



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: #17-479

Date Approved: September 25, 2017

Expires: September 25, 2018

Issued to: Mark West Liberty Midstreams

POC: Richard Lowry

Company Address: 4600 J. Barry Court, Suite 500 Canonsburg, PA 15317

Project Address: 4600 J. Barry Court, Suite 500 Canonsburg, PA 15317

Firm: 54017C0145C

Lat/Long: 39.266655N, -80.658362W

Purpose of Development: Access road ad pipeline for Sherwood to Momentum Pipeline project.

Issued by: George C. Eidel, CFM, OEM, Director/Doddridge County FPM (or designee)

Date: September 25, 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

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.

1. Article Addressed to:

Daniel K. and Lisa A. Jozwick
1185 Greenbrier Road
Salem, WV 26426



2. Article Number (Transfer from service label)

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name) *[Signature]* C. Date of Delivery

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

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

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.

1. Article Addressed to:

Roberta J. Martin
38 Hide Away Lane
Salem, WV 26426



2. Article Number (Transfer from service label)

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name) *[Signature]* C. Date of Delivery *8/25/17*

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

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

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.

1. Article Addressed to:

Guss Kelley, ET UX
1185 Greenbrier Road
Salem, WV 26426



2. Article Number (Transfer from service label)

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name) C. Date of Delivery *9/17*

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

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

6009 695T 1569 8009
7015 3430 0001 1569 8009
7015 3430 0001 1569 8009

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

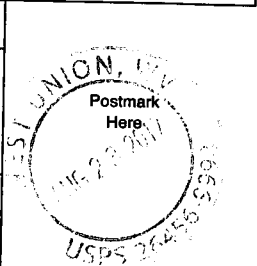
For delivery information, visit our website at www.usps.com.
OFFICIAL USE

Certified Mail Fee
\$ **3.35**

Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$ **2.95**
 Return Receipt (electronic) \$ _____
 Certified Mail Restricted Delivery \$ _____
 Adult Signature Required \$ _____
 Adult Signature Restricted Delivery \$ _____

Postage
\$ **.49**

Total Postage and Fees
\$ **6.59**



Sent To **Guss Kelley, ET ux**
Street and Apt. No., or PO Box No.
1185 Greenbrier Rd.
City, State, ZIP+4®
Salem, WV 26426 17-479
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

9108 695T 1569 8009
7015 3430 0001 1569 8009
7015 3430 0001 1569 8009

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

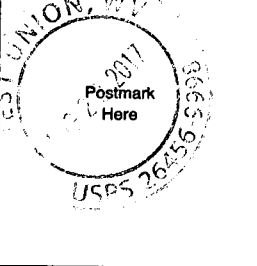
For delivery information, visit our website at www.usps.com.
OFFICIAL USE

Certified Mail Fee
\$ **3.35**

Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$ **2.95**
 Return Receipt (electronic) \$ _____
 Certified Mail Restricted Delivery \$ _____
 Adult Signature Required \$ _____
 Adult Signature Restricted Delivery \$ _____

Postage
\$ **.49**

Total Postage and Fees
\$ **6.59**



Sent To **Daniel K. & Lisa A Jozwick**
Street and Apt. No., or PO Box No.
1185 Greenbrier Rd.
City, State, ZIP+4®
Salem, WV 26456 17-479
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

6962 695T 1569 8009
7015 3430 0001 1569 8009
7015 3430 0001 1569 8009

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

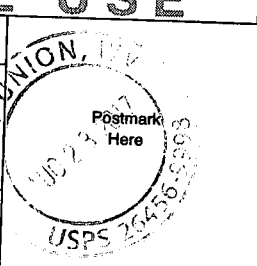
For delivery information, visit our website at www.usps.com.
OFFICIAL USE

Certified Mail Fee
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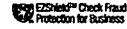
Sent To **Roberta J. Martin**
Street and Apt. No., or PO Box No.
38 Hide Away Ln.
City, State, ZIP+4®
Salem, WV 26426 17-479
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

132662

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

333 BALDWIN ROAD
PITTSBURGH, PA 15205
(412) 429-2324

PNC BANK, N.A.
Pittsburgh, PA



8-9/430

CHECK DATE 8/11/2017

COPY

COPY

COPY

Security features. Details on back.

