

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 31<sup>st</sup> day of July, 2013

**DOMINION TRANSMISSION, INC. TL-283 PIPELINE REPLACEMENT PROJECT**

filed an

application for a Floodplain Permit to develop land located at or  
about: **ALEXANDER MISH SURFACE OWNER, Tax map 19 Parcel 51**

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 **August 20, 2013**.

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

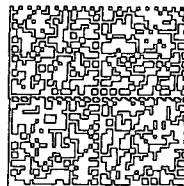
Beth A. Rogers  
Doddridge County Clerk  
Room 102  
118 East Court St.  
West Union, WV 26456

**CERTIFIED MAIL™**



7012 1010 0001 4282 8225

8-2-13  
8/28  
8/30



015H14112420  
**HASLER**  
\$6.11  
08/01/13  
Mailed From 26456  
**US POSTAGE**

RICHARD PRITCHARD  
RT 2, BOX 208  
SALEM, WV 26426

NIXIE 250 SE 1009 0009/04/13

RETURN TO SENDER  
UNCLAIMED  
UNABLE TO FORWARD

2645601282 26426042  
BC: 26456126227 \*1171-00812-01-42  
2645601282

## SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Richard Pritchard  
Rt. 2, Box 200  
Salem, WV 26426

## 2. Article Number

(Transfer from service label)

7012 1010 0001 4282 8225

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

X

- 
- Agent
- 
- 
- Addressee

## B. Received by (Printed Name)

## C. Date of Delivery

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

## 3. Service Type

- 
- Certified Mail
- 
- Express Mail
- 
- 
- Registered
- 
- Return Receipt for Merchandise
- 
- 
- Insured Mail
- 
- C.O.D.

## 4. Restricted Delivery? (Extra Fee)

- 
- Yes

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Bertha A Mish  
Rt. 2, Box 206  
Salem, WV 26426

## 2. Article Number

(Transfer from service label)

7012 1010 0001 4282 8195

**COMPLETE THIS SECTION ON DELIVERY**

## A. Signature

X *Bertha A. Mish*

 Agent Addressee

## B. Received by (Printed Name)

*Bertha A. Mish*

## C. Date of Delivery

D. Is delivery address different from item 1? 

If YES, enter delivery address:

## 3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

## 4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



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

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

BETH A. ROGERS  
DODDRIDGE COUNTY CLERK  
118 E. COURT ST., RM 102  
WEST UNION, WV 26456



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Wanda Cottrill  
Rt. 2, Box 205  
Salem, WV 26426

## 2. Article Number

(Transfer from service label)

7012 1010 0001 4282 8218

**COMPLETE THIS SECTION ON DELIVERY**

## A. Signature

X Wanda Cottrill

 Agent Addressee

## B. Received by (Printed Name)

WANDA Cottrill

## C. Date of Delivery

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

## 3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

## 4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
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• Sender: Please print your name, address, and ZIP+4 in this box •

BETH A. ROGERS  
DODDRIDGE COUNTY CLERK  
118 E. COURT ST., RM 102  
WEST UNION, WV 26456



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: **13-041**

Alexander A. Mish  
 Rt. 2, Box 204 C  
 Salem, WV 26426

 2. Article Number  
 (Transfer from service label)
**7012 1010 0001 4282 8485****COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X***Alexander Mish* Agent Addressee

B. Received by (Printed Name)

*Alexandra A Mish*

C. Date of Delivery

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:

 No

3. Service Type

**X** Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes.



UNITED STATES POSTAL SERVICE



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

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

PAID

2013 AUG 12 AM 11:49

BETH A. ROGERS  
DODDRIDGE COUNTY CLERK  
118 E COURT ST., RM 102  
WEST UNION, WV 26456



**Doddridge County Sheriff  
Flood Plain Ordinance Fund**

**1046**  
69-217/515

DATE August 8, 2013

PAY TO THE ORDER OF JEFFREY L. BARGER

\$ 941.75

Nine Hundred Forty-One Dollars and 75/100

DOLLARS

Security features included. Details on back.



*Ralph Sandora*  
*Beth A. Rogers*  
*MP*

MEMO #13-041 Reimb. TL-283 PL)

⑈001046⑈ ⑆051502175⑆

1109649⑈9⑈

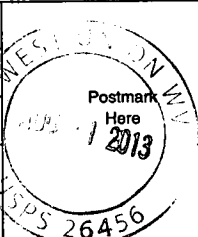
7012 1010 0001 4282 8225

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

**OFFICIAL USE**

Postage	\$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.11</b>



Sent To Richard Pritchard  
Street, Apt. No., or PO Box No. Rt 2, Box 208  
City, State, ZIP+4 Salem, WV 26426  
PS Form 3800, August 2006 See Reverse for Instructions

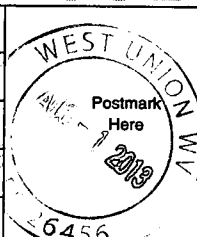
7012 1010 0001 4282 8195

U.S. Postal Service  
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<b>Total Postage &amp; Fees</b>	<b>\$ 6.11</b>



Sent To Bertha Ann Mish  
Street, Apt. No., or PO Box No. Rt. 2, Box 206  
City, State, ZIP+4 Salem, WV 26426  
PS Form 3800, August 2006 See Reverse for Instructions

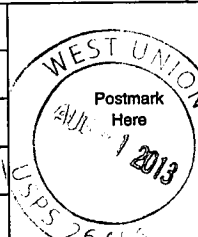
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Sent To Wanda Cottrill  
Street, Apt. No., or PO Box No. Rt. 2, Box 205  
City, State, ZIP+4 Salem, WV 26426  
PS Form 3800, August 2006 See Reverse for Instructions

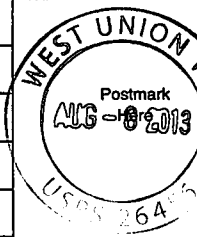
7012 1010 0001 4282 8495

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

**OFFICIAL USE**

Postage	\$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.11</b>



Sent To Alexander A. Mish  
Street, Apt. No., or PO Box No. Rt. 2 Box 204 C  
City, State, ZIP+4 Salem, WV 26426  
PS Form 3800, August 2006 See Reverse for Instructions

RANDAL L ROGERS  
1004 DOMINION CHECK  
500 DAVISSON RUN RD  
CLARKSBURG WV 26301

Commercial Convenience Check 105

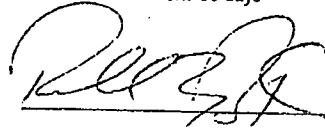
23 JULY 2013 68-1/510  
Date

Pay to the order of DODDRIDGE COUNTY COMMISSION \$ 1591.00  
ONE THOUSAND FIVE HUNDRED NINETY ONE AND NO/100 Dollars

Bank of America  Bank of America, N.A.  
Richmond, VA

Void after 60 days

For 58209.1.1.1 TL-283



⑆05⑆0000⑆7⑆0055⑆⑆00785433⑆0⑆05

Printed Name

2

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 31<sup>st</sup> day of July, 2013

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Delivered to the:

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118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager



PERMIT NO. 13-041

**DODDRIDGE COUNTY**  
**FLOODPLAIN DEVELOPMENT**  
**PERMIT**

PURPOSE FOR PERMIT: TL - 283 PIPELINE REPLACEMENT  
PROJECT

ISSUED TO DOMINION TRANSMISSION, INC.

ADDRESS: 445 WEST MAIN ST.  
CLARKSBURG, WV 26301

PROJECT ADDRESS: RT. 23  
ROBINSON FORK

ISSUED BY: Dan Melling

DATE: 08/22/2013

THIS PERMIT MUST BE POSTED ON THE PREMISES IN A CONSPICUOUS PLACE SO AS TO BE CLEARLY  
VISIBLE FROM THE STREET.

# DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

## 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 \_\_\_\_\_

07-29-13

## SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: \_\_\_\_\_

JEFFREY L. BARBER

ADDRESS: \_\_\_\_\_

445 WEST MAIN STREET, CLARKSBURG, WV 26301

TELEPHONE NUMBER: \_\_\_\_\_

(304) 627-3229

FILED  
JUL 30 AM 7:50  
DODDRIDGE COUNTY, W.VA.

BUILDER'S NAME: HOUGHIN CONSTRUCTION, LLC  
 ADDRESS: 1825 ALTIZER ROAD, ARNOLDSBURG, WV 25234  
 TELEPHONE NUMBER: (304) 655-8379

ENGINEER'S NAME: JEFF HULL  
 ADDRESS: 335 US HIGHWAY 33 WEST, WESTON, WV 26452  
 TELEPHONE NUMBER: (304) 269-6936

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) ALEXANDER MISH

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) ROUTE 2 BOX 204C

DISTRICT: SALEM

DATE/FROM WHOM PROPERTY PURCHASED: \_\_\_\_\_

LAND BOOK DESCRIPTION: \_\_\_\_\_

DEED BOOK REFERENCE: \_\_\_\_\_

TAX MAP REFERENCE: TAX MAP 19 / PARCEL 51

EXISTING BUILDINGS/USES OF PROPERTY: RESIDENTIAL

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY ALEXANDER MISH

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY ROUTE 2 BOX 204C, SALEM, WV 26426

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)  
 A. STRUCTURAL DEVELOPMENT



ACTIVITY

STRUCTURAL TYPE

- New Structure
- Addition
- Alteration
- Relocation
- Demolition
- Manufactured/Mobil Home

- Residential (1 - 4 Family)
- Residential (more than 4 Family)
- Non-residential (floodproofing)
- Combined Use (res. & com.)
- Replacement - PIPELINE

**B. OTHER DEVELOPMENT ACTIVITIES:**

- Fill                       Mining                       Drilling                       Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Altercation (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)

**C. STANDARD SITE PLAN OR SKETCH**

1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.
2. IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:  
SKETCH ON A SEPARATE 8 1/2 X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. SIGN AND DATE THE SKETCH.

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 218,200

**D. ADJACENT AND/OR AFFECTED LANDOWNERS:**

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).

NAME: BERTHA ANN MISH  
ADDRESS: ROUTE 2 BOX 206  
SALEM, WV 26426

NAME: RICHARD PRITCHARD  
ADDRESS: ROUTE 2 BOX 208  
SALEM, WV 26426

NAME: WANDA COTTRILL  
ADDRESS: ROUTE 2 BOX 205  
SALEM, WV 26426

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.

