



# Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit gives approval for the development/ project listed that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible and must remain posted during entirety of development.

**Permit: #18-525**

**Date Approved: August 27, 2018**

**Expires: August 27, 2019**

**Issued to: EQM Gathering**

**POC: Cory Chalmers**

**Company Address: 1 Professional Place Bridgeport, WV 26330**

**Project Address: Traugh Fork Road**

**Firm: 54017C0255C**

**Lat/Long: 39.235312N, -80.577331W**

**Purpose of Development: Improvement Project**

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

**Date: August 27, 2018**

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For additional information regarding this permit, please contact  
Doddridge County Floodplain Manager at 304.873.2631, or via email at  
doddridgecountyfpm@gmail.com  
118 East Court Street; West Union, WV 26456

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**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- 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.

**Joseph & Linda Martin Trust**  
**78 Traugh Fork Road**  
**Salem, WV 26426**



9590 9402 3685 7335 7559 75

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 X *Linda Martin*  Agent  Addressee

B. Received by (Printed Name) *L. Martin* C. Date of Delivery *7/24*

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

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	

Domestic Return Receipt

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- 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.

**Butterfly Evolution Trust**  
**c/o Donald Paul McCollom**  
**260 Traugh Fork Road**  
**Salem, WV 26426**



9590 9402 3685 7335 7559 82

2. Article Number (Transfer from service label)

PS Form 3811, July 2015 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 X *Donna McCollom*  Agent  Addressee

B. Received by (Printed Name) *D. McCollom* C. Date of Delivery *7/25*

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

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	

Domestic Return Receipt

7016 2070 0000 3170 2649

**U.S. Postal Service™**  
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**OFFICIAL USE**

Certified Mail Fee \$ 3.45	
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 2.15	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
Postage \$ .50	
Total Postage and Fees \$ 6.70	
Sent To <i>Butterfly Evolution Trust</i> <i>c/o Donald Paul McCollom</i> Street and Apt. No., or PO Box No. <i>260 Traugh Fork Road</i> City, State, ZIP+4® <i>Salem, WV 26426 18-525</i>	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 2070 0000 3170 2631

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**OFFICIAL USE**

Certified Mail Fee \$ 3.45	
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 2.15	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
Postage \$ .50	
Total Postage and Fees \$ 6.70	
Sent To <i>Joseph &amp; Linda Martin Trust</i> <i>78 Traugh Fork Rd.</i> City, State, ZIP+4® <i>Salem, WV 26426 18-525</i>	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

COPY

COPY

COPY

141520

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
333 BALDWIN ROAD  
PITTSBURGH, PA 15205  
(412) 429-2324

PNC BANK, N.A.  
Pittsburgh, PA

EZShield<sup>SM</sup> Check Fraud  
Protection for Business

8-9/430

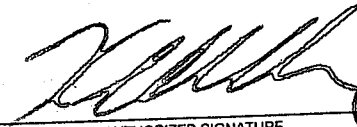
CHECK DATE 7/12/2018

PAY Five Hundred and 00/100 Dollars

COPY

AMOUNT 500.00

TO Doddridge County Floodplain



AUTHORIZED SIGNATURE

Security features. Details on back.

COPY

⑈ 141520⑈ ⑆043000096⑆ 0002272405⑈

FP #  
18-525

COPY

COPY

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**FLOODPLAIN PERMIT #18-525**

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CEC/EQM Gathering, Traugh Fork Rd Improvement Project 39.235312N, -80.577331W

<b>TASK</b>	<b>COMPLETE (DATE)</b>	<b>NOTES</b>
<i>CHECK RECEIVED</i>	7/17/2018	
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH &amp; WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC &amp; PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND &amp; STREAM (OLS)</i>		
<i>DATE OF COMMISSION READING</i>	8/7/2018	
<i>DATE AVAILABLE TO BE GRANTED</i>	8/27/2018	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		

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7016 2070 0000 3170 2648

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7016 2070 0000 3170 2631

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## **Doddridge County Floodplain Permits**

**(Week of July 23, 2018)**

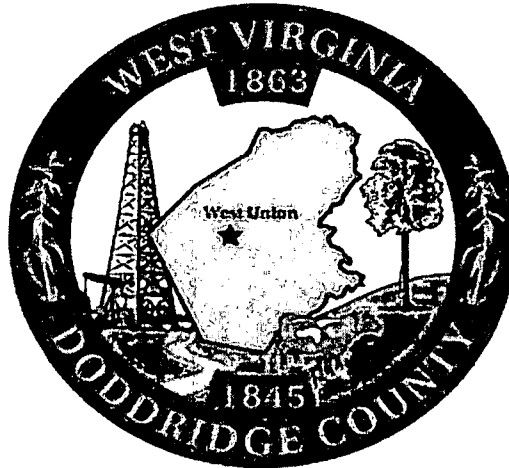
Please take notice that on the 17<sup>th</sup> of July, 2018, Civil and Environmental Consultants on behalf of EQM Gathering filed an application for a Floodplain Permit (#18-525) to develop land located at or about Traugh Fork Road; Coordinates: 39.235312N, -80.577331W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by **August 27, 2018** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. **This project is for ditch cleaning and road repairs for Traugh Fork Road**

Road

A handwritten signature in black ink, appearing to read 'George C. Eidel', is written over the printed name.

**GEORGE C. EIDEL, CFM**

Doddridge County Floodplain Manager



Permit# 18-525  
Project Name: Traugh Fork Rd Improvement Project  
Permittees Name: CEC/EDM  
Gathering

# Doddridge County, WV

## Floodplain Development Permit Application

This document is to be used for projects that impact/potentially impact the FEMA---designated floodplain and/or floodway of Doddridge County, WV pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance.

### SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. The permit will expire if no work is commenced within six months of issuance.
5. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
6. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
7. 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 [Signature]

DATE 6/26/18

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Applicant Information:**

*Please provide all pertinent data.*

<b>Applicant Information</b>		
Responsible Company Name: EQM Gathering OPCO, LLC		
Corporate Mailing Address: 2200 Energy Drive		
City: Canonsburg	State: PA	Zip: 15317
Corporate Point of Contact (POC):		
Corporate POC Title:		
Corporate POC Primary Phone:		
Corporate POC Primary Email:		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: www.eqt.com		
Local Mailing Address: 120 Professional Place		
City: Bridgeport	State: WV	Zip: 26330
Local Project Manager (PM):		
Local PM Primary Phone:		
Local PM Secondary Phone:		
Local PM Primary Email:		
Person Filing Application: Cory Chalmers		
Applicant Title: Environmental Coordinator		
Applicant Primary Phone: (304) 848-0061		
Applicant Secondary Phone: (304) 627-8173		
Applicant Primary Email: cchalmers@eqt.com		

**Doddridge County Commercial/Industrial  
Floodplain Development Permit Application**

**Project Narrative:**

*Describe in detail the proposed development including project name/title, type of development, estimated start and completion timeline, and its potential impact on the floodplain. Use additional copies of this page as needed.*

<b>Project Narrative:</b>	
<p>The Traugh Fork County Road Improvement Project is located within the WV Division of Highways Right-of-Way on Doddridge County Route 15/5 beginning at the junction of County Route 15, Miletus Road and ending at the Harrison County line. This project proposes to improve West Virginia Division of Highways (WVDOH) secondary roads by cleaning out existing roadside ditches, overlaying existing surfaces with clean stone, and revegetation of non-stoned surfaces. A portion of the work is located within the Traugh Fork ZONE A Flood Hazard Area, according to the Flood Insurance Rate Map (FIRM) for Doddridge County, Map #54017C0255C with a map revised date of October 4, 2011.</p>	
<p>This project entails maintenance work with no fill activities and all materials will be hauled off site to designated landfill locations. Temporary erosion control measures will be removed upon completion of the project. As a result, this project will not result in a decrease of the available flood plain storage area and will not adversely affect the existing base flood elevation of Little Musringum - Middle Island Creek.</p>	
<p>The total project is located on Flood Insurance Rate Maps (FIRM) for Doddridge County Map Panels 54017C0255C and 54017C0260C, both with a map revised date of October 4, 2011.</p>	



Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Proposed Development:**

*Please check all elements of the proposed project that apply.*

**DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)**

**A. STRUCTURAL DEVELOPMENT**

<u>ACTIVITY</u>		<u>STRUCTURAL TYPE</u>	
<input type="checkbox"/>	New Structure	<input type="checkbox"/>	Residential (1 – 4 Family)
<input type="checkbox"/>	Addition	<input type="checkbox"/>	Residential (more than 4 Family)
<input type="checkbox"/>	Alteration	<input type="checkbox"/>	Non-residential (floodproofing)
<input type="checkbox"/>	Relocation	<input type="checkbox"/>	Combined Use (res. & com.)
<input type="checkbox"/>	Demolition	<input type="checkbox"/>	Replacement
<input type="checkbox"/>	Manufactured/Mobile Home		

**B. OTHER DEVELOPMENT ACTIVITIES:**

- Fill                       Mining                       Drilling                       Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Alteration (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)

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Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Development Site/Property Information:**

*Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)*

Property Designation:  1  of  1

<b>Site/Property Information:</b>		
Legal Description: N/A		
Physical Address/911 Address: WV DOH Doddridge County Route 15/5, Traugh Fork Road		
Decimal Latitude/Longitude: 39.235575, -80.577632		
DMS Latitude/Longitude: 39° 14' 8.07" N, 80° 34' 39.4752" W		
District: N/A	Map: N/A	Parcel: N/A
Land Book Description:		
Deed Book Reference: N/A		
Tax Map Reference: N/A		
Existing Buildings/Use of Property: County Road		

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

Doddridge County Commercial/Industrial  
Floodplain Development Permit Application

**Contractor Data:**

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

**Property Designation:** \_\_\_\_ of \_\_\_\_

<b>Contractor/Sub-Contractor (C/SC) Information:</b>		
C/SC Company Name: N/A		
C/SC WV License Number:		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC):		
Local C/SC POC Title:		
C/SC Mailing Address:		
City:	State:	Zip-Code:
Local C/SC Office Phone:		
Local C/SC POC Phone:		
Local C/SC POC E-Mail:		

<b>Engineer Firm Information:</b>		
Engineer Firm Name:		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC):		
Engineer Firm Primary POC Title:		
Engineer Firm Mailing Address:		
City:	State:	Zip-Code:
Engineer Firm Office Phone:		
Engineer Firm Primary POC Phone:		
Engineer Firm Primary POC E-Mail:		

### Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

<b>Adjacent Property Owner Data: Upstream</b>		
Name of Primary Owner (PO): Butterfly Evolution Trust c/o Donald Paul McCollom		
Physical Address: 260 Traugh Fork Rd		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

<b>Adjacent Property Owner Data: Upstream</b>		
Name of Primary Owner (PO): Butterfly Evolution Trust c/o Donald Paul McCollom		
Physical Address: 260 Traugh Fork Rd		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

<b>Adjacent Property Owner Data: Downstream</b>		
Name of Primary Owner (PO): Joseph & Linda Martin TRUST		
Physical Address: 78 Traugh Fork Rd		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

<b>Adjacent Property Owner Data: Downstream</b>		
Name of Primary Owner (PO): Butterfly Evolution Trust, c/o Donald Paul McCollom		
Physical Address: 260 Traugh Fork Rd		
City: Salem	State: WV	Zip: 26426
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

## Site Plan

**A Site Plan is an accurate and detailed map of the proposed development for this project.** It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. **A certified and licensed engineering firm should complete site plans.**

### **A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:**

1. Legal description of the parcel, north arrow and scale
2. All property lines and their dimensions
3. Names of adjacent roads, location of driveways
4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
6. Location and dimensions of existing or proposed on-site sewage systems.
7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
9. Location and dimensions of any roadway development into floodplain/floodway. *(Includes initial development access roads)*
10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
12. Location of any existing utilities and/or proposed utility placement and/or displacement.
13. Location, dimensions and depth of any existing or proposed fill on site.
14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE:** All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.

## Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have will be properly attained, are current and valid, and must be presented prior to a Doddridge County Floodplain Permit being issued.
- I understand that if in the course of the development project additional permits become required that were not needed during the initial proposal, the primary developer must notify the Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work" order may be issued for all project work directly impacting the floodplain or floodway, until such time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into official public record at the next regularly scheduled Doddridge County Commission meeting after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the Doddridge County Floodplain Manager has ninety (90) days to make a determination to either grant or deny said permit application. During this approval period, the Doddridge County Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of provided documentation by means of an independent engineering firm. All costs associated with said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager or designee may at his or her discretion conduct site visits and document conditions of proposed development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official public record. Appeals to the permit may be made no later than twenty (20) days after said issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain Manager, a "Stop Work" order will be issued for all project development directly involving the floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be scheduled no less than ten (10) days after the next regularly scheduled Doddridge County Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- **I understand issuance of a Floodplain Permit authorizes me to proceed with construction as proposed.**
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain Manager or designee the right to enter onto the above---described location to inspect the development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site--plan submitted and approved by this permit that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Applicant Printed Name: \_\_\_\_\_



June 21, 2018

Doddridge County Commission  
Attn: George Eidel, Doddridge County Floodplain Manager  
118 East Court Street, Room 102  
West Union, WV 26456

Subject: EQM Gathering OPCO, LLC.  
Traugh Fork County Road Improvement Project  
No-Rise Certificate  
Doddridge County, West Virginia  
CEC Project 182-287

Civil & Environmental Consultants, Inc. (CEC) is pleased to evaluate the potential floodplain impacts for the above referenced project on behalf of EQM Gathering OPCO, LLC., 120 Professional Place, Bridgeport, WV 26330. EQM Gathering OPCO, LLC. proposes to improve West Virginia Division of Highways County Road 15/5, Traugh Fork Road. A portion of the proposed project is located within the Traugh Fork ZONE A flood hazard area, according to the Flood Insurance Rate Map (FIRM) for Doddridge County, Map Panel 54017C0255C, with an effective date of October 4, 2011. The work that will take place in the flood plain will consist of maintenance work such as grading, stone stabilization, and re-establishing the ditchline with no fill activities. All materials will be hauled off the site to designated landfill locations. Any disturbed areas will be returned to the existing conditions at the conclusion of the work. As a result, the proposed project will not result in a decrease of the available floodplain storage area and will not adversely affect the existing base flood elevation of Little Musringum – Middle Island Creek.

