



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 #: 20-569

Date Approved: 4/27/2020

Expires: 4/27/2021

Issued to: Dominion Energy

POC: Brian Wright/James Barton

Company Address: 707 East Main Street, Richmond, VA. 23219

Project Address: Supply Header Pipeline, Doddridge County, WV

Firm: 54017C0045C, 54017C0145C, 54017C0165C, 54017C0255C Lat/Long: Various, see attached

Purpose of development: Supply Header Pipeline Project

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

Date: 4/27/2020

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.1343, or via email at
doddridgecountyfpm@gmail.com
101 Church Street Suite 102; West Union, WV 26456

Permit Number	Crossing Name	Coordinates	FIRM Panel Number
17-491 (a)	McElroy Creek	39.39296111 N; -8063759722W	54017C0045C
17-491 (b)	Long Run	39.27676667 N; -80.63356667W	54017C0145C
17-491 (c)	Buffalo Calf Fork	39.25943333 N; -80.61926111W	54017C0165C
17-491 (d)	Greenbrier Creek	39.24445556 N; -80.61194444 W	54017C0255C
17-491 (e)	Buckeye Creek	39.23006389 N; -80.60833333 W	54017C0255C
17-491 (f)	Meathouse Fork	39.19233333 N; -80.58305556 W	54017C0045C

Dominion Energy – Atlantic Coast Pipeline Supply Header Pipeline Project (SHP)

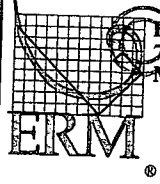
Floodplain Permit Number

Old FP #17-491

Old FP #19-546

New FP #20-569

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS RED ILOGO NEAR SIGNATURE LINE. RED IMAGE DISAPPEARS WITH HEAT.



Environmental Resources Management, Inc.
75 Valley Stream Parkway, Suite 200
Malvern, PA 19355-1406



11-24
1210

DATE: 13-March-2020

COPY

COPY

COPY 116471

COPY No 116471

PAY ONE THOUSAND THREE HUNDRED TWENTY-FIVE AND XX / 100 DOLLARS

\$ ***** 325.00
VOID AFTER 120 DAYS

TO THE ORDER OF County of Doddridge
101 Church Street Suite 102,
West Union,, WV 26456

Greg Ramsey
AUTHORIZED SIGNATURE

COPY

COPY

COPY

COPY

ORIGINAL CHECK IS PRINTED ON CHEMICAL REACTIVE PAPER WHICH CONTAINS A WATERMARK

Environmental Resources Management, Inc.

FP # 20-569

FLOODPLAIN PERMIT #20-569

Dominion Energy Supply Header Pipeline (see attached for crossings and coordinates)

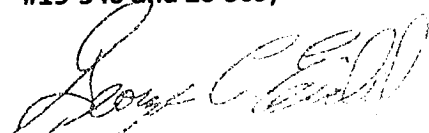
TASK	COMPLETE (DATE)	NOTES
CHECK RECEIVED	3/18/2020	
US ARMY CORP. ENGINEERS (USACE)		
US FISH & WILDLIFE SERVICES (USFWS)		
WV DEPT. NATURAL RESOURCES (WVDNR)		
WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)		
STATE HISTORIC & PRESERVATION OFFICE (SHPO)		
OFFICE of LAND & STREAM (OLS)		
DATE OF COMMISSION READING	4/7/2020	
DATE AVAILABLE TO BE GRANTED	4/27/2020	
PERMIT GRANTED	4/27/2020	
COMPLETE		



Doddridge County Floodplain Permits

(Week of March 23, 2020)

Please take notice that on the **(18th) of (March), 2020, (Dominion Energy)** filed an application for a Floodplain Permit **(#20-569)** to develop land located at or about **(see attached); Coordinates: see attached**. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by **(April 27, 2020)** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. **This project is the renewal of the Atlantic Coast Pipeline's Supply Header Pipeline Project (previous permits #17-491, #19-546 and 20-569)**



GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager



Permit# 20-569
Project Name: ACP-SUPPLY Header Pipeline
Permittees Name: DOMINION Energy

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.

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

Bill West

DATE 3/11/2020

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Dominion Energy Gas Transmission and Storage		
Corporate Mailing Address: 707 East Main Street		
City: Richmond	State: VA	Zip: 23219
Corporate Point of Contact (POC): Brian M. Wright		
Corporate POC Title: Vice President, Major Projects		
Corporate POC Primary Phone: 804-771-3068		
Corporate POC Primary Email: Brian.M.Wright@dominionenergy.com		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: DominionEnergy.com		
Local Mailing Address: N/A		
City:	State:	Zip:
Local Project Manager (PM): James Barton		
Local PM Primary Phone: 803-360-5528		
Local PM Secondary Phone:		
Local PM Primary Email: james.g.barton@dominionenergy.com		
Person Filing Application: Rick Weeks		
Applicant Title: Services Company Contractor, Dominion Energy Services Inc.		
Applicant Primary Phone: 804-347-0623		
Applicant Secondary Phone:		
Applicant Primary Email: richard.f.weeks@dominionenergy.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 checked="" type="checkbox"/>	New Structure	<input type="checkbox"/>	Residential (1 – 4 Family)
<input type="checkbox"/>	Addition	<input type="checkbox"/>	Residential (more than 4 Family)
<input type="checkbox"/>	Alteration	<input checked="" 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: ____ of ____

Site/Property Information:		
Legal Description: See attached Site Plan and No-Rise Certificates		
Physical Address/911 Address:		
Decimal Latitude/Longitude:		
DMS Latitude/Longitude:		
District:	Map:	Parcel:
Land Book Description:		
Deed Book Reference:		
Tax Map Reference:		
Existing Buildings/Use of Property:		

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

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): Dominion Energy Gas Transmission and Storage, Brian M. Wright Vice President, Major Projects		
PO Address: 707 E. Main Street		
City: Richmond	State: VA	23219
PO Primary Phone: 804-771-3068		
PO Secondary Phone:		
PO Primary Email: Brian.M.Wright@dominionenergy.com		

Surface Rights Owner Data:		
Name of Primary Owner (PO): NA		
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): NA		
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: Ace Pipeline, Inc.		
C/SC WV License Number: WV049594		
C/SC FEIN: 45-4834309	C/SC DUNS: 012365286	
Local C/SC Point of Contact (POC): Sam Jarvis		
Local C/SC POC Title: Superintendent		
C/SC Mailing Address: 189 Carrier Way, Suite 2		
City: Scott Depot	State: WV	Zip---Code: 25560
Local C/SC Office Phone: 304-755-9840		
Local C/SC POC Phone: 304 -989-2078		
Local C/SC POC E---Mail: ssloane@acepipeline.com		

Engineer Firm Information:		
Engineer Firm Name: I3 Engineering & Consulting, LLC		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): David Mordan, Jr		
Engineer Firm Primary POC Title: Owner		
Engineer Firm Mailing Address: 1160 Bridgeport		
City: Bridgeport	State: WV	Zip-Code: 26330
Engineer Firm Office Phone: 304-848-6730		
Engineer Firm Primary POC Phone: 304-669-7349		
Engineer Firm Primary POC E---Mail: dmordan@i3engineeringllc.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		
Name of Primary Owner (PO): Please see Attachment 4		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): Please See Attachment 4		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): Please See Attachment 4		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): Please See Attachment 4		
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 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: 3/11/2020

Applicant Printed Name: Brian M. Wright, Vice President, Major Projects



MAR 10 20 11:55AM

March 10, 2020

Mr. George Eidel
Floodplain Manager
Doddridge County Office of Emergency Management
108 East Court Street, Suite 1
West Union, WV 26456

**RE: Dominion Energy Transmission Inc. (Dominion Energy) Supply Header Project (SHP),
Doddridge County Floodplain Development Permit Application**

Dear Mr. Eidel:

Please accept Dominion Energy's Floodplain Permit application for review for approximately 1.16 miles of Federal Emergency Management Agency (FEMA) identified floodplain crossings in Doddridge County with a 30-inch diameter underground interstate natural gas pipeline and access roads. These crossings will involve the installation of 0.54 miles of pipeline, and 0.62 miles of access roads. Additionally, there will be two temporary contractor yards with 2.5 acres located within floodplains. This permit application was previously submitted on October 17, 2017 and approved on March 15, 2018. It was reapproved on April 22, 2019. As the permit is expiring, Dominion is resubmitting the application for your review and approval.

On October 13, 2017, Dominion Energy received a Certificate of Public Convenience and Necessity (Certificate) from the Federal Energy Regulatory Commission (FERC) under Section 7(c) of the Natural Gas Act (NGA) to construct, own, operate, and maintain a proposed 33.6-mile natural gas pipeline in West Virginia in order to provide safe, dependable natural gas service for current and future customers in the Mid-Atlantic. The SHP will loop (add additional capacity and be connected to) and generally be located adjacent to an existing Dominion Energy natural gas pipeline (Line No. TL-360).

The SHP is being developed in conjunction with the Atlantic Coast Pipeline (ACP). Dominion Energy will be a Foundation Shipper in the SHP, and will utilize the SHP capacity to allow its shippers access to natural gas supplies from various Dominion Energy receipt points for further delivery to points along the ACP. The ACP is a proposed natural gas transmission system that would serve the growing energy needs in the Mid-Atlantic including West Virginia, Virginia, and North Carolina. The natural gas transported by the SHP and ACP will be used to generate electricity, heat homes, run local businesses and increase the reliability and security of natural gas supplies in Virginia, West Virginia and North Carolina. The SHP will cross through approximately 1.16 miles of floodplains in Doddridge County.

Interstate natural gas companies such as Dominion Energy are regulated by the FERC. Under Section 7 of the Natural Gas Act, FERC determines whether interstate natural gas transportation facilities are in the public convenience and necessity and, if so, grants a Certificate to construct and operate the facilities.

FERC is an independent regulatory agency and therefore conducts a complete independent review of project proposals, including an environmental review of the proposed facilities under the National Environmental Policy Act of 1969, 42 U.S. C. §4321 *et seq.* (NEPA). FERC bases its decision on technical competence, financing, rates, market demand, gas supply, environmental impact, long-term feasibility, and other issues

Interstate natural gas companies such as Dominion Energy are regulated by the FERC. Under Section 7 of the Natural Gas Act, FERC determines whether interstate natural gas transportation facilities are in the public convenience and necessity and, if so, grants a Certificate to construct and operate the facilities.

FERC is an independent regulatory agency and therefore conducts a complete independent review of project proposals, including an environmental review of the proposed facilities under the National Environmental Policy Act of 1969, 42 U.S. C. §4321 *et seq.* (NEPA). FERC bases its decision on technical competence, financing, rates, market demand, gas supply, environmental impact, long-term feasibility, and other issues concerning a proposed project.¹ On September 18, 2015, Dominion Energy and Atlantic Coast Pipeline, LLC (Atlantic) filed an Application with FERC for a Certificate for the SHP and ACP, to which FERC issued a Notice of Application on October 2, 2015.² A proposed route for the SHP across Doddridge County was preliminarily selected by the FERC pursuant to the Final Environmental Impact Statement (FEIS) issued on July 21, 2017. On October 13, 2017 Atlantic received its Certificate from FERC.

Also, during the FERC Application phase, applicants desire, and are encouraged, to cooperate with state and local governments to address any state or local aspects of a proposed project under FERC review.³ Consistent with this approach and through consultations with Doddridge County officials, Dominion Energy understands that it is its responsibility to submit a Floodplain Permit application.

To address these floodplain crossings, Dominion Energy is requesting your review and approval of the items attached which are made part of this application:

- Attachment 1, Completed Floodplain Development Permit Application
- Attachment 2, Statement of Justification
- Attachment 3, Site Plan and No-Rise Certificates

In addition to the attachments, you will also find a check for the application fee and the "Deposit for Expenses" made payable to the County of Doddridge. Dominion Energy also understands that it is responsible for payment to Doddridge County for any expenses and costs for services necessary for review and/or inspection of the permit application and the attachments for the Project.

Subject to the receipt of required approvals, Project construction in Doddridge County is scheduled for September 2020 through September 2021. Once pipeline construction is complete, the original

1 The FERC process can be followed through FERC's website at www.ferc.gov. You can query using the FERC docket numbers for the ACP project, CP15-554-000 and CP15-554-001.

2 On March 14, 2016, Atlantic filed an Amendment to the Application with FERC to incorporate route changes that would minimize the impact of the ACP on affected landowners and communities and on the environment. On March 22, 2016, FERC issued its Notice of Amendment to the Application.

3 A typical FERC Order issuing a Certificate contains a statement similar to the following: "Any state or local permits issued with respect to the jurisdictional facilities authorized herein must be consistent with the conditions of this certificate. The Commission encourages cooperation between interstate pipelines and local authorities. However, this does not mean that state and local agencies, through application of state or local laws, may prohibit or unreasonably delay the construction or operations of the facilities approved by this Commission."

Doddridge County
Dominion Energy Transmission Supply Header Project
March 10, 2020

topographic conditions and contours will be restored. In addition, temporary access roads and temporary contractor yards will be returned to their pre-existing conditions or to conditions in accordance with landowner agreements.

Dominion Energy looks forward to coordinating with you on this Project. Should you have any questions or concerns, please contact Rick Weeks at 804-347-0623 or email at richard.f.weeks@dominionenergy.com.

Please direct written responses to:

Rick Weeks
Dominion Energy Services, Inc.
120 Tredegar Street, 3rd Floor
Clearinghouse Building
Richmond, VA 23219

Sincerely,



Richard B. Gangle
Director, Environmental Services
Dominion Energy Inc.

cc: Rick Weeks, Dominion Energy Services, Inc.

Dominion Energy Transmission, Inc.
SUPPLY HEADER PROJECT
Docket No. CP15-555-000

STATEMENT OF JUSTIFICATION FOR FLOODPLAIN CROSSINGS
DODDRIDGE COUNTY, WEST VIRGINIA

Submitted, March 2020

I. Introduction

Dominion Energy Transmission Inc. (Dominion Energy) is proposing an approximately 37.5-mile underground pipeline loop referred to as the Supply Header Project (SHP or Project) in conjunction with the Atlantic Coast Pipeline Project (ACP) as part of the plan to provide safe, dependable natural gas service for current and future customers in Virginia, West Virginia and North Carolina. This Statement of Justification provides more information with regard to the Project's proposed construction of a 30-inch diameter underground natural gas pipeline and access roads across 1.16 miles (0.54 miles of pipeline and 0.62 miles of access roads) of floodplains as identified by the Federal Emergency Management Agency (FEMA) within the County. Additionally, there will be two temporary contractor yards with 2.5 acres located within floodplains. Need for the Project and broader requirements for Project approval are described, as well as specific measures to comply with Doddridge County floodplain requirements.