NAME: SAME AS ABOVE  
ADDRESS: \_\_\_\_\_

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

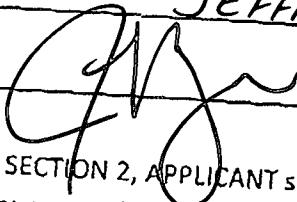
E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

- (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
- (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
- (C) PUBLICATION.

- (D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
- (E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): JEFFREY L. BARBER

SIGNATURE:  DATE: 07-29-13

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

**SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)**

**THE PROPOSED DEVELOPMENT:**

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: 065 - 155  
Dated: Oct 4 2011

- Is NOT located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).
- Is located in Special Flood Hazard Area.  
FIRM zone designation A  
100-Year flood elevation is: N/A NGVD (MSL)
- Unavailable
- The proposed development is located in a floodway.  
FBFM Panel No. \_\_\_\_\_ Dated \_\_\_\_\_
- See section 4 for additional instructions.

SIGNED *Dan Wellen*

DATE 08/22/2013

**SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)**

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
- Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also \_\_\_\_\_
- Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
- Plans showing the extent of watercourse relocation and/or landform alterations.
- Top of new fill elevation \_\_\_\_\_ Ft. NGVD (MSL).  
For floodproofing structures applicant must attach certification from registered engineer or architect.
- Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
- Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)**

I have determined that the proposed activity (type is or is not) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County?  Yes  No  
Hearing Date: \_\_\_\_\_  
County Commission Decision - Approved  Yes  No

CONDITIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).**

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

*NOT APPLICABLE*

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is \_\_\_\_\_ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is \_\_\_\_\_ FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

**SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).**

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE: 12/06/13 BY: Dan Mellis  
DEFICIENCIES? Y/N

COMMENTS reclamation complete  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).**

Certificate of Compliance Issued: DATE: 12/06/13 BY: Dan Mellis

**CERTIFICATE OF COMPLIANCE  
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA  
(OWNER MUST RETAIN)**

PERMIT NUMBER: 13-041

PERMIT DATE: 08/22/2013

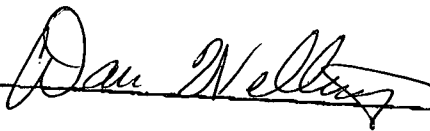
**PURPOSE -**

CONSTRUCTION LOCATION: Robinson Fork  
TL-283 Pipeline replacement

OWNER'S ADDRESS: Dominion - Jeffrey L. Barber  
445 W. Main St., Marksburg  
W.V. 26301

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN  
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE  
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF  
DODDRIDGE COUNTY ON MAY 21, 2013.**

SIGNED  DATE 12/06/2013

Dominion Resource Services  
500 Davisson Run Road  
Clarksburg, WV 26301



July 25, 2013

**BY OVERNIGHT (OR EXPRESS) MAIL**

Dan Wellings  
Doddridge County Clerk  
118 East Court Street  
West Union, WV 26456

**RE: Dominion Transmission, Inc.**  
**2013 TL-283 Pipeline Replacement Project: Jobs 1 and 3**  
**Flood Plain Development Permit Application**  
**Doddridge County, West Virginia**

Dear Mr. Wellings:

Dominion Transmission, Inc. (DTI) has enclosed for your review the Doddridge County Flood Plain Development Permit Application for the TL-283 Replacement Project. DTI proposes to replace a 1200-foot section of 16-inch pipeline within the Robinson Fork flood plain as presented on the enclosed location maps. DTI has also enclosed the permit review fee of \$1,591.00 and the fee calculation sheet for the construction activities that are to take place within the flood plain.

If you have any questions concerning this application or would like additional information, please contact me at (804) 273-3010, or Randal Rogers at (304) 627-3229 or [Randal.L.Rogers@dom.com](mailto:Randal.L.Rogers@dom.com). Please direct your response to:

Randal Rogers  
Dominion Resources Services, Inc.  
500 Davisson Run Road  
Clarksburg, WV 26301

Sincerely,

Robert M. Bisha  
Director, Environmental Business Support  
Dominion Resources Services, Inc.

Enclosures

Cc: Randal Rogers, Dominion Resources

2013 AUG 26 AM 11:50  
FBI  
CLARKSBURG, WV



**ENCLOSURES**

**DODDRIDGE COUNTY FLOOD PLAIN DEVELOPMENT APPLICATION  
WITH ATTACHMENTS**

Alex Mish

\* 782-3926  
782-3478

Wants on list  
to speak at Comm  
meeting Thurs.

He owns land Dominion  
is drilling on.

Alexander A. Mish  
Rt. 2 Box 204C  
Salem, WV 26426

2013 AUG -5 PM 3:54  
RECEIVED  
SOUTH WEST VIRGINIA  
COMMUNITY COLLEGE

Dominion file

regarding Flood Plain application,

Dominion Gas Started work June 28/13.

Flood plain problems on My property and Ann Mish's adjoining property have been going on for many years. Over the years past, fixing pipe or electric wire buried with pipe they have dug and left exposed loose soil. The stream in the lower field floods. Any loose soil from their work washes out, leaving us with a much lower field and worsening flood plain. This has been going on for years ever since original line was installed.

Since June 28-13 they have tore all the fields up by boring under Creek and Rt 23. Bentonite has been used abundantly and they have built barriers of dirt and fill them with liquid Bentonite. When completed they hauled 7 tractor trailer loads of My dirt and Bentonite. This is all soil that up to now hasnt been replaced, which will make field lower. Bentonite and soil bentonite mix is still present. Upper field does not flood but soil here also was removed. Also a gas well located in field was run over and had to be fixed. everything above ground was broke off well casing. Casing still leaks from this accident.

A year or so ago Joseph Purnell of Dominion came to secure permission to dig and I relayed my concern about soil loss. He said they would bring soil. I still havent seen it.

304-762-3478

Alex Mish

Regarding:

FILED

Floodplain Permit Application

2013 AUG -5 AM 11:39

Dominion Transmission, Inc. TL-283 Pipeline replacement  
J. A. GERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

I personally feel that Dominion has created the current flooding problems on my property as well as, Alex Mish's adjoining property. The method they use by taking away, by the truck loads, tons of top soil from area, has lowered the field by over two and a half feet! To date, no soil has been replaced or conditions restored from previous work done in field by dominion while my parents were alive, back in the early nineties.

It was at that time the field started flooding as the ground level was lowered and never replaced or built up. I moved here before my father's death in 1995 and witnessed the flooding of the field many times and have photos to show the area the water covered. As of this writing it has not flooded to show how much more area it will take in now with the new pipeline work that is being done by Dominion!

Mr. Pernell, Sr. Corrosion Technician, for Dominion, told Mr. Mish and I, over a year ago that Dominion would bring replacement soil and spread on field; raising the elevation above the creek level. It has never been done!

The area has been damaged beyond repair with work done on pipeline replacement, which was started on June 28, 2013. I question the necessity of digging the entire area when they drilled sixteen feet below the creek to replace pipeline. Damage done to creek crossing was senseless as the digging was not necessary and now the ground level is far below the creek level, the creek banks have been destroyed and the next flood will take out any soil they might put back, if required to!

As well as, adding to the flooding, Dominion's contracted company, (Houchin Construction, Mr. Randal Arnold foreman) have used and spread Bentonite Quick Gel the length of pipeline work area. After researching the hazards of this material I fear for the health safety of myself, friends, family and for the pollution of my county!!! This material will only be spread further and faster with flooding, polluting more of our once pristine farm lands.

More enforced regulations and laws should be in existence and used for all concerned and living in Doddridge County.

Sincerely

*Bertha A. Mish*  
*aug 2, 2013*



Dan Wellings <wellingsd8@gmail.com>

---

## Floodplain permit app. for TL-283 replacement project

1 message

---

**Dan Wellings** <wellingsd8@gmail.com>

Thu, Aug 1, 2013 at 7:08 AM

To: Randal.L.Rogers@dom.com

Randal,

I was pleased to finally receive an application for this project.

I will be inspecting the site today.

I do however need a cover sheet signed and sealed by a licensed engineer stating the methods to be used and that no change in the base flood elevation (BFE) will occur while work is being performed or as a result of the finished project before I can grant a permit.

I will start the application process, but please submit said cover sheet as quickly as possible.

Dan Wellings, PS  
Doddridge County Floodplain Manager

Dominion Resource Services  
500 Davisson Run Road  
Clarksburg, WV 26301



July 25, 2013

**BY OVERNIGHT (OR EXPRESS) MAIL**

Dan Wellings  
Doddridge County Clerk  
118 East Court Street  
West Union, WV 26456

**RE: Dominion Transmission, Inc.**  
**2013 TL-283 Pipeline Replacement Project: Jobs 1 and 3**  
**Flood Plain Development Permit Application**  
**Doddridge County, West Virginia**

Dear Mr. Wellings:

Dominion Transmission, Inc. (DTI) has enclosed for your review the Doddridge County Flood Plain Development Permit Application for the TL-283 Replacement Project. DTI proposes to replace a 1200-foot section of 16-inch pipeline within the Robinson Fork flood plain as presented on the enclosed location maps. DTI has also enclosed the permit review fee of \$1,591.00 and the fee calculation sheet for the construction activities that are to take place within the flood plain.

If you have any questions concerning this application or would like additional information, please contact me at (804) 273-3010, or Randal Rogers at (304) 627-3229 or [Randal.L.Rogers@dom.com](mailto:Randal.L.Rogers@dom.com). Please direct your response to:

Randal Rogers  
Dominion Resources Services, Inc.  
500 Davisson Run Road  
Clarksburg, WV 26301

Sincerely,

A handwritten signature in black ink that reads "Robert M. Bisha".

Robert M. Bisha  
Director, Environmental Business Support  
Dominion Resources Services, Inc.

