



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: #17-451

Date Approved: April 27, 2017

Expires: April 27, 2018

Issued to: EQT Production Company

POC: Cory Chalmers

Company Address: 120 Professional Place Bridgeport, WV 26330

Project Address: EQT Bluestone Creek to Henderson Impoundment Water Line

Firm: 54017C0225C

Lat/Long:

Purpose of Development: Renewal (Original Permit #15-383)

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

Date: April 27, 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

#17-451

COPY

COPY COPY

POTESTA & ASSOCIATES, INC.
7012 MACCORKLE AVE SE
CHARLESTON, WEST VIRGINIA 25304

13782

Check Fraud
Protection for Business

69-36-519

DATE 04/21/17

PAY
TO THE
ORDER OF

Doddridge County Commission

\$ 500.00

Five Hundred Dollars and

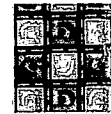
00/100

DOLLARS

CHASE

JPMorgan Chase Bank, N.A.
www.Chase.com

Dana L. Burns



FOR Breestone Creek to Henderson Impd. Waterline

⑆013782⑆ ⑆051900366⑆

625733274⑆

COPY

COPY

COPY

Details on back

Security Features

Doddridge County, West Virginia

RECEIPT NO: 8960

DATE: 2017/04/19

FROM: POTESTA & ASSOCIATES INC

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: #17-451 BLUESTONE CREEK TO HENDERSON

00000013782 FP-BUILDING PERMITS

020-318

TOTAL: \$500.00

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

FLOODPLAIN PERMIT #17-451

*EQT/Bluestone Creek to Henderson Impd. WL
(renewal to 15-383)*

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>		
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND & STREAM (OLS)</i>		
<i>DATE OF COMMISSION READING</i>	04-07-17	
<i>DATE AVAILABLE TO BE GRANTED</i>	04-27-17	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		



Doddridge County Floodplain Permits

(Week of March 6, 2017)

Please take notice that on the **17th day of February, 2017**, **EQT Production Company** filed an application for a Floodplain Permit **#17-451** to develop land located at or about **39.2239N, 80.764931W**. 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 **March 26, 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 renewal to Permit #15-383, above ground temporary water line and intake manifold.**

Renewal to 15-383(extension)

Permit# 17-451

- waiting on check



February 13, 2017

FEB16 17 11:22AM

Mr. George Eidel
Doddridge County Floodplain Coordinator
Doddridge County Commission
118 East Court Street
West Union, West Virginia 26456

RE: Floodplain Permit Application
EQT Production Company
EQT Bluestone Creek to Henderson Impoundment Water Line
Doddridge County, West Virginia
POTESTA Project No. 0101-11-0147-15904

Dear Mr. Eidel:

Potesta & Associates, Inc. (POTESTA) is pleased to submit this cover letter with the associated Floodplain Development Permit Application for the proposed Bluestone Creek to Henderson Impoundment Water Line Project located along Bluestone Creek in West Union Tax District. Based on information presented on the site FIRM (FM54017C0225C), portions of the project are located within the FEMA Flood Zone A. Flood Zone A is the regulatory floodplain associated with the Base Flood (1 percent annual chance flood event), commonly referred to as the 100-year floodplain and indicates that the limits of the floodplain are approximate.

The proposed project will consist of approximately 530 linear feet of temporary water line. Approximately 500 feet are located within the floodplain limits. No excavation or fill will be associated with this project. Work within the floodplain limits will be placement of a portion of temporary water line and an intake manifold. Estimated construction for this water line is spring/summer of 2017.

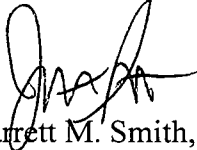
Included with this letter are the permit application; directions to the site; Erosion and Sediment Control Plan shown on Drawing No. 1, which shows the line location relative to the floodplain; Flood Insurance Rate Map; Floodplain Development Permit; and previous extension.

Mr. George Eidel
February 13, 2017
Page 2

If you have any questions, please feel free to contact me at (304) 342-1400 or jmsmith@potesta.com or Cory Chalmers (EQT) at (304) 848-0061 or CChalmers@eqt.com.

Sincerely,

POTESTA & ASSOCIATES, INC.