PAY Two Thousand Eight Hundred Twenty Eight and 00/100 Dollars

AMOUNT 2,828.00

TO Doddridge County Commission

COPY

COPY

AUTHORIZED SIGNATURE

⑈ 13 266 2⑈ ⑆ 043000096⑆ 0002272405⑈

COPY

132662

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Check Date: 8/11/2017

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
08112017	8/11/2017	000000296997	2,828.00			2,828.00
Doddridge County Commission			TOTAL			2,828.00
- Operating Account	1	11261				

COPY

FP # 17-479



Check Date: 8/11/2017

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
08112017	8/11/2017	000000296997	2,828.00			2,828.00
Doddridge County Commission - Operating Account 1 11261			TOTAL 2,828.00			2,828.00

FP # 17-479

Doddridge County, West Virginia

RECEIPT NO: 9521

DATE: 2017/08/16

FROM: CIVIL & ENVIRONMENTAL

AMOUNT: \$ 2,828.00

TWO THOUSAND EIGHT HUNDRED TWENTY EIGHT DOLLARS AND 00 CENTS

FOR: #17-479 FLOODPLAIN

00000132662 FP-BUILDING PERMITS

020-318 TOTAL: \$2,828.00

MICHAEL HEADLEY
SHERIFF & TREASURER

MEC
CLERK

Customer Copy



FLOODPLAIN PERMIT #17-479

Mark West-Sherwood to Momentum Pipeline

TASK	COMPLETE (DATE)	NOTES
CHECK RECEIVED	8/14/2017	
US ARMY CORP. ENGINEERS (USACE)		
US FISH & WILDLIFE SERVICES (USFWS)		
WV DEPT. NATURAL RESOURCES (WVDNR)		
WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)		
STATE HISTORIC & PRESERVATION OFFICE (SHPO)		
OFFICE of LAND & STREAM (OLS)		
DATE OF COMMISSION READING	9/5/2017	
DATE AVAILABLE TO BE GRANTED	9/25/2017	
PERMIT GRANTED		
COMPLETE		

7015 3430 0001 1569 7996

7015 3430 0001 1569 8016

7015 3430 0001 1569 8009



Doddridge County Floodplain Permits

(Week of August 24, 2017)

Please take notice that on the 14th day of August, 2017, Mark West Liberty Midstreams filed an application for a Floodplain Permit (#17-479) to develop land located at or about Blacklick Rd. Coordinates 39.266655 N, -80.658362 W. 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 September 25, 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 for an access road and pipeline for Sherwood to Momentum Pipeline project.**



August 9, 2017

Mr. George C. Eidel, CFM, OEM, Floodplain Manager
Doddridge County Commission
108 Court Street, Suite 1
West Union, WV 26456

Dear Mr. Eidel:

Subject: Floodplain Development Permit Extension Application
Sherwood to Momentum Pipeline, Doddridge County, West Virginia
CEC Project 151-611

Civil & Environmental Consultants, Inc. (CEC) was hired as a consultant to provide professional engineering services to MarkWest Liberty Midstream & Resources, LLC (MarkWest). MarkWest previously obtained a Floodplain Development Permit (#15-384) for the proposed Sherwood to Momentum Pipeline Project on November 18, 2015 and a modification to that permit on November 18, 2016. The Sherwood to Momentum Pipeline is approximately 3.3 miles in length and will serve as a connection from MarkWest's Sherwood Gas Plant to Momentum's Meter Site in Doddridge County, West Virginia. The permit extension is being requested per Doddridge County Floodplain Ordinance Section 7.6, to coincide with the project timeline, which exceeds a construction timeline of 12 months.