Enclosures

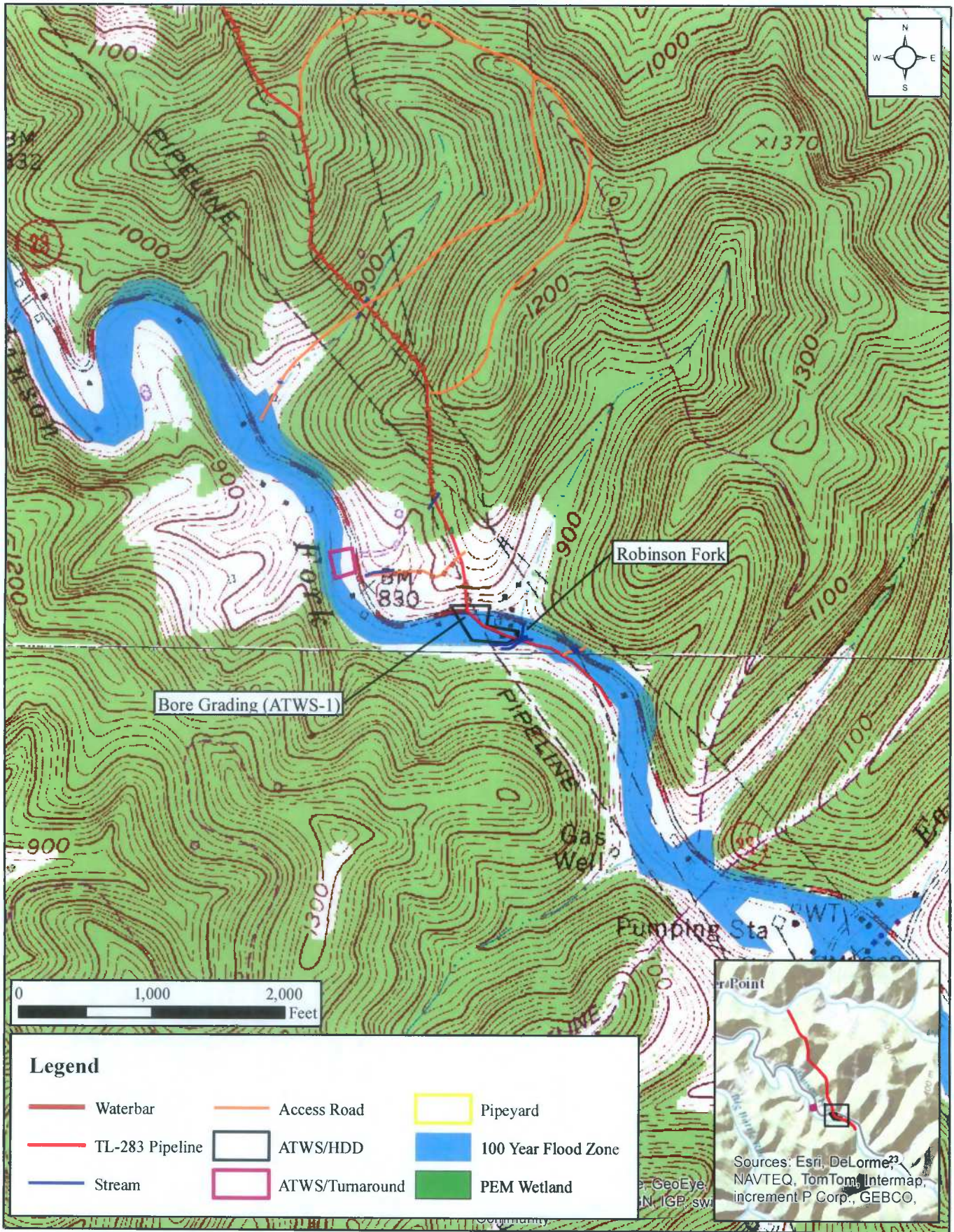
Cc: Randal Rogers, Dominion Resources

**ENCLOSURES**

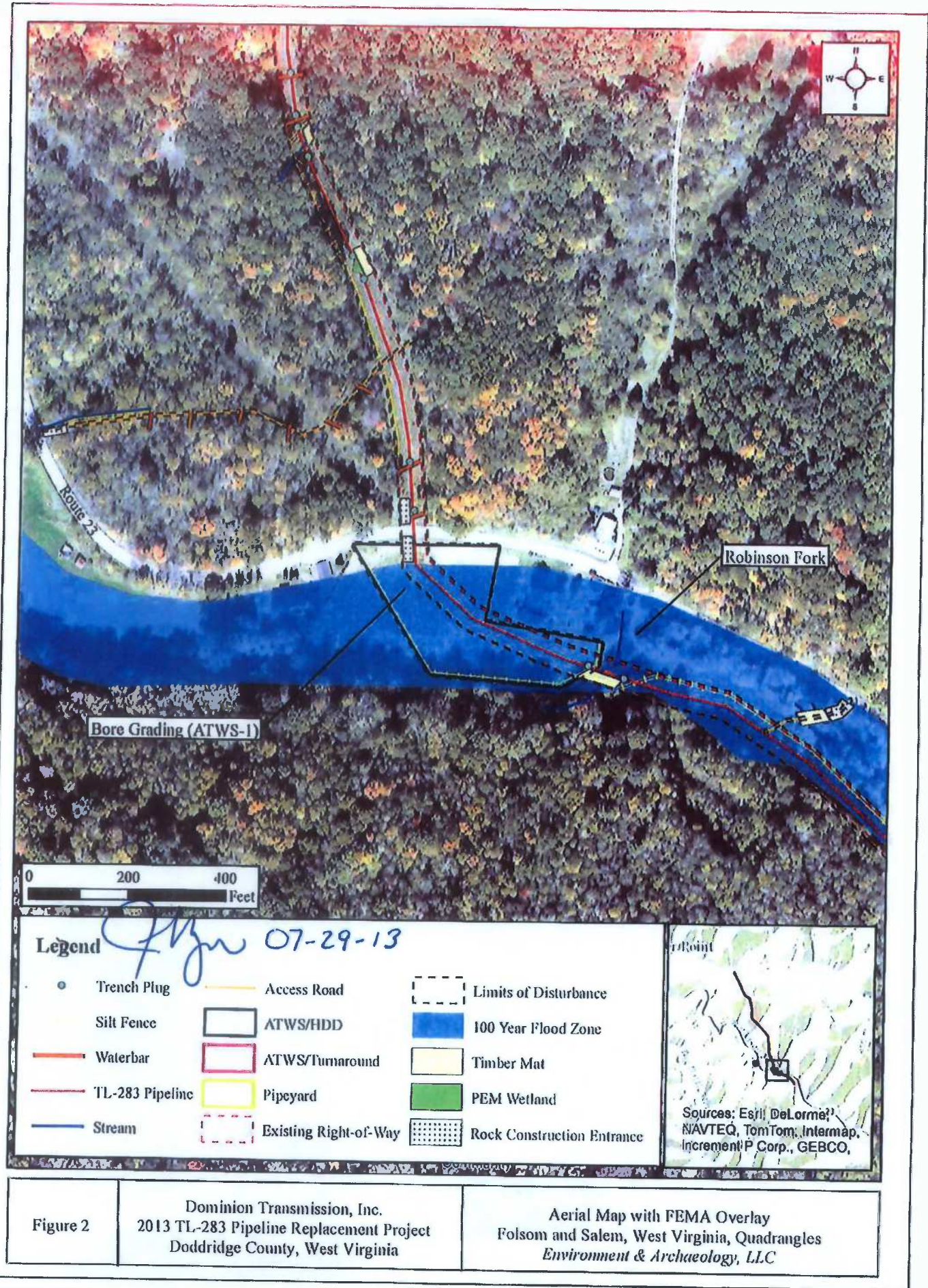


DODDRIDGE COUNTY FLOOD PLAIN DEVELOPMENT APPLICATION  
WITH ATTACHMENTS

ATTACHMENT 1  
MAPS



<p>Figure 1</p>	<p>Dominion Transmission, Inc. 2013 TL-283 Pipeline Replacement Project Doddridge County, West Virginia</p>	<p>USGS 7.5' Topographic Map with FEMA Overlay Folsom and Salem, West Virginia, Quadrangles <i>Environment &amp; Archaeology, LLC</i></p>
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Legend *J. J. ... 07-29-13*

- Trench Plug
- Access Road
- Silt Fence
- Waterbar
- TL-283 Pipeline
- Stream
- ATWS/HDD
- ATWS/Turnaround
- Pipeyard
- Existing Right-of-Way
- - - Limits of Disturbance
- 100 Year Flood Zone
- Timber Mat
- PEM Wetland
- Rock Construction Entrance

Sources: Esri, DeLorme,  
 NAVTEQ, TomTom, Intermap,  
 Increment P Corp., GEBCO,

**Figure 2**  
 Dominion Transmission, Inc.  
 2013 TL-283 Pipeline Replacement Project  
 Doddridge County, West Virginia

Aerial Map with FEMA Overlay  
 Folsom and Salem, West Virginia, Quadrangles  
 Environment & Archaeology, LLC

ATTACHMENT 2  
EXCERPT FROM STORMWATER POLLUTION PREVENTION PLAN

# 3.02 - STABILIZED CONSTRUCTION ENTRANCE

---

## ***Introduction***

Large quantities of mud can be tracked onto public and private roads causing dangerous driving conditions and muddy runoff when it rains. Construction entrances are stabilized to reduce the amount of sediment transported onto paved roads by vehicles or equipment by constructing a stabilized pad of stone at entrances to construction sites.

## ***Conditions Where Practice Applies***

Stabilized Construction Entrances shall be installed wherever construction traffic enters and leaves a site.

## ***Design Criteria***

1. Use 2-4 inch stone for low volume entrances, larger stone (4-6 inch) for heavy use or material delivery entrances.
2. Length is as required, but not less than 70 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness should be not less than 6 inches.
4. The width shall be a minimum of 10 feet, but not less than the full width at points where ingress or egress occurs.
5. Geotextile fabric shall be placed over the entire area prior to the placing of stone.
6. All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If a culvert is impractical, a mountable berm with 5:1 slopes shall be used.
7. If necessary, divert any water running down access road to a sediment trap located on either side of the Stabilized Construction Entrance.