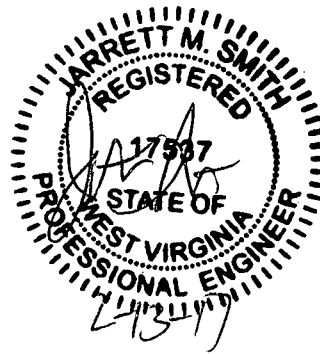


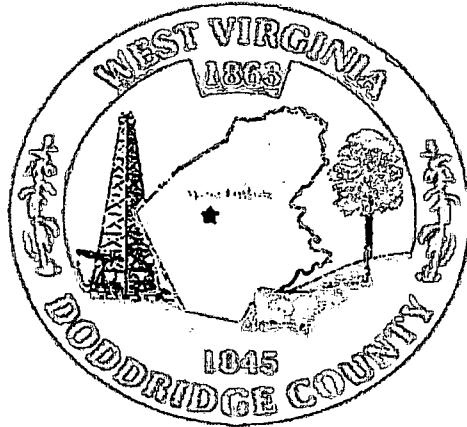
Jarrett M. Smith, P.E.
Senior Engineer

JMS:JWB/clr

Enclosures

c: Mr. Cory Chalmers – EQT (via email)





Permit# #17-451

Bluestone Creek to Henderson
Project Name: Impoundment Water Line

Permittees Name: EQT Production

Renewal for #15-383
(extension)

Doddridge County, WV

FEB16 17 11:22AM

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

DATE 13 February 2017

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: EQT Production Company		
Corporate Mailing Address: 120 Professional Place		
City: Bridgeport	State: WV	Zip: 26330
Corporate Point of Contact (POC): Cory Chalmers		
Corporate POC Title: Environmental Coordinator		
Corporate POC Primary Phone: (304) 848-0061		
Corporate POC Primary Email: cchalmers@eqt.com		
Corporate FEIN: 25-0754685	Corporate DUNS: N/A	
Corporate Website: N/A		
Local Mailing Address: N/A		
City: N/A	State: N/A	Zip: N/A
Local Project Manager (PM): Same as Point of Contact		
Local PM Primary Phone: Same as Point of Contact		
Local PM Secondary Phone: Same as Point of Contact		
Local PM Primary Email: Same as Point of Contact		
Person Filing Application: Jordan Beard		
Applicant Title: Engineer		
Applicant Primary Phone: (304) 342-1400		
Applicant Secondary Phone: N/A		
Applicant Primary Email: jwbeard@potesta.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: ___ of ___

Site/Property Information:		
Legal Description: Please See Attached		
Physical Address/911 Address:		
Decimal Latitude/Longitude: 39.2239N, 80.764931W		
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?	
Yes No		Yes No Zone: _____	
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 ____ See attached for property owners/adjacent landowners.

Property Owner Data:		
Name of Primary Owner (PO): N/A		
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: N/A		
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:		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC):		
Engineer Firm Primary POC Title:		
Engineer Firm Mailing Address:		
City:	State:	Zip-Code:
Engineer Firm Office Phone:		
Engineer Firm Primary POC Phone:		
Engineer Firm Primary POC E-Mail:		

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):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Adjacent Property Owner Data: Downstream		
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: 13 February 2017

Applicant Printed Name: _____

Stephanie Frazier

BLUE STONE CREEK TO HENDERSON IMPOUNDMENT WATER LINE

ONSITE LANDOWNER

Mary H. Holland Estate of Mary H. Holland
225 Watchung Fork
Westfield, New Jersey 07090
Parcel Number 8-23-4

