

# Commercial/Industrial Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit has been issued to EQUITRANS, LP, and is for the approved commercial and/or industrial development project associated with this permit 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 #: 15-370**

**Date Approved: 8/10/2015**

**Expires: 8/10/2016**

**Issued to: EQUITRANS, LP**

**POC: BRINT GOETTEL  
(412)395-2082**

**Company Address: 625 LIBERTY AVE. SUITE 1700, PITTSBURG, PA.15222**

**Project Address: CR13/MAXWELLRIDGE RD., West Union, WV 26456**

**Firm: 54017C0225C**

**Lat/Long: 39.2582N/-80.7515W TO 39.2603N/-80.7517W**

**Purpose of development: REPAIR AND REPLACE LEAKING GAS LINE**

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

**Date: August 10, 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

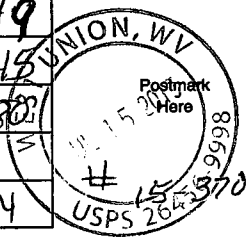
7014 0150 0001 7356 9645

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For delivery information visit our website at [www.usps.com](http://www.usps.com).

**OFFICIAL USE**

Postage	\$	.49
Certified Fee		3.45
Return Receipt Fee (Endorsement Required)		2.80
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>6.74</b>



Sent To  
 Justin Henderson #15-370  
 Street, Apt. No., or PO Box No. 190 Sapphire Ln  
 City, State, ZIP+4 Meadowbrook, WV 26404

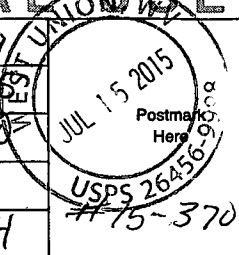
9696 9562 1000 0510

**U.S. Postal Service™**  
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<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>6.74</b>



Sent To  
 Charles Wellings #15-370  
 Street, Apt. No., or PO Box No. HC 68 Box 3  
 City, State, ZIP+4 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:

Justin Henderson #15-370  
 190 Sapphire Ln  
 Meadowbrook, WV 26404

2. Article Number

*(Transfer from service label)*

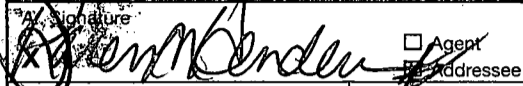
7014 0150 0001 7356 9645

PS Form 3811, February 2004

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature


 Agent AddresseeB. Received by (*Printed Name*)

C. Date of Delivery

7-16-15

- 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

102595-02-M-15

CHARLESTON  
UNITED STATES POSTAL SERVICE

WV 250

16 JUL '45

PM 11



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

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

Doddridge Co. Floodplain MGT  
118 E Court St. Room 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:

Charles Wellings #15-370  
 HC 68 Box 3  
 West Union, WV 26456

2. Article Number

*(Transfer from service label)***COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X Charles Wellings

 Agent AddresseeB. Received by *(Printed Name)*

Barbara Wellings

C. Date of Delivery

7-16-15

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:

 No

3. Service Type

 Certified Mail® Priority Mail Express™ Registered Return Receipt for Merchandise Insured Mail Collect on Delivery4. Restricted Delivery? *(Extra Fee)* Yes

7014 0150 0001 7356 9638

UNITED STATES POSTAL SERVICE  
CHARLESTON

WV 250

16 JUL '15

PM 3:1



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

• Sender. Please print your name, address, and ZIP+4® in this box •

Doddridge Co. Floodplain MGT  
118 E Court St. Room 102  
West Union, WV 26456

456129799



Keystone Consultants, Inc.  
Doddridge County

Equitrans PG84 Replacement

7/10/2015

15001

500.00

Cash in Bank - PNB

500.00

## Doddridge County, West Virginia

RECEIPT NO: 5143

DATE: 2015/07/21

FROM: KEYSTONE CONSULTANTS INC

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: #15-370 EQUITRANS REPAIR & REPLACE LEAKING  
GAS LINE

00000015001 FP-BUILDING PERMITS

020-318

TOTAL: \$500.00

MICHAEL HEADLEY

SHERIFF & TREASURER

MEC

CLERK

Customer Copy

FILED

2015 JUL 13 PM 2:03

32 East Main Street, Carnegie, PA 15106 | P: 412-278-2100 | F: 412-278-2126

CLERK OF COURT  
DODDRIDGE COUNTY  
WEST UNION, WV

July 10, 2015

Doddridge County Courthouse  
ATTN: Katy Slater  
118 East Court Street  
West Union, WV 26456

Re: PEG84 Replacement – Floodplain Permit Application  
West Union, Doddridge, West Virginia

To whom it may concern:

Keystone Consultants, Inc, on behalf of Equitrans, LP is submitting information to support the floodplain application permit in the vicinity of the PEG84 Replacement project located in West Union, Doddridge County, West Virginia. Keystone requests that this information be presented at the next commission meeting in order for floodplain permitting to be processed and approved following after the public review period.

**I. General Information**

- a. **Project Name:** PEG84 Replacement
- b. **Project Contact Person:**  
Alexander J. Bonazzoli  
32 E Main St, Carnegie, PA 15106  
(412) 278-2100  
[abonazzoli@keystoneconsultants.net](mailto:abonazzoli@keystoneconsultants.net)
- c. **Project Address:**  
County Route 13/Maxwell Ridge Road  
West Union, WV  
Approximately 1.7 miles south of intersection of WV-18 and Maxwell Ridge Road  
Coordinates (WVNAD83 – North)  
N39d 15' 68.00"  
W80d 45' 06.07"
- d. **Project Location:** See attached USGS Topographic Map
- e. **Project Description:** The proposed project consists of the replacement of approximately 1100 linear feet of 6 inch diameter steel PEG84 natural gas pipeline with the 6 inch diameter polyethylene (PE) pipe. Environmental impacts associated with the project will include the crossing of one stream that has been identified as Bluestone Creek. This resource will be crossed via an open cut method using a coffer dam and pump around at three separate locations. The proposed pipeline was routed in a manner to ensure that the stream crossing areas will minimize stream and resource impact to the greatest degree by



crossing areas where bank excavation will be minimal. During construction activities, silt fence will be installed along the stream and rolled erosion control blanket will be used to stabilize the stream banks and prevent sedimentation. Upon installation, the stream substrate and banks will be restored to original contours and existing conditions. An existing access road will be utilized for site access and will connect to a proposed temporary access road within the MOSA-S008 Right-Of-Way. The proposed access road will cross Bluestone Creek and an UNT to Bluestone Creek via timber mats. The total limit of disturbance of the proposed project will be 2.2 acres.