## ***Maintenance***

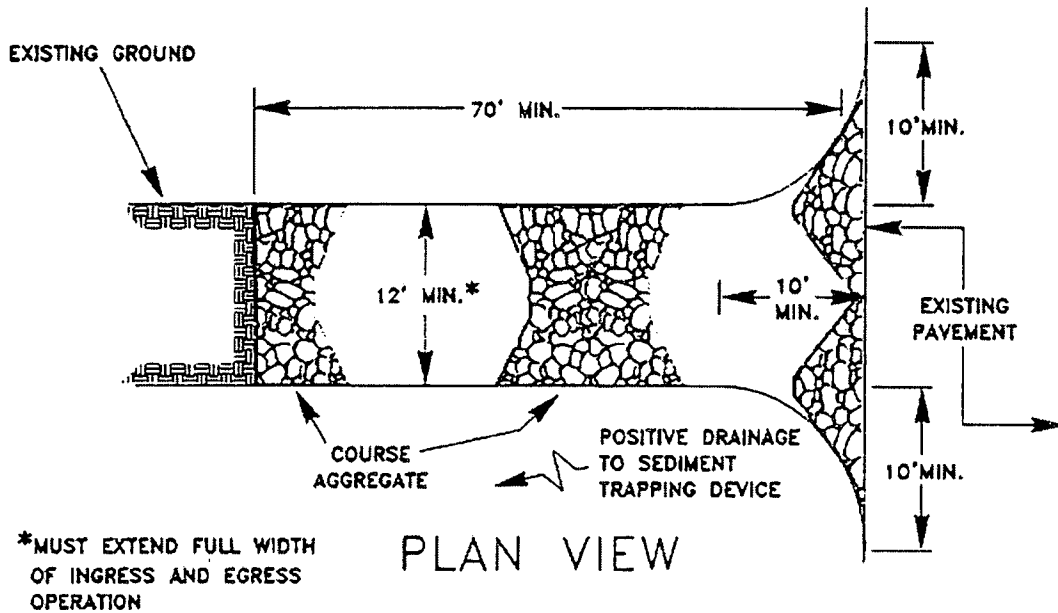
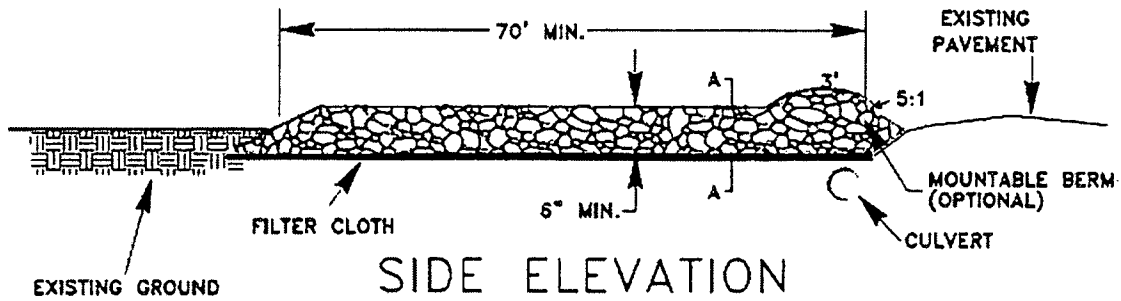
The entrance shall be maintained in a condition that will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

Wheels on all vehicles shall be cleaned to remove sediment prior to entrance onto public rights-of-way. If washing is required, it shall be done on an area stabilized with stone and which drains into approved sediment trapping device. If the street is washed precautions must be taken to prevent muddy water from running into waterways or storm sewers.

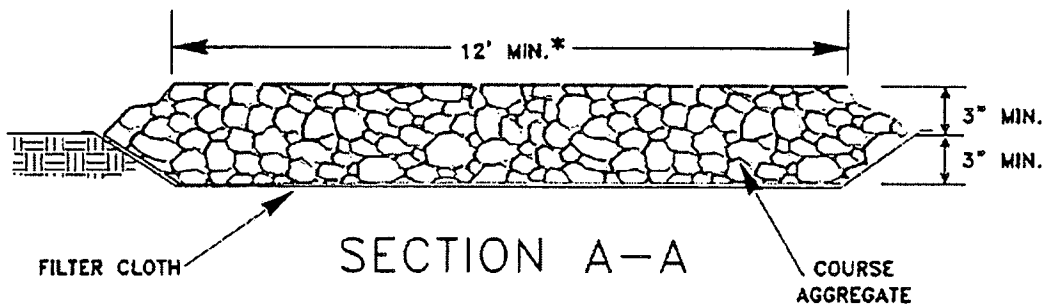
Inspection and needed maintenance should be provided daily but at a minimum every seven days and after every rain of 0.5 inch or greater.

FIGURE 3.02.1

# STONE CONSTRUCTION ENTRANCE



\*MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION



# **3.03 - TEMPORARY CONSTRUCTION ROAD, WORK AND PARKING AREA STABILIZATION**

---

## ***Introduction***

The temporary stabilization of access roads, haul roads, parking areas, laydown, material storage and other onsite vehicle transportation routes with stone immediately after grading. This practice is used to reduce the erosion and subsequent regrading of temporary and permanent roadbeds, work areas and parking areas rutted by construction traffic during wet weather. Provides easier access in all weather and reduces tracking mud onto public roads.

## ***Conditions Where Practice Applies***

All temporary work areas on a construction site where vehicular traffic will occur.

## ***Construction Specifications***

1. Temporary roads shall follow the contour of the natural terrain to the extent possible. Slopes should not exceed 15 percent.
2. Temporary parking areas should be located on naturally flat areas to minimize grading. Grades should be sufficient to provide drainage but should not exceed 4 percent.
3. Roadbeds should be at least 14 feet wide for one-way traffic and 20 feet wide for two-way traffic. Haul roads should be at least 30 feet wide.
4. All cuts and fills should be 2:1 or flatter.
5. Drainage ditches and culverts shall be provided as needed.
6. The roadbed or parking surface shall be cleared of all vegetation, roots and other objectionable material.
7. A 6-inch course of crushed aggregate shall be applied immediately after grading. Geotextile fabric should be applied to the roadbed for additional stability. In heavy duty traffic situations, stone should be placed at an 8 to 10 inch depth to avoid excessive maintenance.
8. Stabilize disturbed areas not covered with stone immediately after installation with appropriate temporary or permanent vegetation according to the applicable standards and specifications contained in this manual.
9. Also see, access road section, for water control practices.

## ***Maintenance***

Inspect and perform needed maintenance at a minimum once every seven



calendar days and within 24 hours after any storm event greater than 0.5 inches of rain per 24 hour period.

Both temporary and permanent roads, laydown and work areas and parking areas may require periodic top dressing with new gravel.

Seeded areas adjacent to the roads and parking areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained.

Roadside ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.

## **3.27 - SILT FENCE**

---

### ***Introduction***

A temporary sediment barrier consisting of a synthetic filter fabric stretched across and attached to supporting posts and entrenched. Used to intercept and detain small amounts of sediment from disturbed areas during construction operations in order to prevent sediment from leaving the site.

No sediment control device is misused more than silt fence (with the possible exception of hay bales). Much of the silt fence used in West Virginia is not installed properly. The device does not work if:

1. not entrenched a minimum of 4 inches.
2. not placed on the contour-perpendicular to the flow of the water.
3. installed in areas of concentrated flows.
4. installed to contain sediment from too large of an area.
5. little or no maintenance is performed on it.

Silt fence does not actually filter sediment from muddy water. In field conditions silt fence acts as a barrier to the flow of water, like a dam, reducing the energy of the water, which causes the suspended material to settle out. It is because of the low permeability of the fabric that silt fence is limited to small drainage areas

Installing silt fence is very labor intensive. It is usually installed by hand and accumulated sediment must be removed and disposed of by hand. In many scenarios, installing a diversion and sediment trap would be more effective and less expensive than using silt fence. In addition, the NPDES permit requires that a sediment trap or basin be installed whenever possible.

### ***Conditions Where Practice Applies***

1. Below disturbed areas where erosion would occur in the form of sheet and small rill erosion.
2. Where the size of the drainage area is no more than one-quarter acre per 100 feet of silt fence length; the maximum gradient above the barrier should be less than 2:1.
3. Silt fence will not be used in areas where rock or some other hard surface prevents the full and uniform anchoring of the barrier.
4. Silt fence should NEVER be installed in streams or swales or in any area where there is a reasonable chance of concentrated flow. In areas where concentrated flows can be expected, use diversions and sediment traps and /or sediment basins. In ditches or swales rock check dams should be used in place of silt fence.

### ***Design Criteria***

1. No formal design is required. An effort should be made to locate silt fence at least 5 feet to 10 feet beyond the toe of slope.

2. Silt fence should be limited to situations in which only sheet is expected.
3. Silt fence should be installed prior to major soil disturbance.
4. Silt fence should be placed across the bottom of a slope along a line of uniform elevation (ALWAYS perpendicular to the direction of flow).
5. Any time a section of silt fence is knocked down by concentrated flows the silt fence will be replaced with a diversion and sediment trap or super silt fence.

**Construction Specifications**

**Materials**

1. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the requirements noted in WV DOT DOH Specifications or the GEOTEXTILE section.
2. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months expected usable construction life at a temperature range of 0 to 120 degrees Fahrenheit.
3. If wooden stakes are utilized for silt fence construction, they must be a minimum of 2" x 2" when oak is used and 2" x 4" when pine is used. Wooden stakes should have a minimum length of 5 feet.
4. If steel posts (standard "U" or "T" section) are utilized for silt fence construction, they must have a minimum weight of 1.33 pounds per linear foot and should have a minimum length of 5 feet.

**Installation**

1. The height of a silt fence shall be a minimum of 16 inches above the original ground surface and shall not exceed 34 inches above ground elevation.
2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are unavoidable, the silt fence shall be spliced together only at a support post, by twisting the last post of each run around the other, and securely sealed. (see drawing)
3. A trench shall be excavated approximately 4 inches wide and 4 inches deep on the upslope side of the proposed location of the measure.
4. The filter fabric shall be fastened securely to the upslope side of the posts using one inch long (minimum) heavy-duty wire staples or tie wires and eight inches of the fabric shall be extended into the trench. The fabric shall not be stapled to existing trees. The most common type of silt fence has the stakes attached to the fabric at the factory.
5. The 4-inch by 4-inch trench shall be backfilled and the soil compacted over the filter fabric.

6. Silt fence shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.
7. Turn the end of a run of Silt Fence slightly uphill to prevent runoff from going around the end.

