



# 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: #17-450**

**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 South Fork of Hughes River at OXF 134 Lease Road to Henderson**

**Firm: 54017C0225C**

**Lat/Long:**

**Purpose of Development: Renewal (Original Permit #15-382)**

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

**Date: April 27, 2017**

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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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#17-450

COPY

COPY

COPY

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

13783

EZShield™ Check Fraud  
Protection for Business

69-36-519

DATE 04/12/17

PAY  
TO THE  
ORDER OF

Doddridge County Commission

Five Hundred Dollars and

\$

500.00

00/100

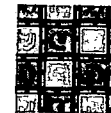
DOLLARS



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

FOR South Fork Hughes River at OXF 1346.00 To Herdson WAL

*Lana L. Burns*



Details on back  
Security Features

⑈013783⑈ ⑆051900366⑆

625733274⑈

COPY

COPY

# Doddridge County, West Virginia

RECEIPT NO: 8959

DATE: 2017/04/19

FROM: POTESTA & ASSOCIATES

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: #17-450 SOUTH FORK HUGHES RIVER

00000013783 FP-BUILDING PERMITS

020-318

TOTAL: \$500.00

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

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**FLOODPLAIN PERMIT #17-450**

*EQT/SFHR at OXF134 Lease Rd. to Henderson Impd.*

*WL*

*(renewal to 15-382)*

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<b>TASK</b>	<b>COMPLETE (DATE)</b>	<b>NOTES</b>
<i>CHECK RECEIVED</i>		
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH &amp; WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC &amp; PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND &amp; STREAM (OLS)</i>		
<i>DATE OF COMMISSION READING</i>	<i>04-07-17</i>	
<i>DATE AVAILABLE TO BE GRANTED</i>	<i>04-27-17</i>	
<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 **#17-450** to develop land located at or about **39.196556N, 80.809775W**. 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 a renewal to Permit #15-382, above ground temporary water line and intake manifold.**

*Renewed to # 15-382*

*Permit # 17-450*

*- waiting on check*



# TRANSMITTAL MEMO

7012 MacCorkle Avenue, SE, Charleston, WV 25304 ▪ Phone: (304) 342-1400 ▪ Fax: (304) 343-9031

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

Date: April 13, 2017  
 Project No.: 0101-11-0147-15904

Sent Via:  Mail       Federal Express       United Parcel Service  
 Hand Carried       Other: \_\_\_\_\_

Quantity	Description
1	Floodplain Permit Application Fee in the Amount of \$500.00 for South Fork of Hughes River at OXF 134 Lease Road to Henderson Impoundment Water Line
1	Floodplain Permit Application Fee in the Amount of \$500.00 for Bluestone Creek to Henderson Impoundment Water Line

Remarks: \_\_\_\_\_

By: Jordan Beard/clr  
 c: \_\_\_\_\_



**Engineers and Environmental Consultants**

7012 MacCorkle Avenue, SE, Charleston, WV 25304 - (304) 342-1400 • FAX (304) 343-9031; www.potesta.com

February 13, 2017

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

FEB16 17 11:22AM

RE: Floodplain Permit Application  
EQT Production Company  
EQT South Fork of Hughes River at OXF 134 Lease Road 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 South Fork of Hughes River at OXF 134 Lease Road to Henderson Impoundment Water Line. The project is located along the South Fork of Hughes River in the Southwest and 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), which is 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 20,790 linear feet of temporary water line. Approximately 5,000 feet is 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 Drawings No. 1-11, which shows the line location relative to the floodplain; Flood Insurance Rate Maps; Floodplain Development Permit; and previous extension.

**POTESTA & ASSOCIATES, INC.**

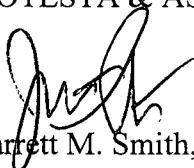
Charleston, West Virginia • Morgantown, West Virginia • Winchester, Virginia • Cambridge, Ohio

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](mailto:jmsmith@potesta.com) or Cory Chalmers (EQT) at (304) 848-0061 or [CChalmers@eqt.com](mailto:CChalmers@eqt.com).

Sincerely,

POTESTA & ASSOCIATES, INC.

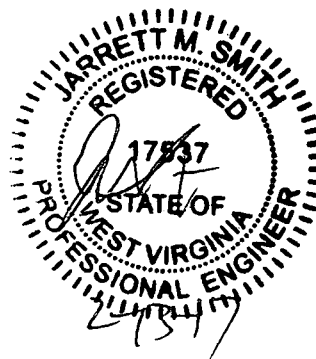


Jarrett M. Smith, P.E.  
Senior Engineer

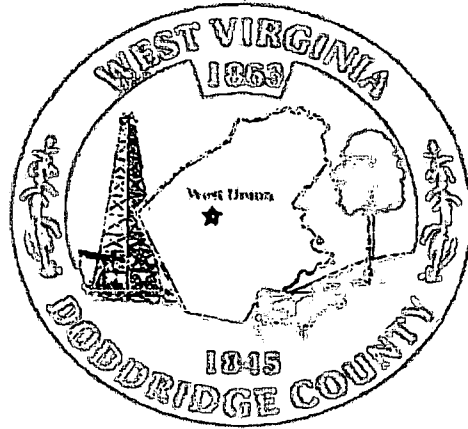
JMS:JWB/clr

Enclosures

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







Permit#	_____
Project Name:	South Fork of Hughes River at OXF 134 Lease Road to Henderson Impoundment Water Line
Permittees Name:	<u>EQT Production</u>

Renewal to Permit # 15-382  
(Extension)

## Doddridge County, WV

FEB16 17 11:23AM

# 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.*

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

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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.)*

<b>Property Designation:</b> ____ of ____
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<b>Site/Property Information:</b>		
<b>Legal Description:</b> Please See Attached		
<b>Physical Address/911 Address:</b>		
<b>Decimal Latitude/Longitude:</b> 39.196556N, 80.809775W		
<b>DMS Latitude/Longitude:</b>		
<b>District:</b>	<b>Map:</b>	<b>Parcel:</b>
<b>Land Book Description:</b>		
<b>Deed Book Reference:</b>		
<b>Tax Map Reference:</b>		
<b>Existing Buildings/Use of Property:</b>		

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

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Property Owner Data:**

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

<b>Property Designation:</b> ____ of ____ See attached for property owners/adjacent landowners.
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<b>Property Owner Data:</b>		
<b>Name of Primary Owner (PO):</b> N/A		
<b>PO Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>PO Primary Phone:</b>		
<b>PO Secondary Phone:</b>		
<b>PO Primary Email:</b>		

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

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

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Contractor Data:**

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

<b>Property Designation:</b> ___ of ___		
<b>Contractor/Sub-Contractor (C/SC) Information:</b>		
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:		

<b>Engineer Firm Information:</b>		
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

**SOUTH FORK OF HUGHES RIVER  
AT OXF 134 LEASE ROAD TO HENDERSON  
IMPOUNDMENT WATER LINE**

**ONSITE LANDOWNER**

I. L. Morris  
PO Box 397  
Glennville, West Virginia 26351  
Parcel Number 7-10-2

The next parcel downstream is greater than 1 mile away, and the next parcel upstream is greater than 3 miles away.

