

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: #18-532

Date Approved: November 26, 2018 **Expires: November 26, 2019**

Issued to: Antero Resources

POC: Rachel McKinney

Company Address: 535 White Oaks Blvd. Bridgeport, WV 26330

Project Address: Oxford Road

Firm: 54017C0225C

**Lat/Long: 39.258219N, -80.841793W to
39.206391N, -80.859431W**

Purpose of Development: Road Upgrade

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

Date: November 26, 2018

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

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.

1. Article Addressed to:

I. L. (Ike) Morris
P.O. Box 397
Glenville, WV 26351



9590 9402 3685 7335 7557 60

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 Jackie Swiger Agent Addressee

B. Received by (Printed Name)
 Jackie Swiger

C. Date of Delivery
 10-15-18

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 2853

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee
 \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postmark Here

Postage
 \$.50

Total Postage and Fees
 \$ 6.70

Sent To
 Steven L. & Ava C. Smith
 Street and Apt. No., or PO Box No.
 25 Taylor Drain Rd.
 City, State, ZIP+4®
 West Union WV 26456 18-532

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

7016 2070 0000 3170 2860

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Certified Mail Fee
 \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

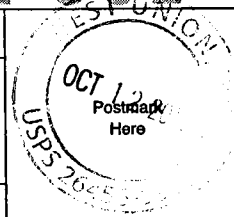
Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$



Postage
 \$.50

Total Postage and Fees
 \$ 6.70

Sent To
 Elmamae & Juanita May Leggett
 Street and Apt. No., or PO Box No.
 5094 Oxford Rd.
 City, State, ZIP+4®
 West Union WV 26456 18-532

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

7016 2070 0000 3170 2877

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee
 \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$



Postage
 \$.50

Total Postage and Fees
 \$ 6.70

Sent To
 James E. Webb
 Street and Apt. No., or PO Box No.
 815 Cabin Run Rd.
 City, State, ZIP+4®
 West Union WV 26456 18-532

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

7016 2070 0000 3170 2884

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OFFICIAL USE

Certified Mail Fee
 \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

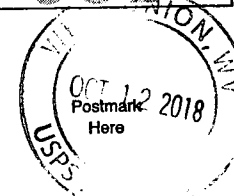
Return Receipt (hardcopy) \$ 2.75

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$



Postage
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Total Postage and Fees
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Sent To
 I. L. (Ike) Morris
 Street and Apt. No., or PO Box No.
 P.O. BOX 397
 City, State, ZIP+4®
 Glenville WV 26351 18-532

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

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- Complete items 1, 2, and 3.
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James E. Webb
813 Cabin Run Road
West Union, WV 26456



9590 9402 3685 7335 7557 53

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

James Webb

Agent

Addressee

B. Received by (Printed Name)

James Webb

C. Date of Delivery

10/17/18

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

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) | |

USPS TRACKING#
CHARLESTON



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

9590 9402 3685 7335 7557 53

**United States
Postal Service**

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

**Doddridge County Office of Emergency Management
George Eidel, Floodplain Manager
105 Court Street, Suite 3
West Union, WV 26456**

18-532



SENDER: COMPLETE THIS SECTION

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- 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: _____

Steven L. & Ava C. Smith
25 Taylor Drain Road
West Union, WV 26456



9590 9402 3685 7335 7557 39

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
 Addressee

B. Received by (Printed Name)

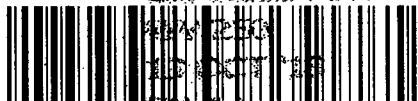
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- | | |
|--|---|
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| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
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| <input type="checkbox"/> 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) | |

USPS TRACKING#



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

9590 9402 3685 7335 7557 39

United States
Postal Service

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

**Doddridge County Office of Emergency Management
George Eidel, Floodplain Manager
105 Court Street, Suite 3
West Union, WV 26456**

18-532

-201205





ANTERO RESOURCES
1615 WYNKOOP STREET
DENVER, COLORADO 80202

COPY

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Nov-06-2018	193231	\$1,650.00

INV #	INV DATE	DESCRIPTION	AMOUNT	DISCOUNTS	NET AMOUNT
ML11062018	11/06/18	FLOODPLAIN PERMIT OXFORD ROAD UPGRA	1,650.00	0.00	1,650.00

FP # 18-532

COPY

COPY

COPY

NOV13 10 1:22PM

COPY

TOTAL INVOICES PAID ==> 1,650.00 0.00 1,650.00

DETACH AND RETAIN FOR TAX PURPOSES

THIS CHECK HAS A COLORED FACE ON WHITE STOCK AND AN ARTIFICIAL WATERMARK ON THE BACK



ANTERO RESOURCES
1615 WYNKOOP STREET
DENVER, COLORADO 80202

Wells Fargo
Denver, CO

AP - 400

Check No. 193231

11-24
412

COPY

Void After 90 Days

COPY

CHECK NUMBER	DATE	PAY EXACTLY
193231	Nov-06-2018	\$1,650.00

PAY EXACTLY \$1,650dols00cts

One Thousand Six Hundred Fifty Dollars and Zero Cents

TO
THE
ORDER
OF

DODDRIDGE COUNTY COMMISSION
108 COURT ST STE 1~
WEST UNION, WV 26456

COPY

[Signature]

COPY

⑈ 193231 ⑈ ⑆ 041203824⑆

9647481952⑈

FLOODPLAIN PERMIT #18-532

Antero Resources Oxford Rd Upgrade - 39.258219N,-80.841793W/to/39.206391N,-80.859431W

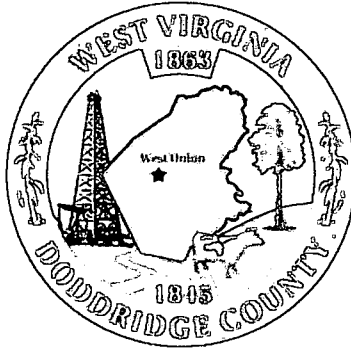
TASK	COMPLETE (DATE)	NOTES
CHECK RECEIVED	11/13/18	
US ARMY CORP. ENGINEERS (USACE)		
US FISH & WILDLIFE SERVICES (USFWS)		
WV DEPT. NATURAL RESOURCES (WVDNR)		
WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)		
STATE HISTORIC & PRESERVATION OFFICE (SHPO)		
OFFICE of LAND & STREAM (OLS)		
DATE OF COMMISSION READING	11/6/2018	
DATE AVAILABLE TO BE GRANTED	11/26/2018	
PERMIT GRANTED	11/11	
COMPLETE		

7016 2070 0000 3170 2853

7016 2070 0000 3170 2860

7016 2070 0000 3170 2877

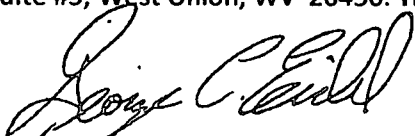
7016 2070 0000 3170 2884



Doddridge County Floodplain Permits

(Week of October 22, 2018)

Please take notice that on the 11th of **October, 2018**, **Antero Resources** filed an application for a Floodplain Permit (#18-532) to develop land located at or about **Oxford Road; Coordinates: 39.258219N, -80.841793W /to/ 39.206391N, -80.859431W**. 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 **(November 26, 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 the upgrading of Oxford Road**



GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager



Antero Resources
535 White Oaks Blvd.
Bridgeport, WV 26330
Office 304.842.4100
Fax 304.842.4102

October 9, 2018

Doddridge County Commission
Attn: George Eidel, Doddridge County Floodplain Manager
105 Court Street, Suite 3
West Union, WV 26456

OCT11 18 1:49PM

Mr. Eidel:

Antero Resources Corporation would like to submit a Doddridge County Floodplain permit application for our *Oxford Road Upgrade*. Our project is located in Doddridge County, where the road upgrade begins at approximate coordinates 39.258219W, 80.841793W and continues to approximate coordinates 39.206391N,-80.859431W.

Per the FIRM Maps #54017C0115C, and #54017C0225C this location is in the floodplain.

Attached you will find the following:

- Doddridge County Floodplain Permit Application
- WV Flood Tool Map
- FIRM Maps
- HEC-RAS Study
- Design Plans

If you have any questions please feel free to contact me at (304) 842-4008.

Thank you in advance for your consideration.

Sincerely,

Rachel McKinney
Environmental Specialist II
Antero Resources Corporation

Enclosures



Permit# 18-532
Project Name: Oxford Rel Upgrade
Permittees Name: Antero

OCT11 18 1:49PM

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 10/10/18

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Antero Resources Corporation and EQT Production Company		
Corporate Mailing Address: 1615 Wynkoop Street		
City: Denver	State: CO	Zip: 80202
Corporate Point of Contact (POC):		
Corporate POC Title:		
Corporate POC Primary Phone:		
Corporate POC Primary Email:		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: www.anteroresources.com		
Local Mailing Address: 535 White Oaks Blvd		
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: Rachel McKinney		
Applicant Title: Environmental Specialist II		
Applicant Primary Phone: (304) 842-4008		
Applicant Secondary Phone: (304) 641-2396		
Applicant Primary Email: rmckinney@anteroresources.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.

Project Narrative:
The Oxford Road County Route Rehabilitation project is located within the West Virginia Division
of Highways Right-of-Way on Doddridge County Route 21, beginning at the intersection with
Doddridge County Route 50/30 and extending south approximately 5.4 miles. A portion of the
project is located within the South Fork Hughes River Zone A Flood Hazard Area, according to the
Flood Insurance Rate Maps (FIRMs) for Doddridge County, Map Panels 54017C0225C and
54017C0115C, with a map revised date of October 4, 2011. The proposed work that will take
place in the floodplain consists of milling the existing pavement to a depth of three (3) inches
and repaving the road with seven (7) inches of hot-mix asphalt, which will raise the road
surface by a total of four (4) inches. Please see the included hydraulic study and compliance
certificate.

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

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

B. OTHER DEVELOPMENT ACTIVITIES:

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

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

Property Designation: 1 of 1

Site/Property Information:		
Legal Description: N/A		
Physical Address/911 Address: WVDOH CR 21 (Oxford Road)		
Decimal Latitude/Longitude: 39.208414/-80.854686		
DMS Latitude/Longitude: 39° 12' 30.29" / -80° 51' 16.87"		
District: 07	Map: 04	Parcel: N/A
Land Book Description: N/A		
Deed Book Reference: N/A		
Tax Map Reference: N/A		
Existing Buildings/Use of Property: County Road		

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

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

Property Designation: <u> 1 </u> of <u> 1 </u>
--

Property Owner Data:		
Name of Primary Owner (PO): West Virginia Division of Highways		
PO Address: 1900 Kanawha Blvd E		
City: Charleston	State: WV	Zip: 25305
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

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

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

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Contractor Data:

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

Property Designation: ____ of ____

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

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

Adjacent and/or Affected Landowners Data

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

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): WEBB JAMES E ETAL		
Physical Address: 813 CABIN RUN RD		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): LEGGETT ELMA MAE & JUANITA MAY (LIFE)		
Physical Address: 5094 OXFORD RD		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): SMITH STEVEN L & AVA C (SURV)		
Physical Address: 25 TAYLOR DRAIN RD		
City: WEST UNION	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): MORRIS I L (IKE)		
Physical Address: PO BOX 397		
City: GLENVILLE	State: WV	Zip: 26351
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 accessroads)*
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: _____

L. Shelton Barger, Jr.

Date: _____

10/10/18

Applicant Printed Name: _____

L. Shelton Barger, Jr.



October 9, 2018

Doddridge County Office of Emergency Management
Attention: Mr. George Eidel
105 Court Street Suite 3
West Union, WV 26456-2095

Subject: Antero Resources Corporation and EQT Production Company
Oxford Road County Route Rehabilitation
Compliance Certificate
Doddridge County, West Virginia
CEC Project 183-735

Civil & Environmental Consultants, Inc. (CEC) is pleased to evaluate the potential floodplain impacts for the above referenced project on behalf of Antero Resources Corporation and EQT Production Company. The proposed project involves the rehabilitation of County Route 21 (Oxford Road). A portion of the project is located within the South Fork Hughes River Zone A Flood Hazard Area, according to the Flood Insurance Rate Maps (FIRMs) for Doddridge County, Map Panels 54017C0225C and 54017C0115C, with a map revised date of October 4, 2011. The proposed work that will take place in the floodplain consists of milling the existing pavement to a depth of three (3) inches and repaving the road with seven (7) inches of hot-mix asphalt, which will raise the road surface by a total of four (4) inches.

An abbreviated hydraulic study was performed in HEC-RAS to analyze the potential for adverse effects due to the proposed work and the potential impacts to the water level and floodplain of the South Fork Hughes River. Two analyses were performed in this study: an existing conditions analysis and a proposed conditions analysis. The existing conditions model was created using cross-sections based on existing topography along the centerline of the South Fork Hughes River. The drainage area for the study area was determined to be approximately 12.8 square miles, and the United States Geological Survey (USGS) Regression Equations were used to calculate the 100-year discharge. Based on the existing topography, the average slope of the stream channel was determined to be approximately 0.0014 ft/ft. These values were used as the flow rate and boundary condition in the steady flow data for the model. In the proposed conditions model, the geometries of the cross-sections were modified to reflect the proposed fill associated with repaving Oxford Road. By comparing the results from the two analyses, the effects of the proposed work on the 100-year water levels of the South Fork Hughes River were determined. The results indicate that the proposed rehabilitation will increase the base flood elevation in the South Fork Hughes River by a maximum of 0.02 feet. This rise does not cause an impact to any upstream structures. Since the proposed work takes place within a Zone A Flood Hazard Area, the allowable rise of the 100-year flood level is less than one foot, according to FEMA criteria. Thus, the project is in compliance with FEMA criteria as well as the Doddridge County Floodplain Ordinance.



This compliance 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 Greg Linder at 304-933-3119 or via e-mail at glinder@cecinc.com or contact Mrs. Rachel McKinney at 304-842-4008 or via e-mail at rmckinney@anteroresources.com if you have questions or need additional information.

Respectfully submitted,

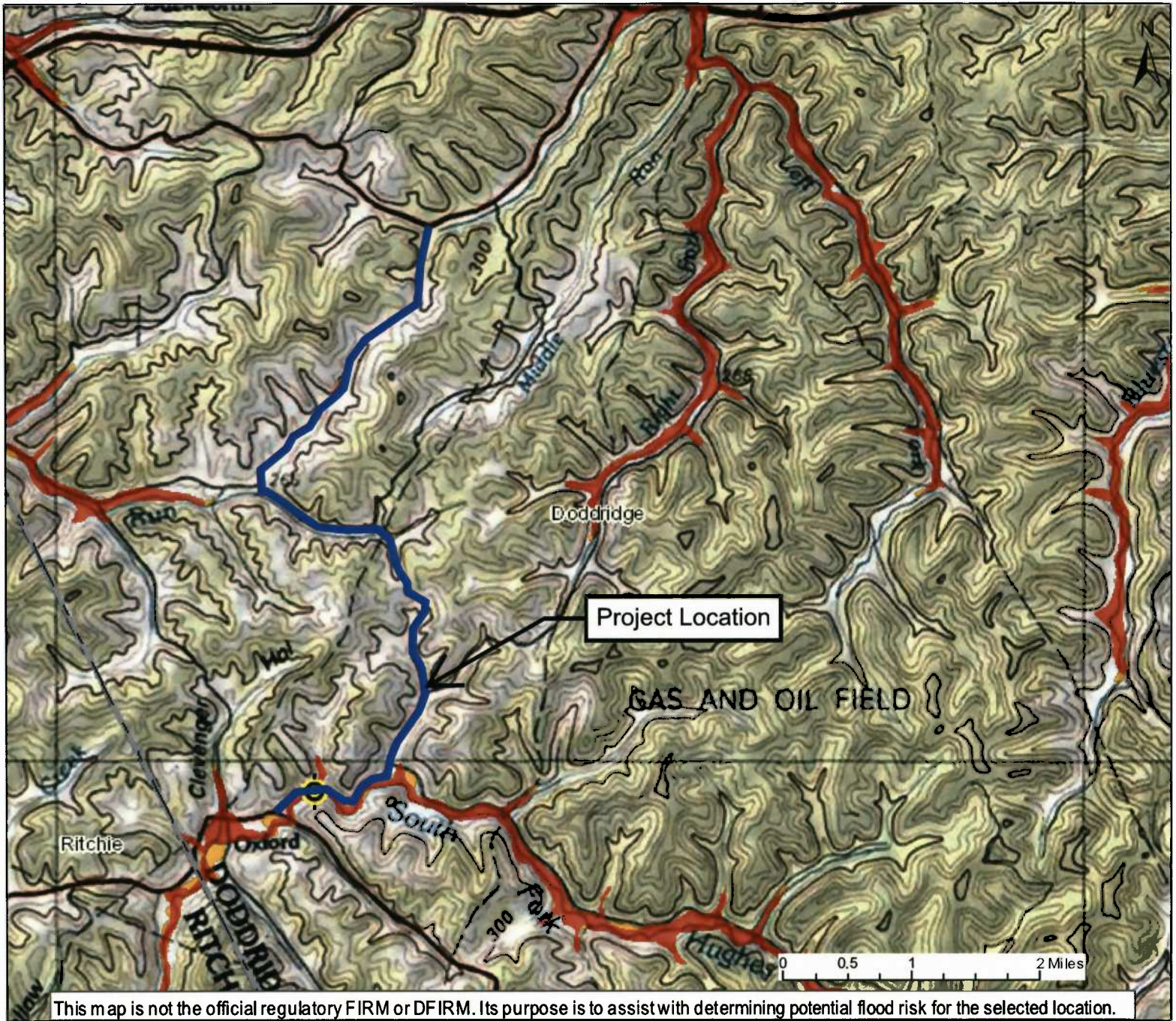
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Andrew P. Darnell, E.I.T.
Assistant Project Manager

Gregory S. Linder, P.E.
Principal



WV Flood Map



Map created on 10/8/2018

 Flood Info Location

User Notes:
 OXFORD ROAD
 COUNTY ROUTE
 REHABILITATION

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.
 Advisory Flood Heights available.

Flood Hazard Zone: A (Advisory A)

Stream: South Fork Hughes River

Watershed (HUC8): Little Kanawha (5030203)

FEMA Flood Map: 54017C0225C **EFF:** 10/4/2011

Elevation: About 814 ft (Source: SAMS 2003)

Community Name: Doddridge County

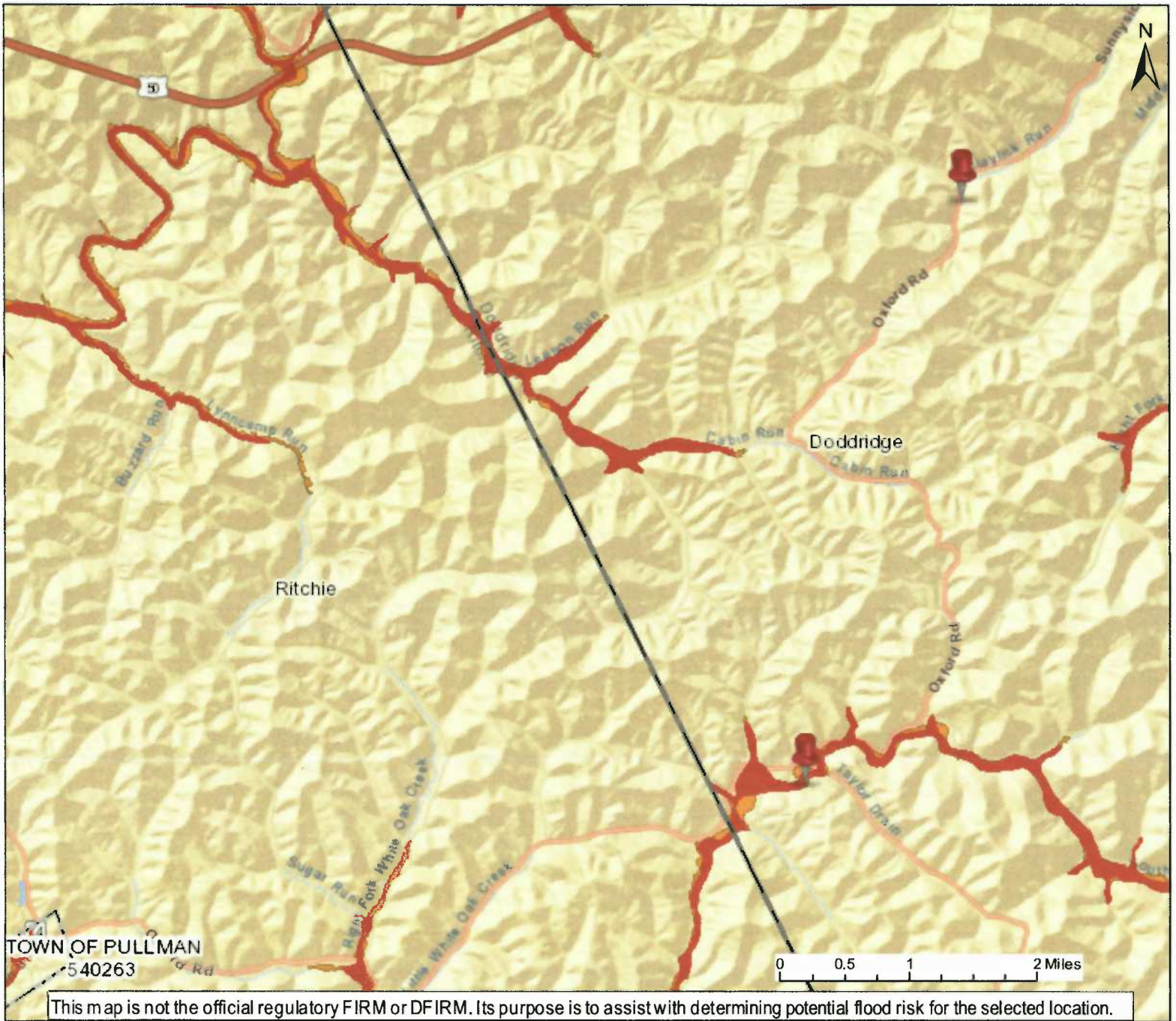
Community ID: 540024

Location (long, lat): (-80.855118, 39.208071)

Parcel ID: 09-07-0004-0028-0000

Address: multiple addresses

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 10/11/2018

Flood Info Location

User Notes:

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:

Flood Hazard Area:

Flood Hazard Zone:

Stream:

Watershed (HUC8):

FEMA Flood Map:

EFF:

Elevation: (Source:)

Community Name:

Community ID:

Location (long, lat):

Parcel ID:

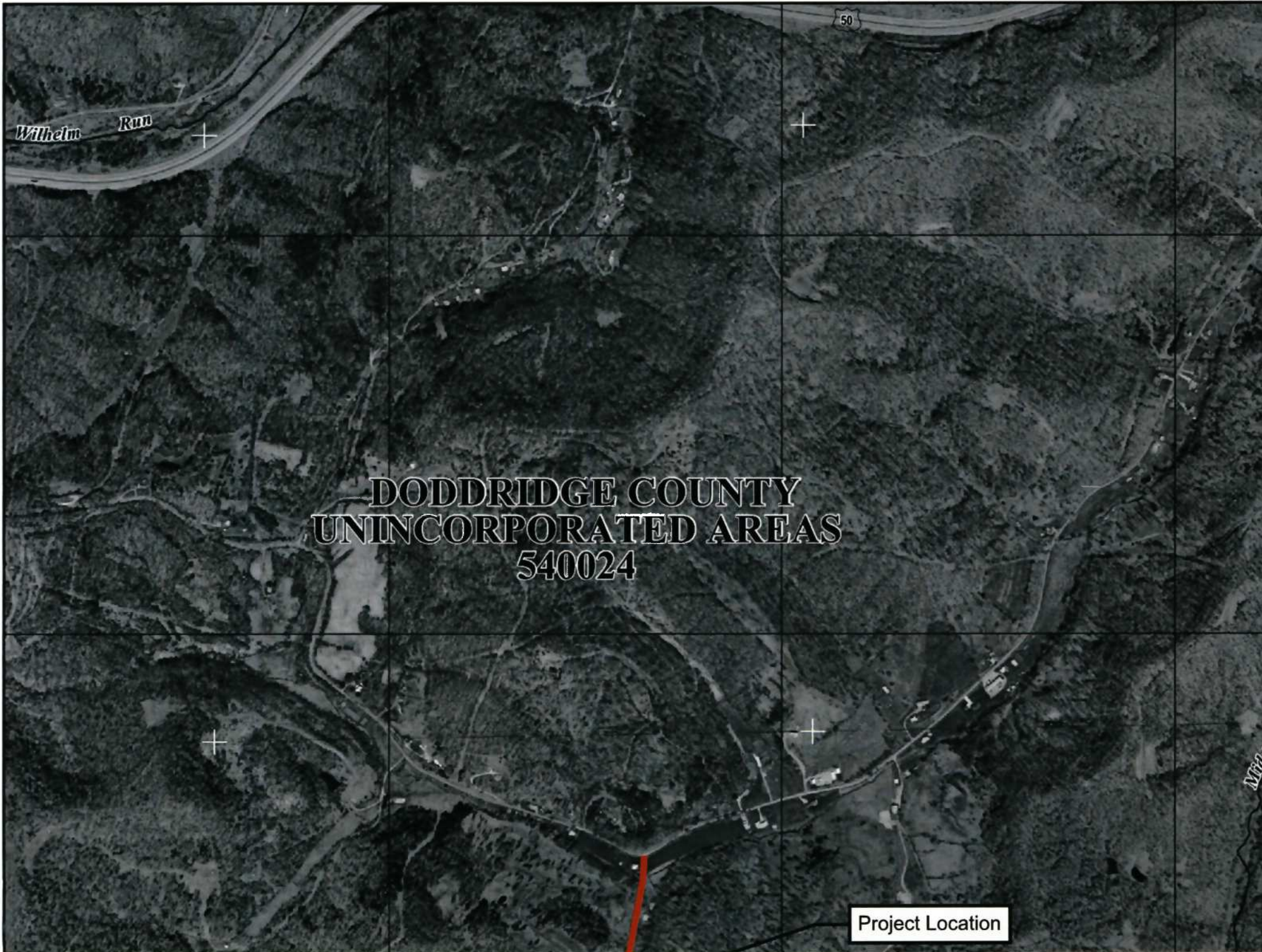
Address:

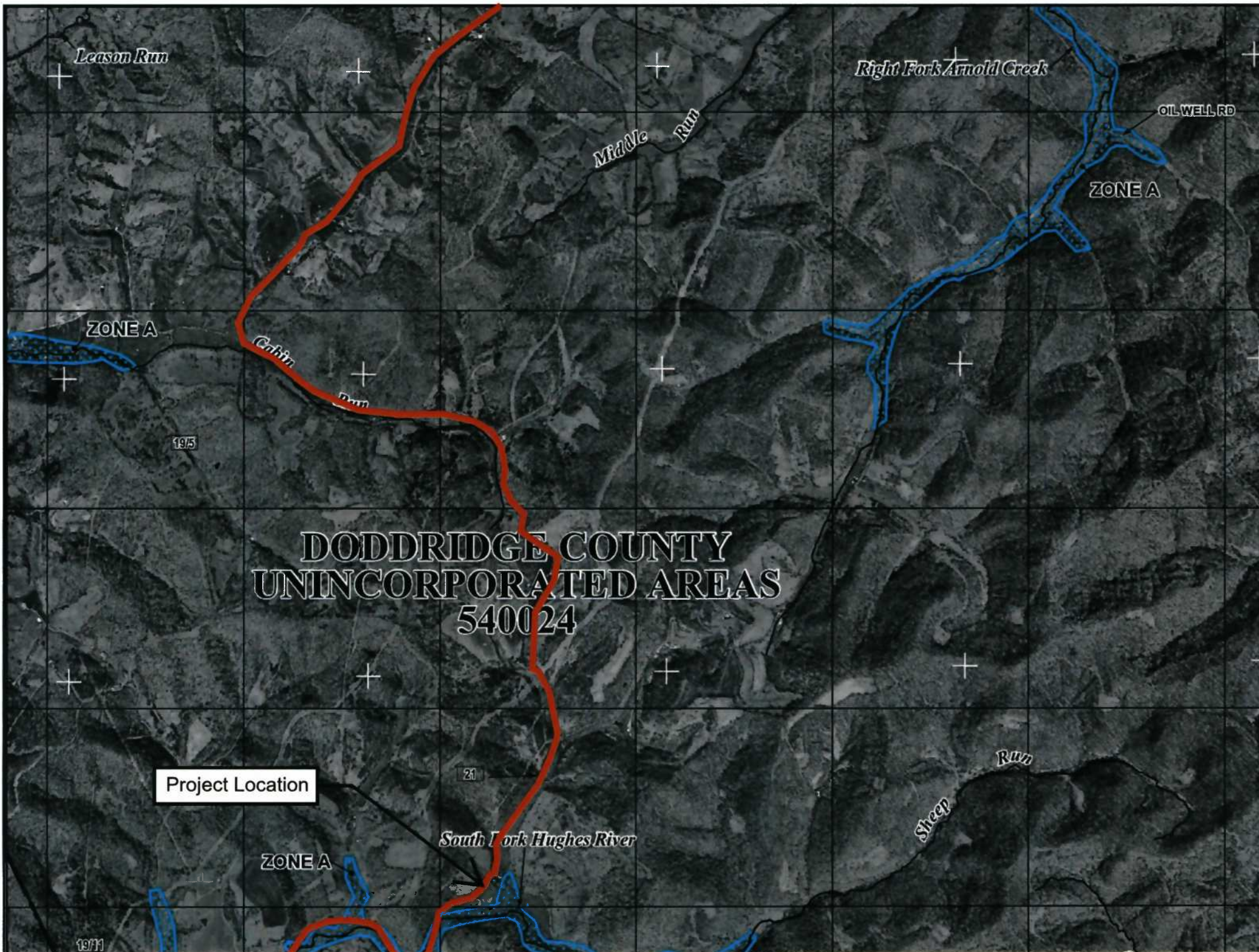
Wilhelm Run

50

**DODDRIDGE COUNTY
UNINCORPORATED AREAS
540024**

Project Location





Leason Run

Right Fork Arnold Creek

Middle Run

OILWELL RD

ZONE A

ZONE A

**DODDRIDGE COUNTY
UNINCORPORATED AREAS
540024**

Project Location

South Fork Hughes River

ZONE A

Sheep Run

1911

1915

21

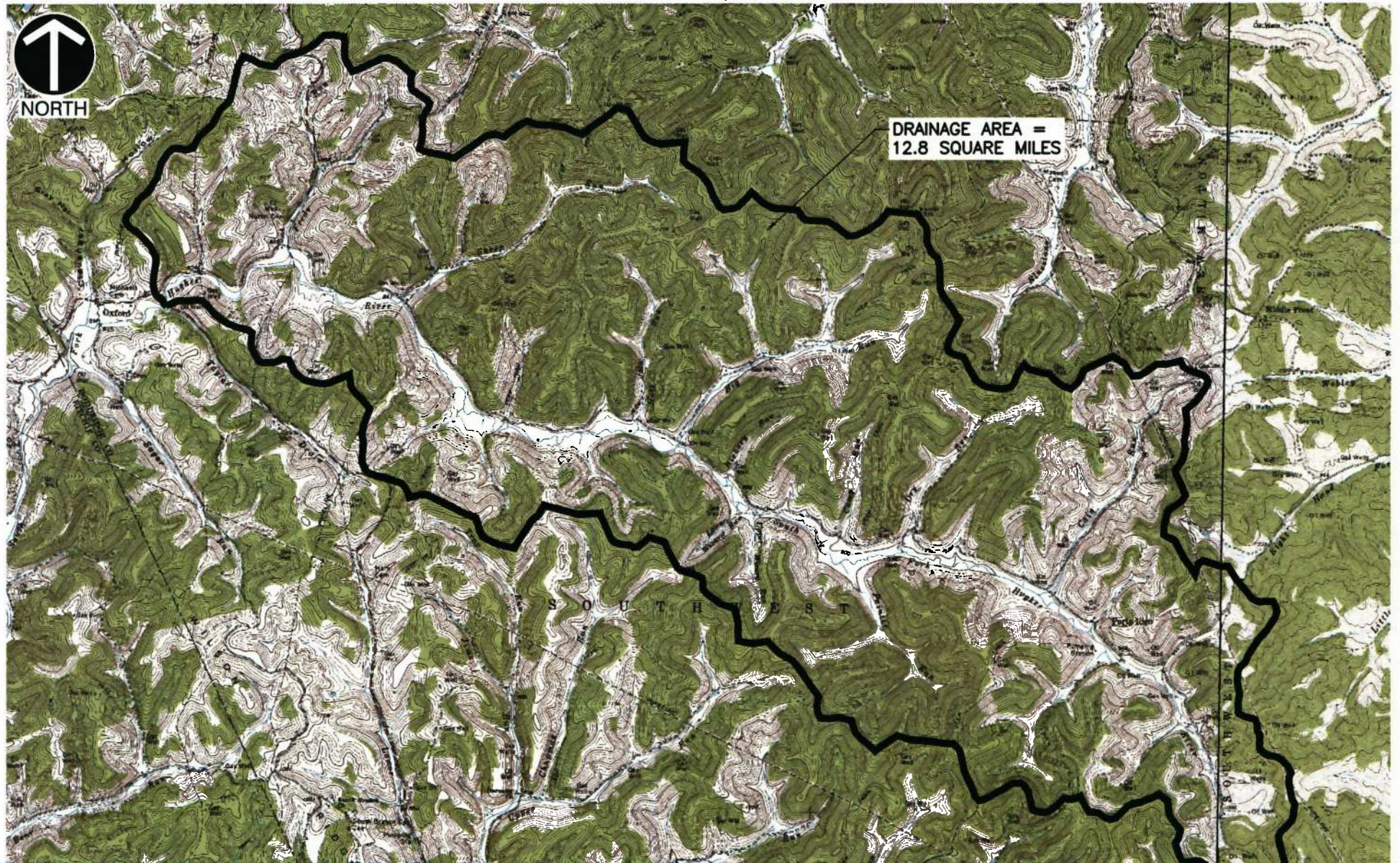
USGS LOCATION MAP

SCALE: 1" = 4,000 FT.

0' 4,000' 8,000'



NORTH



PREPARED ON BEHALF OF:
ANTERO RESOURCES CORPORATION AND
EQT PRODUCTION COMPANY

PROJECT NO.
183-735

PROJECT NAME:
OXFORD ROAD COUNTY
ROUTE REHABILITATION

DATE:
OCTOBER 2018

SCALE:
AS SHOWN



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330

Ph: 304.933.3119 · Fax: 304.933.3327

www.cecinc.com



PROJECT Oxford Road

PROJECT NO. 183-735

PAGE 1 OF 1

PREPARED BY APD

DATE 10/9/18

CHECKED BY GSL

DATE 10-9-18

Drainage Area = 8,196 acres = 12.8 square miles

USGS Regression Equations - Western Plateaus Region

$$Q_{100} = 557(DA)^{0.674} = (557)(12.8)^{0.674} = 3,105 \text{ cfs}$$

HEC-RAS River: S Fork Hughes Ri Reach: Align (1) Profile: 100 YR

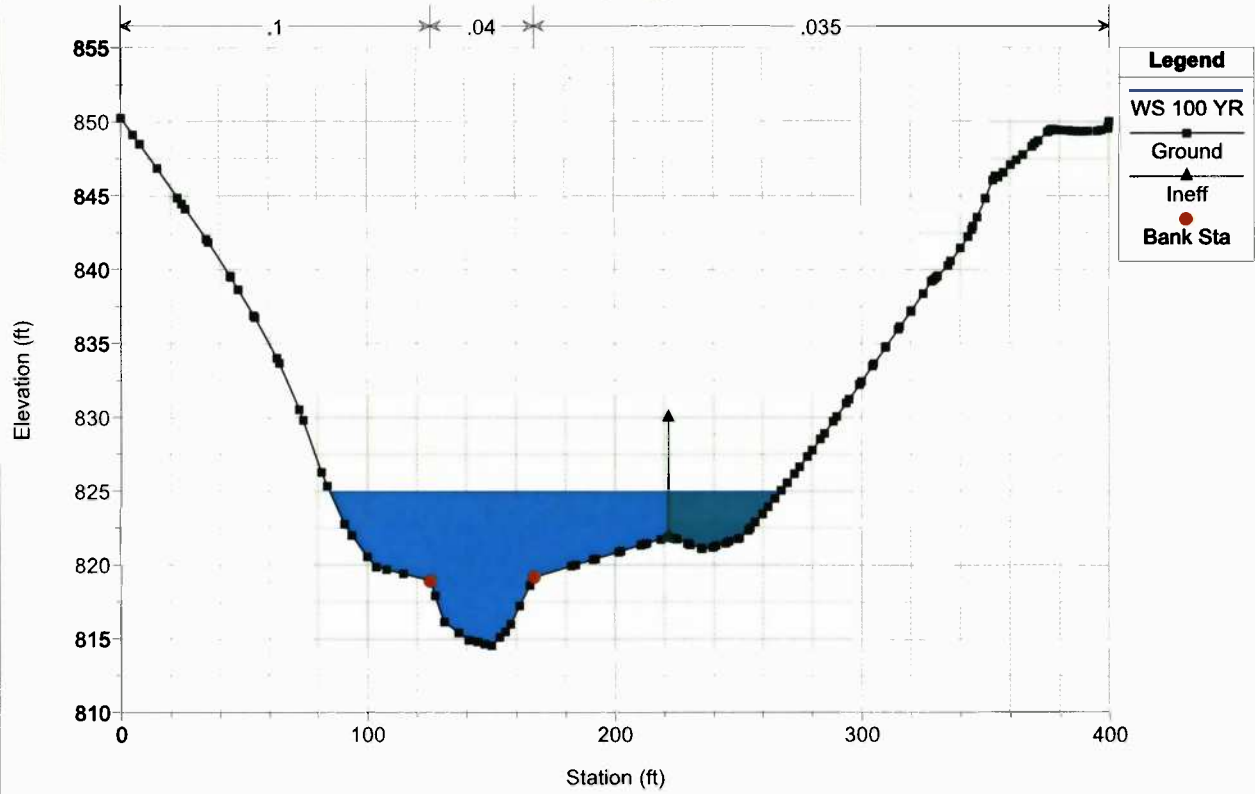
Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq.ft)	Top Width (ft)	Froude # Chl
Align (1)	4600	100 YR	Existing	3105.00	814.52	824.97	821.78	825.30	0.001109	5.22	792.25	182.38	0.31
Align (1)	4600	100 YR	Proposed	3105.00	814.52	824.97	821.78	825.30	0.001108	5.21	792.44	182.39	0.31
Align (1)	4400	100 YR	Existing	3105.00	814.12	824.75	821.29	825.08	0.001145	5.24	777.74	236.47	0.31
Align (1)	4400	100 YR	Proposed	3105.00	814.12	824.75	821.29	825.08	0.001144	5.24	777.92	236.48	0.31
Align (1)	4200	100 YR	Existing	3105.00	815.31	824.18	822.97	824.73	0.002847	6.80	568.59	211.52	0.47
Align (1)	4200	100 YR	Proposed	3105.00	815.31	824.18	822.97	824.73	0.002842	6.79	568.91	211.54	0.47
Align (1)	4000	100 YR	Existing	3105.00	813.88	823.74	821.71	824.23	0.002186	6.15	602.56	185.47	0.40
Align (1)	4000	100 YR	Proposed	3105.00	813.88	823.75	821.70	824.24	0.002181	6.14	603.00	185.49	0.40
Align (1)	3775	100 YR	Existing	3105.00	813.43	823.13	821.48	823.64	0.002786	6.95	684.59	209.67	0.46
Align (1)	3775	100 YR	Proposed	3105.00	813.43	823.13	821.48	823.65	0.002775	6.94	685.58	209.70	0.46
Align (1)	3550	100 YR	Existing	3105.00	812.98	823.08	820.49	823.24	0.000764	3.71	1061.24	369.04	0.24
Align (1)	3550	100 YR	Proposed	3105.00	812.98	823.09	820.49	823.24	0.000761	3.70	1062.87	369.10	0.24
Align (1)	3324.63	100 YR	Existing	3105.00	812.53	822.64	820.98	823.00	0.001833	5.74	795.34	378.11	0.38
Align (1)	3324.63	100 YR	Proposed	3105.00	812.53	822.65	820.98	823.00	0.001817	5.72	797.75	378.24	0.38
Align (1)	3125	100 YR	Existing	3105.00	812.13	822.71	819.58	822.78	0.000340	2.58	1551.30	393.38	0.16
Align (1)	3125	100 YR	Proposed	3105.00	812.13	822.72	819.57	822.79	0.000338	2.57	1554.71	393.67	0.16
Align (1)	2900.05	100 YR	Existing	3105.00	811.68	822.64	819.87	822.71	0.000343	2.68	1564.88	414.82	0.17
Align (1)	2900.05	100 YR	Proposed	3105.00	811.68	822.65	819.88	822.72	0.000340	2.67	1568.51	414.89	0.17
Align (1)	2675.11	100 YR	Existing	3105.00	811.23	822.41	819.01	822.60	0.000659	3.84	1062.21	240.88	0.23
Align (1)	2675.11	100 YR	Proposed	3105.00	811.23	822.43	819.01	822.61	0.000654	3.83	1064.56	240.96	0.23
Align (1)	2450	100 YR	Existing	3105.00	810.78	822.17	819.26	822.40	0.001032	4.89	1038.39	251.39	0.29
Align (1)	2450	100 YR	Proposed	3105.00	810.78	822.19	819.26	822.42	0.001024	4.88	1041.16	251.47	0.29
Align (1)	2250	100 YR	Existing	3105.00	810.23	821.83	818.24	822.17	0.001175	5.17	800.27	220.84	0.31
Align (1)	2250	100 YR	Proposed	3105.00	810.23	821.84	818.24	822.19	0.001185	5.20	794.56	220.87	0.31
Align (1)	2050	100 YR	Existing	3105.00	809.27	821.73		821.96	0.000771	4.34	981.51	190.12	0.26
Align (1)	2050	100 YR	Proposed	3105.00	809.27	821.73		821.97	0.000779	4.36	975.98	190.15	0.26
Align (1)	1850	100 YR	Existing	3105.00	812.44	821.34		821.70	0.002255	6.71	947.90	224.80	0.43
Align (1)	1850	100 YR	Proposed	3105.00	812.44	821.34		821.70	0.002312	6.79	940.21	224.77	0.43
Align (1)	1650	100 YR	Existing	3105.00	812.16	820.82	818.55	821.22	0.002630	6.85	709.37	172.27	0.45
Align (1)	1650	100 YR	Proposed	3105.00	812.16	820.82	818.56	821.22	0.002630	6.85	709.38	172.27	0.45
Align (1)	1450	100 YR	Existing	3105.00	811.88	819.71	818.16	820.47	0.005262	9.45	580.58	186.60	0.64
Align (1)	1450	100 YR	Proposed	3105.00	811.88	819.71	818.16	820.47	0.005262	9.45	580.59	186.60	0.64
Align (1)	1225	100 YR	Existing	3105.00	811.12	818.29	817.76	819.10	0.007022	9.47	544.84	293.16	0.71
Align (1)	1225	100 YR	Proposed	3105.00	811.12	818.29	817.76	819.10	0.007025	9.47	544.74	293.15	0.71
Align (1)	1000	100 YR	Existing	3105.00	809.49	818.10	815.97	818.36	0.001327	4.86	836.63	306.65	0.32
Align (1)	1000	100 YR	Proposed	3105.00	809.49	818.10	815.97	818.36	0.001326	4.86	836.81	306.65	0.32
Align (1)	775	100 YR	Existing	3105.00	809.17	817.43	815.79	817.95	0.002460	6.40	556.07	207.41	0.43
Align (1)	775	100 YR	Proposed	3105.00	809.17	817.43	815.79	817.95	0.002461	6.40	556.04	207.41	0.43
Align (1)	549.91	100 YR	Existing	3105.00	808.86	816.95		817.40	0.002403	6.42	639.63	188.68	0.43
Align (1)	549.91	100 YR	Proposed	3105.00	808.86	816.95		817.40	0.002402	6.43	639.61	188.67	0.43
Align (1)	325	100 YR	Existing	3105.00	808.54	816.71	814.64	816.97	0.001401	4.94	815.95	223.13	0.33
Align (1)	325	100 YR	Proposed	3105.00	808.54	816.71	814.64	816.97	0.001401	4.95	815.95	223.13	0.33

