEST UNION WV 26456

Certified Mail Fee  
 \$ 3.35 \$3.35

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.00

Return Receipt (electronic) \$ 0.00

Certified Mail Restricted Delivery \$ 0.00

Adult Signature Required \$ 0.00

Adult Signature Restricted Delivery \$ 0.00

Postage  
 \$ .49 \$0.49

Total Postage and Fees  
 \$ 6.59 \$6.59

Sent To  
 17-467

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

0532  
 04

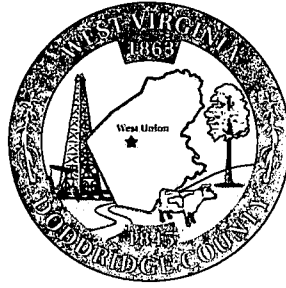
Postmark  
 Here

05/12/2017

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 3430 0001 1569 7514

7251 695T 1569 7521



# Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit gives approval for the development/ project listed that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible, and must remain posted during entirety of development.

**Permit #: 17-467**  
**MOSA-S021**

**Date Approved: June 5, 2017**

**Expires: June 5, 2018**

**Issued to: EQM Gathering OpCo, LLC**

**POC: Cory Chalmers - 304-848-0061**

**Company Address: 120 professional Place, Building II**  
**Bridgeport, WV. 26330**

**Project Address: Town of Summers**

**Firm: 54017C0225C**

**Lat/Long: 39.152320, -80.813198**

**Purpose of development: MOSA-S021, area of cathodic protection**

**Issued by: George C. Eidel, Doddridge County FPM (or designee)**

**Date: June 5, 2017**

---

For additional information regarding this permit, please contact  
Doddridge County Floodplain Manager at 304.873.2631, or via email at  
doddridgecountyfpm@gmail.com  
118 East Court Street; West Union, WV 26456

---



**ENVIRONMENTAL SOLUTIONS & INNOVATIONS, INC.**

4525 ESTE AVE. • (513) 451-1777  
CINCINNATI, OH 45232

**Stock Yards**  
Bank & Trust  
21-56/830

EMV® Check Fraud Protection for Business

CHECK DATE **May 8, 2017**

**COPY**

PAY Five Hundred and 00/100 Dollars

AMOUNT 500.00

TO Doddridge County Commission



*[Handwritten Signature]*  
AUTHORIZED SIGNATURE

Security features. Details on back.

*FLOODPLAIN PERMIT APPLICATION*

⑈004142⑈ ⑆083000564⑆

⑈1769952⑈

**ENVIRONMENTAL SOLUTIONS & INNOVATIONS, INC.**

Check Date: 5/8/2017

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
2017 Permit	5/8/2017	000000003326	500.00			500.00
Doddridge County Commission		TOTAL	500.00			500.00
Stock Yards Checking	1	DODDRIDGE				

#17-467

EQM Gathering OpCo, LLC

**COPY**

# Doddridge County, West Virginia

RECEIPT NO: 9072

DATE: 2017/05/12

FROM: ENVIRONMENTAL SOLUTIONS

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: #17-467 EQM GATHERING OPCO, LLC

00000004142 FP-BUILDING PERMITS

020-318

TOTAL: \$500.00

MICHAEL HEADLEY  
SHERIFF & TREASURER

MEC  
CLERK

Customer Copy

ENVIRONMENTAL SOLUTIONS & INNOVATIONS, INC.

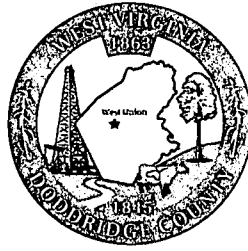
4142

Check Date: 5/8/2017

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
2017 Permit	5/8/2017	000000003326	500.00			500.00
Doddridge County Commission		TOTAL	500.00			500.00
Stock Yards Checking 1		DODDRIDGE				

#17-467

EQM Gathering OpCo, LLC



## **Doddridge County Floodplain Permits**

(Week of May 16, 2017)

Please take notice that on the **10th** day of **May 2017**, **EQM Gathering OpCo, LLC** filed an application for a Floodplain Permit **#17-467** to develop land located at or about **39.152320, -80.813198**, the town of **Summers**. 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 **June 5, 2017** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Clerk of the County Court at 108 Court Street Ste. 1, West Union, WV 26456. **This project is MOSA-S021, area of cathodic protection.**