**The project takes place within a delineated FEMA floodplain, however, the pipeline replacement will not raise the floodplain elevation of the surrounding area. Because the floodplain elevation will not be affected, site activity is not anticipated to have any effect on the flood risk of surrounding parcels or property. Furthermore, the duration of disturbance will be minimal (<3 months) and construction activity will take place during summer months, when rainfall is expected to be minimal compared to other times of the year.**

Past and future land use on the site was forest land and existing ROW.

f. **Date of Construction:** August 2015 – September 2015

Should you have any questions or comments, please do not hesitate to contact me at 412-278-2100.

Sincerely,



Chad Alberth  
Engineer

# 15-370  
Equitrans -  
Repairing of Leaking  
Gas Lines

# 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 \_\_\_\_\_

*Brint Goettel*

DATE 06/29/2015

## SECTION 2: PROPOSED 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: Equitrans, L.P. - Brint Goettel

ADDRESS: 625 Liberty Ave, Suite 1700, Pittsburgh, PA 15222

TELEPHONE NUMBER: (412) 395 - 2082

CONTRACTOR NAME: KERMIT TYREE

— Leaking Line —  
Natural Gas

**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)
- 

**C. STANDARD SITE PLAN OR SKETCH**

- SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED (ENGINEERING PLANS MUST BE SIGNED AND SEALED).**
- IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**  
SKETCH ON A SEPARATE 8 ½ 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.
- SIGN AND DATE THE SKETCH.**

**ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT/  
PROPOSED CONSTRUCTION PROJECT WITHIN THE  
FLOODPLAIN \$ 89,967.60**

**ADDRESS:** 6662 Aarons Fork Road

**TELEPHONE #** 304-965-6197

**WV CONTRACTOR LICENCE #** WV027892

**ENGINEER'S NAME:** Joshua Carmichael A.J. Bongzoli

**ADDRESS:** 32 E Main St, Carnegie, PA 15106 412-278-2100 Ext 119

**TELEPHONE NUMBER:** (412) 278 - 2100 412-260-5602 -cell

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Mary H Holland

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** \_\_\_\_\_

225 Watchung Fork, Westfield, NJ 7090

**DISTRICT:** West Union

**LAND BOOK**

**DESCRIPTION:** N/A

**DEED BOOK REFERENCE:** N.A

**TAX MAP REFERENCE:** 08-23-2

**EXISTING BUILDINGS/USES OF PROPERTY:** N/A near project Area

**NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY** No residences on property

**ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY** N/A

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**

<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)
- 

**C. STANDARD SITE PLAN OR SKETCH**

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED (ENGINEERING PLANS MUST BE SIGNED AND SEALED).**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**  
SKETCH ON A SEPARATE 8 ½ 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/  
PROPOSED CONSTRUCTION PROJECT WITHIN THE  
FLOODPLAIN \$ 149,946.69**

**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:** Charles Wellings \_\_\_\_\_

**ADDRESS:** HC 68 Box 3  
West Union, WV 26456  
\_\_\_\_\_

**NAME:** Justin Henderson \_\_\_\_\_

**ADDRESS:** 190 Sapphire Ln  
Meadowbrook, WV 26404  
\_\_\_\_\_

**NAME:** \_\_\_\_\_

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

**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:** See Above \_\_\_\_\_

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

**NAME:** \_\_\_\_\_

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

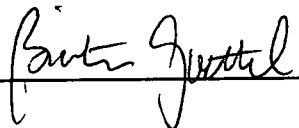
**E. CONFIRMATION FORM**

**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): Brint Goettel

SIGNATURE:  DATE: 6-29-15

After completing SECTION 2, APPLICANT should submit form and fees to Clerk of Doddridge County Court 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: \_\_\_\_\_  
Dated: \_\_\_\_\_

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 \_\_\_\_\_  
100-Year flood elevation is \_\_\_\_\_ NGVD .  
Stream name \_\_\_\_\_  
Profile # \_\_\_\_\_

Unavailable

The proposed development is located in a floodway.

See section 4 for additional instructions.

SIGNED \_\_\_\_\_

DATE \_\_\_\_\_

—  
**SECTION 4: ADDITIONAL INFORMATION REQUIRED FOR DEVELOPMENT IN  
SPECIAL FLOOD HAZARD AREA (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 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 proofing 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 10 lots or 2 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.  
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 Flood Hazard 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 appeal.

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).

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.
- 2 Actual (As Built) elevation of floodproofing is \_\_\_\_\_ FT. NGVD.