183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

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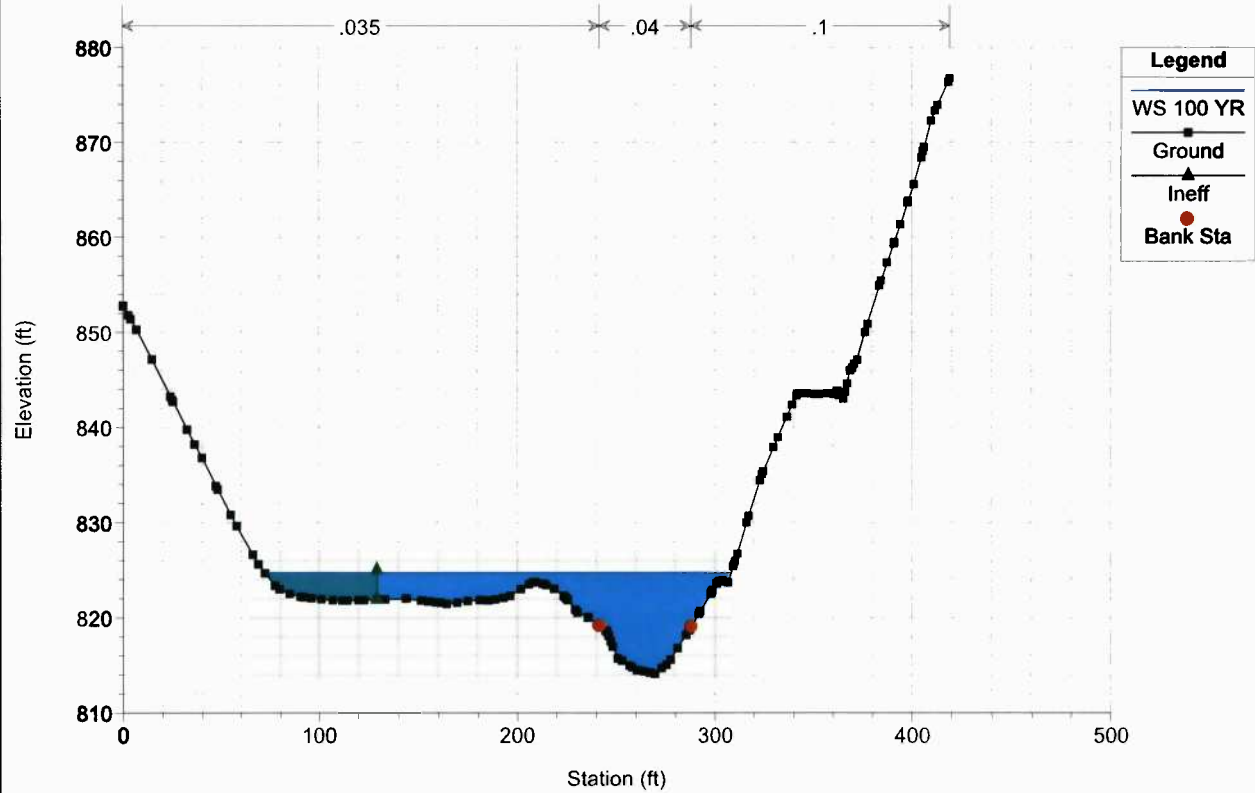


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

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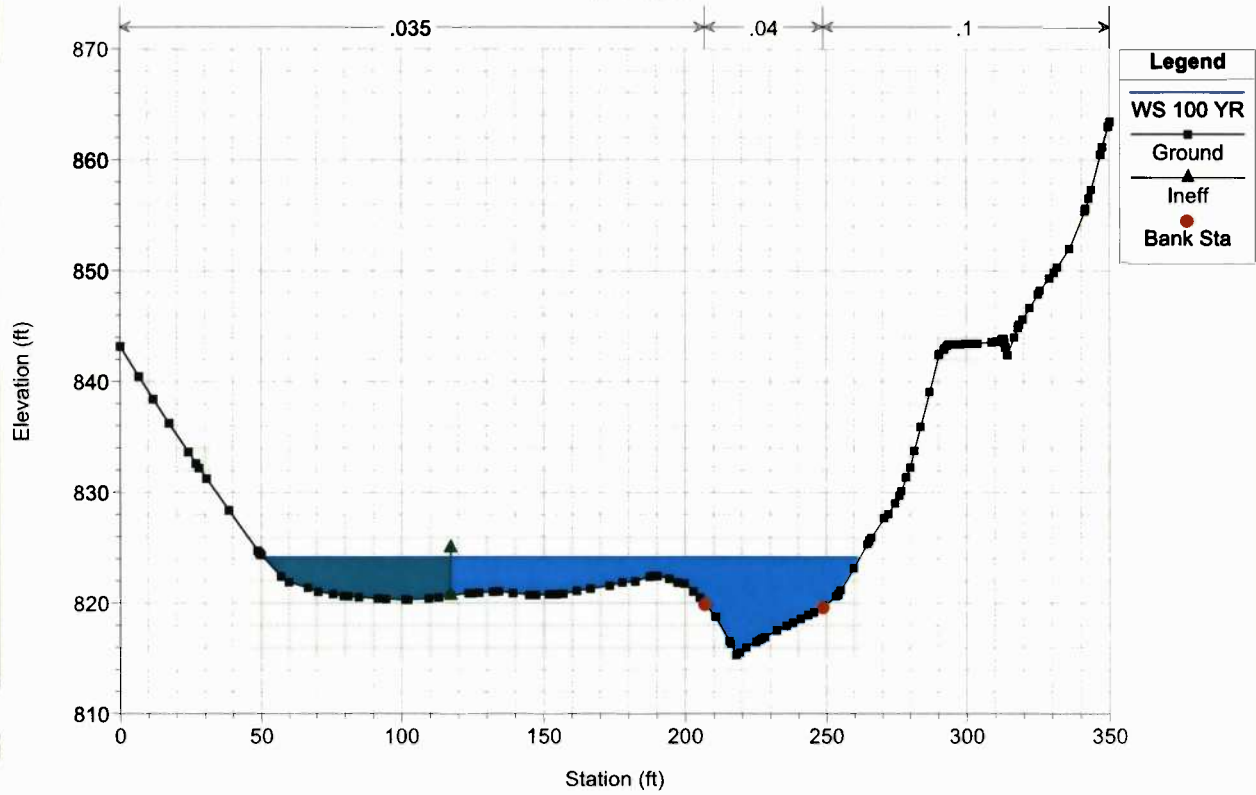


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

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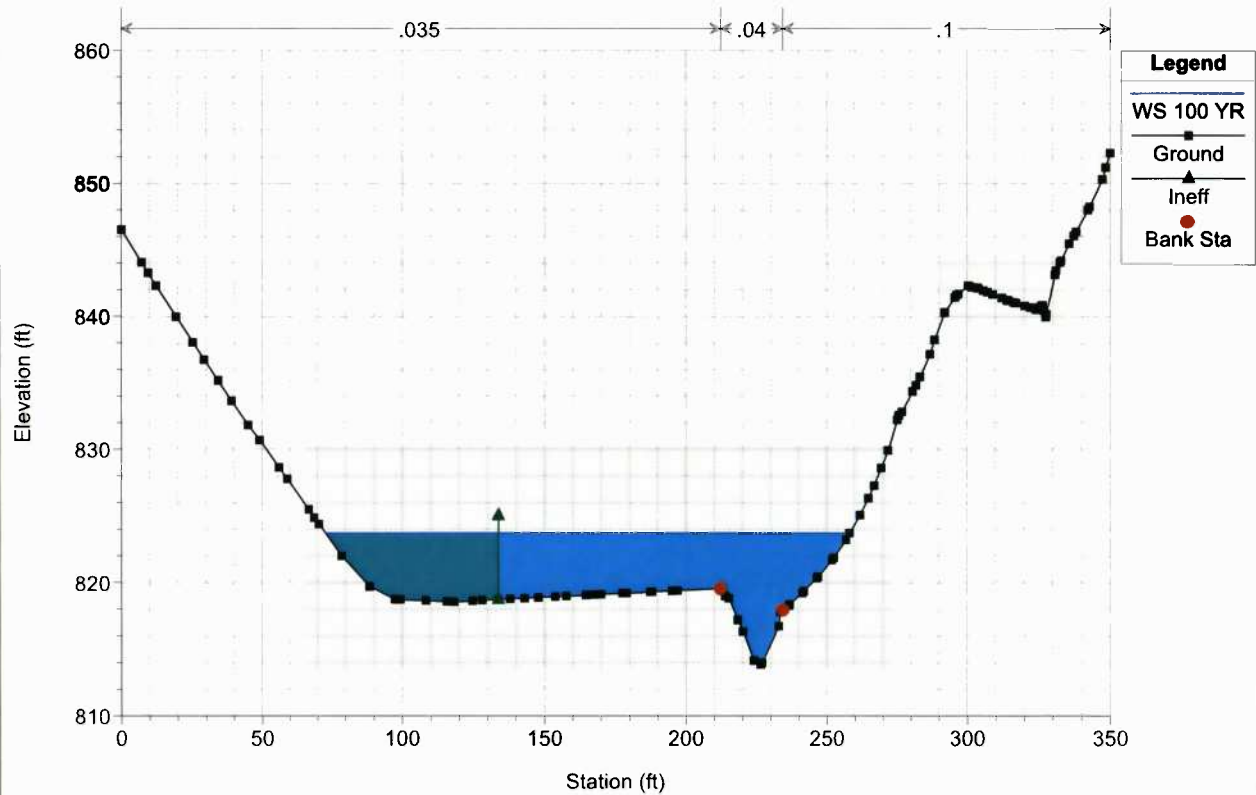


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

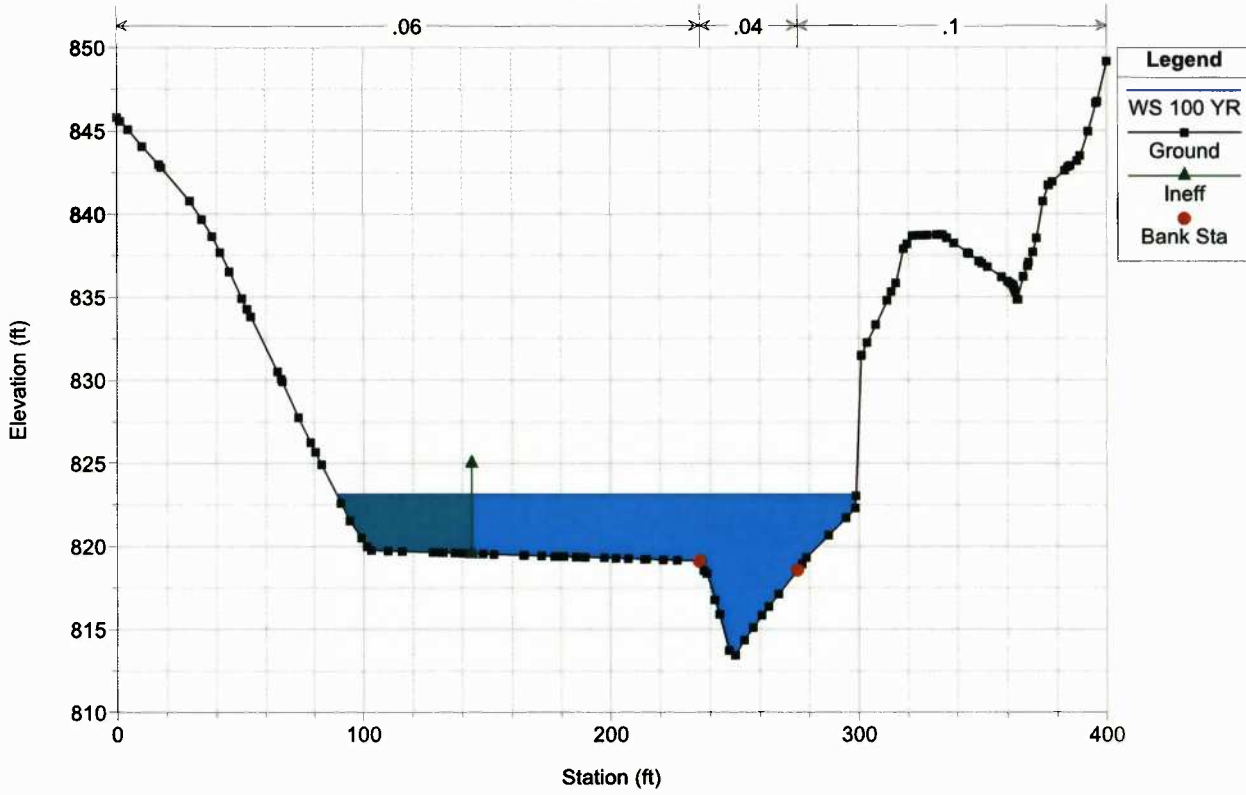
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183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis 10/9/2018

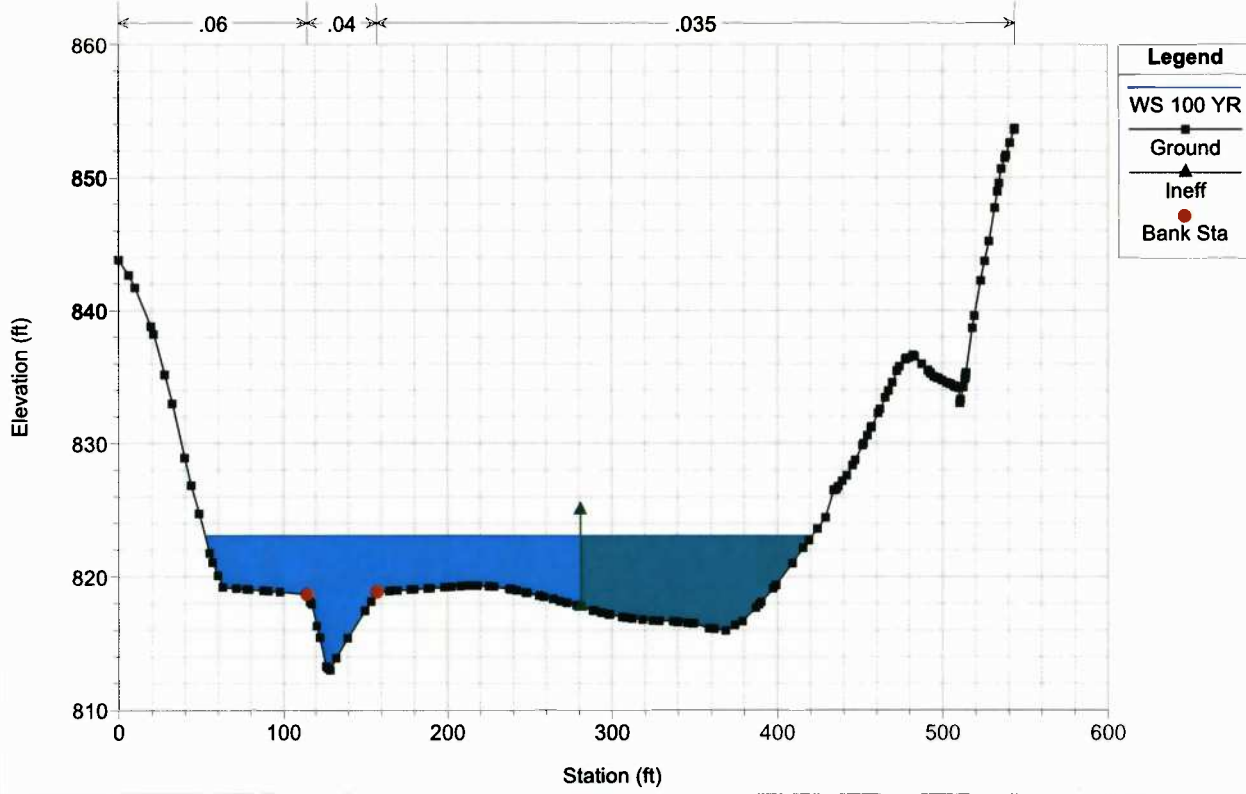
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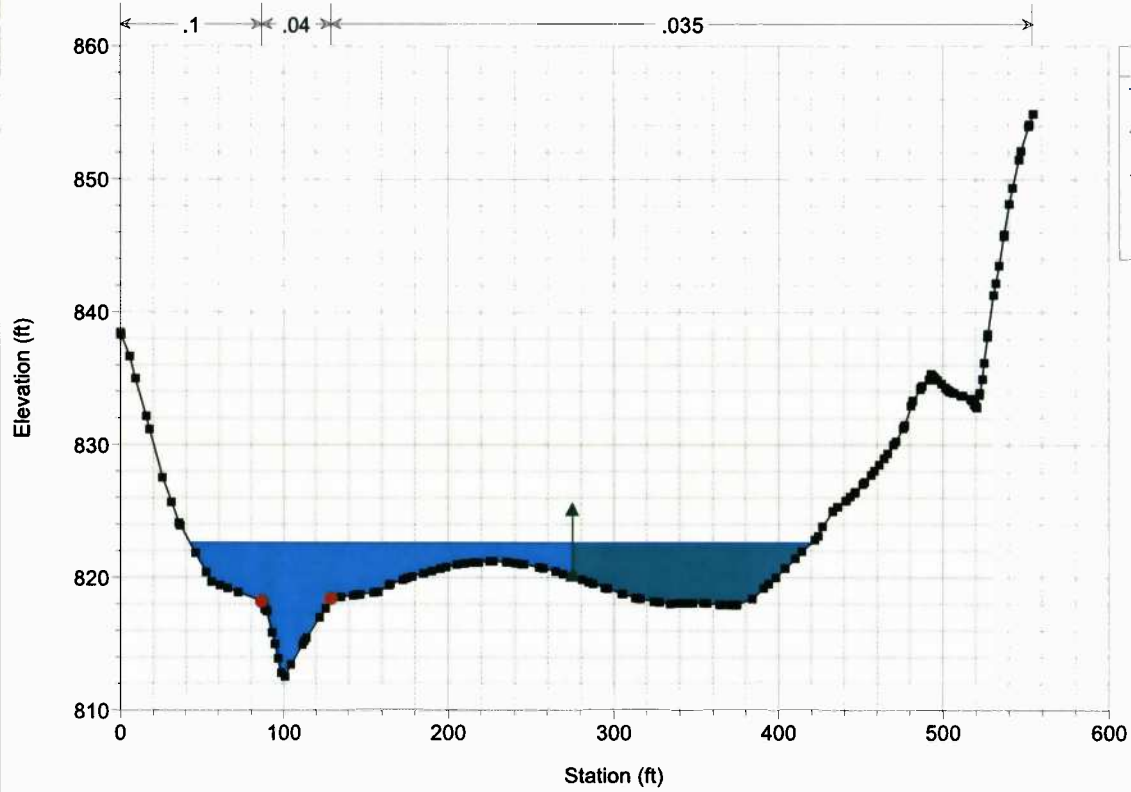
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Plan: 183735-ExistingAnalysis 10/9/2018

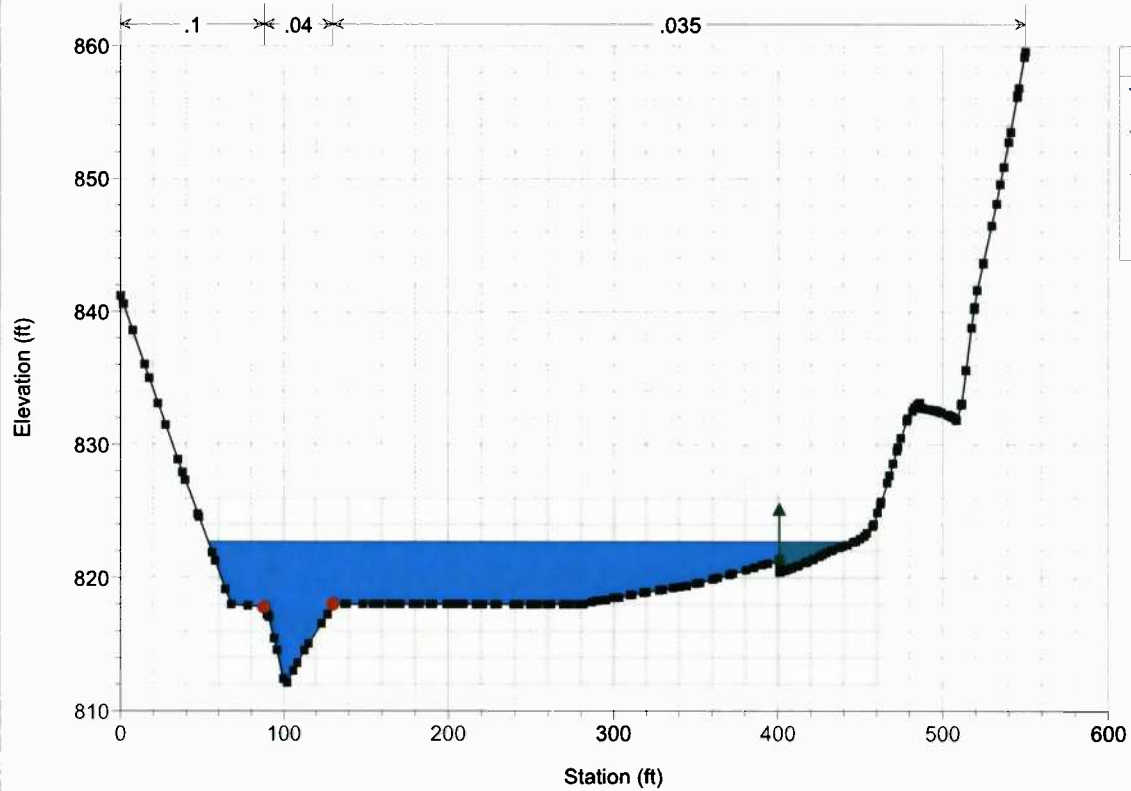
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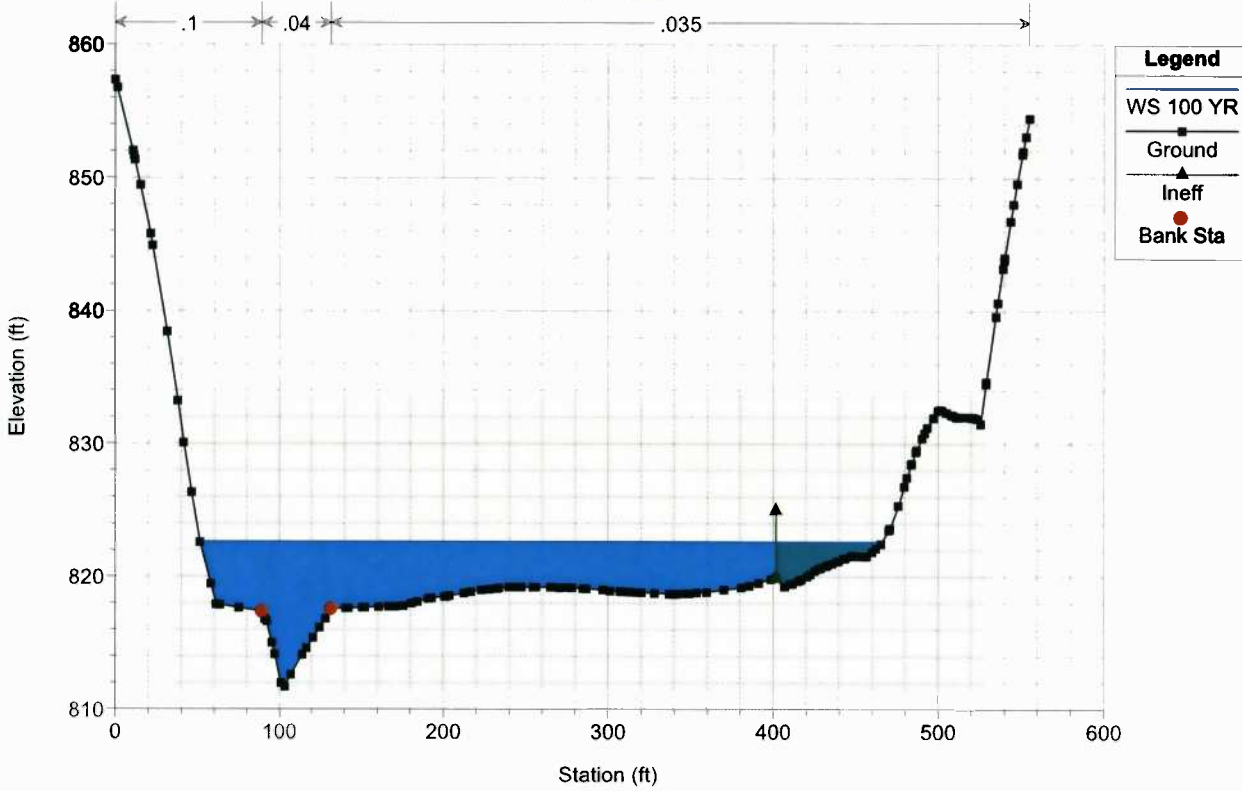
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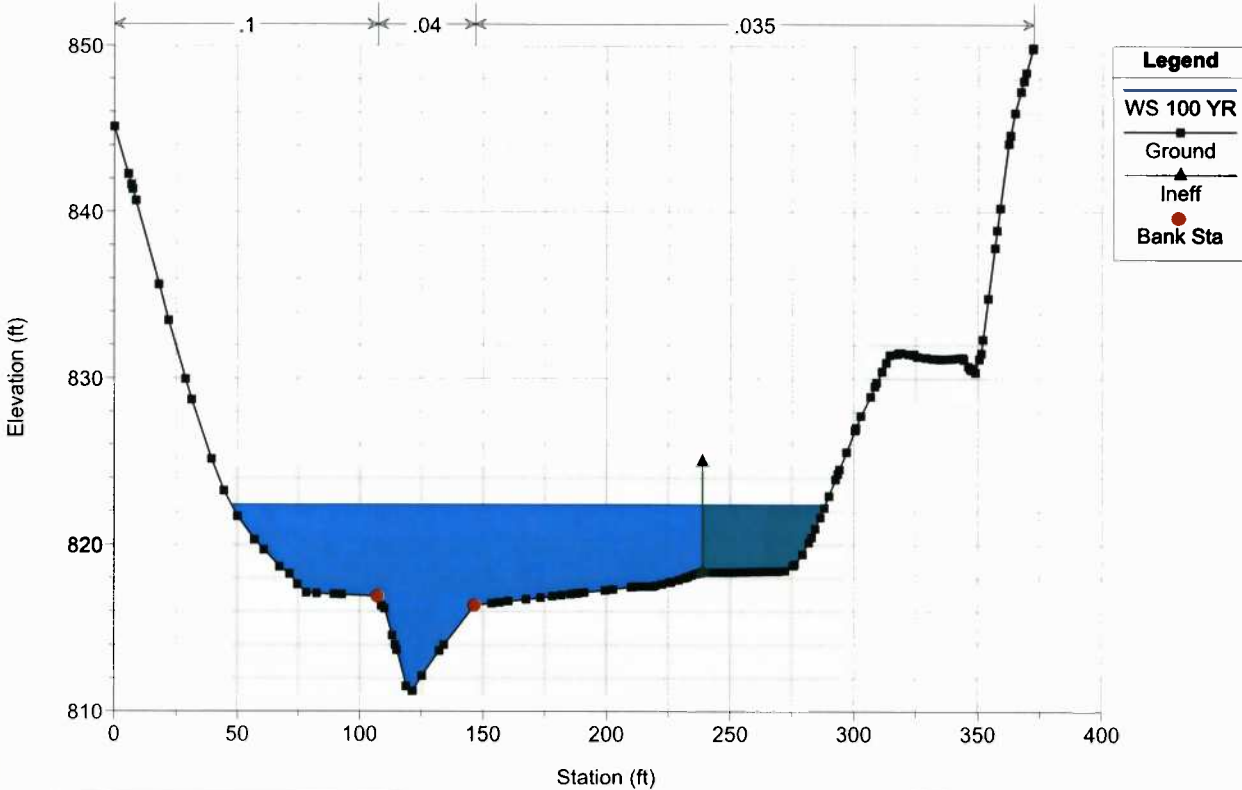
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 RS = 3125



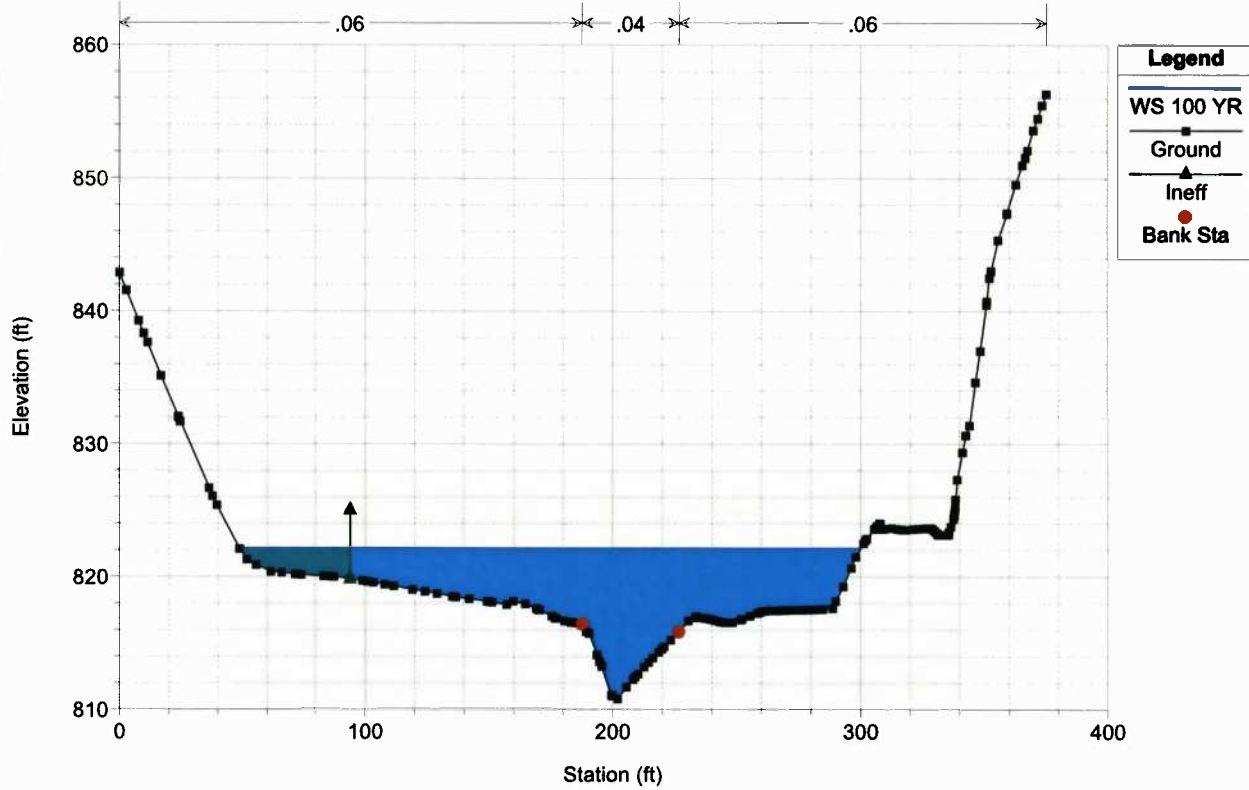
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RS = 2900.05



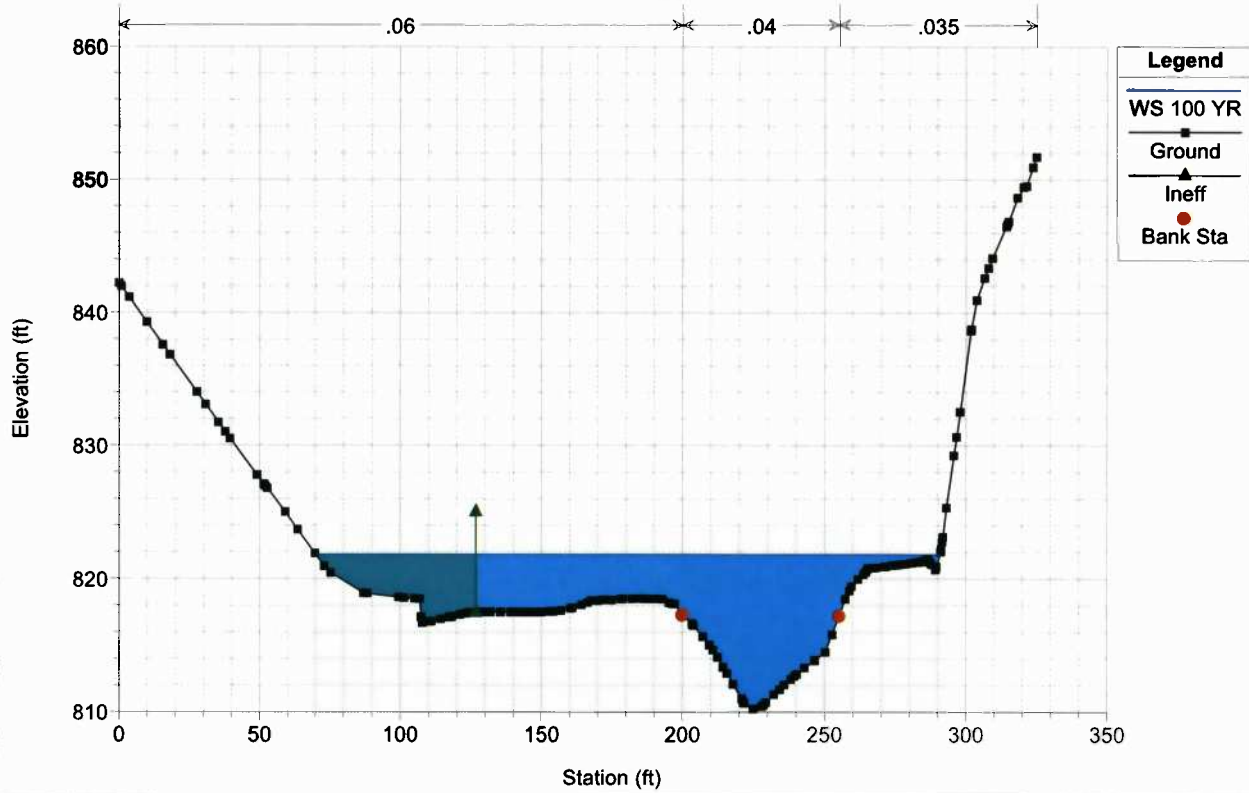
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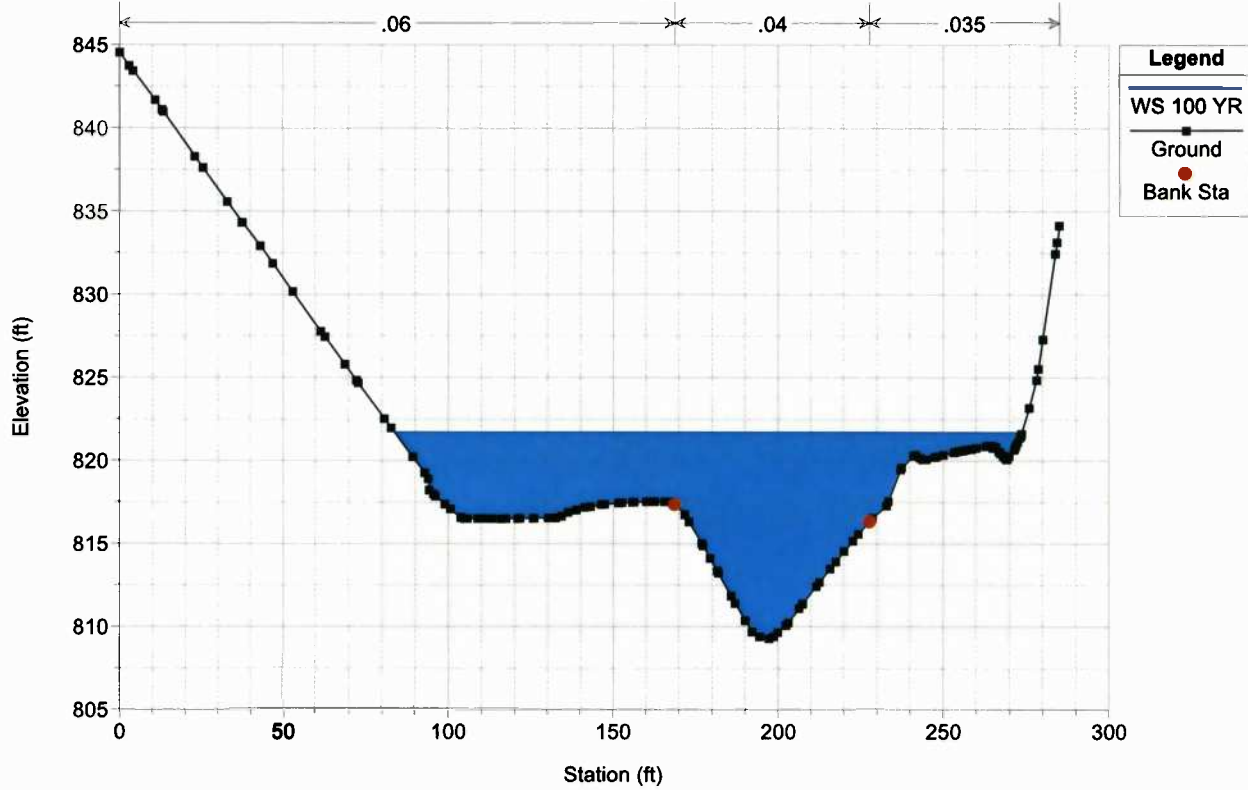
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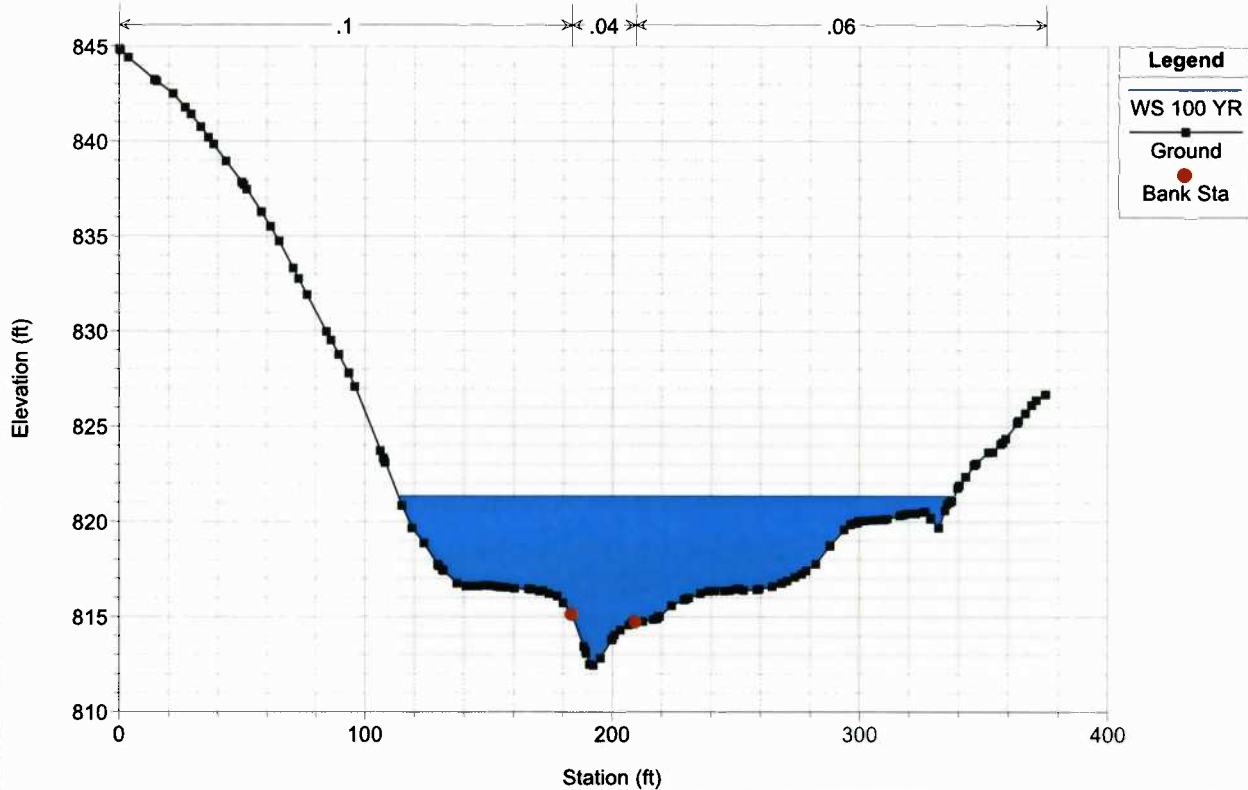
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 RS = 2250