**ADJACENT LANDOWNER**

CNG Transmission Corporation  
625 Liberty Avenue, Drop 18-01  
Pittsburgh, Pennsylvania 15221  
Parcel Number 7-5-7

**ADJACENT LANDOWNER (jointly owned by the following two entities)**

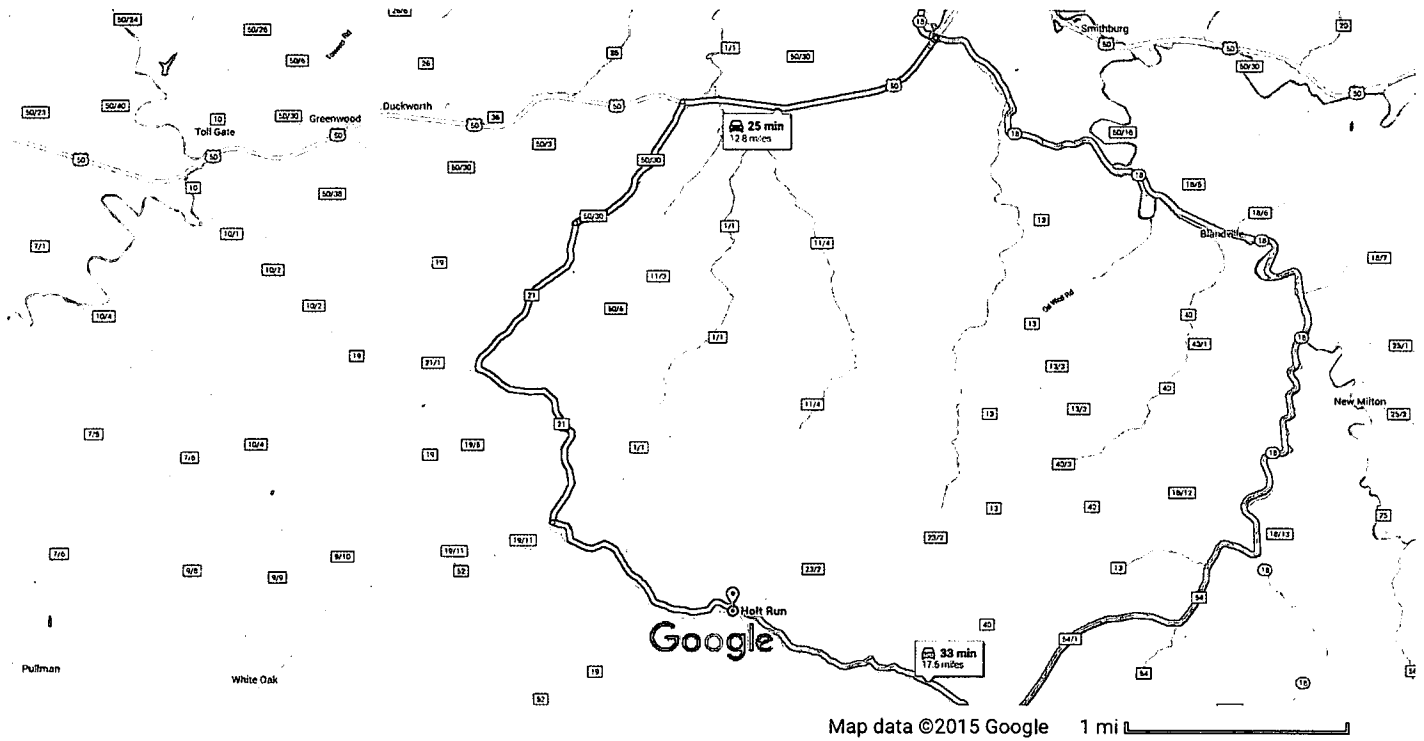
May Revocable Trust-Exemption Trust  
641 Scott Street  
Port Townsend, Washington 98368  
Parcel Number 7-11-5

Susan V. Drennan  
9255 SE Wyandotte Road  
Galena, Kansas 66739  
Parcel Number 7-11-5

Google Maps

Doddridge County Court Clerk to Holt Run

Drive 12.8 miles, 25 min



### Doddridge County Court Clerk

118 East Court Street #102, 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 0.5 mi
- ↘ 4. Turn right onto US-50 W 3.0 mi
- ↙ 5. Turn left onto Old U.S 50 E 1.9 mi
- ↙ 6. Turn left onto Co Rte 21/Oxford Rd 4.5 mi  
 ⓘ Continue to follow Co Rte 21
- ↙ 7. Turn left onto S Fork of Hughes River 2.5 mi  
 ⓘ Destination will be on the right

### Holt Run

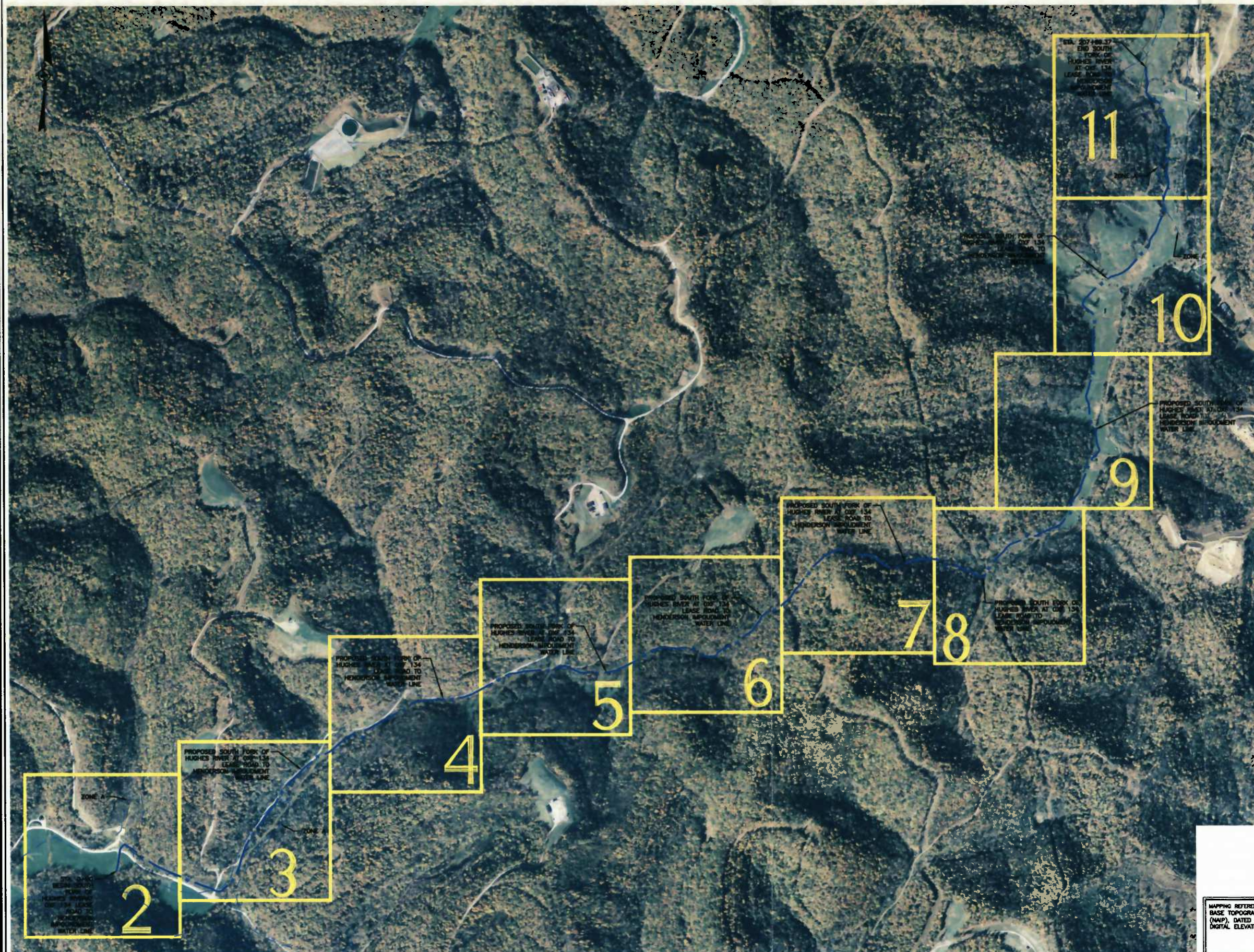
9/11/2015

Doddridge County Court Clerk to Holt Run - Google Maps

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.