II. Requirements for the Proposed Use

Why the Project is needed:

For the SHP, Dominion Energy proposes to construct and operate approximately 37.5 miles of pipeline loop, and modify existing compression facilities in Pennsylvania and West Virginia. The Project will enable Dominion Energy to provide firm transportation service of up to 1.5 MMDth/d to various customers served by the ACP. Dominion Energy will be a Foundation Shipper in the ACP, and will utilize the SHP capacity to allow its shippers access to natural gas supplies from various Dominion Energy receipt points for further delivery to points along the ACP. By providing its customers access to an affordable and stable source of natural gas, the SHP also satisfies the same purpose and need as the ACP by increasing the reliability and security of natural gas supplies in Virginia, West Virginia, and North Carolina.

The SHP and ACP are a proposed interstate natural gas transmission system that will serve the growing energy needs in the Mid-Atlantic including Virginia, West Virginia and North Carolina. Based on current customer commitments, approximately 76 percent of the natural gas transported by the SHP and ACP will be used as a fuel to generate electricity for industrial, commercial, and residential uses. The remainder of the natural gas will be used directly for residential, industrial, commercial and other uses such as vehicle fuel. By providing access to low-cost natural gas supplies, the SHP and ACP will increase the reliability

and security of natural gas supplies in Virginia, West Virginia and North Carolina, and thereby meet expected demand for natural gas-powered electric generation in those states.

By 2035, natural gas is expected to surpass coal as the most common fuel for electric power generation due to coal-fired plant retirements and low natural gas prices. The U.S. Energy Information Administration (2015) expects renewable generation to grow 2 percent per year from 2013-2040, meeting a part of the demand for power, but more than 60 percent of new generating capacity needed from 2025 to 2040 will be fueled by natural gas.

A study prepared by ICF International (2015) for Atlantic Coast Pipeline, LLC (Atlantic) and Dominion Energy projects that electric power generation in Virginia and North Carolina will increasingly rely on natural gas over the next two decades. Between 2019 and 2038, the study predicts that approximately 9,900 megawatts of electric generating capacity will be retired, while 20,200 megawatts of new generating capacity from natural gas will be built in Virginia and North Carolina. As a result, demand for natural gas for power generation in Virginia and North Carolina is expected to grow 6.3 percent annually between 2014 and 2035, increasing from 1 to 3.7 billion cubic feet per day (bcf/d).¹

In April 2014, Duke Energy and Piedmont issued a request for proposal for incremental pipeline transportation service due to their existing and future natural gas generation requirements, core load growth, and system reliability and supply diversity goals. Specifically, the request for proposal issued by Duke Energy and Piedmont stated that the new infrastructure requested as part of the proposal would support their anticipated needs for natural gas supply and transportation services. Duke Energy's growing reliance on natural gas to meet the State of North Carolina's and Duke Energy's electric generation needs coupled with Piedmont's core load growth and operational requirements supports an investment in new natural gas infrastructure as proposed by Dominion Energy.

In June 2014, Virginia Power Services Energy Corp., Inc. issued a request for proposal for firm transportation service to serve Virginia. In particular, the request for proposal identified a need for additional firm, interstate pipeline capacity. Following the request for proposal processes, Duke Energy, Piedmont, and Virginia Power Services Energy Corp., Inc. each contracted for transportation service on the ACP as did other companies in the region.

The ACP in conjunction with the SHP will provide up to 1.5 MMDth/d of firm natural gas transportation service into Virginia, West Virginia, and North Carolina. Of the 1.5 MMDth/day of the firm transportation capacity created by the ACP and SHP, Atlantic and Dominion Energy currently have commitments with six customers for 1.44 MMDth/d (96 percent). The precedent agreements between Atlantic and these six customers demonstrate the demand for new natural gas supplies, the desire for access to a new supply region, and the need for the SHP and ACP. The remaining unsubscribed capacity on the ACP (4 percent) will be awarded and contracted in accordance with Federal Energy Regulatory Commission (FERC) policies applicable to open-access interstate pipelines and the provisions of applicable natural gas tariffs.

SHP Routing Approval:

On October 13, 2017, Dominion Energy and Atlantic received a Certificate from the FERC under Section 7(c) of the Natural Gas Act (NGA) to construct, own, operate, and maintain the proposed facilities for the SHP and ACP system. FERC issues Certificates for construction and operation of pipelines engaged in interstate natural gas transportation where public need has been demonstrated and a comprehensive review of the environmental impacts has been completed pursuant to the National Environmental Policy Act

¹ One bcf/d is approximately equivalent to 1 MMDth/d.

(NEPA). This provides that alternatives have been evaluated and the alternative with the least environmental impact that can meet the need has been selected.

The FERC licensing process included a NEPA evaluation of multiple alternatives to the proposed route. A proposed route for the SHP across Doddridge County was preliminarily selected by the FERC pursuant to the Final Environmental Impact Statement (FEIS) issued on July 21, 2017. On October 13, 2017 Atlantic received its Certificate from FERC.

Subject to receipt of required approvals, Project construction in Doddridge County is scheduled for September 2020 through September 2021. After construction is complete, the original topographic conditions and contours will be restored. In addition, temporary access roads will be returned to their pre-existing conditions or to conditions in accordance with landowner agreements.

III. Compliance with the Doddridge County Floodplain Ordinance

The Doddridge County Floodplain Ordinance (the "Ordinance") regulates development within identified Floodplain Areas. With the exception of the valve site, the majority of the Project will be developed underground and as such will not be subject to any above-ground development standards. As required by Section 5.2 [Basic Format] of the Ordinance, Dominion Energy has provided the necessary information as part of its Floodplain Development Permit Application (see Attachment 1), as applicable. In addition, pursuant to Section 5.3(B) of the Ordinance, Dominion Energy has provided the following information:

1. Plans showing details of all flood proofing measures (where applicable), prepared by a registered professional engineer, showing the size of the proposed structure and its relation to the lot where it is to be constructed.
2. A determination of elevations of the Base Flood, existing ground, proposed finished ground, lowest floor, and flood proofing limits, certified by a registered professional engineer or licensed professional surveyor, as reflected in the No-Rise Certifications included.
3. A Flood Proofing Certificate, FEMA 81-65, as revised by FEMA, prepared by a registered professional engineer who prepared the plans in (1) above, stating (where applicable), that the Project is designed so that:
 - a. The structure is water tight with walls substantially impermeable to the passage of water from the lowest structural element to two feet above the Base Flood Elevation.
 - b. The structure will withstand the hydrostatic, hydrodynamic, buoyant, impact and other forces resulting from the flood depths, velocities, pressures, and other factors associated with the Base Flood.

Further as required by Section 5.4 [Site Plan Criteria] of the Ordinance, Dominion Energy is submitting a preliminary site plan that includes, as applicable:

1. The name of a registered professional engineer responsible for providing the information required in this section.
2. A map showing the location of the proposed Project with respect to Floodplain Areas,
3. Detailed information giving the location and elevation of proposed roads and utilities, as well as contours at intervals of two (2) or five (5) feet depending upon the slope of the land and accurately identifying the boundaries of the Floodplain Area. A registered professional engineer has certified the site plan.
4. The Base Flood Elevation data and delineated Floodway based on a Flood Insurance Study (FIS), dated July 11, 2017 from FEMA.

Because the Project is primarily underground, the majority of the Specific Requirements set forth in Article VI of the Ordinance do not apply. With regard to Section 6.1(J)(3), SHP's utilities and facilities will be located and constructed to minimize or eliminate flood damage.²

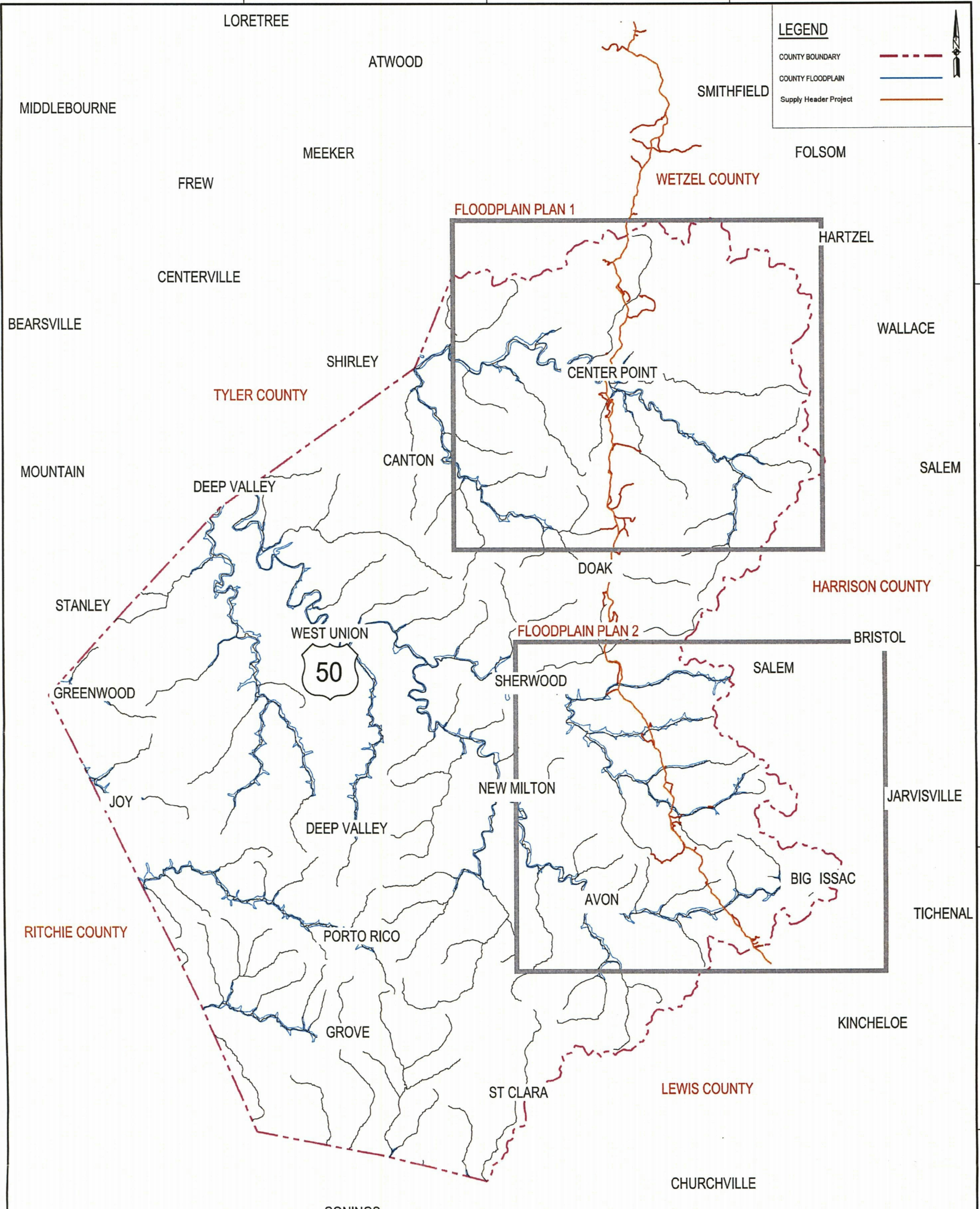
For the approximately 1.16 miles (0.54 miles of pipeline, 0.62 miles of access roads) of floodplain crossing in Doddridge County, Dominion Energy has prepared No-Rise Certificates, which confirm that the proposed 30-inch diameter pipeline and access roads proposed as part of the SHP will not impact flood elevations, floodway elevations or floodway widths in Doddridge County. These No-Rise Certificates have been sealed by professional engineers licensed in the State of West Virginia.

The temporary contractor yards located within 2.5 acres of the floodplain are temporary, and will be removed after construction; therefore, they will not have a permanent impact to the floodplain. Once the contractor yards are removed, the original contours of the floodplain will be restored.

IV. Conclusion

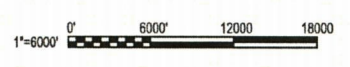
As described in Dominion Energy's application materials, the SHP will be a necessary natural gas transmission system that meets the standards for approval of a Floodplain Permit for floodplain crossings in Doddridge County. The SHP will comply with the provisions of all applicable ordinances, regulations, standards, and conditions. For the reasons set forth herein, Dominion Energy respectfully requests approval of its Floodplain Permit application.

² Dominion Energy has also complied with the application requirements set forth in Section 7.3 of the ordinance (see Attachments 1 and 4, and the materials included herein).