183735 Oxford Road Analysis Plan: 183735-ExistingAnalysis 10/9/2018
RS = 2050



183735 Oxford Road Analysis Plan: 183735-ExistingAnalysis 10/9/2018
RS = 1850

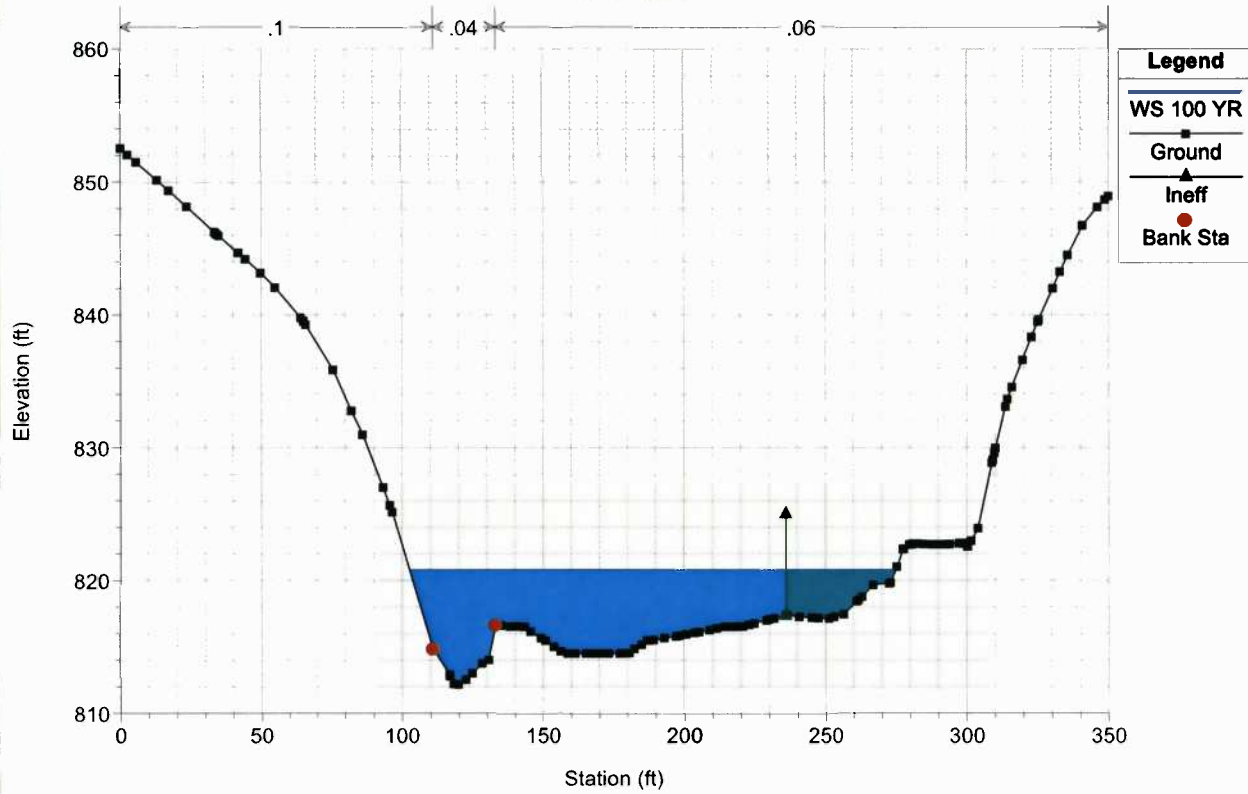


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

RS = 1650

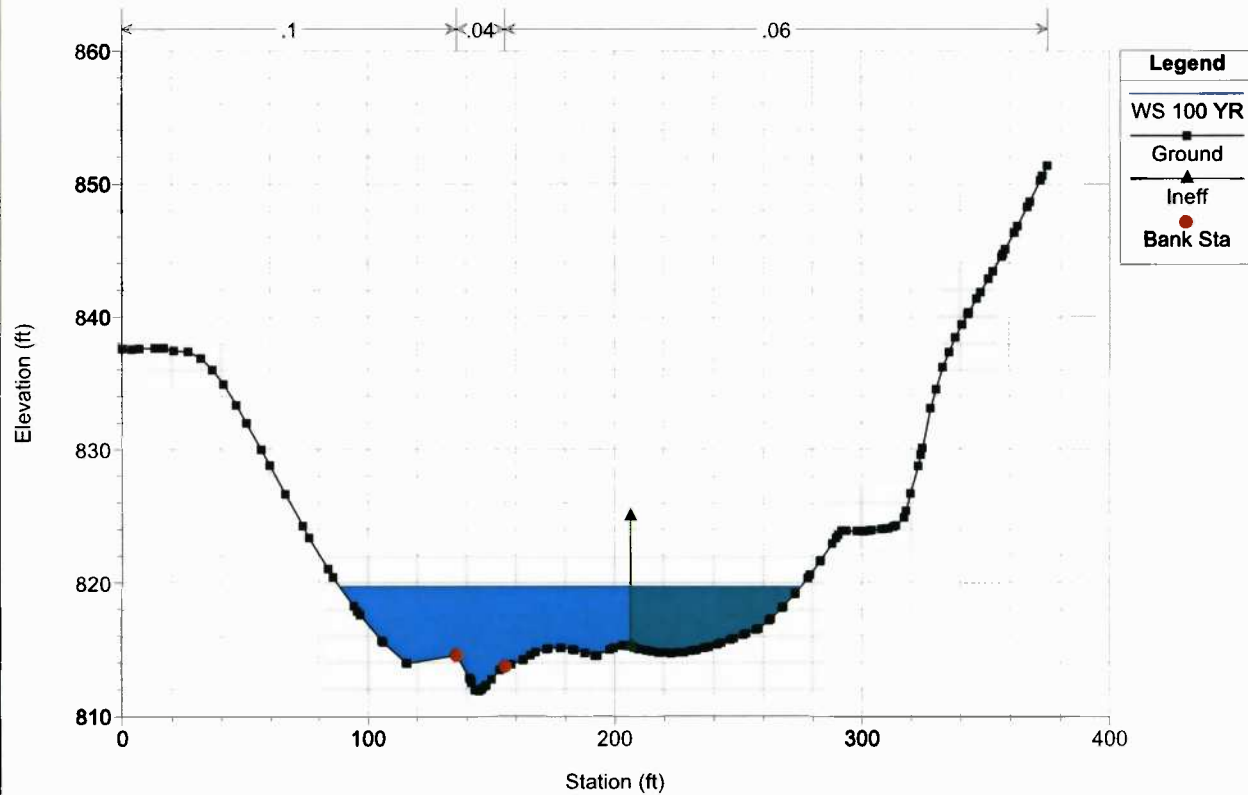


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

RS = 1450

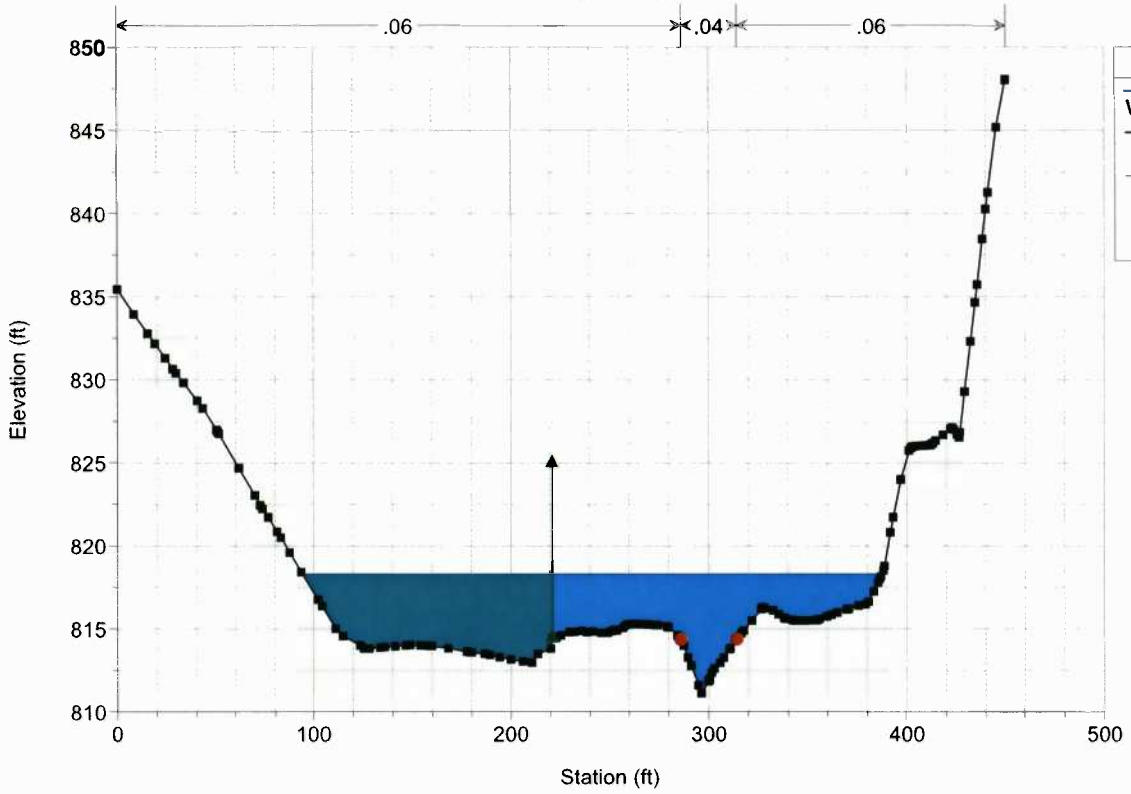


183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

RS = 1225



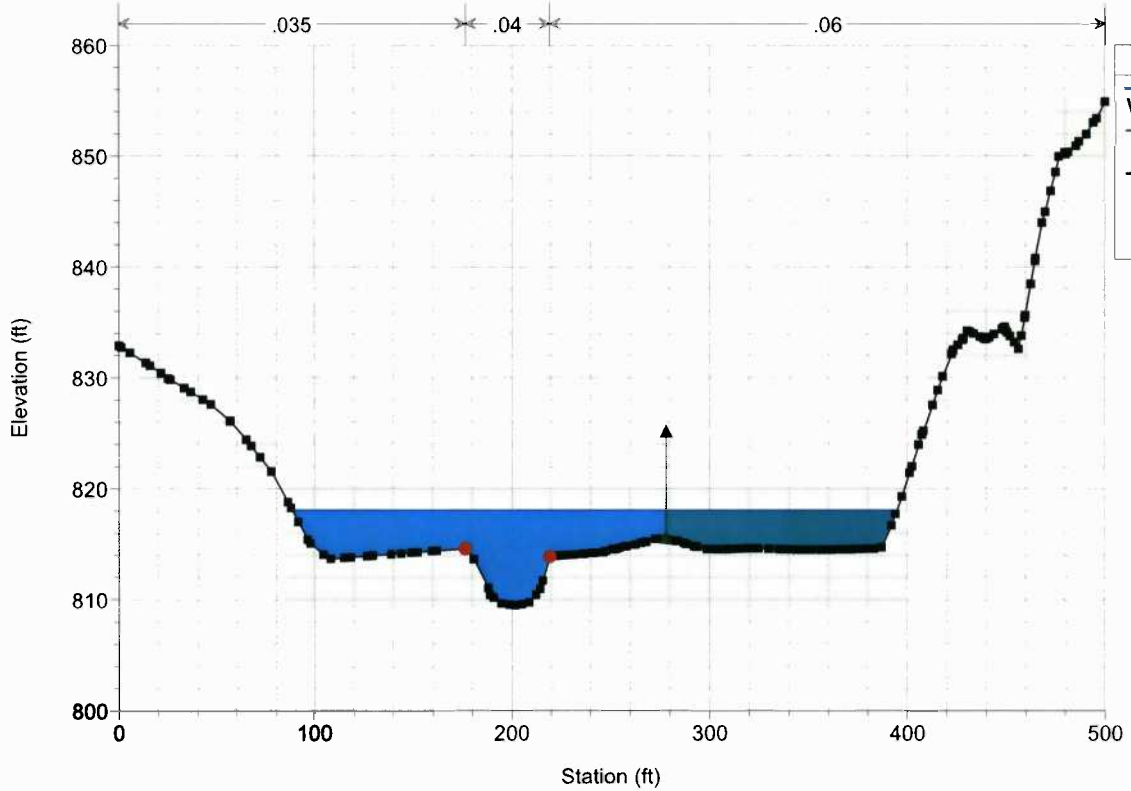
Legend	
WS 100 YR	■
Ground	▲
Ineff	▲
Bank Sta	●

183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

RS = 1000



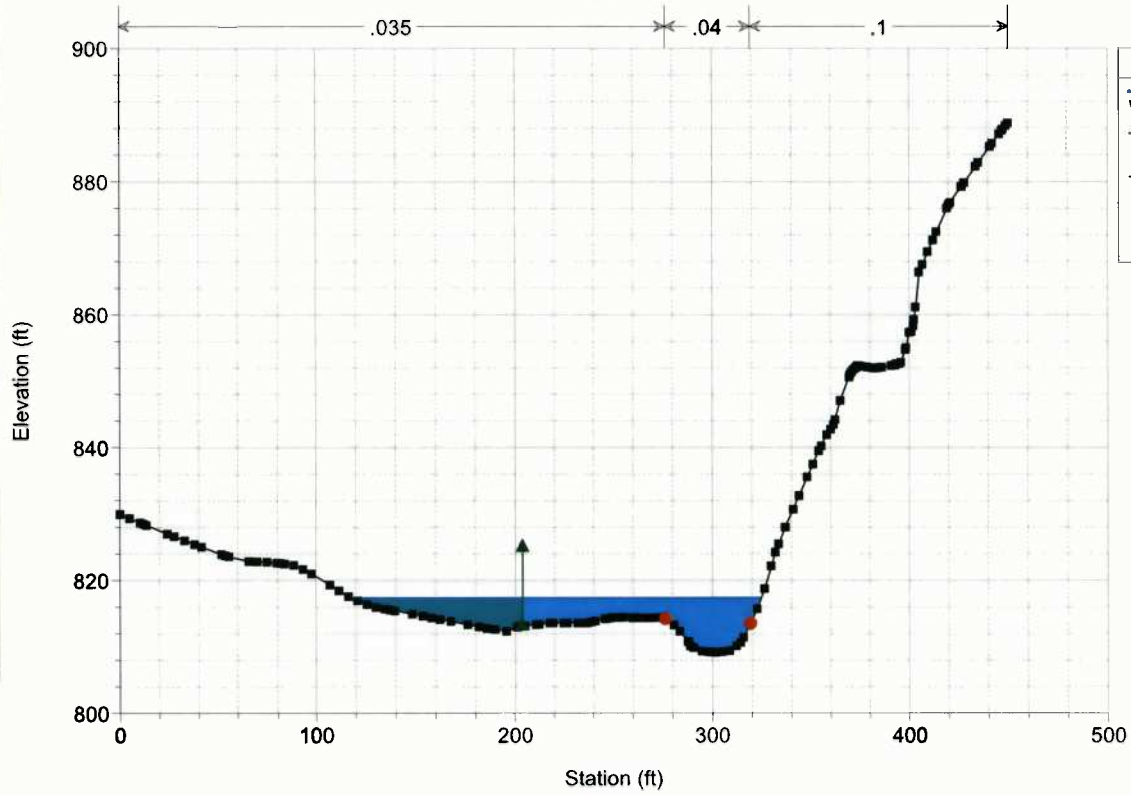
Legend	
WS 100 YR	■
Ground	▲
Ineff	▲
Bank Sta	●

183735 Oxford Road Analysis

Plan: 183735-ExistingAnalysis

10/9/2018

RS = 775

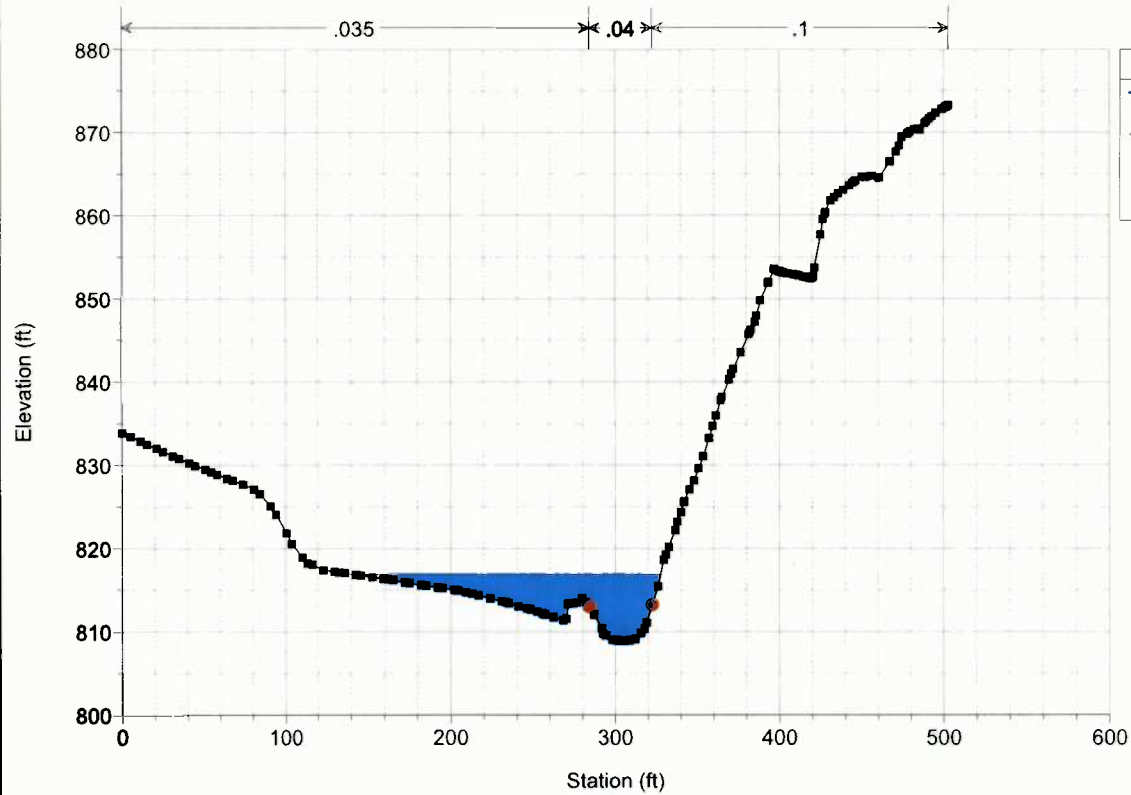


183735 Oxford Road Analysis

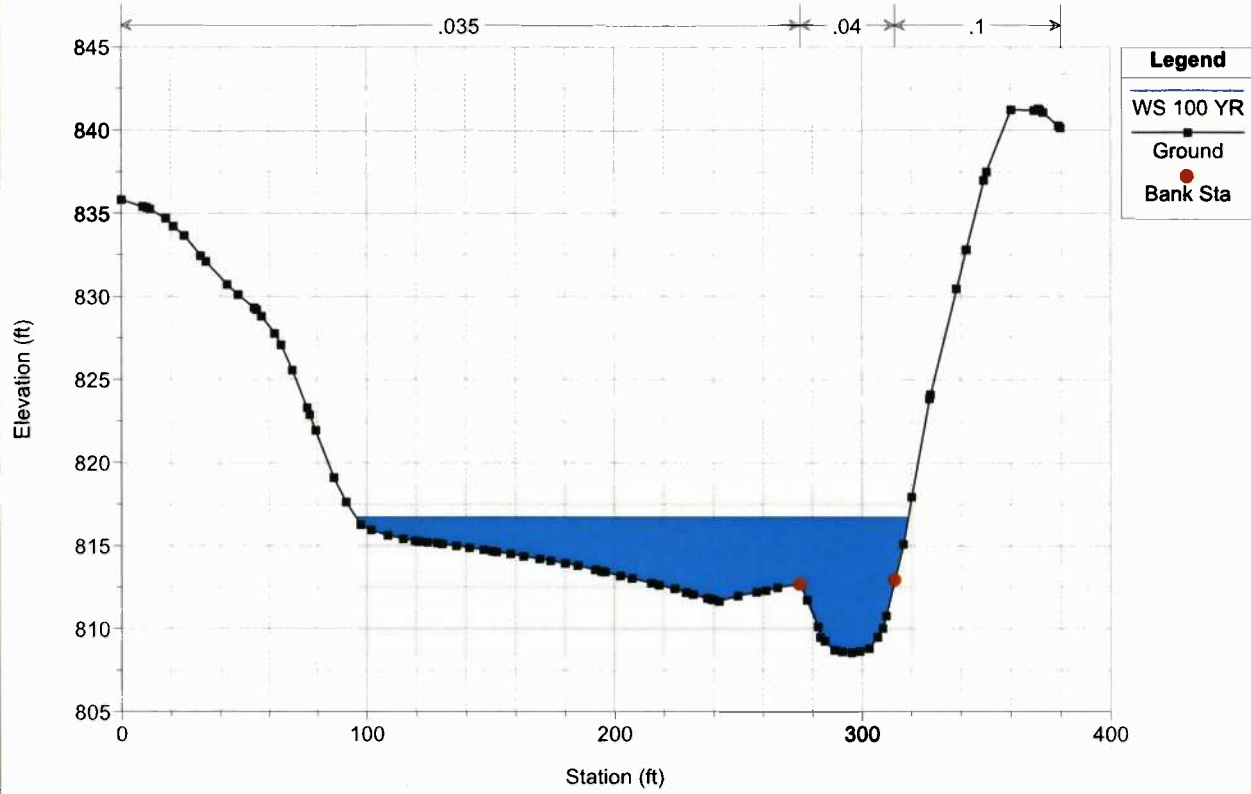
Plan: 183735-ExistingAnalysis

10/9/2018

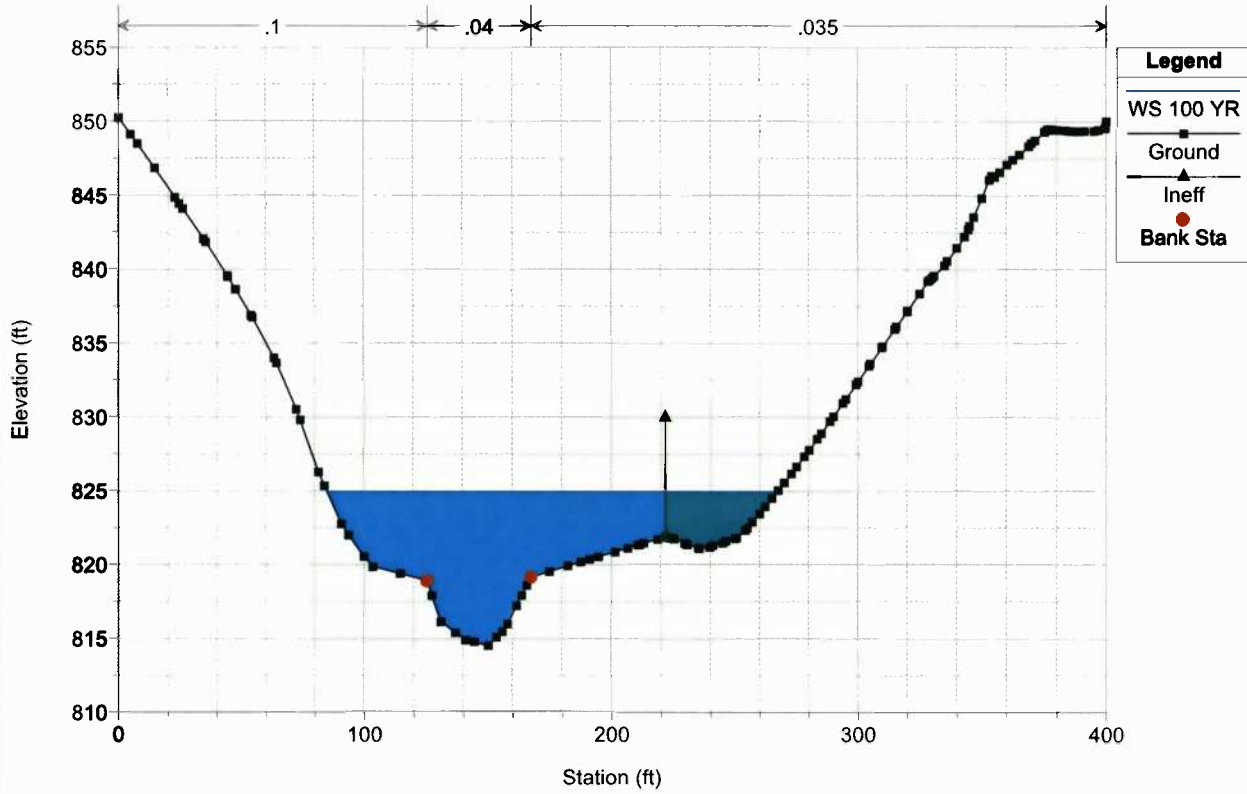
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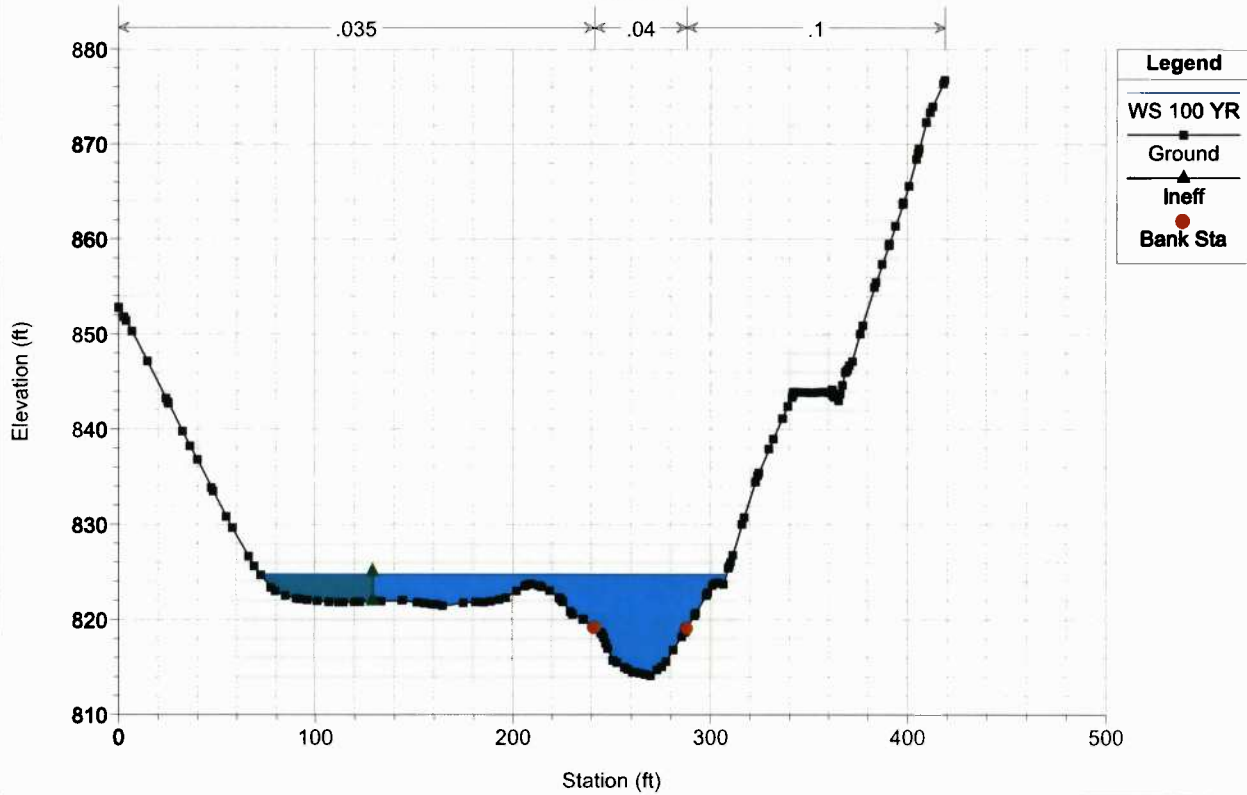
RS = 325



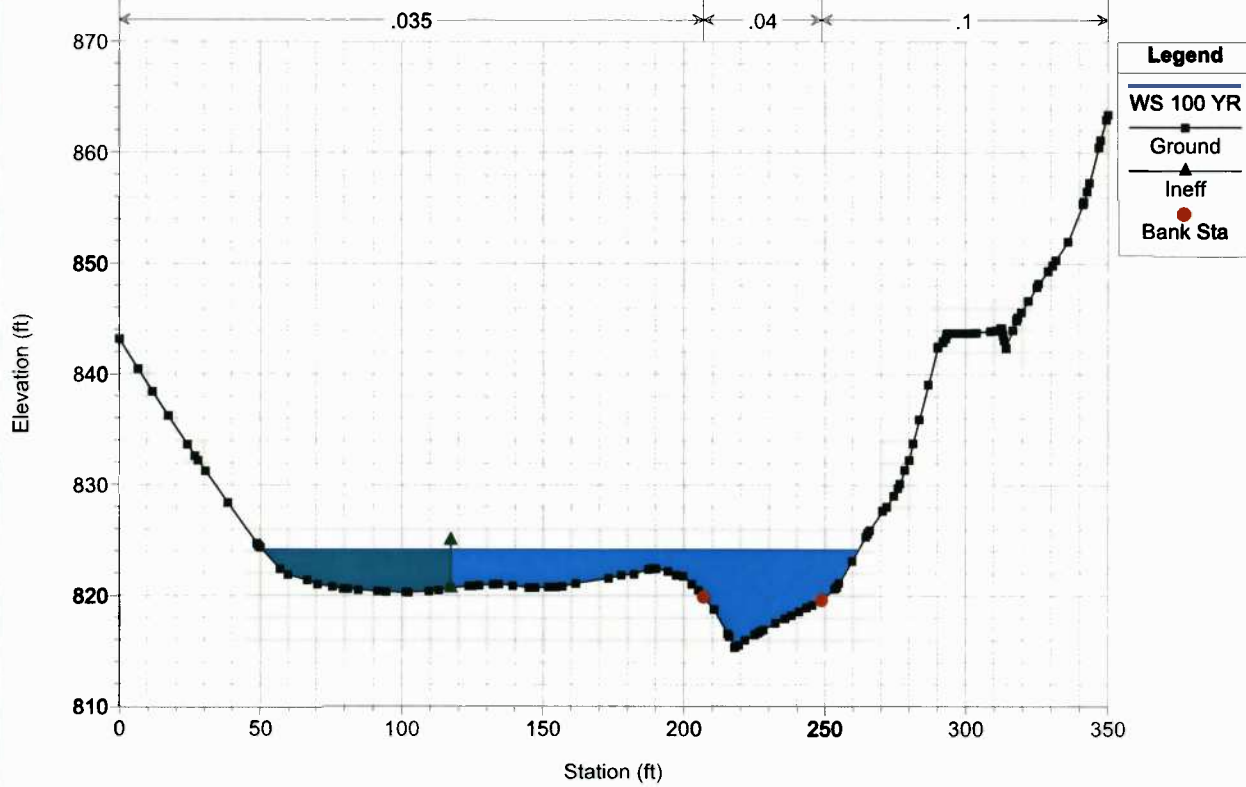
183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
 RS = 4600



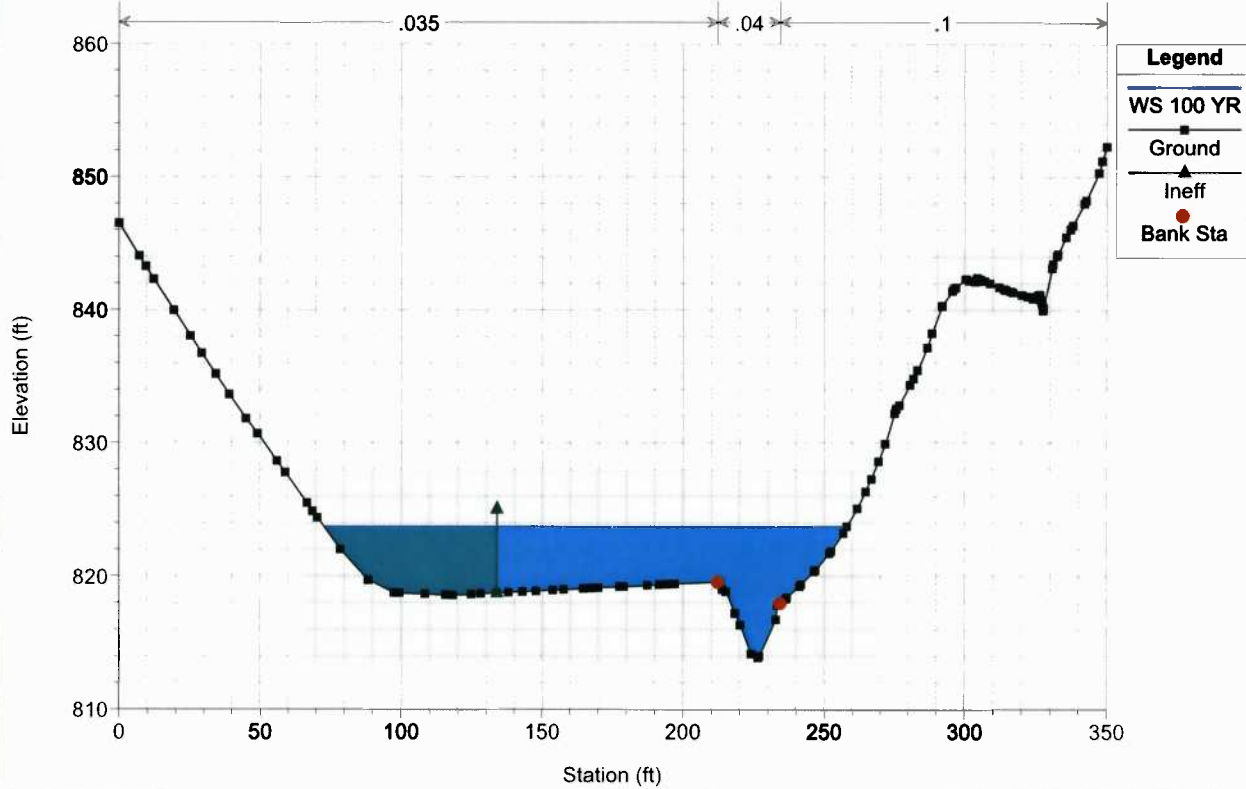
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 RS = 4400



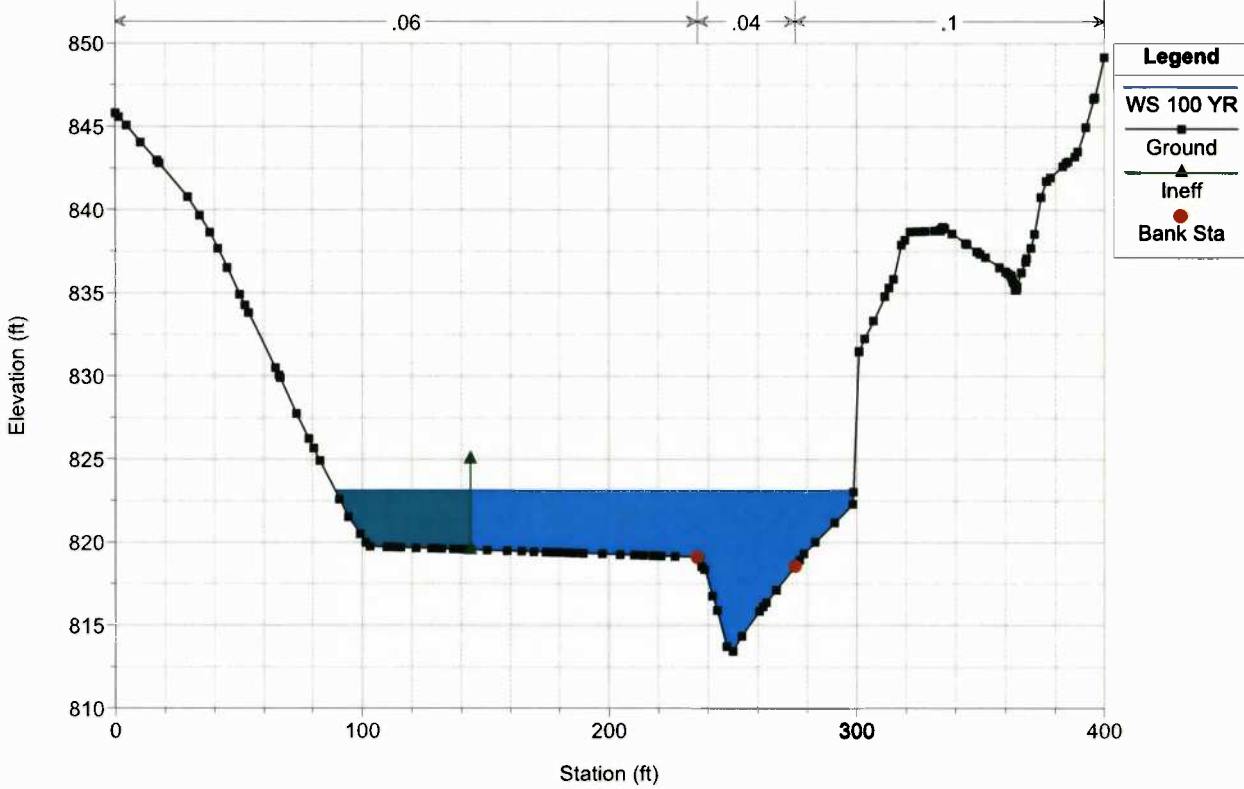
183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
RS = 4200