This no-rise certificate is provided in support of the floodplain development permit application. Your time and effort in reviewing this floodplain development permit application is appreciated. Please feel free to contact me at 304-933-3119 or via e-mail at [jrobinson@cecinc.com](mailto:jrobinson@cecinc.com) or contact Mr. Cory Chalmers at 304-848-0061 or via e-mail at [cchalmers@eqt.com](mailto:cchalmers@eqt.com) if you have questions or need additional information.

Respectfully submitted,

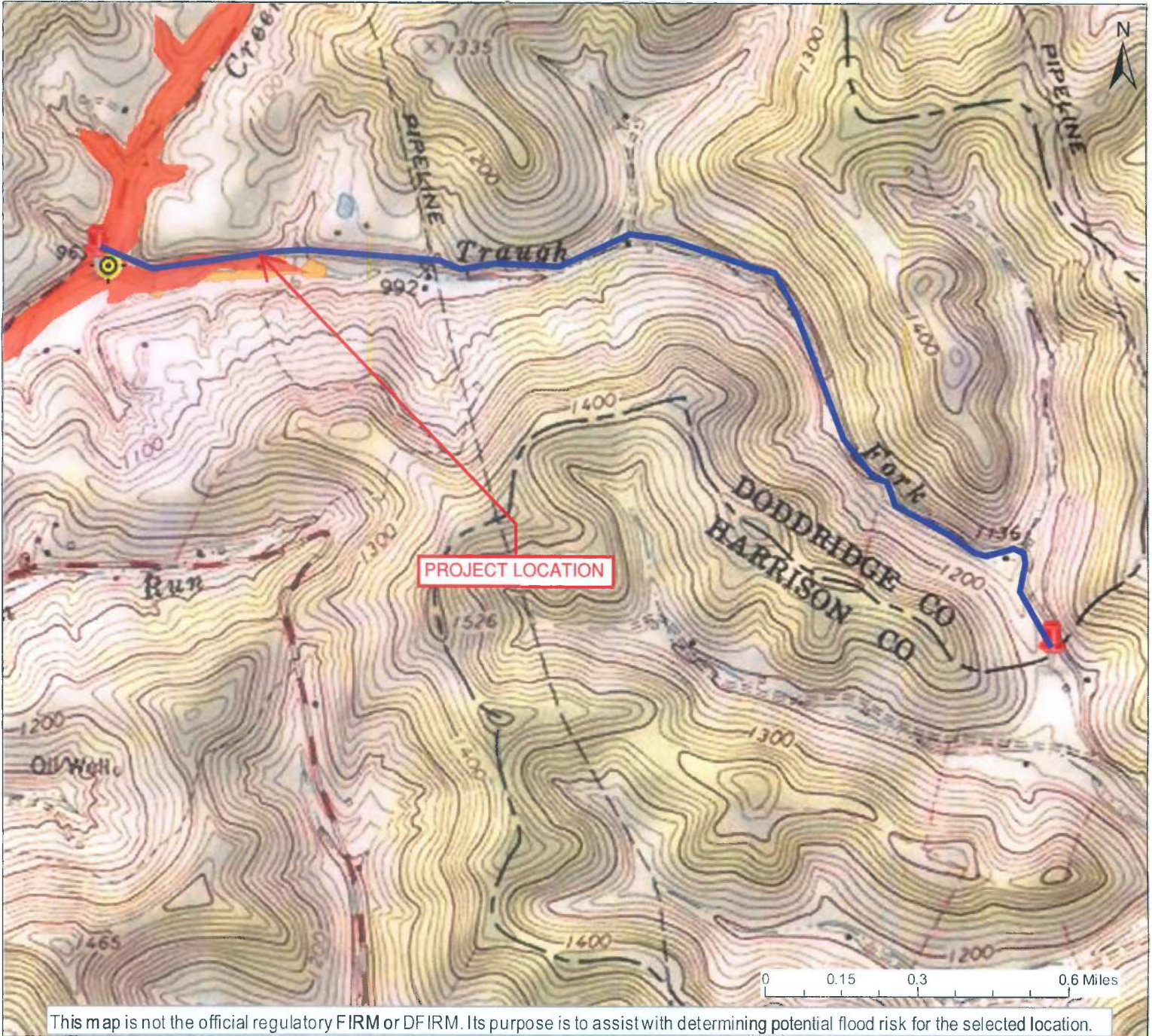
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Joseph D. Robinson, P. E.  
Principal

Steven A. Cain, P. E.  
Vice President



# WV Flood Map



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map created on 6/18/2018

Flood Info Location

**User Notes:**  
EQM Gathering OPCO, LLC  
County Road Improvement  
Traugh Fork Road

### FEMA Effective Floodplain

- Floodway
- Flood Hazard Zone
- Advisory Zone
- A or Updated Zone AE

### Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (<https://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

### Flood Hazard Area:

Location is **WITHIN** the FEMA 100-year floodplain.

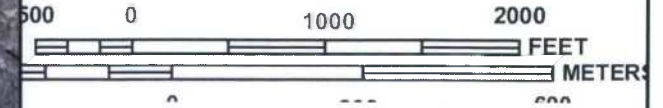
### Flood Hazard Zone: A

**Stream:** Traugh Fork  
**Watershed (HUC8):** Little Musringum-Middle Island (50  
**FEMA Flood Map:** 54017C0255C **EFF:** 10/4/2011  
**Elevation:** About 951 ft (Source: SAMS 2003)  
**Community Name:** Doddridge County  
**Community ID:** 540024  
**Location (long, lat):** (-80.577331, 39.235312)  
**Parcel ID:** 09-04-0008-0011-0000  
**Address:** multiple addresses





MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0255C

## FIRM

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

PANEL 255 OF 325  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0255	C

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



MAP NUMBER  
 54017C0255C

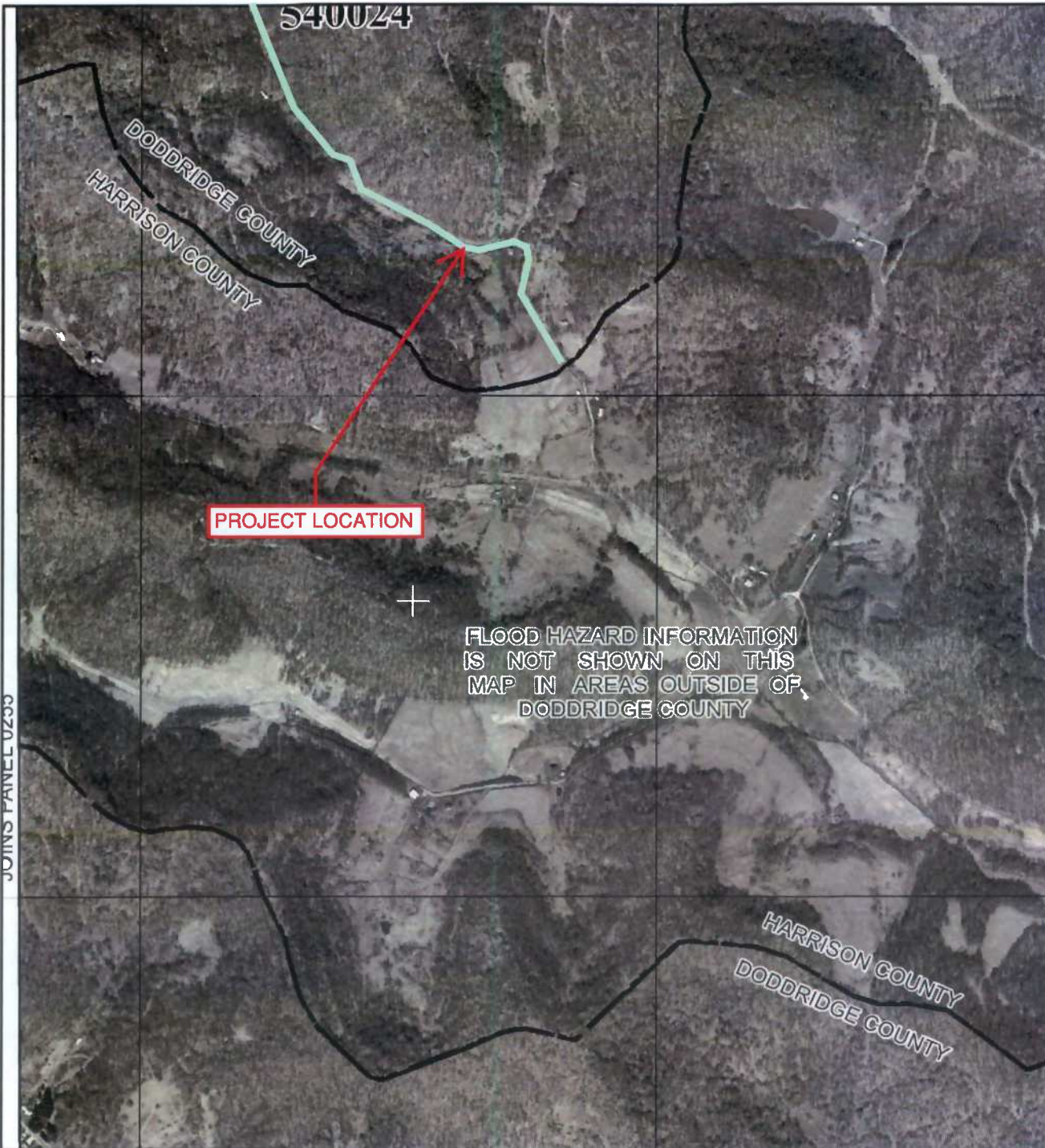
MAP REVISED  
 OCTOBER 4, 2011

Federal Emergency Management Agency

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



JOINS PANEL 0260C



PROJECT LOCATION

FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF DODDRIDGE COUNTY



MAP SCALE 1" = 1000'



NFP

PANEL 0260C

# FIRM

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

PANEL 260 OF 325

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0260	C

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



MAP NUMBER  
54017C0260C

MAP REVISED  
OCTOBER 4, 2011

Federal Emergency Management Agency

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

# CONTRACTOR LICENSE

Authorized by the

**West Virginia Contractor Licensing Board**

**Number:** WV041057

**Classification:**  
GENERAL ENGINEERING


PRECISION PIPELINE LLC  
DBA PRECISION PIPELINE LLC  
3314 56TH STREET  
EAU CLAIRE, WI 54703

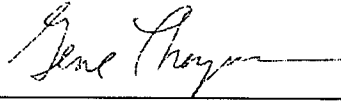
**Date Issued**

JULY 18, 2017

**Expiration Date**

JULY 18, 2018

  
Authorized Company Signature

  
Chair, West Virginia Contractor  
Licensing Board



**WEST VIRGINIA  
CONTRACTOR  
LICENSING  
BOARD**

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
05/02/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> MARSH USA, INC. TWO ALLIANCE CENTER 3560 LENOX ROAD, SUITE 2400 Atlanta, GA 30326 Attn: Atlanta.Certrequest@marsh.com 605106--Cas-17-18      PRECIS	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext):      FAX (A/C, No): E-MAIL ADDRESS:														
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : ACE American Insurance Company</td> <td>22667</td> </tr> <tr> <td>INSURER B : Indemnity Ins Co Of North America</td> <td>43575</td> </tr> <tr> <td>INSURER C : Commerce And Industry Ins Co</td> <td>19410</td> </tr> <tr> <td>INSURER D : ACE Fire Underwriters Insurance Company</td> <td>20702</td> </tr> <tr> <td>INSURER E : Agri General Insurance Company</td> <td>42757</td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : ACE American Insurance Company	22667	INSURER B : Indemnity Ins Co Of North America	43575	INSURER C : Commerce And Industry Ins Co	19410	INSURER D : ACE Fire Underwriters Insurance Company	20702	INSURER E : Agri General Insurance Company	42757	INSURER F :
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INSURER F :															

**COVERAGES**      **CERTIFICATE NUMBER:** ATL-004819421-01      **REVISION NUMBER:** 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> SIR: \$250,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			XSL G2787017A	09/15/2017	09/15/2018	EACH OCCURRENCE \$ 2,750,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ SELF INSURED PERSONAL & ADV INJURY \$ 2,750,000 GENERAL AGGREGATE \$ 20,000,000 PRODUCTS - COMP/OP AGG \$ 6,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			ISA H09061666	09/15/2017	09/15/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED      RETENTION \$			28189294	09/15/2017	09/15/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WLR C64415748 (AOS) WLR C64415785 (AZ, CA, MA) WCU C64415906 (FL, GA, NC, TX) SIR: \$1.5M for FL, NC, TX / \$1M for GA	09/15/2017 09/15/2017 09/15/2017	09/15/2018 09/15/2018 09/15/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
D	Workers Compensation			SCF C64415864 (WI)	09/15/2017	09/15/2018	2,000,000
E	Workers Compensation			WLR C64415827 (TN)	09/15/2017	09/15/2018	2,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 Harrison County Planning Department is included as Additional Insured with respect to the General and Auto Liability policies where required by written contract or agreement. Waiver of subrogation is applicable to General Liability, Auto Liability, and Workers' Compensation where required by written contract.

<b>CERTIFICATE HOLDER</b> Harrison County Planning Department 301 West Maning St. Clarksburg, WV 26301	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b> of Marsh USA Inc. Manashi Mukherjee <i>Manashi Mukherjee</i>



Civil & Environmental Consultants, Inc.