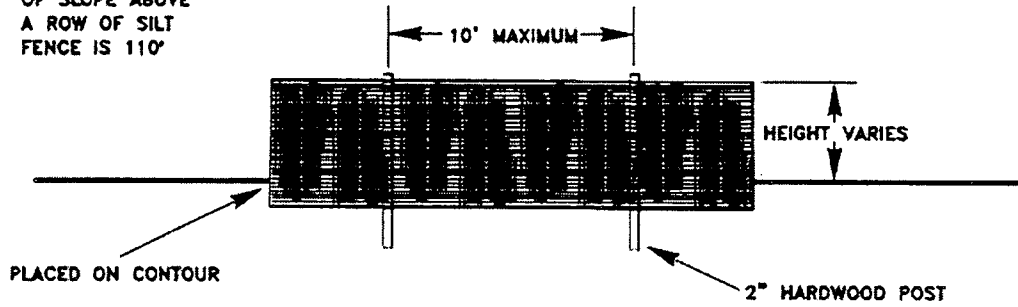
**Maintenance**

1. Silt fences shall be inspected immediately after each rainfall of 0.5 inch or greater and at least daily during prolonged rainfall or once a week. Any required repairs or maintenance shall be made immediately.
2. Close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting. If the fence is not installed on the contour (perpendicular to the flow of the water) both of these conditions can occur.
3. Should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier still is necessary, the fabric shall be replaced promptly.
4. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
5. If any section of silt fence is knocked down during a rain event (because it was installed in an area of concentrated flow) then other measures such as a sediment trap and diversion or super silt fence must be installed.

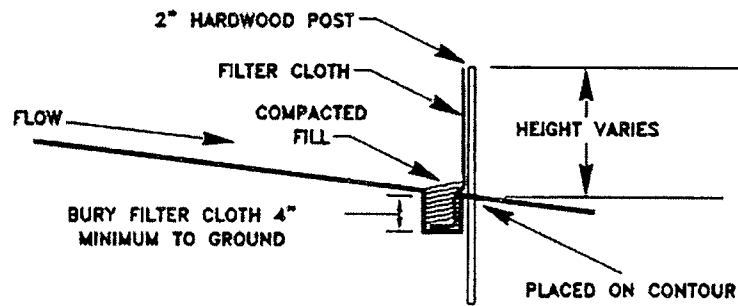
FIGURE 3.27.2

# SILT FENCE

NOTE:  
THE MAXIMUM LENGTH  
OF SLOPE ABOVE  
A ROW OF SILT  
FENCE IS 110'



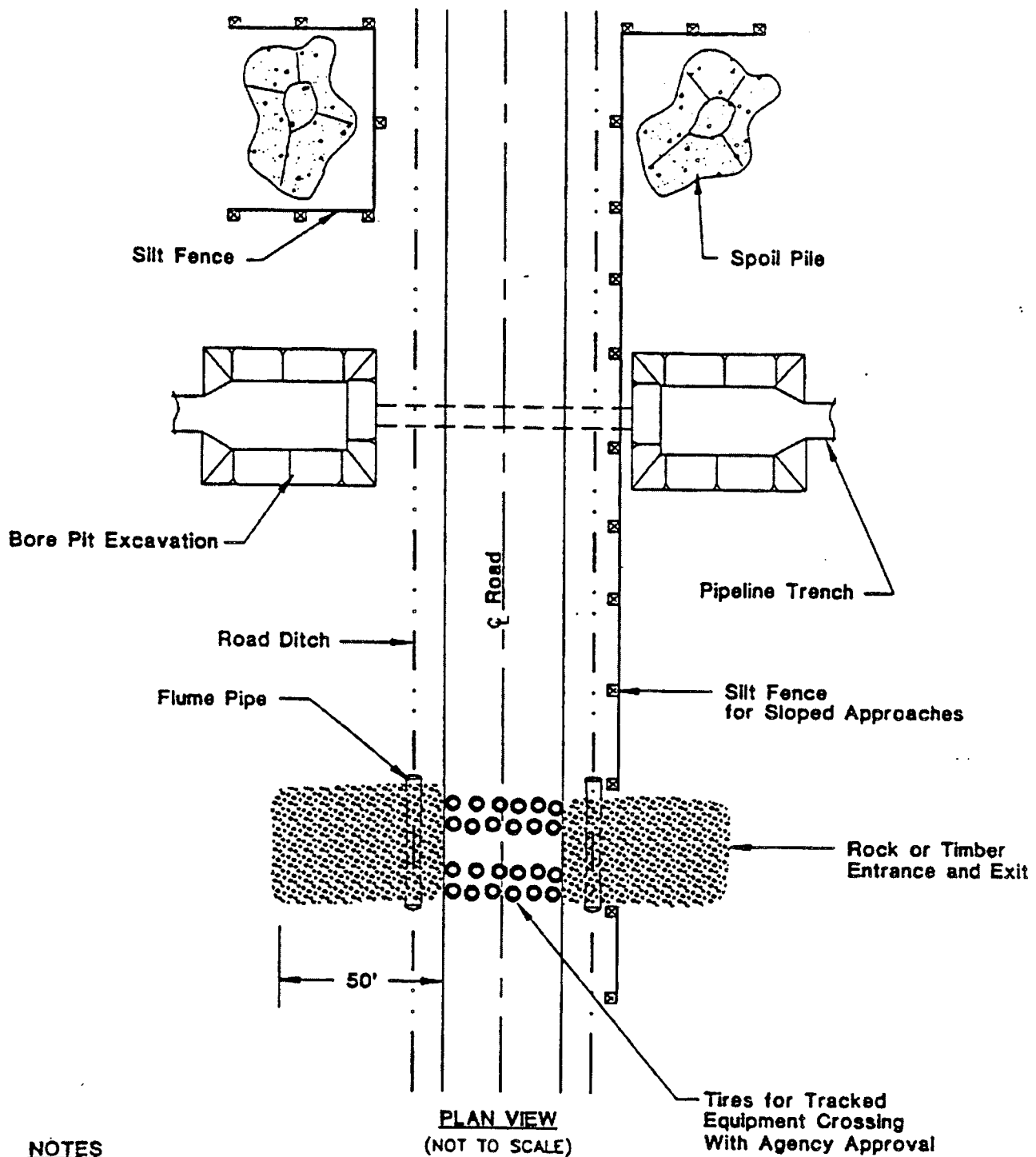
## FRONT ELEVATION



## SIDE ELEVATION



## TOP VIEW



**NOTES**

1. Procedures shown in this drawing apply to paved and gravel roads and some driveways.
2. Rock pad shall consist of 3"-6" rock.
3. Roads must be cleaned after equipment crosses and dirt placed in spoil containment areas.
4. Geotextile fabric shall be placed under rock pad in agricultural areas.
5. Additional information included on other drawings or in state permits.



**Dominion**<sup>SM</sup>

Dominion Transmission, Inc.

Typical Road Crossing  
Sediment Control

Scale Not to scale

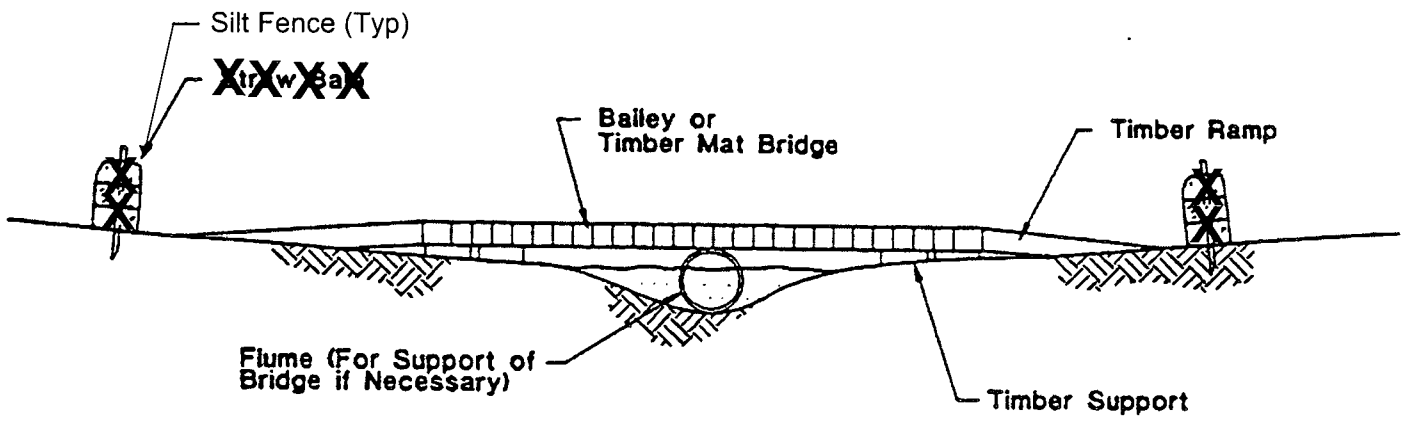
Created By T. Carter

Date 09/15/08

File Name Drawing ESCP-014

**DRAWING**

**ESCP  
014**



**PROFILE VIEW**  
(NOT TO SCALE)

**NOTES**

1. Remove dirt from bridge deck and place in spoil containment area.
2. ~~Straw bales~~ may be required across bridge entrance every nite.
3. Additional information included on other drawings.

*Revised March 10, 2010*



**Dominion**<sup>SM</sup>

Dominion Transmission, Inc.