LEGEND

- COUNTY BOUNDARY ---
- COUNTY FLOODPLAIN ---
- Supply Header Project ---

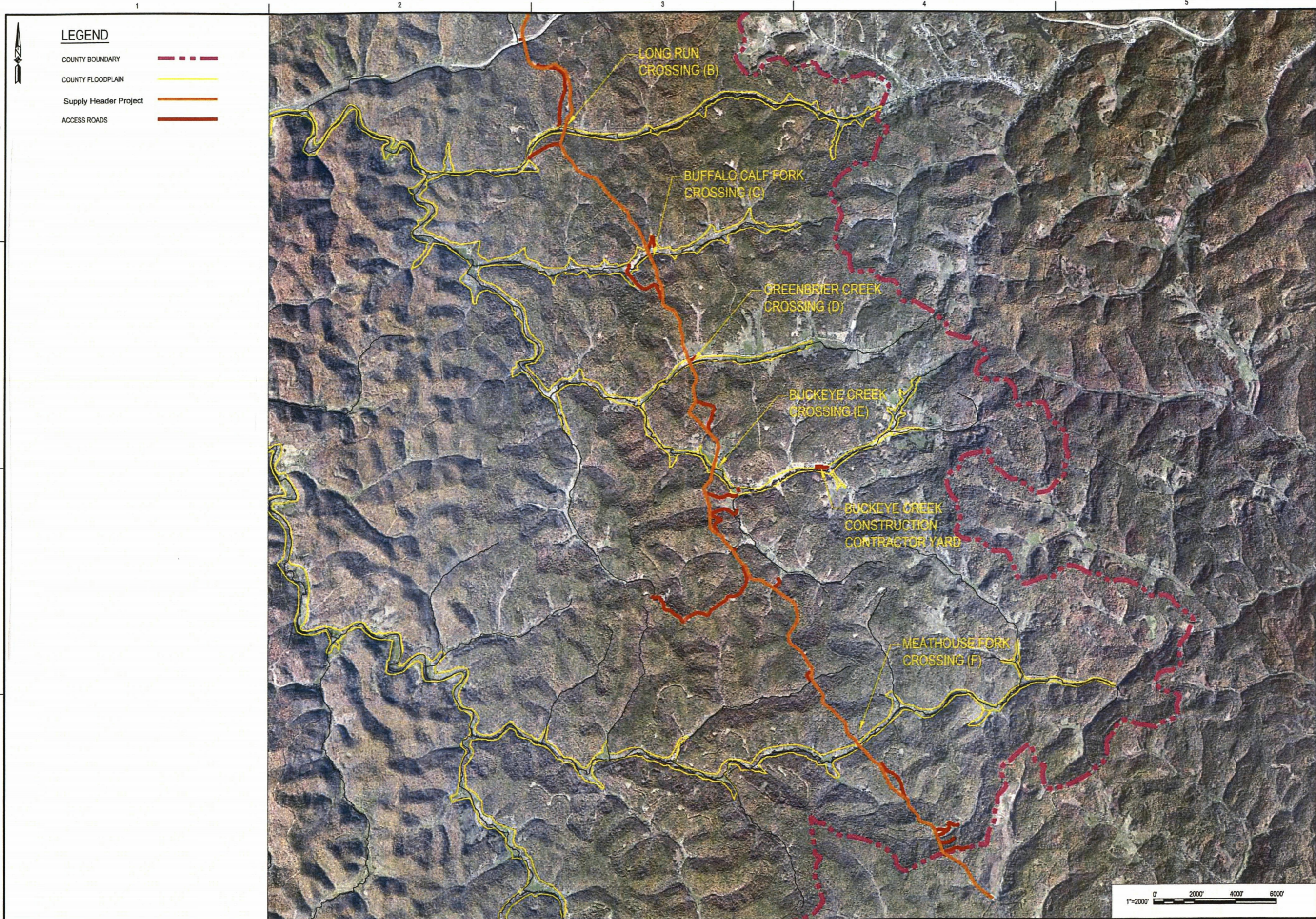


NOTES

1. OWNER POINT OF CONTACT:
DET1
5000 DOMINION BLVD.
GLEN ALLEN, VA 23060
CONTACT: ROBERT HARE
PHONE: (804) 314-2832
EMAIL: ROBERT.P.HARE@DOMINIONENERGY.COM
 2. AGENT:
ERM
1701 GOLF ROAD - SUITE 1-700
ROLLING MEADOWS, IL 60008
CONTACT: LAUREN ZIELKE
PHONE: (847) 258-8941
EMAIL: LAUREN.ZIELKE@ERM.COM
 3. CONTRACTOR:
Ace Pipeline, Inc.
189 Carrier Way, Suite 2
Scott Depot, WV 25560
Contact: Jeff Wade
Phone: 304-989-4871
E-mail: jwade@acepipeline.com
 4. NO RISE ENGINEER:
IS ENGINEERING AND CONSULTING, LLC
1160 JOHNSON AVE - SUITE 101
BRIDGEPORT, WV 26330
CONTACT: DAVID MORDAN, JR.
PHONE: (304) 848-6730
EMAIL: DMORDAN@ENGINEERINGLLC.COM
- SEE NO RISE CERTIFICATIONS FOR INDIVIDUAL CROSSING DATA AND LARGE SCALE PLANS

OVERALL	SKETCH NO.: Supply Header Project FLOODPLAIN PERMITS DODDRIDGE COUNTY, WEST VIRGINIA	 1011 Boulder Springs Drive, Suite 200 Richmond, Virginia 23225 804.592.3900 main 804.592.3901 fax www.brockenbrough.com	DRAWING TITLE: FLOODPLAIN PERMITS OVERALL COUNTY MAP	DRAWN BY: KDS
			PROJECT: Supply Header Project	DATE: 6/9/17
			OWNER/CLIENT: OWNER: ATLANTIC COAST PIPELINE, LLC CLIENT: ERM	JOB NO.: 17-022

FILE NAME: C:\msdcsd\Temp\p000_27818252\WORKING_LAYOUT\NAME_PLANS_PLOTTED_Monday, July 17, 2017 1:08pm USER: D:\p



LEGEND

- COUNTY BOUNDARY ---
- COUNTY FLOODPLAIN ---
- Supply Header Project ---
- ACCESS ROADS ---

<p>Austin Brockenbrough ENGINEERING · CONSULTING 1011 Boulder Springs Drive, Suite 200 Richmond, Virginia 23225 804.592.9500 main 804.592.9501 fax www.brockenbrough.com</p>	<p>DRAWING TITLE FLOODPLAIN PERMITS COUNTY MAP</p> <p>PROJECT Supply Header Project</p> <p>OWNER: ATLANTIC COAST PIPELINE, LLC CLIENT: ERM</p>				
<p>Supply Header Project FLOODPLAIN PERMITS DODDRIDGE COUNTY, WEST VIRGINIA</p>					
<p>SKETCH NO: PLAN 2</p>					
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DRAWN BY: KDS	DATE: 6/9/17	JOB NO.:	17-022		

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of West Virginia.

It is to further certify that the attached technical data supports the fact that proposed 30-inch TL-635 Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on Buckeye Creek at published sections in the Flood Insurance Rate Map for Doddridge County, WV 54017C0255C, dated October 4, 2011 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map

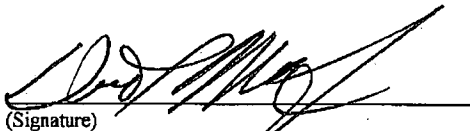
Proposed Pipeline TL-635 Crossing Buckeye Creek 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing Buckeye Creek 2 of 3

Plan and Profile

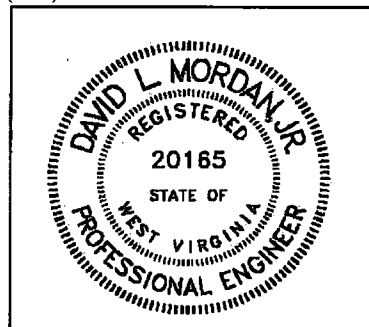
Proposed Pipeline TL-635 Crossing Buckeye Creek 3 of 3

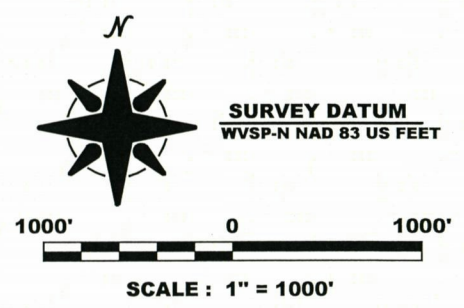
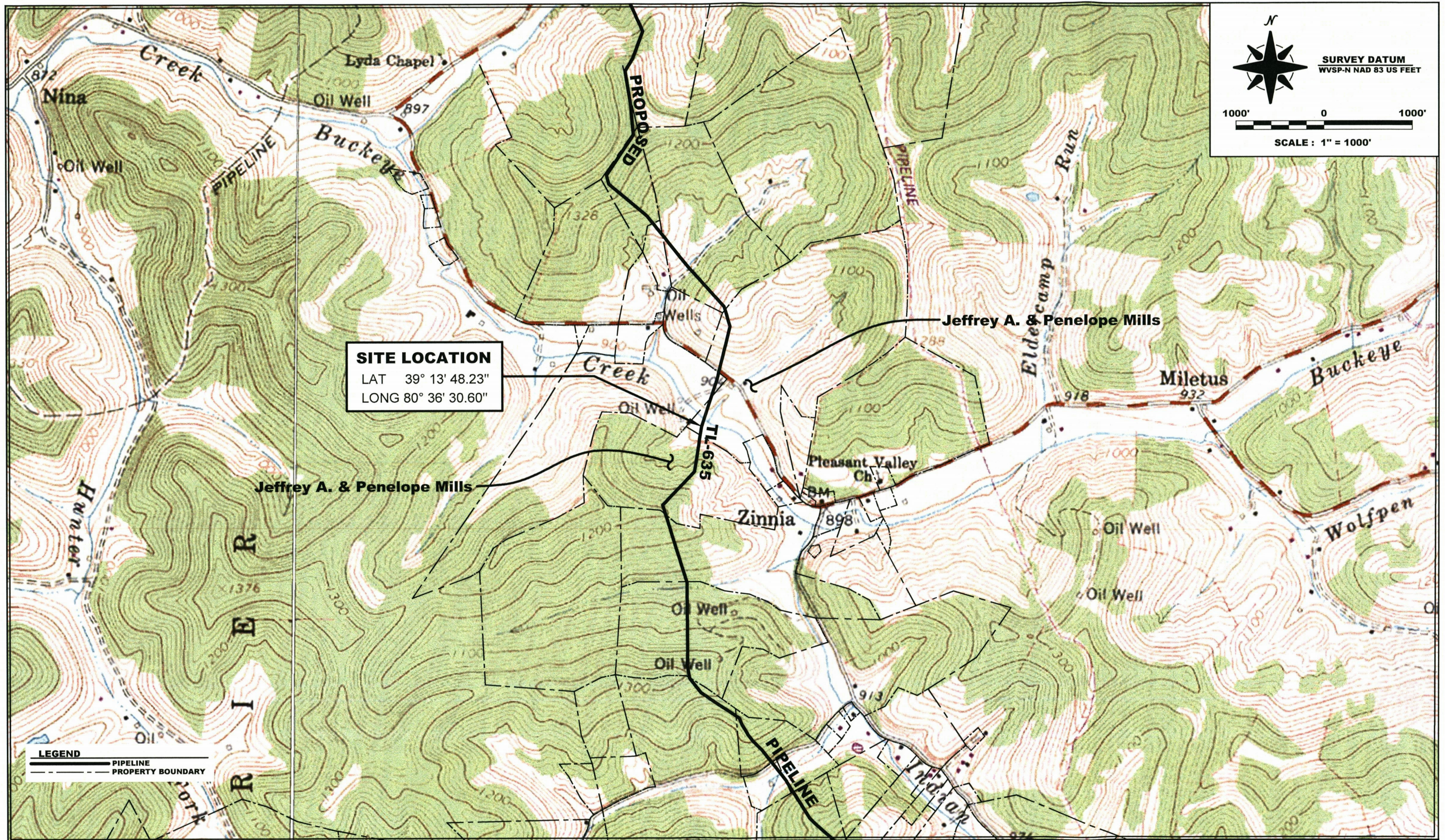

(Signature)

Owner
(Title)

I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

July 11, 2017
(Date)





SITE LOCATION
 LAT 39° 13' 48.23"
 LONG 80° 36' 30.60"

LEGEND
 ——— PIPELINE
 - - - - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
 U.S.G.S. TOPOGRAPHIC MAPS
 BIG ISAAC & NEW MILTON, WV 7.5' QUADRANGLES.

SYM	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 INTEGRITY · INITIATIVE · INNOVATION
 DRAWN: ALC 6/30/17
 CHECKED: RVS / DLM 6/30/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000
PROJECT LOCATION MAP
PROPOSED PIPELINE TL-635 CROSSING BUCKEYE CREEK
 DISTRICT: GREENBRIER COUNTY: DODDRIDGE STATE: WV GROUP: DWG. NO.: 1 of 3 REV: 0
 D:\FILE: DOM\ACP\FloodplainPermit\DoddridgeBuckeyeCreek

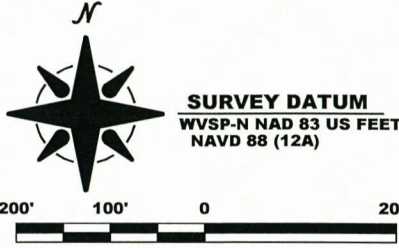
FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE AE AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAP, 54017C DODDRIDGE COUNTY, WV. UN-INCORPORATED AREAS, PANEL NUMBER 0255C, EFFECTIVE DATE OCTOBER 4, 2011.

ZONE AE IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS DETERMINED.

ZONE X IS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREA LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAPS.



SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

200' 100' 0 200'

SCALE: 1" = 200'



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYMBOL	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

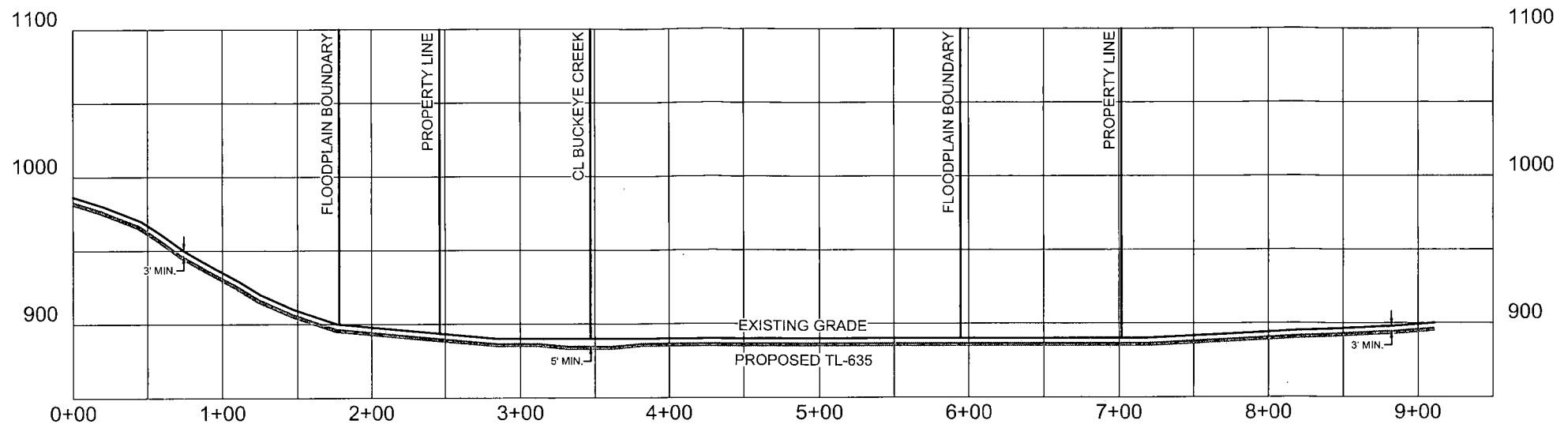
ALC 6/30/17
DRAWN: ALC 6/30/17
CHECKED: RVS / DLM 6/30/17
APP. FOR BID:
APP. FOR CONST.:
SCALE: 1" = 200'

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

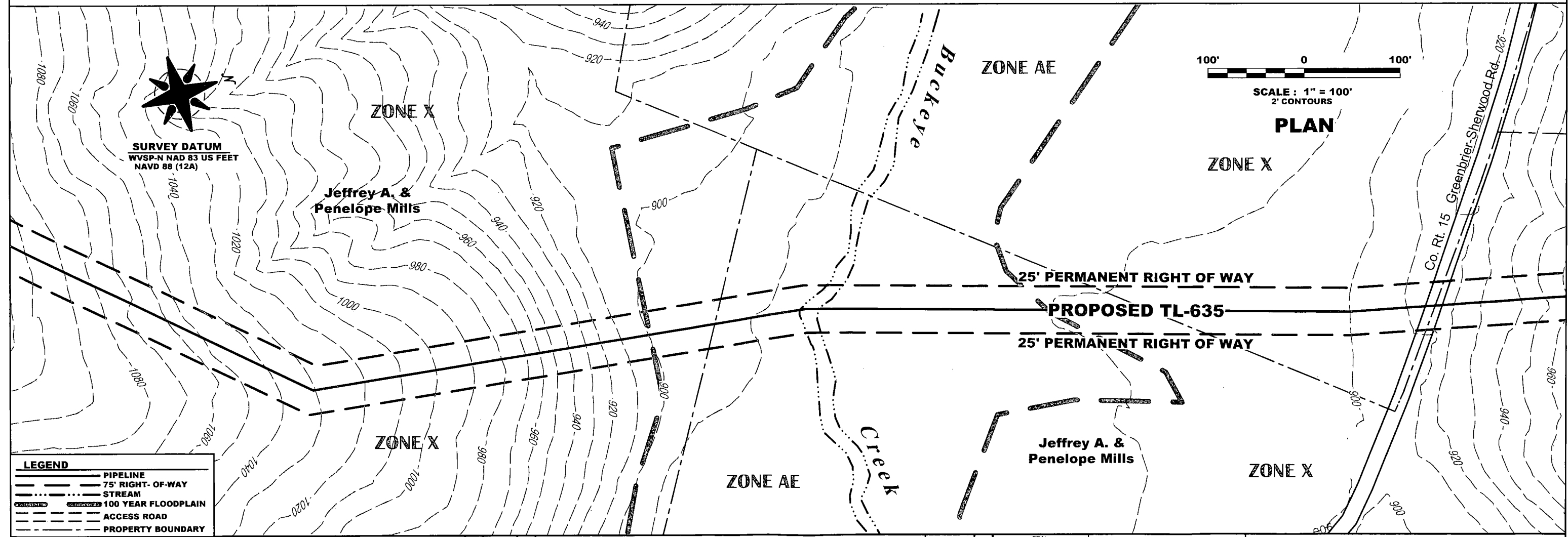
TITLE: FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING BUCKEYE CREEK

DISTRICT: GREENBRIER	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/BuckeyeCreek			2 of 3	0	0

NOTES:
 1. EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
 SCALE: 1" = 100' Horizontal & Vertical



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.