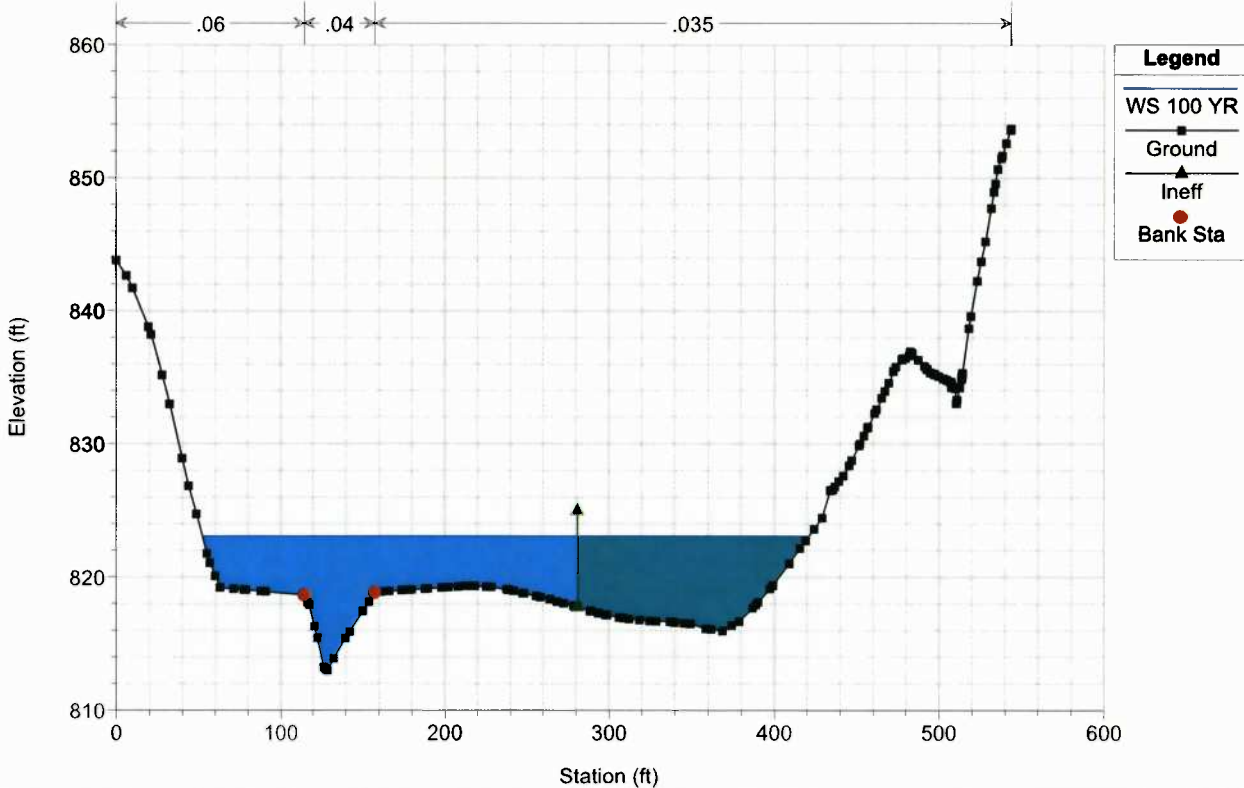
183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
RS = 4000



183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
 RS = 3775



183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
 RS = 3550

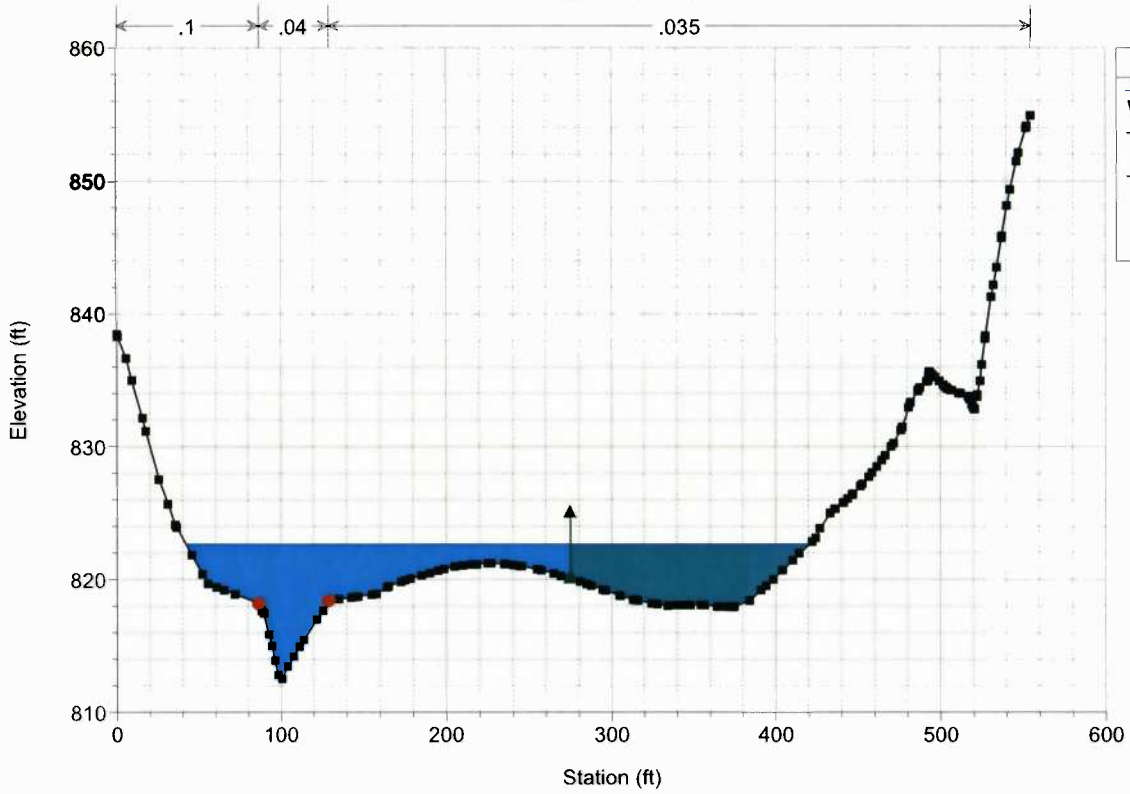


183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis

10/9/2018

RS = 3324.63



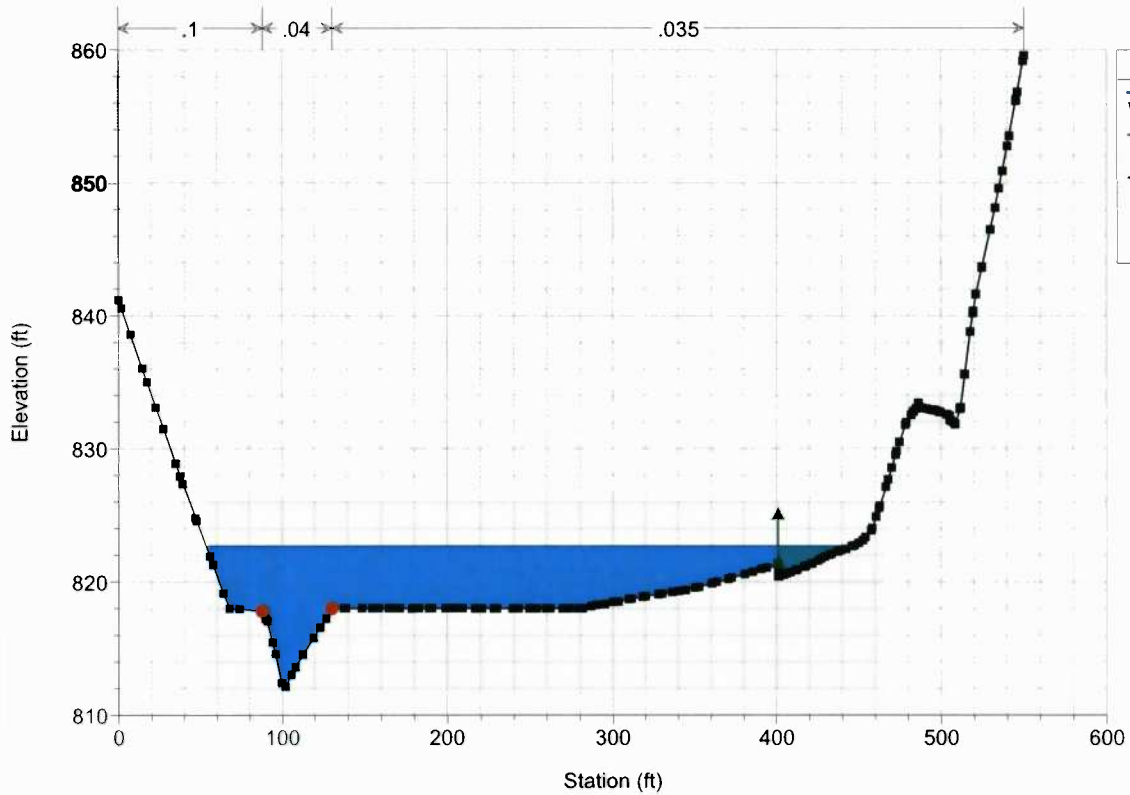
Legend	
WS 100 YR	—
Ground	—■—
Ineff	▲
Bank Sta	●

183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis

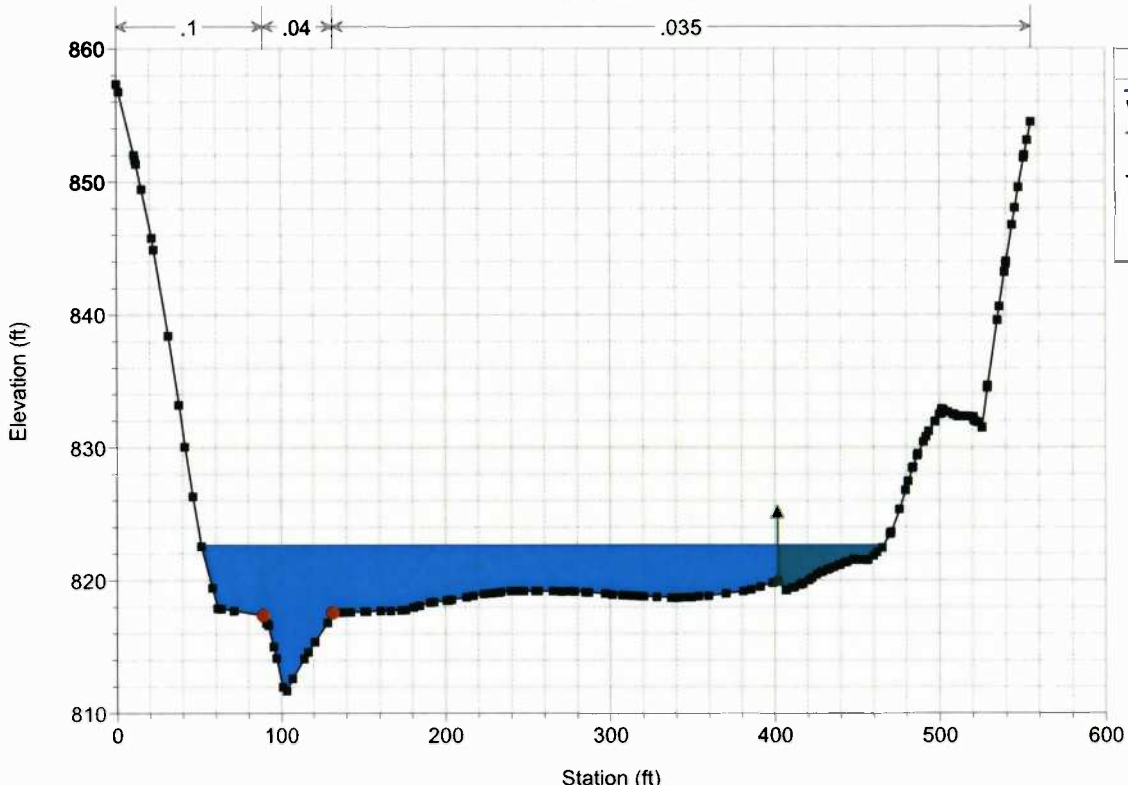
10/9/2018

RS = 3125

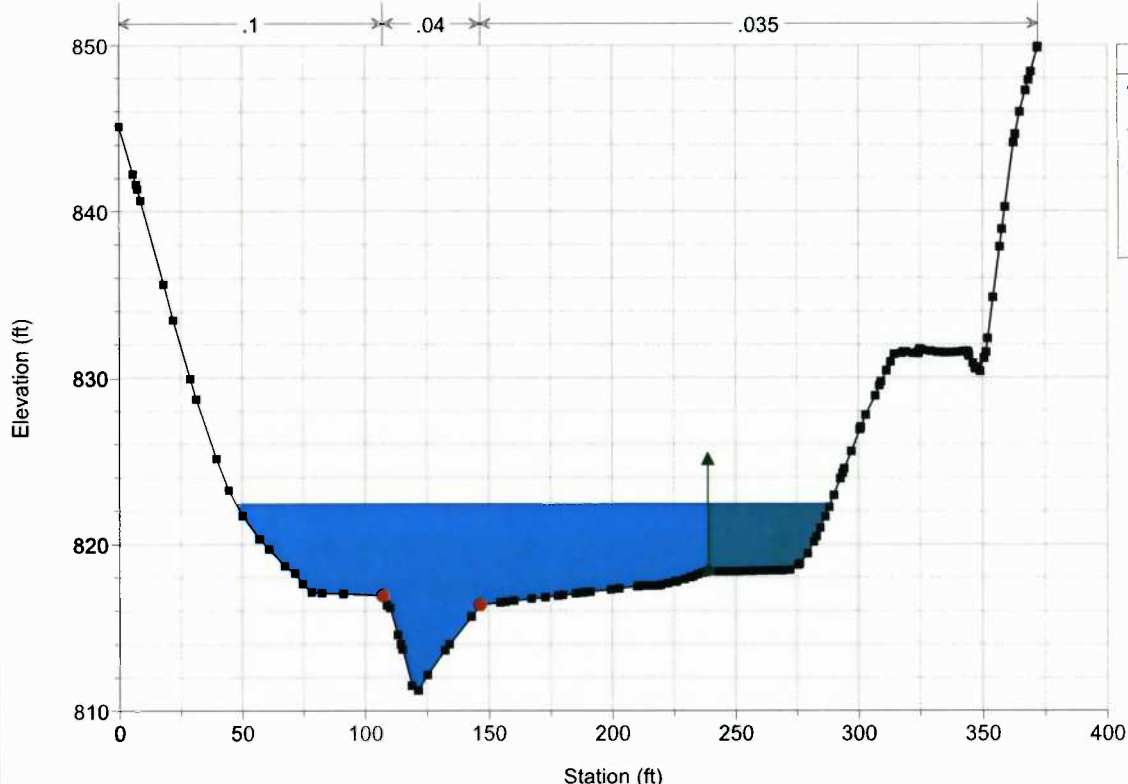


Legend	
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Ground	—■—
Ineff	▲
Bank Sta	●

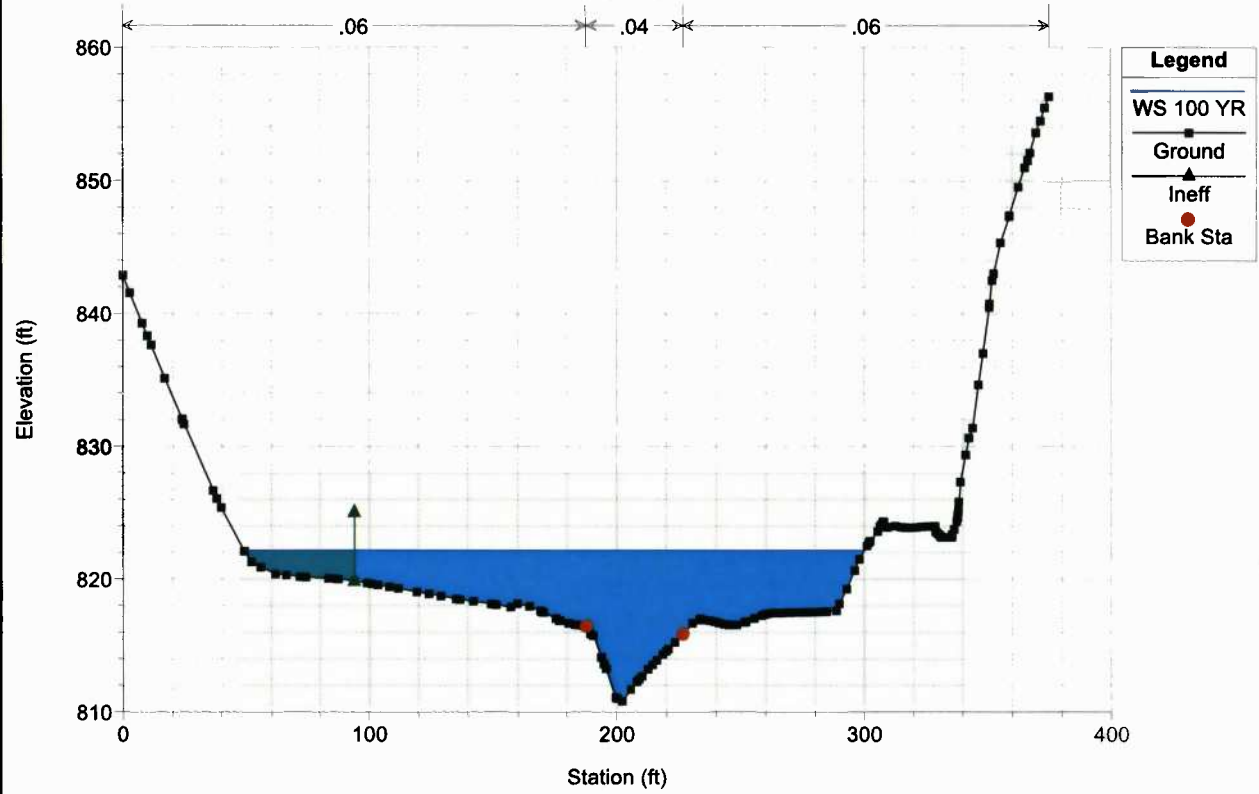
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 RS = 2900.05



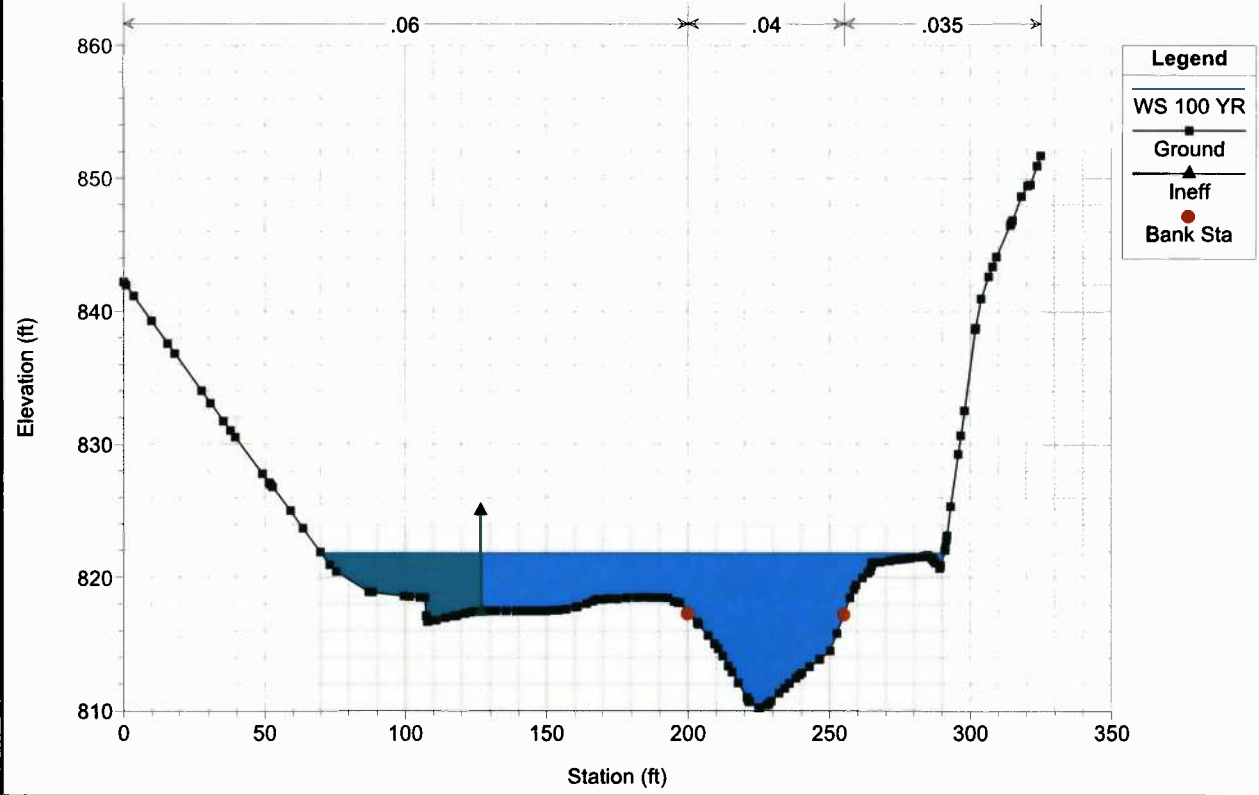
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 RS = 2675.11



183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
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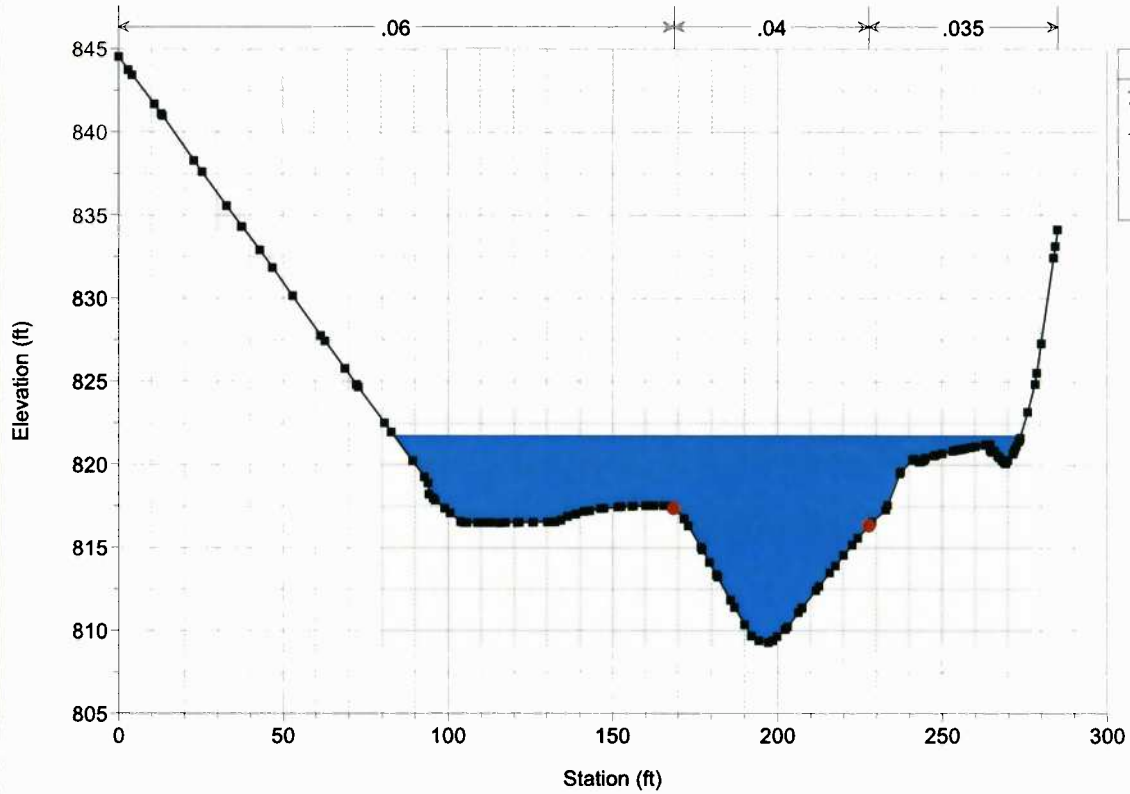
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183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis 10/9/2018

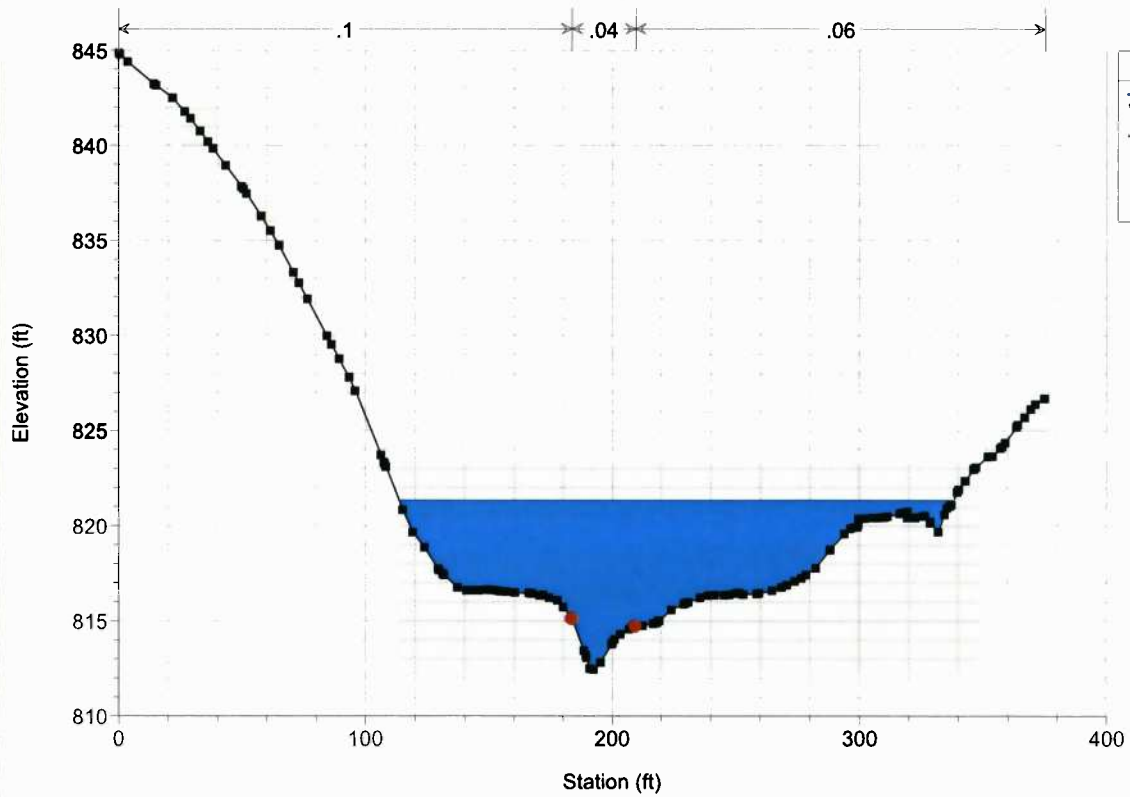
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183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis 10/9/2018

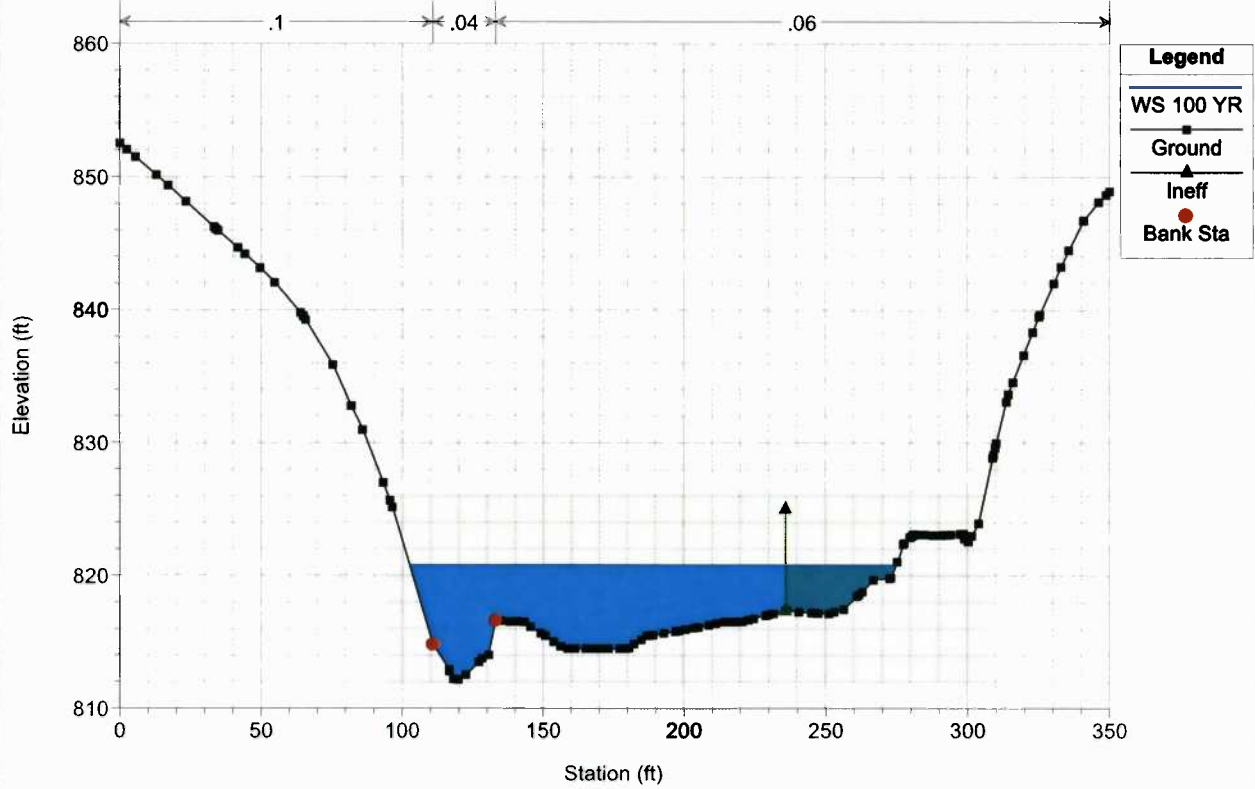
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183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis 10/9/2018

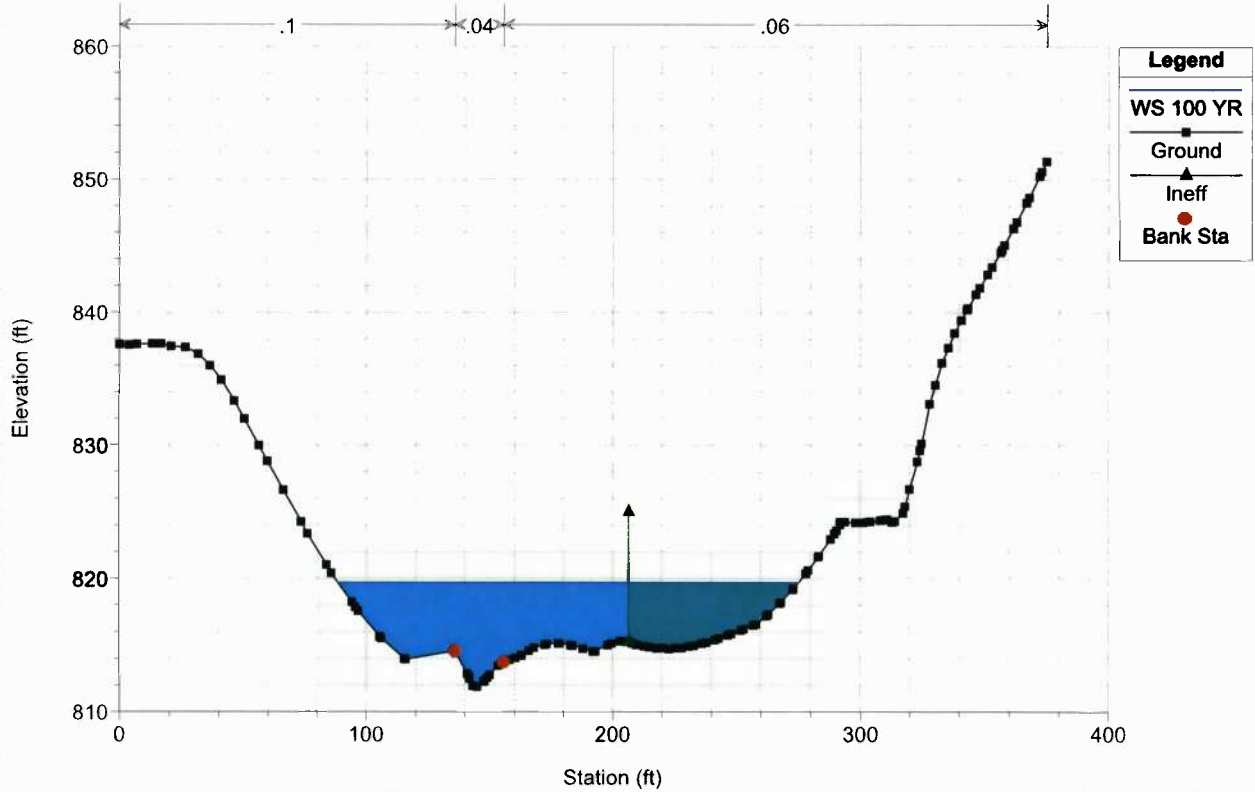
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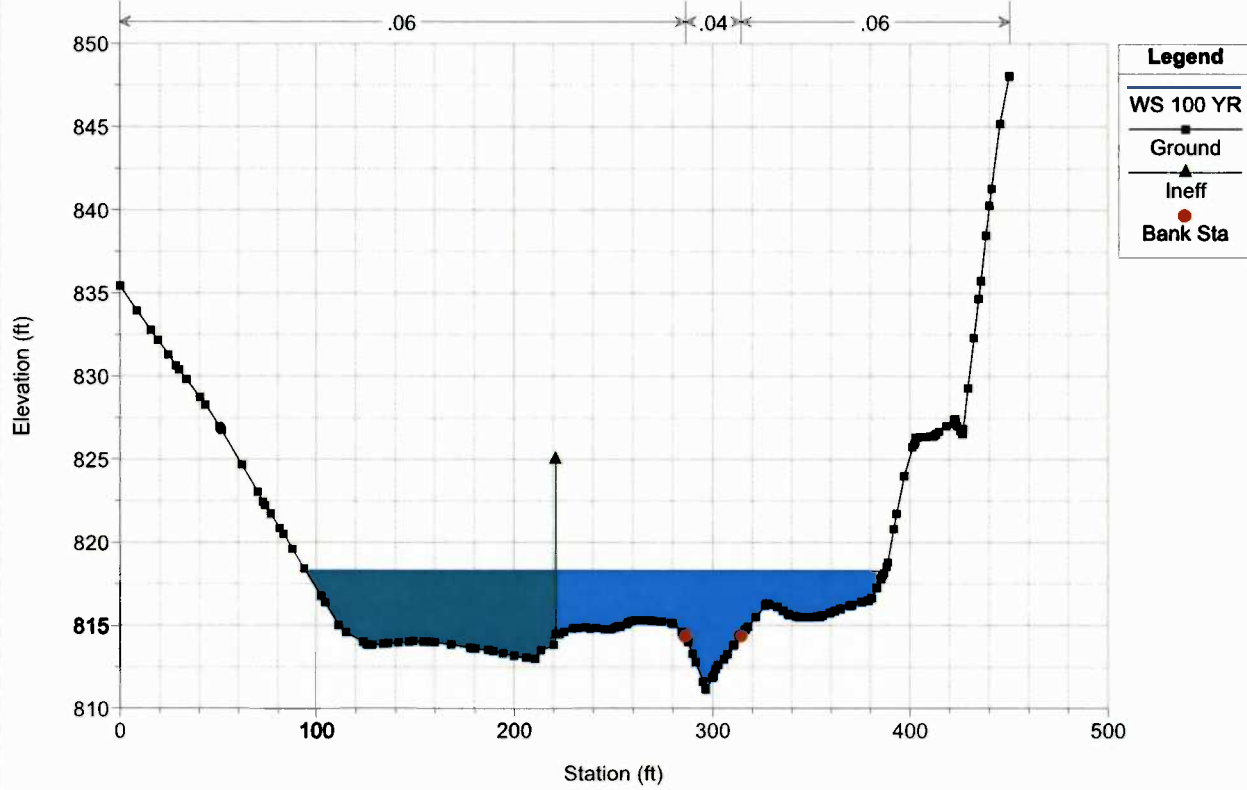
183735 Oxford Road Analysis