600 Marketplace Ave  
Suite 200

Bridgeport, WV 26330

Phone: (304) 933-3119 · Toll Free: (855) 488-9539

Fax: (304) 933-3327

# Letter of Transmittal

Date: 7/13/2018

Job No.:

Attention: Mr. George Eidell, Doddridge County  
Floodplain Manager

To:

Doddridge County Commission  
118 East Court Street, Room 102  
West Union, WV 26456

RE:

We are sending you attached via the following items:

- Shop drawings     
  Prints     
  Plans     
  Samples     
  Specifications  
 Copy of letter     
  Change order     
  Flood Plain Permit Package

Copies	Date	No.	Description
1	07/13/2018	1	Traugh Fork County Road Improvement Project
1	07/12/2018	1	Check # 141520 for \$500.00 to cover permit fee

- For approval     
  Approved as submitted     
  Resubmit \_ copies for approval  
 For your use     
  Approved as noted     
  Submit \_ copies for distribution  
 As requested     
  Returned for corrections     
  Return \_ prints  
 For review and comment     
  \_  
 For bids due     
  Prints returned after loan to us

### Remarks:

Copy to:

182-287

Signed:

Denise A. Roncone E.I.T.

# The Doddridge Independent

## The Doddridge Independent PUBLISHER'S CERTIFICATE

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

Please take notice that on the 17th of July, 2018, Civil and Environmental Consultants on behalf of EQM Gathering filed an application for a Floodplain Permit (#18-525) to develop land located at or about Traugh Fork Road; Coordinates: 39.235312N, -80.577331W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested

was published in The Doddridge Independent  
2 times commencing on Friday, July 20, 2018 and  
Ending on Friday, August 3, 2018 at the request of:

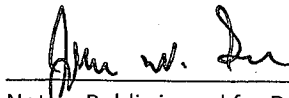
**George Eidel, Doddridge County Floodplain  
Manager & Doddridge County Commission**

Given under my hand this Friday, August 3, 2018

The publisher's fee for said publication is:  
**\$ 31.30 1st Run / \$ 23.47 Subsequent Runs**  
**This Legal Ad Total: \$ 54.77**

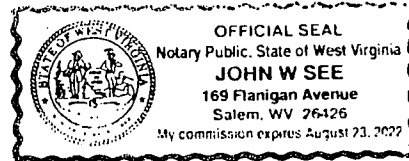
  
Michael D. Zorn  
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on  
this date: 8 / 3 / 18

  
Notary Public in and for Doddridge County  
My Commission expires on

The 23 day of Aug 20 22

**Floodplain Public Notice - Legal Notice**  
Please take notice that on the 17th of July, 2018, Civil and Environmental Consultants on behalf of EQM Gathering filed an application for a Floodplain Permit (#18-525) to develop land located at or about Traugh Fork Road; Coordinates: 39.235312N, -80.577331W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by August 27, 2018 (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for ditch cleaning and road repairs for Traugh Fork Road  
C2 07/20 - 08/03





# TRAUGH FORK ROAD/COUNTY ROUTE 15/5 COUNTY ROAD IMPROVEMENT PROJECT EROSION AND SEDIMENT CONTROL PLAN

LAT./LONG: N 39.235575° W -80.577632°  
(APPROXIMATE BEGINNING OF PROJECT)  
LAT./LONG: N 39.221524° W -80.544641°  
(APPROXIMATE END OF PROJECT)

**PROJECT OWNER/APPLICANT**

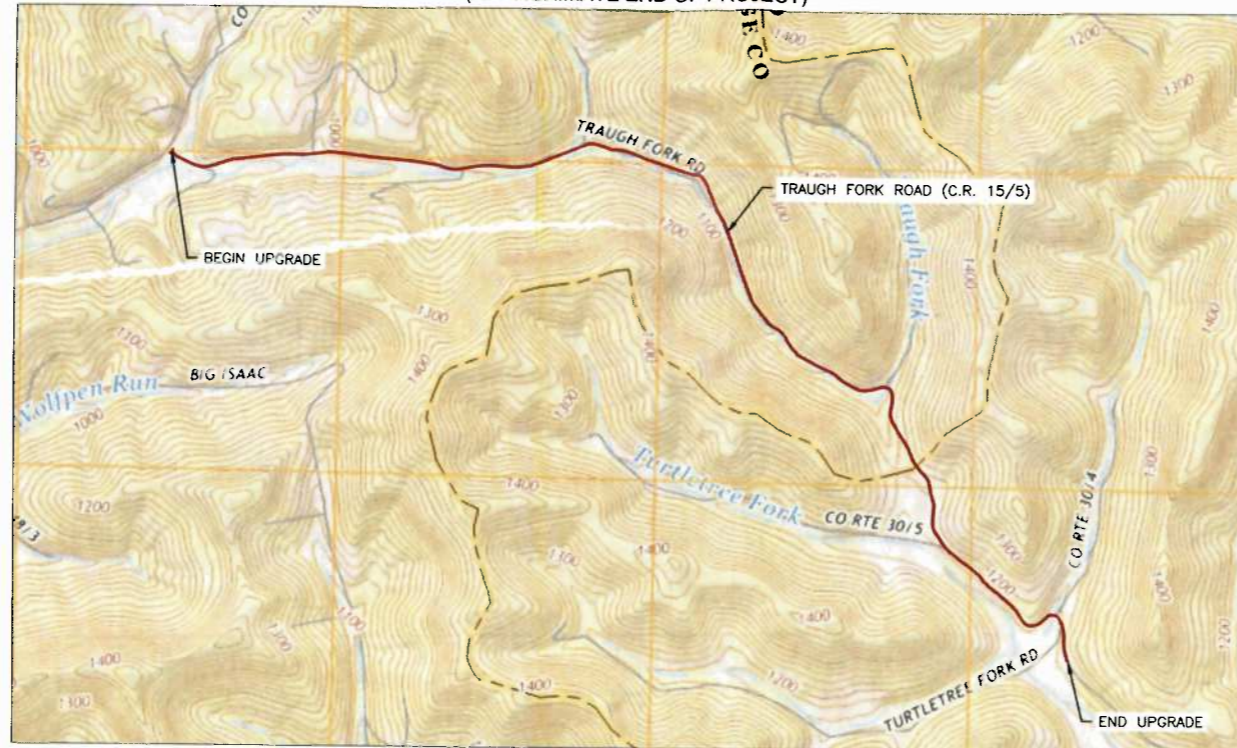
EQM GATHERING OPCO, LLC  
2200 ENERGY DRIVE  
CANONSBURG, PA 15317  
CONTACT: MATTHEW HOOVER

**CIVIL ENGINEER**

CIVIL & ENVIRONMENTAL  
CONSULTANTS, INC.  
600 MARKETPLACE AVENUE SUITE 200  
BRIDGEPORT, WV 26330  
PH: (304) 933-3119  
CONTACT: JOSEPH D. ROBINSON, P.E.

**WVDOH**

DISTRICT FOUR  
PH: (304) 842-1500  
CONTACT: DISTRICT ENGINEER  
DONALD L. WILLIAMS P.E.



**LOCATION MAP**

BIG ISAAC USGS 7.5' QUADS  
SCALE IN FEET  
0 1000 2000  
1 INCH = 1000 FEET



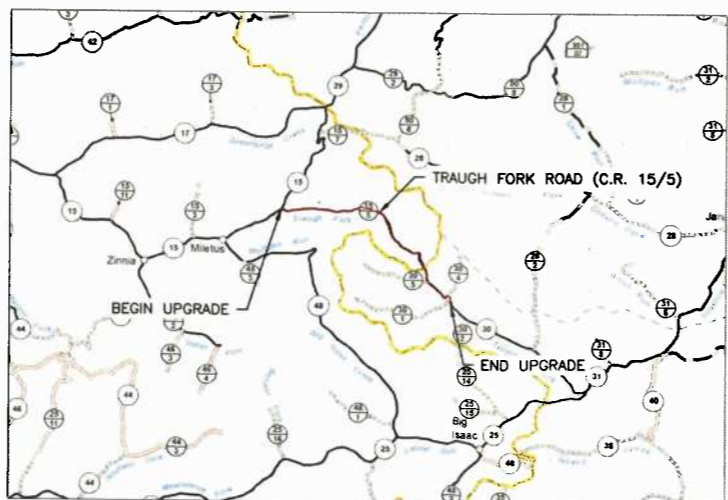
**SHEET INDEX**

- 1 COVER SHEET
- 2-20 EROSION AND SEDIMENT CONTROL PLAN
- 21 MISCELLANEOUS DETAILS

NO.	DATE	DESCRIPTION

**Civil & Environmental Consultants, Inc.**  
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330  
Ph: 304.933.3119 · 855.488.9539 · Fax: 304.933.3327  
www.cectic.com

**EQM GATHERING OPCO, LLC  
TRAUGH FORK ROAD - CR 15/5  
DODDRIDGE CO, WEST VIRGINIA**



**VICINITY MAP**

DODDRIDGE & HARRISON COUNTY ROAD MAPS  
SCALE IN FEET  
0 1 MILE 2 MILES  
1 INCH = 1 MILE



**PLAN REPRODUCTION WARNING**  
THE PLANS HAVE BEEN CREATED ON ANSI D (22" X 34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.  
THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.  
\*\*WARNING\*\*: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

**WEST VIRGINIA 811**  
**CALL BEFORE YOU DIG!**  
WEST VIRGINIA STATE LAW  
REQUIRES THAT YOU CALL  
TWO BUSINESS DAYS  
BEFORE YOU DIG IN THE  
STATE OF WEST VIRGINIA.  
IT'S THE LAW!

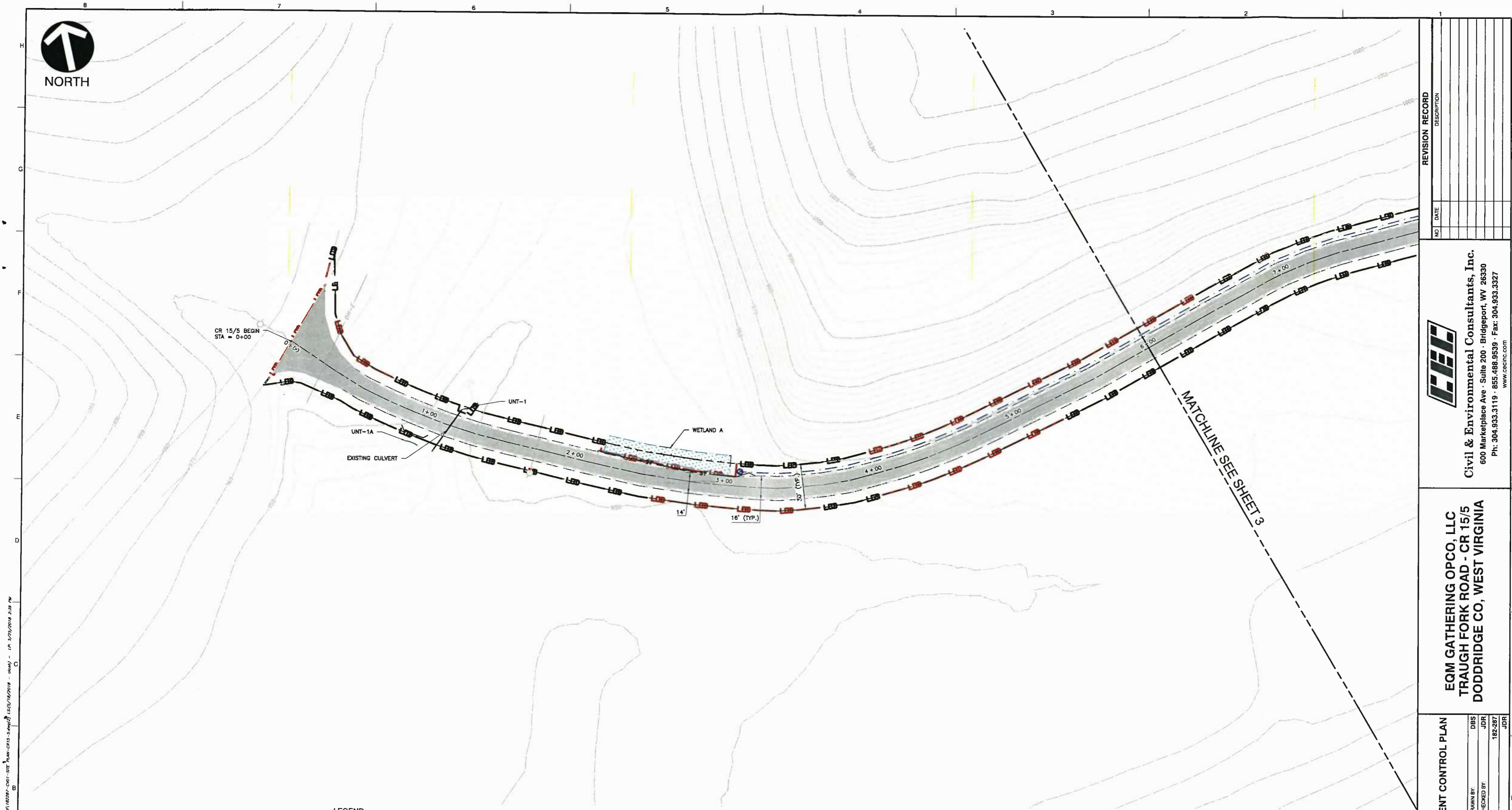


<b>COVER SHEET</b>	
DATE	MAY 2018
DWG SCALE	AS SHOWN
DRAWN BY	JDR
CHECKED BY	JDR
PROJECT NO.	182-287
APPROVED BY	JDR
DRAWING NO.	<b>1</b>
SHEET	1 OF 21





NORTH



1. 1/18/18 10:23:24 - CAD/DWG/CR1111715-3.dwg - 1/18/2018 2:15 PM  
2. 1/18/18 10:23:24 - CAD/DWG/CR1111715-3.dwg - 1/18/2018 2:15 PM  
3. 1/18/18 10:23:24 - CAD/DWG/CR1111715-3.dwg - 1/18/2018 2:15 PM  
4. 1/18/18 10:23:24 - CAD/DWG/CR1111715-3.dwg - 1/18/2018 2:15 PM