Permit# 17-467  
Project Name: MOSA-5021  
Permittees Name: EQM Gathering  
OpCo, LLC

## ***Doddridge County, WV***

# Floodplain Development Permit Application

MAY10 17 5:25PM

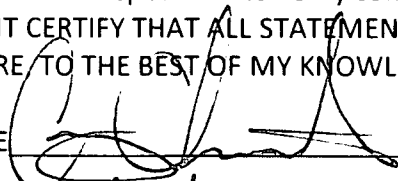
This document is to be used for projects that impact/potentially impact the FEMA---designated floodplain and/or floodway of Doddridge County, WV pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance.

### 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

  
4/26/2017



Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Applicant Information:**

*Please provide all pertinent data.*

<b>Applicant Information</b>		
<b>Responsible Company Name:</b> EQM Gathering OPCO, LLC		
<b>Corporate Mailing Address:</b> 120 Professional Place, Building II		
<b>City:</b> Bridgeport	<b>State:</b> WV	<b>Zip:</b> 26330
<b>Corporate Point of Contact (POC):</b> Cory Chalmers		
<b>Corporate POC Title:</b>		
<b>Corporate POC Primary Phone:</b> (304) 848-0061		
<b>Corporate POC Primary Email:</b> CChalmers@eqt.com		
<b>Corporate FEIN:</b>	<b>Corporate DUNS:</b>	
<b>Corporate Website:</b>		
<b>Local Mailing Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Local Project Manager (PM):</b>		
<b>Local PM Primary Phone:</b>		
<b>Local PM Secondary Phone:</b>		
<b>Local PM Primary Email:</b>		
<b>Person Filing Application:</b> Michael Wellman		
<b>Applicant Title:</b> Manager, Environmental Solutions & Innovations		
<b>Applicant Primary Phone:</b> 513-591-4327		
<b>Applicant Secondary Phone:</b>		
<b>Applicant Primary Email:</b> mwellman@envsi.com		

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Project Narrative:**

*Describe in detail the proposed development including project name/title, type of development, estimated start and completion timeline, and its potential impact on the floodplain. Use additional copies of this page as needed.*

**Project Narrative:**

EQM Gathering OPCO, LLC (EQM) proposes construction of the approximately 0.6-mile MOSA S021 pipeline, associated access roads, and staging areas (Figure 1; Project). The Project extends from 39.160425°, -80.80134° to 39.157115°, -80.79402° in the Town of Summers, Doddridge County, West Virginia. Approximately 0.6 acre of the Project Limits of Disturbance (LOD), consisting of an area used for cathodic protection, is within a FEMA-designated floodplain (Figure 2). This area consists of a cable and a pole installed underground. The area will be restored to existing grade and floodplain impacts will be minimal. The estimated start of construction is 1 July 2017. The estimated completion time is 1 May 2018.

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Proposed Development:**

*Please check all elements of the proposed project that apply.*

**DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)**

**A. STRUCTURAL DEVELOPMENT**

<u>ACTIVITY</u>	<u>STRUCTURAL TYPE</u>
<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 Alteration (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)

Approximately 0.6 acre of the Project is within a FEMA-designated floodplain. The area  
will be used for cathodic protection and consists of the installation of a cable and a  
pipe in the ground. Impacts to the floodplain are minimal.

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Development Site/Property Information:**

*Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)*

**Property Designation:** 1 of 1

<b>Site/Property Information:</b>		
<b>Legal Description:</b> MOSA S021 Pipeline Project - Area of Cathodic Protection		
<b>Physical Address/911 Address:</b>		
<b>Decimal Latitude/Longitude:</b> 39.152320°, -80.813198°		
<b>DMS Latitude/Longitude:</b>		
<b>District:</b> West Union	<b>Map:</b>	<b>Parcel:</b> 07-13-69
<b>Land Book Description:</b>		
<b>Deed Book Reference:</b>		
<b>Tax Map Reference:</b>		
<b>Existing Buildings/Use of Property:</b>		

<b>Floodplain Location Data: (to be completed by Floodplain Manager or designee)</b>			
<b>Community:</b>	<b>Number:</b>	<b>Panel:</b>	<b>Suffix:</b>
<b>Location (Lat/Long):</b>		<b>Approximate Elevation:</b>	
		<b>Estimated BFE:</b>	
<b>Is the development in the floodway?</b>		<b>Is the development in the floodplain?</b>	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No <b>Zone:</b> _____	
<b>Notes:</b>			