Engineering and Consulting, LLC
 INTELLIGENCE · INITIATIVE · INNOVATION

DRAWN: ALC 6/30/17
 CHECKED: RVS / DLM 6/30/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 100'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd., Bridgeport, West Virginia 26330 / 681-842-8000

PLAN & PROFILE
PROPOSED PIPELINE TL-635 CROSSING BUCKEYE CREEK

DISTRICT: GREENBRIER COUNTY: DODDRIDGE STATE: WV GROUP: DWG. NO.: 3 of 3 REV: 0
 DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/BuckeyeCreek

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of West Virginia.

It is to further certify that the attached technical data supports the fact that proposed 30-inch TL-635 Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on Buffalo Calf Fork at published sections in the Flood Insurance Rate Map for Doddridge County, WV 54017C0165C, dated October 4, 2011 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map

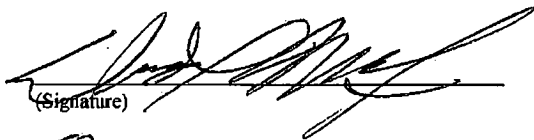
Proposed Pipeline TL-635 Crossing Buffalo Calf Fork 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing Buffalo Calf Fork 2 of 3

Plan and Profile

Proposed Pipeline TL-635 Crossing Buffalo Calf Fork 3 of 3

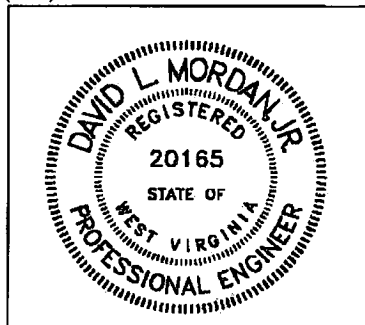

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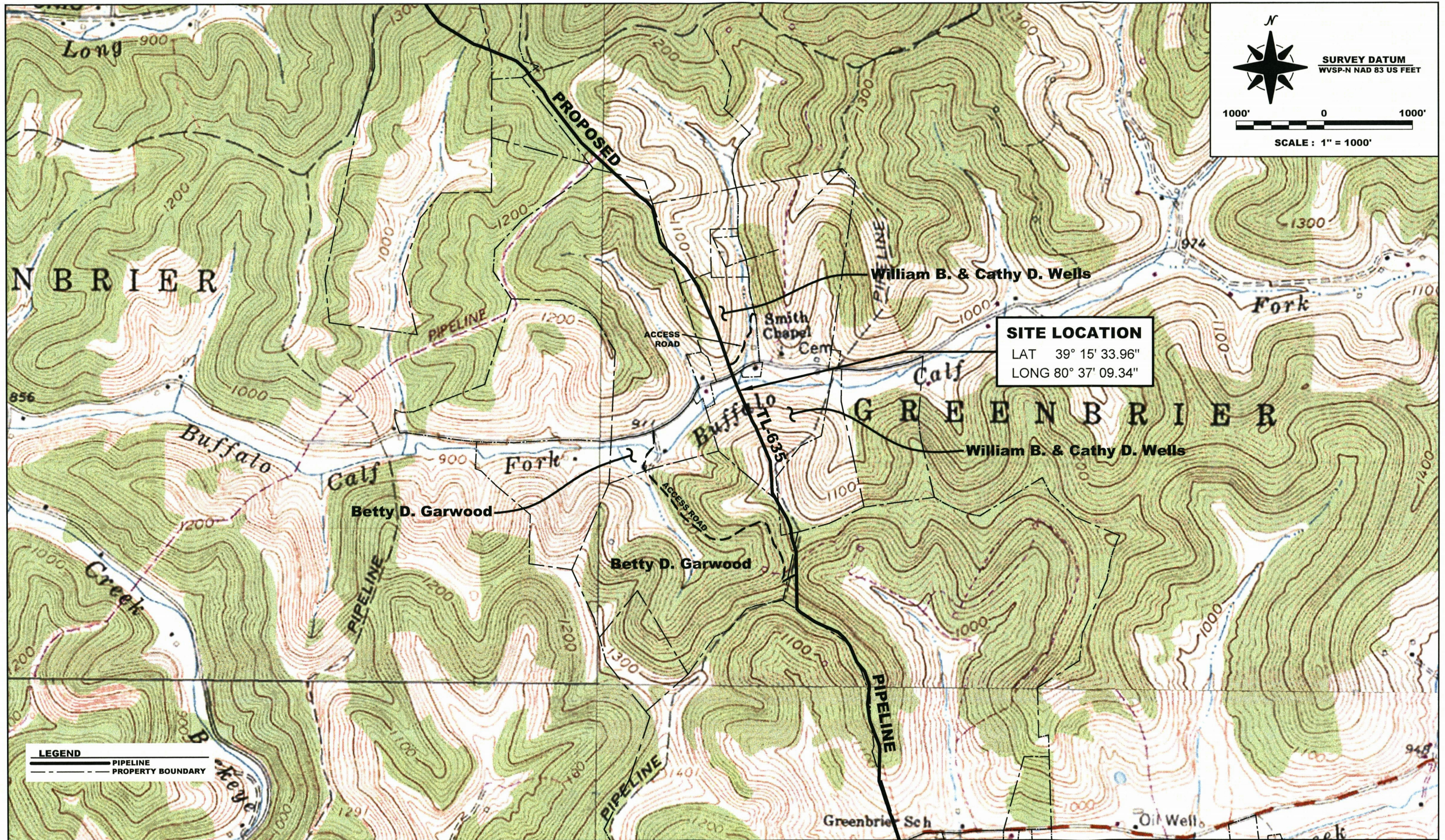
Owner

(Title)


I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

July 11, 2017
(Date)





N



SURVEY DATUM
WVSP-N NAD 83 US FEET

1000' 0 1000'

SCALE : 1" = 1000'

SITE LOCATION
 LAT 39° 15' 33.96"
 LONG 80° 37' 09.34"

LEGEND
 ——— PIPELINE
 - - - - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
 U.S.G.S. TOPOGRAPHIC MAPS
 BIG ISAAC, NEW MILTON, SALEM & SMITHBURG, WV 7.5' QUADRANGLES.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 INTEGRITY • INITIATIVE • INNOVATION

DRAWN: ALC 6/29/17
 CHECKED: RVS / DLM 6/29/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PROJECT LOCATION MAP

PROPOSED PIPELINE TL-635 CROSSING BUFFALO CALF FORK

DISTRICT: GREENBRIER COUNTY: DODDRIDGE STATE: WV GROUP: DWG. NO.: REV:
 DIRFILE: DOM/ACP/FloodplainPermit/Doddridge/BufaloCalfFork 1 of 3 0

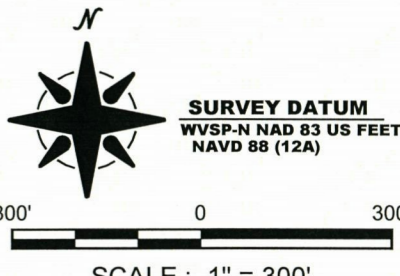
FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE A AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAP, 54017C DODDRIDGE COUNTY, WV, UN-INCORPORATED AREAS, PANEL NUMBER 0165C, EFFECTIVE DATE OCTOBER 4, 2011.

ZONE A IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATED BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. NO BASE ELEVATION DETERMINED.

ZONE X IS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREA LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAPS.



SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

300' 0 300'

SCALE : 1" = 300'



LEGEND

- PIPELINE
- - - 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- - - ACCESS ROAD
- - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

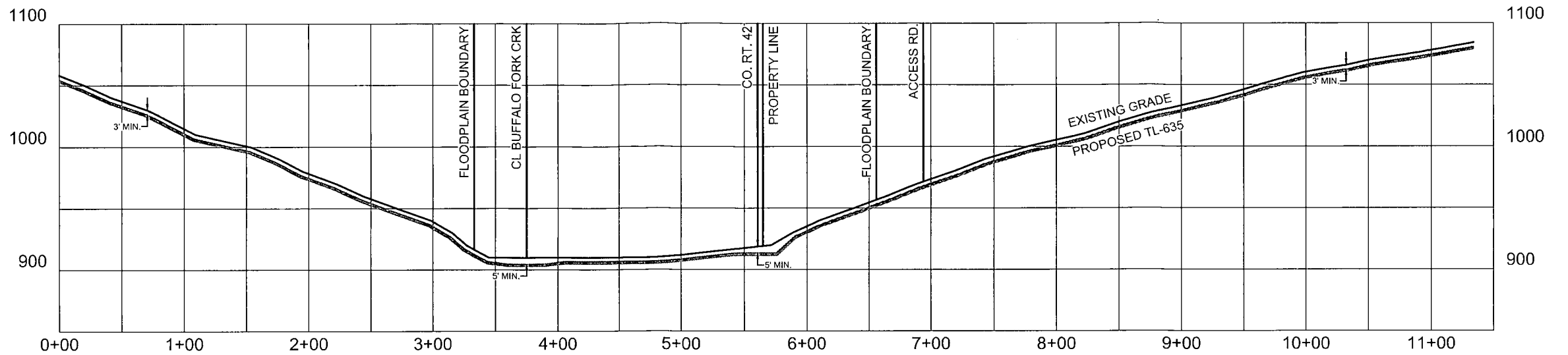
DRAWN: ALC 6/29/17
CHECKED: RVS / DLM 6/29/17
APP. FOR BID:
APP. FOR CONST.:
SCALE: 1" = 300'

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

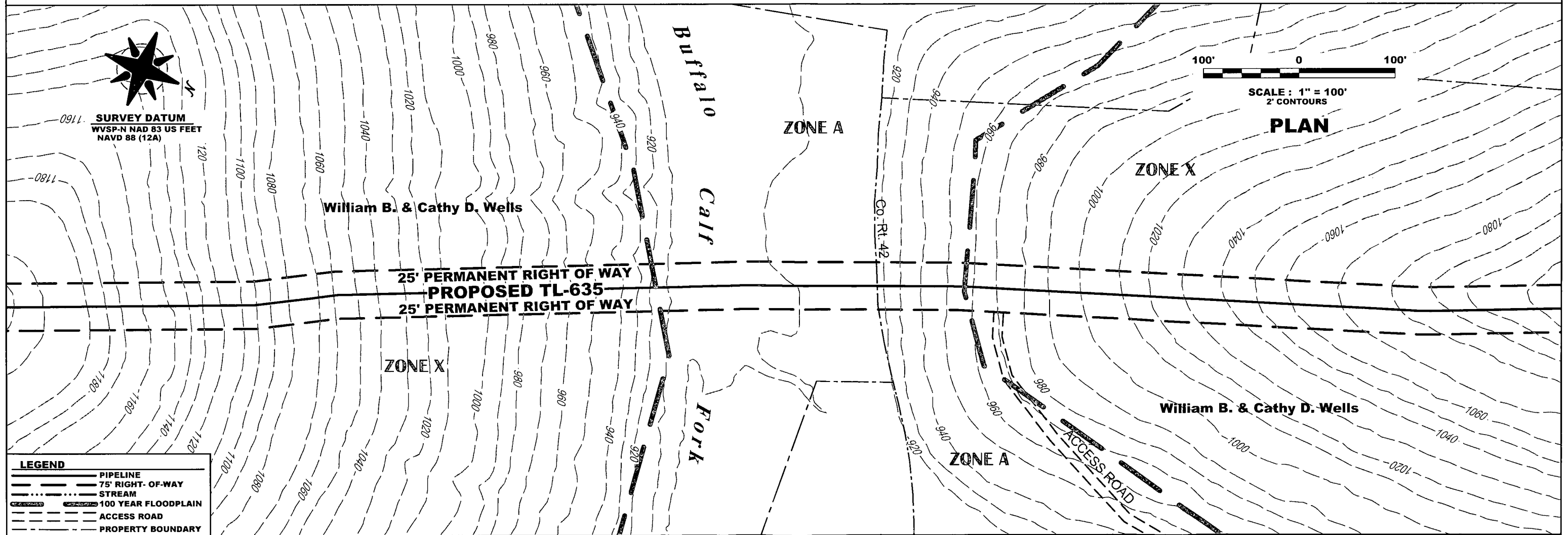
TITLE:
FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING BUFFALO CALF FORK

DISTRICT: GREENBRIER	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/BufaloCalfFork				2 of 3	0

NOTES:
 1. EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
 SCALE : 1" = 100' Horizontal & Vertical



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:
 REFERENCE
 LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 UTILITY • INFRASTRUCTURE • INNOVATION

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PROPOSED PIPELINE TL-635 CROSSING BUFFALO CALF FORK

DISTRICT: GREENBRIER COUNTY: DODDRIDGE STATE: WV GROUP: DWG. NO.: REV.:

3 of 3 0

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of West Virginia.