REFERENCE

1. TOPOGRAPHIC INFORMATION ARE DERIVED FROM GIS DATABASE. ACCURACY IS NOT VERIFIED.
2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

LEGEND

-0.00-	EXISTING INDEX CONTOUR	○	EXISTING UTILITY POLE
---	EXISTING CONTOUR (INTER)	- - -	EXISTING ROADSIDE DITCH
- - -	EXISTING ROADS (UNPAVED)	— L —	PROPOSED LIMITS OF DISTURBANCE
- - -	EXISTING ROADS (PAVED)	⊗	PROPOSED ROCK CHECK DAM
—	EXISTING CULVERT	- - -	PROPOSED ROADSIDE DITCH
—	EXISTING STREAM	— SF —	PROPOSED EDGE OF ROAD
—	EXISTING WETLAND	— x — x —	PROPOSED SILT FENCE
—	EXISTING ROAD RIGHT-OF-WAY	—	PROPOSED ROAD DESIGN CENTERLINE
- - -	EXISTING OVERHEAD UTILITY	- - -	PROPOSED GRAVEL SURFACE
—	EXISTING GAS LINE	—	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
—	EXISTING WATER LINE	—	
—	EXISTING RAILROAD		
—	EXISTING PAVED SURFACE WITH REPAIRS		
—	EXISTING BRIDGE		

MAINTENANCE AND SEEDING NOTES

1. AT A MINIMUM, INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROLS WILL BE CONDUCTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER OF RAINFALL IN 24 HOURS.
2. EXCEPT AS NOTED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
3. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
4. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
5. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
6. A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION AND SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITY HOURS AND STRICTLY ADHERED TO.
7. EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAXIMIZED THROUGH RAPID STABILIZATION OF THE DISTURBED AREAS AND BY INSTALLATION OF BEST MANAGEMENT PRACTICES (BMP'S), AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.
8. SEE SWPPP FOR MORE DETAIL ON VEGETATIVE PRACTICES, PERMANENT STABILIZATION, TEMPORARY / PERMANENT SEEDING MIXTURES, MAINTENANCE, AND CONSTRUCTION SEQUENCE.
9. SEE MISCELLANEOUS DETAIL SHEET FOR MORE DETAIL ON PLACEMENT OF BMP'S FOR DITCH LINE AND STREAMS.
10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.

SCALE IN FEET

EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO.: **2**

SHEET 2 OF 21

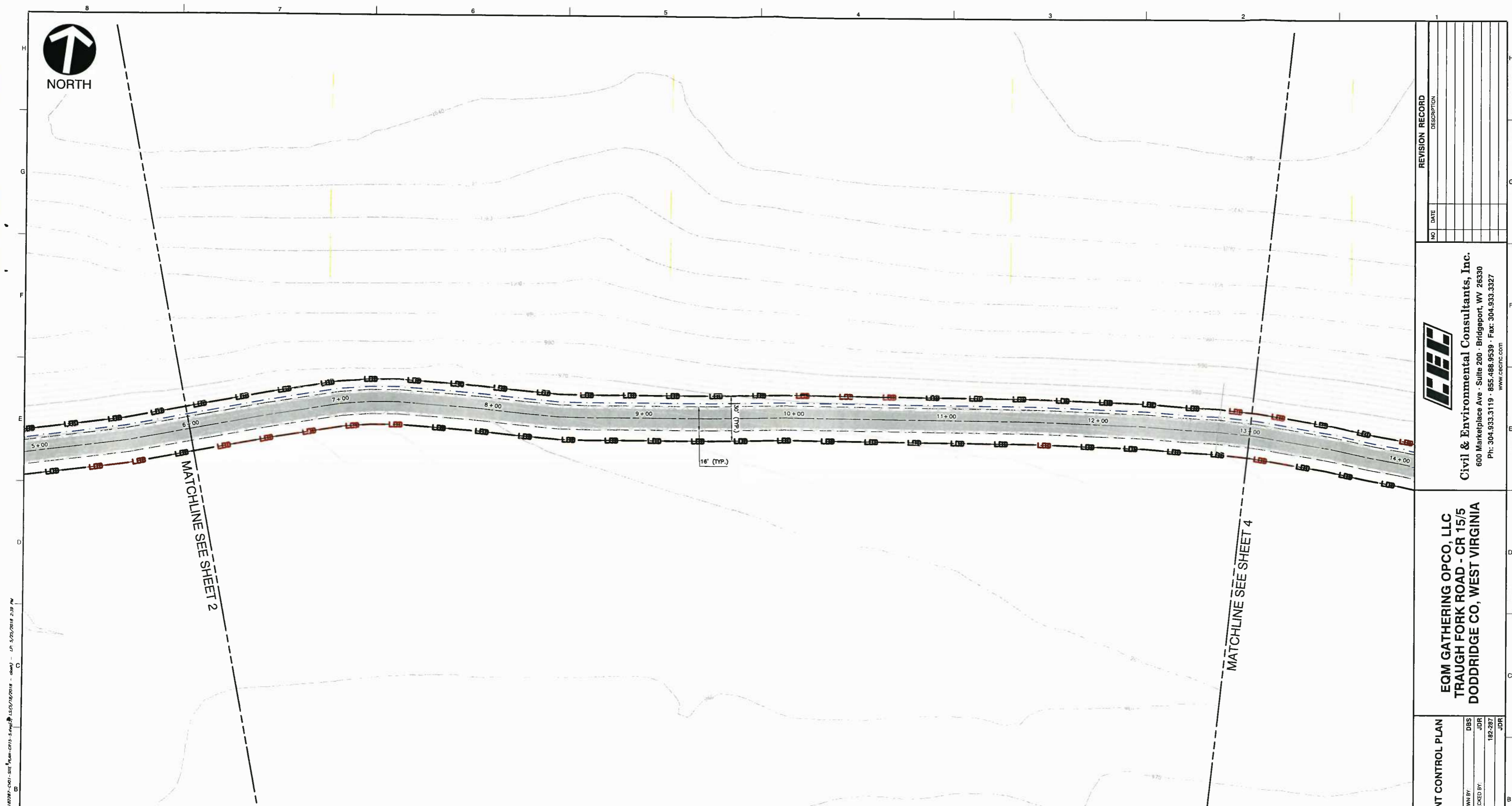
DATE:	MAY 2018	DRAWN BY:	DBS
DWG SCALE:	AS SHOWN	CHECKED BY:	JDR
PROJECT NO.:	182-287	APPROVED BY:	JDR

EQM GATHERING OPCO, LLC  
 TRAUGH FORK ROAD - CR 15/5  
 DODDRIDGE CO, WEST VIRGINIA

Civil & Environmental Consultants, Inc.  
 600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330  
 Ph: 304.933.3119 · 855.488.9539 · Fax: 304.933.3327  
 www.cecinc.com

REVISION RECORD	
NO	DATE





A:\2018\182-287-001\DWG\182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg - 182-287-001-001.dwg

**REFERENCE**

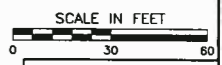
1. TOPOGRAPHIC INFORMATION ARE DERIVED FROM GIS DATABASE. ACCURACY IS NOT VERIFIED.
2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

**LEGEND**

	EXISTING INDEX CONTOUR		EXISTING UTILITY POLE
	EXISTING CONTOUR (INTERIOR)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
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DATE:	MAY 2018	DRAWN BY:	DBS
DWG SCALE:	AS SHOWN	CHECKED BY:	JDR
PROJECT NO.:	182-287	APPROVED BY:	JDR

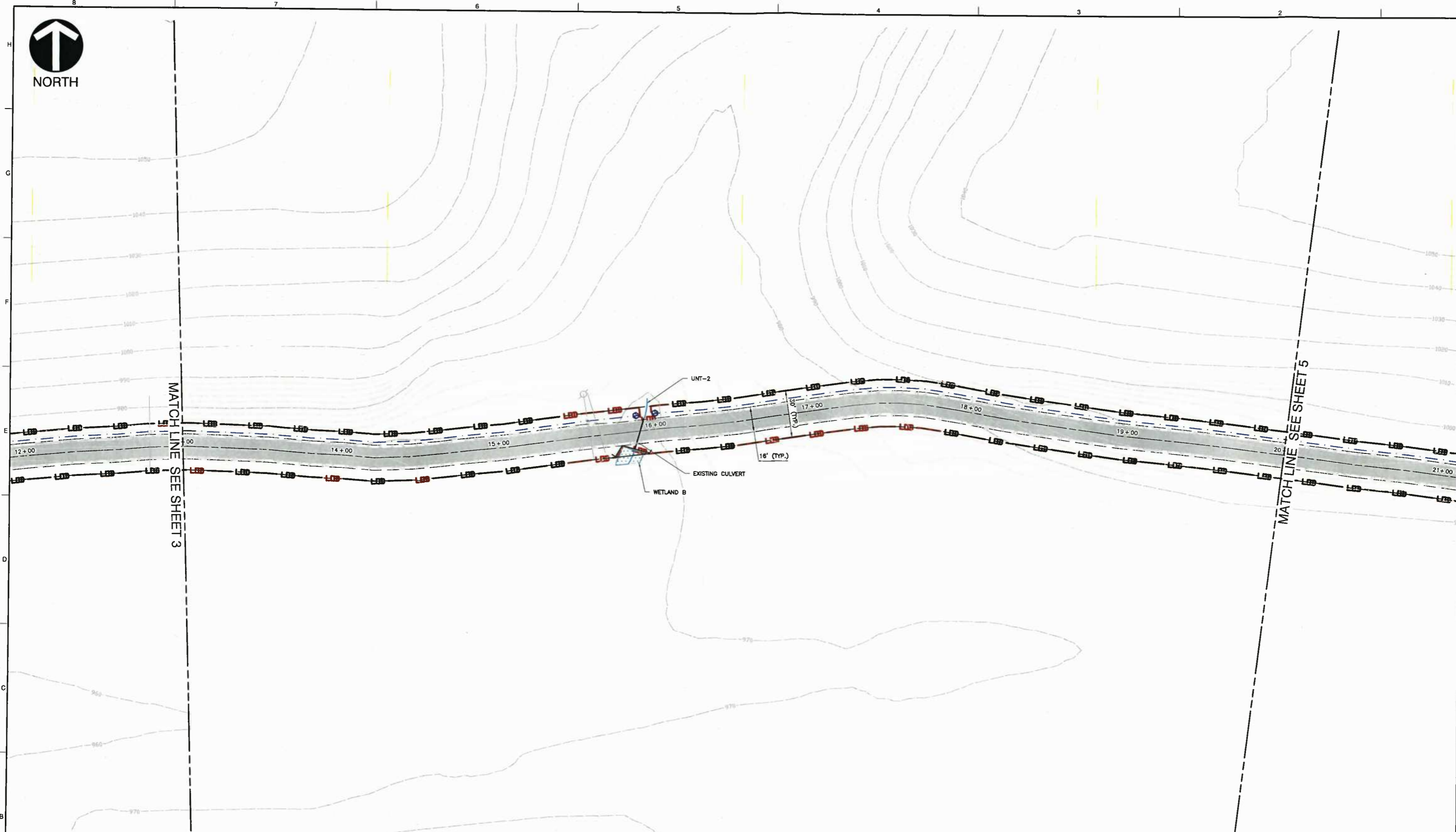
EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO. 3 SHEET 3 OF 21

**EQM GATHERING OPCO, LLC**  
TRAUGH FORK ROAD - CR 15/5  
DODDRIDGE CO, WEST VIRGINIA

**C&E**  
**Civil & Environmental Consultants, Inc.**  
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330  
Ph: 304.933.3119 · 855.488.9539 · Fax: 304.933.3327  
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NO.	DATE	REVISION RECORD	DESCRIPTION



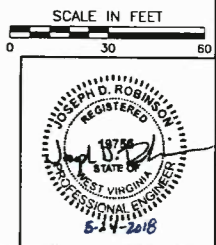
MATCH LINE SEE SHEET 3

MATCH LINE SEE SHEET 5

LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING CONTOUR (INTER)
	EXISTING ROADS (UNPAVED)
	EXISTING ROADS (PAVED)
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
	PROPOSED SILT FENCE
	PROPOSED ROAD DESIGN CENTERLINE
	PROPOSED GRAVEL SURFACE
	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

- REFERENCE**
1. TOPOGRAPHIC INFORMATION ARE DERIVED FROM GIS DATABASE. ACCURACY IS NOT VERIFIED.
  2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

- MAINTENANCE AND SEEDING NOTES**
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  5. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
  6. A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION AND SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITY HOURS AND STRICTLY ADHERED TO.
  7. EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAXIMIZED THROUGH RAPID STABILIZATION OF THE DISTURBED AREAS AND BY INSTALLATION OF BEST MANAGEMENT PRACTICES (BMP'S), AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.
  8. SEE SWPPP FOR MORE DETAIL ON VEGETATIVE PRACTICES, PERMANENT STABILIZATION, TEMPORARY / PERMANENT SEEDING MIXTURES, MAINTENANCE, AND CONSTRUCTION SEQUENCE.
  9. SEE MISCELLANEOUS DETAIL SHEET FOR MORE DETAIL ON PLACEMENT OF BMP'S FOR DITCH LINE AND STREAMS.
  10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.