DATE: 09/11/2015  
 TIME: 10:00 AM  
 PROJECT: EQT PRODUCTION COMPANY CERTAIN WATER LINES  
 DRAWN BY: JWB  
 CHECKED BY: JMS  
 APPROVED BY: JMS



No.	Date	Revision



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.

ISSUE DATE 9/11/2015

DESIGN SFHR  
 00 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 MacCorkle Ave. SE, Charleston, WV 25304  
 TEL: (804) 348-1400 FAX: (804) 348-8081  
 E-Mail Address: potesta@potesta.com

**POTESTA**

Client  
 EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

This PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPROVEMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

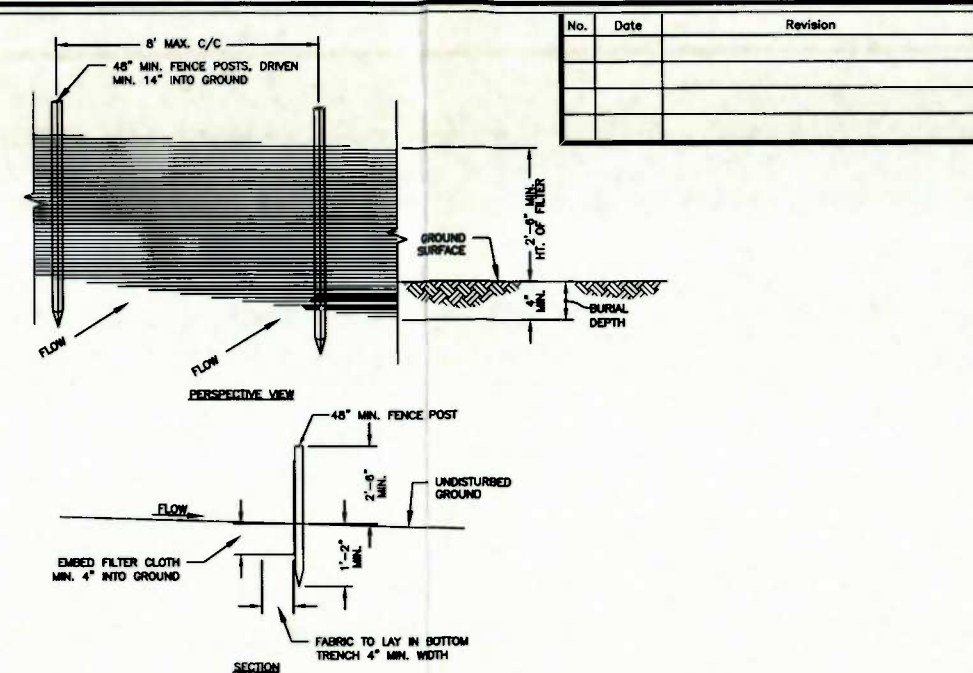
1  
 Drawing No.



Project: 11-0147-159 - EOT PROJECTS/PH. 007/0A/WATER LINES/SPUR HUGHES RIVER/11-0147-159-0500A. 09/16/15  
 Date: 09/16/15  
 Drawn: JWB  
 Checked: JMS  
 Approved: JMS  
 Scale: 1" = 100'  
 Date: SEPT 2015  
 Project No: 11-0147-159



MATCHLINE DRAWING NO. 3

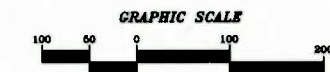


- NOTES:**
1. WHEN TWO SECTIONS OF SILT FENCE JOIN, OVERLAP ACCORDING TO MANUFACTURERS PUBLISHED RECOMMENDATIONS.
  2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN HALF OF EXPOSED SILT FENCE IS COVERED WITH SEDIMENT.
  3. POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "T" OR "U" TYPE OR 1.5" HARDWOOD.
  4. FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LIHQ GTF 180" 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.
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  8. ALL 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.

No.	Date	Revision

**POTESTA & ASSOCIATES, INC.**  
ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
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TEL: (804) 444-1400 FAX: (804) 444-4001  
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**EOT PRODUCTION COMPANY**  
120 PROFESSIONAL PLACE  
BRIDGEPORT, WEST VIRGINIA

**Client**  
THE PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPONDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

ISSUE DATE 9/11/2015

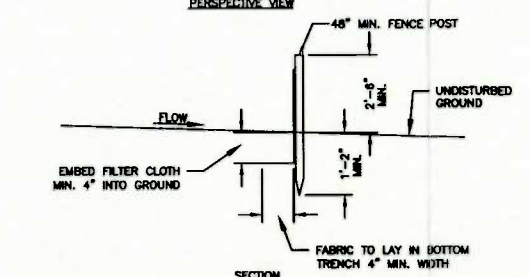
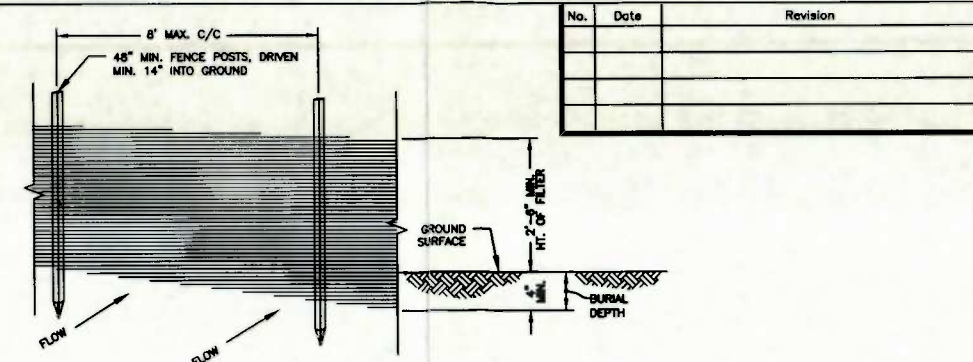


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MATCHLINE DRAWING NO. 2



MATCHLINE DRAWING NO. 4

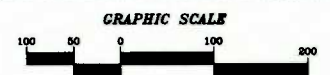


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**SILT FENCE DETAIL**  
NO SCALE

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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.