**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: \_\_\_\_\_ BY: \_\_\_\_\_

DEFICIENCIES ?      Y/N

COMMENTS \_\_\_\_\_

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

Certificate of Compliance issued:      DATE: \_\_\_\_\_

BY: \_\_\_\_\_

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

**PERMIT NUMBER:** \_\_\_\_\_

**PERMIT DATE:** \_\_\_\_\_

**PURPOSE –**

**CONSTRUCTION LOCATION:** \_\_\_\_\_

**OWNER'S ADDRESS:** \_\_\_\_\_

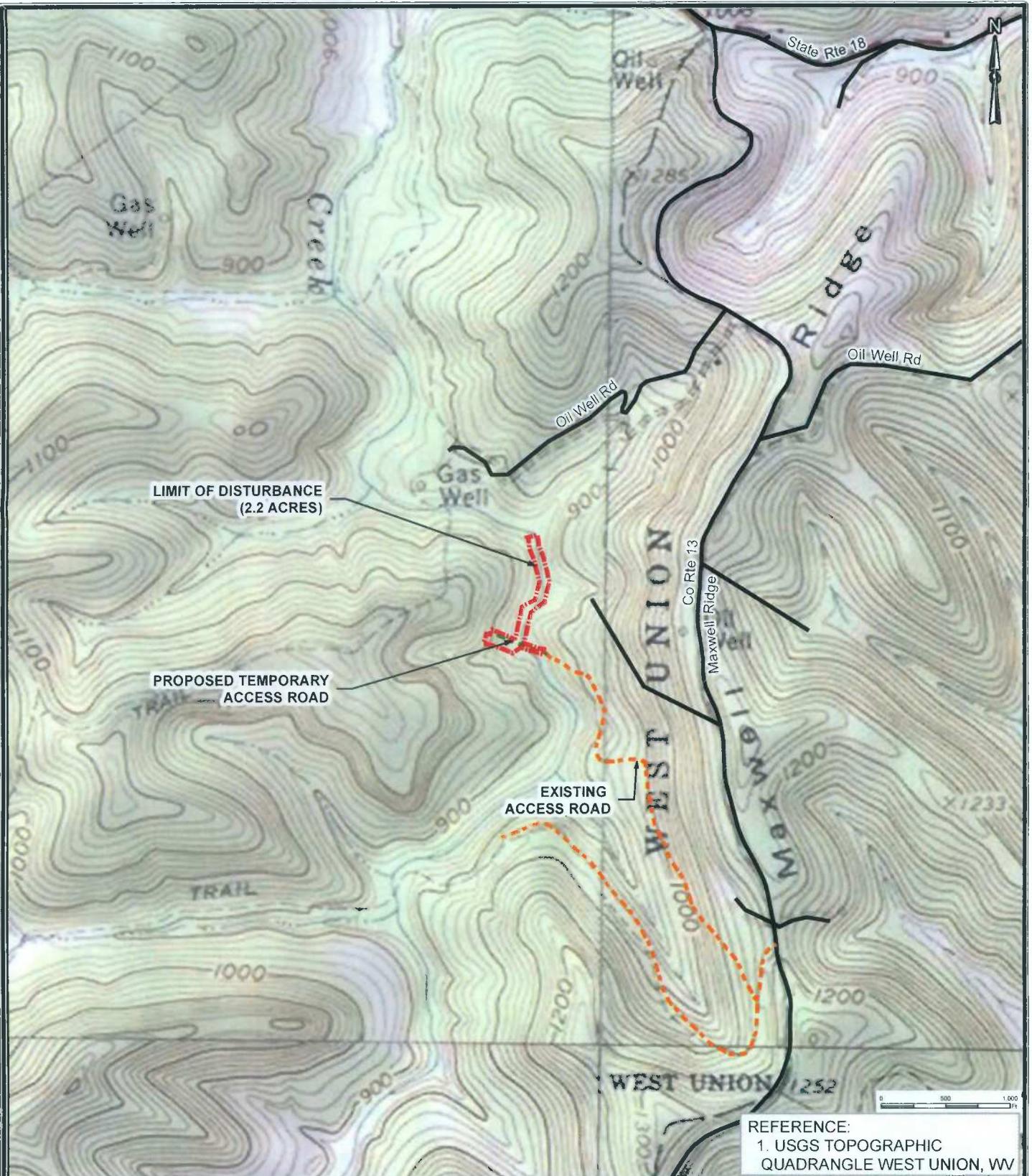
\_\_\_\_\_

\_\_\_\_\_

**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** \_\_\_\_\_



REFERENCE:  
1. USGS TOPOGRAPHIC QUADRANGLE WEST UNION, WV

**LEGEND**

- - - - Limit of Disturbance
- - - - Proposed Temporary Access Road
- - - - Existing Access Road
- Roads

Prepared By: **KEYSTONE CONSULTANTS, LLC**  
www.keystoneconsultants.net 412-278-2100

REV	DESCRIPTION	DATE

**EQUITRANS, L.P.**

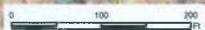
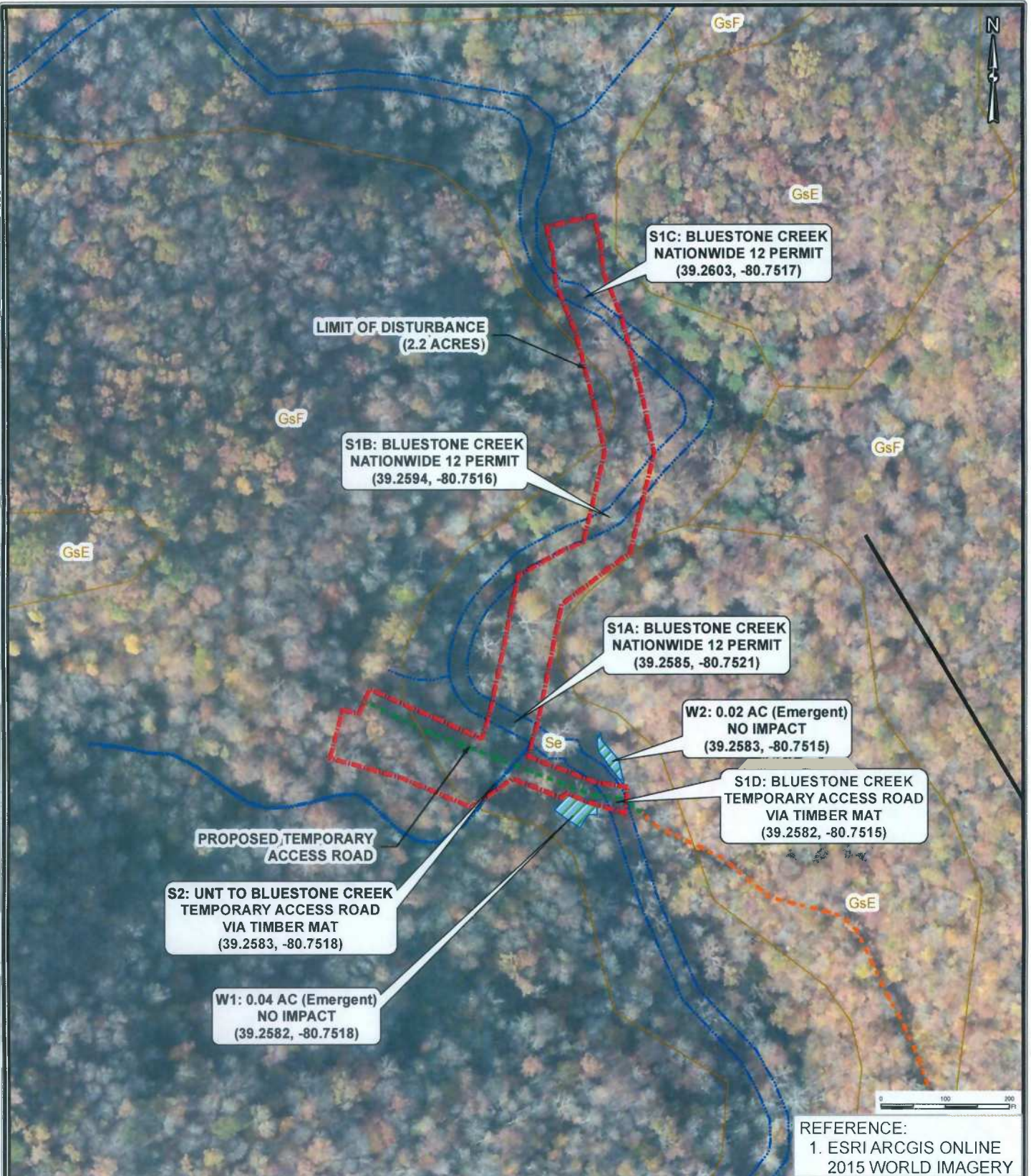
PEG84 Pipeline Replacement Site Location Topographic Map

West Union, Doddridge County, WV

DRAWING NUMBER: 001

DWN BY: MBBA    APR BY: AJB    DATE: 6/19/2015

SCALE: 1" = 1,000 feet    SHEET: 1 OF 8



REFERENCE:  
1. ESRI ARCGIS ONLINE  
2015 WORLD IMAGERY

**LEGEND**

- - - Proposed Temporary Access Road
- - - Limit of Disturbance
- - - Existing Access Road
- - - Streams
- Soil Units
- Wetlands
- Roads