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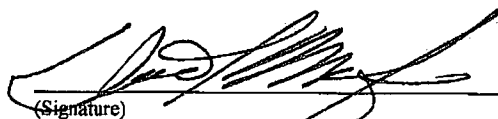
Proposed Pipeline TL-635 Crossing Greenbrier Creek 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing Greenbrier Creek 2 of 3

Plan and Profile

Proposed Pipeline TL-635 Crossing Greenbrier Creek 3 of 3

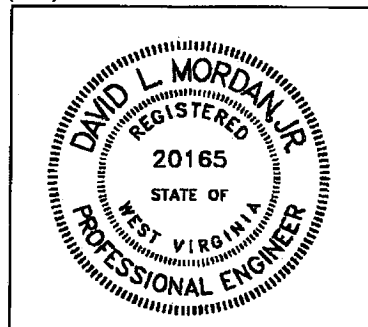

(Signature)

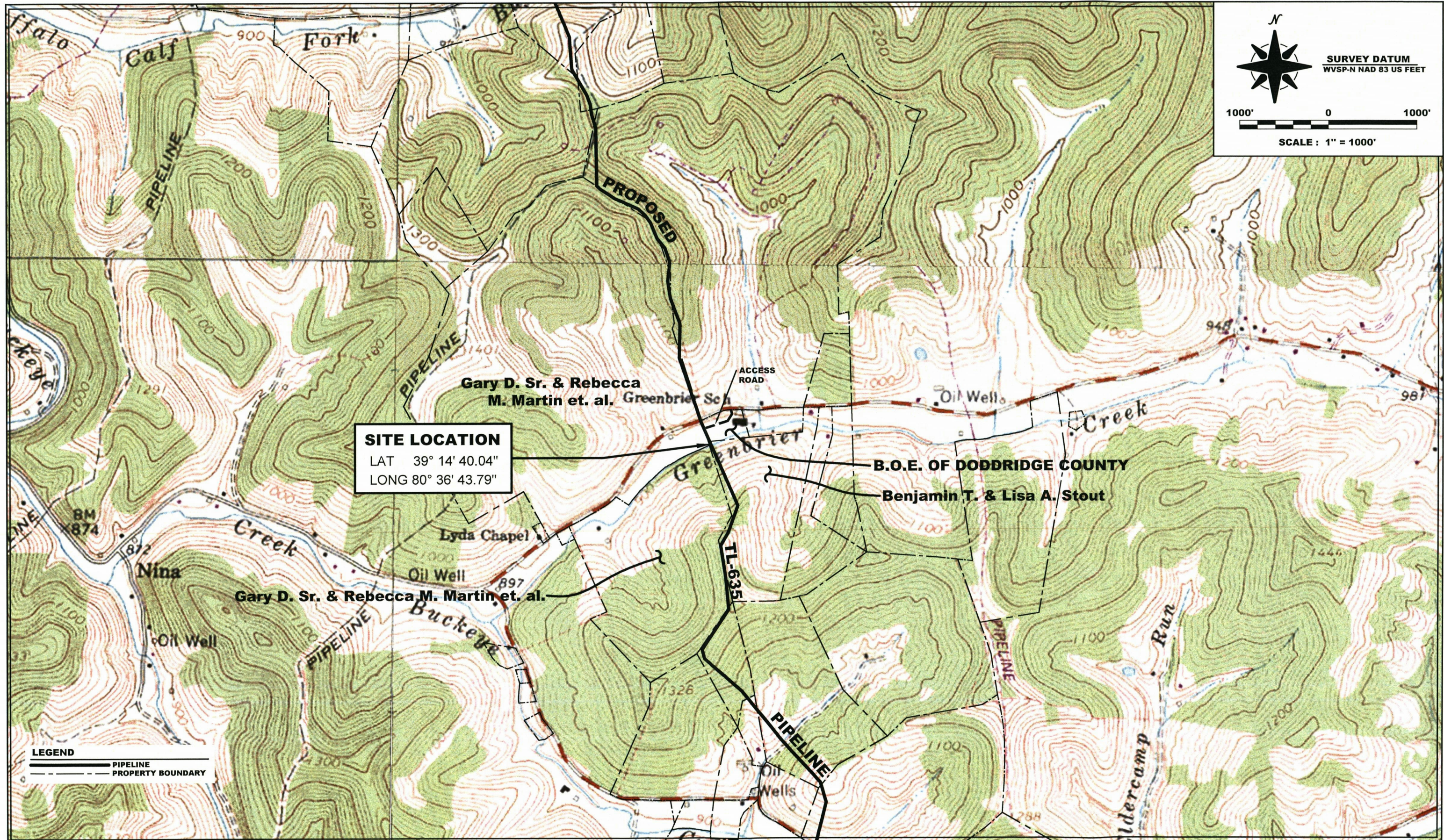
Owner

(Title)


I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

July 11, 2017
(Date)





N



SURVEY DATUM
WVSP-N NAD 83 US FEET

1000' 0 1000'

SCALE : 1" = 1000'

SITE LOCATION
 LAT 39° 14' 40.04"
 LONG 80° 36' 43.79"

LEGEND
 ——— PIPELINE
 - - - - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
 U. S. G. S. TOPOGRAPHIC MAPS
 BIG ISAAC, NEW MILTON, SALEM & SMITHBURG, WV 7.5' QUADRANGLES.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 INTEGRITY • INITIATIVE • INNOVATION

DL

DRAWN: ALC 6/30/17
 CHECKED: RVS / DLM 6/30/17
 APP. FOR CONST.:
 SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PROJECT LOCATION MAP

PROPOSED PIPELINE TL-635 CROSSING GREENBRIER CREEK

DISTRICT: GREENBRIER	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR:FILE: DOM/ACP/FloodplainPermit/Doddridge/GreenbrierCreek				1 of 3	0

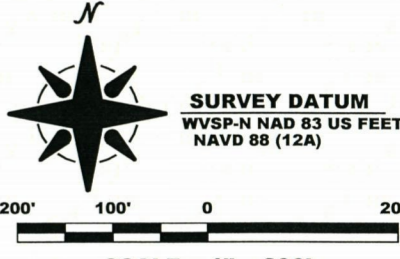
FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE AE AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAP, 54017C DODDRIDGE COUNTY, WV. UN-INCORPORATED AREAS, PANEL NUMBER 0255C, EFFECTIVE DATE OCTOBER 4, 2011.

ZONE AE IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS DETERMINED.

ZONE X IS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREA LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAPS.



SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

200' 100' 0 200'

SCALE: 1" = 200'



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

ALC

DRAWN: ALC 6/30/17
CHECKED: RVS / DLM 6/30/17
APP. FOR BID:
APP. FOR CONST.:
SCALE: 1" = 200'

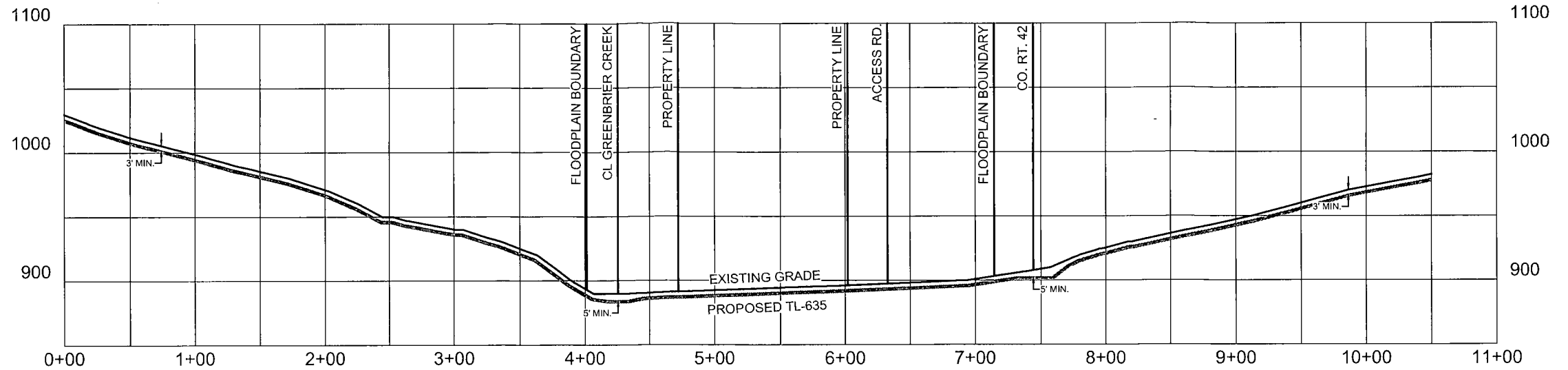
Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE: FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING GREENBRIER CREEK

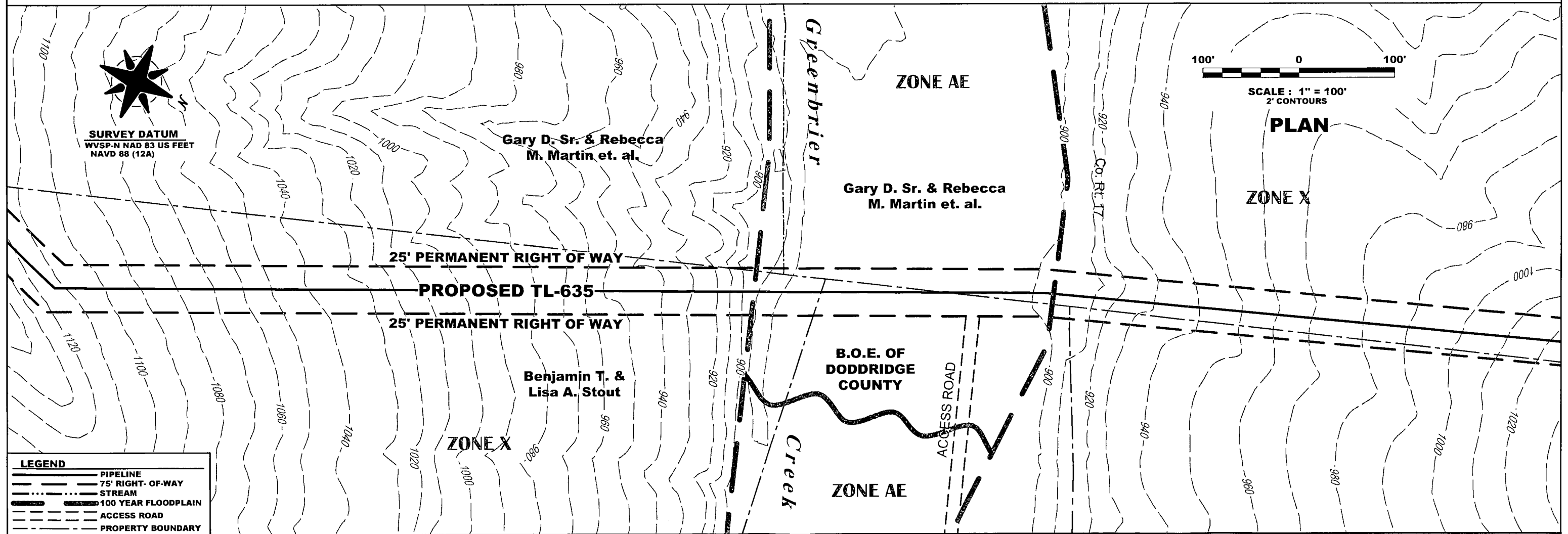
DISTRICT: GREENBRIER	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/GreenbrierCreek				2 of 3	0

NOTES:

1. EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
SCALE : 1" = 100' Horizontal & Vertical



LEGEND

	PIPELINE
	75' RIGHT-OF-WAY
	STREAM
	100 YEAR FLOODPLAIN
	ACCESS ROAD
	PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY · INTEGRITY · INTEGRITY

DRAWN:	ALC	6/30/17
CHECKED:	RVS / DLM	6/30/17
APP. FOR BID:		
APP. FOR CONST.:		
SCALE:	1" = 100'	

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PLAN & PROFILE
PROPOSED PIPELINE TL-635 CROSSING GREENBRIER CREEK

DISTRICT:	GREENBRIER	COUNTY:	DODDRIDGE	STATE:	WV	GROUP	DWG. NO.	REV.
DIR/FILE:	DOM/ACP/FloodplainPermit/Doddridge/GreenbrierCreek						3 of 3	0

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of West Virginia.

It is to further certify that the attached technical data supports the fact that proposed 30-inch TL-635 Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on Long Run at published sections in the Flood Insurance Rate Map for Doddridge County, WV 54017C0145C, dated October 4, 2011 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map

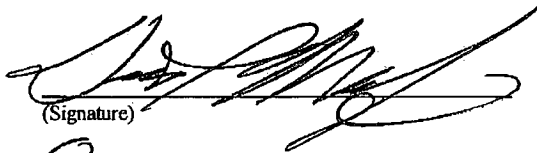
Proposed Pipeline TL-635 Crossing Long Run 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing Long Run 2 of 3

Plan and Profile

Proposed Pipeline TL-635 Crossing Long Run 3 of 3

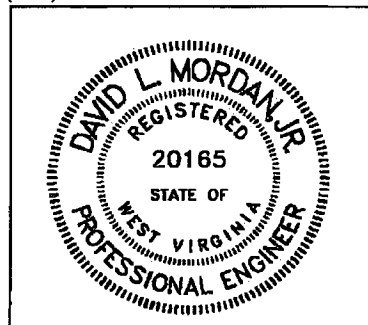

(Signature)

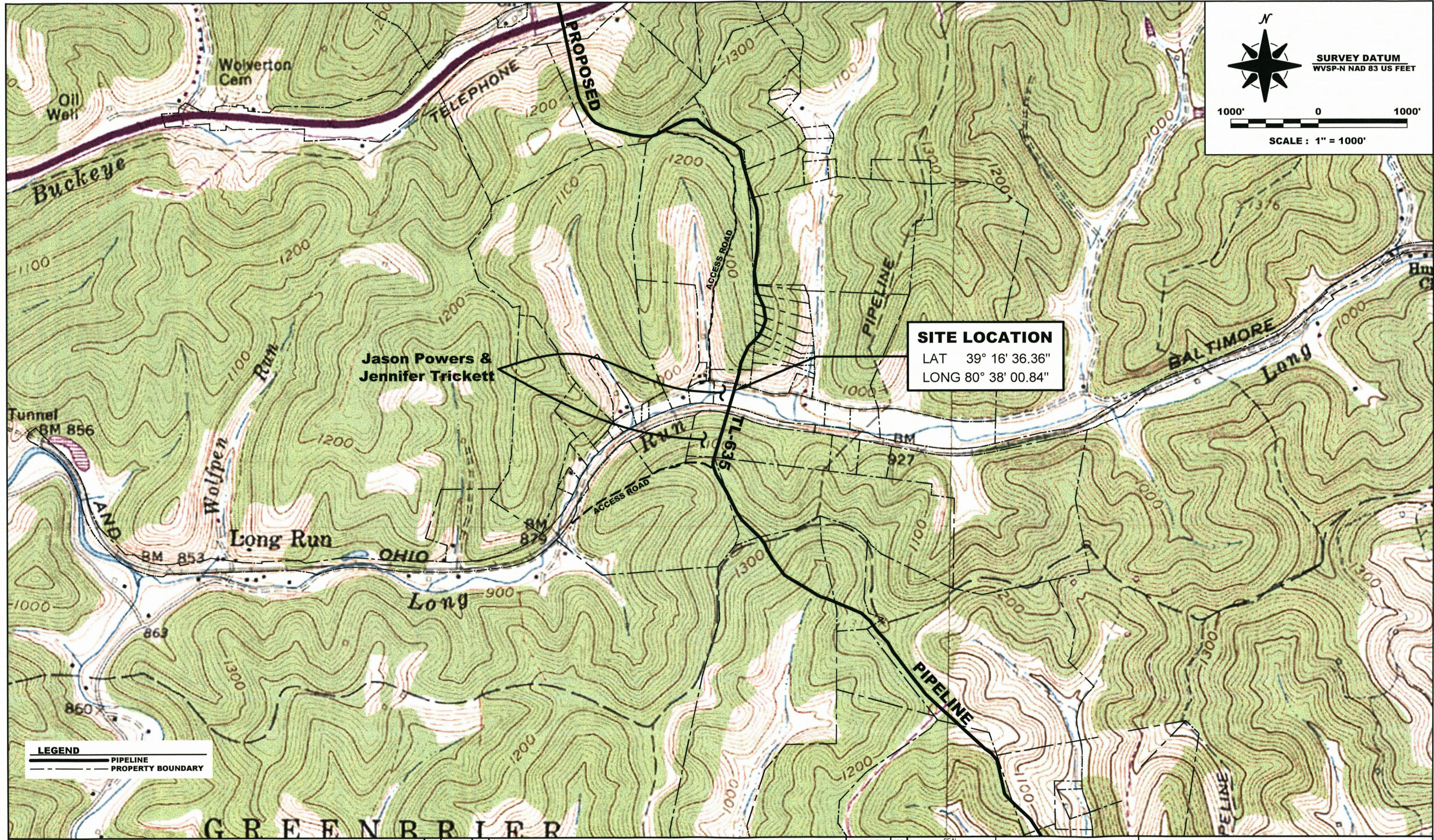
Owner

(Title)


I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

July 11, 2017
(Date)





N



SURVEY DATUM
WVSP-N NAD 83 US FEET

1000' 0 1000'

SCALE: 1" = 1000'

SITE LOCATION
 LAT 39° 16' 36.36"
 LONG 80° 38' 00.84"

LEGEND

—— PIPELINE
 - - - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
 U.S.G.S. TOPOGRAPHIC MAPS
 SALEM & SMITHBURG, WV 7.5' QUADRANGLES.