ISSUE DATE 9/11/2015

No.	Date	Revision

DESIGN: SFHR  
 DRAWN: JM  
 CHECKED: JWB  
 APPROVED: JMS  
 SCALE: 1" = 100'  
 DATE: SEPT 2015  
 PROJECT NO: 11-0147-159

**POTESTA**  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
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Client  
 EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

THE PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 124 LEASE ROAD TO HENDERSON IMPONDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIIDGE COUNTY, WEST VIRGINIA

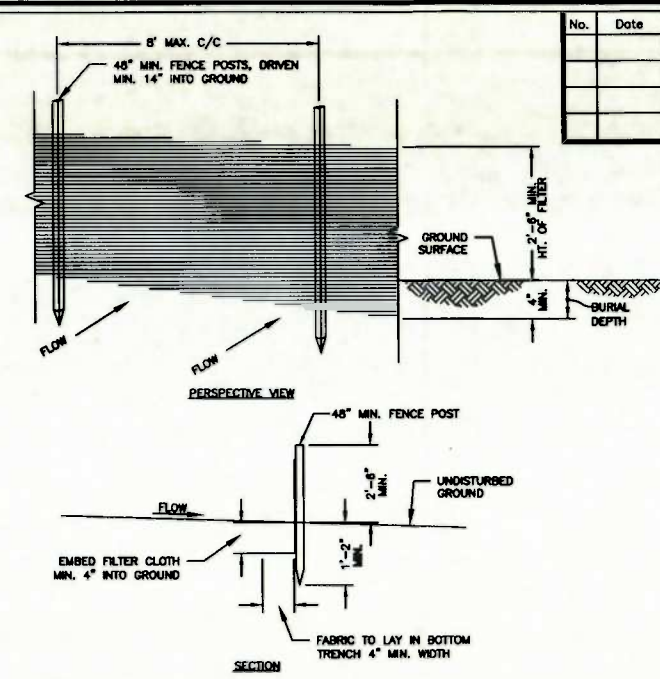


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 PREPARED BY: JMS

MATCHLINE DRAWING NO. 3



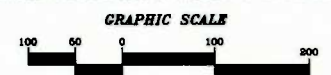
MATCHLINE DRAWING NO. 5



- NOTES:**
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**SILT FENCE DETAIL**  
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ROAD GRADE (%)	DISTANCE BETWEEN WATERBARS (FT.)
1	400
2	250
3	135
10	80
15	65
20	45

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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.

No.	Date	Revision

DESIGN SFHR  
 000 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  
 7012 MacArthur Ave. SE, Charleston, WV 25304  
 TEL: (804) 843-1400 FAX: (804) 843-9031  
 E-Mail: Address: potesta@potesta.com

**POTESTA**

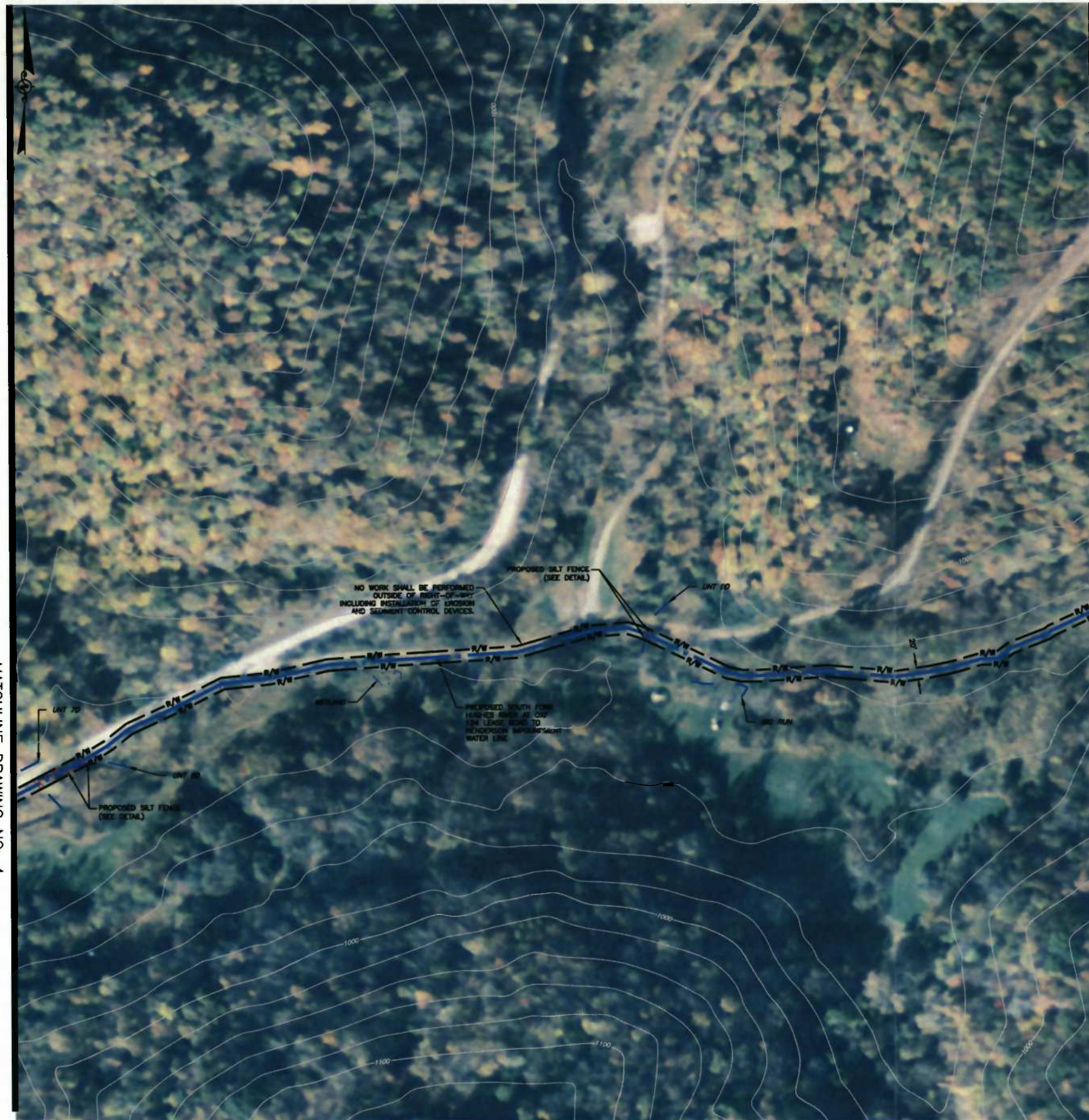
**EQT PRODUCTION COMPANY**  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

Client  
 THE PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPOUNDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

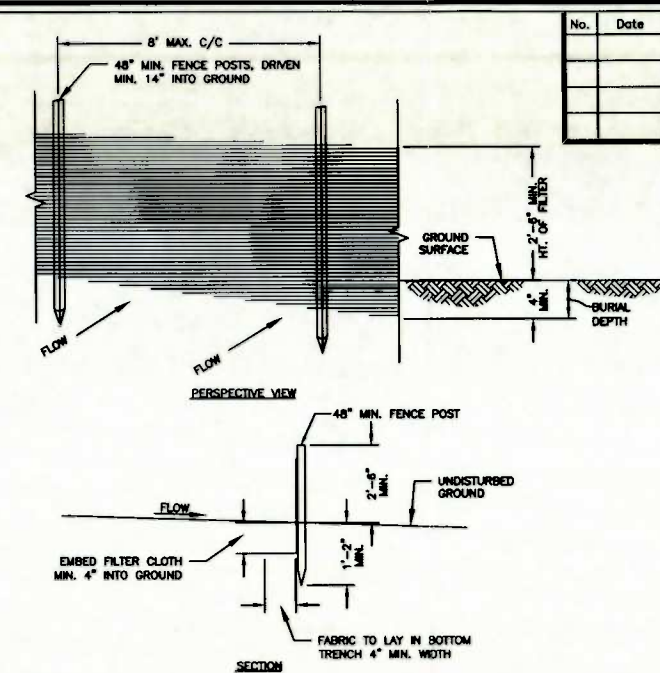


Date: 09/11/2015  
 Drawn by: JWB  
 Checked by: JMS  
 Approved by: JMS  
 Scale: 1" = 100'  
 Date: SEPT 2015  
 Project No. 11-0147-159

MATCHLINE DRAWING NO. 4



MATCHLINE DRAWING NO. 6



**NOTES:**

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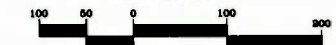
**SILT FENCE DETAIL**

NO SCALE

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**GRAPHIC SCALE**



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2	250
3	135
10	80
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ISSUE DATE 9/11/2015

Client  
 EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA  
 Client

This PLAN SHEET SOUTH FORK OF HURLES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPROVEMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA  
 5  
 Drawing No.