On behalf of MarkWest, CEC is submitting the following enclosed information for the Doddridge County Floodplain Development Permit Extension Application:

- The permit fee in the amount of \$2,828; and
- A copy of the Doddridge County Floodplain Development Permit Application including all supporting maps, exhibits, and documentation

The Sherwood to Momentum Pipeline project is located within the Middle Ohio North Watershed, a tributary of the Ohio River. The pipeline and associated access roads will enter and/or cross FEMA Flood Zones A and AE of Buckeye Creek twice located on FEMA FIRM panel number 54017C0145C. No impacts to the base flood elevations in either of the locations are anticipated because the access roads are to approximately follow existing grade and the stream crossings are proposed to be open cut for the pipelines with temporary timber mat bridges for equipment crossings.

Should you have any questions or require additional information, please do not hesitate to contact us at 412-429-2324.

Very truly yours,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Andrew R. Gullone, P.E., CPESC,
Project Manager

Richard P. Celender, RLA, C.E.T., CPESC, CPSWQ
Vice President

AUG14 17 11:47AM

Enclosures

cc: Richard Lowry, MarkWest Liberty Midstream & Resources, LLC 151-611-L-Floodplain Permit-8-9-17/P



Permit# 17-479
Project Name: Sherwood to Momentum Pipeline
Permittees Name: Markwest

Doddridge County, WV

Floodplain Development Permit Application

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.

AUG14 17 11:47AM

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 _____

[Handwritten Signature]
Agent for Applicant.

DATE _____

08-11-17

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC.		
Corporate Mailing Address: 4600 J BARRY COURT, SUITE 500		
City: CANONSBURG	State: PA	Zip: 15317
Corporate Point of Contact (POC): RICHARD LOWRY		
Corporate POC Title: ENVIRONMENTAL MANAGER – NEW CONSTRUCTION		
Corporate POC Primary Phone: (724) 416-0520		
Corporate POC Primary Email: richard.lowry@markwest.com		
Corporate FEIN: 30-052-8059	Corporate DUNS: N/A	
Corporate Website: http://www.markwest.com/		
Local Mailing Address: 4600 J BARRY COURT, SUITE 500		
City: CANONSBURG	State: PA	Zip: 15317
Local Project Manager (PM): DUSTIN VINCENT		
Local PM Primary Phone: (304) 842-2034		
Local PM Secondary Phone: (304) 638-8134		
Local PM Primary Email: dustin.vincent@markwest.com		
Person Filing Application: RICHARD LOWRY		
Applicant Title: ENVIRONMENTAL MANAGER – NEW CONSTRUCTION		
Applicant Primary Phone: (724) 416-0520		
Applicant Secondary Phone: (412) 925-8165		
Applicant Primary Email: richard.lowry@markwest.com		

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)

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: 17 TOTAL PROPERTIES

Site/Property Information: SEE ATTACHED (17 PROPERTIES)

Legal Description:

Physical Address/911 Address:

Decimal Latitude/Longitude:

DMS Latitude/Longitude:

District:	Map:	Parcel:
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Land Book Description:

Deed Book Reference:

Tax Map Reference:

Existing Buildings/Use of Property: WOODLANDS; EXISTING RIGHT-OF-WAY

Floodplain Location Data: (to be completed by Floodplain Manager or designee)

Community:	Number:	Panel:	Suffix:
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Location (Lat/Long):	Approximate Elevation:
	Estimated BFE:

Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____
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Notes:

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.

Property Designation: ____ of ____

Property Owner Data:		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

**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: ____ of ____

Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: TO BE DETERMINED		
C/SC WV License Number:		
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:		

Engineer Firm Information:		
Engineer Firm Name: CIVIL & ENVIRONMENTAL CONSULTANTS, INC.		
Engineer WV License Number: 18669		
Engineer Firm FEIN: 25-1599565	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): ANDREW GULLONE		
Engineer Firm Primary POC Title: PROJECT MANAGER		
Engineer Firm Mailing Address: 333 BALDWIN ROAD		
City: PITTSBURGH	State: PA	Zip-Code: 15205
Engineer Firm Office Phone: (412) 429-2324		
Engineer Firm Primary POC Phone: (412) 249-3179		
Engineer Firm Primary POC E-Mail: agullone@cecinc.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.