SYM	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 INTEGRITY • INITIATIVE • INNOVATION

l3

DRAWN: ALC 6/28/17
 CHECKED: RVS / DLM 6/28/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 1000'


Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000


PROJECT LOCATION MAP
PROPOSED PIPELINE TL-635 CROSSING LONG RUN

DISTRICT: GRANT	COUNTY: DODDRIDGE	STATE: WV	GROUP:	DWG. NO.:	REV.:
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/LongRun				1 of 3	0

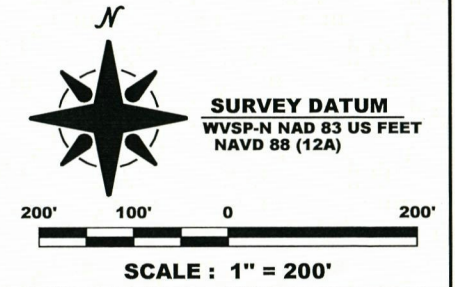
FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE AE AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAPS, 54017C DODDRIDGE COUNTY, WV. UNINCORPORATED AREAS, PANEL NUMBER 0145C, EFFECTIVE DATE OCTOBER 4, 2011.

 ZONE AE IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOW AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS DETERMINED.

 ZONE X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAP.









SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

200' 100' 0 200'

SCALE : 1" = 200'



LEGEND

-  PIPELINE
-  75' RIGHT-OF-WAY
-  STREAM
-  100 YEAR FLOODPLAIN
-  ACCESS ROAD
-  PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
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DRAWN: ALC 6/28/17
CHECKED: RVS / DLM 6/28/17
APP. FOR BID:
APP. FOR CONST.:
SCALE: 1" = 200'

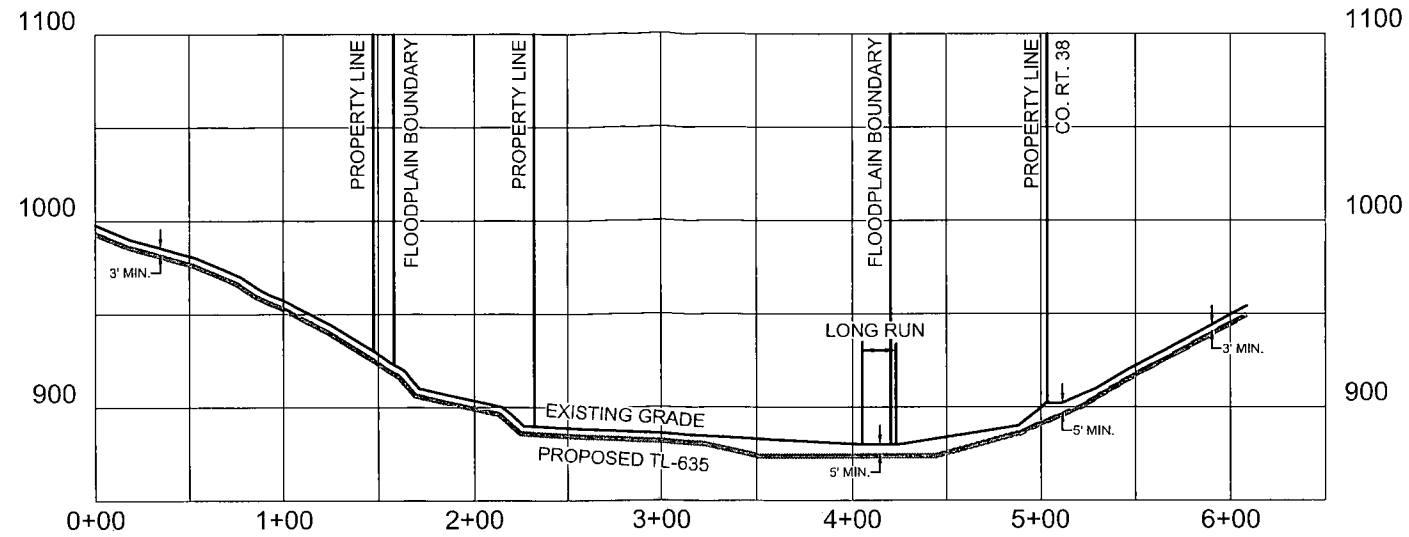
Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE:
FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING LONG RUN

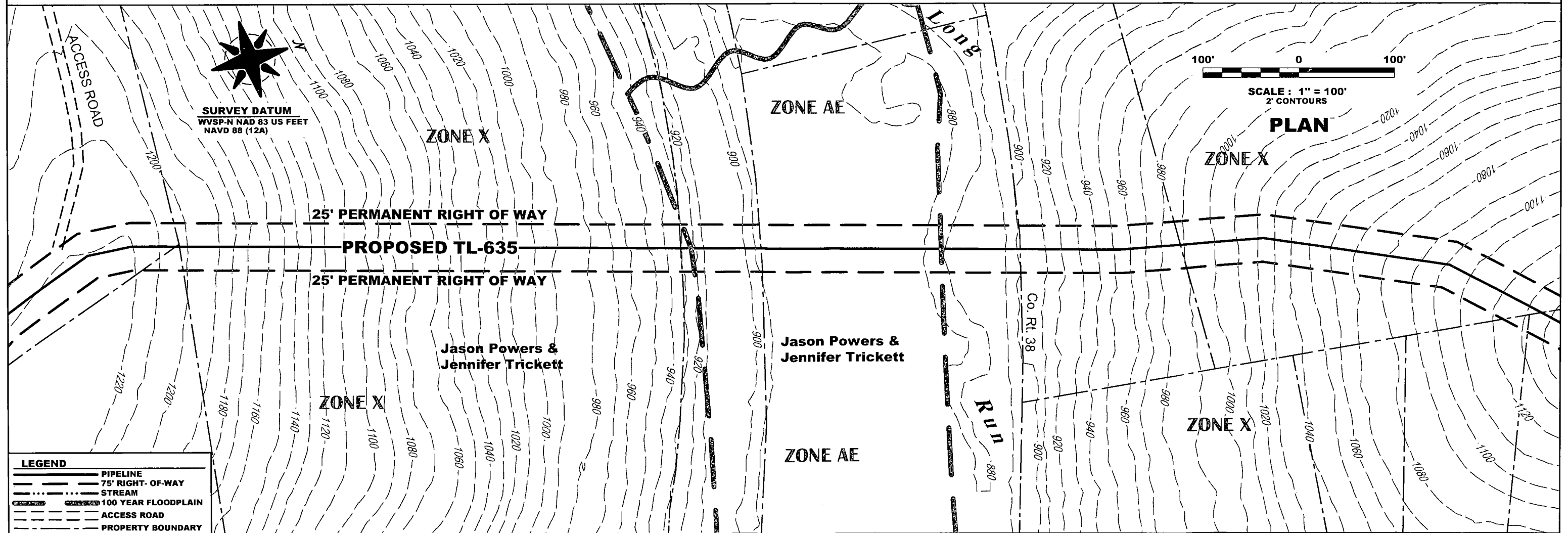
DISTRICT: GRANT	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/LongRun			2 of 3	0	

NOTES:

- EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
SCALE : 1" = 100' Horizontal & Vertical



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

DRAWN: ALC 6/28/17
CHECKED: RVS / DLM 6/28/17
APP. FOR BID: [Signature]
APP. FOR CONST.: [Signature]
SCALE: 1" = 100'

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PLAN & PROFILE
PROPOSED PIPELINE TL-635 CROSSING LONG RUN

DISTRICT: GRANT COUNTY: DODDRIDGE STATE: WV GROUP: [] DWG. NO.: [] REV: []
DIRFILE: DOM/ACP/FloodplainPermit/Doddridge/LongRun 3 of 3 0

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of West Virginia.

It is to further certify that the attached technical data supports the fact that proposed 30-inch TL-635 Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on McElroy Creek at published sections in the Flood Insurance Rate Map for Doddridge County, WV 54017C0045C, dated October 4, 2011 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map


Proposed Pipeline TL-635 Crossing McElroy Creek 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing McElroy Creek 2 of 3

Plan and Profile

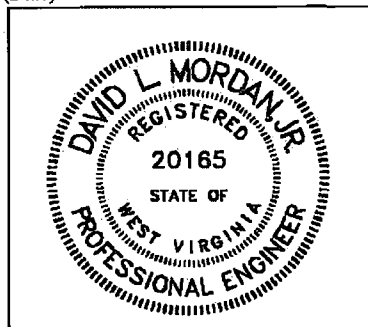
Proposed Pipeline TL-635 Crossing McElroy Creek 3 of 3

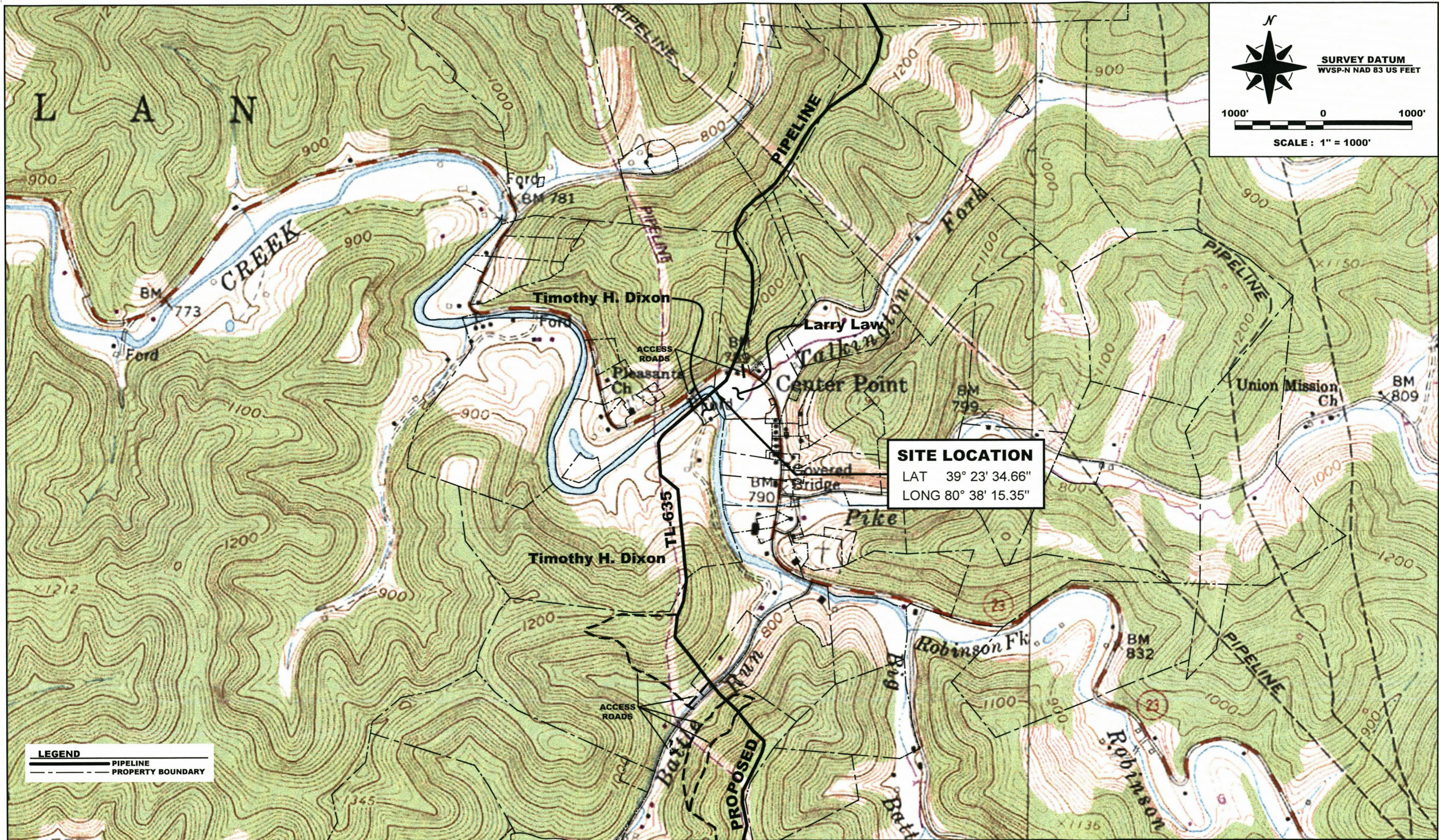

(Signature)

July 11, 2017
(Date)


Owner
(Title)

13 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730





N



SURVEY DATUM
WVSP-N NAD 83 US FEET

1000' 0 1000'

SCALE: 1" = 1000'

LEGEND

— PIPELINE

- - - PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
U.S.G.S. TOPOGRAPHIC MAPS
CENTER POINT & FOLSOM, WV 7.5' QUADRANGLES.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

I3 Engineering and Consulting, LLC
INTegrity • Initiative • Innovation

DRAWN: ALC 6/27/17

CHECKED: RVS / DLM 6/27/17

APP. FOR BID:

APP. FOR CONST.:

SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000


PROJECT LOCATION MAP


PROPOSED PIPELINE TL-635 CROSSING MC ELROY CREEK

DISTRICT: McCLELLAN	COUNTY: DODDRIDGE	STATE: WV	GROUP:	DWG. NO.:	REV.:
DIRFILE: DOM/ACP/FloodplainPermit/Doddridge/MCElroyCk				1 of 3	0

FLOOD PLAIN REFERENCE

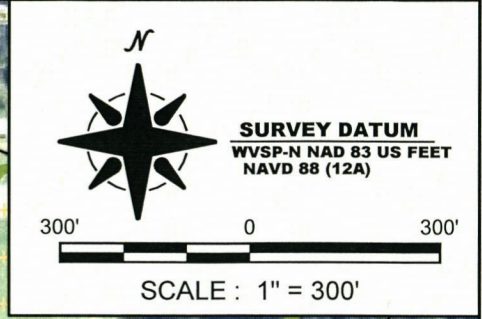
THE PROPERTY IS LOCATED IN ZONE AE AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAPS, 54017C DODDRIDGE COUNTY, WV. UNINCORPORATED AREAS, PANEL NUMBER 0045C, EFFECTIVE DATE OCTOBER 4, 2011.