Bailey or Timber Mat Bridge

Scale Not to scale

Created By T. Carter

Date 09/15/08

File Name Drawing ESCP-015

**DRAWING**

**ESCP  
015**

ATTACHMENT 3  
REVIEW FEE CALCULATION



**Cost Estimate for TL-283 Replacement Work in Doddridge County Floodplain**

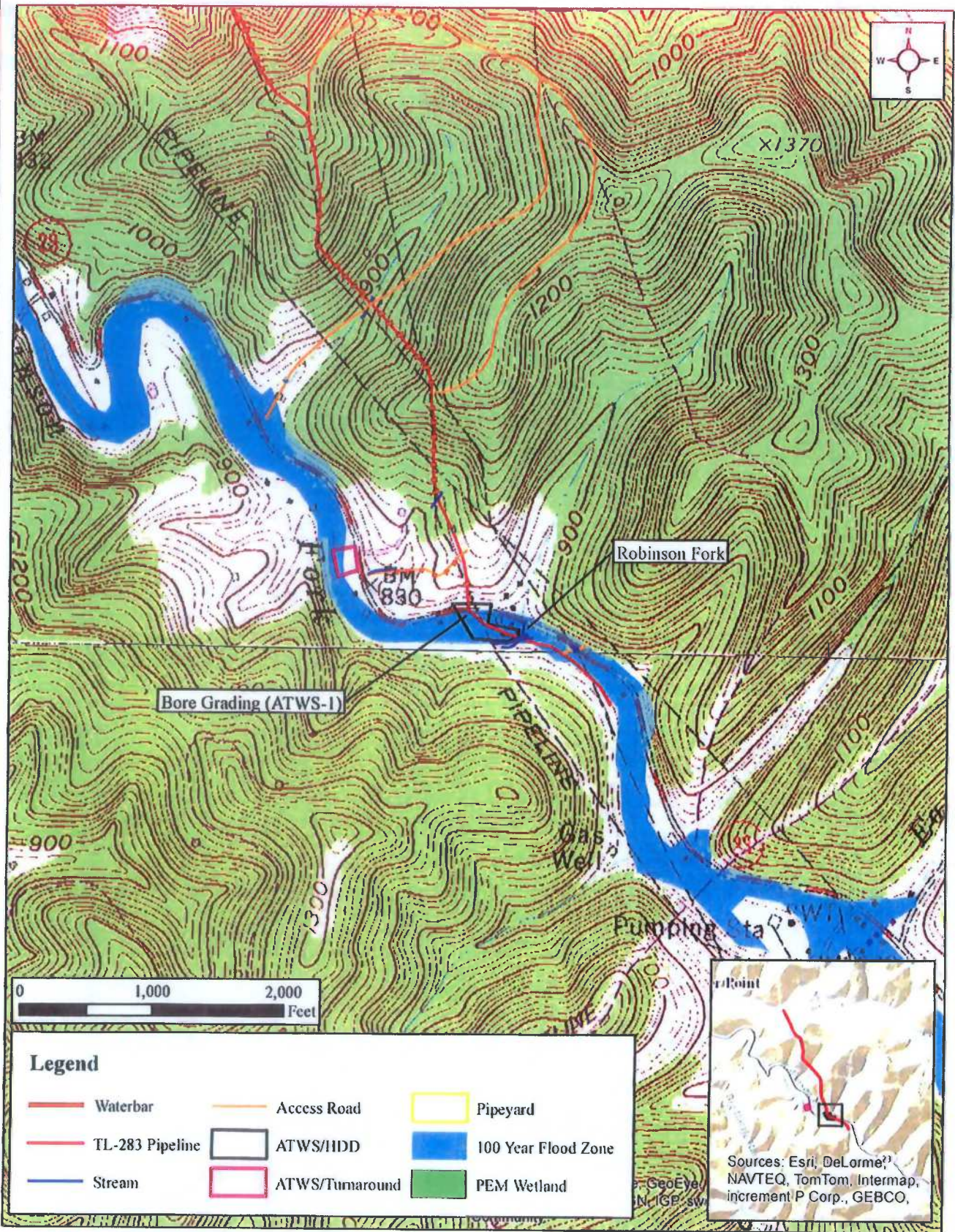
Contract cost to excavate and replace 1200 feet of 16" pipe	\$ 148,000
Material Costs (1200' of 16" Pipe and Coating)	\$ 61,200
Environmental Items such as Silt Fence	\$ 9,000
<b>Total Costs of replacement in floodplain area</b>	<b>\$218,200</b>

The permit fee based upon Jobs over \$100,000 is as follows:

$$\text{\$1,000} + \left( \frac{\text{\$218,200} - \text{\$100,000}}{1,000} \right) \times \text{\$5} = \underline{\text{\$1,591.00}}$$

Payable to the Doddridge County Commission

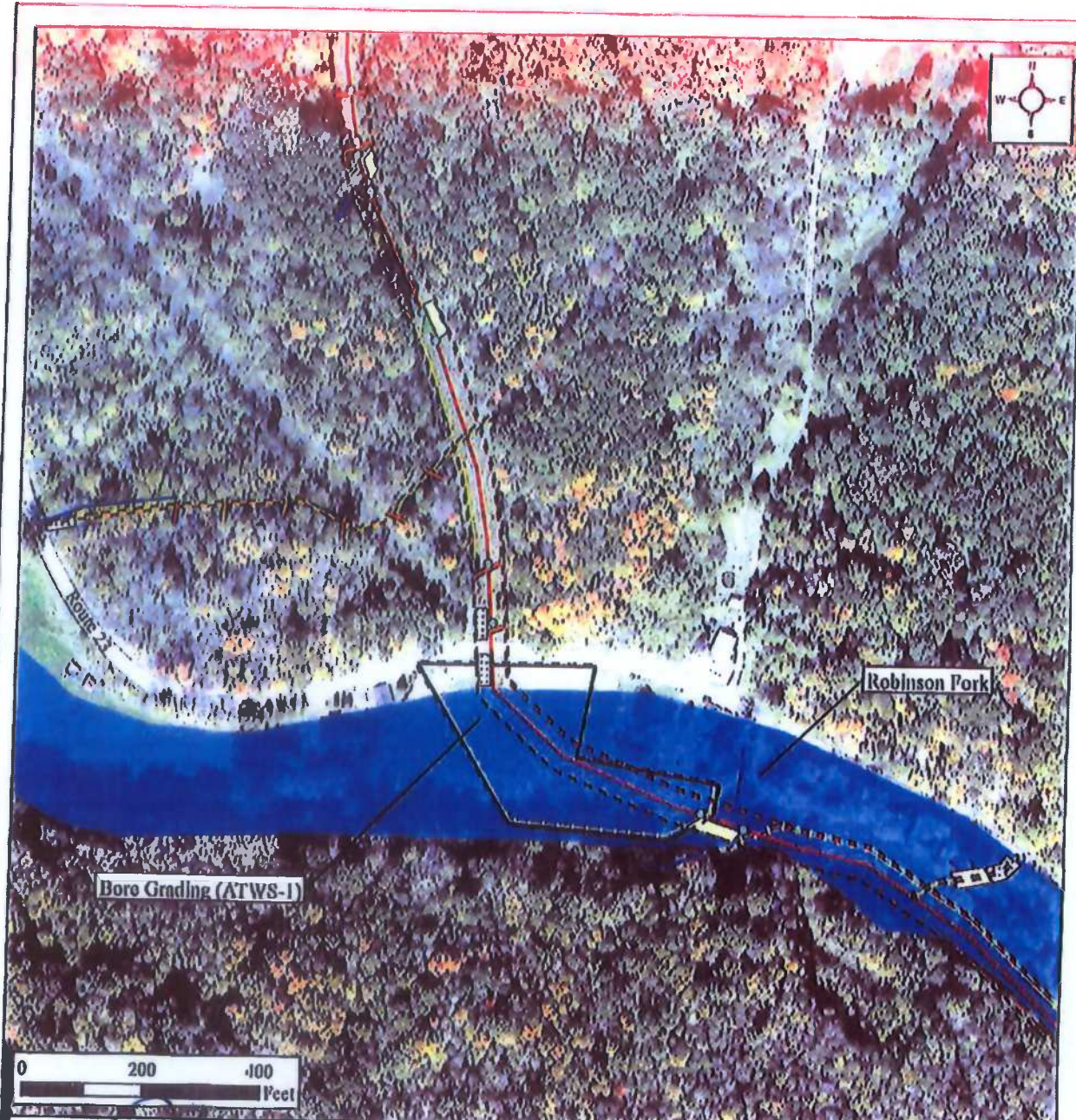
**ATTACHMENT 1**  
**MAPS**



**Figure 1**

Dominion Transmission, Inc.  
 2013 TL-283 Pipeline Replacement Project  
 Doddridge County, West Virginia

USGS 7.5' Topographic Map with FEMA Overlay  
 Folsom and Salem, West Virginia, Quadrangles  
 Environment & Archaeology, LLC



**Legend**

*John* 07-29-13

- Trench Plug
- Silt Fence
- Waterbar
- TL-283 Pipeline
- Stream
- Access Road
- ATWS/HDD
- ATWS/Tunnelround
- Pipeyard
- Existing Right-of-Way
- Limits of Disturbance
- 100 Year Flood Zone
- Timber Mat
- PBM Wetland
- Rock Construction Entrance



Figure 2

Dominion Transmission, Inc.  
2013 TL-283 Pipeline Replacement Project  
Doddridge County, West Virginia

Aerial Map with FEMA Overlay  
Folsom and Salem, West Virginia, Quadrangles  
Environment & Archaeology, LLC

**ATTACHMENT 2**  
**EXCERPT FROM STORMWATER POLLUTION PREVENTION PLAN**

## 3.02 - STABILIZED CONSTRUCTION ENTRANCE

---

**Introduction** Large quantities of mud can be tracked onto public and private roads causing dangerous driving conditions and muddy runoff when it rains. Construction entrances are stabilized to reduce the amount of sediment transported onto paved roads by vehicles or equipment by constructing a stabilized pad of stone at entrances to construction sites.

**Conditions Where Practice Applies** Stabilized Construction Entrances shall be installed wherever construction traffic enters and leaves a site.

- Design Criteria**
1. Use 2-4 inch stone for low volume entrances, larger stone (4-6 inch) for heavy use or material delivery entrances.
  2. Length is as required, but not less than 70 feet (except on a single residence lot where a 30 foot minimum length would apply).
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  5. Geotextile fabric shall be placed over the entire area prior to the placing of stone.
  6. All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If a culvert is impractical, a mountable berm with 5:1 slopes shall be used.
  7. If necessary, divert any water running down access road to a sediment trap located on either side of the Stabilized Construction Entrance.