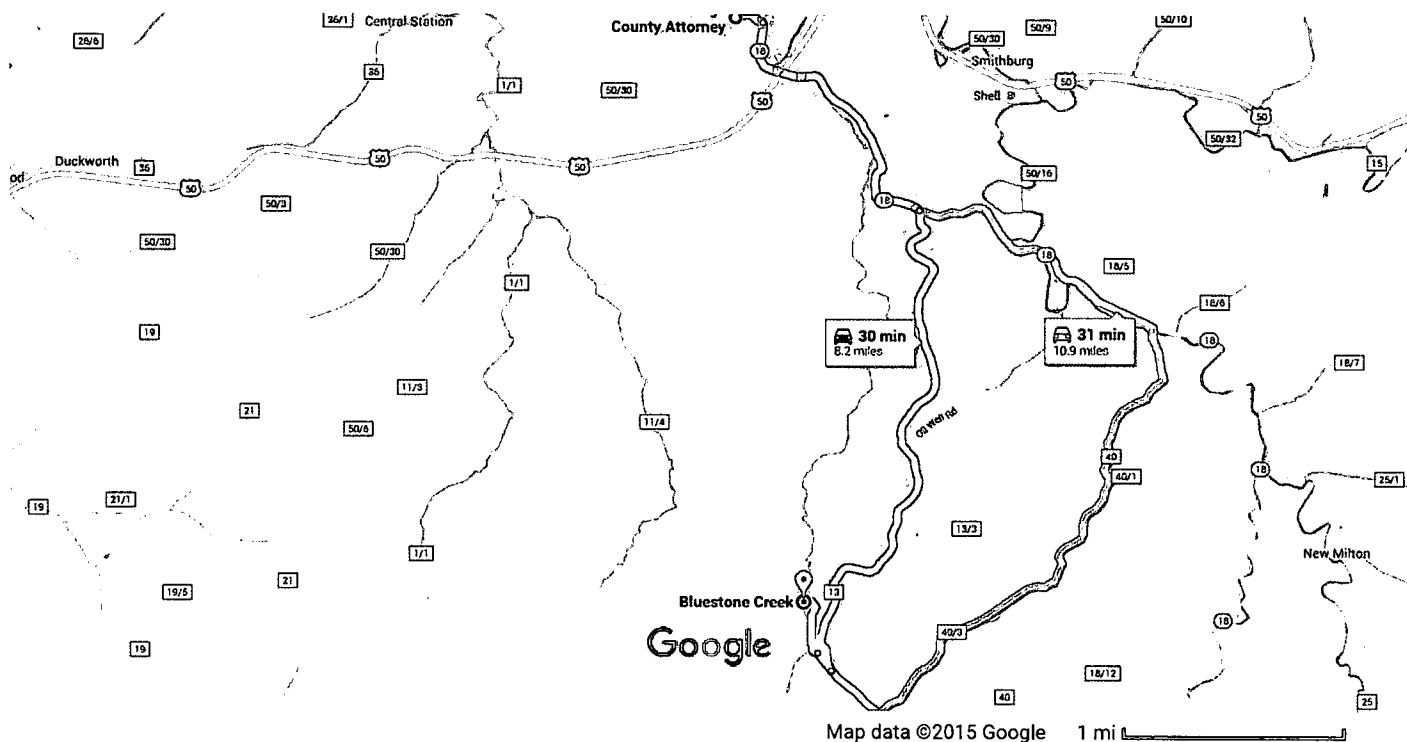
ADJACENT LANDOWNER

Mary H. Holland Estate of Mary H. Holland
225 Watchung Fork
Westfield, New Jersey 07090
Parcel Number 8-23-2

ADJACENT LANDOWNER

Justin L. Henderson
190 Sapphire Lane
Meadowbrook, West Virginia 26404
Parcel Number 7-6-1

Google Maps Doddridge County Attorney to Bluestone Creek Drive 8.2 miles, 30 min



Doddridge County Attorney

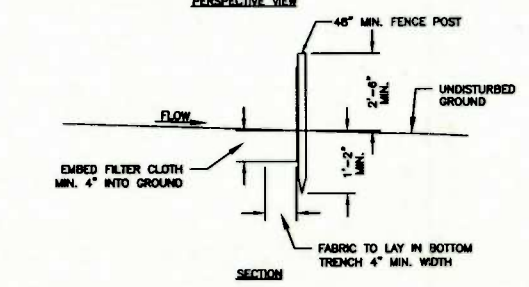
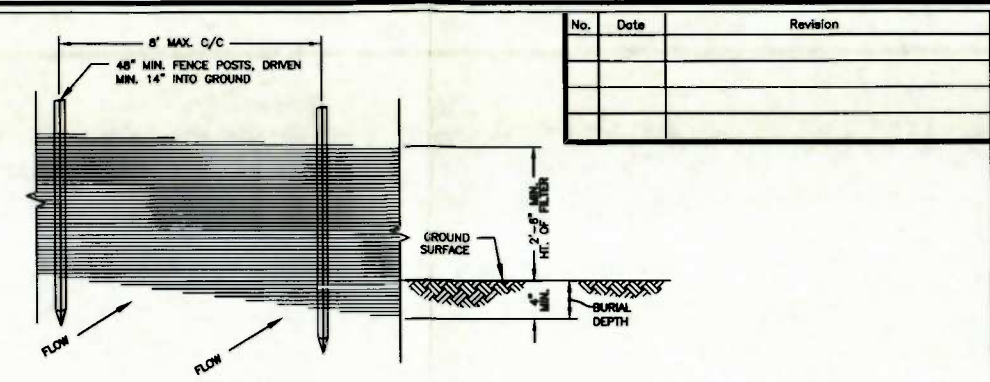
118 E Court St, West Union, WV 26456