Plan: 183735-ProposedAnalysis 10/9/2018

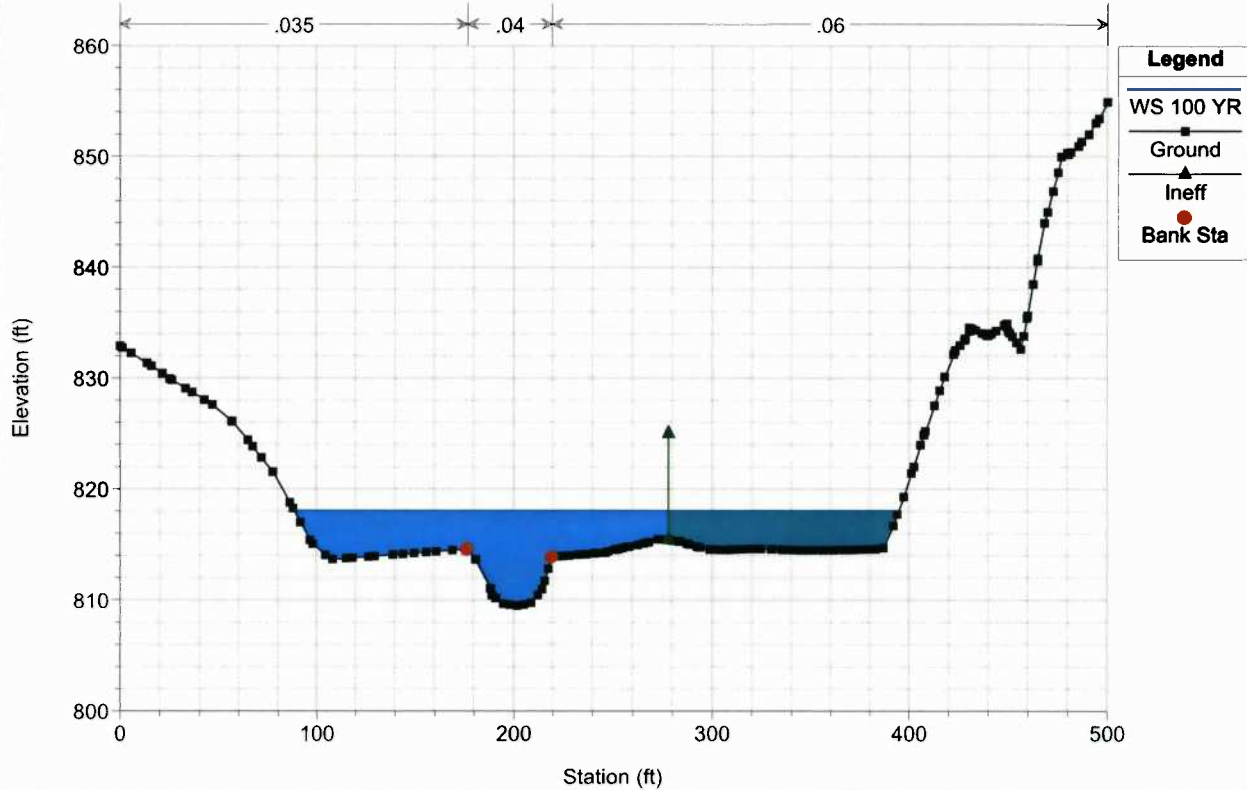
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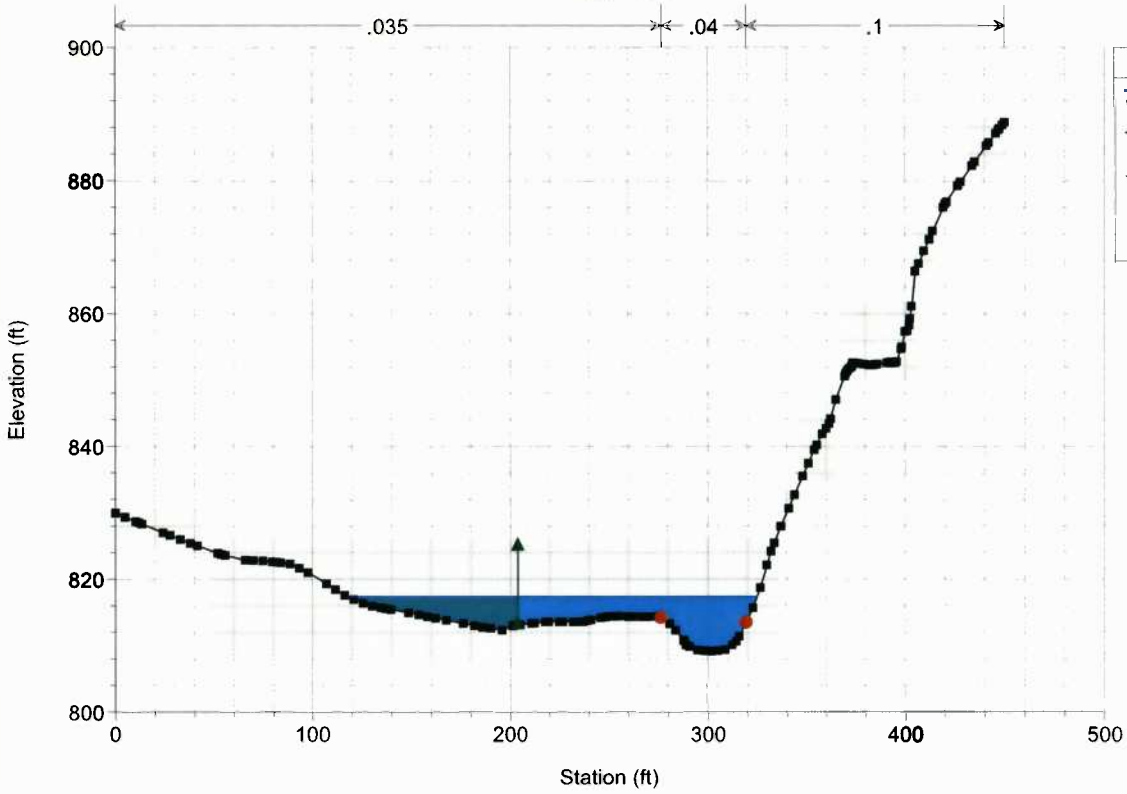
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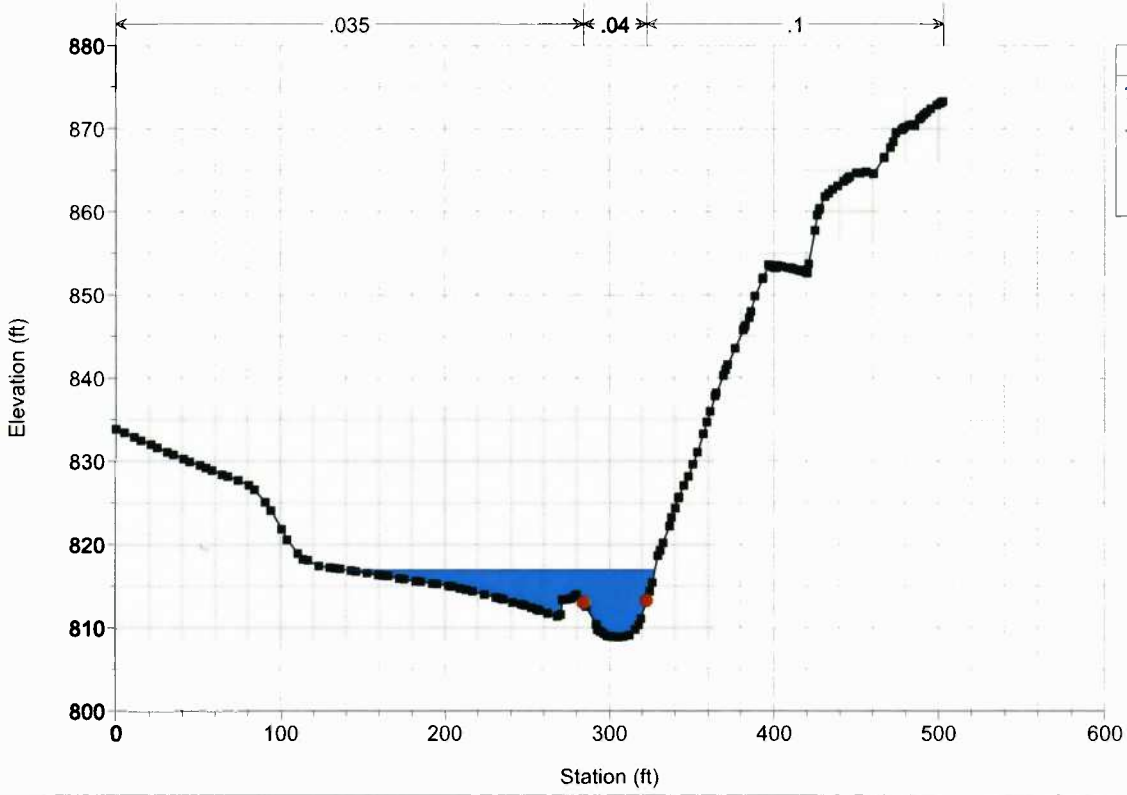
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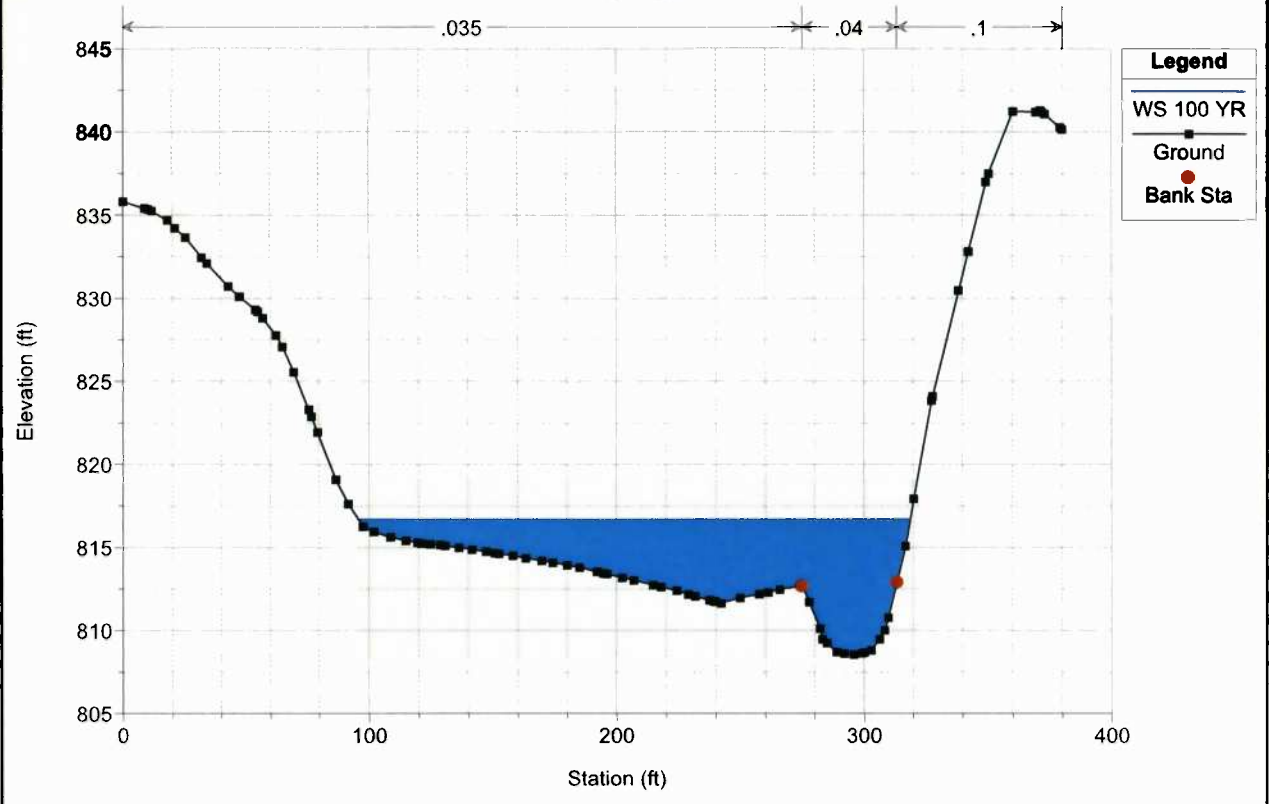
183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
 RS = 775



183735 Oxford Road Analysis Plan: 183735-ProposedAnalysis 10/9/2018
 RS = 549.91



RS = 325



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 11th of October, 2018, Antero Resources filed an application for a Floodplain Permit (#18-532) to develop land located at or about Oxford Road; Coordinates: 39.258219N, -80.841793W /to/ 39.206391N, -80.859431W. 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

was published in The Doddridge Independent
2 times commencing on Friday, October 26, 2018 and
Ending on Friday, November 2, 2018 at the request of:

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

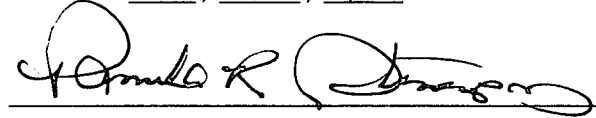
Given under my hand this Friday, November 2, 2018

The publisher's fee for said publication is:
\$ 31.05 1st Run/\$ 23.28 Subsequent Runs
This Legal Ad Total: \$ 54.33



Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on
this date: 11 / 5 / 18



Notary Public in and for Doddridge County
My Commission expires on
The 17th day of MAY 2019

Floodplain Public Notice • Legal Notice

Please take notice that on the 11th of October, 2018, Antero Resources filed an application for a Floodplain Permit (#18-532) to develop land located at or about Oxford Road; Coordinates: 39.258219N, -80.841793W /to/ 39.206391N, -80.859431W. 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 (November 26, 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 2645. This project is for the upgrading of Oxford Road C2 10/19 - 11/02

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
PAMELA R. STINESPRING
P. O. BOX 87
WEST UNION, WV 26457
EXPIRES 05/17/2019



VICINITY MAP
SCALE: 1 INCH = 1 MILE

UTILITY CONTACTS

DODDRIDGE COUNTY ROUTE 21 (OXFORD ROAD)
WV811 TICKET# 1820892628 & 1820892630

FRONTIER COMMUNICATIONS

428 W. MAIN ST
CLARKSBURG, WV 26301
PH: 304-935-3120

DIVERSIFIED GAS & OIL PLC
1100 CORPORATE DRIVE
BIRMINGHAM, AL 35242
PH: 205-408-0909

ARMSTRONG TELEPHONE COMPANY

EAST MAIN STREET
HARRISVILLE, WV 26362
PH: 304-643-2921

GREYLOCK PRODUCTION LLC
500 CORPORATE LANDING
CHARLESTON, WV 25311
PH: 304-925-6100

ABARTA OIL & GAS

6453 BUCKHANNON PIKE
MT CLARE, WV 26408
PH: 304-566-7252

UPSHUR GAS GATHERING LLC
415 HELIPOINT LOOP
BRIDGEPORT, WV 26330
PH: 304-842-6320

ANTERO NATURAL RESOURCES

600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PH: 304-842-4102

EQT MIDSTREAM

115 PROFESSIONAL PLACE
BRIDGEPORT, WV 26330
PH: 304-848-0000

DOMINION HOPE

55 ASHBY RIDGE RD.
PARKERSBURG, WV 26104
PH: 304-464-4046

FIRST ENERGY

2 POWER STATION BLVD.
WILLOW ISLAND, WV 26134
PH: 304-685-3100

CARBON APPALACHIAN COMPANY LLC

2480 FORTUNE DRIVE, SUITE 300
LEXINGTON, KY 40509
PH: 859-299-0771

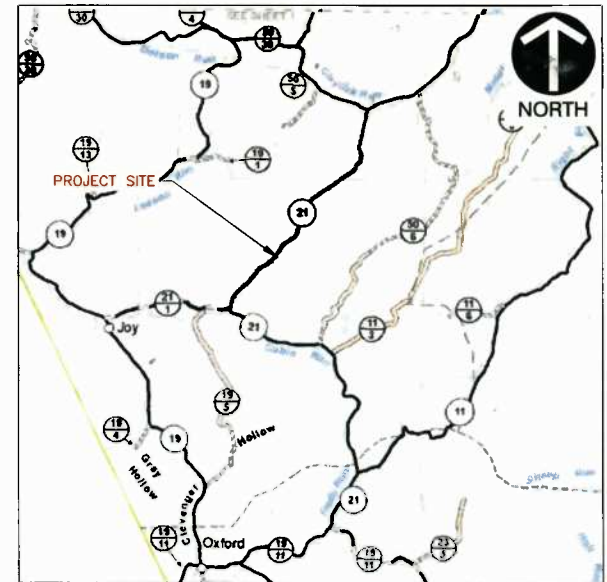
REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



OXFORD ROAD COUNTY ROUTE REHABILITATION CONSTRUCTION PLANS

COUNTY ROUTE 21 (OXFORD ROAD) DODDRIDGE COUNTY, WEST VIRGINIA



LOCATION MAP
SCALE: 1 INCH = 4,000 FEET

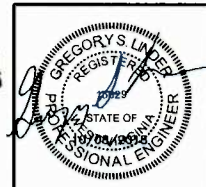
LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE

INDEX TO SHEETS	
NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS AND DETAILS
4	TEMPORARY TRAFFIC CONTROL PLAN
5-15	GEOMETRIC LAYOUT
16-64	PLAN AND PROFILE SHEETS
65	DRAINAGE TABULATION

FLOOD PANEL INFORMATION
BY GRAPHICAL PLOTTING ONLY, THE PROJECT FROM STA. 260+63 TO STA. 266+49, STA. 272+19 TO STA. 285+70 AND STA. 289+53 TO STA. 292+03 IS LOCATED IN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A, ACCORDING TO THE FLOOD INSURANCE RATE MAPS FOR

CONTRACTOR SHALL CONTACT
MISS UTILITY OF WEST VIRGINIA
AT 800-245-4848
AT LEAST 48 HOURS
PRIOR TO BEGINNING WORK.



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

**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

TITLE SHEET

DATE: OCTOBER 2018
DRAWN BY: M.A.S.
AS SHOWN: AS SHOWN
CHECKED BY: P.W.C.
PROJECT NO.: 183-735TR01
APPROVED BY: G.S.L.

DRAWING NO.:

1

SHEET 1 OF 65

SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

I:\wv-bridgeport\projects\2018\183-735-CADD\Drawings\183-735TR01-CONV\TITLE SHEET LS(10/20/18) - (components) - LS 10/20/2018 11:57 AM

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS ROADS AND BRIDGES, ADOPTED 2017, UPDATED 2018, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

DRAINAGE

THE CONTRACTOR SHALL MAINTAIN WORKING STORM DRAINAGE SYSTEMS THROUGH THE WORK AREAS AT ALL TIMES DURING CONSTRUCTION. THE WORKING SYSTEM MAY CONSIST OF THE EXISTING STORM DRAINAGE SYSTEM, THE PROPOSED STORM DRAINAGE SYSTEM OR A COMBINATION THEREOF.

NEW CULVERTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 604 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS ROADS AND BRIDGES ADOPTED 2017, UPDATED 2018.

BENCH MARKS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING BENCH MARK LOCATIONS THROUGHOUT THE LIFE OF THE PROJECT. IN THE EVENT THAT A BENCH MARK IS DISTURBED, THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, SHALL RELOCATE OR REESTABLISH THE BENCH MARK.

VERIFICATIONS OF DIMENSIONS

THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLAN AND ELEVATION DIMENSIONS PRIOR TO ORDERING MATERIALS FOR THE CONSTRUCTION OF THE VARIOUS ITEMS IN THIS CONTRACT.

UTILITIES

THE LOCATIONS OF ALL KNOWN UTILITIES ARE SHOWN ON THE CONTRACT PLANS AND FIELD INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY WHEN PERFORMING WORK WHICH MAY AFFECT THESE FACILITIES, INCLUDING PROBING, EXCAVATION, OR ANY OTHER PRECAUTION REQUIRED TO CONFIRM LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION TO UTILITY LINES WHICH ARE KNOWN ACTIVE AND ARE TO REMAIN IN OPERATION.

EROSION AND SEDIMENT CONTROL

DETAILS NOT SHOWN IN THE PLANS SHALL BE IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, DATED 2006.

THE FIRST ORDER OF WORK FOR THE CONTRACTOR IS TO INSTALL SEDIMENT CONTROL STRUCTURES, SILT FENCE, ETC. TO ESTABLISH EROSION CONTROL AT THE EARLIEST POSSIBLE DATE. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO WHAT IS NECESSARY IN ORDER TO ACCOMPLISH THESE OPERATIONS.

CONTRACTOR IS ADVISED TO REFERENCE THE SITE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER POLLUTION PREVENTION PLAN FOR MORE DETAILED INFORMATION.

ELEVATIONS

ALL ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD 88).

COORDINATES

THE PROJECT DATUM ON THESE PLANS ARE BASED UPON THE NORTH ZONE OF THE WEST VIRGINIA STATE PLANE SYSTEM. THE HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83).

ACCESS

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AND INTERSECTING PUBLIC ROADWAYS LOCATED IN THE CONSTRUCTION AREA AT ALL TIMES.

WORKING HOURS

THE CONTRACTOR SHALL BE PROHIBITED FROM WORKING WITHIN 225 YARDS OF ANY RESIDENCE BETWEEN THE HOURS OF 10:00 PM AND 6:00 AM. ALL CONSTRUCTION EQUIPMENT POWERED BY AN INTERNAL COMBUSTION ENGINE SHALL BE EQUIPPED WITH A PROPERLY MAINTAINED MUFFLER.

STANDARD DETAILS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED MAY 1, 2016 & VOLUME II, DATED JANUARY 1, 1994 SHALL APPLY TO THIS PROJECT.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, EROSION AND SEDIMENT CONTROL MANUAL, DATED MARCH 1, 2003, AND AS AMENDED BY ADDENDUM 1 DATED OCTOBER 1, 2004 SHALL APPLY TO THIS PROJECT.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, TRAFFIC ENGINEERING DIVISION, SIGN FABRICATION DETAILS, DATED SEPTEMBER 2005 SHALL APPLY TO THIS PROJECT.

ALL MANUALS LISTED ABOVE CAN BE FOUND AT:

<http://www.transportation.wv.gov/highways/engineering/pages/publications.aspx>

DRIVEWAYS

THE CONTRACTOR SHALL PROVIDE A SMOOTH AND GRADUAL TRANSITION BETWEEN THE PROPOSED ROADWAY SURFACE AND ALL EXISTING DRIVEWAYS.

PAVEMENT MARKINGS

A DOUBLE YELLOW CENTERLINE SHALL BE APPLIED FOR THE LENGTH OF THE PROJECT ONCE THE FINAL WEARING COURSE HAS BEEN INSTALLED. THE PAVEMENT MARKINGS SHALL BE CENTERLINE, TYPE II, 6 INCH, YELLOW AND SHALL BE IN ACCORDANCE WITH SECTION 663 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS ROADS AND BRIDGES, ADOPTED 2017, UPDATED 2018 AND THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAIL BOOK VOLUME II, DATED JANUARY 1, 1994.

SUMMARY OF ESTIMATED QUANTITIES			
RUC000	CLEARING & GRUBBING; EROSION & SEDIMENT CONTROLS	OXFORD ROAD	
		QUANTITY	UNIT
RUC010	MOBILIZATION	1.0	LS
RUC014	TRAFFIC CONTROL - (INCLUDES TRAFFIC SAFETY DEVICES)	1.0	LS
RUC016	CONSTRUCTION LAYOUT	1.0	LS
RUC080	FLAGGER	1,500.0	HR
RUC083	PILOT TRUCK FOR FLAGGING	750.0	HR
RUC200	SITE - UNCLASSIFIED EXCAVATION		
		QUANTITY	UNIT
RUC208	UNDERCUT EXCAVATION (BASE FAILURES)	2,000.0	CY
RUC224	GRADING DRIVEWAY APPROACHES	40.0	EA
RUC400	AGGREGATE SURFACING - SPREADING, COMPACTION, and/or INSTALLATION		
		QUANTITY	UNIT
RUC412	AGGREGATE CRUSHER RUN (WVDOH CLASS 1)	70.0	TN
RUC412	AGGREGATE CRUSHER RUN (WVDOH CLASS 9) (BASE FAILURE)	3,600.0	TN
RUC413	AGGREGATE SHOULDER STONE (WVDOH CLASS 10)	2,750.0	TN
RUC420	ACCESS ROADS GEOTEXTILE FABRIC (MIRAFI 160N)	250.0	SY
RUC420	ACCESS ROADS GEOTEXTILE FABRIC (MIRAFI HP570)	2,000.0	SY
RUC487	REMOVE EXISTING PAVEMENT SURFACE (FINE MILLING)	66,000.0	SY
RUC490	HMA BASE I (SUPERPAVE HMA BASE COURSE, TYPE 37.5)	17,000.0	TN
RUC495	HMA WEARING I (SUPERPAVE HMA WEARING COURSE, TYPE 19, PG 76-22)	9,500.0	TN
RUC496	TACK COAT FOR INTERMEDIATE COURSE (ASPHALT MATERIAL)	31,500.0	GAL
RUC700	FENCE / SIGNAGE / STRIPPING		
		QUANTITY	UNIT
RUC760	CENTER LINE (WVDOH TEMPORARY PAVEMENT MARKING - PAINT, 6 IN YELLOW)	57,500.00	LF
RUC760	CENTER LINE (WVDOH CENTERLINE, TYPE II, 6 IN YELLOW)	57,500.00	LF

BASE FAILURE ALLOWANCE


ITEM RUC208 UNDERCUT EXCAVATION (BASE FAILURES), ITEM RUC412 AGGREGATE CRUSHER RUN (WVDOH CLASS 9) AND ITEM RUC420 ACCESS ROADS GEOTEXTILE FABRIC (MIRAFI HP570) ARE AS NEEDED ITEMS AND WILL NOT BE USED IF BASE FAILURE REPAIRS ARE NOT REQUIRED.

GRADING DRIVEWAY APPROACHES

ALL MATERIALS AND LABOR, ASPHALT, AGGREGATE, FABRIC FOR SEPARATION, ETC., REQUIRED TO PROVIDE A SMOOTH AND GRADUAL TRANSITION BETWEEN THE PROPOSED ROADWAY SURFACE AND EXISTING DRIVEWAYS SHALL BE INCIDENTAL TO ITEM RUC224 GRADING DRIVEWAY APPROACHES

SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION



Civil & Environmental Consultants, Inc.
 600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330
 Ph: 304.933.3119 - 855.486.9539 - Fax: 304.933.3327
 www.cecinc.com

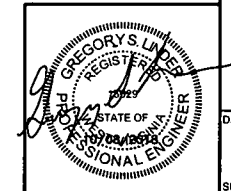
EGT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

GENERAL NOTES AND SUMMARY OF QUANTITIES

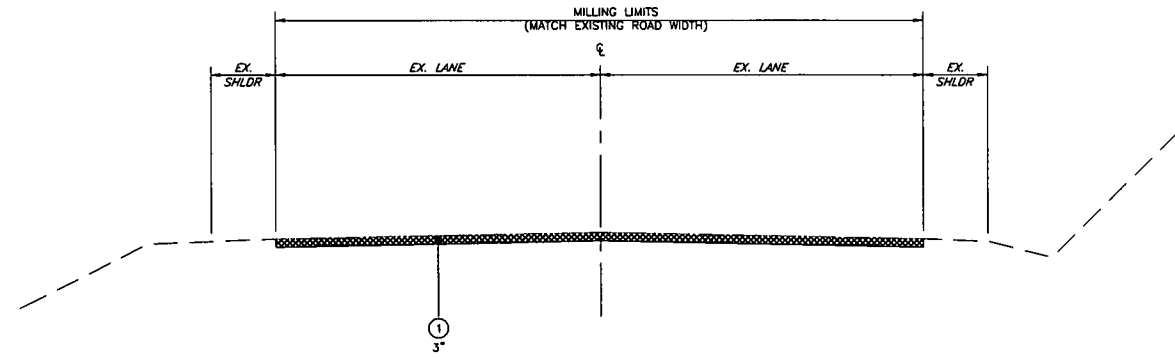
DATE: OCTOBER 2018 DRAWN BY: MAS
 AS SHOWN CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: GSJ

DRAWING NO.: **2**

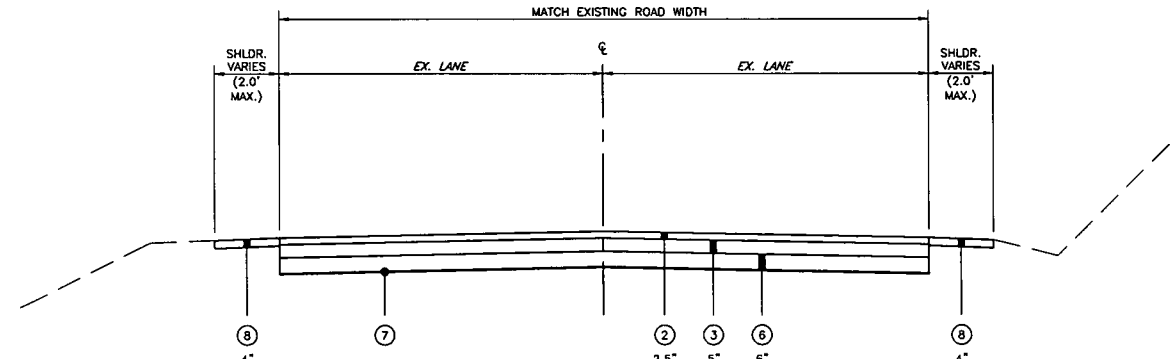
SHEET 2 OF 65



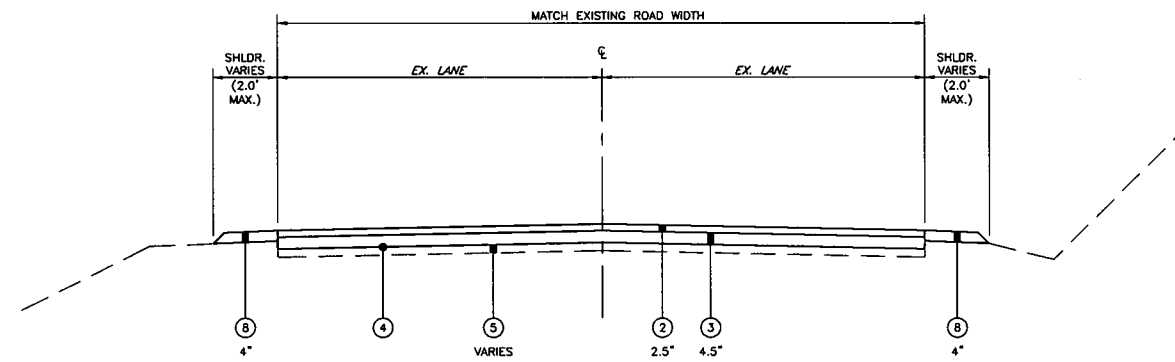
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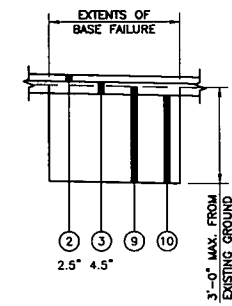
**DODDRIDGE COUNTY ROUTE 21
FINE MILLING TYPICAL**
STA. 10+12.62 TO STA. 296+50.00
NOT TO SCALE



**DODDRIDGE COUNTY ROUTE 21
FULL DEPTH REPLACEMENT TYPICAL**
STA. 108+52 TO STA. 109+48
NOT TO SCALE



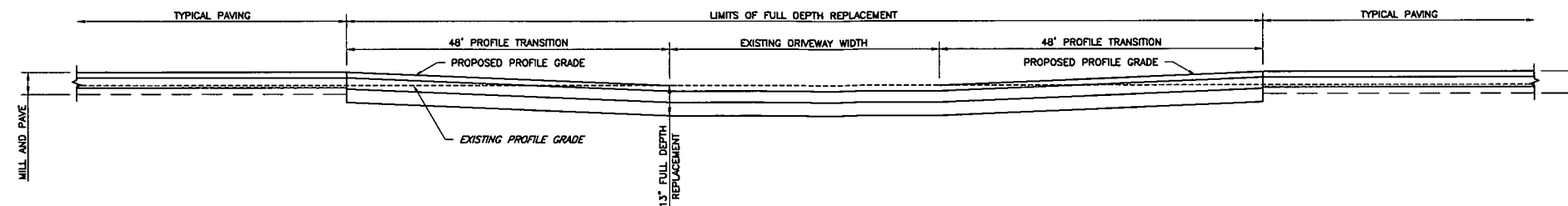
**DODDRIDGE COUNTY ROUTE 21
PAVEMENT TYPICAL**
STA. 10+12.62 TO STA. 108+52
STA. 109+48 TO STA. 296+50.00
NOT TO SCALE



**DODDRIDGE COUNTY ROUTE 21
BASE FAILURE REPAIR**
AS NEEDED
NOT TO SCALE

- LEGEND**
- ① REMOVE EXSITING PAVEMENT SURFACE (FINE MILLING)
 - ② HMA WEARING (SUPERPAVE HOT-MIX ASPHALT WEARING COURSE, TYPE 19, PG 76-22)
 - ③ HMA BASE 1 (SUPERPAVE HOT-MIX ASPHALT BASE COURSE, TYPE 37.5)
 - ④ TACK COAT FOR INTERMEDIATE COURSE (ASPHALT MATERIAL)
 - ⑤ EXISTING PAVEMENT
 - ⑥ AGGREGATE CRUSHER RUN (WDOH CLASS 1)
 - ⑦ ACCESS ROADS GEOTEXTILE FABRIC (MIRAFI 160N)
 - ⑧ AGGREGATE SHOULDER STONE (WDOH CLASS 10)
 - ⑨ UNDERCUT EXCAVATION (BASE FAILURES)
 - ⑩ AGGREGATE CRUSHER RUN (WDOH CLASS 9)

DESIGN ESAL VALUE
THE DESIGN ESAL VALUE FOR THIS PROJECT IS 1,120,500.



FULL DEPTH REPLACEMENT TRANSITION DETAIL
(SEE FULL DEPTH REPLACEMENT TYPICAL FOR STATION RANGES)
NOT TO SCALE

SUBMITTAL & REVISION RECORD

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.cecinc.com

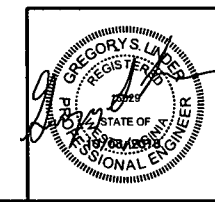
**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

TYPICAL SECTIONS AND DETAILS

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	NTS	CHECKED BY:	PWC
PROJECT NO.:	183-731TR01	APPROVED BY:	GSL

DRAWING NO.: **3**

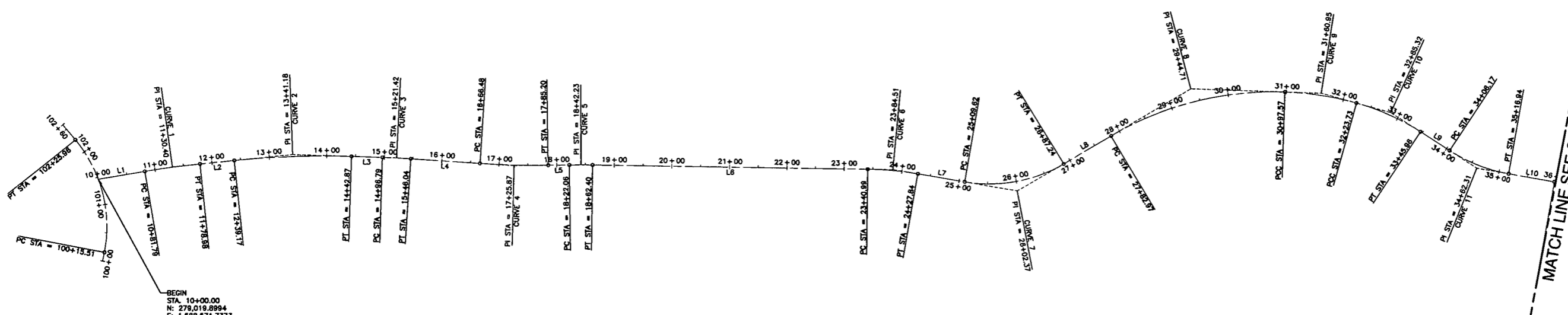
SHEET 3 OF 65



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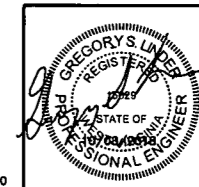
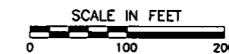
CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 1	11+30.40	003°42'45"	003°49'11"	48.61	97.19	1500.00	0.79
CURVE 2	13+41.18	007°46'50"	003°49'11"	102.00	203.69	1500.00	3.46
CURVE 3	15+21.42	001°52'52"	003°49'11"	24.63	49.25	1500.00	0.20
CURVE 4	17+25.87	004°32'05"	003°49'11"	59.39	118.72	1500.00	1.17
CURVE 5	18+42.23	001°32'27"	003°49'11"	20.17	40.34	1500.00	0.14
CURVE 6	23+84.51	009°02'51"	010°25'03"	43.52	86.85	550.00	1.71
CURVE 7	26+02.37	040°42'27"	022°55'06"	92.74	177.62	250.00	15.61
CURVE 8	29+44.71	032°46'22"	010°25'03"	161.73	314.60	550.00	22.34
CURVE 9	31+60.95	013°41'21"	010°51'04"	63.38	126.16	528.02	3.76
CURVE 10	32+85.32	017°30'32"	014°19'26"	61.60	122.23	400.00	4.66
CURVE 11	34+62.31	023°04'45"	020°50'05"	56.15	110.77	275.00	5.56



LINE TABLE		
LINE #	BEARING	LENGTH
L1	S02°08'16.68"W	81.79
L2	S05°51'01.42"W	60.19
L3	S13°37'51.31"W	53.92
L4	S15°30'43.69"W	120.43
L5	S10°58'36.61"W	36.88
L6	S12°31'05.66"W	478.60
L7	S21°33'57.13"W	81.78
L8	S19°08'30.36"E	95.73
L9	S44°49'44.55"W	60.21
L10	S21°44'59.78"W	80.80

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

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

SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION

DRAWING NO.:
5
SHEET 5 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=100'
CHECKED BY: PWC
PROJECT NO.: 18575TR01
APPROVED BY: GSL



NORTH

CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 22	66+83.57	002°06'28"	003°49'11"	27.60	55.18	1500.00	0.25
CURVE 23	69+01.35	000°46'01"	003°49'11"	10.04	20.08	1500.00	0.03
CURVE 24	70+76.12	005°22'02"	006°21'58"	42.19	84.31	900.00	0.99
CURVE 25	72+91.28	011°39'10"	008°11'06"	71.43	142.37	700.00	3.62
CURVE 26	74+20.07	018°23'12"	016°01'44"	57.85	114.71	357.45	4.59
CURVE 27	75+17.31	009°14'01"	011°27'33"	40.38	80.58	500.00	1.62
CURVE 28	78+17.90	006°53'02"	003°16'27"	105.26	210.26	1750.00	3.16
CURVE 29	81+21.74	028°54'35"	011°27'33"	128.89	252.29	500.00	15.83
CURVE 30	85+47.17	006°31'27"	007°09'43"	45.60	91.10	800.00	1.30
CURVE 31	88+34.77	013°18'22"	007°09'43"	93.31	185.79	800.00	5.39
CURVE 32	91+97.02	018°42'22"	006°11'39"	152.35	302.00	925.00	12.30

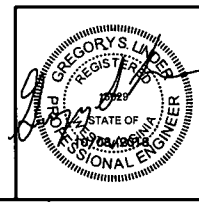
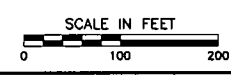
MATCH LINE SEE SHEET 6

MATCH LINE SEE SHEET 8

LINE TABLE		
LINE #	BEARING	LENGTH
L18	S20°41'26.64"W	147.87
L19	S18°34'58.17"W	180.15
L20	S17°48'57.27"W	122.54
L21	S12°26'54.91"W	101.61
L22	S51°43'17.75"W	155.14
L23	S56°36'19.79"W	69.94
L24	S28°41'44.57"W	256.44
L25	S36°13'11.79"W	148.79
L26	S49°31'33.94"W	117.43

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REFERENCE
 1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
 GEOMETRIC LAYOUT
 DATE: OCTOBER 2018 DRAWN BY: MAS
 DWGS SCALE: 1"=100' CHECKED BY: PWC
 PROJECT NO: 183-235TR01
 APPROVED BY: GSI

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

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

SUBMITTAL & REVISION RECORD
 NO. DATE DESCRIPTION

NO.	DATE	DESCRIPTION



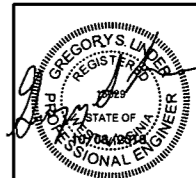
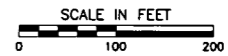
LINE TABLE		
LINE #	BEARING	LENGTH
L27	S27°50'12.58"W	57.47
L28	S39°00'08.40"W	201.12
L29	S50°14'41.89"W	365.57
L30	S43°04'07.36"W	362.33
L31	S12°19'20.69"W	362.99

MATCH LINE SEE SHEET 7

MATCH LINE SEE SHEET 9

CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 33	94+22.21	017°11'04"	011°27'33"	75.55	149.96	500.00	5.61
CURVE 34	95+29.62	008°07'09"	012°19'33"	32.99	65.87	464.84	1.17
CURVE 35	95+95.62	015°05'31"	022°55'06"	33.12	65.85	250.00	2.17
CURVE 36	97+27.07	009°25'56"	011°27'33"	41.25	82.31	500.00	1.69
CURVE 37	98+29.09	004°39'16"	003°49'11"	60.96	121.85	1500.00	1.24
CURVE 38	99+28.23	002°55'16"	003°49'11"	38.25	76.48	1500.00	0.49
CURVE 39	102+21.71	011°14'33"	010°25'03"	54.13	107.92	550.00	2.64
CURVE 40	106+72.43	007°10'35"	011°27'33"	31.35	62.62	500.00	0.98
CURVE 41	111+62.26	030°44'47"	016°22'13"	96.23	187.82	350.00	12.52
CURVE 43	116+94.57	054°08'35"	039°48'51"	73.55	135.99	143.91	15.77
CURVE 42	116+18.93	003°11'30"	076°23'40"	2.09	4.18	75.00	0.03

- REFERENCE**
- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 - THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

CEL
Civil & Environmental Consultants, Inc.
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SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION

DRAWING NO.: **8**
SHEET 8 OF 65

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LINE #	BEARING	LENGTH
L32	S72°58'47.38"E	231.57
L33	S50°28'54.53"E	121.52
L34	S57°48'12.62"E	147.28
L35	S40°52'43.29"E	131.72
L36	S53°42'02.94"E	107.57
L37	S45°06'29.09"E	120.47
L38	S57°42'44.27"E	293.34
L39	S74°50'59.36"E	133.83
L40	N87°04'23.84"E	52.93
L41	S73°53'41.43"E	56.21

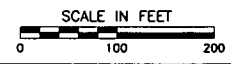
MATCH LINE SEE SHEET 8

MATCH LINE SEE SHEET 10

CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 44	118+06.81	027°58'03"	028°38'52"	49.81	97.62	200.00	5.93
CURVE 45	121+65.76	022°29'53"	014°19'26"	79.56	157.07	400.00	7.68
CURVE 46	123+96.78	007°19'18"	011°27'33"	31.99	63.89	500.00	1.02
CURVE 47	126+50.36	016°55'29"	011°27'33"	74.39	147.70	500.00	5.44
CURVE 48	129+17.18	012°49'20"	010°25'03"	61.80	123.08	550.00	3.44
CURVE 49	131+16.09	008°35'34"	014°19'26"	30.05	59.99	400.00	1.12
CURVE 50	133+60.37	012°36'15"	006°44'26"	93.87	186.99	850.00	5.14
CURVE 51	138+52.30	017°08'15"	008°11'06"	105.47	209.37	700.00	7.81
CURVE 52	141+77.53	018°04'37"	010°25'03"	87.49	173.53	550.00	6.83
CURVE 53	143+91.93	019°01'55"	012°43'57"	75.43	149.48	450.00	6.19

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



SUBMITTAL & REVISION RECORD	
NO.	DESCRIPTION

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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EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

DRAWING NO.: **9**

SHEET 9 OF 65

DATE: OCTOBER 2018
 DWG SCALE: 1"=100'
 PROJECT NO.: 183-735TR01
 APPROVED BY: GSEL

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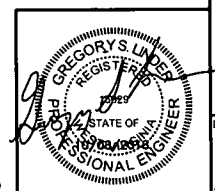
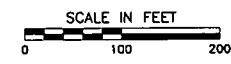
LINE TABLE		
LINE #	BEARING	LENGTH
L42	S85°24'49.00"E	313.41
L43	S88°18'04.81"E	289.03
L44	N88°13'34.78"E	195.24
L45	N72°16'51.45"E	45.90
L46	S46°07'13.62"E	59.18
L47	S54°05'28.41"E	112.90
L48	S50°07'49.46"E	48.14
L49	S44°47'29.79"E	169.29
L50	S03°05'23.43"W	103.16

CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 54	145+97.82	011°31'08"	007°38'22"	75.65	150.78	750.00	3.79
CURVE 55	150+24.17	002°53'16"	003°49'11"	37.81	75.60	1500.00	0.48
CURVE 56	153+96.47	003°28'20"	003°49'11"	45.47	90.91	1500.00	0.69
CURVE 57	157+07.18	015°56'43"	011°27'33"	70.03	139.15	500.00	4.83
CURVE 58	158+81.81	061°35'55"	057°17'45"	59.61	107.51	100.00	14.10
CURVE 59	160+23.70	007°58'15"	011°27'33"	34.84	69.56	500.00	1.21
CURVE 60	161+88.62	003°57'39"	011°27'33"	17.29	34.56	500.00	0.30
CURVE 61	163+23.96	005°20'20"	003°49'11"	69.94	139.77	1500.00	1.63
CURVE 62	166+62.98	047°52'53"	025°27'53"	99.90	188.03	225.00	19.36
CURVE 63	168+74.74	004°41'14"	011°27'33"	20.46	40.90	500.00	0.42
CURVE 64	171+33.22	018°14'41"	003°51'54"	238.04	472.05	1482.42	18.75
CURVE 65	174+78.08	019°21'25"	008°48'53"	110.85	219.60	650.00	9.25

MATCH LINE SEE SHEET 9

MATCH LINE SEE SHEET 11

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



**DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT**

DRAWING NO.: **10**
SHEET 10 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=100'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

**EGT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

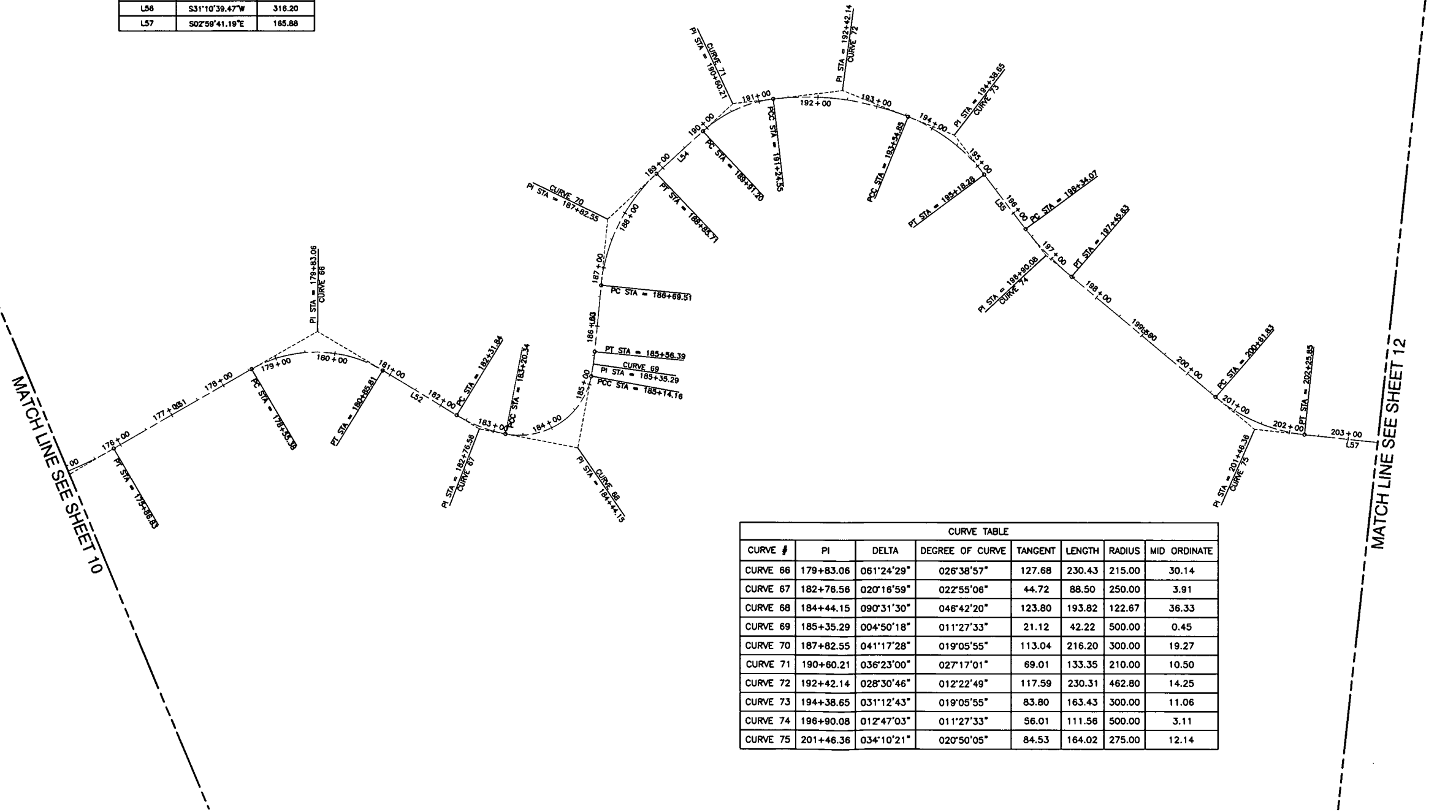
Civil & Environmental Consultants, Inc.
600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330
Ph: 304.833.3119 • 855.488.9539 • Fax: 304.933.3327
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SUBMITTAL & REVISION RECORD	
NO	DESCRIPTION

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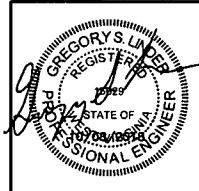
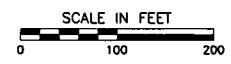


LINE TABLE		
LINE #	BEARING	LENGTH
L51	S39°11'56.36"E	268.56
L52	S22°12'33.13"W	146.03
L53	N86°33'45.32"E	113.12
L54	S32°08'48.31"E	105.48
L55	S43°57'42.78"W	115.79
L56	S31°10'39.47"W	316.20
L57	S02°59'41.19"E	165.68



CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 66	179+83.06	061°24'29"	026°38'57"	127.68	230.43	215.00	30.14
CURVE 67	182+76.56	020°16'59"	022°55'06"	44.72	88.50	250.00	3.91
CURVE 68	184+44.15	090°31'30"	046°42'20"	123.80	193.82	122.67	36.33
CURVE 69	185+35.29	004°50'18"	011°27'33"	21.12	42.22	500.00	0.45
CURVE 70	187+82.55	041°17'28"	019°05'55"	113.04	216.20	300.00	19.27
CURVE 71	190+60.21	036°23'00"	027°17'01"	69.01	133.35	210.00	10.50
CURVE 72	192+42.14	028°30'46"	012°22'49"	117.59	230.31	462.80	14.25
CURVE 73	194+38.65	031°12'43"	019°05'55"	83.80	163.43	300.00	11.06
CURVE 74	196+90.08	012°47'03"	011°27'33"	56.01	111.56	500.00	3.11
CURVE 75	201+46.36	034°10'21"	020°50'05"	84.53	164.02	275.00	12.14

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO: 183-735TR01
APPROVED BY: GSL

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
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SUBMITTAL & REVISION RECORD	
NO	DESCRIPTION



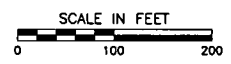
LINE TABLE		
LINE #	BEARING	LENGTH
L58	S05°44'22.61"W	120.14
L59	S39°55'47.11"E	120.33
L60	S13°16'38.41"E	82.20
L61	S10°22'25.13"E	537.08
L62	S11°43'49.42"E	79.80
L63	S26°45'25.50"W	440.90
L64	S23°08'54.26"W	35.30
L65	S24°42'13.64"W	82.08

CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 76	205+06.28	008°44'04"	003°49'11"	114.55	228.67	1500.00	4.36
CURVE 77	208+36.35	016°46'12"	008°48'53"	95.81	190.25	650.00	6.95
CURVE 78	210+15.97	016°09'59"	009°33'09"	85.19	169.24	599.80	5.96
CURVE 79	211+27.92	012°43'58"	022°55'06"	27.89	55.56	250.00	1.54
CURVE 80	213+58.82	026°39'09"	016°22'13"	82.91	162.81	350.00	9.42
CURVE 81	215+26.27	002°54'13"	005°43'46"	25.34	50.68	1000.00	0.32
CURVE 82	221+18.29	001°21'24"	002°17'31"	29.60	59.20	2500.00	0.18
CURVE 83	222+88.78	038°29'15"	032°44'26"	61.09	117.55	175.00	9.78
CURVE 84	228+64.89	003°36'31"	002°17'31"	78.76	157.46	2500.00	1.24
CURVE 85	230+12.83	001°33'19"	002°17'31"	33.94	67.87	2500.00	0.23
CURVE 86	231+69.63	009°19'35"	011°27'33"	40.78	81.39	500.00	1.66

MATCH LINE SEE SHEET 11

MATCH LINE SEE SHEET 12

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

DRAWING NO.: **12**

SHEET 12 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO.: 163-7357-PR01
APPROVED BY: GSL

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

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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SUBMITTAL & REVISION RECORD

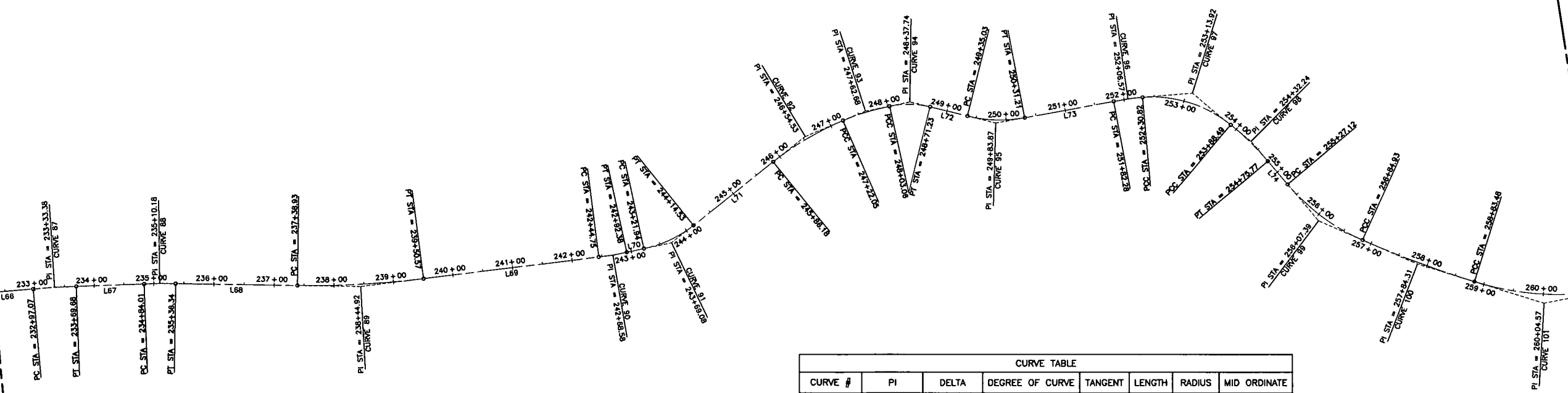
NO	DATE	DESCRIPTION



LINE TABLE		
LINE #	BEARING	LENGTH
L66	S34°01'48.46"W	86.83
L67	S36°48'12.90"W	114.33
L68	S39°48'05.88"W	202.59
L69	S31°43'03.83"W	294.18
L70	S26°45'17.83"W	29.55
L71	S00°13'38.72"W	171.84
L72	S52°50'16.09"W	63.80
L73	S28°20'41.06"W	151.07
L74	S88°38'17.68"W	51.35

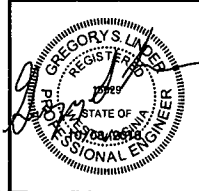
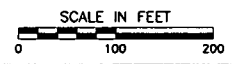
MATCH LINE SEE SHEET 12

MATCH LINE SEE SHEET 13



CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 87	233+33.38	002°46'24"	003°49'11"	38.31	72.61	1500.00	0.44
CURVE 88	235+10.18	002°59'53"	005°43'46"	26.17	52.33	1000.00	0.34
CURVE 89	238+44.92	008°05'02"	003°49'11"	105.99	211.64	1500.00	3.73
CURVE 90	242+68.58	004°57'46"	010°25'03"	23.83	47.64	550.00	0.52
CURVE 91	243+69.08	026°31'38"	026°38'52"	47.14	92.60	200.00	5.34
CURVE 92	246+54.53	015°34'11"	011°27'33"	68.36	135.87	500.00	4.61
CURVE 93	247+62.68	011°00'11"	013°34'55"	40.63	81.01	421.85	1.94
CURVE 94	248+37.74	026°02'15"	038°11'50"	34.68	68.17	150.00	3.86
CURVE 95	249+83.87	024°29'35"	025°27'53"	48.84	96.18	225.00	5.12
CURVE 96	252+06.57	005°33'41"	011°27'33"	24.29	48.53	500.00	0.59
CURVE 97	253+13.92	044°43'47"	028°22'08"	83.10	157.67	201.97	15.19
CURVE 98	254+32.24	010°00'08"	011°27'33"	43.75	87.28	500.00	1.90
CURVE 99	256+07.39	025°49'57"	016°22'13"	80.27	157.80	350.00	8.86
CURVE 100	257+84.31	006°28'30"	003°15'40"	99.38	198.56	1756.98	2.80
CURVE 101	260+04.57	028°36'11"	012°03'44"	121.09	237.13	475.00	14.72

- REFERENCE**
- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 - THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

DATE: OCTOBER 2018 DRAWN BY: MAS
DWG SCALE: 1"=100' CHECKED BY: PWC
PROJECT NO: 185-735TR01
APPROVED BY: GSL

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

Civil & Environmental Consultants, Inc.
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304-933-3119 · 855-488-9539 · Fax: 304-933-3327
www.ceinc.com

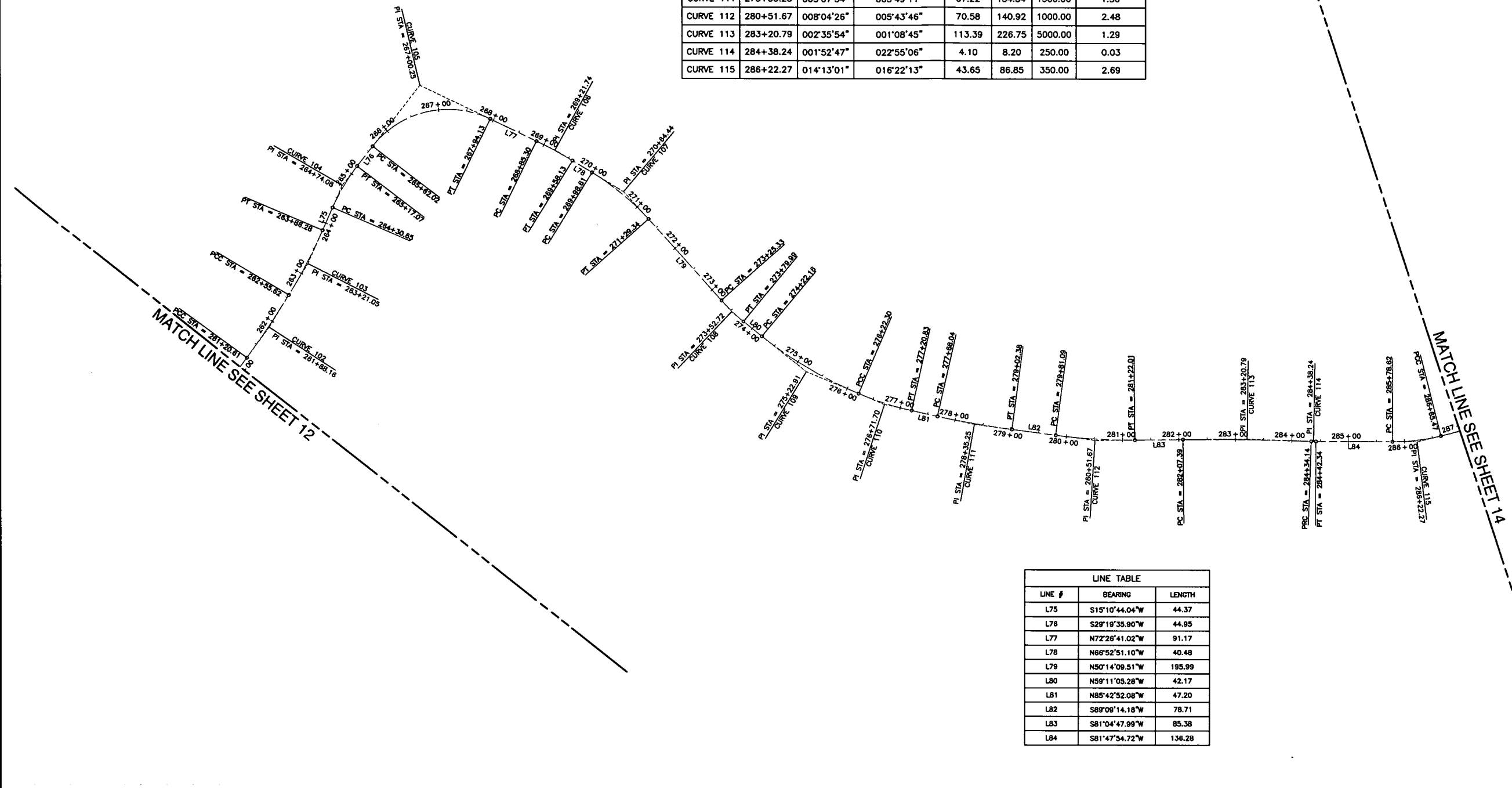
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION



NORTH

CURVE TABLE							
CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 102	261+88.16	005°03'45"	003°44'59"	67.55	135.01	1528.04	1.49
CURVE 103	263+21.05	007°29'10"	005°43'46"	65.42	130.66	1000.00	2.13
CURVE 104	264+74.08	014°08'52"	016°22'13"	43.43	86.42	350.00	2.66
CURVE 105	267+00.25	078°13'43"	033°42'12"	138.23	232.11	170.00	38.10
CURVE 106	269+21.74	005°33'50"	007°38'22"	36.44	72.83	750.00	0.88
CURVE 107	270+64.44	016°38'42"	012°43'57"	65.83	130.73	450.00	4.74
CURVE 108	273+52.72	008°56'56"	016°22'13"	27.39	54.67	350.00	1.07
CURVE 109	275+22.91	016°15'55"	008°07'37"	100.75	200.14	705.00	7.09
CURVE 110	276+71.70	010°15'52"	010°25'03"	49.40	98.53	550.00	2.21
CURVE 111	278+35.25	005°07'54"	003°49'11"	67.22	134.34	1500.00	1.50
CURVE 112	280+51.67	008°04'26"	005°43'46"	70.58	140.92	1000.00	2.48
CURVE 113	283+20.79	002°35'54"	001°08'45"	113.39	226.75	5000.00	1.29
CURVE 114	284+38.24	001°52'47"	022°55'06"	4.10	8.20	250.00	0.03
CURVE 115	286+22.27	014°13'01"	016°22'13"	43.65	86.85	350.00	2.69



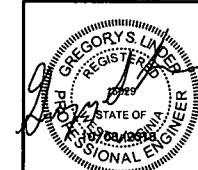
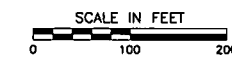
MATCH LINE SEE SHEET 12

MATCH LINE SEE SHEET 14

LINE TABLE		
LINE #	BEARING	LENGTH
L75	S15°10'44.04"W	44.37
L76	S29°19'35.90"W	44.95
L77	N72°26'41.02"W	91.17
L78	N68°52'51.10"W	40.48
L79	N50°14'09.51"W	195.99
L80	N59°11'05.28"W	42.17
L81	N85°42'52.08"W	47.20
L82	S89°09'14.18"W	78.71
L83	S81°04'47.99"W	85.38
L84	S81°47'54.72"W	138.28

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

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Civil & Environmental Consultants, Inc.
600 Marketplace Ave. Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · 855.489.9599 · Fax: 304.933.3327
www.cetcinc.com

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=100'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01	APPROVED BY:	GSL

DRAWING NO. 14
SHEET 14 OF 65

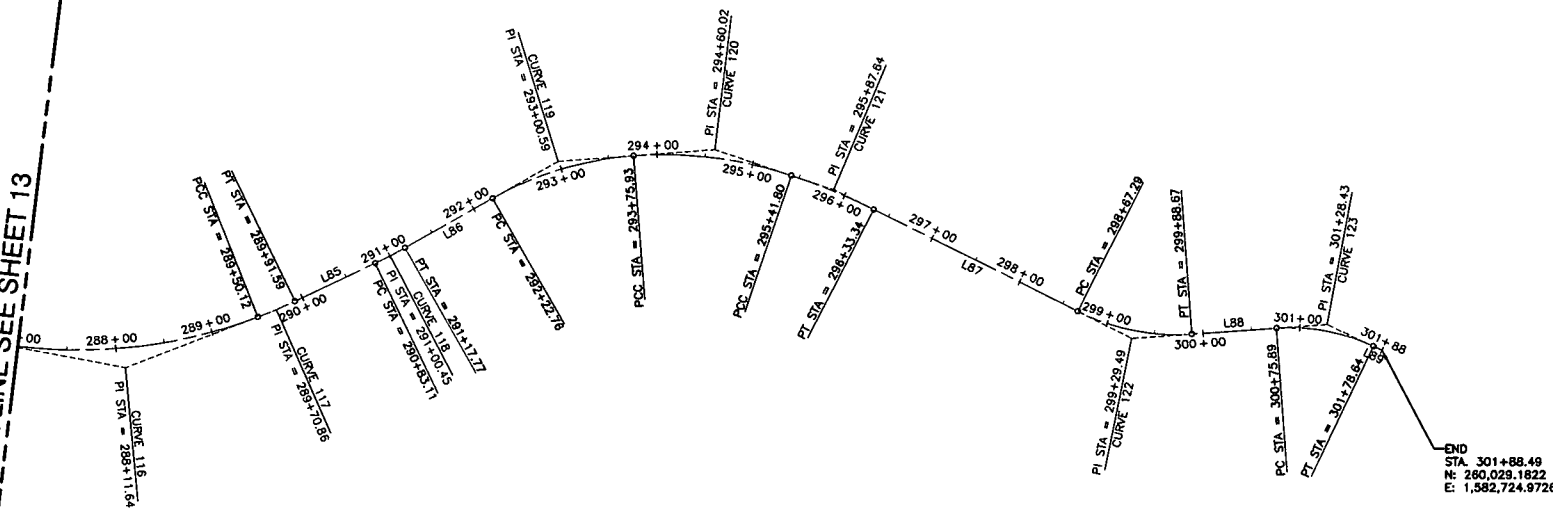
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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MATCHLINE SEE SHEET 13

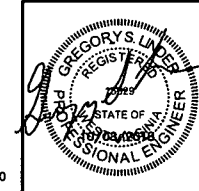
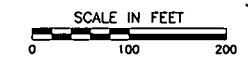


LINE #	BEARING	LENGTH
L85	S31°09'31.00"W	91.53
L86	S27°11'14.30"W	104.99
L87	S63°30'30.77"W	233.95
L88	S52°35'56.10"W	87.22
L89	S82°02'11.37"W	9.85

CURVE #	PI	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	MID ORDINATE
CURVE 116	288+11.64	032°06'09"	011°16'41"	146.17	284.65	508.03	19.81
CURVE 117	289+70.86	004°19'13"	010°25'03"	20.75	41.47	550.00	0.39
CURVE 118	291+00.45	003°58'17"	011°27'33"	17.34	34.66	500.00	0.30
CURVE 119	293+00.59	025°04'32"	016°22'13"	77.84	153.18	350.00	8.35
CURVE 120	294+60.02	023°10'38"	013°58'24"	84.08	165.87	410.03	8.36
CURVE 121	295+87.64	008°04'07"	008°48'53"	45.84	91.53	650.00	1.61
CURVE 122	299+29.49	030°54'35"	025°27'53"	62.21	121.38	225.00	8.14
CURVE 123	301+28.43	029°26'15"	028°38'52"	52.54	102.76	200.00	6.56

END
STA 301+88.49
N: 280,023,1822
E: 1,582,724,9728

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DODDRIDGE COUNTY ROUTE 21
GEOMETRIC LAYOUT

DRAWING NO.: **15**

SHEET 15 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=100'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

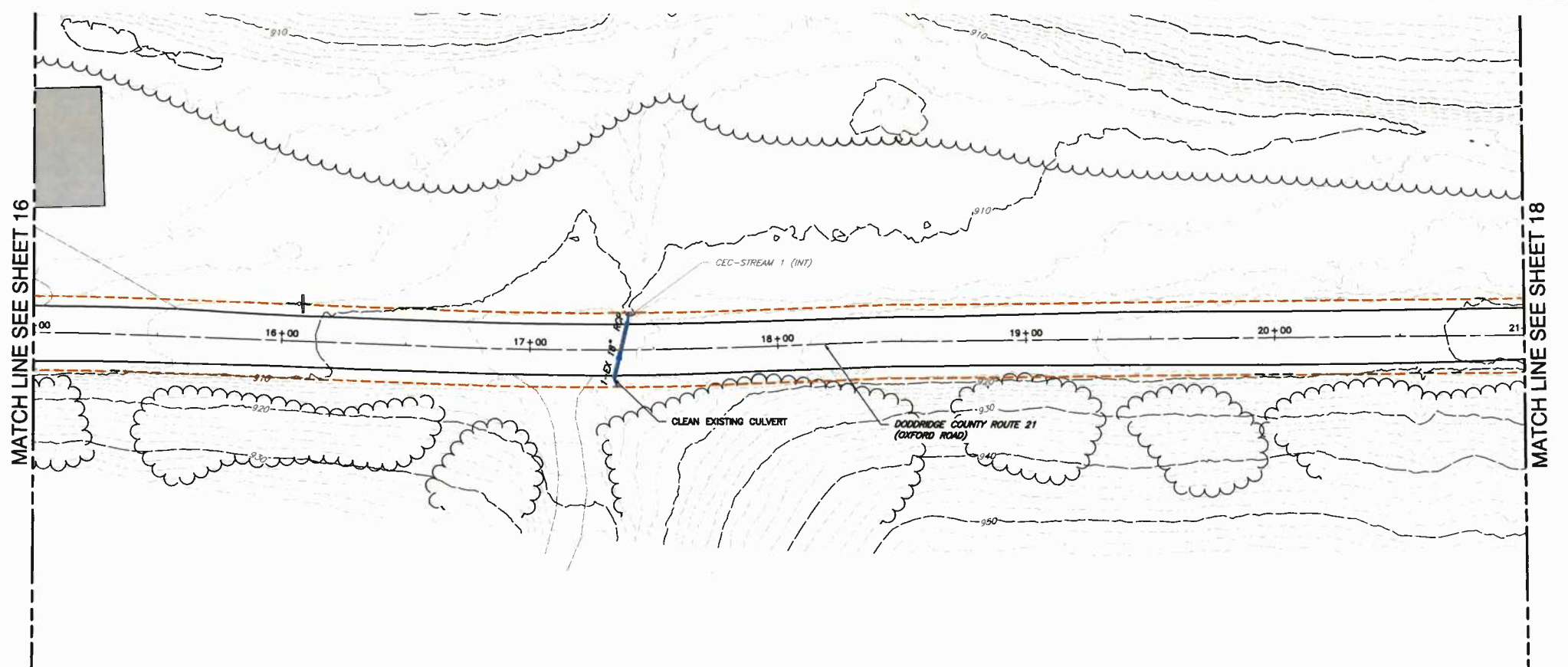
EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

CEL
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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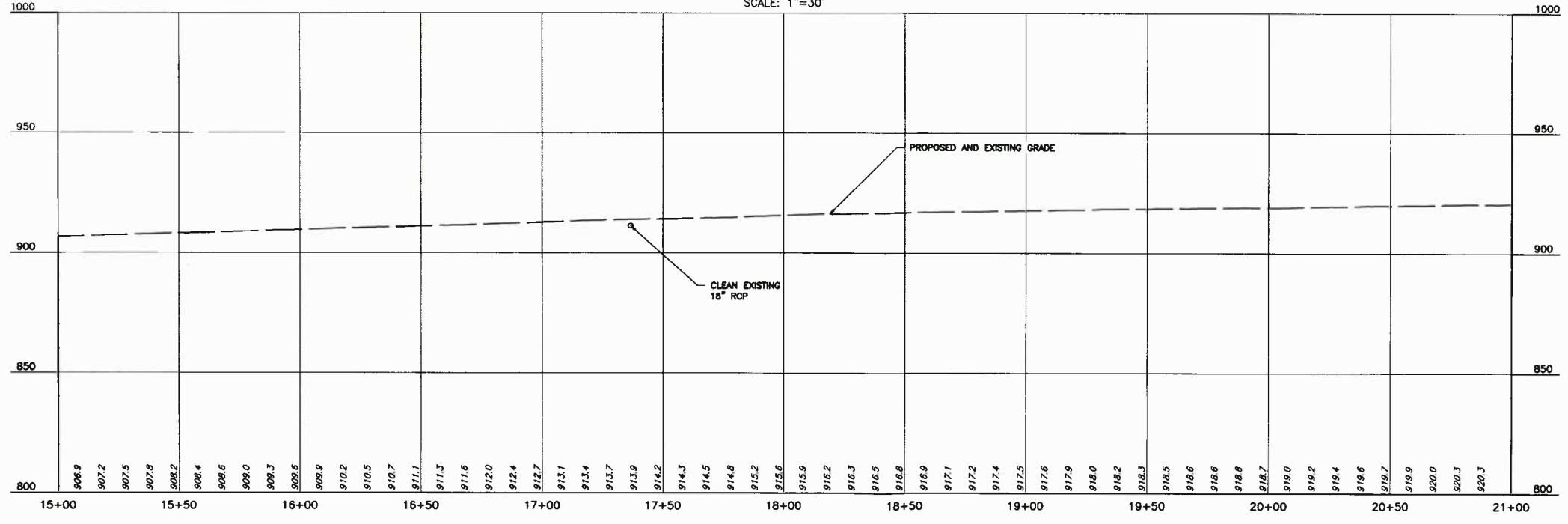
SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

850	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
600 Marketplace Ave. · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · 855.486.9539 · Fax: 304.933.3327
www.cecnw.com

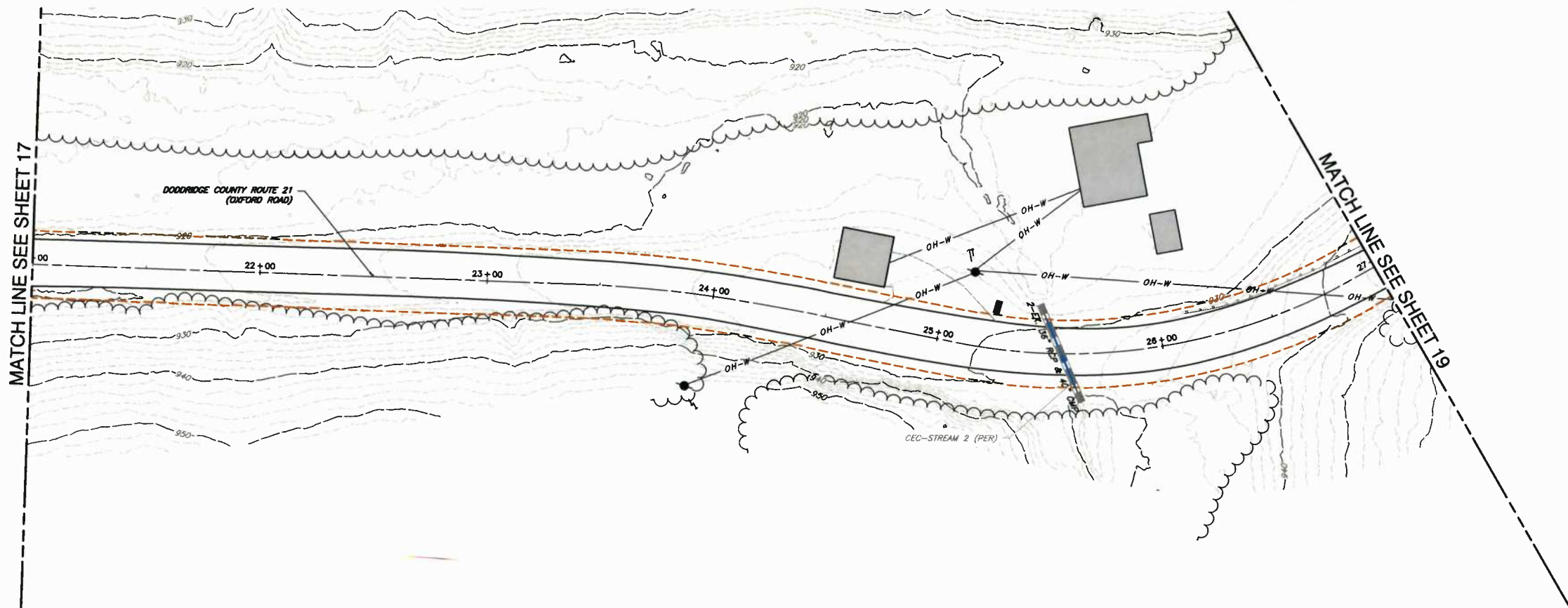
**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

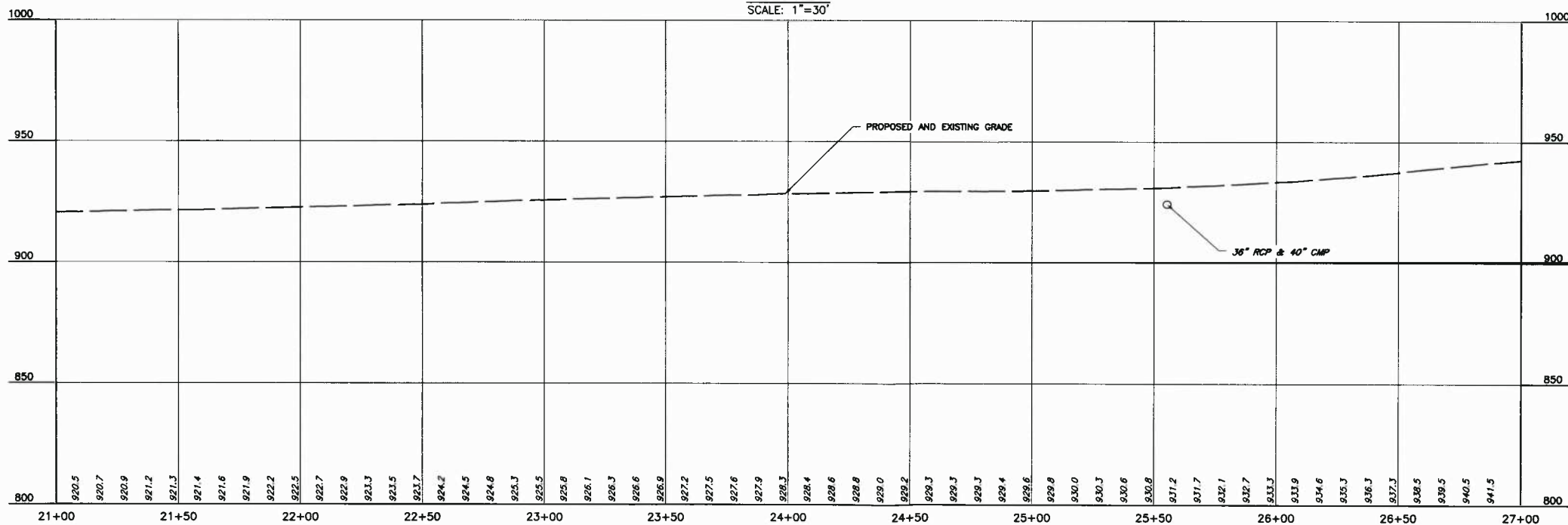
DRAWING NO.: **17**

SHEET 17 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL



PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **18**
SHEET 18 OF 65

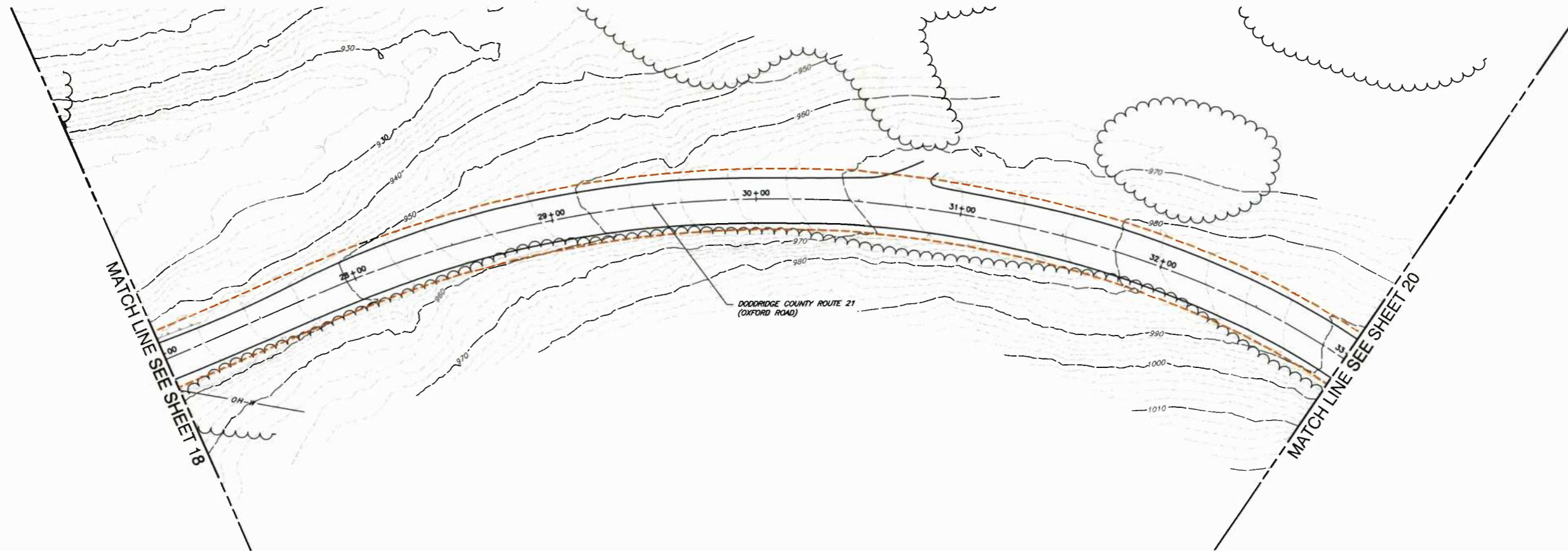
DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO.: 183-751R01
APPROVED BY: G.S.L.