 ZONE AE IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS DETERMINED.

 ZONE A IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. NO BASE FLOOD ELEVATIONS DETERMINED.

 ZONE X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

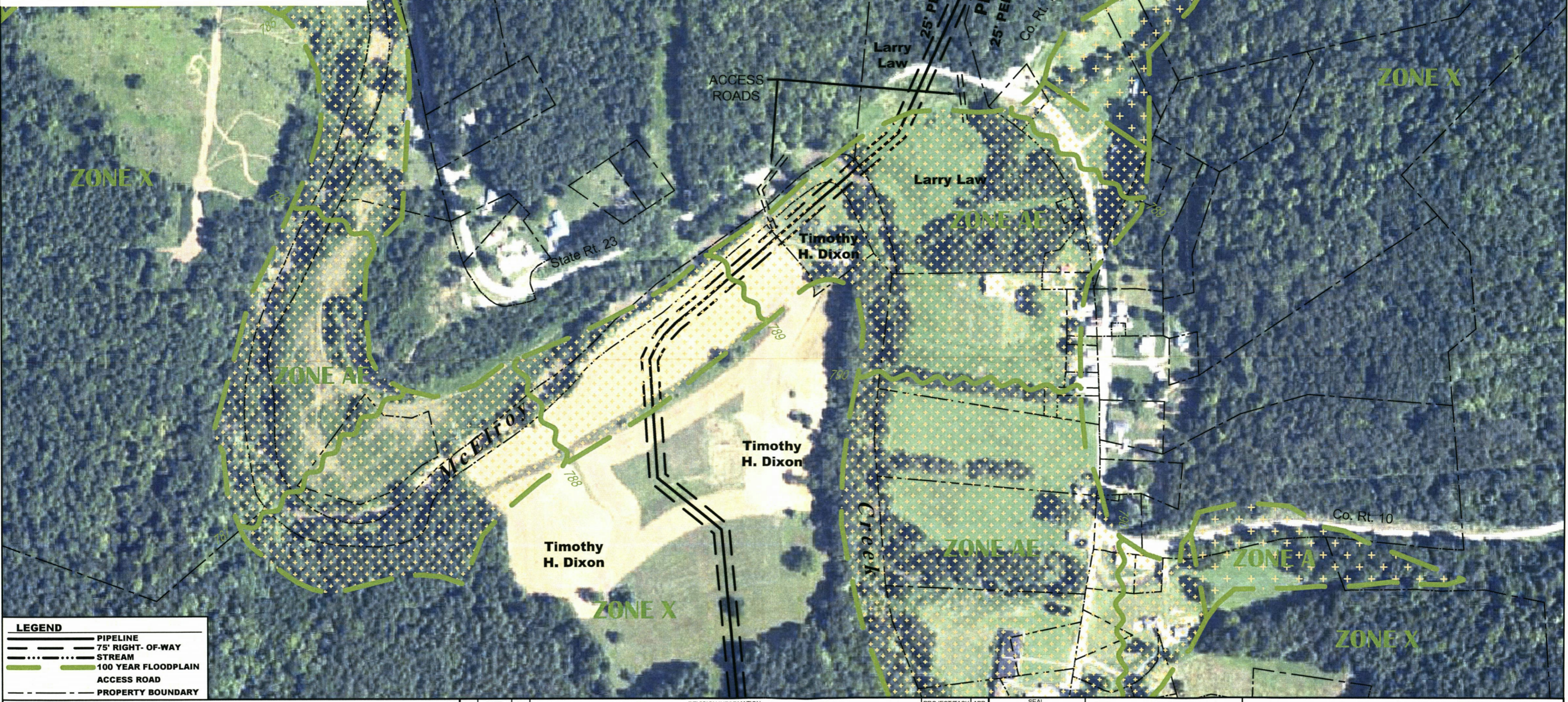
LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAP.




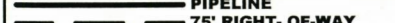



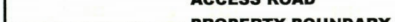
SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

300' 0 300'

SCALE : 1" = 300'



LEGEND

-  PIPELINE
-  75' RIGHT-OF-WAY
-  STREAM
-  100 YEAR FLOODPLAIN
-  ACCESS ROAD
-  PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTELLIGENCE • INITIATIVE • INNOVATION

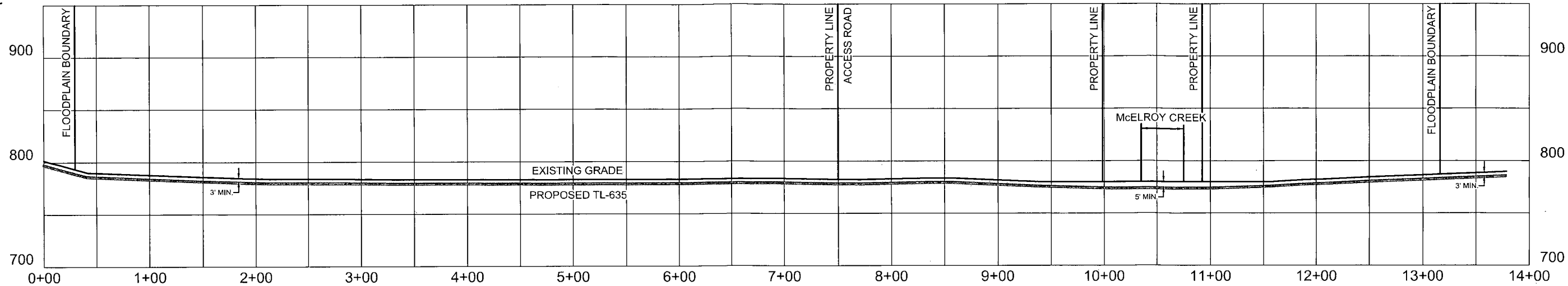
Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING MC ELROY CREEK

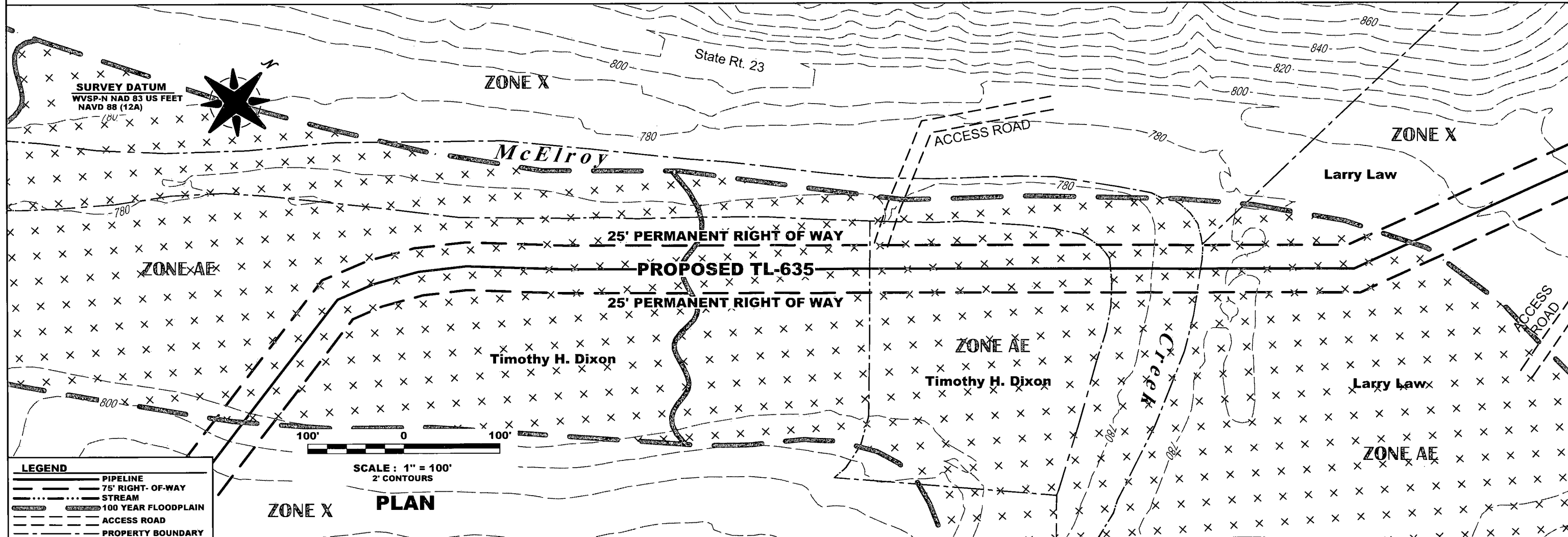
DRAWN: ALC	6/27/17	TITLE:	DISTRICT: McCLELLAN	COUNTY: DODDRIDGE	STATE: WV	GROUP:	DWG. NO.	REV.
CHECKED: RVS / DLM	6/27/17		DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/MCElroyCk				2 of 3	0
APP. FOR BID:								
APP. FOR CONST.:								
SCALE: 1" = 300'								

NOTES:

1. EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
SCALE: 1" = 100' Horizontal & Vertical



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- ... STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS

SYM	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
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Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PLAN & PROFILE
PROPOSED PIPELINE TL-635 CROSSING MC ELROY CREEK

DRAWN: ALC	6/27/17	TITLE:
CHECKED: RVS / DLM	6/27/17	
APP. FOR CONST.:		
SCALE: 1" = 100'		

DISTRICT: McCLELLAN	COUNTY: DODDRIDGE	STATE: WV	GROUP:	DWG. NO.:	REV.:
DR/FILE: DOM/ACP/FloodplainPermit/Doddridge/McElroyCk				3 of 3	0

ENGINEERING "NO-RISE" CERTIFICATION

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It is to further certify that the attached technical data supports the fact that proposed 30-inch TL-635 Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on Meathouse Fork at published sections in the Flood Insurance Rate Map for Doddridge County, WV 54017C0045C, dated October 4, 2011 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map

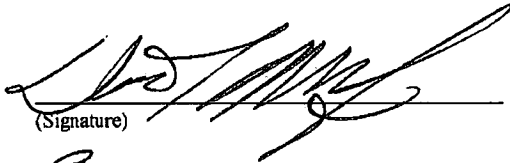
Proposed Pipeline TL-635 Crossing Meathouse Fork 1 of 3

Flood Plain Project Map

Proposed Pipeline TL-635 Crossing Meathouse Fork 2 of 3

Plan and Profile

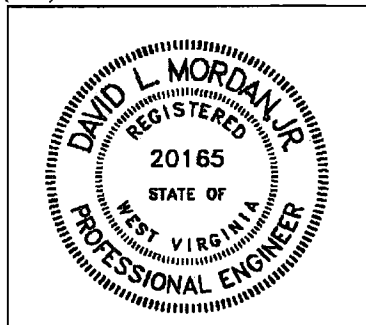
Proposed Pipeline TL-635 Crossing Meathouse Fork 3 of 3

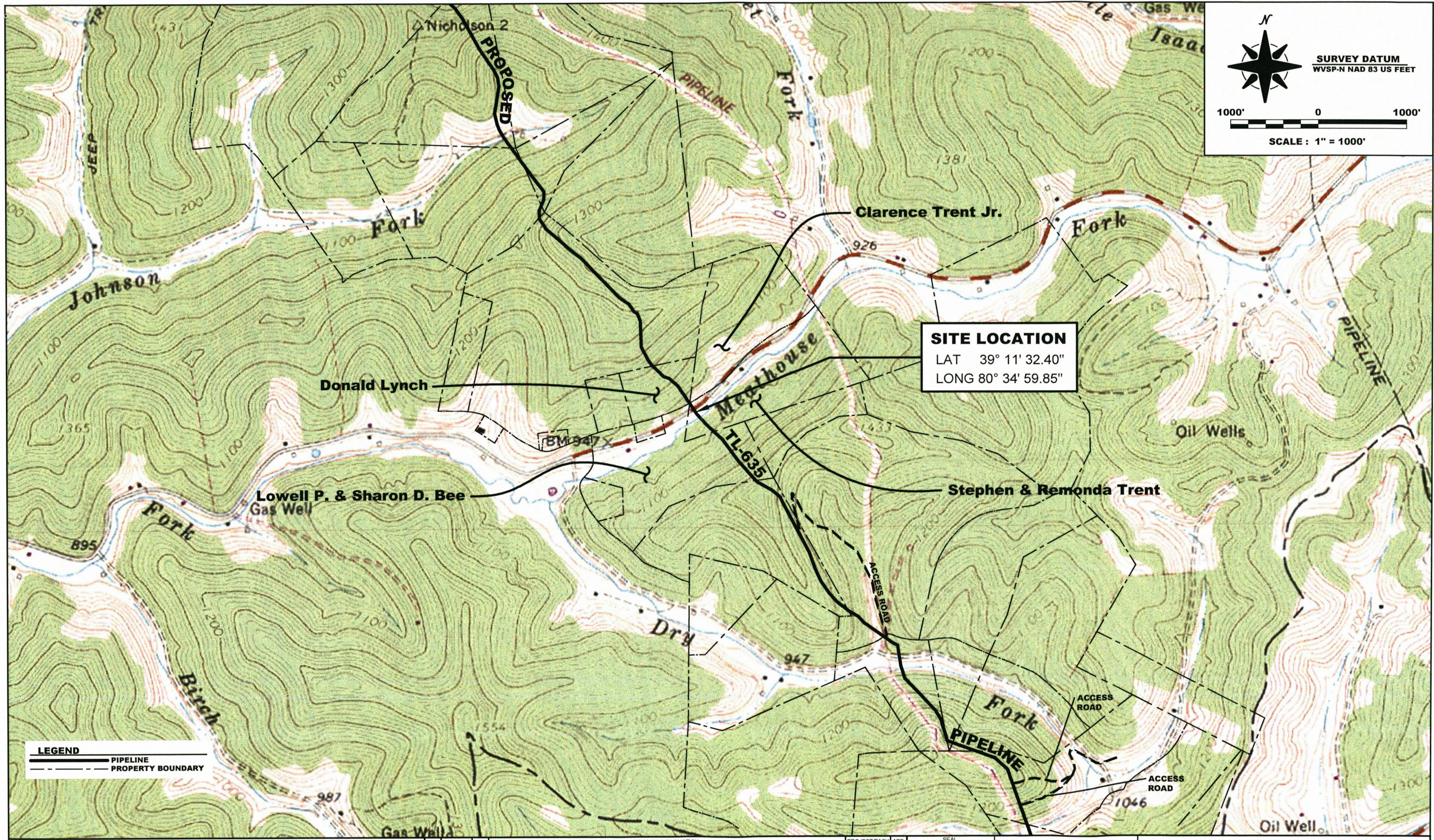

(Signature)

Baner
(Title)

I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

July 11, 2017
(Date)





SITE LOCATION
 LAT 39° 11' 32.40"
 LONG 80° 34' 59.85"

SYMBOL	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
 INTELLIGENCE • INITIATIVE • INNOVATION

DRAWN: ALC 7/10/17
 CHECKED: RVS / DLM 7/10/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

PROJECT LOCATION MAP
PROPOSED PIPELINE TL-635 CROSSING MEATHOUSE FORK

DISTRICT: GREENBRIER COUNTY: DODDRIDGE STATE: WV GROUP: DWG. NO.: REV.
 DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/MeathouseFork 1 of 3 0

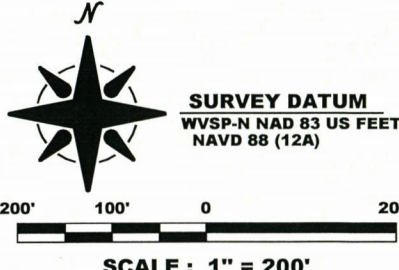
FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE A AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAP, 54017C DODDRIDGE COUNTY, WV, UN-INCORPORATED AREAS, PANEL NUMBER 0255C, EFFECTIVE DATE OCTOBER 4, 2011.