**POTESTA**  
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**POTESTA & ASSOCIATES, INC.**  
 DESIGN SFHR  
 11-0147-159  
 Project No.

No.	Date	Revision

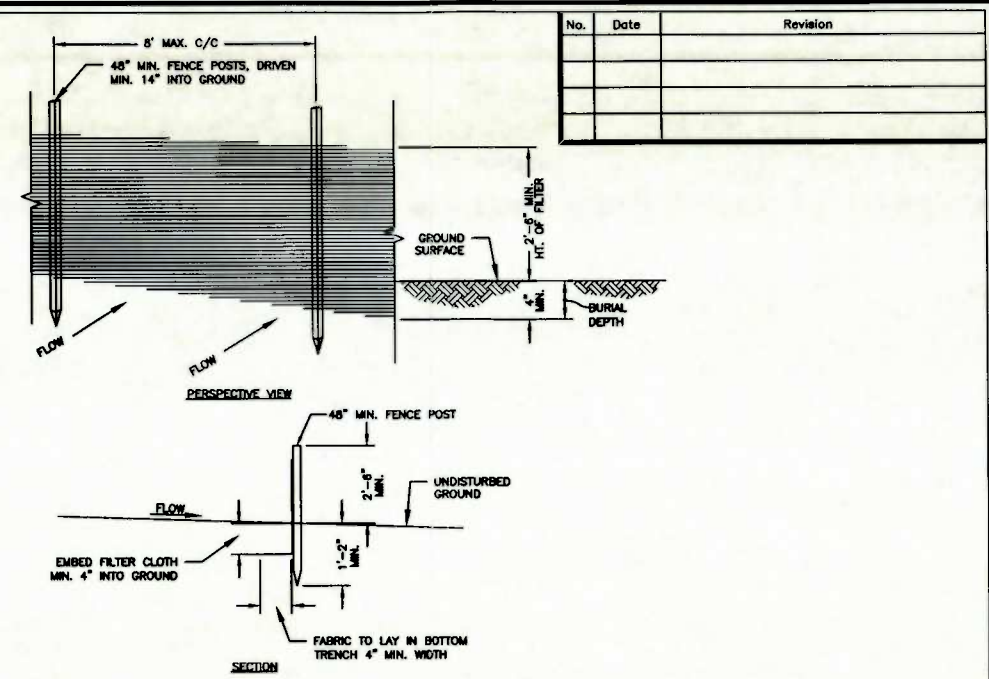


NOISE FROM THE CONSTRUCTION OF THIS PROJECT SHALL BE LIMITED TO THE LEVELS SHOWN IN THE ATTACHED ATTACHMENT. THE NOISE FROM THE CONSTRUCTION OF THIS PROJECT SHALL BE LIMITED TO THE LEVELS SHOWN IN THE ATTACHED ATTACHMENT.

MATCHLINE DRAWING NO. 5



MATCHLINE DRAWING NO. 7

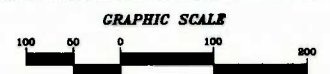


- NOTES:**
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  2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN HALF OF EXPOSED SILT FENCE IS COVERED WITH SEDIMENT.
  3. POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "T" OR "U" TYPE OR 1.5" HARDWOOD.
  4. FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LING GTF 180" 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

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  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%.
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  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.
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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: SFHR  
DRAWN: JM  
CHECKED: JWP  
APPROVED: JMS  
SCALE: 1" = 100'  
DATE: SEPT 2015  
PROJECT NO: 11-0147-159

POTESTA & ASSOCIATES, INC.  
ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
7015 Rockwell Ave. SE, One-Edinboro, PA 16804  
TEL: (814) 942-1400 FAX: (814) 942-4081  
E-Mail: Address: potesta@potesta.com

**POTESTA**

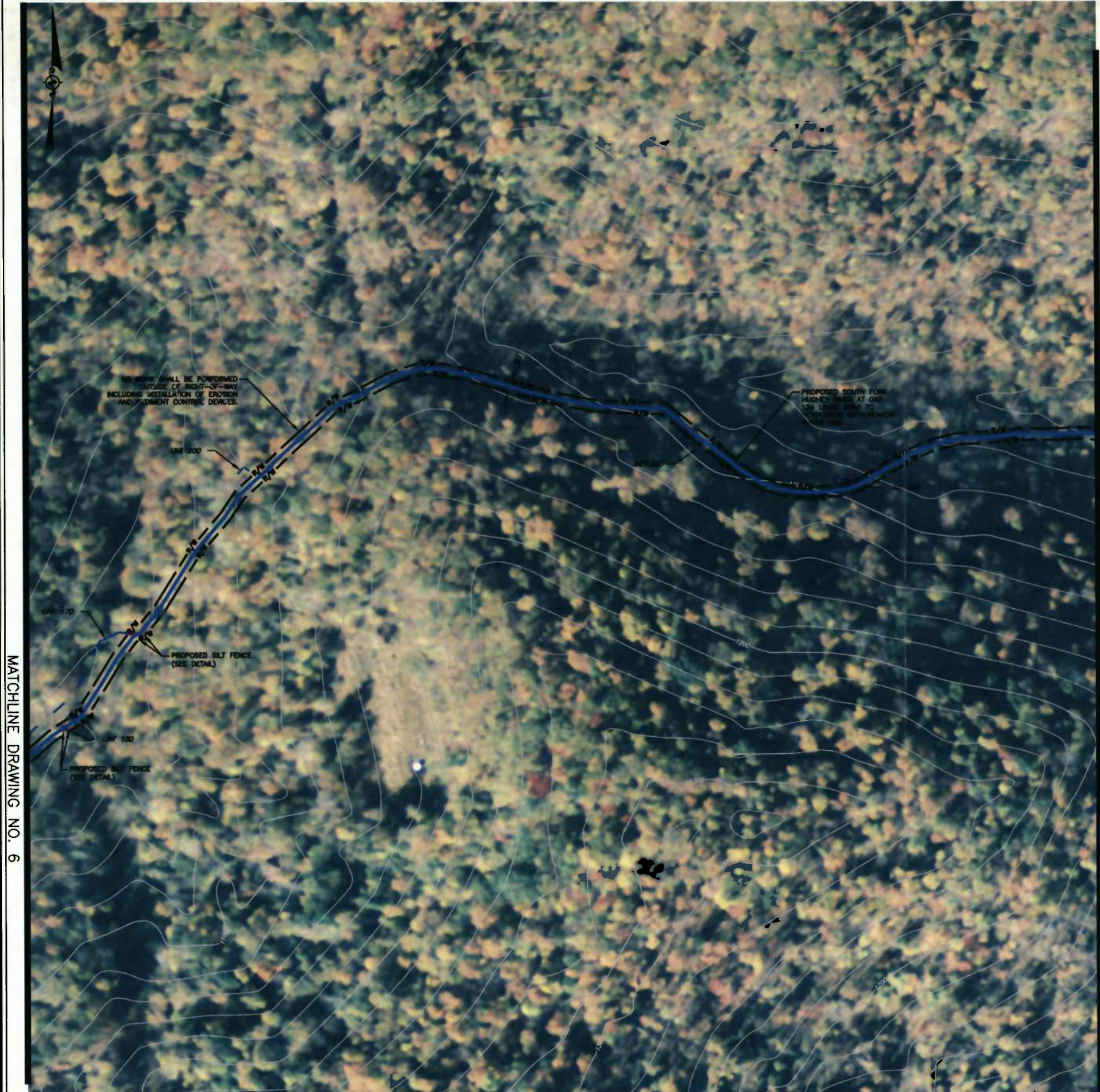
EQT PRODUCTION COMPANY  
120 PROFESSIONAL PLACE  
BRIDGEPORT, WEST VIRGINIA

Client  
THE PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPOUNDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