Prepared By: **KEYSTONE CONSULTANTS, LLC**  
www.keystoneconsultants.net 412-278-2100

REV	DESCRIPTION	DATE

DWN BY: MBBA    APR BY: AJB    DATE: 6/19/2015

**EQUITRANS, L.P.**

PEG84 Pipeline Replacement  
USDA Soil Unit Map

West Union, Doddridge County, WV

DRAWING NUMBER: 002

SCALE: 1" = 200 feet    SHEET: 2 OF 8

# The Doddridge Independent

## The Doddridge Independent PUBLISHER'S CERTIFICATE

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

15-370 - Equitrans, L.P. - Replacing of Leaking Gas Lines  
filed an application for a Floodplain Permit to develop land  
located at or about:

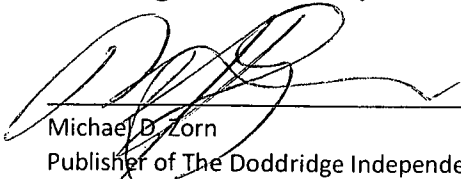
Permit Application # 15-370  
West Union District/Bluestone Creek  
39.2582N/-80.7515W to 39.2603N/-80.7517W

was published in The Doddridge Independent  
2 times commencing on Friday, July 24, 2015 and  
Ending on Friday, July 31, 2015 at the request of:

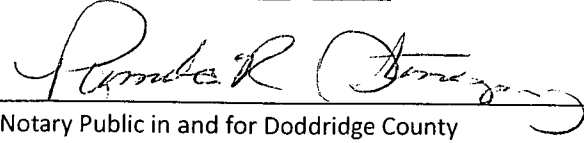
**George Eidel, Doddridge County Floodplain  
Manager**

Given under my hand this Monday, August 3, 2015

The publisher's fee for said publication is:  
**\$ 25.27 1st Run/\$ 18.95 Subsequent Runs**  
**This Legal Ad Total: \$ 44.22**

  
\_\_\_\_\_  
Michael D. Zorn  
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on  
this date: 8/3/15

  
\_\_\_\_\_  
Notary Public in and for Doddridge County

My Commission expires on  
The 17<sup>th</sup> day of May 2019

Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

7/24 - 7/31

Please take notice that on the 2nd day of July, 2015  
**15-370 - Equitrans, L.P. - Replacing of Leaking Gas Lines**  
filed an application for a Floodplain Permit to develop land located at or  
about:

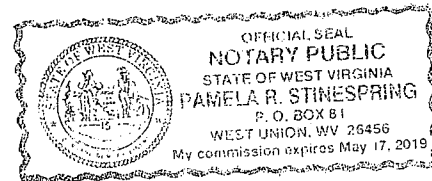
**Permit Application # 15-370**

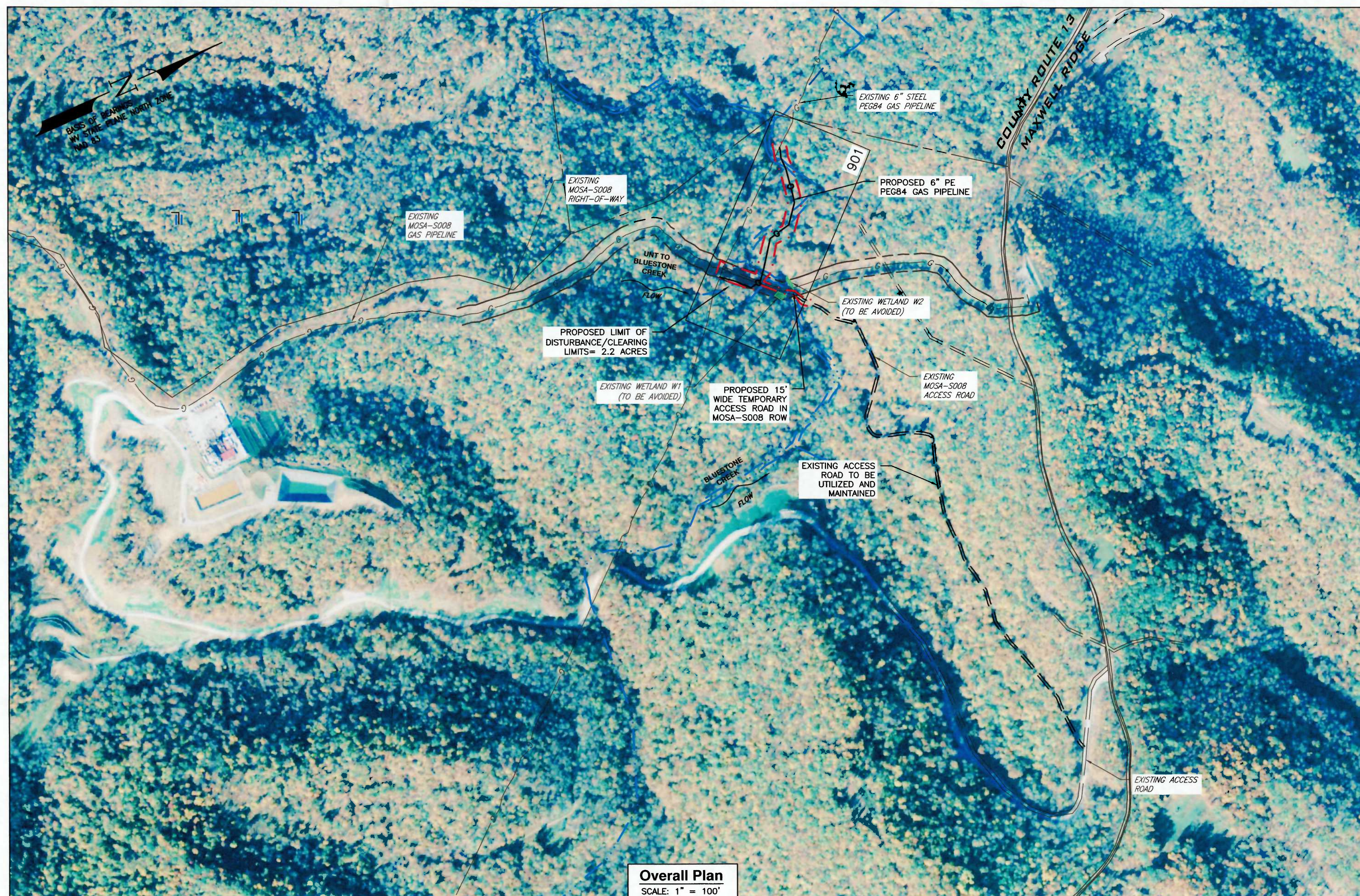
**West Union District/Bluestone Creek**

**39.2582N/-80.7515W to 39.2603N/-80.7517W**

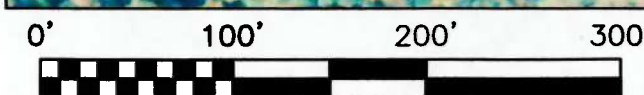
The Application is on file with the Clerk of the County Court and may  
be inspected or copied during regular business hours. As this project  
is outside the FEMA identified floodplain of Doddridge County,  
Doddridge County Floodplain Management has no regulatory  
authority. Any interested persons who desire to comment shall present  
the same in writing by August 10, 2015, delivered to:

Clerk of the County Court  
118 E. Court Street, West Union, WV 26456  
Beth A Rogers, Doddridge County Clerk  
George Eidel, Doddridge County Flood Plain Manager





Overall Plan  
SCALE: 1" = 100'



**CONSTRUCTION SEQUENCE - START DATE : AUGUST 2015 - END DATE: JULY 2015**

1. THE CONTRACTOR SHALL PLACE A ONE CALL NO LATER THAN TWO WORKING DAYS AND NO MORE THAN 10 WORKING DAYS PRIOR TO CONSTRUCTION.
2. PRIOR TO COMMENCEMENT OF ANY EARTH DISTURBANCE ACTIVITY INCLUDING CLEARING AND GRUBBING, THE REGISTRANT SHALL CLEARLY DELINEATE SENSITIVE AREA, LIMIT OF DISTURBANCE, AND TREES THAT ARE TO BE CONSERVED WITHIN THE PROJECT SITE, AND SHALL INSTALL APPROPRIATE BARRIERS WHERE EQUIPMENT MAY NOT BE PARKED, STAGED, OPERATED OR LOCATED FOR ANY PURPOSE. TREE CLEARING SHALL BE LIMITED TO THE EXTENT POSSIBLE.
3. UTILIZING EXISTING MOSA-5008 ACCESS ROAD FOR SITE ACCESS, INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS.
4. UTILIZING THE ROCK CONSTRUCTION ENTRANCE FOR SITE ACCESS, INSTALL PERIMETER SILT FENCE AS SHOWN ON THE PLANS.
5. INSTALL WOOD MATS FOR TEMPORARY EQUIPMENT CROSSING OF BLUESTONE CREEK AND UNT TO BLUESTONE CREEK AS SHOWN ON THE PLANS.
6. WITH PERIMETER E&S CONTROLS IMPLEMENTED, THE CONTRACTOR SHALL COMMENCE WITH PIPELINE INSTALLATION.
7. AS CONSTRUCTION APPROACHES CROSSINGS OF BLUESTONE CREEK, CONTRACTOR TO INSTALL STREAM CROSSING BMPs INCLUDING SILT FENCE, TRENCH BREAKERS ON EACH SIDE OF THE STREAM, AND COFFERDAM/PUMP AROUND OR FLUME CROSSING. UPON PIPELINE INSTALLATION, BANKS AND SUBSTRATE TO BE RETURNED TO ORIGINAL CONTOURS AND CONDITIONS AND ROLLED EROSION CONTROL BLANKET SHOULD BE INSTALLED TO FURTHER STABILIZED BANKS AND PREVENT EROSION.
8. AFTER PROJECT COMPLETION, DISTURBED AREAS SHALL BE RESTORED TO APPROXIMATE ORIGINAL CONTOURS AND PERMANENTLY SEEDED AND MULCHED IN ACCORDANCE WITH WDEP STANDARDS.
9. UPON ESTABLISHMENT OF UNIFORM 70% VEGETATIVE COVER, THE CONTRACTOR SHALL REMOVE TEMPORARY E&S BMPs INCLUDING SILT FENCE, TEMPORARY WATERBARS AND TEMPORARY ACCESS ROAD AND EQUIPMENT CROSSINGS.

**CONSTRUCTION SEQUENCE FOR STREAM CROSSINGS**

1. SEDIMENT BARRIERS SHOULD BE INSTALLED PRIOR TO INSTREAM EXCAVATION TO PREVENT SEDIMENT RELEASE INTO SURFACE WATERS. WHEREVER POSSIBLE, WORK SHOULD BE SCHEDULED FOR LOW FLOW CONDITIONS. DURATION OF THE DISTURBANCE SHOULD BE LIMITED TO THE TIME NECESSARY TO COMPLETE THE OPEN CUT CROSSING. DEPENDING ON FIELD CONDITIONS ENCOUNTERED ON SITE, THE CONTRACTOR SHALL INSTALL EITHER A PIPE FLUME OR A COFFERDAM AND PUMP BYPASS. ITEMS 2-3 OUTLINE THE CONSTRUCTION SEQUENCE FOR A FLUME PIPE INSTALLATION. ITEMS 4-6 OUTLINE THE CONSTRUCTION SEQUENCE FOR A COFFERDAM AND PUMP BYPASS. A SINGLE-SPAN WOOD MAT/BRIDGE, OR CULVERT SHALL BE INSTALLED AT LOCATIONS WHERE TEMPORARY EQUIPMENT CROSSING IS NECESSARY.
2. IF A PIPE FLUME IS THE METHOD CHOSEN, THE CONTRACTOR SHALL INSTALL A TEMPORARY DAM COMPOSED OF SANDBAGS, JERSEY BARRIERS, OR OTHER NON-EROSIVE MATERIAL. NO EARTH FILL SHALL BE PLACED WITHIN THE CHANNEL.
3. A RIGID OR FLEXIBLE PIPE FLUME SHALL BE INSTALLED INLINE WITH THE EXISTING CHANNEL TO CONVEY FLOW THROUGH THE SITE. A ROCK FILTER SHOULD BE PLACED AT THE DOWNSTREAM EDGE OF THE PIPE. IF A CULVERT IS USED FOR ROAD CROSSING, A SINGLE SPAN PIPE MAY BE UTILIZED FOR THE ROAD AND UTILITY LINE CROSSING, WHERE FEASIBLE.
4. IF A COFFERDAM AND PUMP BYPASS IS THE METHOD CHOSEN, THE CONTRACTOR SHALL INSTALL A TEMPORARY DAM COMPOSED OF SAND BAGS, JERSEY BARRIERS, OR OTHER NON-EROSIVE MATERIAL. NO EARTH FILL SHALL BE PLACED WITHIN THE CHANNEL. THERE SHOULD NOT BE A SUMP EXCAVATED FOR THE PUMP INTAKE.
5. UPON INSTALLATION OF THE TEMPORARY DAM, THE CONTRACTOR SHALL INSTALL THE PUMP AND INTAKE. THE OUTFLOW END OF THE PUMP BYPASS SHOULD DISCHARGE TO A DEWATERING FILTER BAG. THE FILTER BAG SHALL BE LOCATED IN A WELL-VEGETATED AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS.