**EROSION AND SEDIMENT CONTROL PLAN**

DRAWING NO.: **4** OF 21

DATE: MAY 2018  
 DRAWN BY: JDR  
 AS SHOWN  
 CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**Civil & Environmental Consultants, Inc.**  
 600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330  
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 www.cecninc.com

NO	DATE	DESCRIPTION

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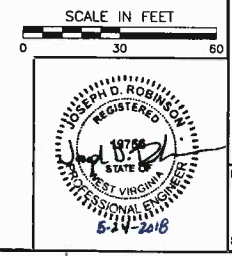
MATCH LINE SEE SHEET 4

MATCH LINE SEE SHEET 6

LEGEND	
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	EXISTING CONTOUR (INTER)
	EXISTING ROADS (UNPAVED)
	EXISTING ROADS (PAVED)
	EXISTING CULVERT
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
	PROPOSED SILT FENCE
	PROPOSED ROAD DESIGN CENTERLINE
	PROPOSED GRAVEL SURFACE
	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

- REFERENCE**
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REVISION RECORD	
NO	DATE

**C&E**  
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**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**EROSION AND SEDIMENT CONTROL PLAN**

DATE: MAY 2018 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

DRAWING NO: **5**  
 SHEET 5 OF 21

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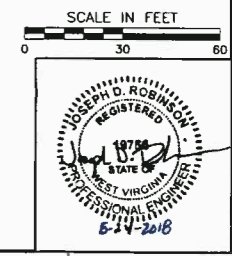
MATCH LINE SEE SHEET 5

MATCH LINE SEE SHEET 7

LEGEND	
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	EXISTING CONTOUR (INTER)
	EXISTING ROADS (UNPAVED)
	EXISTING ROADS (PAVED)
	EXISTING CULVERT
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
	PROPOSED SILT FENCE
	PROPOSED ROAD DESIGN CENTERLINE
	PROPOSED GRAVEL SURFACE
	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

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  9. SEE MISCELLANEOUS DETAIL SHEET FOR MORE DETAIL ON PLACEMENT OF BMPs FOR DITCH LINE AND STREAMS.
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**EROSION AND SEDIMENT CONTROL PLAN**

DRAWING NO.: **6**

SHEET 6 OF 21

DATE: MAY 2018  
 DRAWN BY: DBS  
 AS SHOWN  
 CHECKED BY: JDR  
 PROJECT NO.: 182-287  
 APPROVED BY: JDR

**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**Civil & Environmental Consultants, Inc.**  
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 www.cecnrc.com

NO	DATE	DESCRIPTION

11:20:18 AM 5/22/2018 2:19 PM





MATCH LINE SEE SHEET 6

MATCH LINE SEE SHEET 8

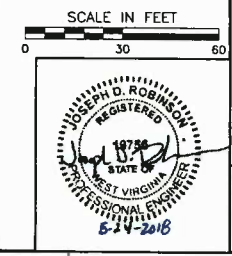
LEGEND	
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	EXISTING CONTOUR (INTER)
	EXISTING ROADS (UNPAVED)
	EXISTING ROADS (PAVED)
	EXISTING CULVERT
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
	PROPOSED SILT FENCE
	PROPOSED ROAD DESIGN CENTERLINE
	PROPOSED GRAVEL SURFACE
	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

**REFERENCE**

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**MAINTENANCE AND SEEDING NOTES**

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**EROSION AND SEDIMENT CONTROL PLAN**

DRAWING NO. **7**

SHEET 7 OF 21

DATE: MAY 2018  
 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN  
 CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

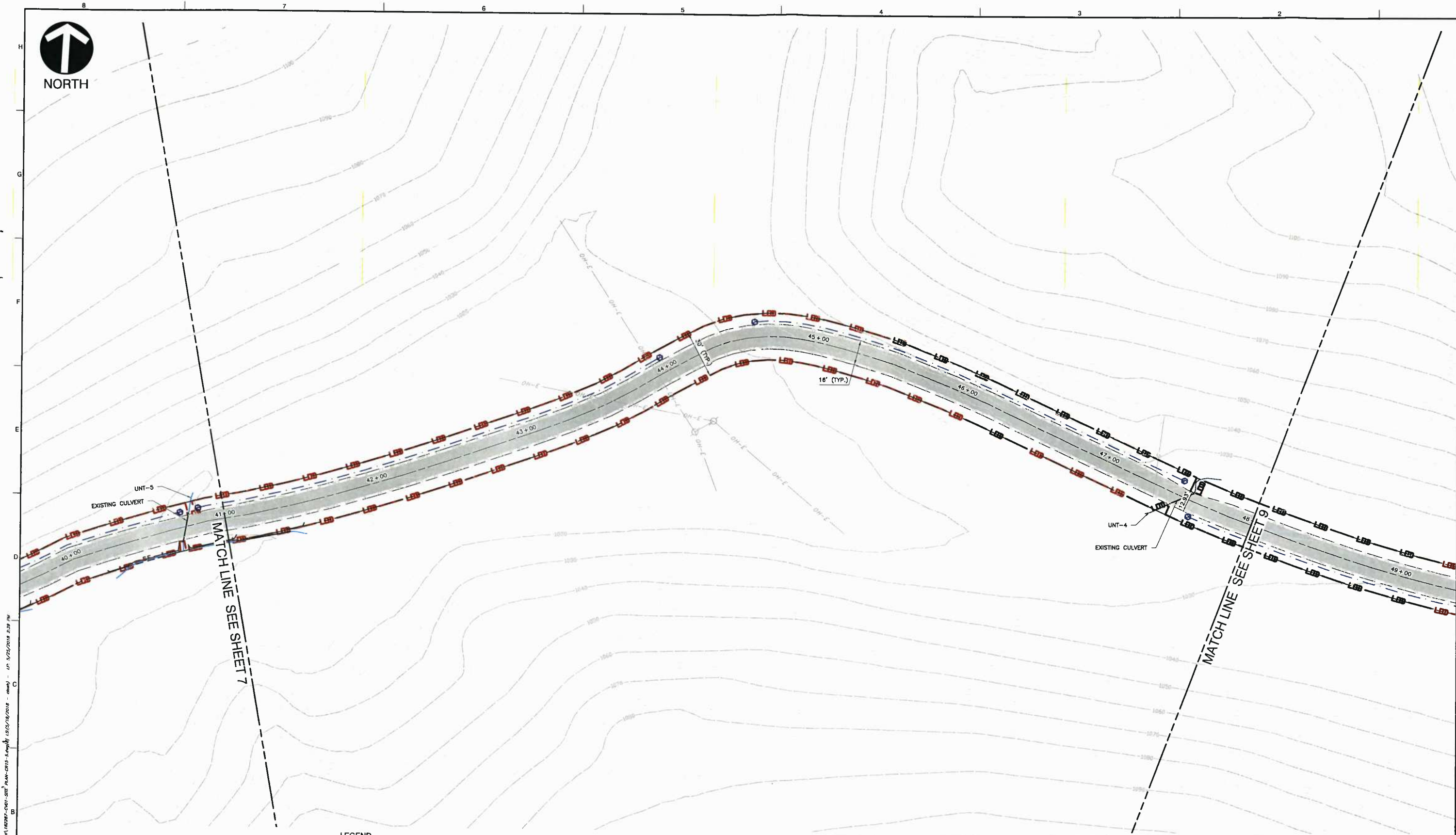
**EQM GATHERING OPCO, LLC**  
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**DODDRIDGE CO, WEST VIRGINIA**

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REVISION RECORD		
NO	DATE	DESCRIPTION

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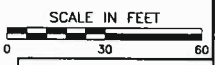
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**LEGEND**

	EXISTING INDEX CONTOUR		EXISTING UTILITY POLE
	EXISTING CONTOUR (INTER)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
	EXISTING WETLAND		PROPOSED SILT FENCE
	EXISTING ROAD RIGHT-OF-WAY		PROPOSED ROAD DESIGN CENTERLINE
	EXISTING OVERHEAD UTILITY		PROPOSED GRAVEL SURFACE
	EXISTING GAS LINE		PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING WATER LINE		
	EXISTING RAILROAD		
	EXISTING PAVED SURFACE WITH REPAIRS		
	EXISTING BRIDGE		

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**EROSION AND SEDIMENT CONTROL PLAN**

DRAWING NO: **8**  
SHEET 8 OF 21

**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**CEE**  
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NO	DATE	REVISION RECORD	DESCRIPTION

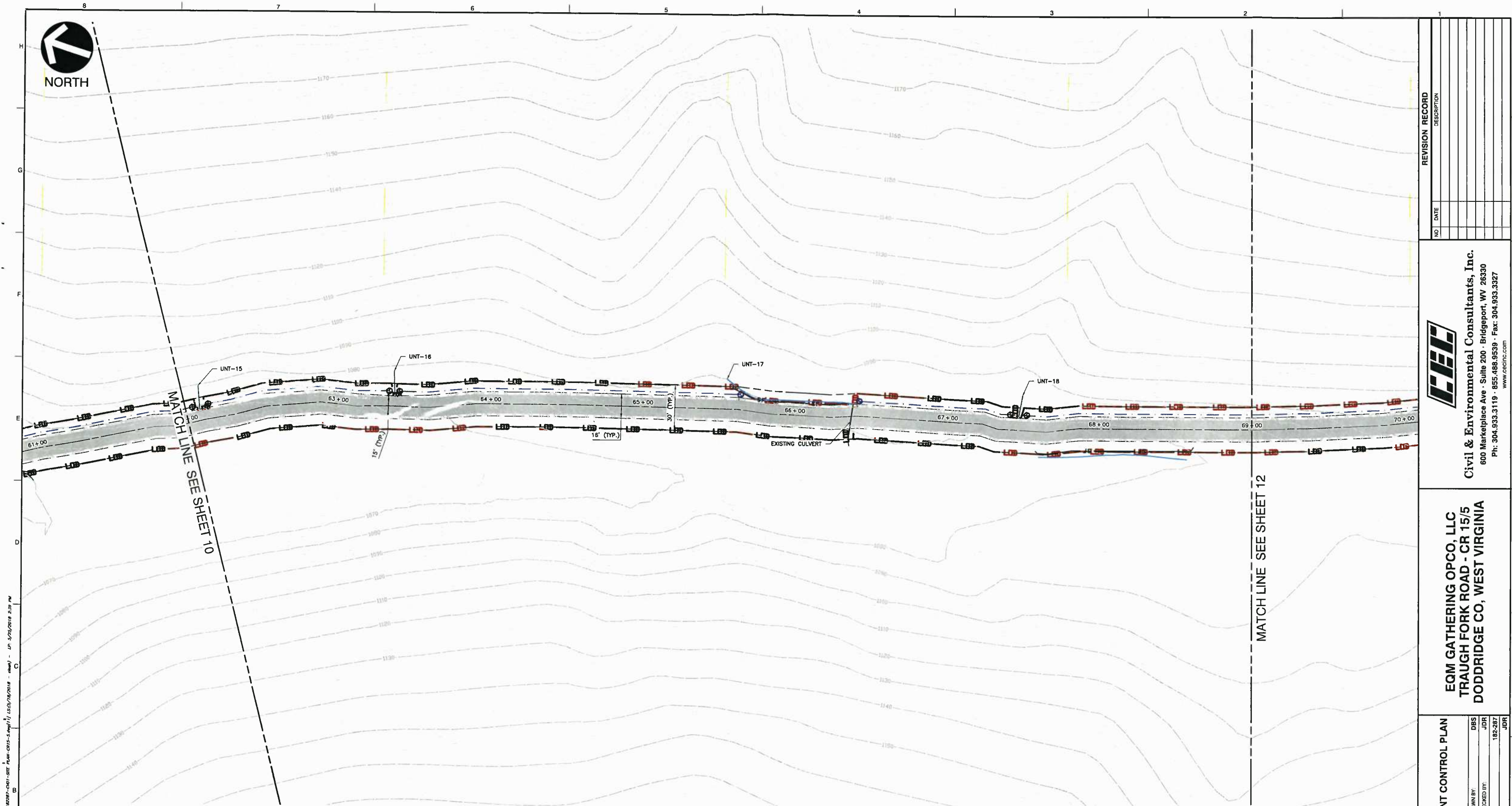












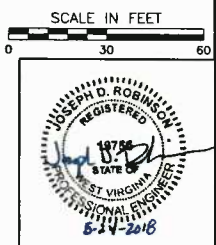
MATCH LINE SEE SHEET 10

MATCH LINE SEE SHEET 12

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	EXISTING ROADS (PAVED)
	EXISTING ROADS (UNPAVED)
	EXISTING CULVERT
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
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  9. SEE MISCELLANEOUS DETAIL SHEET FOR MORE DETAIL ON PLACEMENT OF BMP'S FOR DITCH LINE AND STREAMS.
  10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.