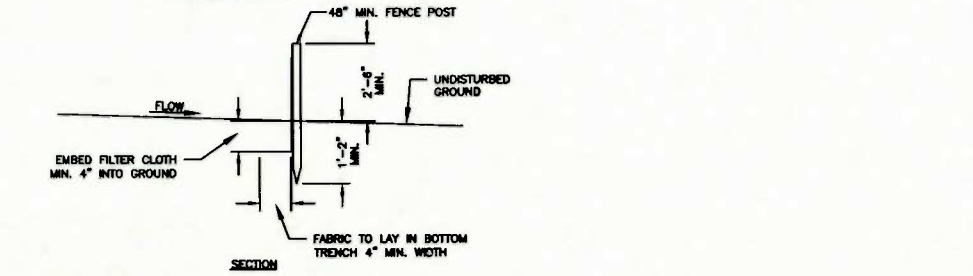
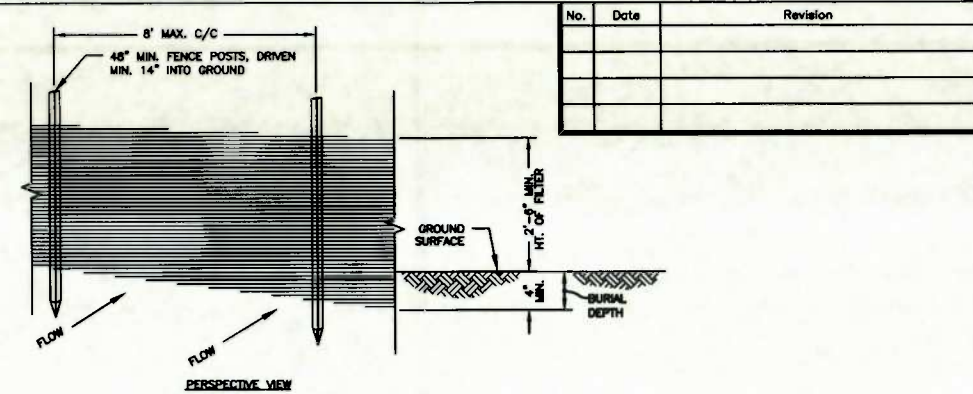


Project No. 11-0147-159  
 Date: SEPT 2015  
 Scale: 1" = 100'  
 Project No. 11-0147-159

MATCHLINE DRAWING NO. 6



MATCHLINE DRAWING NO. 8

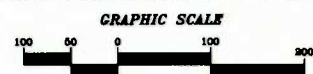


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DESIGN: SFHR  
 CO File No.

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

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 7018 MacCorkle Ave. SE, Charleston, WV 25304  
 TEL: (804) 943-1400 FAX: (804) 943-9031  
 E-Mail Address: potesta@potesta.com

POTESTA

EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

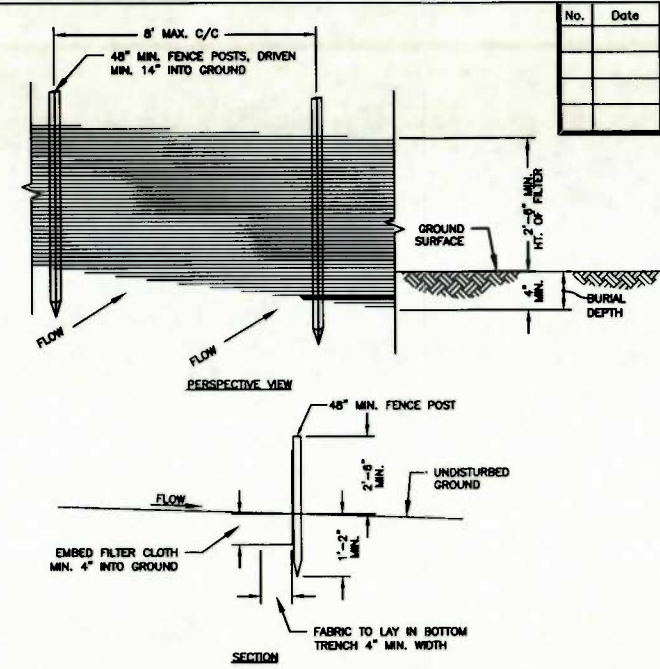
ISSUE DATE 9/11/2015

PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPONDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

Client

DRAWING NO. 7

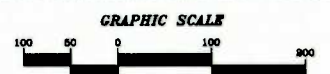




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1	400
2	250
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DESIGN: SFHR  
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**ISSUE DATE 9/11/2015**

Client  
EQT PRODUCTION COMPANY  
120 PROFESSIONAL PLACE  
BRIDGEPORT, WEST VIRGINIA

This PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPOUNDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

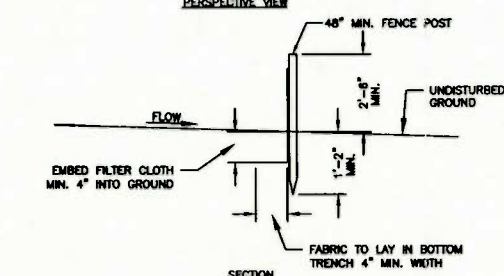
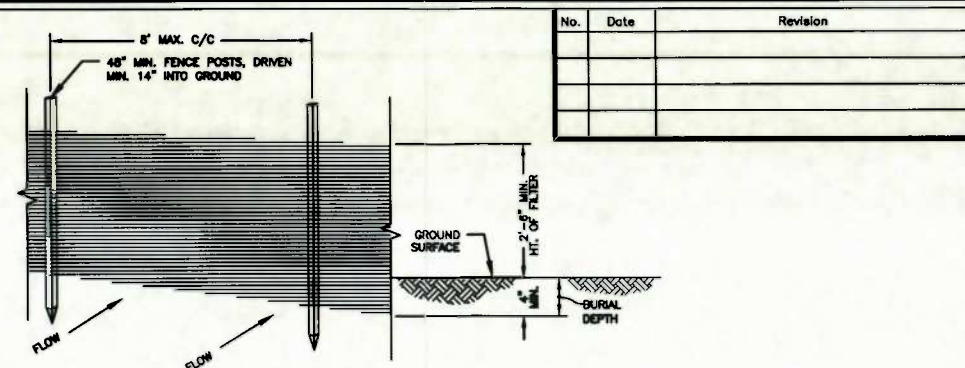
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PLOTTER: HP DesignJet T1100e  
PLOT SCALE: 1" = 100'  
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PLOT BY: JWB



MATCHLINE DRAWING NO. 10



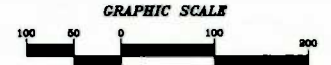
MATCHLINE DRAWING NO. 8



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**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.