ZONE A IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS NOT DETERMINED.

ZONE X IS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREA LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

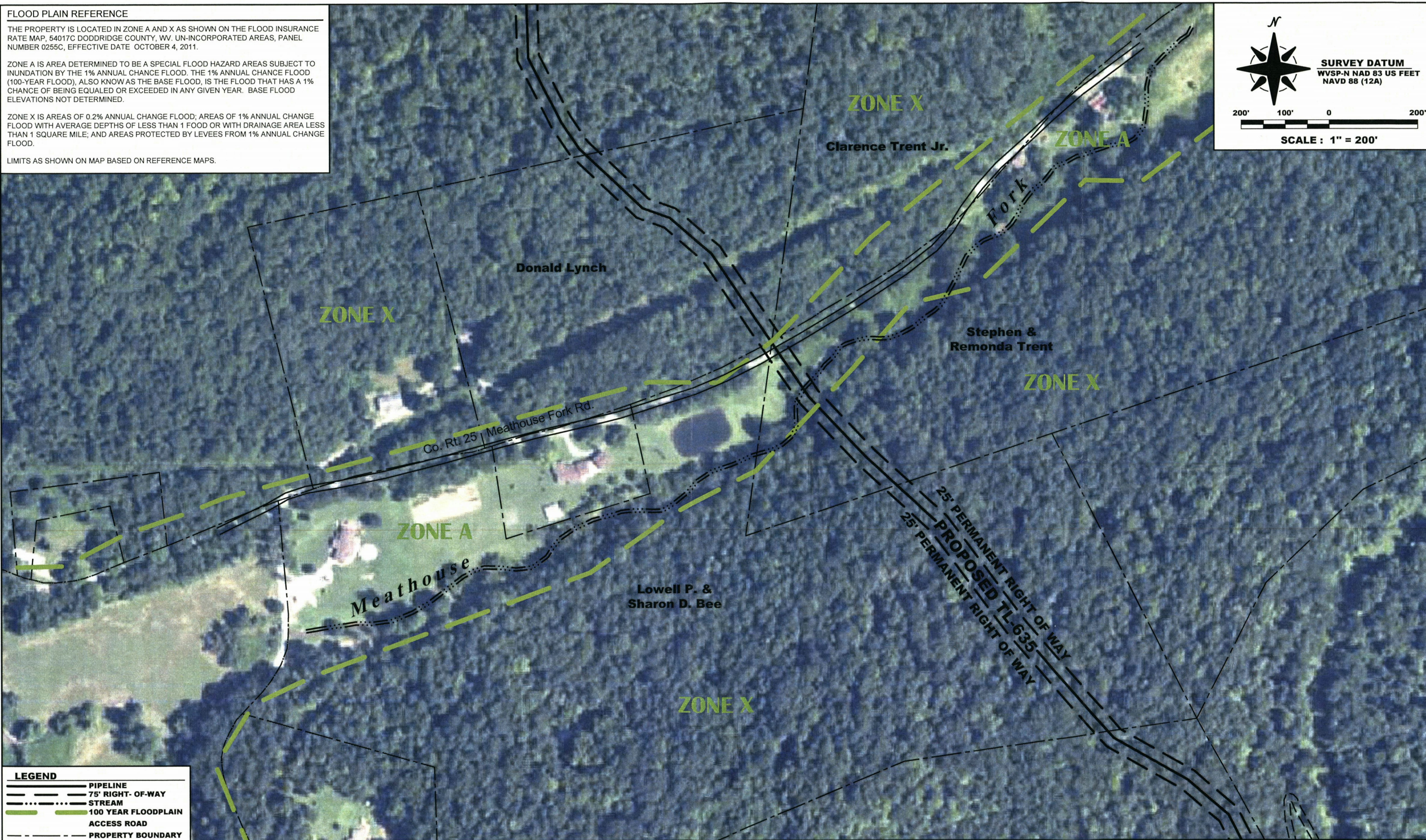
LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAPS.



SURVEY DATUM
WVSP-N NAD 83 US FEET
NAVD 88 (12A)

200' 100' 0 200'

SCALE: 1" = 200'



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

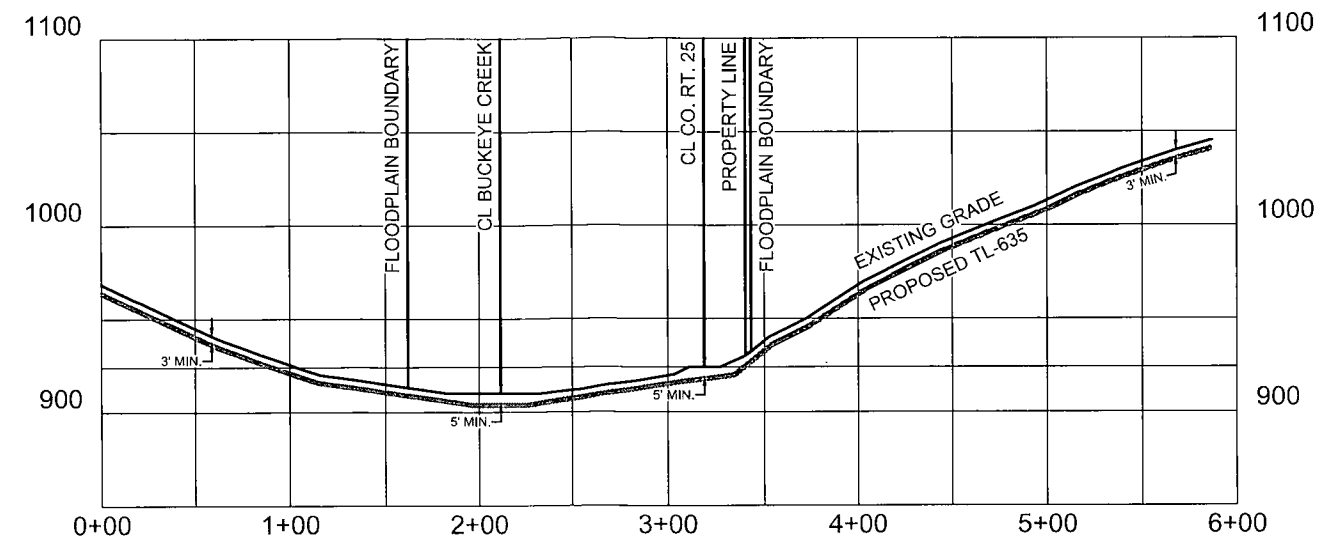
DRAWN: ALC 7/10/17
CHECKED: RVS / DLM 7/10/17
APP. FOR CONST.:
SCALE: 1" = 200'

Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

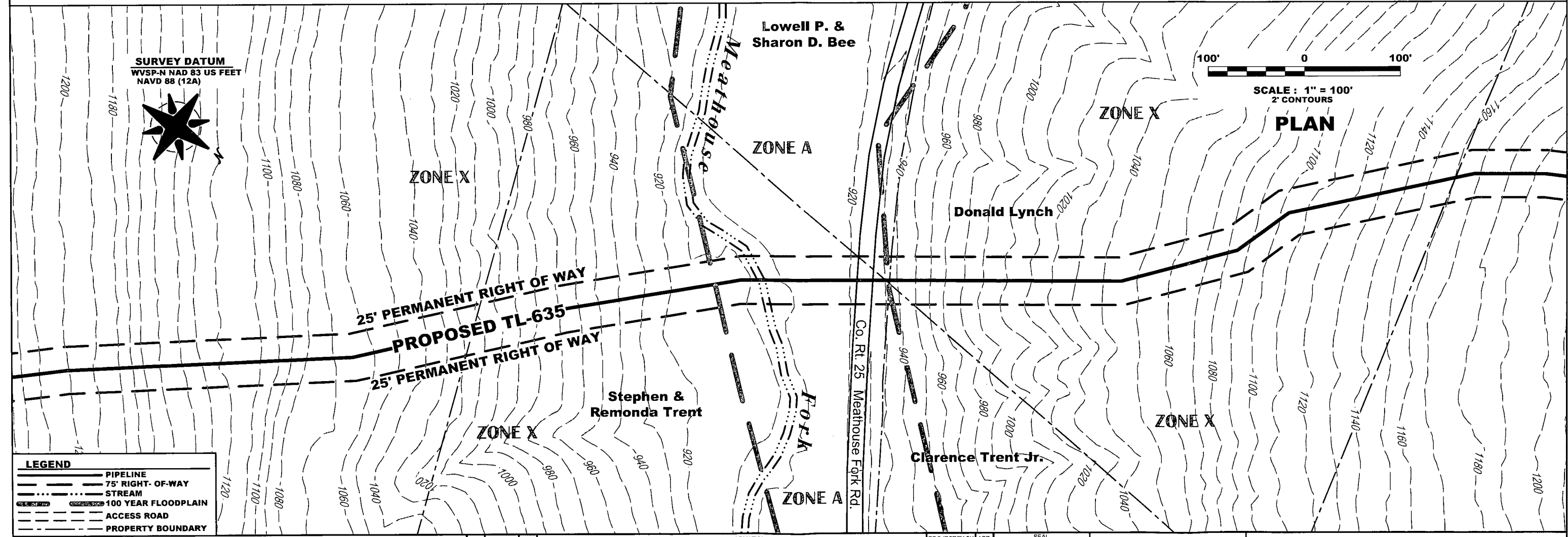
TITLE: FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE TL-635 CROSSING MEATHOUSE FORK

DISTRICT: GREENBRIER	COUNTY: DODDRIDGE	STATE: WV	GROUP	DWG. NO.	REV.
DIR/FILE: DOM/ACP/FloodplainPermit/Doddridge/MeathouseFork				2 of 3	0

NOTES:
 1. EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
 SCALE : 1" = 100' Horizontal & Vertical



LEGEND

- PIPELINE
- 75' RIGHT-OF-WAY
- STREAM
- 100 YEAR FLOODPLAIN
- ACCESS ROAD
- PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.

Engineering and Consulting, LLC
 ENGINEERING • ENVIRONMENT • INNOVATION

Seal: [Blank]

APP. FOR CONST.: [Blank]

SCALE: 1" = 100'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE: **PROPOSED PIPELINE TL-635 CROSSING MEATHOUSE FORK**

DISTRICT: GREENBRIER **COUNTY:** DODDRIDGE **STATE:** WV **GROUP:** [Blank] **DWG. NO.:** 3 of 3 **REV.:** 0

The Doddridge Independent

The Doddridge Independent PUBLISHER'S CERTIFICATE

I, Michael D. Zorn, Publisher of The Doddridge Independent, A newspaper of general circulation published in the town of West Union, Doddridge County, West Virginia, do hereby certify that:

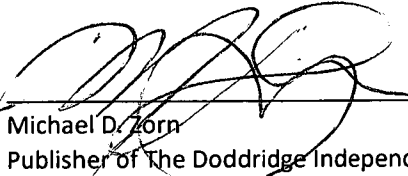
Please take notice that on the (18th) of (March), 2020, (Dominion Energy) filed an application for a Floodplain Permit (#20-569) to develop land located at or about (see attached); Coordinates: see attached. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (April 27, 2020) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is the renewal of the Atlantic Coast Pipeline's Supply Header Pipeline Project {previous permits #17-491, #19-546 and #20-569

was published in The Doddridge Independent
2 times commencing on Friday, August 8, 2014 and
Ending on Friday, August 15, 2014 at the request of:

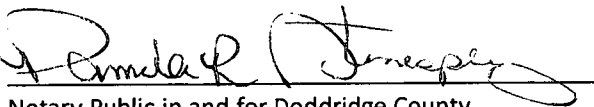
**George Eidel, Doddridge County Floodplain
Manager & Doddridge County Commission**

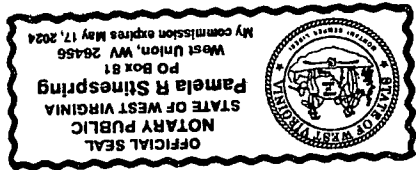
Given under my hand this Friday, August 15, 2014

The publisher's fee for said publication is:
\$ 62.10 1st Run/\$ 46.58 Subsequent Runs
This Legal Ad Total: \$ 108.68


Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on
this date: 3, 31, 20


Notary Public in and for Doddridge County
My Commission expires on
The 17th day of May 20 24



Floodplain Public Notice • Legal Notice

Please take notice that on the (18th) of (March), 2020, (Dominion Energy) filed an application for a Floodplain Permit (#20-569) to develop land located at or about (see attached); Coordinates: see attached. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (April 27, 2020) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is the renewal of the Atlantic Coast Pipeline's Supply Header Pipeline Project {previous permits #17-491, #19-546 and #20-569

Dominion Energy-Atlantic Coast Pipeline Supply Header Pipeline Project (SHP) Floodplain Permit Number Old FP #17-491 Old FP #19-546 New FP #20-569

Permit Number	Crossing Name	Coordinates	FIRM Panel Number
17-491 (a)	McElroy Creek	39.39296111 N; -80.63759722W	54017C0045C
17-491 (b)	Long Run	39.27676667 N; -80.63356667W	54017C0145C
17-491 (c)	Buffalo Calf Fork	39.25943333 N; -80.61926111 W	54017C0165C
17-491 (d)	Greenbrier Creek	39.24445556 N; -80.61194444 W	54017C0255C
17-491 (e)	Buckeye Creek	39.23006389 N; -80.60833333 W	54017C0255C
17-491 (f)	Meathouse Fork	39.19233333 N; -80.58305556 W	54017C0045C

C2 03/20 - 03/27