REVISION RECORD	
NO	DATE

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**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**EROSION AND SEDIMENT CONTROL PLAN**

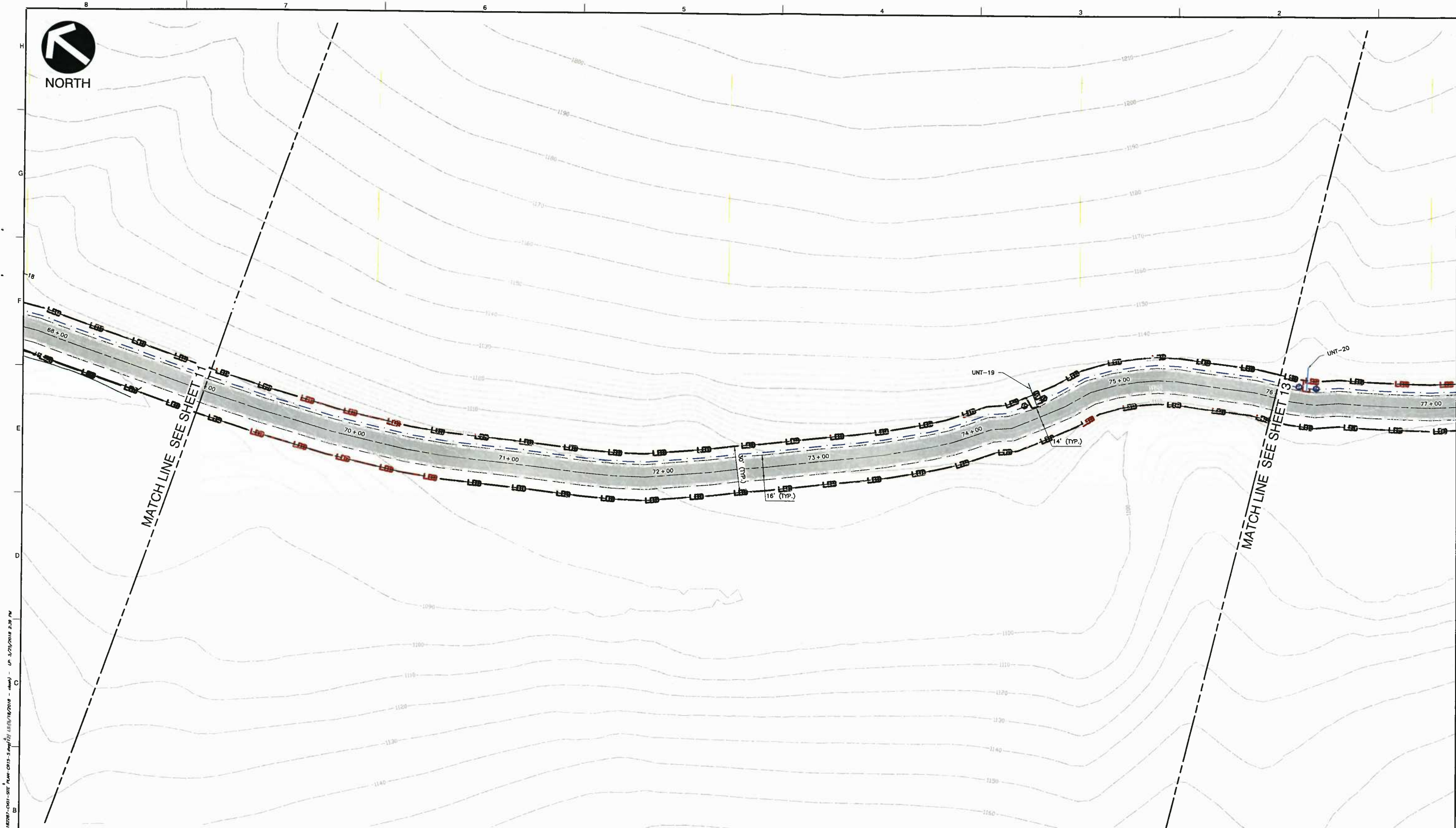
DATE: MAY 2018 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

DRAWING NO: **11**  
 SHEET 11 OF 21





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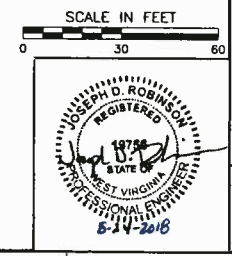
MATCH LINE SEE SHEET 12

MATCH LINE SEE SHEET 13

LEGEND	
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	EXISTING CONTOUR (INTER)
	EXISTING ROADS (UNPAVED)
	EXISTING ROADS (PAVED)
	EXISTING CULVERT
	EXISTING STREAM
	EXISTING WETLAND
	EXISTING ROAD RIGHT-OF-WAY
	EXISTING OVERHEAD UTILITY
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING RAILROAD
	EXISTING PAVED SURFACE WITH REPAIRS
	EXISTING BRIDGE
	EXISTING UTILITY POLE
	EXISTING ROADSIDE DITCH
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED ROCK CHECK DAM
	PROPOSED ROADSIDE DITCH
	PROPOSED EDGE OF ROAD
	PROPOSED SILT FENCE
	PROPOSED ROAD DESIGN CENTERLINE
	PROPOSED GRAVEL SURFACE
	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

- REFERENCE**
1. TOPOGRAPHIC INFORMATION ARE DERIVED FROM GIS DATABASE. ACCURACY IS NOT VERIFIED.
  2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

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**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**EROSION AND SEDIMENT CONTROL PLAN**

DATE: MAY 2018 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

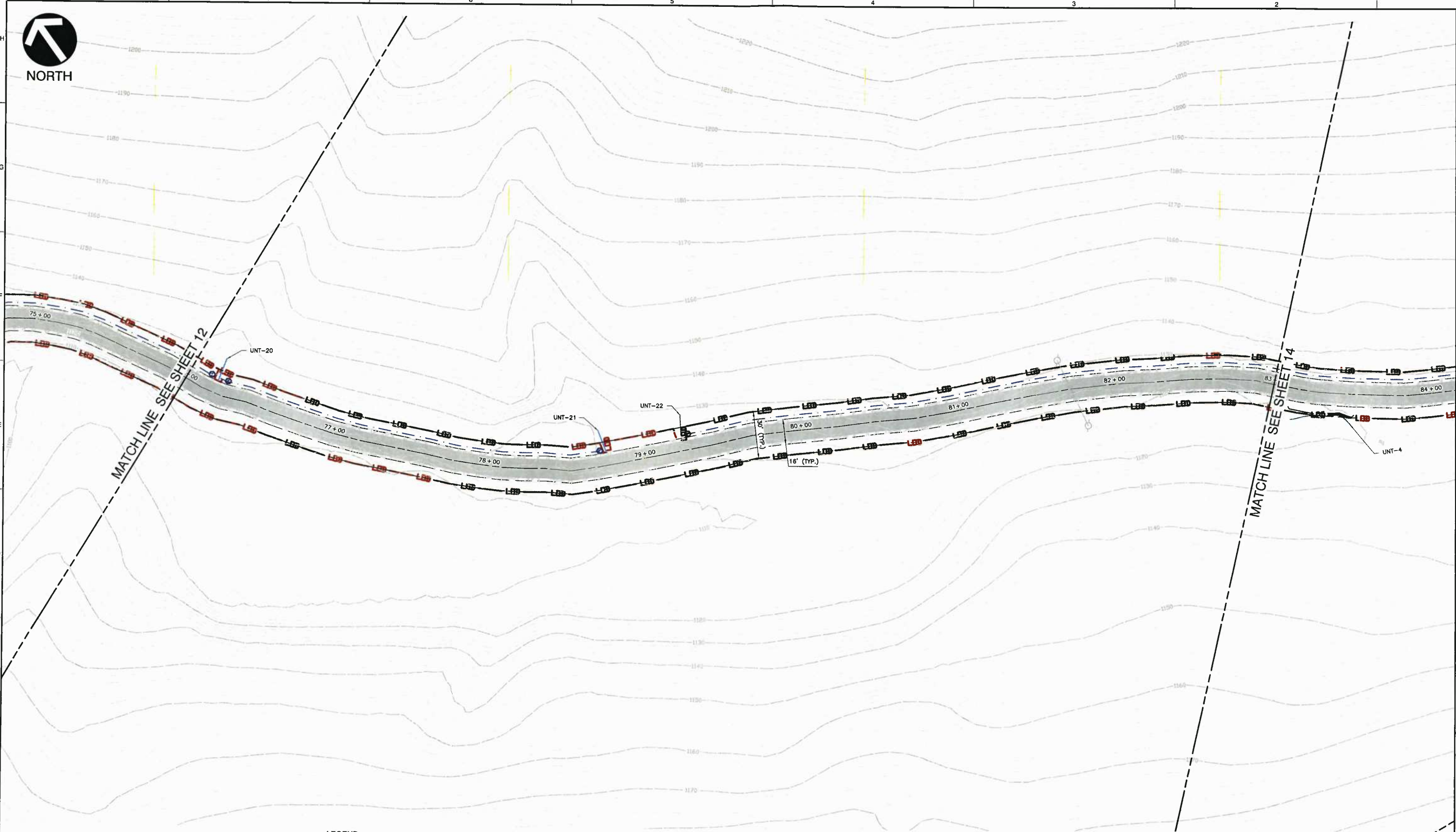
DRAWING NO.: **12**  
 SHEET 12 OF 21





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**LEGEND**

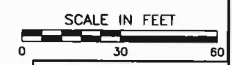
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	EXISTING CONTOUR (INTER)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
	EXISTING WETLAND		PROPOSED SILT FENCE
	EXISTING ROAD RIGHT-OF-WAY		PROPOSED ROAD DESIGN CENTERLINE
	EXISTING OVERHEAD UTILITY		PROPOSED GRAVEL SURFACE
	EXISTING GAS LINE		PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING WATER LINE		
	EXISTING RAILROAD		
	EXISTING PAVED SURFACE WITH REPAIRS		
	EXISTING BRIDGE		

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<b>EROSION AND SEDIMENT CONTROL PLAN</b>	
DATE:	MAY 2018
DRAWN BY:	DBS
CHECKED BY:	JDR
PROJECT NO.:	182-287
APPROVED BY:	JDR

DRAWING NO. **13**  
SHEET 13 OF 21

NO.	DATE	REVISION RECORD DESCRIPTION

**CEC**  
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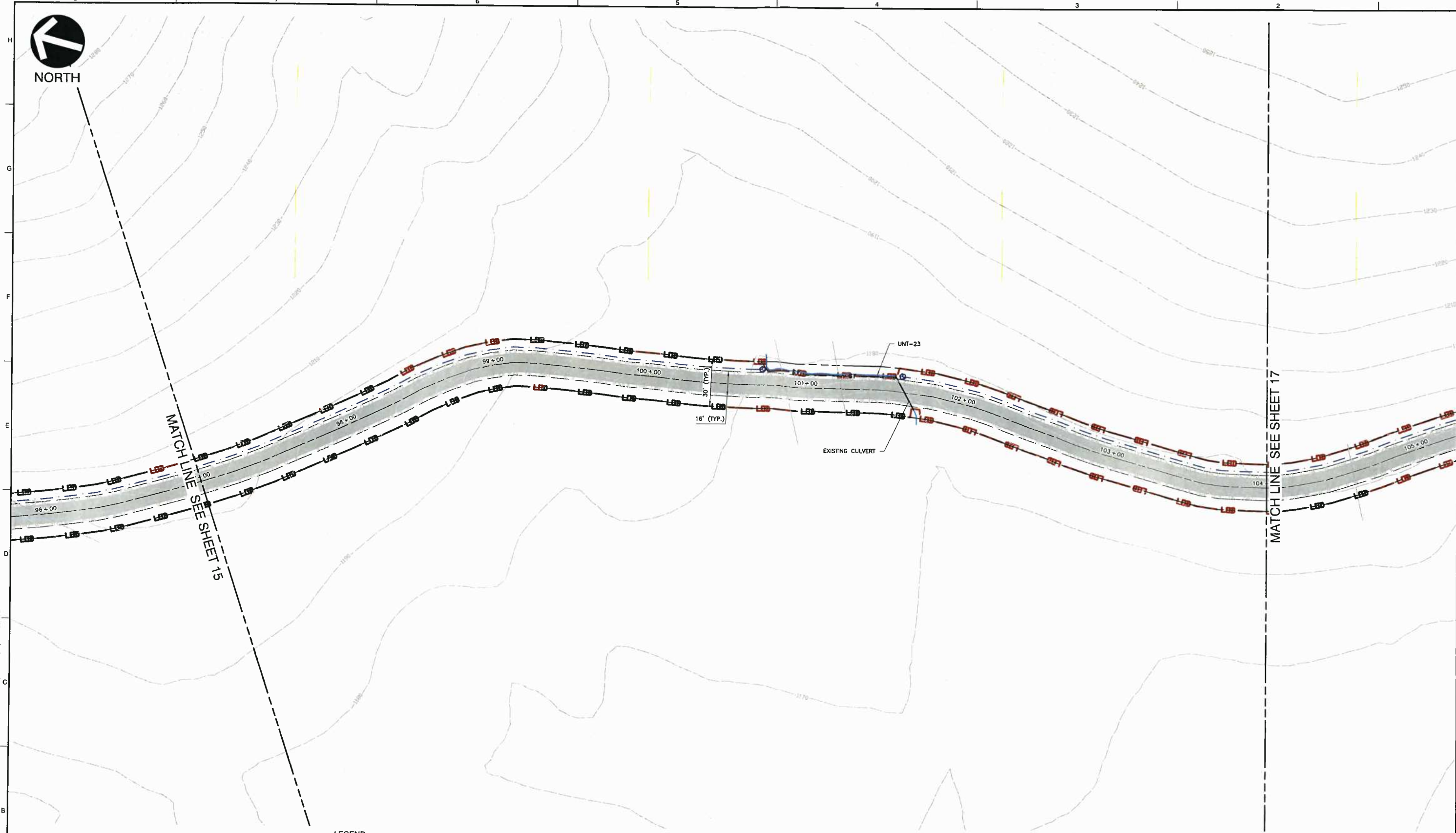








NORTH



MATCH LINE SEE SHEET 15

MATCH LINE SEE SHEET 17

**LEGEND**

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	EXISTING CONTOUR (INTER)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
	EXISTING WETLAND		PROPOSED SILT FENCE
	EXISTING ROAD RIGHT-OF-WAY		PROPOSED ROAD DESIGN CENTERLINE
	EXISTING OVERHEAD UTILITY		PROPOSED GRAVEL SURFACE
	EXISTING GAS LINE		PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING WATER LINE		
	EXISTING RAILROAD		
	EXISTING PAVED SURFACE WITH REPAIRS		
	EXISTING BRIDGE		

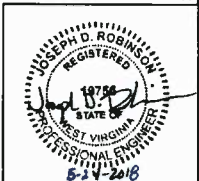
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10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.