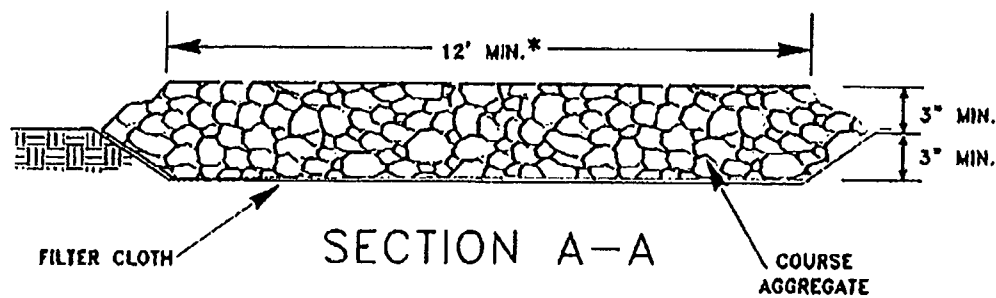
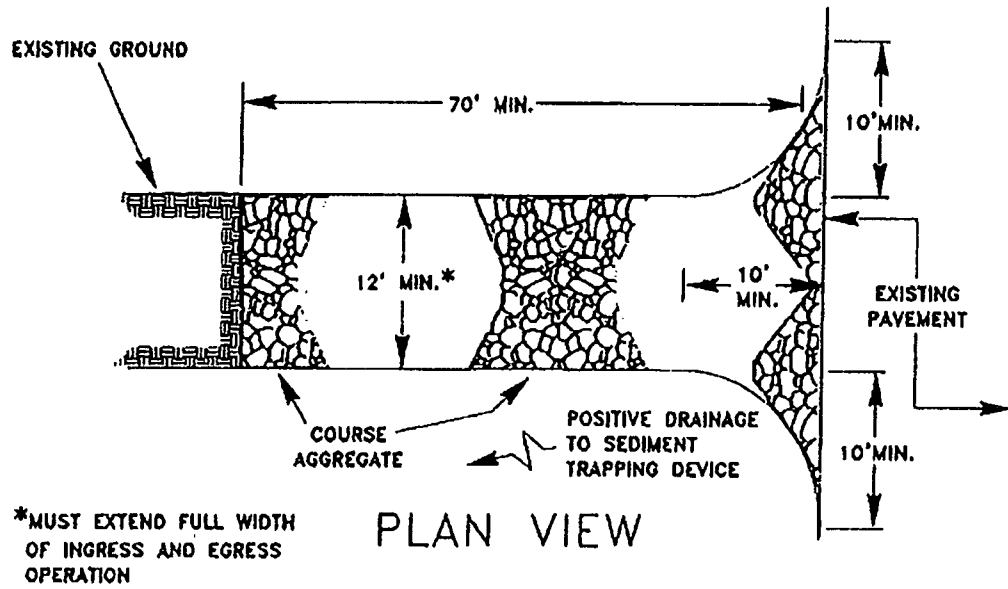
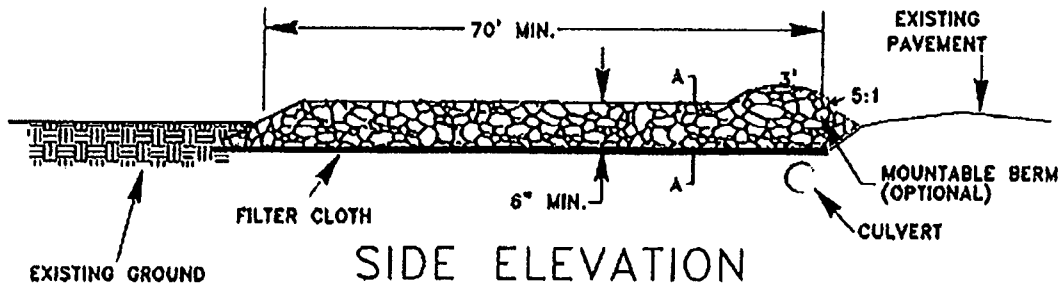
**Maintenance** The entrance shall be maintained in a condition that will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

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Inspection and needed maintenance should be provided daily but at a minimum every seven days and after every rain of 0.5 inch or greater.

FIGURE 3.02.1

# STONE CONSTRUCTION ENTRANCE



SOURCE: ADAPTED from 1985 Maryland Standards for Soil Erosion and Sediment Control and Va. DSWC

# **3.03 - TEMPORARY CONSTRUCTION ROAD, WORK AND PARKING AREA STABILIZATION**

---

## ***Introduction***

The temporary stabilization of access roads, haul roads, parking areas, laydown, material storage and other onsite vehicle transportation routes with stone immediately after grading. This practice is used to reduce the erosion and subsequent regrading of temporary and permanent roadbeds, work areas and parking areas rutted by construction traffic during wet weather. Provides easier access in all weather and reduces tracking mud onto public roads.

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1. Temporary roads shall follow the contour of the natural terrain to the extent possible. Slopes should not exceed 15 percent.
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5. Drainage ditches and culverts shall be provided as needed.
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7. A 6-inch course of crushed aggregate shall be applied immediately after grading. Geotextile fabric should be applied to the roadbed for additional stability. In heavy duty traffic situations, stone should be placed at an 8 to 10 inch depth to avoid excessive maintenance.
8. Stabilize disturbed areas not covered with stone immediately after installation with appropriate temporary or permanent vegetation according to the applicable standards and specifications contained in this manual.
9. Also see, access road section, for water control practices.

## ***Maintenance***

Inspect and perform needed maintenance at a minimum once every seven



calendar days and within 24 hours after any storm event greater than 0.5 inches of rain per 24 hour period.

Both temporary and permanent roads, laydown and work areas and parking areas may require periodic top dressing with new gravel.

Seeded areas adjacent to the roads and parking areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained.

Roadside ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.

## **3.27 - SILT FENCE**

---

### ***Introduction***

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No sediment control device is misused more than silt fence (with the possible exception of hay bales). Much of the silt fence used in West Virginia is not installed properly. The device does not work if:

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3. installed in areas of concentrated flows.
4. installed to contain sediment from too large of an area.
5. little or no maintenance is performed on it.

Silt fence does not actually filter sediment from muddy water. In field conditions silt fence acts as a barrier to the flow of water, like a dam, reducing the energy of the water, which causes the suspended material to settle out. It is because of the low permeability of the fabric that silt fence is limited to small drainage areas

Installing silt fence is very labor intensive. It is usually installed by hand and accumulated sediment must be removed and disposed of by hand. In many scenarios, installing a diversion and sediment trap would be more effective and less expensive than using silt fence. In addition, the NPDES permit requires that a sediment trap or basin be installed whenever possible.

### ***Conditions Where Practice Applies***

1. Below disturbed areas where erosion would occur in the form of sheet and small rill erosion.
2. Where the size of the drainage area is no more than one-quarter acre per 100 feet of silt fence length; the maximum gradient above the barrier should be less than 2:1.
3. Silt fence will not be used in areas where rock or some other hard surface prevents the full and uniform anchoring of the barrier.
4. Silt fence should NEVER be installed in streams or swales or in any area where there is a reasonable chance of concentrated flow. In areas where concentrated flows can be expected, use diversions and sediment traps and /or sediment basins. In ditches or swales rock check dams should be used in place of silt fence.

### ***Design Criteria***

1. No formal design is required. An effort should be made to locate silt fence at least 5 feet to 10 feet beyond the toe of slope.

2. Silt fence should be limited to situations in which only sheet is expected.
3. Silt fence should be installed prior to major soil disturbance.
4. Silt fence should be placed across the bottom of a slope along a line of uniform elevation (ALWAYS perpendicular to the direction of flow).
5. Any time a section of silt fence is knocked down by concentrated flows the silt fence will be replaced with a diversion and sediment trap or super silt fence.

***Construction  
Specifications***

***Materials***

1. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the requirements noted in WV DOT DOH Specifications or the GEOTEXTILE section.
2. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months expected usable construction life at a temperature range of 0 to 120 degrees Fahrenheit.
3. If wooden stakes are utilized for silt fence construction, they must be a minimum of 2" x 2" when oak is used and 2" x 4" when pine is used. Wooden stakes should have a minimum length of 5 feet.
4. If steel posts (standard "U" or "T" section) are utilized for silt fence construction, they must have a minimum weight of 1.33 pounds per linear foot and should have a minimum length of 5 feet.

***Installation***

1. The height of a silt fence shall be a minimum of 16 inches above the original ground surface and shall not exceed 34 inches above ground elevation.
2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are unavoidable, the silt fence shall be spliced together only at a support post, by twisting the last post of each run around the other, and securely sealed. (see drawing)
3. A trench shall be excavated approximately 4 inches wide and 4 inches deep on the upslope side of the proposed location of the measure.
4. The filter fabric shall be fastened securely to the upslope side of the posts using one inch long (minimum) heavy-duty wire staples or tie wires and eight inches of the fabric shall be extended into the trench. The fabric shall not be stapled to existing trees. The most common type of silt fence has the stakes attached to the fabric at the factory.
5. The 4-inch by 4-inch trench shall be backfilled and the soil compacted over the filter fabric.

6. Silt fence shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.
7. Turn the end of a run of Silt Fence slightly uphill to prevent runoff from going around the end.

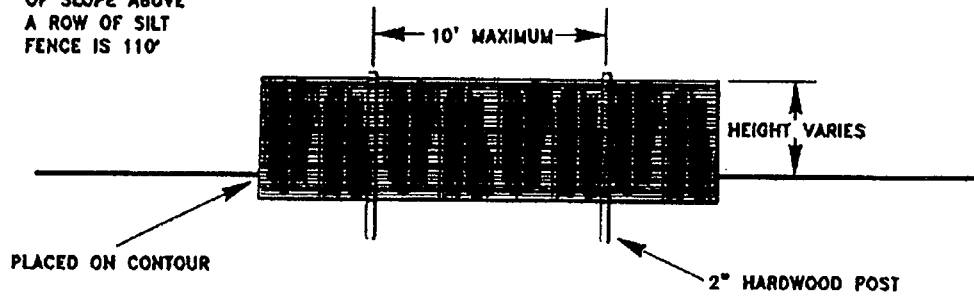
**Maintenance**

1. Silt fences shall be inspected immediately after each rainfall of 0.5 inch or greater and at least daily during prolonged rainfall or once a week. Any required repairs or maintenance shall be made immediately.
2. Close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting. If the fence is not installed on the contour (perpendicular to the flow of the water) both of these conditions can occur.
3. Should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier still is necessary, the fabric shall be replaced promptly.
4. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
5. If any section of silt fence is knocked down during a rain event (because it was installed in an area of concentrated flow) then other measures such as a sediment trap and diversion or super silt fence must be installed.