Adjacent Property Owner Data: Upstream SEE ATTACHED		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream SEE ATTACHED		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream SEE ATTACHED		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream SEE ATTACHED		
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 or 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 Wirt 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: _____

Sherwood to Momentum - Doddridge County, WV
Opinion of Probable Construction Costs - Construction in the Floodplain
Project #: 151-611
September 2015

Item	Units	Quantity	Unit Cost	Total Cost
Pipeline Installation*	LF	463	\$ 975.00	\$ 451,425.00
Stabilized Construction Entrances	EA	3	\$ 3,000.00	\$ 9,000.00
Stream Crossings	EA	1	\$ 5,000.00	\$ 5,000.00
Total	-	-	-	\$ 465,425.00

* Pipeline Installation item includes E&S controls, pipeline trenching and installation, pipe material, inspection, and restoration.

WV Flood Map



— Cross Section (XS) Lines
 Base Flood Elevation (BFE) Lines

- ~ Rule_1
- Floodway
- Flood Hazard Zone**
- Approximate Study (Zone A)
- Detailed Study (AE, AH, AO)
- High : 134.442
- Low : -7.71759

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

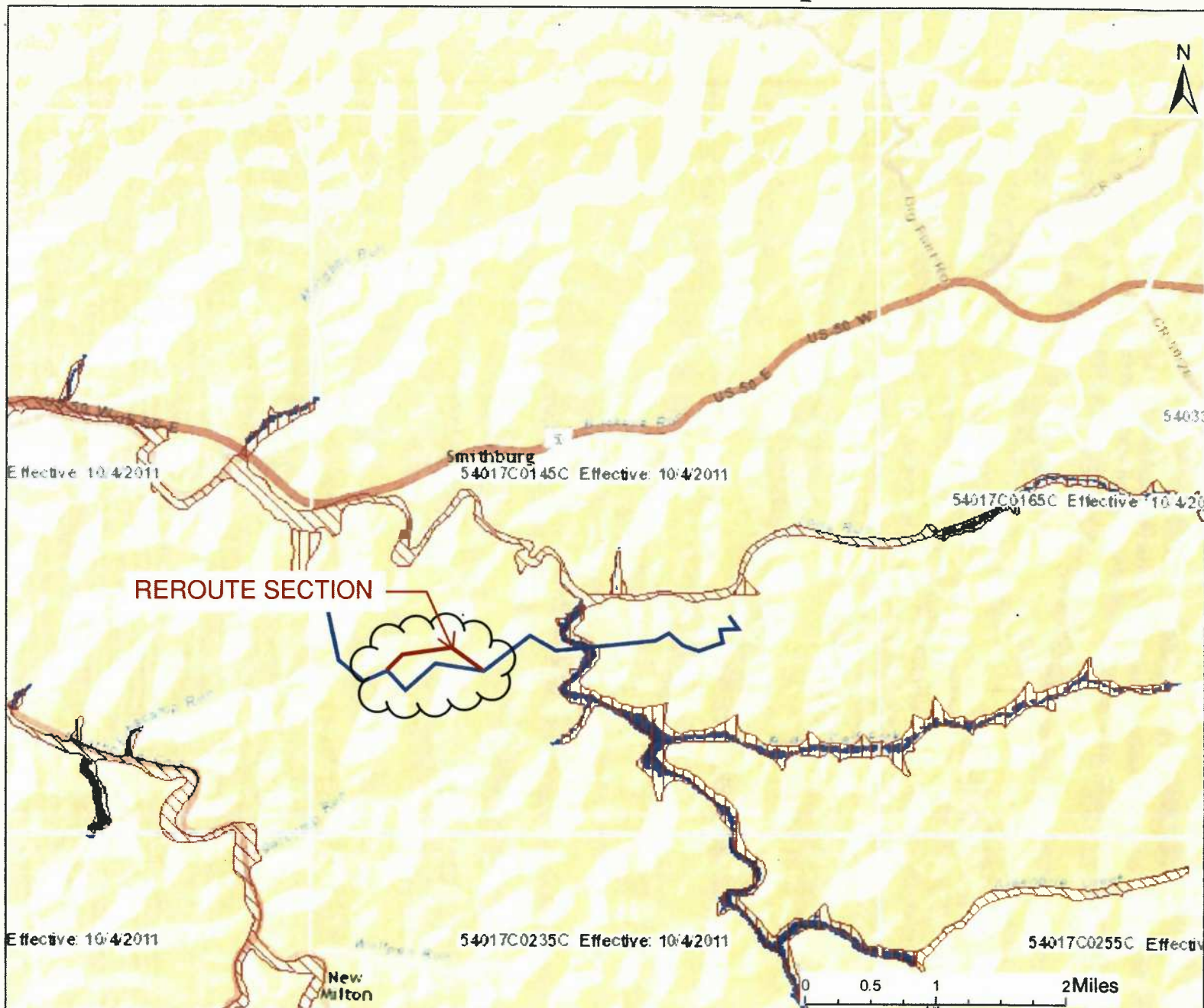
Location of flood information
 User Notes:

Map created on August 14, 2017


Flood Hazard Area:	Flood Hazard Area: Location is WITHIN the FEMA 100-year floodplain.
Flood Hazard Zone:	A (Advisory A)
Stream:	Buffalo Calf Fork
FEMA Issued Flood Map:	54017C0145C
Watershed (HUC8):	Little Musringum-Middle Island (5030)
Advisory Flood Height:	About 854 ft
Water Depth:	About 11.5 ft (Source: HEC-RAS)
Elevation:	About 843 ft
Location (long, lat):	(80.658362 W, 39.266655 N)
Location (UTM 17N):	(529472, 4346423)
Contacts:	Doddridge
CRS Information:	N/A
Flood Profile:	N/A
HEC-RAS Model:	Buffalo Calf Fork
Parcel Number:	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.
 WV Flood Tool (<http://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

Sherwood to Momentum Ripenne



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


 Location of flood information
User Notes:

Map created on September 17, 2011

 Floodway

Flood Hazard Zone

 Approximate Study (Zone A)

 Detailed Study (AE, AH, AO)

 Community Rating System Areas

Disclaimer:

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

Flood Hazard Area:

Flood Hazard Area:

Flood Hazard Zone:

Stream:

FEMA Issued Flood Map:

Watershed (HUC8):

Advisory Flood Height:

Water Depth:

Elevation:

Location (long, lat):

Location (UTM 17N):

Contacts:

CRS Information:

Flood Profile:

HEC-RAS Model:

Parcel Number:



Grant







1

Greenbrier

2

PANEL #: 54017C0145C
QUAD: Smithburg (39080-C6)

LEGEND

-  LIMIT OF DISTURBANCE
-  ADJACENT PARCEL IN FLOODPLAIN
-  PIPELINE PARCEL
-  100-YEAR FLOOD ZONE
-  TAX DISTRICT
-  STREAM

SCALE IN FEET



SHEET INDEX

REFERENCE

ESRI WORLD IMAGERY / ARCGIS MAP SERVICE:
HTTP://GOTO.ARCGISONLINE.COM/MAPS/WORLD_IMAGERY,
ACCESSED 8/18/2016, IMAGERY DATE: 2011.

USGS NATIONAL HYDROGRAPHY DATASET, 2012

PARCEL INFORMATION FOR DODDRIDGE COUNTY, WV
WEST VIRGINIA DEPARTMENT OF REVENUE, 2009.