**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

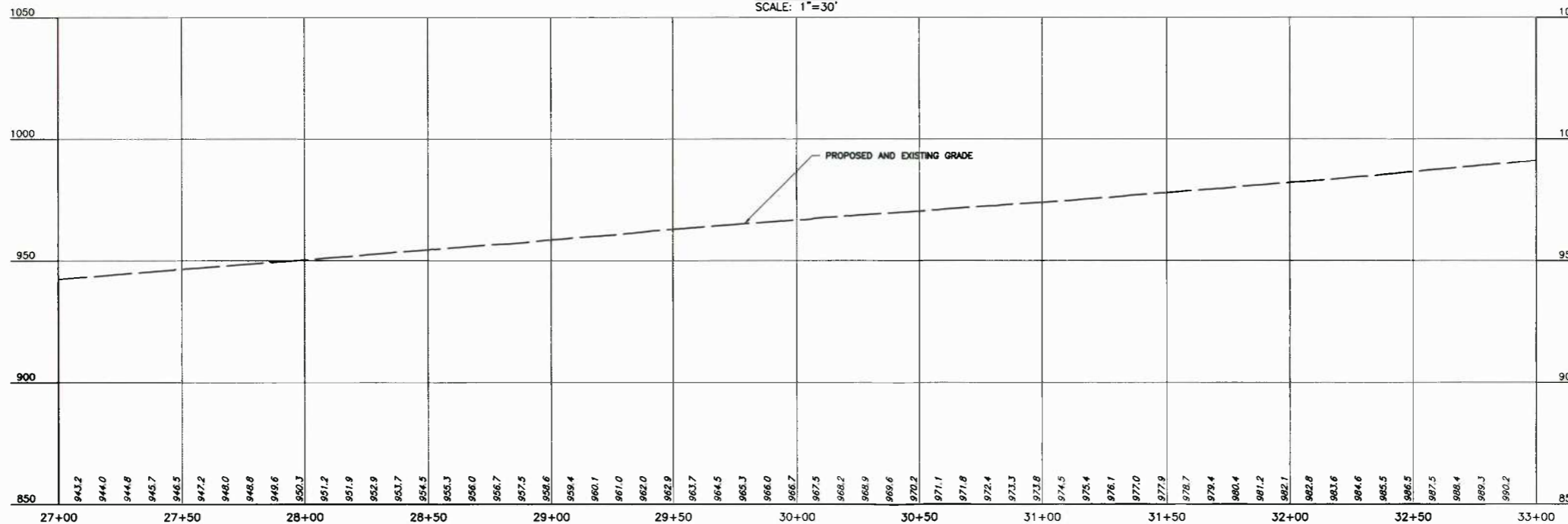
C&E
Civil & Environmental Consultants, Inc.
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · 855.486.9539 · Fax: 304.933.3327
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NO	DATE	DESCRIPTION

I:\wv-projects\183-751R01\183-751R01-PLAN\PLAN SHEET - 17 (S:\10/2/2018 - 10/2/2018) - LP 10/2/2018 12:00 PM



PLAN VIEW
SCALE: 1"=30'

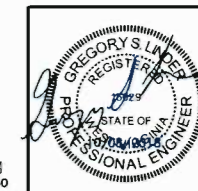


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND			
	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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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
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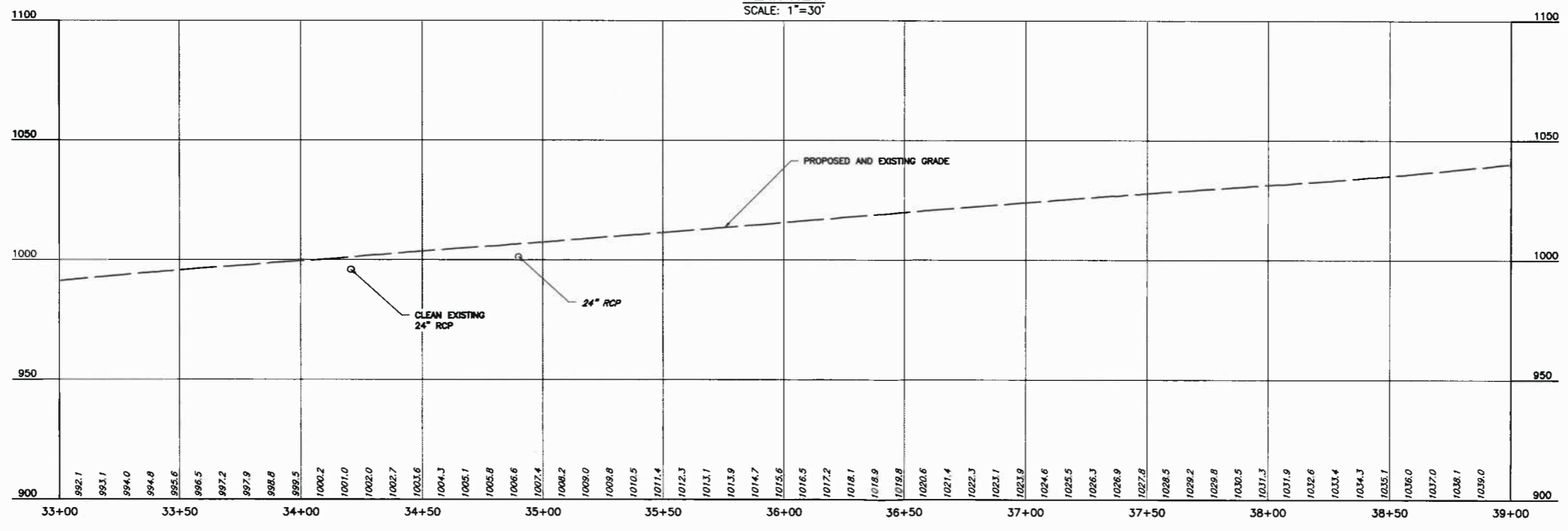
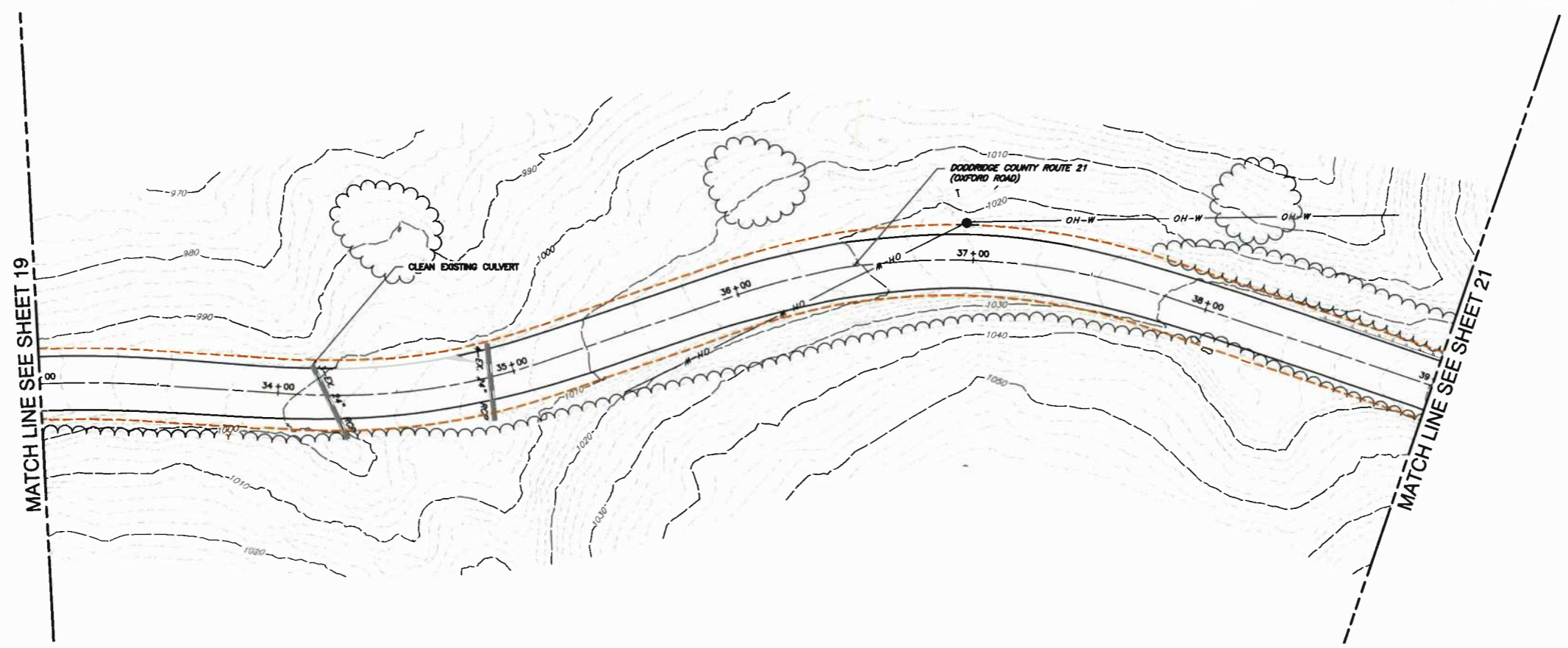
EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DATE: OCTOBER 2018 DRAWN BY: MAS
 DWG SCALE: 1"=30' CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: G.S.L.

DRAWING NO: **19**
 SHEET 19 OF 65

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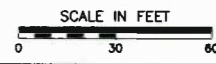


LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA ZONE A		

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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Ph: 304.933.3119 · 855.486.9539 · Fax: 304.933.3327
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**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

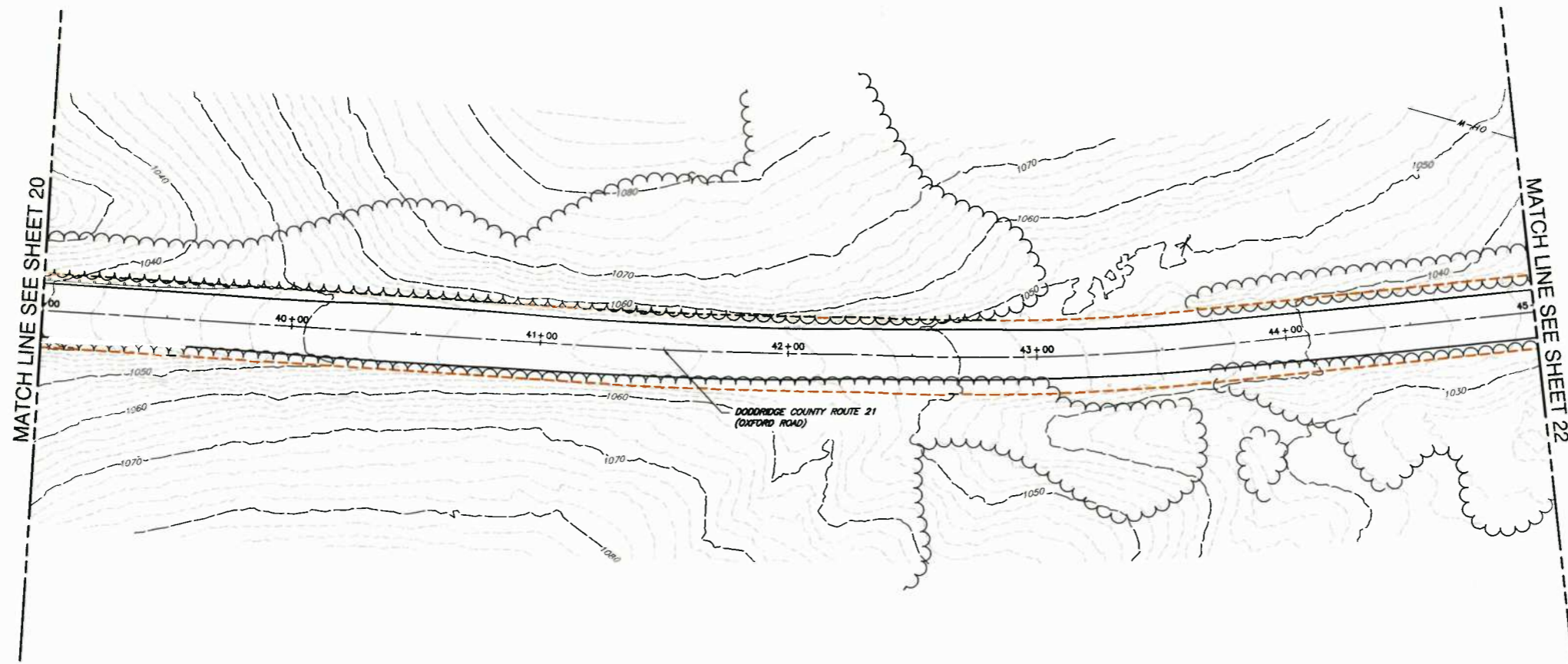
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **20**

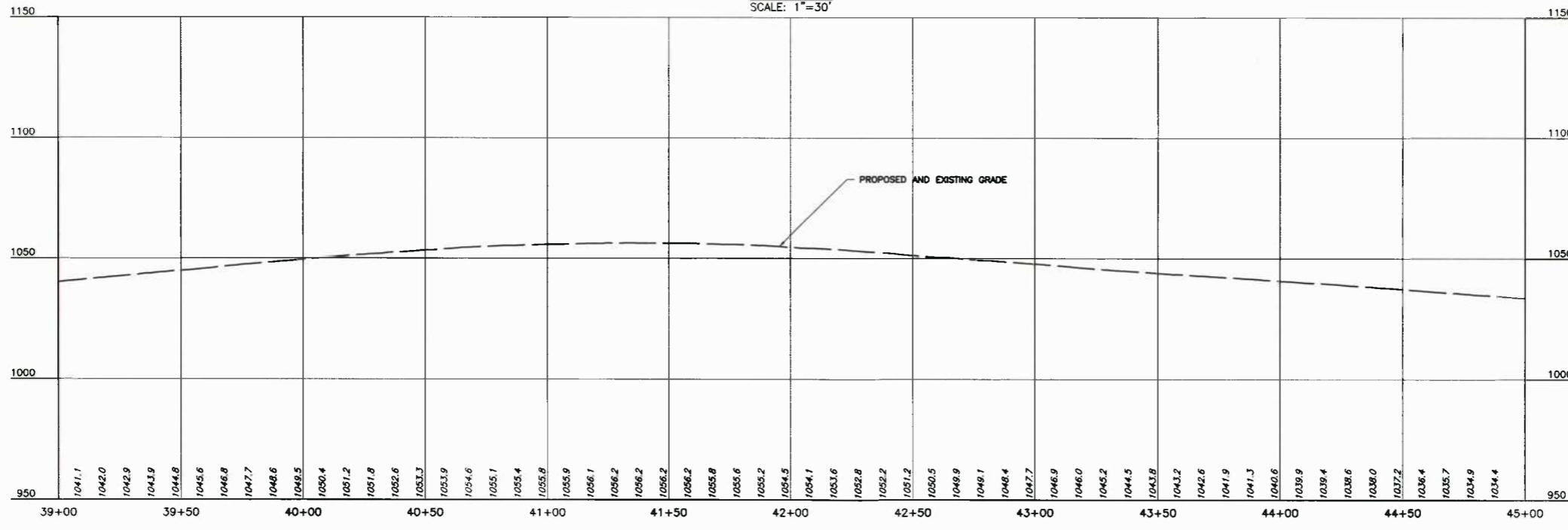
SHEET 20 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

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PLAN VIEW
SCALE: 1"=30'



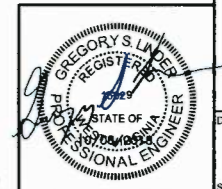
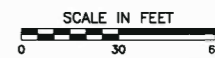
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DRAWING NO.: **21**

SHEET 21 OF 65

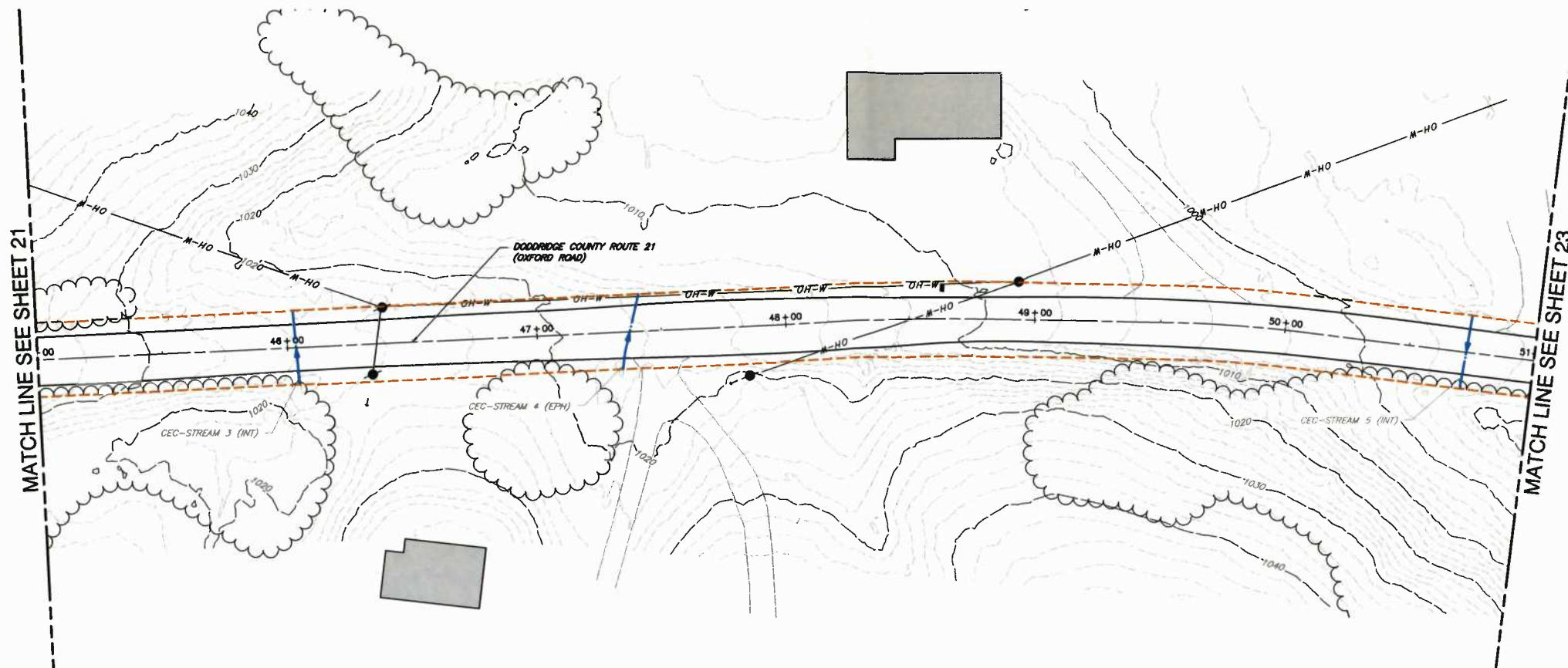
EQT PRODUCTION COMPANY
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COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

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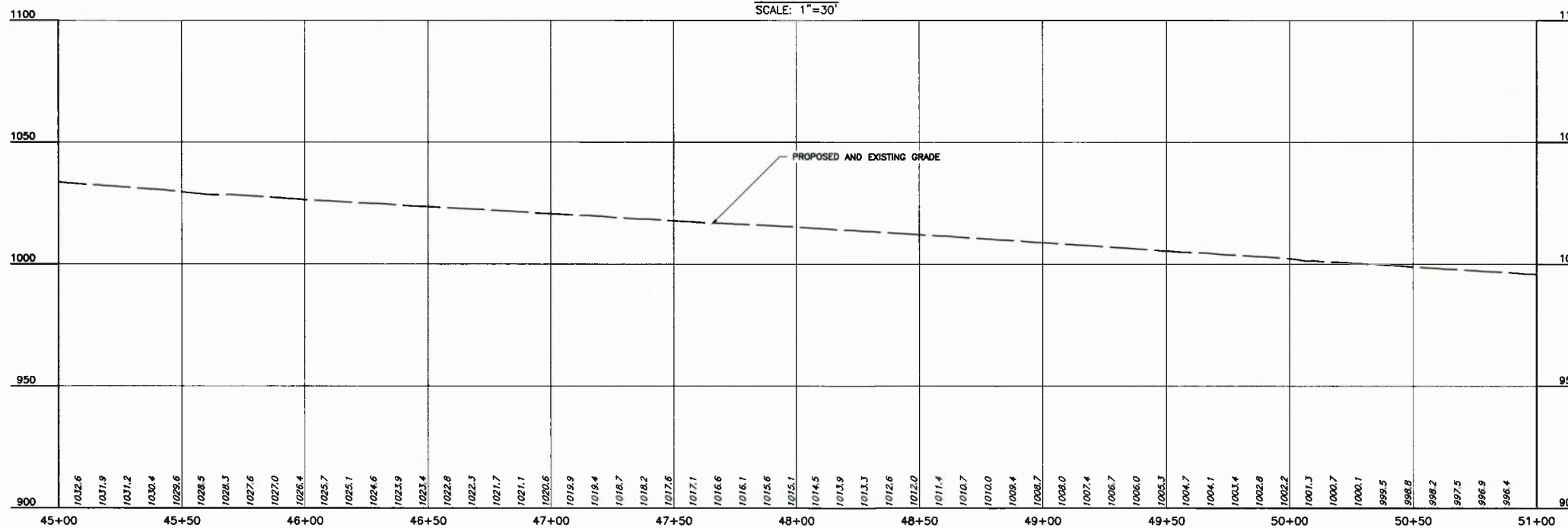
NO.	DATE	DESCRIPTION

SUBMITTAL & REVISION RECORD

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PLAN VIEW
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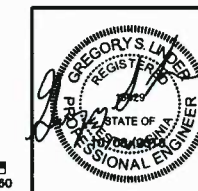
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- 850 ——— EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- ~~~~~ EXISTING TREE LINE
- ===== EXISTING FENCE
- ===== EXISTING ROADS (PAVED)
- ===== EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

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PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

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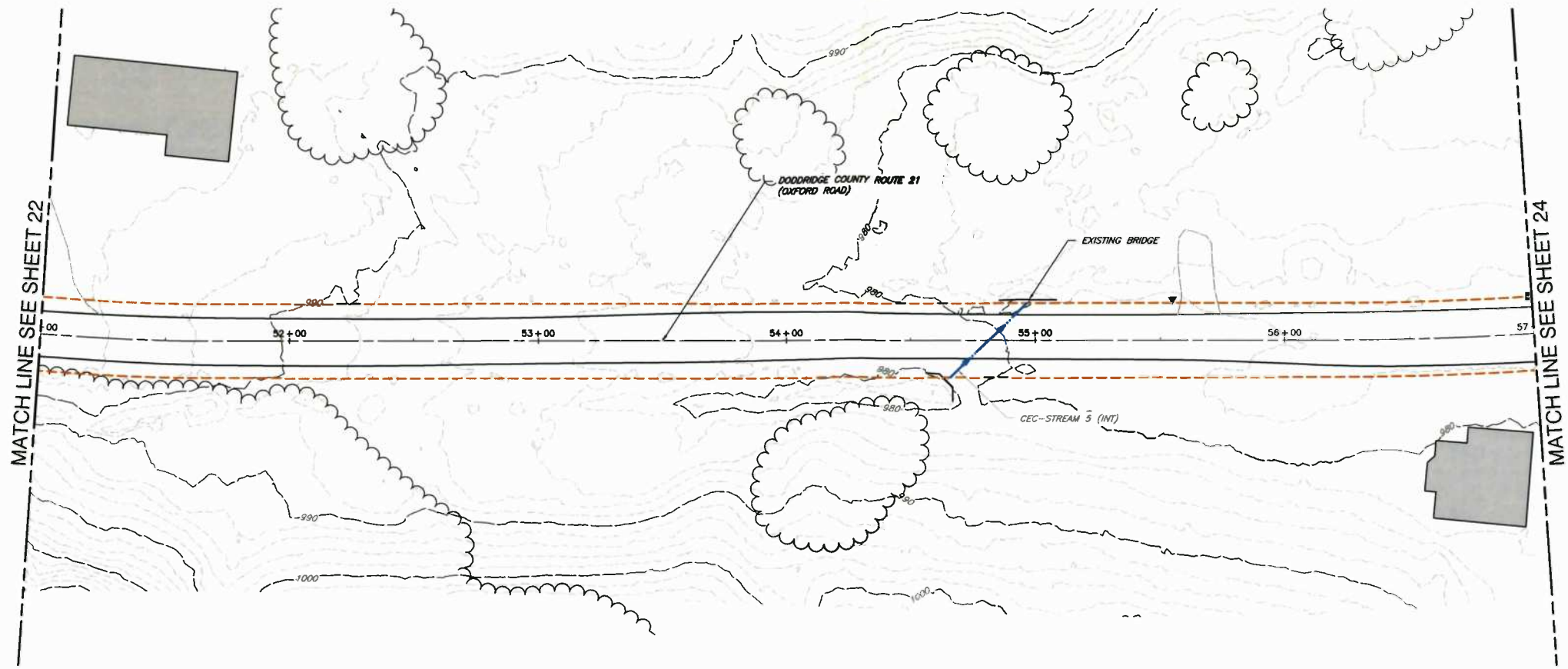
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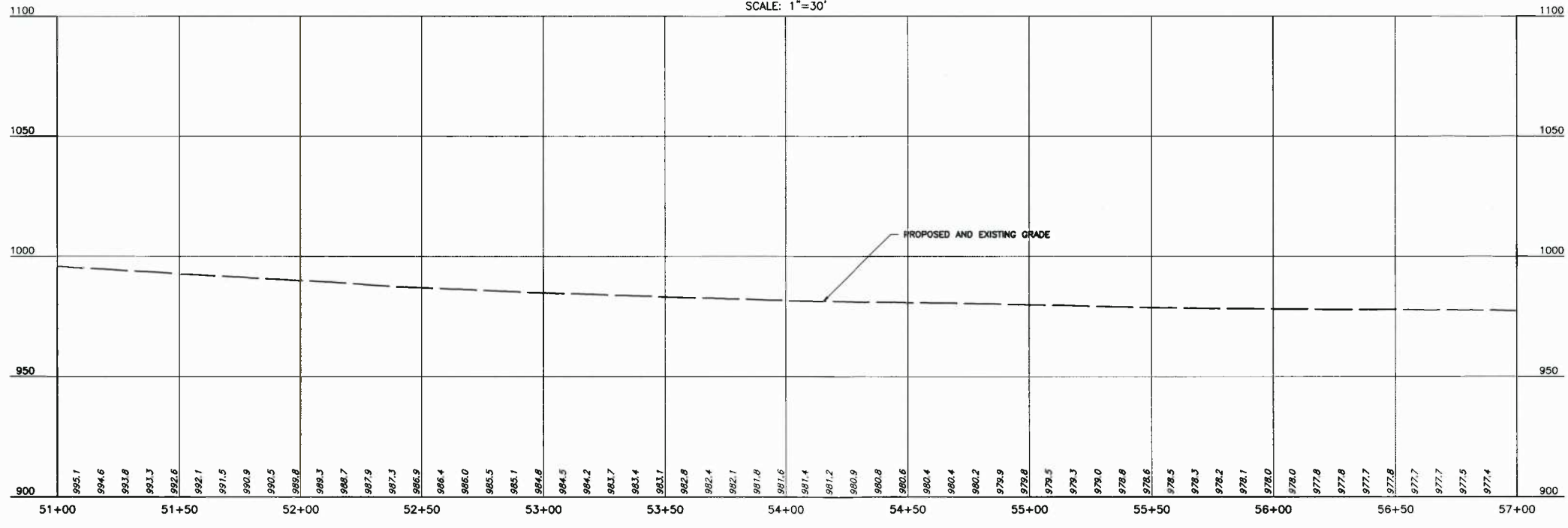
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SHEET 22 OF 65

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PLAN VIEW
SCALE: 1"=30'

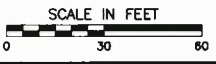


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

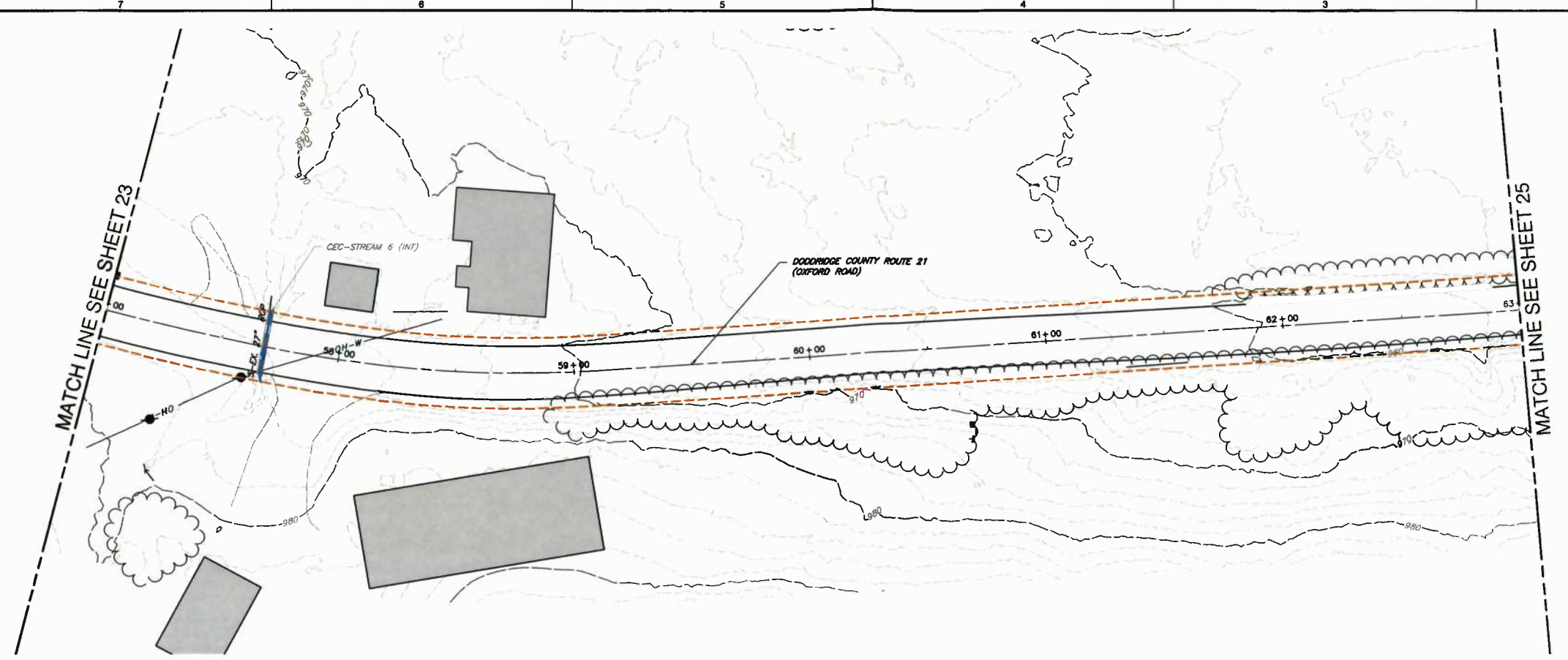
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 DODDRIDGE COUNTY, WV**

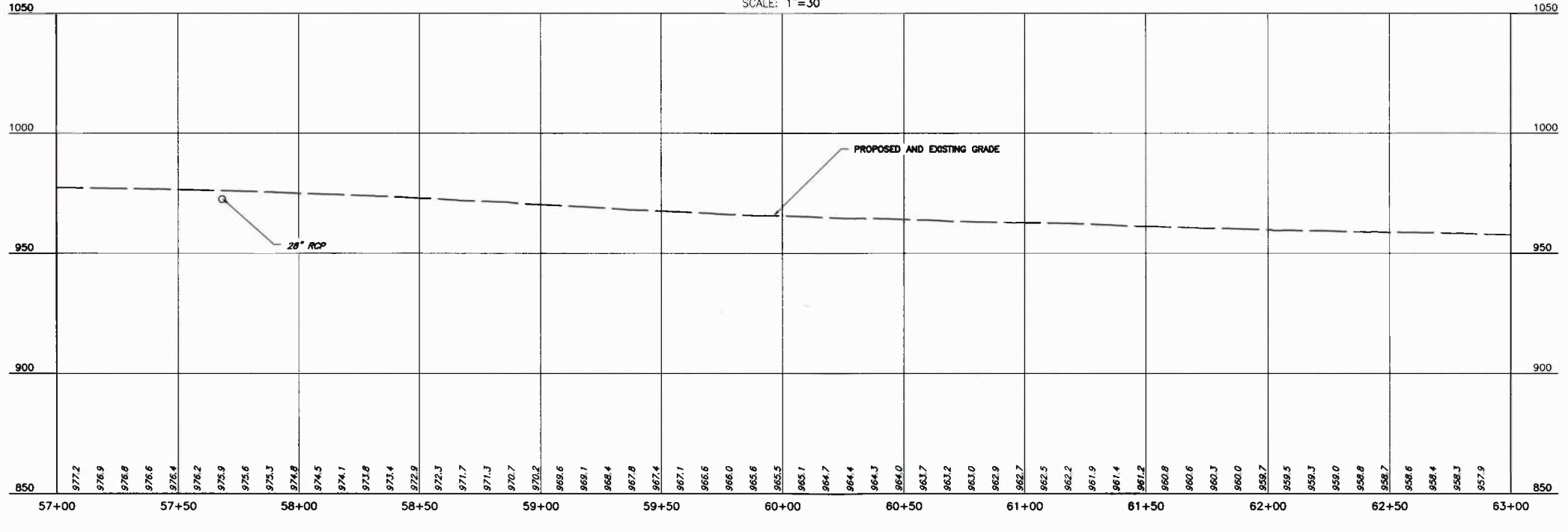
**PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET**

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01	APPROVED BY:	GSL

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

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SCALE IN FEET
0 30 60

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DRAWING NO.: **24**

SHEET 24 OF 65

DATE: OCTOBER 2018	DRAWN BY: MAS
DWG SCALE: 1"=30'	CHECKED BY: PWC
PROJECT NO: 185-735TRD1	APPROVED BY: GSI

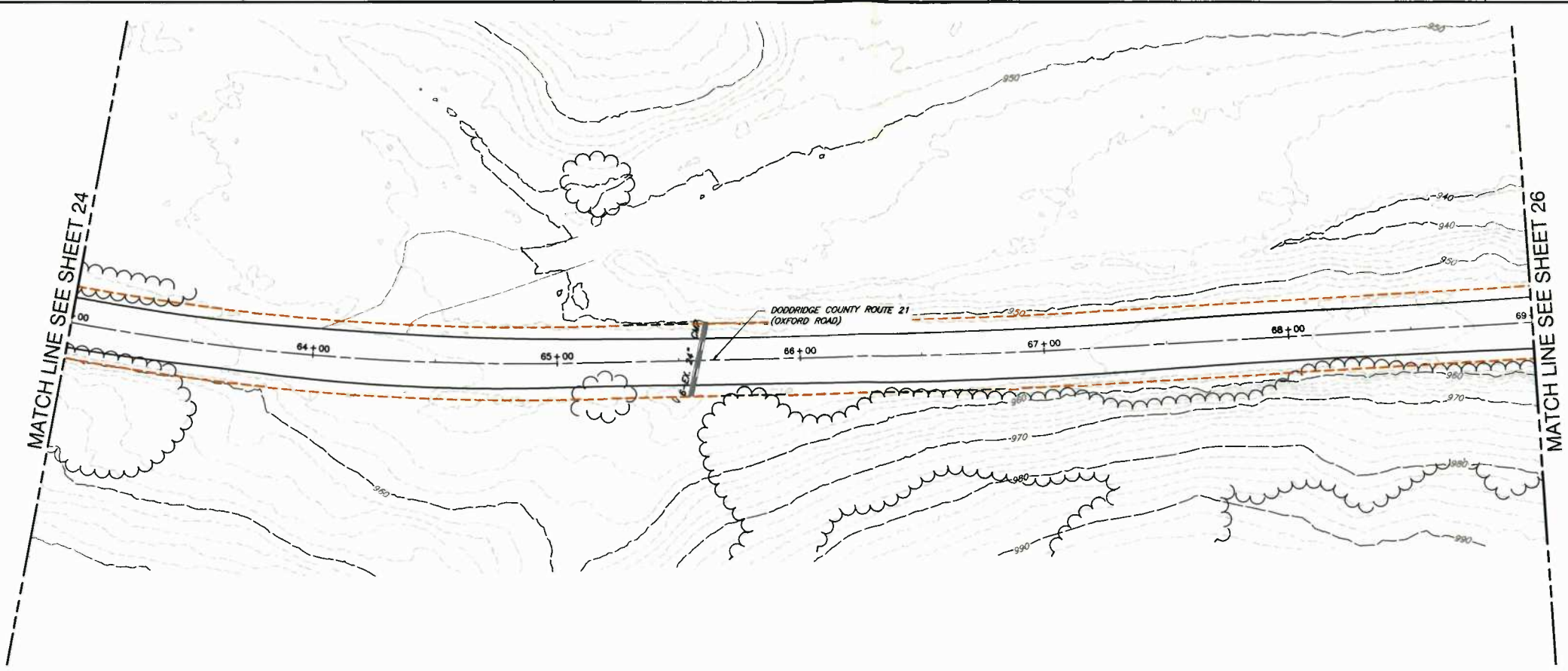
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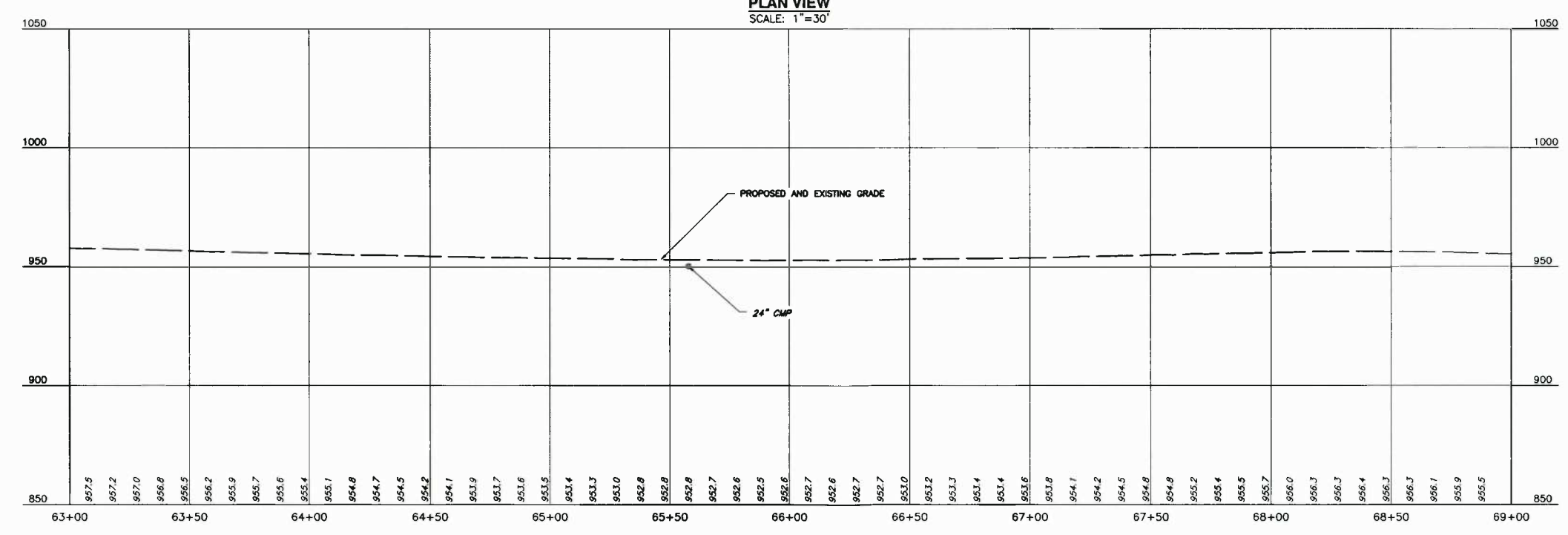
SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



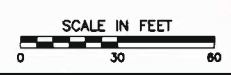
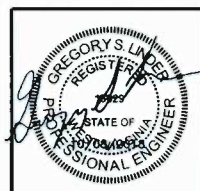
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

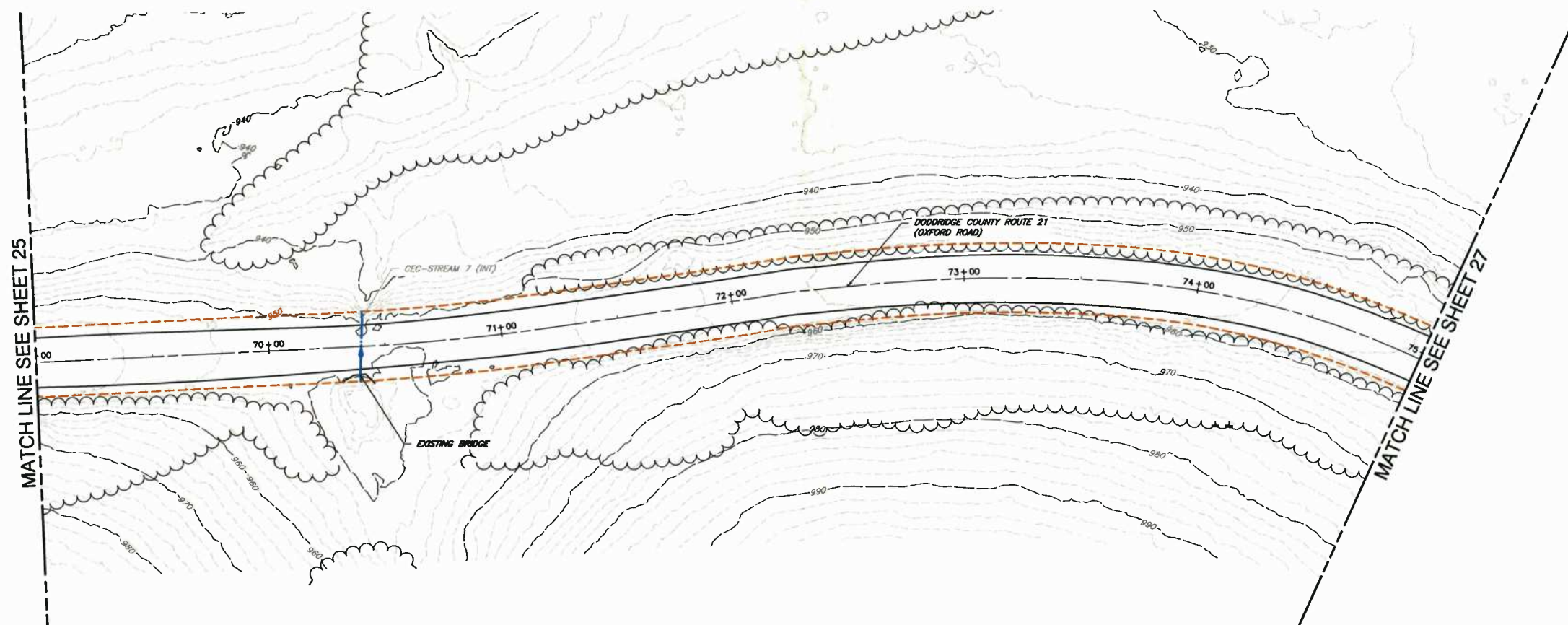
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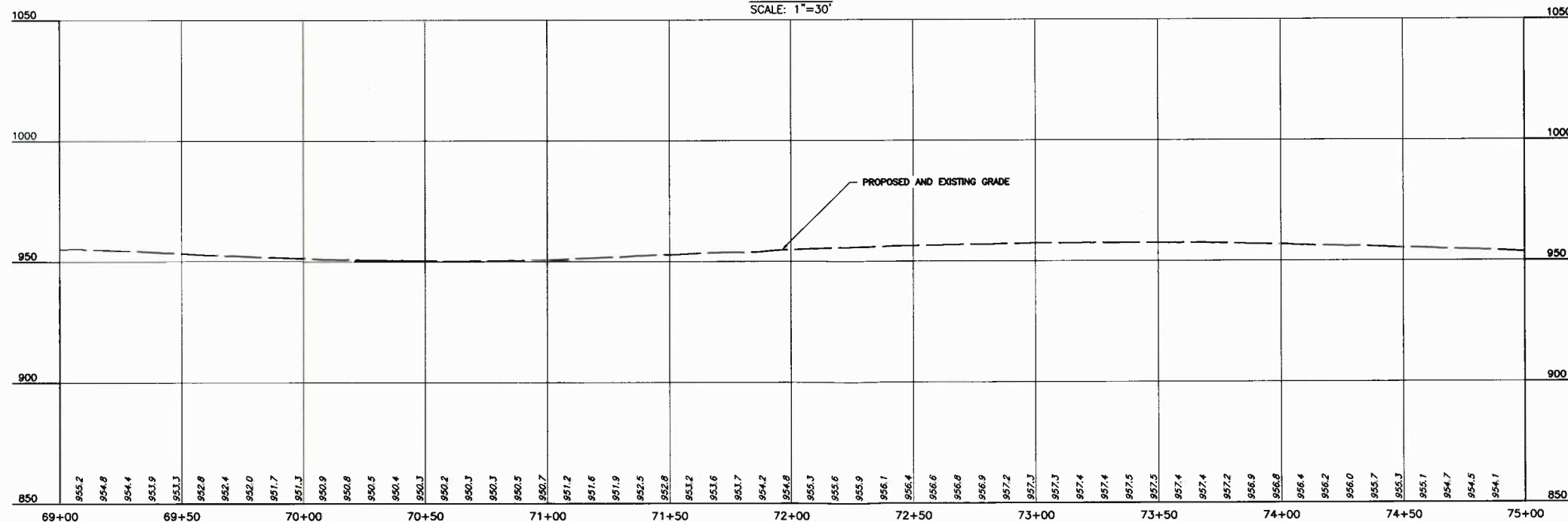
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **25**
SHEET 25 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO: 185-735TR01
APPROVED BY: GSL