DATE: 09/11/2015  
 DRAWN BY: JWB  
 CHECKED BY: JMS  
 PROJECT NO: 11-0147-159  
 SHEET NO: 9  
 PROJECT: EOT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BRIDGEPORT, WEST VIRGINIA  
 CLIENT: EOT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BRIDGEPORT, WEST VIRGINIA  
 DESIGNER: POTESTA & ASSOCIATES, INC. 7013 HARRISON AVE. STE. 200 CHARLESTON, WV 25304  
 TEL: (844) 944-1400 FAX: (844) 944-0081  
 E-MAIL: ADDRESS: potesta@potesta.com

ISSUE DATE 9/11/2015

DESIGN: SFHR  
 CUI 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 HARRISON AVE. STE. 200 CHARLESTON, WV 25304  
 TEL: (844) 944-1400 FAX: (844) 944-0081  
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POTESTA

EOT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

Client:

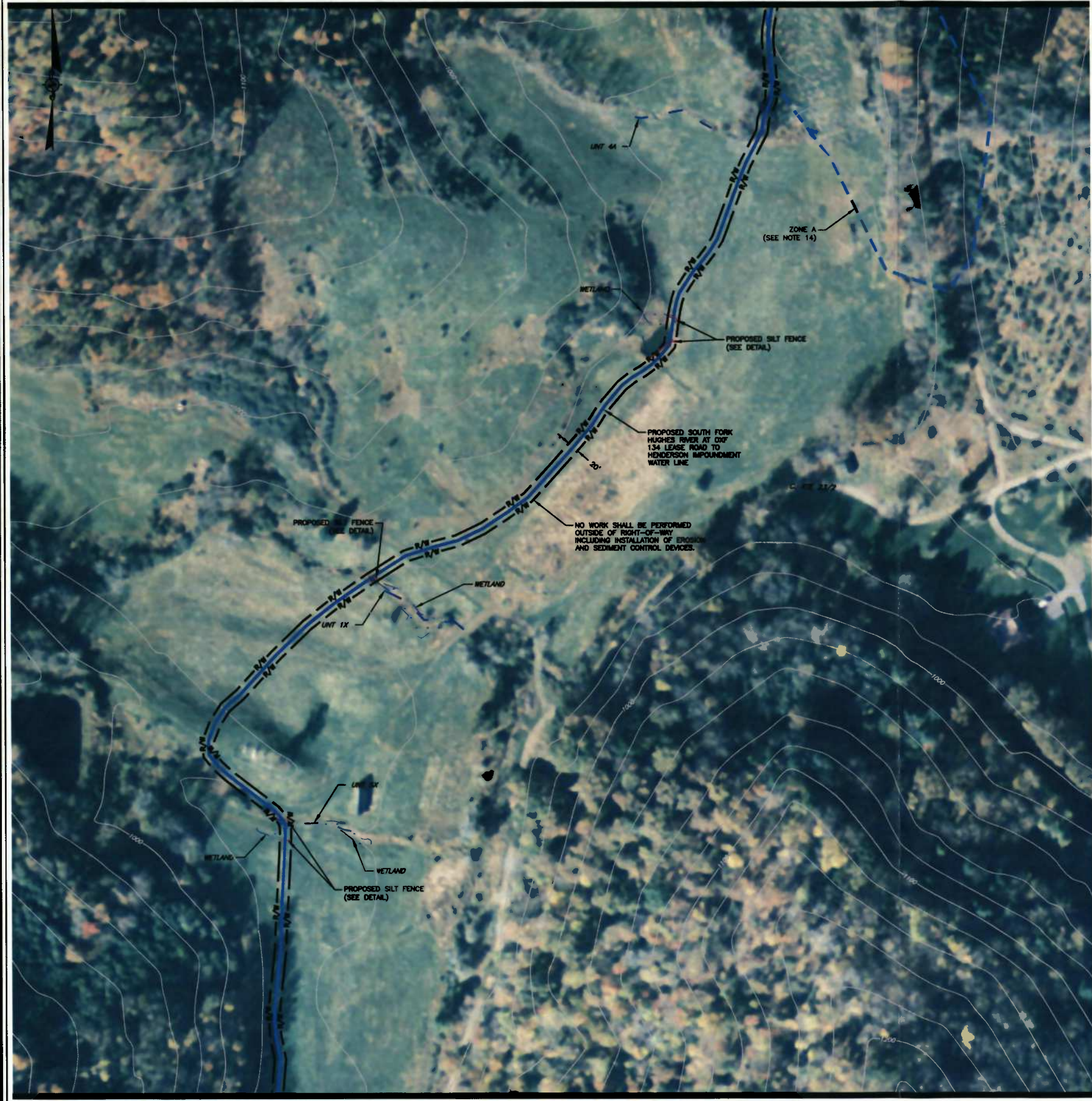
THIS PLAN SHEET SOUTH FORK OF HUGHES RIVER AT OXF 134 LEASE ROAD TO HENDERSON IMPOUNDMENT WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA

9

Drawing No.

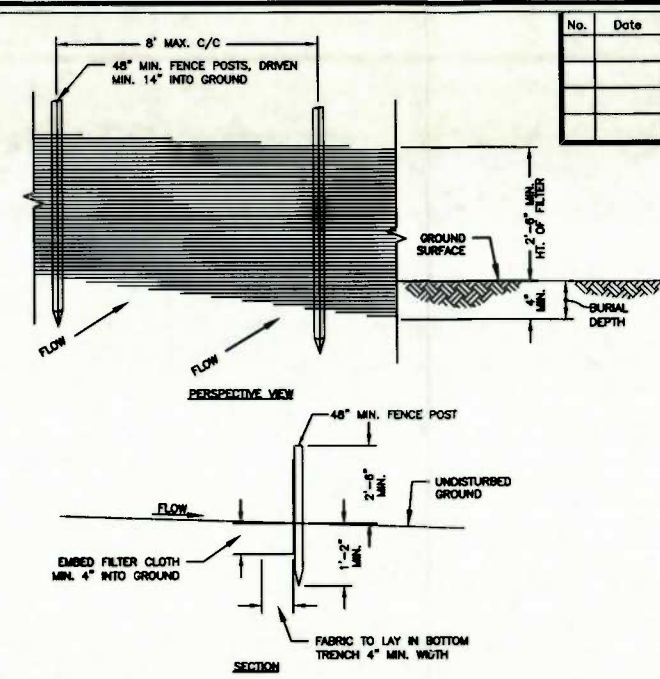


MATCHLINE DRAWING NO. 11



MATCHLINE DRAWING NO. 9

DATE: 09/11/2015  
 DRAWN BY: JWB  
 CHECKED BY: JMS  
 PROJECT NO.: 11-0147-159  
 SHEET NO.: 11

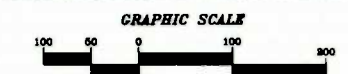


- NOTES:**
1. WHEN TWO SECTIONS OF SILT FENCE JOIN OVERLAP ACCORDING TO MANUFACTURERS PUBLISHED RECOMMENDATIONS.
  2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN HALF OF EXPOSED SILT FENCE IS COVERED WITH SEDIMENT.
  3. POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "T" OR "U" TYPE OR 1.5" HARDWOOD.
  4. FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LINO GTF 180" 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 RESEEDED 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 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



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 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.