- ↑ 1. Head northeast on Columbia St toward W Main St 269 ft
- ↘ 2. Turn right onto E Main St 0.2 mi
- ↘ 3. Turn right onto WV-18 S 2.5 mi
- ↘ 4. Turn right onto Maxwell Ridge 4.8 mi
- ↘ 5. Sharp right onto Co Rte 13/4/Co Rte 23/2 0.2 mi
- ↘ 6. Turn right 0.5 mi

Bluestone Creek

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Project No. 11-0147-159 - EQT PROJECTS/PH. 00159/WATER LINE/BLUESTONE CREEK/11-0147-159-DESIGN/2015
 Date: 09/09/2015
 Drawn by: JWB
 Checked by: JMS
 Approved by: JMS
 Scale: 1" = 100'
 Date: SEPT. 2015
 Project No. 11-0147-159

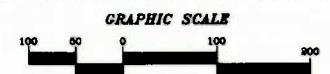


- NOTES:**
1. WHEN TWO SECTIONS OF SILT FENCE JOIN, OVERLAP ACCORDING TO MANUFACTURERS PUBLISHED RECOMMENDATIONS.
 2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "DUGLES" DEVELOP IN THE SILT FENCE, OR WHEN HALF OF EXPOSED SILT FENCE IS COVERED WITH SEDIMENT.
 3. POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "T" OR "U" TYPE OR 1.5" HARDWOOD.
 4. FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LINO GIT 160" OR APPROVED EQUAL.
 5. ALL SILT FENCE SHALL BE CHECKED AFTER ANY SIGNIFICANT RAINFALL (IN EXCESS OF 1/2"). DAMAGED SILT FENCE MUST BE REPAIRED WITHIN 24 HOURS; SOONER, IF ADDITIONAL RAINFALL IS EXPECTED.

SILT FENCE DETAIL
NO SCALE

- NOTES:**
1. BASE MAPPING TAKEN FROM AERIAL PHOTOGRAPHY. THE SCALE OF THE BASE MAPPING IS APPROXIMATE. ACTUAL LOCATIONS OF EXISTING FEATURES MAY VARY.
 2. WEEKLY VISUAL INSPECTION OF THE SEDIMENT CONTROL MEASURES SHALL BE CONDUCTED TO VERIFY THEY ARE FUNCTIONING PROPERLY. SILT FENCE, IF REMOVED TO ALLOW CONSTRUCTION ACTIVITIES, SHALL BE REPLACED AT THE END OF EACH WORK DAY. SEDIMENT STRUCTURES SHALL BE CLEANED ONCE THE STORAGE CAPACITY HAS BEEN REDUCED BY 50%.
 3. THE SITE SHALL BE INSPECTED ON A REGULAR BASIS TO ENSURE INTEGRITY OF GRADED SURFACES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE DEVICES. THIS INSPECTION SHOULD BE PERFORMED AT A MINIMUM OF ONCE EVERY SEVEN CALENDAR DAYS, AND SHALL OCCUR WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAINFALL PER 24-HOUR PERIOD UNTIL THE SITE HAS BEEN STABILIZED. ANY REQUIRED REPAIRS OR MAINTENANCE WILL BE MADE IMMEDIATELY.
 4. DISTURBED AREAS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF GRADING.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
 - AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDING IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
 5. EROSION & SEDIMENT CONTROLS SHALL BE INSTALLED IN LOCATIONS DOWN SLOPE FROM THE DISTURBED AREAS AS A FIRST MEASURE OF CONSTRUCTION. SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DAMAGED, DECOMPOSED OR OTHERWISE INEFFECTIVE SILT FENCE SHALL BE REPLACED. SEDIMENT DEPOSITS SHOULD BE REMOVED AS REQUIRED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE BARRIER HEIGHT. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER NEEDED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE AND STABILIZED. CONTRACTOR MAY USE COMPOST FILTER SOCKS AS AN ALTERNATIVE TO SILT FENCE.
 6. DEVICES LISTED HEREIN ARE CONSIDERED MINIMUM EROSION AND SEDIMENT CONTROLS. ADDITIONAL CONTROL MEASURES MAY BE NECESSARY DUE TO CONTRACTOR PHASING OR OTHER UNFORESEEN CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL MEASURES IN ADDITION TO THOSE SHOWN, AS NEEDED, IN ORDER TO CONTROL EROSION AND CONTAIN SEDIMENT ON SITE.
 7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING PUBLIC ROADS IN A CLEAN, DUST AND MUD FREE CONDITION AT THE SITE.
 8. ALL SUPER SILT FENCE SHALL BE INSTALLED ALONG THE CONTOURS, PERPENDICULAR TO THE FLOW OF WATER. SEE DETAIL ON THIS DRAWING.