**CONSTRUCTION SEQUENCE FOR STREAM CROSSING (CONTINUED)**

6. WITH THE E&S BMPs, AND THE PUMP BYPASS OR FLUME PIPE INSTALLED, TRENCH PLUGS SHALL BE INSTALLED AT STREAM BANK, WITHIN TRENCH, ON BOTH SIDES OF STREAM CHANNEL. IN-CHANNEL EXCAVATION SHOULD BE PERFORMED FROM THE TOP OF BANK WHEREVER POSSIBLE. UPON CROSSING COMPLETION THE ROAD CROSSING WILL BE REMOVED AND CHANNEL ENTRANCES RESTORED TO PRE-CONSTRUCTION CONFIGURATIONS. THE CONTRACTOR SHALL THEN COMMENCE UTILITY LINE INSTALLATION ACROSS THE STREAM. UPON COMPLETION, THE DAM AND PUMP BYPASS OR PIPE FLUME SHALL BE REMOVED, EROSION CONTROL BLANKET SHALL BE INSTALLED AND DISTURBED AREAS ASSOCIATED WITH THE CROSSING SHALL BE PERMANENTLY SEEDED AND MULCHED. UPON UNIFORM 80% VEGETATIVE COVER, TEMPORARY E&S BMPs SHALL BE REMOVED.

**SITE RESTORATION:**

SITE RESTORATION SHALL COMMENCE PROMPTLY AFTER COMPLETION OF PIPELINE INSTALLATION. FOR SITE RESTORATION, THE ENTIRE SITE SHALL BE SEEDED AND FERTILIZED IN ACCORDANCE WITH WDEP REQUIREMENTS, AS SHOWN ON SHEET 902, AND ALSO IN THE WDEP EROSION AND SEDIMENTATION CONTROL MANUAL. AREAS DISTURBED DURING CONSTRUCTION SHOULD BE RESTORED TO A "MEADOW IN GOOD CONDITION," AND WDEP PRESCRIBED SOIL AMENDMENTS (SEE 902) SHOULD BE UTILIZED. UPON THE SITE REACHING 70% VEGETATIVE STABILIZATION, ALL TEMPORARY CONTROLS SHALL BE REMOVED AND THE GRADES SHALL BE RETURNED TO THEIR APPROXIMATE ORIGINAL CONDITION.

**NOTES:**

1. THIS PLAN IS FOR EROSION AND SEDIMENTATION CONTROL & SITE RESTORATION PURPOSES ONLY.
2. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
4. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO BEGINNING WORK.
6. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
7. ANY DISTURBED AREA THAT IS TO REMAIN IDLE FOR MORE THAN 4 DAYS IS TO BE TEMPORARILY SEEDED AND MULCHED.
8. REFER TO THE STANDARD DETAILS FOR INSTALLATION AND MAINTENANCE GUIDELINES FOR PROPOSED BMPs.
9. A SUMMARY OF ALL ENVIRONMENTAL PERMITS SECURED FOR THE PROJECT IS SHOWN ON DETAILS. NO WETLAND OR STREAM CROSSING OTHER THAN THOSE PERMITTED IS AUTHORIZED WITHOUT PRIOR CONSULTATION WITH REVIEWING AGENCIES. LIMITS OF IMPACT TO WETLANDS AND WATERBODIES ARE SHOWN ON THE PLANS.

**MINIMUM STANDARDS FOR INSTREAM ACTIVITY:**

1. ALL APPROPRIATE PERMITS SHOULD BE OBTAINED PRIOR TO BEGINNING INSTREAM CONSTRUCTION ACTIVITIES.
2. WORK AREA SHALL BE ISOLATED FROM STREAM AREAS VIA PUMP-AROUND OR FLUME CROSSING.
3. STREAM CROSSINGS TO BE COMPLETED AT TIMES OF LOW FLOW, WHEN POSSIBLE.
4. STREAMBANKS TO BE STABILIZED WITH EROSION CONTROL BLANKET AND REVEGETATED IMMEDIATELY UPON CROSSING COMPLETION.
5. AREAS OF HIGH FLOW VELOCITY OR IN HIGHLY ERODIBLE SOILS SHOULD BE STABILIZED WITH STRUCTURAL METHODS (RIPRAP, GEOTEXTILE, REVETMENTS).
6. INLET AND OUTLET PROTECTION IS REQUIRED FOR ALL CULVERTS.
7. INSTREAM HAS BEEN LIMITED TO THE EXTENT PRACTICABLE. UTILITIES SHOULD NOT BE INSTALLED ALONG A STREAM. CROSSING OF STREAMS IS ACCEPTABLE.
8. UTILITY LINES SHALL CROSS STREAM AT RIGHT ANGLES (+/- 15°)
9. EACH STREAM CROSSING SHOULD BE TREATED AS A SEPARATE PROJECT AND WORK SHALL PROGRESS UNTIL APPROACHES AND STREAM BANKS ARE COMPLETELY STABILIZED. STABILIZATION OF BANKS SHALL OCCUR WITHIN 24 HOURS OF COMPLETION OF BACKFILL.
10. STREAMSIDE VEGETATION SHOULD BE LEFT INTACT TO THE GREATEST EXTENT POSSIBLE. RIPARIAN BUFFERS SHOULD BE ENHANCED WHENEVER POSSIBLE.
11. SEQUENCE OF CONSTRUCTION EVENTS FOR INSTREAM ACTIVITY ARE INCLUDED ON THE PLAN DRAWINGS AND IN PLAN NARRATIVE.
12. EQUIPMENT CROSSINGS SHOULD BE CONSTRUCTED TO WDEP EROSION CONTROL MANUAL STANDARDS.
13. WHEN WORK IS PERFORMED WITHIN A FLOWING STREAM, PRECAUTIONS SHOULD BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT, AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. USE ONLY NON-ERODIBLE MATERIAL FOR THE CONSTRUCTION OF CAUSEWAYS, STREAM DIVERSION AND BERMS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR COFFERDAMS IF ARMORED BY NON-ERODIBLE COVER MATERIAL SUCH AS FILTER FABRIC AND APPROPRIATELY SIZED STONE.
14. ALL PUMPED WATER FROM WORK AREAS NEAR STREAMS MUST BE TREATED IN AN APPROVED SETTLING STRUCTURE LOCATED OUTSIDE THE WATERWAY BEFORE DISCHARGE, REFER TO STANDARD DEWATERING DETAILS.
15. GREEN CONCRETE IS TOXIC TO AQUATIC LIFE AND MUST NOT BE PLACED IN CONTACT WITH FLOWING WATER.
16. STREAMBED EXCAVATION SHOULD BE UNDERTAKEN FROM THE TOP OF STREAM BANKS WHEREVER POSSIBLE.
17. WHEN INSTREAM WORK IS REQUIRED, THE USE OF RUBBER TIED EQUIPMENT IS RECOMMENDED.
18. EXCAVATED MATERIALS TO BE REUSED FOR TRENCH BACKFILL SHOULD BE STOCKPILED OUTSIDE THE STREAM CHANNEL. SURROUND STORAGE AREA WITH SILT FENCE TO PREVENT SEDIMENT RELEASE TO STREAM. EXCESS MATERIAL SHOULD BE REMOVED TO AN APPROPRIATE SOIL DISPOSAL AREA LOCATED OUTSIDE OF THE FLOODPLAIN AND PROPERLY STABILIZED.
19. TEMPORARY ACCESS ROADS IN CLOSE PROXIMITY TO A STREAM SHOULD BE STABILIZED USING THE SAME REQUIREMENTS FOR A STABILIZED CONSTRUCTION ENTRANCE.
20. DO NOT USE STREAM AS A VEHICULAR RIGHT-OF-WAY. DO NOT USE THE STREAM TO DELIVER MATERIALS OR TO MOVE CONSTRUCTION EQUIPMENT FROM ONE SECTION TO ANOTHER.
21. SPILL CONTAINMENT KITS SHOULD BE READILY AVAILABLE ON SITE.