SCALE IN FEET  
0 30 60



EROSION AND SEDIMENT CONTROL PLAN

DATE:	MAY 2018	DRAWN BY:	DBS
DWG SCALE:	AS SHOWN	CHECKED BY:	JDR
PROJECT NO.:	182-287	APPROVED BY:	JDR

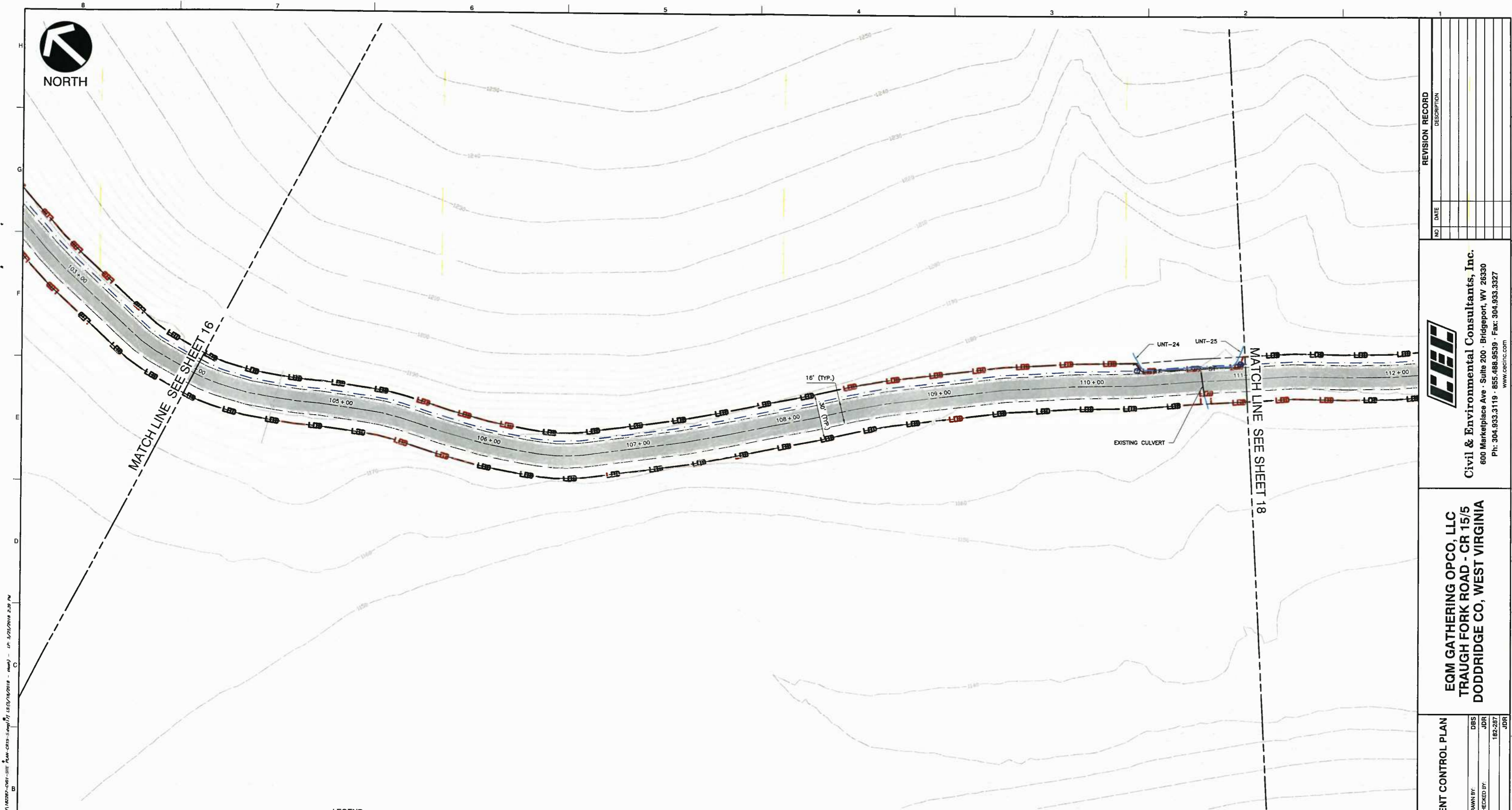
DRAWING NO. **16**  
SHEET 16 OF 21

NO.	DATE	DESCRIPTION

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**DODDRIDGE CO, WEST VIRGINIA**





NO	DATE	DESCRIPTION

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**EROSION AND SEDIMENT CONTROL PLAN**  
 DATE: MAY 2018 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

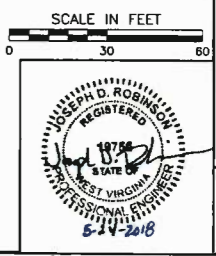
DRAWING NO: **17**  
 SHEET 17 OF 21

LEGEND	
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— 10' —	EXISTING CONTOUR (INTER)
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— — —	EXISTING ROADS (PAVED)
— — —	EXISTING CULVERT
— — —	EXISTING STREAM
— — —	EXISTING WETLAND
— — —	EXISTING ROAD RIGHT-OF-WAY
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— — —	EXISTING GAS LINE
— — —	EXISTING WATER LINE
— — —	EXISTING RAILROAD
— — —	EXISTING PAVED SURFACE WITH REPAIRS
— — —	EXISTING BRIDGE
— — —	EXISTING UTILITY POLE
— — —	EXISTING ROADSIDE DITCH
— — —	PROPOSED LIMITS OF DISTURBANCE
— — —	PROPOSED ROCK CHECK DAM
— — —	PROPOSED ROADSIDE DITCH
— — —	PROPOSED EDGE OF ROAD
— — —	PROPOSED SILT FENCE
— — —	PROPOSED ROAD DESIGN CENTERLINE
— — —	PROPOSED GRAVEL SURFACE
— — —	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE

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- PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.





NORTH

MATCH LINE SEE SHEET 17

MATCH LINE SEE SHEET 19

LEGEND

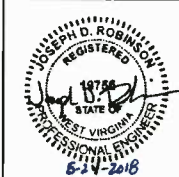
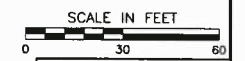
EXISTING INDEX CONTOUR	EXISTING UTILITY POLE
EXISTING CONTOUR (INTER)	EXISTING ROADSIDE DITCH
EXISTING ROADS (UNPAVED)	PROPOSED LIMITS OF DISTURBANCE
EXISTING ROADS (PAVED)	PROPOSED ROCK CHECK DAM
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EXISTING ROAD RIGHT-OF-WAY	PROPOSED ROAD DESIGN CENTERLINE
EXISTING OVERHEAD UTILITY	PROPOSED GRAVEL SURFACE
EXISTING GAS LINE	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
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9. SEE MISCELLANEOUS DETAIL SHEET FOR MORE DETAIL ON PLACEMENT OF BMPs FOR DITCH LINE AND STREAMS.
10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.



NO.	DATE	DESCRIPTION

**CEC**  
**Civil & Environmental Consultants, Inc.**  
 600 Marketplace Ave. · Suite 200 · Bridgeport, WV 26330  
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 www.cecinc.com

**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

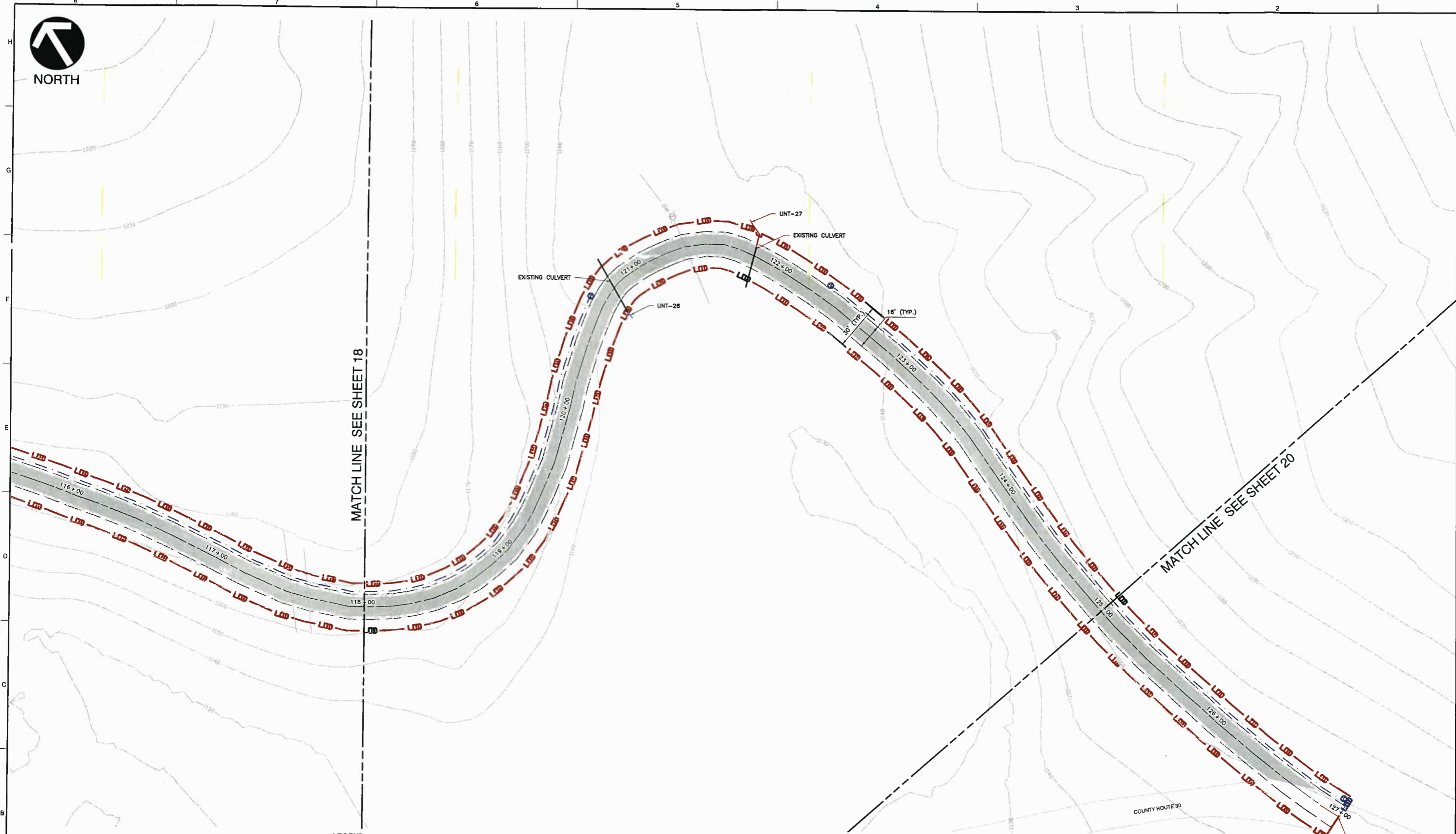
<b>EROSION AND SEDIMENT CONTROL PLAN</b>	
DATE: MAY 2018	DRAWN BY: DBS
DWG SCALE: AS SHOWN	CHECKED BY: JDR
PROJECT NO: 182-287	APPROVED BY: JDR
DRAWING NO: <b>18</b>	
SHEET 18 OF 21	

13/018/182-287-0001.dwg (11:02:11 AM) 11-02-18 5:11 PM 11/13/2018 5:11 PM 11/13/2018 5:11 PM





NORTH



MATCH LINE SEE SHEET 18

MATCH LINE SEE SHEET 20

LEGEND

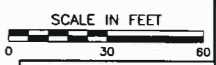
	EXISTING INDEX CONTOUR		EXISTING UTILITY POLE
	EXISTING CONTOUR (INTERIOR)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
	EXISTING WETLAND		PROPOSED SILT FENCE
	EXISTING ROAD RIGHT-OF-WAY		PROPOSED ROAD DESIGN CENTERLINE
	EXISTING OVERHEAD UTILITY		PROPOSED GRAVEL SURFACE
	EXISTING GAS LINE		PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING WATER LINE		
	EXISTING RAILROAD		
	EXISTING PAVED SURFACE WITH REPAIRS		
	EXISTING BRIDGE		

REFERENCE

1. TOPOGRAPHIC INFORMATION ARE DERIVED FROM GIS DATABASE. ACCURACY IS NOT VERIFIED.
2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

MAINTENANCE AND SEEDING NOTES

1. AT A MINIMUM, INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROLS WILL BE CONDUCTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER OF RAINFALL IN 24 HOURS.
2. EXCEPT AS NOTED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
3. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
4. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
5. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDING IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
6. A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION AND SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITY HOURS AND STRICTLY ADHERED TO.
7. EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAXIMIZED THROUGH RAPID STABILIZATION OF THE DISTURBED AREAS AND BY INSTALLATION OF BEST MANAGEMENT PRACTICES (BMPs), AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.
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10. PROVIDE POSITIVE DRAINAGE IN DITCHLINES TO BE CLEANED.