ROAD GRADE (%)	DISTANCE BETWEEN WATERBARS (FT.)
1	400
2	250
3	135
10	80
15	65
20	45



MAPPING REFERENCE:
BASE TOPOGRAPHIC MAPPING TAKEN FROM NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP), DATED OCTOBER 2014. CONTOURS ARE DERIVED FROM 3 METER RESOLUTION DIGITAL ELEVATION MODELS FROM USGS DATED 2003.

DESIGN
 CAD File No.
 JM
 Drawn
 JWB
 Checked
 JMS
 Approved
 1" = 100'
 Scale:
 SEPT. 2015
 Date:
 11-0147-159
 Project No.

POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 7013 MacArthur Ave. SE, Charleston, WV 25304
 TEL: (804) 848-1400 FAX: (804) 848-9031
 E-Mail Address: potesta@potesta.com

POTESTA

Client
EQT PRODUCTION COMPANY
 120 PROFESSIONAL PLACE
 BRIDGEPORT, WEST VIRGINIA

PLAN SHEET EQT BLUESTONE CREEK TO HENDERSON IMP. WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

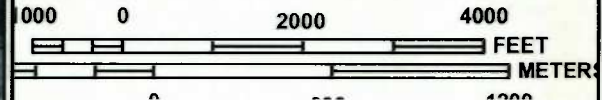
1

Drawing No.

ISSUE DATE 9/9/2015



MAP SCALE 1" = 2000'



NATIONAL FLOOD INSURANCE PROGRAM
 NFP

PANEL 0225C

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

PANEL 225 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0225	C

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



MAP NUMBER
54017C0225C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

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

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: # 15-383
West Union

Date Approved: 11/18/2015



Expires: 11/18/2016

Issued to: ROT Production Company

POC: Lacoa Corder
(304)848-0066

Company Address: 120 Professional Place
Bridgeport, WV 26330

Project Address: 801 Bristonee Creek to Henderson Impoundment Water line

Firm: 225C

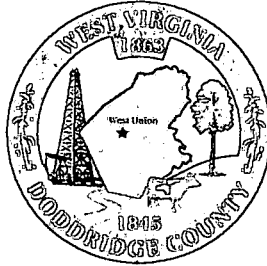
Lat/Long:

Purpose of development: Above Ground Temporary Water line and intake manifold

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

Date: 11/18/2015

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



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Permit: # 15-383 EXTENSION

Date Approved: November 18, 2016

Expires: February 16, 2017

Issued to: EQT Production Company Inc.

**POC: Lacoa Corder
304-848-0066**

**Company Address: 120 Professional Place
Bridgeport, WV 26330**

Project Address: EQT Bluestone Creek to Henderson Impoundment Waterline

Firm: 225C

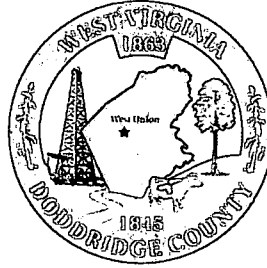
Lat/Long:

Purpose of development: Above ground temporary waterline and intake manifold

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

Date: November 18, 2016

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



Floodplain Development Permit

Doddridge County, WV Floodplain Management

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Permit: #15-382 EXTENSION

Date Approved: November 18, 2016 Expires: February 16, 2017

Issued to: EQT Production Company

**POC: Lacoa Corder
304-848-0066**

**Company Address: 120 Professional Place
Bridgeport, WV 26330**

**Project Address: EQT South Fork of Hughes River at OXF134 Lease Rd. to Henderson
Impoundment Water Line**

Firm: 225C

Lat/Long:

Purpose of development: Above ground temporary water line and intake manifold.

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

Date: November 18, 2016

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