LEGEND	
	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING PAVED ROADWAY
	EXISTING UNPAVED DRIVEWAY
	EXISTING NATURAL GAS PIPELINE
	EXISTING SOIL TYPE
	EXISTING TREELINE
	EXISTING WETLAND
	EXISTING WATERBODY AND STREAM
	EXISTING FLOOD WAY
	PROPOSED NATURAL GAS PIPELINE
	PROPOSED UNPAVED ROAD
	PROPOSED TRENCH PLUG
	PROPOSED WATER BAR
	PROPOSED WATERBAR
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED AGGREGATE STOCKPILE
	PROPOSED WOOD MAT
	PROPOSED EROSION CONTROL BLANKET

**CLEAN FILL REQUIREMENTS:**

1. IF THE SITE WILL NEED TO HAVE FILL IMPORTED FROM AN OFF SITE LOCATION, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL IS THE RESPONSIBILITY OF THE OPERATOR AND THE CONTRACTOR. THE OPERATOR AND THE CONTRACTOR ARE TO ADHERE TO THE WDEP'S DEFINITIONS OF CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE. THE OPERATOR AND CONTRACTOR SHOULD ALERT THE ENGINEER OF THIS PROCESS AND THE FILL REQUIREMENTS.
2. IF THE SITE WILL HAVE EXCESS FILL THAT WILL NEED TO BE EXPORTED TO AN OFF SITE LOCATION, THE OPERATOR AND THE CONTRACTOR WILL PERFORM CLEAN FILL DETERMINATION AND ENVIRONMENTAL DUE DILIGENCE IN ACCORDANCE TO STATE AND LOCAL REGULATIONS.
3. IF ALL CUT AND FILL MATERIALS WILL BE USED ON THE SITE, A CLEAN FILL DETERMINATION IS NOT REQUIRED BY THE OPERATOR UNLESS THERE IS A BELIEF THAT A SPILL OR RELEASE OF REGULATED SUBSTANCE OCCURRED ON SITE.

**CONSTRUCTION WASTE RECYCLING/DISPOSAL:**

1. CONSTRUCTION WASTES ARE REFUSE MATERIALS GENERATED DURING THE COURSE OF CONSTRUCTION AND INCLUDE, BUT ARE NOT LIMITED TO, PAPER, PLASTIC, WOOD, FOOD, TEXTILE, AND METAL PRODUCTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING WASTE RECYCLING/DISPOSAL AREAS ON THE E&S PLAN ONCE THEY HAVE BEEN DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL WASTE RECYCLING/DISPOSAL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

PLAN PREPARER  
JOSHUA B. CARMICHAEL, PE  
KEYSTONE CONSULTANTS INC.  
32 EAST MAIN STREET  
CARNEGIE, PA 15106



**REFERENCE:**

1. EXISTING CONTOURS, ROADWAYS, AND AERIAL PHOTOGRAPHS ARE DERIVED FROM WEST VIRGINIA STATE GIS DATA CLEARINGHOUSE, DEVELOPED BY U.S. CENSUS BUREAU AND U.S. GEOLOGICAL SURVEY, DATED FEBRUARY 2006.
2. EXISTING STREAM AND WETLAND INFORMATION FIELD LOCATED BY KEYSTONE CONSULTANTS, INC. ON 5/6/15.
3. SOIL INFORMATION DOWNLOADED FROM U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE DATED : 2003.

WV ONE CALL SERIAL NUMBER:

**WEST VIRGINIA 811**  
CALL BEFORE YOU DIG!  
Dial 811 or 800.245.4848  
www.WV811.com

WEST VIRGINIA CODE CHAPTER 24C REQUIRES NO LESS THAN 2 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM EXCAVATORS WHO ARE ABOUT TO DIG, DRILL, BLAST, AUGER, BORE, GRADE, TRENCH, OR DEMOLISH WHEN IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF WEST VIRGINIA, CALL TOLL FREE 1-800-245-4848. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THE LOCATION MUST BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND UTILITIES MAY EXIST WHICH ARE NOT SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL PHYSICAL LOCATIONS OF UTILITY LINES PRIOR TO THE TIME OF CONSTRUCTION. IN NO WAY SHALL THE CONTRACTOR HOLD THE SURVEYOR RESPONSIBLE FOR ANY UTILITY LOCATION SHOWN ON THIS PLAN.