EROSION AND SEDIMENT CONTROL PLAN

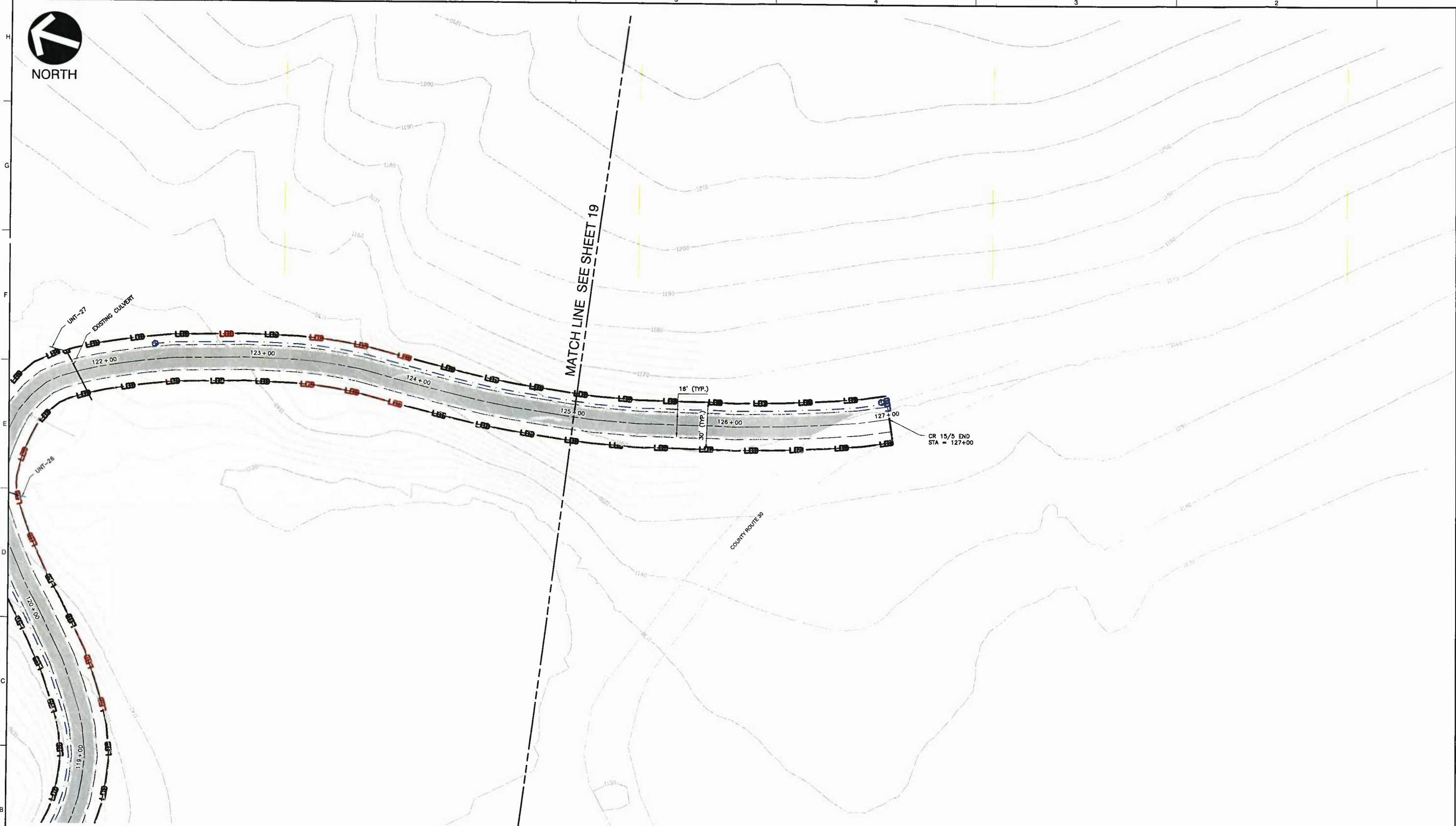
DATE:	MAY 2018	DRAWN BY:	DBS
DWG SCALE:	AS SHOWN	CHECKED BY:	JDR
PROJECT NO.:	182-287	APPROVED BY:	JDR

DRAWING NO.: 19 SHEET 19 OF 21

NO.	DATE	DESCRIPTION

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 TRAUGH FORK ROAD - CR 15/5  
 DODDRIDGE CO, WEST VIRGINIA



**REFERENCE**

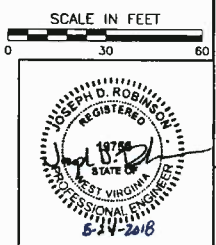
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2. ROAD CENTERLINE AND PLANIMETRICS DERIVED FROM GIS DATA SOURCES. ACCURACY IS NOT VERIFIED.

**LEGEND**

	EXISTING INDEX CONTOUR		EXISTING UTILITY POLE
	EXISTING CONTOUR (INTER)		EXISTING ROADSIDE DITCH
	EXISTING ROADS (UNPAVED)		PROPOSED LIMITS OF DISTURBANCE
	EXISTING ROADS (PAVED)		PROPOSED ROCK CHECK DAM
	EXISTING CULVERT		PROPOSED ROADSIDE DITCH
	EXISTING STREAM		PROPOSED EDGE OF ROAD
	EXISTING WETLAND		PROPOSED SILT FENCE
	EXISTING ROAD RIGHT-OF-WAY		PROPOSED ROAD DESIGN CENTERLINE
	EXISTING OVERHEAD UTILITY		PROPOSED GRAVEL SURFACE
	EXISTING GAS LINE		PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
	EXISTING WATER LINE		
	EXISTING RAILROAD		
	EXISTING PAVED SURFACE WITH REPAIRS		
	EXISTING BRIDGE		

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**REVISION RECORD**

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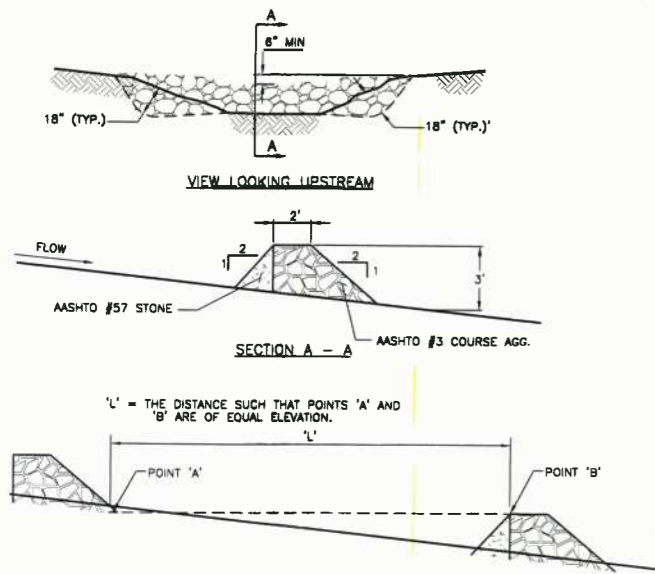
**EQM GATHERING OPCO, LLC**  
**TRAUGH FORK ROAD - CR 15/5**  
**DODDRIDGE CO, WEST VIRGINIA**

**EROSION AND SEDIMENT CONTROL PLAN**

DATE: MAY 2018 DRAWN BY: DBS  
 DWG SCALE: AS SHOWN CHECKED BY: JDR  
 PROJECT NO: 182-287  
 APPROVED BY: JDR

DRAWING NO: **20**  
 SHEET 20 OF 21



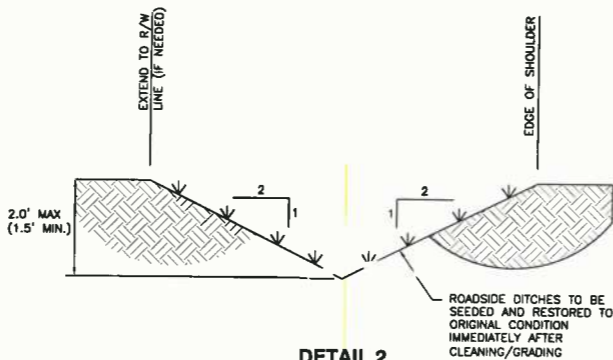


**SPACING BETWEEN CHECK DAMS**

- NOTES:**
1. KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW AROUND DAM.
  2. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE HEIGHT OF THE FILTERS.
  3. IMMEDIATELY UPON STABILIZATION OF EACH CHANNEL, REMOVE ACCUMULATED SEDIMENT, REMOVAL ROCK FILTER, AND STABILIZE DISTURBED AREAS.
  4. REFER TO WV DEP BEST MANAGEMENT PRACTICES FOR OIL AND GAS WELL SITE CONSTRUCTION MANUAL FOR MORE INFORMATION.

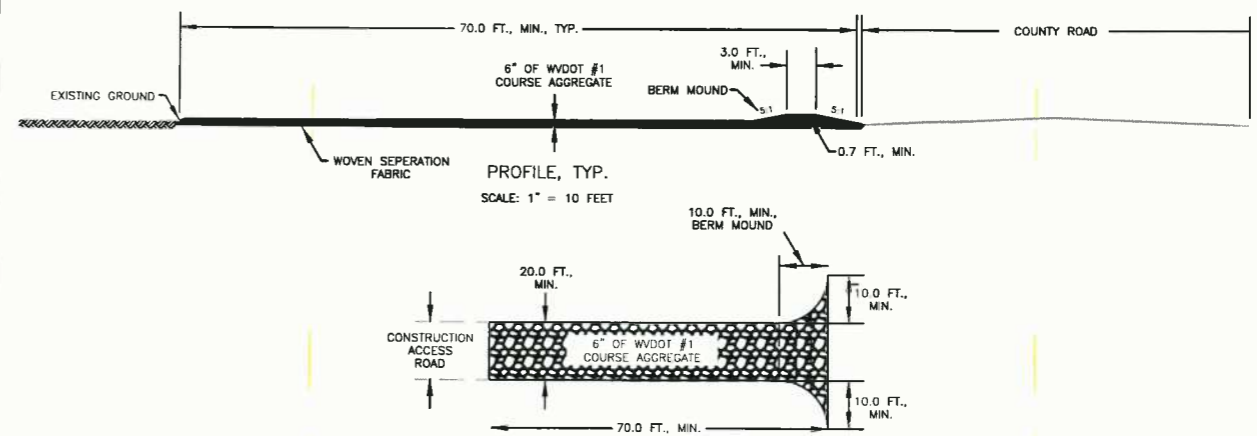
**DETAIL 1  
ROCK CHECK DAM**

NOT TO SCALE



**DETAIL 2  
ROADSIDE DITCH**

NOT TO SCALE



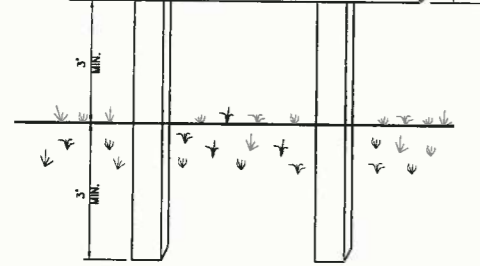
**DETAIL 3  
STABILIZED CONSTRUCTION ENTRANCE**

NOT TO SCALE

- NOTE:**
1. TEMPORARY STONE CONSTRUCTION ENTRANCES TO BE INSTALLED WHERE CONSTRUCTION ACCESS ROADS ADJOIN PAVED PUBLIC HIGHWAYS.

For info on NPDES Stormwater Permit To comment on Sediment Control Plan Call: 800-654-5227 or DEP.Plan@wv.gov DEP 601 57th Street, SE, Charleston, WV 25304 Application Date: 05/25/2018

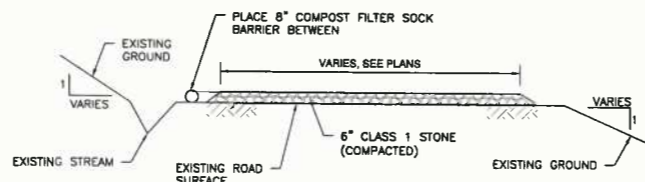
EQM GATHERING OPCO, LLC  
TRAUGH FORK ROAD  
COUNTY ROUTE 15/5 IMPROVEMENTS  
Contact: (304)-848-0061



**DETAIL 4  
PUBLIC NOTICE SIGN DETAIL**

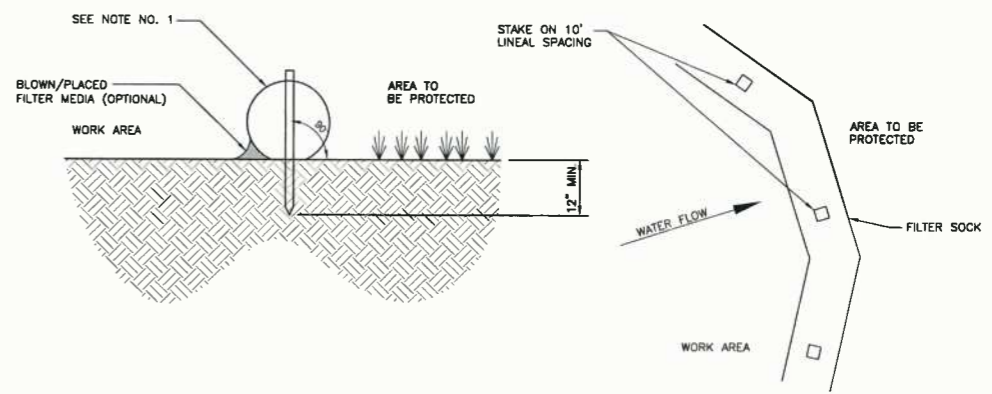
NOT TO SCALE

- NOTES:**
1. THE PERMIT SIGN MUST BE LOCATED NEAR THE CONSTRUCTION ENTRANCE OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
  2. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
  3. CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
  4. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
  5. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE PERMIT SIGN.



**DETAIL 5  
GRAVEL OVERLAY ROAD - TYPICAL SECTION  
DETAIL - WITH STREAM**

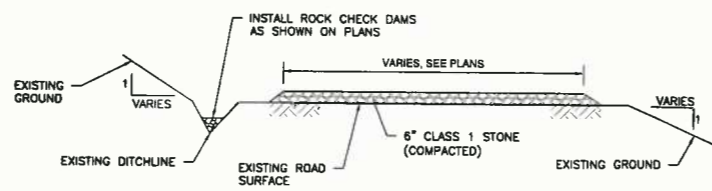
NOT TO SCALE



**DETAIL 7  
COMPOST FILTER SOCK**

NOT TO SCALE

- NOTE:**
1. COMPOST FILTER SOCK TO BE FILTERXX SILTSOXX OR APPROVED EQUIVALENT.
  2. 12", 18", 24", and 32" COMPOST FILTER SOCK TO BE USED. SEE PLAN SHEET FOR SIZES AND LOCATIONS.
  3. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE COMPOST FILTER SOCK.
  4. COMPOST FILTER SOCK SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED COMPOST FILTER SOCK SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
  5. COMPOST FILTER SOCK SHALL BE INSTALLED ON THE CONTOUR, PERPENDICULAR TO FLOW.



**DETAIL 6  
GRAVEL OVERLAY ROAD - TYPICAL SECTION  
DETAIL - WITH DITCH**

NOT TO SCALE

NO.	DATE	DESCRIPTION

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**MISCELLANEOUS DETAILS**

DATE: MAY 2018  
DRAWN BY: JDR  
AS SHOWN  
CHECKED BY: JDR  
PROJECT NO: 182-287  
APPROVED BY: JDR