FEMA DIGITAL FLOOD INSURANCE RATE MAP DATABASE,
DODDRIDGE COUNTY, WEST VIRGINIA, DATE: 2010



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SHERWOOD TO MOMENTUM
GRANT AND GREENBRIER TAX DISTRICTS
DODDRIDGE COUNTY, WEST VIRGINIA

FLOOD INSURANCE RATE MAP

DRAWN BY:	MSM	CHECKED BY:	EMZ	APPROVED BY:	EJF*	FIGURE NO:	3
DATE:	8/17/2016	SCALE:	1" = 500'	PROJECT NO:	132-828	* Hand signature on file	

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Grant

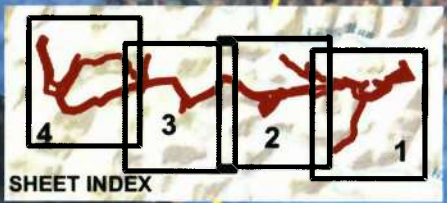
Greenbrier

PANEL #: 54017C0145C
QUAD: Smithburg (39080-C6)

PANEL #: 54017C0145C
QUAD: Smithburg (39080-C6)

LEGEND

-  LIMIT OF DISTURBANCE
-  ADJACENT PARCEL IN FLOODPLAIN
-  PIPELINE PARCEL
-  100-YEAR FLOOD ZONE
-  TAX DISTRICT
-  STREAM



SHEET INDEX

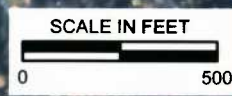
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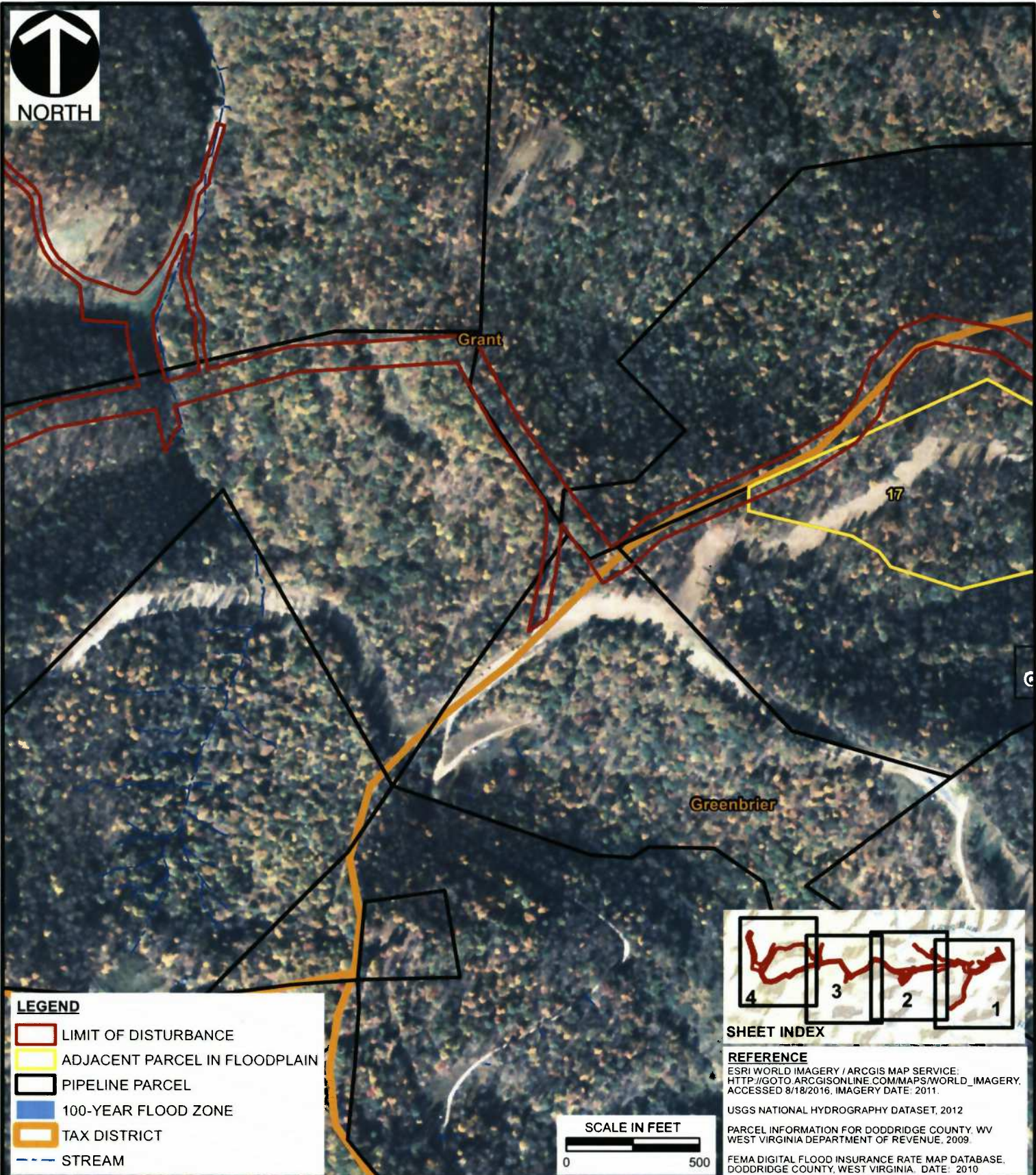
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DATE:	8/17/2016	SCALE:	1" = 500'	PROJECT NO:	132-828	* Hand signature on file	