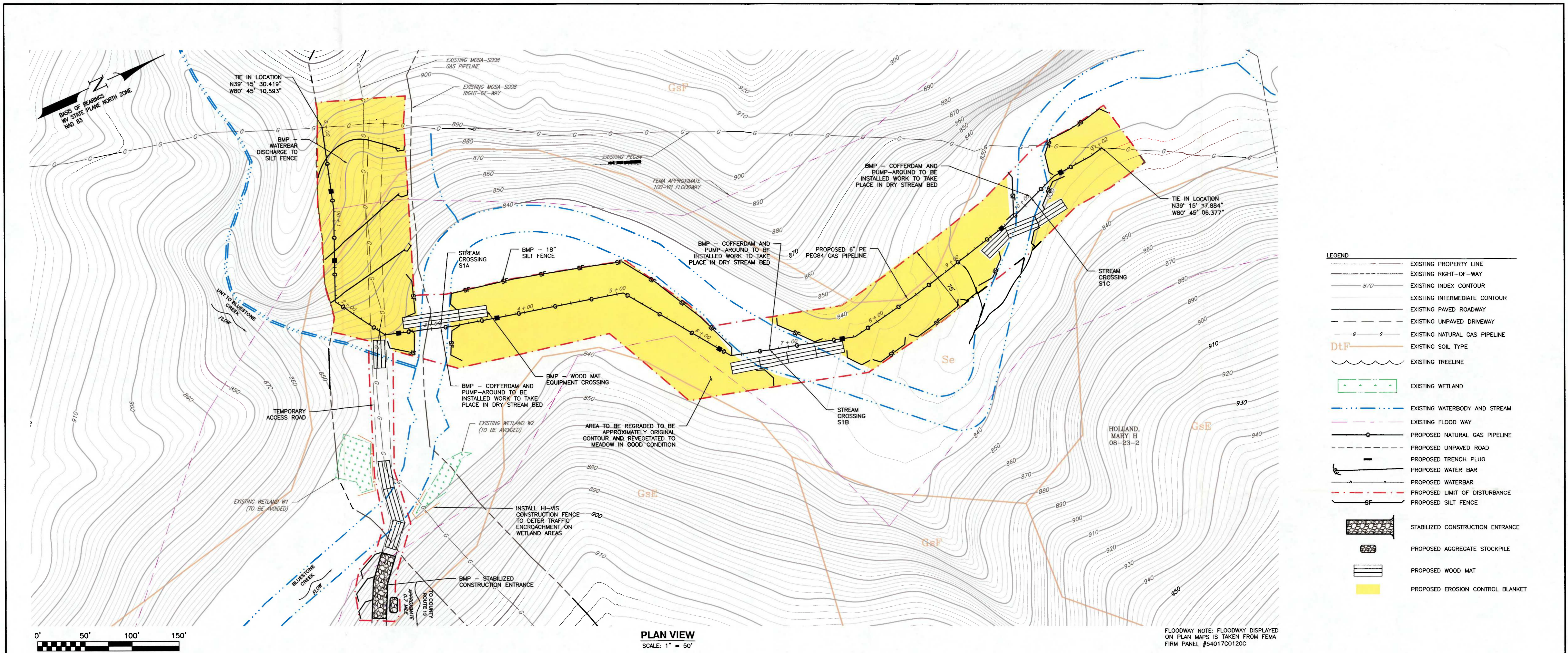
NO	REVISION	DATE	DRAWN	CHKD	NO	REVISION	DATE	DRAWN	CHKD

**KEYSTONE CONSULTANTS, INC.**  
32 East Main Street  
Carnegie, PA 15106  
412-278-2100  
412-278-2126 Fax

DRAWN	RH	DATE	06/18/2015
CHECKED	CEA	DATE	06/18/2015
APPROVED	JBC	DATE	06/19/2015
SCALE	1"=100'	SHEET	01 OF 05
CLIENT	EQUITRANS, LP 625 LIBERTY AVENUE PITTSBURGH, PA 15222		

**PEG84 REPLACEMENT  
EROSION & SEDIMENT CONTROL AND SITE  
RESTORATION PLAN**  
WEST UNION, DODDRIDGE COUNTY WEST VIRGINIA

**EQUITRANS, LP**  
DRAWING NUMBER **900** REVISION



- LEGEND**
- EXISTING PROPERTY LINE
  - EXISTING RIGHT-OF-WAY
  - 870 EXISTING INDEX CONTOUR
  - EXISTING INTERMEDIATE CONTOUR
  - EXISTING PAVED ROADWAY
  - EXISTING UNPAVED DRIVEWAY
  - EXISTING NATURAL GAS PIPELINE
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  - PROPOSED AGGREGATE STOCKPILE
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**PLAN VIEW**  
SCALE: 1" = 50'

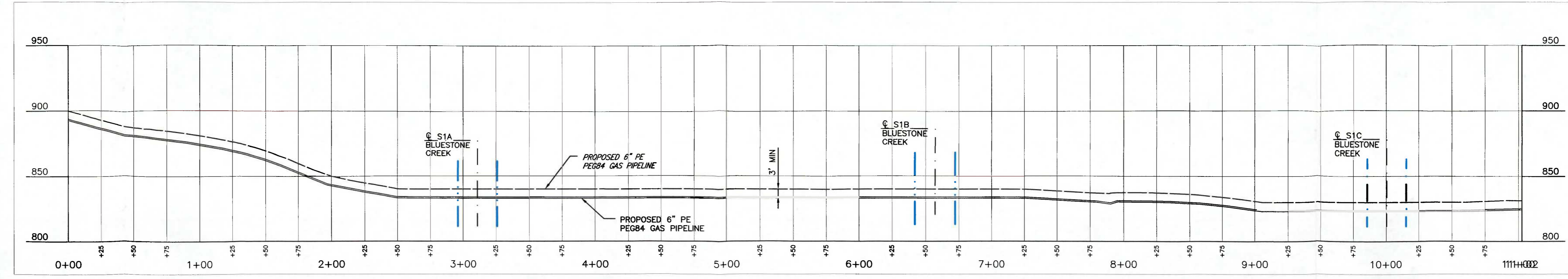
FLOODWAY NOTE: FLOODWAY DISPLAYED ON PLAN MAPS IS TAKEN FROM FEMA FIRM PANEL #5401700120C

- REFERENCE:**
- EXISTING CONTOURS, ROADWAYS, AND AERIAL PHOTOGRAPHS ARE DERIVED FROM WEST VIRGINIA STATE GIS DATA CLEARINGHOUSE; DEVELOPED BY U.S. CENSUS BUREAU AND U.S. GEOLOGICAL SURVEY; DATED FEBRUARY 2006.
  - EXISTING STREAM AND WETLAND INFORMATION FIELD LOCATED BY KEYSTONE CONSULTANTS, INC. ON 5/8/15.
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**PIPELINE PROFILE**  
SCALE: 1" = 50'

- LEGEND**
- EDGE OF THE BANK

PLAN PREPARER  
JOSHUA B. CARMICHAEL, PE  
KEYSTONE CONSULTANTS INC.  
32 EAST MAIN STREET  
CARNEGIE, PA 15106



NO	REVISION	DATE	DRAWN	CHKD	NO	REVISION	DATE	DRAWN	CHKD

**KEYSTONE**  
CONSULTANTS, INC.

32 East Main Street  
Carnegie, PA 15106  
412-278-2100  
412-278-2126 Fax

DRAWN RH DATE 06/18/2015  
CHECKED CEA DATE 06/18/2015  
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SCALE 1"=50' SHEET 02 OF 05  
CLIENT EQUITRANS, LP  
625 LIBERTY AVENUE  
PITTSBURGH, PA 15222

**PEG84 REPLACEMENT**  
EROSION & SEDIMENT CONTROL AND SITE RESTORATION PLAN

WEST UNION, DODDRIDGE COUNTY WEST VIRGINIA

**EQUITRANS, LP**

DRAWING NUMBER 901 REVISION