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Property Owner Data:**

*Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.*

<b>Property Designation:</b> <u>1</u> of <u>1</u>
---

<b>Property Owner Data:</b>		
<b>Name of Primary Owner (PO):</b> HILEMAN EDNA MADELINE LIFE		
<b>PO Address:</b> Route 19		
<b>City:</b> West Union	<b>State:</b> WV	<b>Zip:</b> 26456
<b>PO Primary Phone:</b> 7015 3430 0001 1569 7514		
<b>PO Secondary Phone:</b>		
<b>PO Primary Email:</b> 5071 Grove Summers Rd West Union WV 26456		

<b>Surface Rights Owner Data:</b>		
<b>Name of Primary Owner (PO):</b>		
<b>PO Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>PO Primary Phone:</b>		
<b>PO Secondary Phone:</b>		
<b>PO Primary Email:</b>		

<b>Mineral Rights Owner Data: (As Applicable)</b>		
<b>Name of Primary Owner (PO):</b>		
<b>PO Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>PO Primary Phone:</b>		
<b>PO Secondary Phone:</b>		
<b>PO Primary Email:</b>		

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Contractor Data:**

*Please provide all pertinent data for contractors and sub---contractors that may be participating in this project. Use additional copies of this page as needed. Designate each page in relation to each property listed above.*

**Property Designation:** 1 of 1

<b>Contractor/Sub-Contractor (C/SC) Information:</b>		
C/SC Company Name:		
C/SC WV License Number: WV License # - 19444		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC):		
Local C/SC POC Title:		
C/SC Mailing Address:		
City:	State:	Zip-Code:
Local C/SC Office Phone:		
Local C/SC POC Phone:		
Local C/SC POC E-Mail:		

<b>Engineer Firm Information:</b>		
Engineer Firm Name: Environmental Solutions & Innovations, Inc. (ESI)		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): Michael Wellman		
Engineer Firm Primary POC Title: Manager		
Engineer Firm Mailing Address: 3425 Kent Road		
City: Stow	State: OH	Zip-Code: 44224
Engineer Firm Office Phone: 513-591-4327		
Engineer Firm Primary POC Phone:		
Engineer Firm Primary POC E-Mail: mwellman@envsi.com		

### Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

<b>Adjacent Property Owner Data: Upstream</b>		
Name of Primary Owner (PO): HILEMAN EDNA MADELINE LIFE		
Physical Address: Route 19		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

<b>Adjacent Property Owner Data: Upstream</b>		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

2

<b>Adjacent Property Owner Data: Downstream</b>		
Name of Primary Owner (PO): JONES ARBEE R & PHYLLIS A		
Physical Address: Route 19 109 River Run Rd West Union 26456		
City: New Milton	State: WV	Zip: 26411
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email: 7015 3430 0001 1569 7521		

<b>Adjacent Property Owner Data: Downstream</b>		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

## Site Plan

**A Site Plan is an accurate and detailed map of the proposed development for this project.** It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. **A certified and licensed engineering firm should complete site plans.**

### **A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:**

1. Legal description of the parcel, north arrow and scale
2. All property lines and their dimensions
3. Names of adjacent roads, location of driveways
4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
6. Location and dimensions of existing or proposed on-site sewage systems.
7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
9. Location and dimensions of any roadway development into floodplain/floodway. *(Includes initial development access roads)*
10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
12. Location of any existing utilities and/or proposed utility placement and/or displacement.
13. Location, dimensions and depth of any existing or proposed fill on site.
14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE:** All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.



## Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have been properly attained, are current and valid, and must be presented with this application before a Doddridge County Floodplain Permit may be issued.
- I understand that if in the course of the development project additional permits become required that were not needed during the initial proposal, the primary developer must notify the Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work" order may be issued for all project work directly impacting the floodplain or floodway, until such time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into official public record at the next regularly scheduled Doddridge County Commission meeting after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the Doddridge County Floodplain Manager has ninety (90) days to make a determination to either grant or deny said permit application. During this approval period, the Doddridge County Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of provided documentation by means of an independent engineering firm. All costs associated with said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager of designee may at his or her discretion conduct site visits and document conditions of proposed development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official public record at the next scheduled Doddridge County Commission meeting after the date of issuance. Appeals to the permit may be made no later than twenty (20) days after said issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain Manager, a "Stop Work" order will be issued for all project development directly involving the floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be scheduled no less than ten (10) days after the next regularly scheduled Doddridge County Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- **I understand issuance of a Floodplain Permit authorizes me to proceed with construction as proposed. A Certificate of Compliance is required upon substantial completion of the project.**
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain Manager or designee the right to enter onto the above---described location to inspect the development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site---plan submitted and approved by this permit that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Applicant Printed Name: \_\_\_\_\_

# WV Flood Map



or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

- Cross Section (XS) Lines
- Base Flood Elevation (BFE) Lines
- Floodway
- Flood Hazard Zone**
- Approximate Study (Zone A)
- Detailed Study (AE, AH, AO)
- High : 134.442
- Low : -7.71759

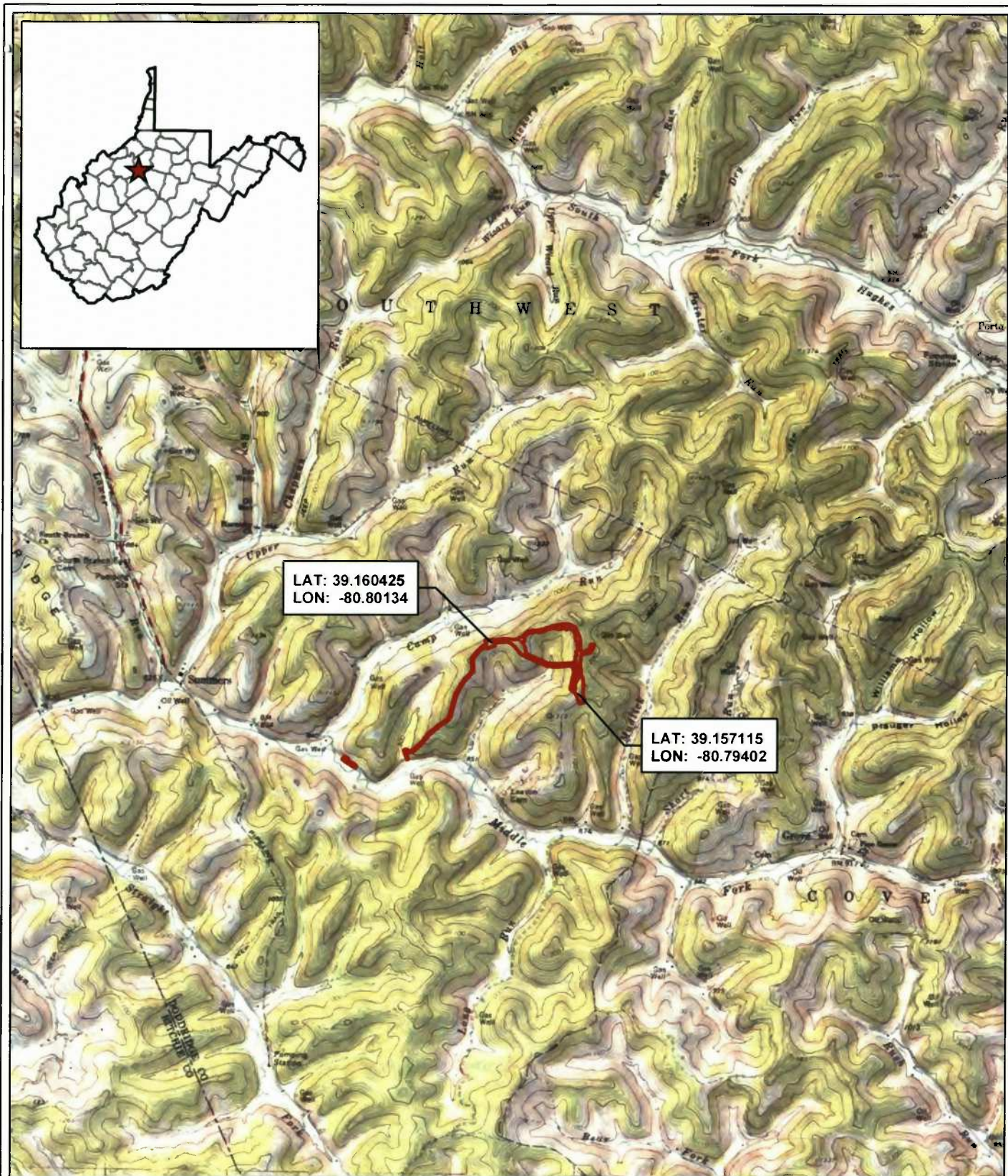
Location of flood information  
User Notes:

Map created on May 11, 2017

<b>Flood Hazard Area:</b> Flood Hazard Area: Location is WITHIN the FEMA 100-year floodplain.	
<b>Flood Hazard Zone:</b>	A (Advisory A)
<b>Stream:</b>	Middle Fork
<b>FEMA Issued Flood Map:</b>	54017C0225C
<b>Watershed (HUC8):</b>	Little Kanawha (5030203)
<b>Advisory Flood Height:</b>	About 833 ft
<b>Water Depth:</b>	About 5.2 ft (Source: HEC-RAS)
<b>Elevation:</b>	About 827 ft
<b>Location (long, lat):</b>	(80.813195 W, 39.152212 N)
<b>Location (UTM 17N):</b>	(516141, 4333684)
<b>Contacts:</b>	Doddridge
<b>CRS Information:</b>	N/A
<b>Flood Profile:</b>	N/A
<b>HEC-RAS Model:</b>	Middle Fork
<b>Parcel Number:</b>	No Parcel

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





 Limits of Disturbance (LOD)

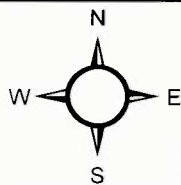


Figure 1. Location of MOSA S021 in Doddridge County, West Virginia

Project No. 945

0 0.5 1  
 Mile  
 Base Map: USGS Topographic Map










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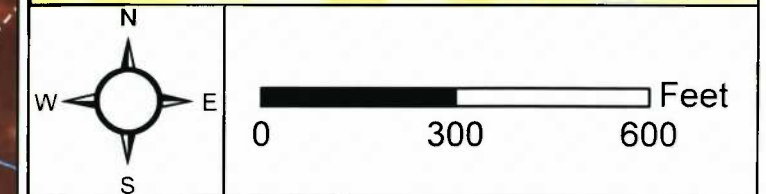
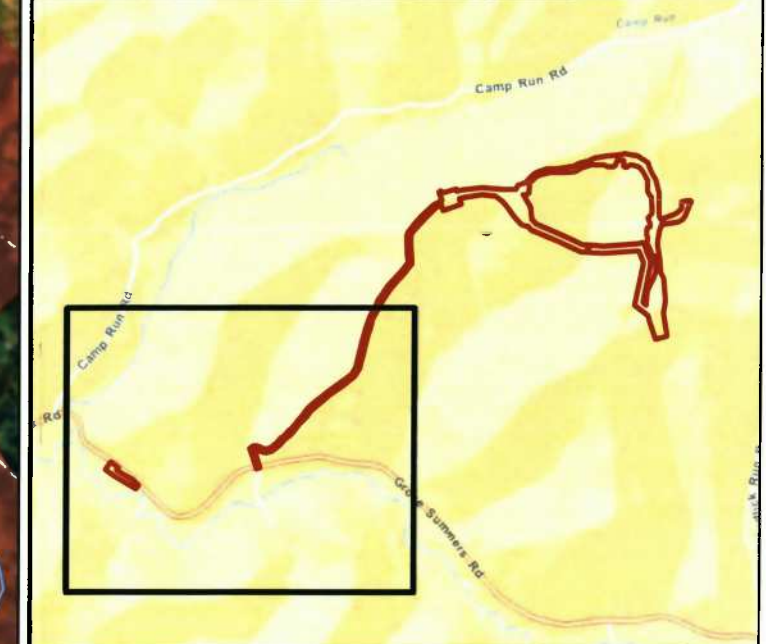


Site Plan for the MOSA S021 Pipeline in Doddridge County, West Virginia



-  Access Road
-  Stream
-  Field-Delineated Stream Centerline
-  Field-Delineated Stream
-  FEMA 100-Year Flood Zone
-  Limits of Disturbance (LOD)
-  Parcel Boundary

Note: Existing buildings, roadways, utilities and other structures are visible on this aerial photo taken in 2014.



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