Document Path: P:\2013\132-828-GIS\Maps\FLOODPLAIN_APP\20160817\132828_FLOODPLAIN_FIGS.mxd



LEGEND

-  LIMIT OF DISTURBANCE
-  ADJACENT PARCEL IN FLOODPLAIN
-  PIPELINE PARCEL
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-  TAX DISTRICT
-  STREAM



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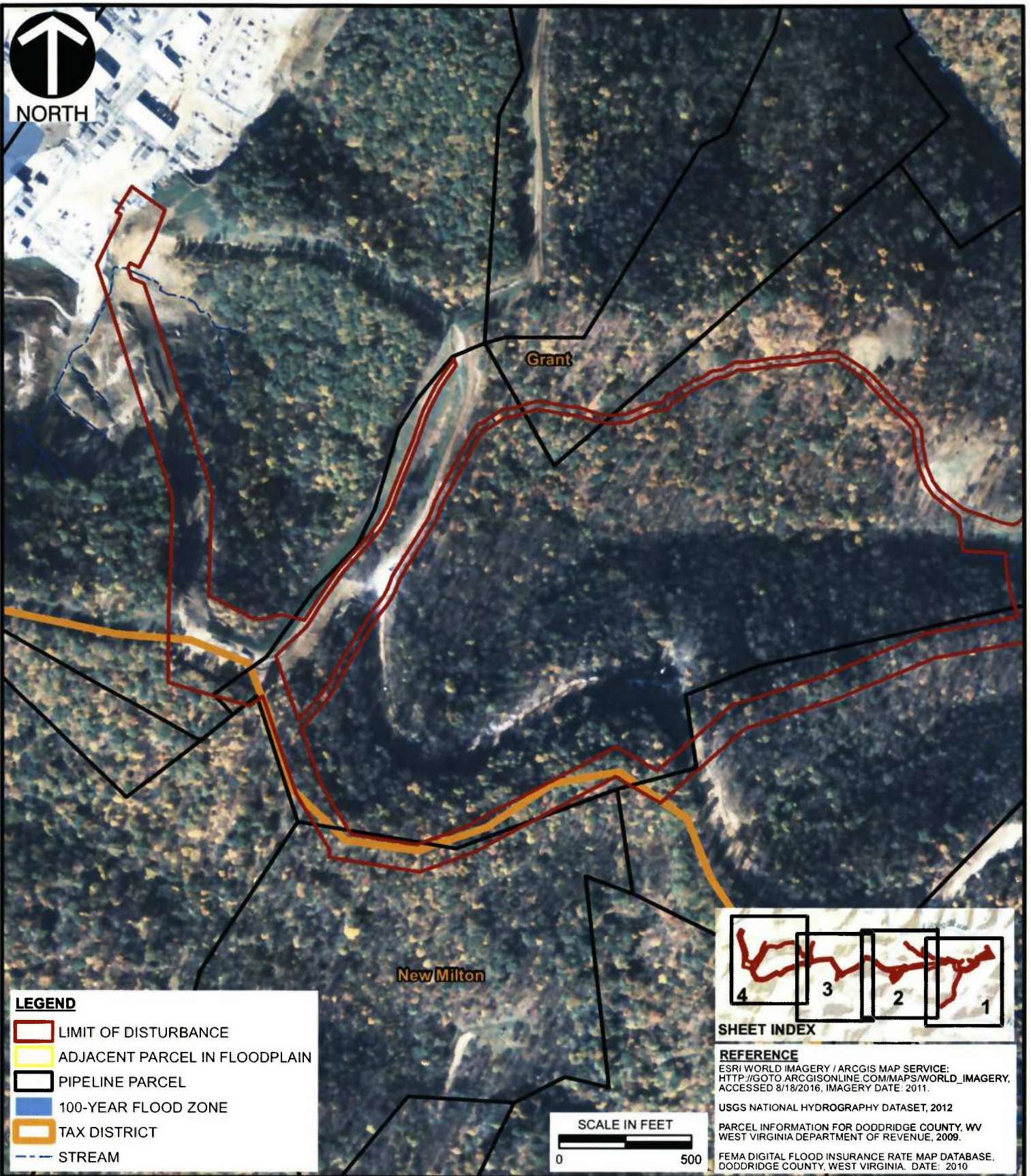
FLOOD INSURANCE RATE MAP