No.	Date	Revision

DESIGN: SFHR  
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**POTESTA & ASSOCIATES, INC.**  
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 TEL: (804) 444-7400 FAX: (804) 444-4081  
 E-Mail: [info@potesta.com](mailto:info@potesta.com)

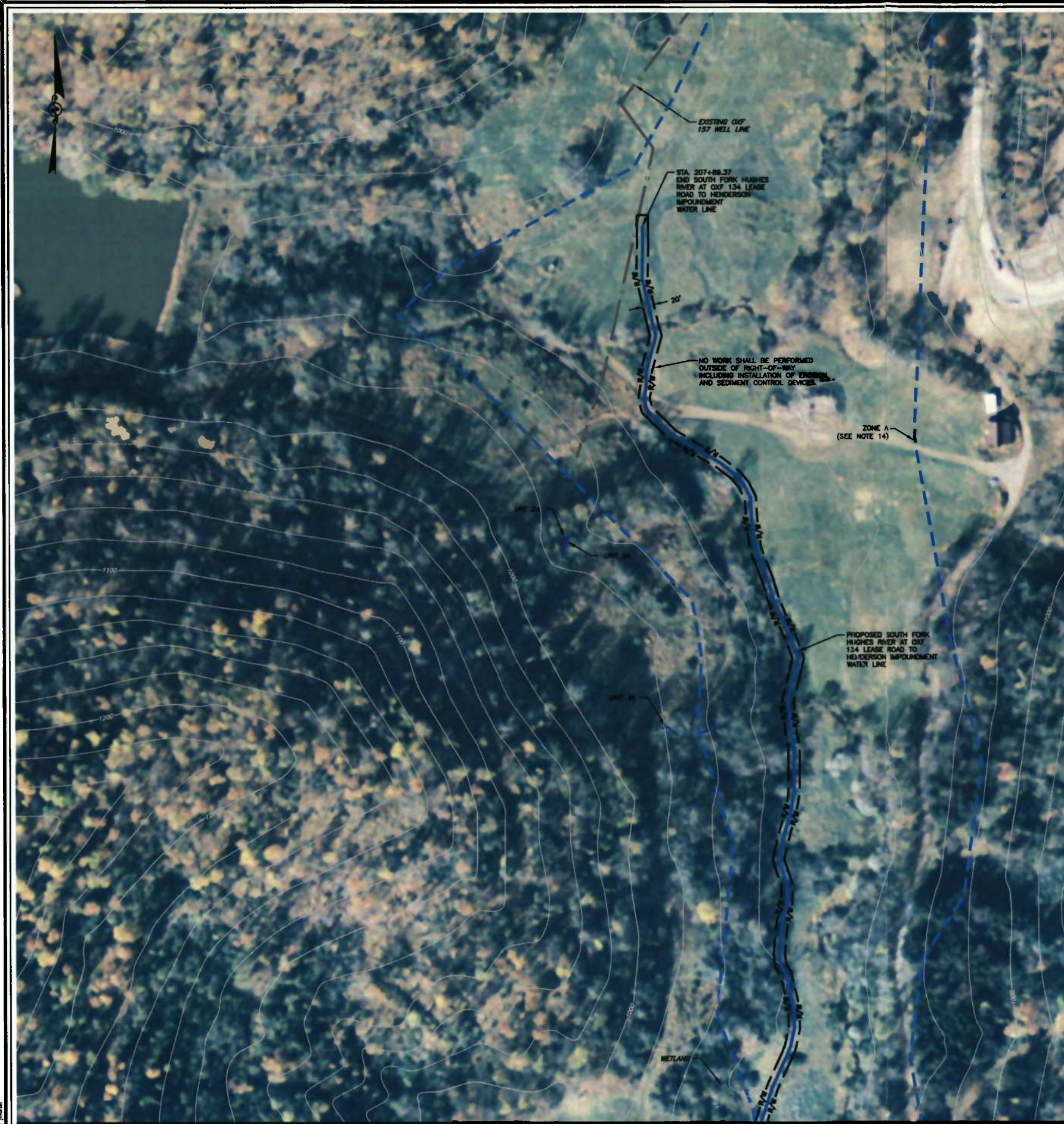
**POTESTA**

Client  
 EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

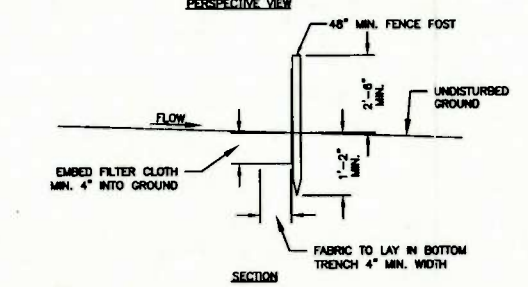
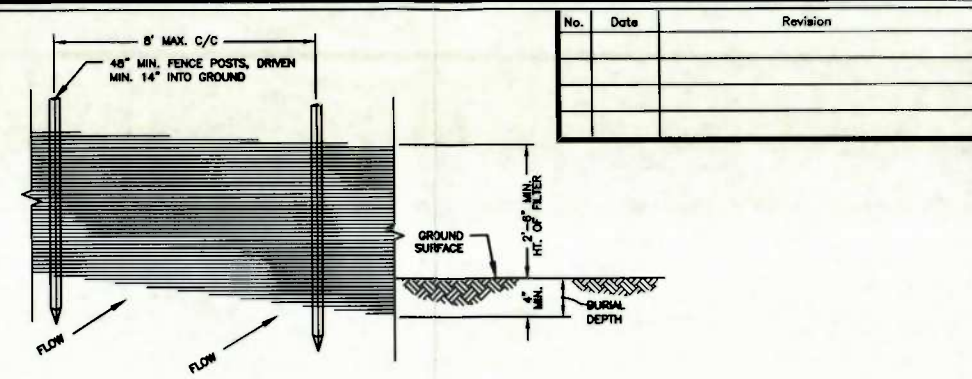
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DATE: 08/20/15  
 DRAWN BY: JWB  
 CHECKED BY: JMS  
 PROJECT: EQT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BRIDGEPORT, WEST VIRGINIA  
 SHEET: 11-0147-159-10



MATCHLINE DRAWING NO. 10



- 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 "BULGES" 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 GTF 180" 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

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20	45

**GRAPHIC SCALE**

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 TEL: (804) 843-1400 FAX: (804) 843-9001  
 E-Mail Address: potesta@potesta.com

POTESTA

EQT PRODUCTION COMPANY  
 120 PROFESSIONAL PLACE  
 BRIDGEPORT, WEST VIRGINIA

Client  
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11

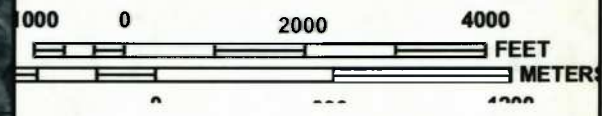
Drawing No.

ISSUE DATE 9/11/2015





MAP SCALE 1" = 2000'



NATIONAL FLOOD INSURANCE PROGRAM

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](http://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: # 15-382  
West Union

Date Approved: 11/18/2015



Expires: 11/18/2016

Issued to: EOT Production Company

POC: Lacoa Corder  
(304)848-0066

Company Address: 120 Professional Place  
Bridgeport, WV 26330

Project Address: EOT South Fork of Hughes River at OXE 134 Lease Rd to Henderson  
Impoundment Waterline

Firm: 225C

Lat/Long:

Purpose of development: Above Ground Temporary Waterline 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