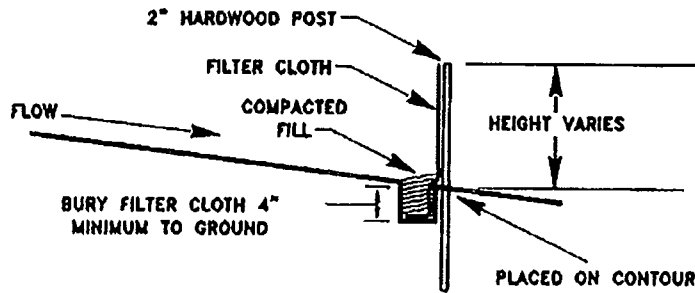
FIGURE 3.27.2

# SILT FENCE

NOTE:  
THE MAXIMUM LENGTH  
OF SLOPE ABOVE  
A ROW OF SILT  
FENCE IS 110'



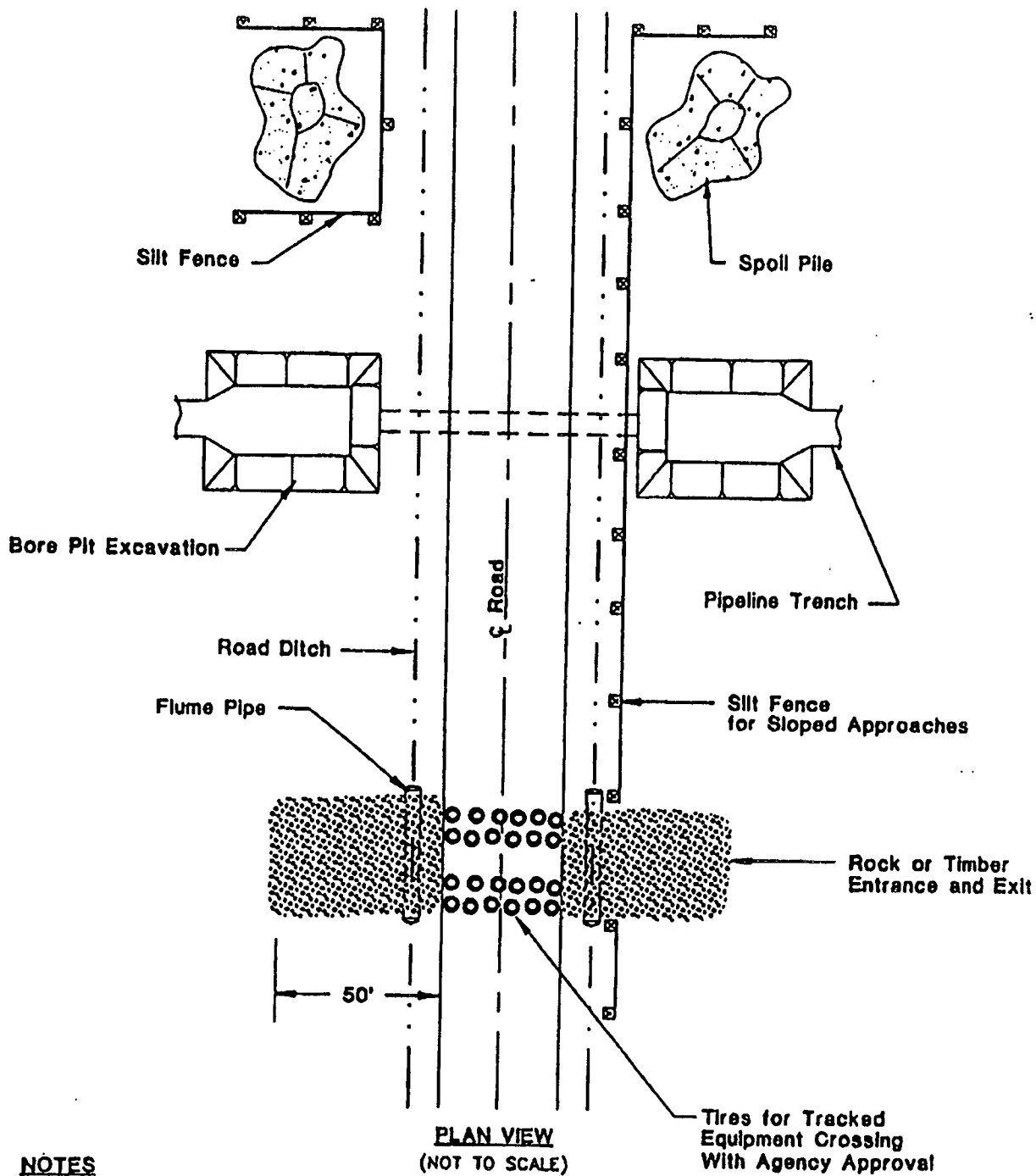
## FRONT ELEVATION



## SIDE ELEVATION



## TOP VIEW



**NOTES**

1. Procedures shown in this drawing apply to paved and gravel roads and some driveways.
2. Rock pad shall consist of 3'-6' rock.
3. Roads must be cleaned after equipment crosses and dirt placed in spoil containment areas.
4. Geotextile fabric shall be placed under rock pad in agricultural areas.
5. Additional information included on other drawings or in state permits.



**Dominion™**

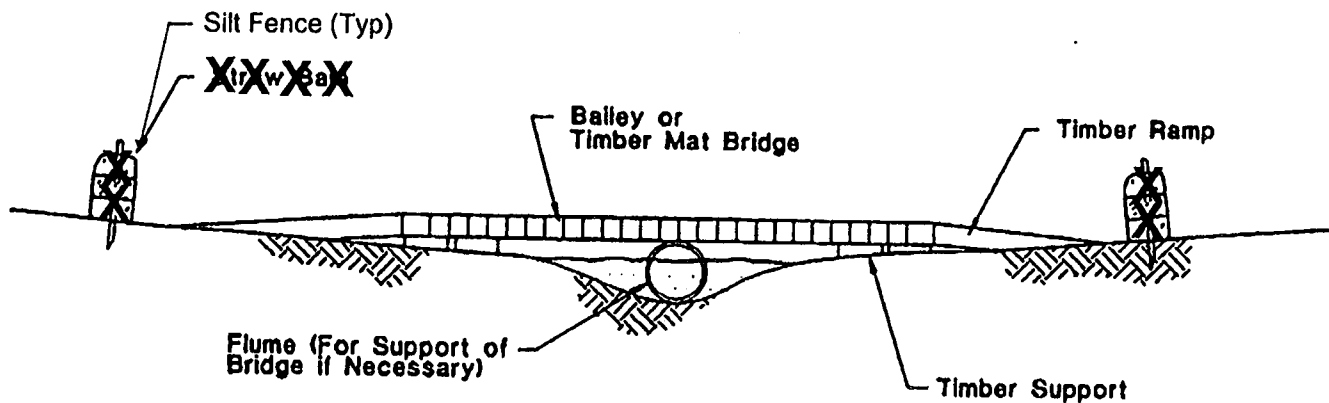
Dominion Transmission, Inc.

Typical Road Crossing  
Sediment Control

Scale	Not to scale
Created By	T. Carter
Date	09/15/08
File Name	Drawing ESCP-014

DRAWING

**ESCP  
014**



**PROFILE VIEW**  
(NOT TO SCALE)

**NOTES**

1. Remove dirt from bridge deck and place in spill containment area.
2. ~~Straw bales~~ may be required across bridge entrance every nite.
3. Additional information included on other drawings.

*Revised March 10, 2010*



**Dominion**<sup>SM</sup>

Dominion Transmission, Inc.

Bailey or Timber Mat Bridge

Scale Not to scale

Created By T. Carter

Date 09/15/08

File Name Drawing ESCP-015

**DRAWING**

**ESCP  
015**

**ATTACHMENT 3  
REVIEW FEE CALCULATION**



**Cost Estimate for TL-283 Replacement Work in Doddridge County Floodplain**

Contract cost to excavate and replace 1200 feet of 16" pipe	\$ 148,000
Material Costs (1200' of 16" Pipe and Coating)	\$ 61,200
Environmental Items such as Silt Fence	\$ 9,000
<b>Total Costs of replacement in floodplain area</b>	<b>\$218,200</b>

The permit fee based upon Jobs over \$100,000 is as follows:

$$\$1,000 + ((\$218,200 - \$100,000)/1,000) \times \$5 = \underline{\$1,591.00}$$

Payable to the Doddridge County Commission



Shawn A. Miller, PE

8-20-13

13-041

STATE OF WEST VIRGINIA,  
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE  
HERALD RECORD, a weekly newspaper  
published regularly, in Doddridge County,  
West Virginia, Do Hereby Certify Upon  
Oath That the Accompanying Legal Notice  
Entitled:

*Floodplain Permit*

LEGAL ADVERTISEMENT  
Doddridge County  
Floodplain Permit Application  
Please take notice that on the 31st day of July, 2013,  
DOMINION TRANSMISSION, INC. TL-283 PIPELINE  
REPLACEMENT PROJECT filed an application for a  
Floodplain Permit to develop land located at or about  
ALEXANDER MISH SURFACE OWNER, Tax map 19  
Parcel 51. 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 August  
20th, 2013.

Delivered to the  
Clerk of the County Court  
118 E. Court Street, West Union, WV 26456  
Beth A. Rogers, Doddridge County Clerk  
Dan Wellings, Doddridge County Flood Plain Manager

was published in said paper for *2*  
successive weeks beginning with the issue  
of *August 6* 2013 and  
ending with the issue of

*August 13* 2013 and  
that said notice contains *168*

WORD SPACE at *115* cents a word  
amounts to the sum of \$ *19.32*

FOR FIRST PUBLICATION, SECOND  
PUBLICATION IS 75% OF THE FIRST  
PUBLICATION

\$ *14.49*  
and each publication thereafter  
\$ *33.81* TOTAL

EDITOR  
*Nancy Nicholson*

SWORN TO AND SUBSCRIBED  
BEFORE ME THIS THE *15* DAY  
OF *August* 2013

NOTARY PUBLIC  
*Laura J Adams*