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DATE:	8/17/2016	SCALE:	1" = 500'	PROJECT NO:	132-828	* Hand signature on file	







Document Path: P:\2013\132-828\GIS\Maps\FLOODPLAIN_APP\20160817\132828_FLOODPLAIN_FIGS.mxd



NORTH



LEGEND

-  LIMIT OF DISTURBANCE
-  ADJACENT PARCEL IN FLOODPLAIN
-  PIPELINE PARCEL
-  100-YEAR FLOOD ZONE
-  TAX DISTRICT
-  STREAM



SHEET INDEX

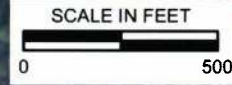
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FLOOD INSURANCE RATE MAP

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APN	APN2	OWNER	ADDR	CITY	STATE	ZIP	MAP LABEL
03-20-44	09-03-0020-0044-0000-0000	MARTIN KENNETH JR & ROBERT S	LONG RUN RD	SALEM	WV	26426	1
04-3-6	09-04-0003-0006-0000-0000	KELLEY GUSS ET UX	SALEM RD 1	SALEM	WV	26426	2
04-1-24	09-04-0001-0024-0000-0000	JOZWICK DANIEL K	ROUTE 15	SALEM	WV	26426	3
04-1-19	09-04-0001-0019-0000-0000	JOZWICK DANIEL K	SALEM RD 1 RT 15	SALEM	WV	26426	4
04-1-20	09-04-0001-0020-0000-0000	JOZWICK DANIEL K	ROUTE 15	SALEM	WV	26426	5
04-1-21	09-04-0001-0021-0000-0000	JOZWICK DANIEL K	ROUTE 15	SALEM	WV	26426	6
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04-1-5	09-04-0001-0005-0000-0000	JOZWICK DANIEL K	ROUTE 15	SALEM	WV	26426	15
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04-1-2	09-04-0001-0002-0000-0000	JOZWICK DANIEL K	ROUTE 15	NEW MILTON	WV	26411	17

- ① Roberta J. Martin
38 Hide Away Lane
Salem, WV 26426
- ② Guss Kelley, ET UX
1185 Greenbrier Road
Salem, WV 26426
- ③ Daniel K. and Lisa A. Jozwick
1185 Greenbrier Road
Salem, WV 26426

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