PLAN VIEW
SCALE: 1"=30'



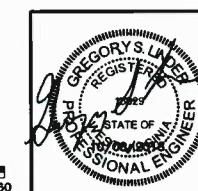
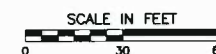
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD	
NO.	DATE

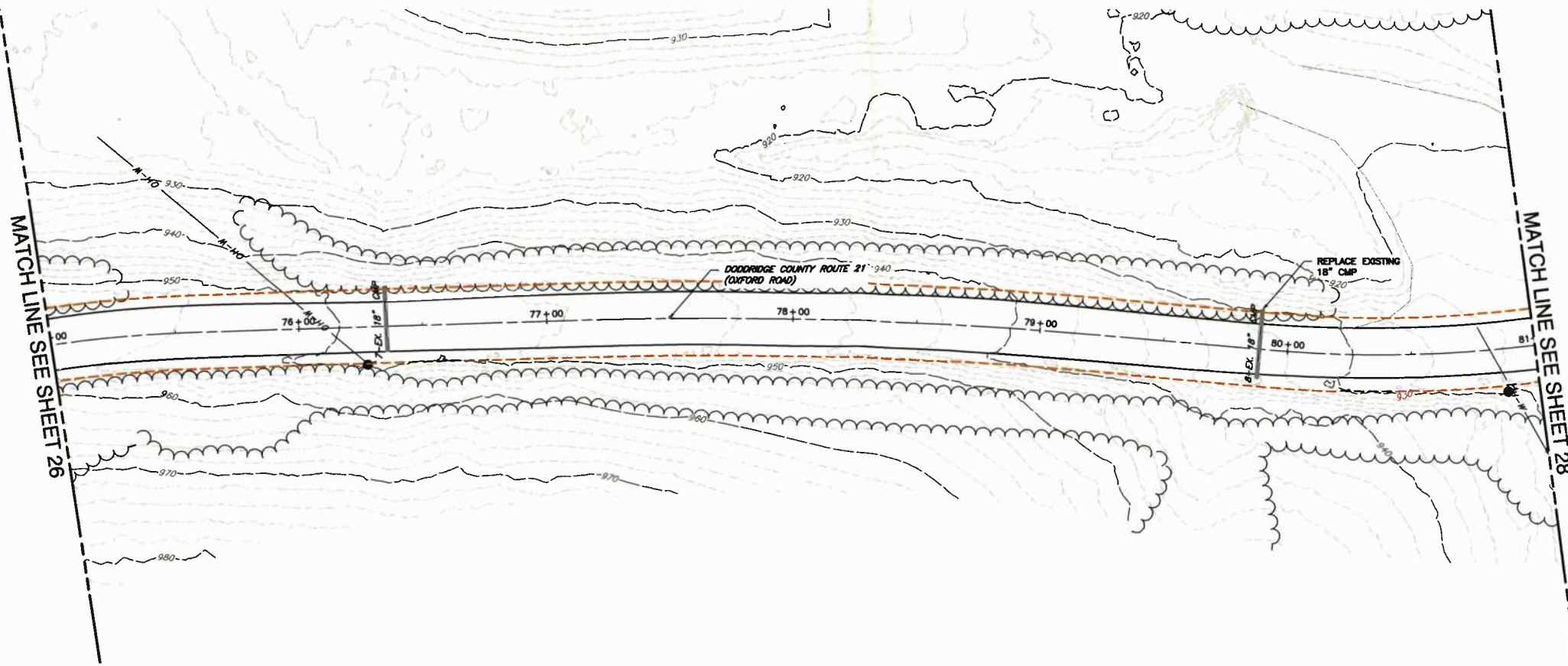
Civil & Environmental Consultants, Inc.
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EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

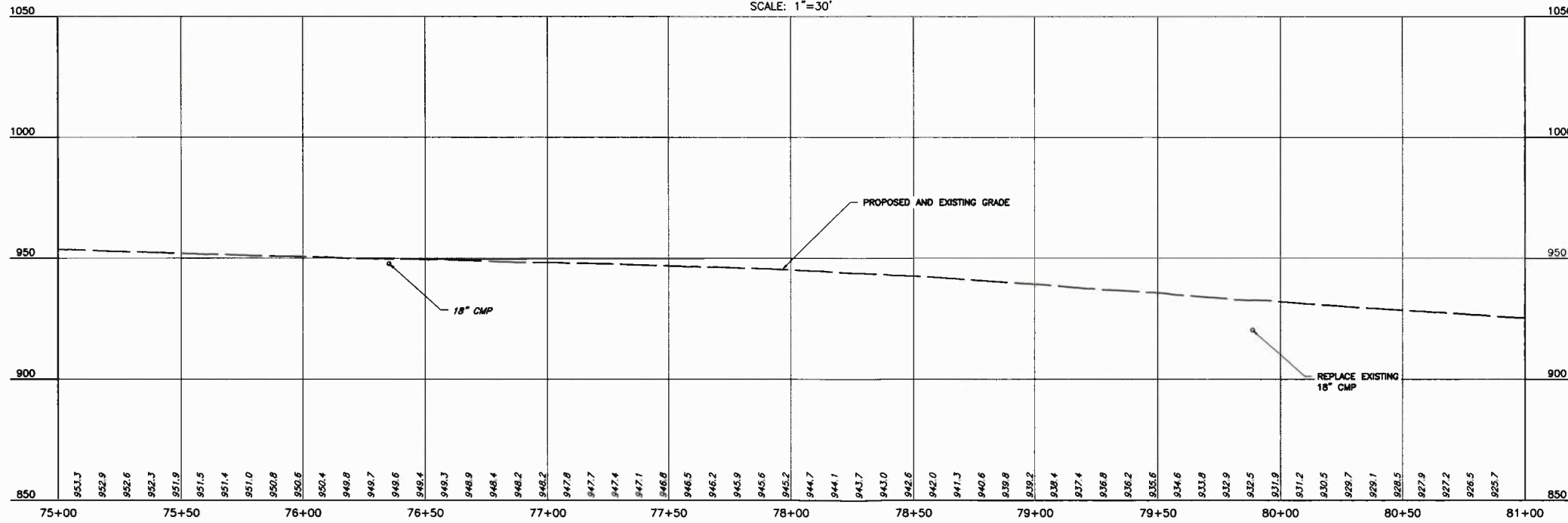
PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

DRAWING NO. **26**
SHEET 26 OF 65



PLAN VIEW
SCALE: 1"=30'



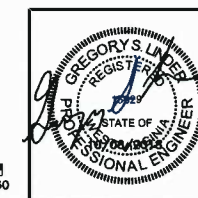
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING CASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
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**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	185-735TR01	APPROVED BY:	GSL

DRAWING NO.: **27**
SHEET 27 OF 65

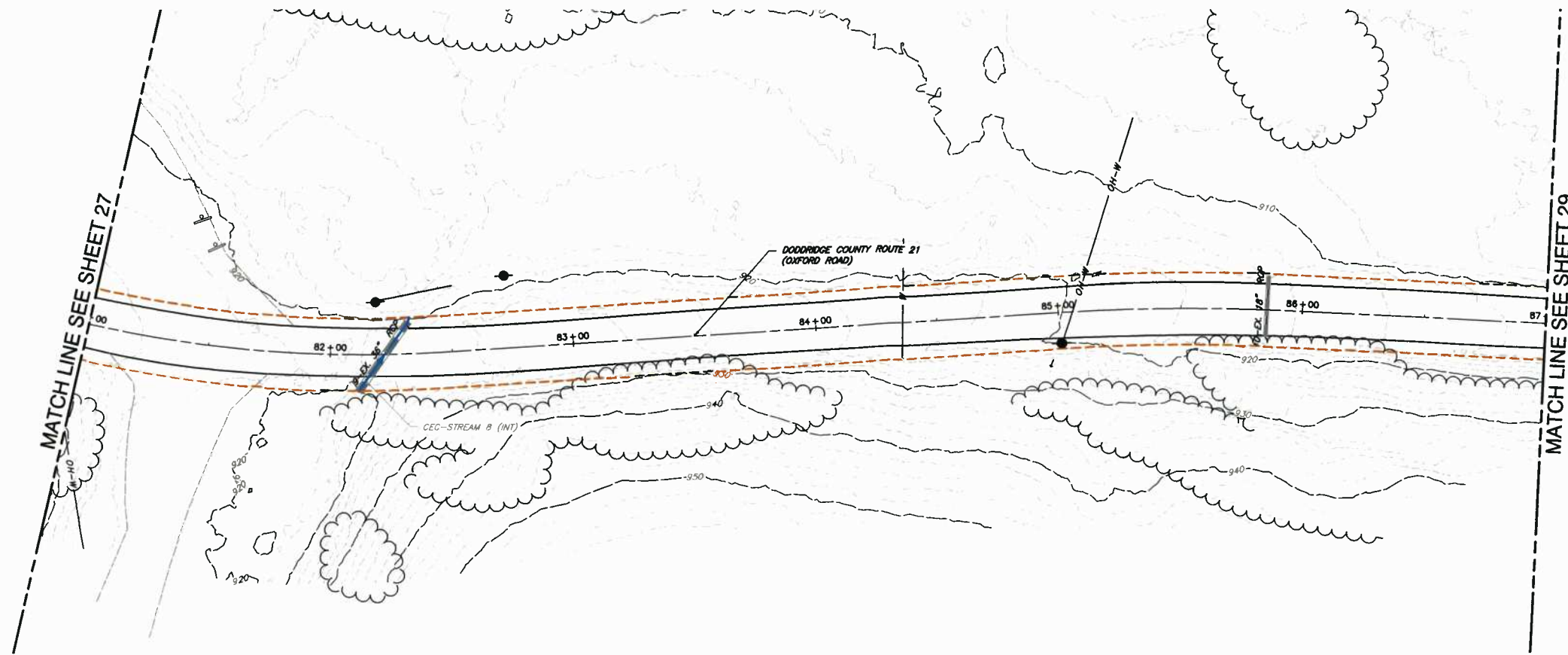
**EQT PRODUCTION COMPANY
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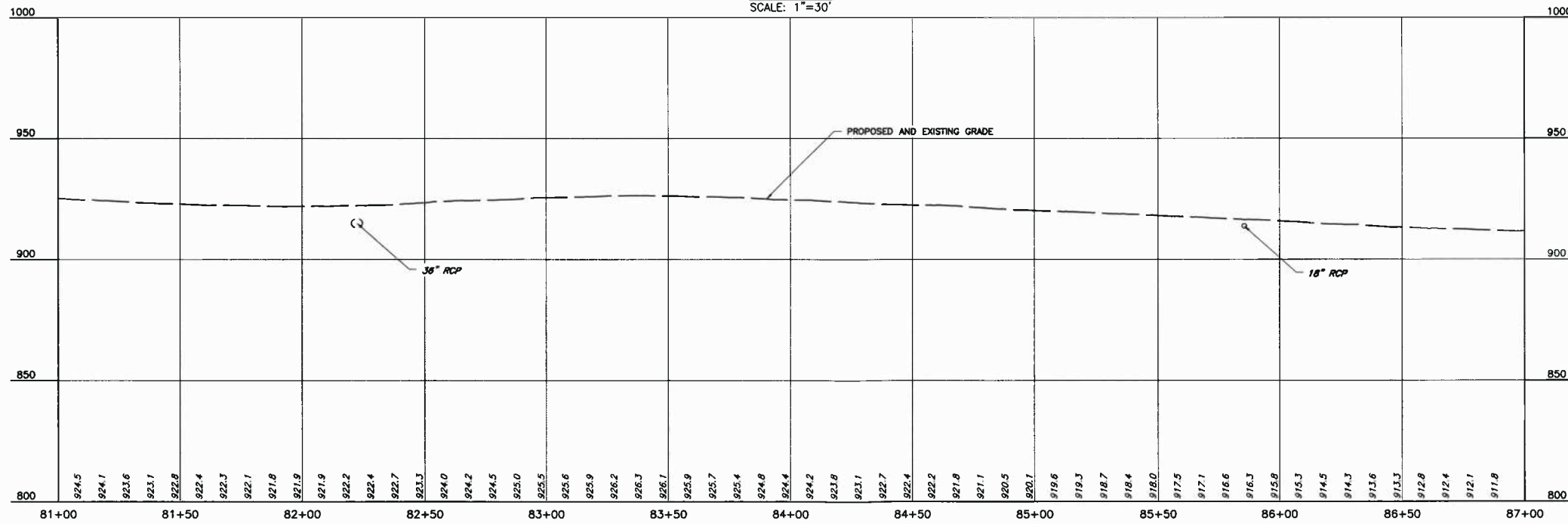
NO.	DATE	DESCRIPTION

SUBMITTAL & REVISION RECORD

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PLAN VIEW
SCALE: 1"=30'



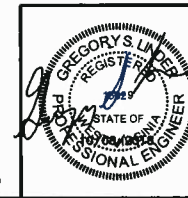
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
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DRAWING NO.: **28**
SHEET 28 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 185-735TR01
APPROVED BY: G.S.L.

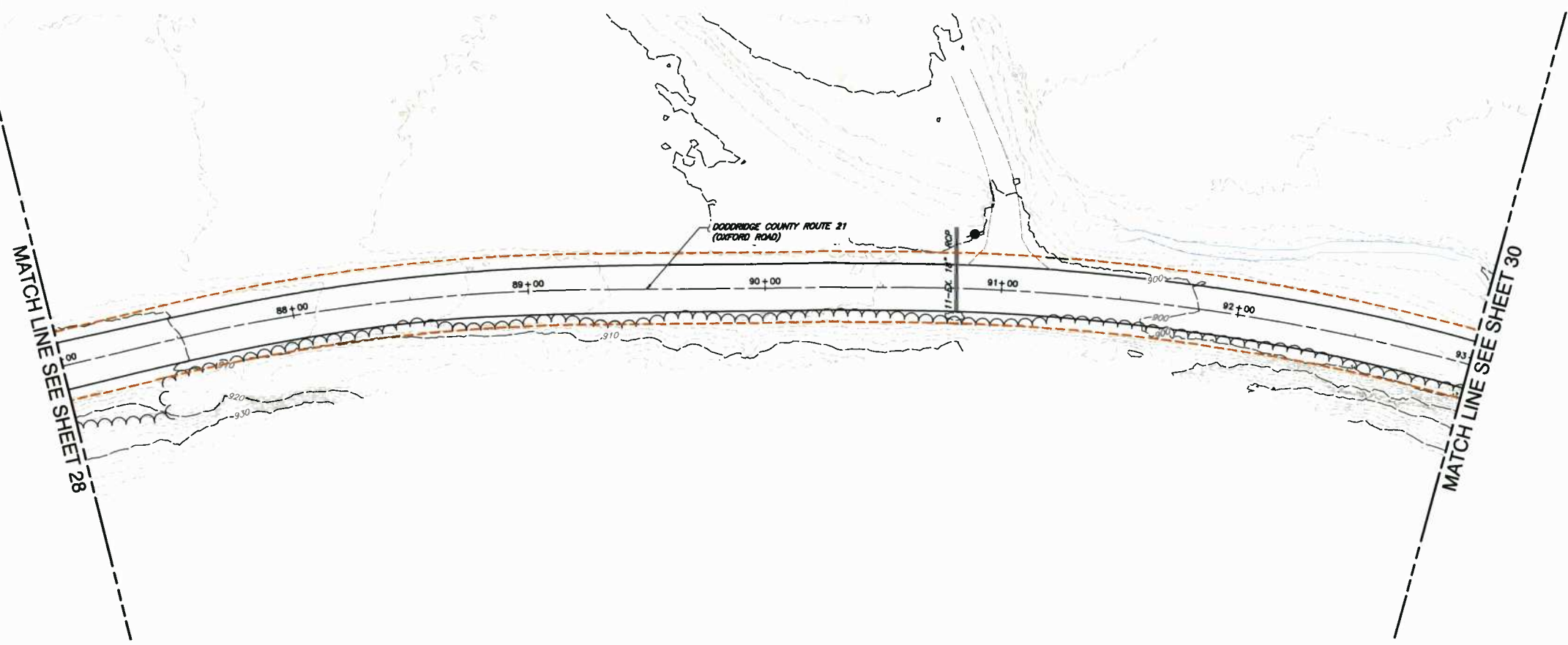
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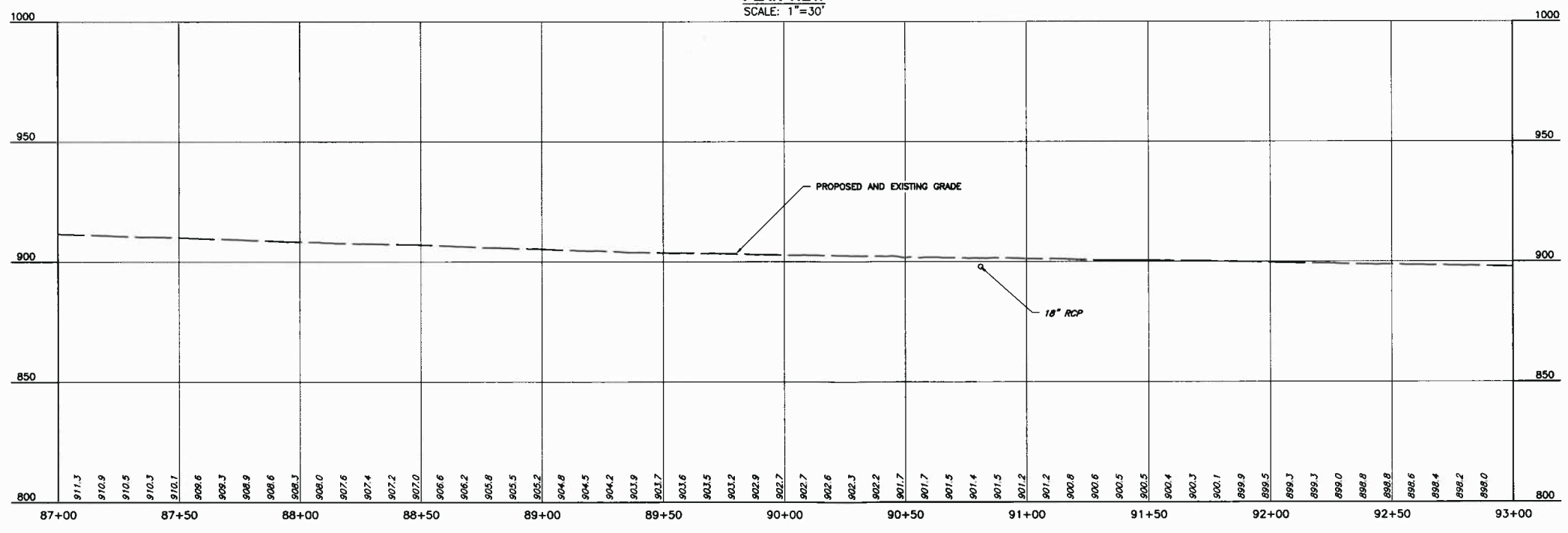
SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'

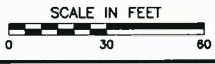
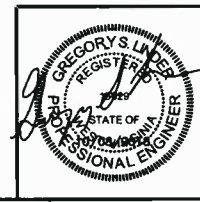


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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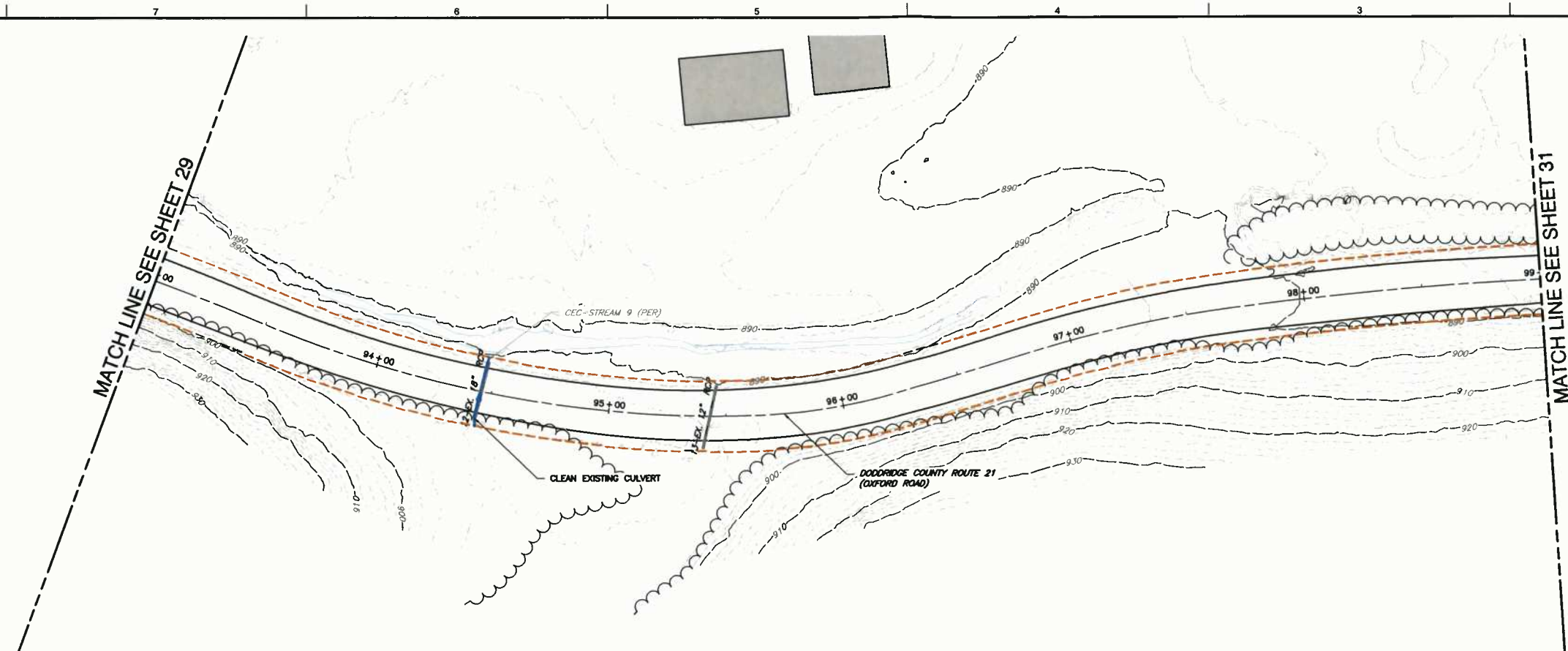
SUBMITTAL & REVISION RECORD	
NO.	DATE

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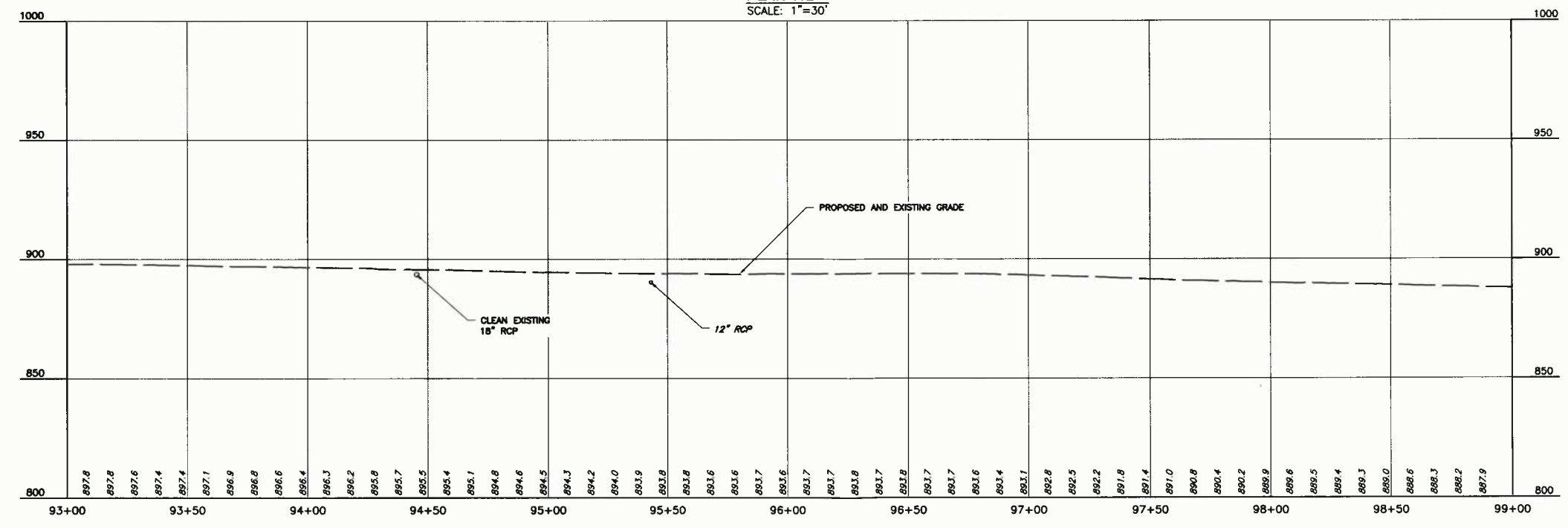
**EQT PRODUCTION COMPANY
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 COUNTY ROUTE REHABILITATION
 DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET**

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG. SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01		
APPROVED BY:			GSL



PLAN VIEW
SCALE: 1"=30'

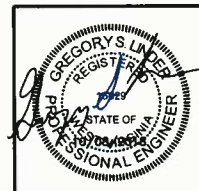


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND			
	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
- THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



SUBMITTAL & REVISION RECORD		
NO.	DATE	DESCRIPTION

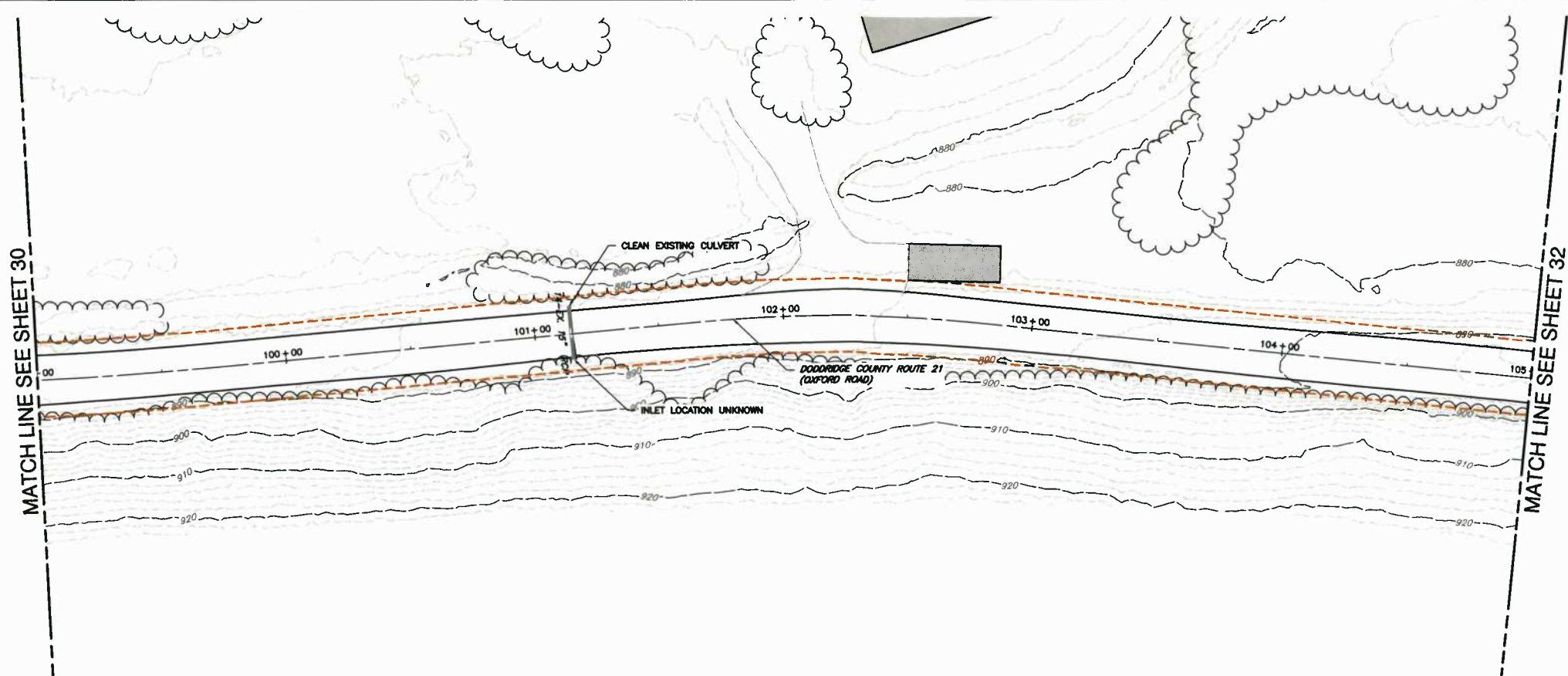
Civil & Environmental Consultants, Inc.
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**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

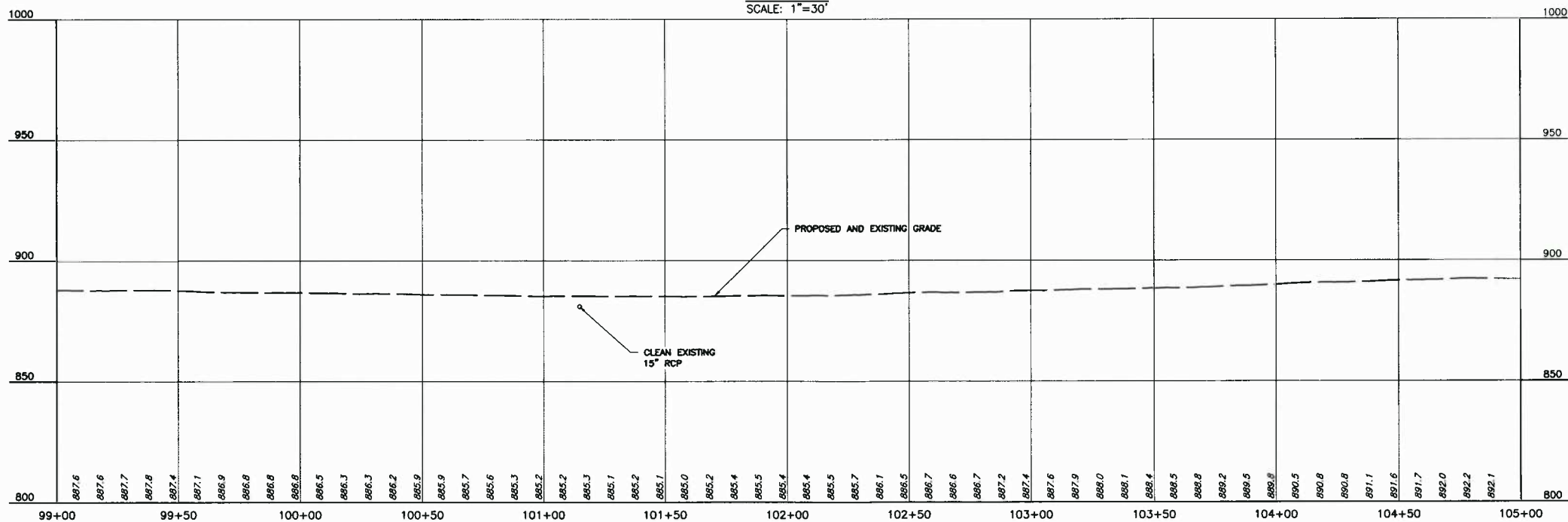
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO: 183-735TR01
APPROVED BY: GSI

DRAWING NO: **30**
SHEET 30 OF 65



PLAN VIEW
SCALE: 1"=30'



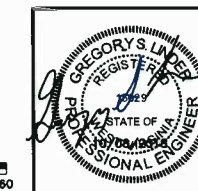
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWS SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	185-735TR01	APPROVED BY:	GSL

DRAWING NO.: **31**
SHEET 31 OF 85

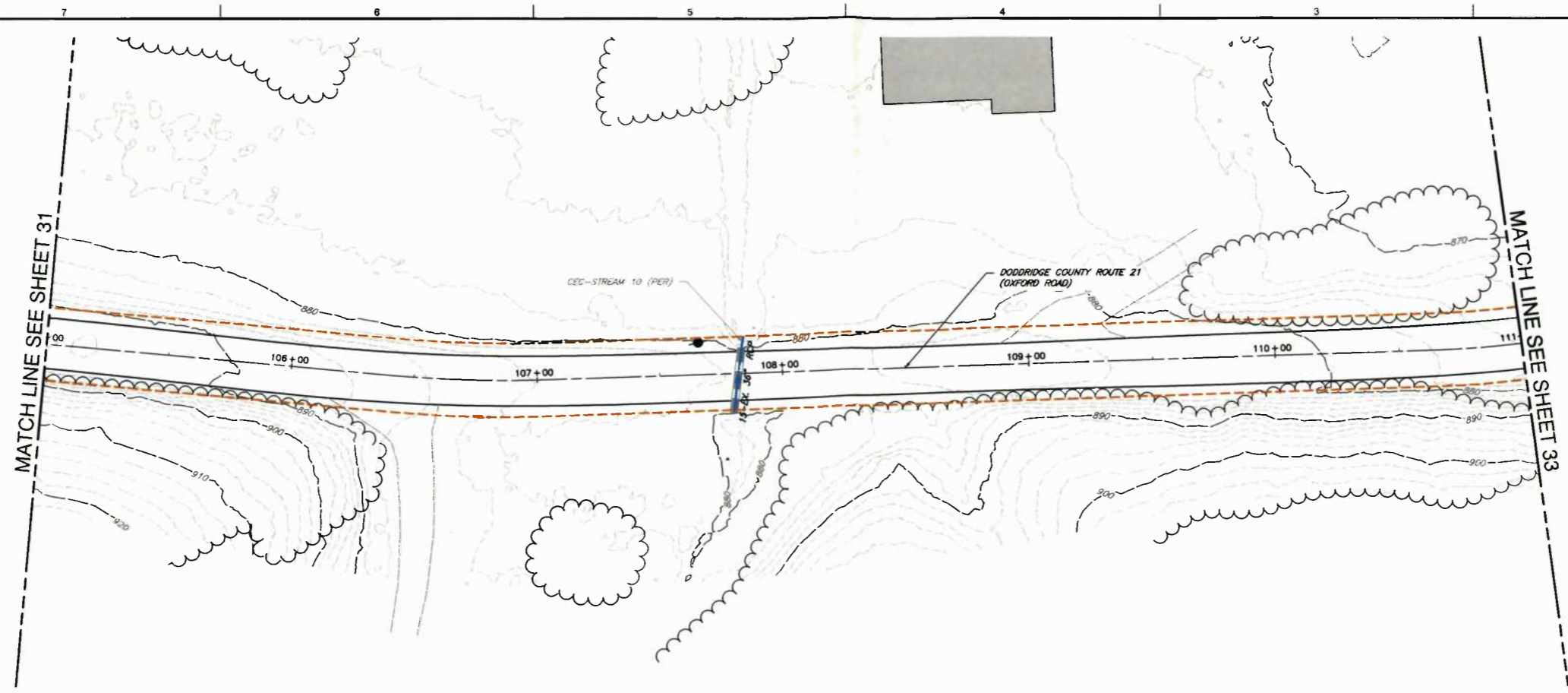
**EQT PRODUCTION COMPANY
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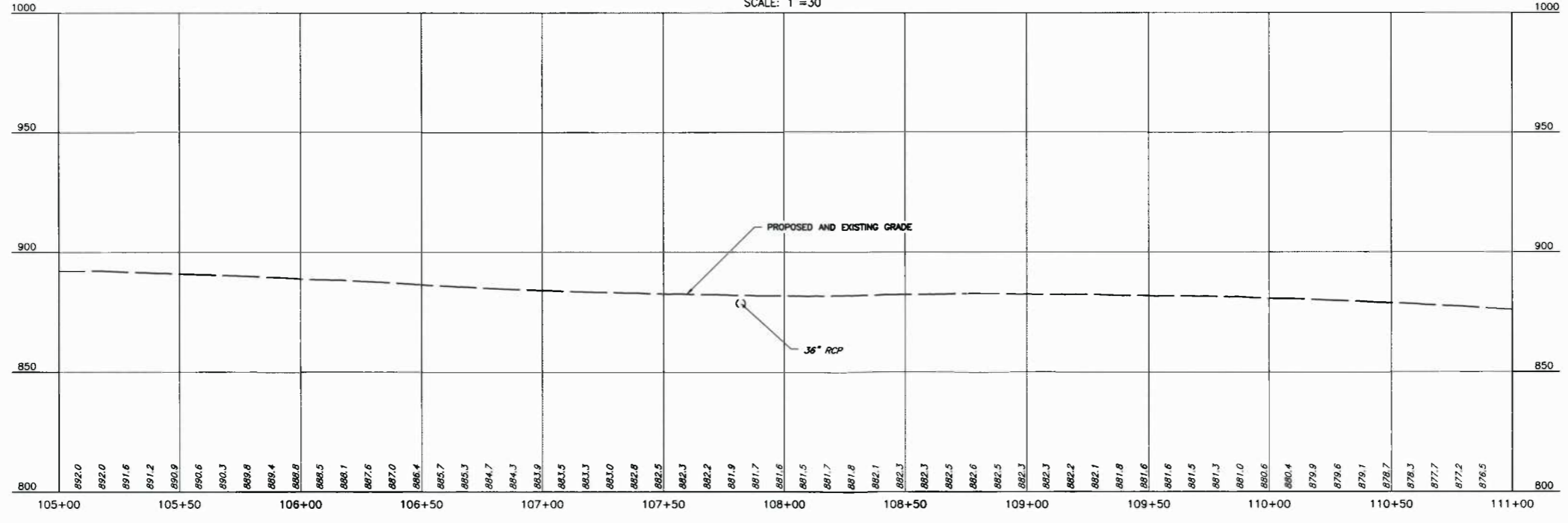
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



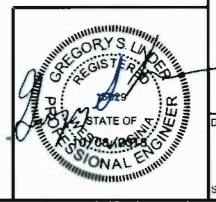
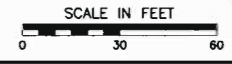
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

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**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DATE	OCTOBER 2018	DRAWN BY	MAS
DWG SCALE	1"=30'	CHECKED BY	PWC
PROJECT NO.	183-735TR01	APPROVED BY:	GSL

DRAWING NO. **32**
SHEET 32 OF 65

**EQT PRODUCTION COMPANY
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DODDRIDGE COUNTY, WV**

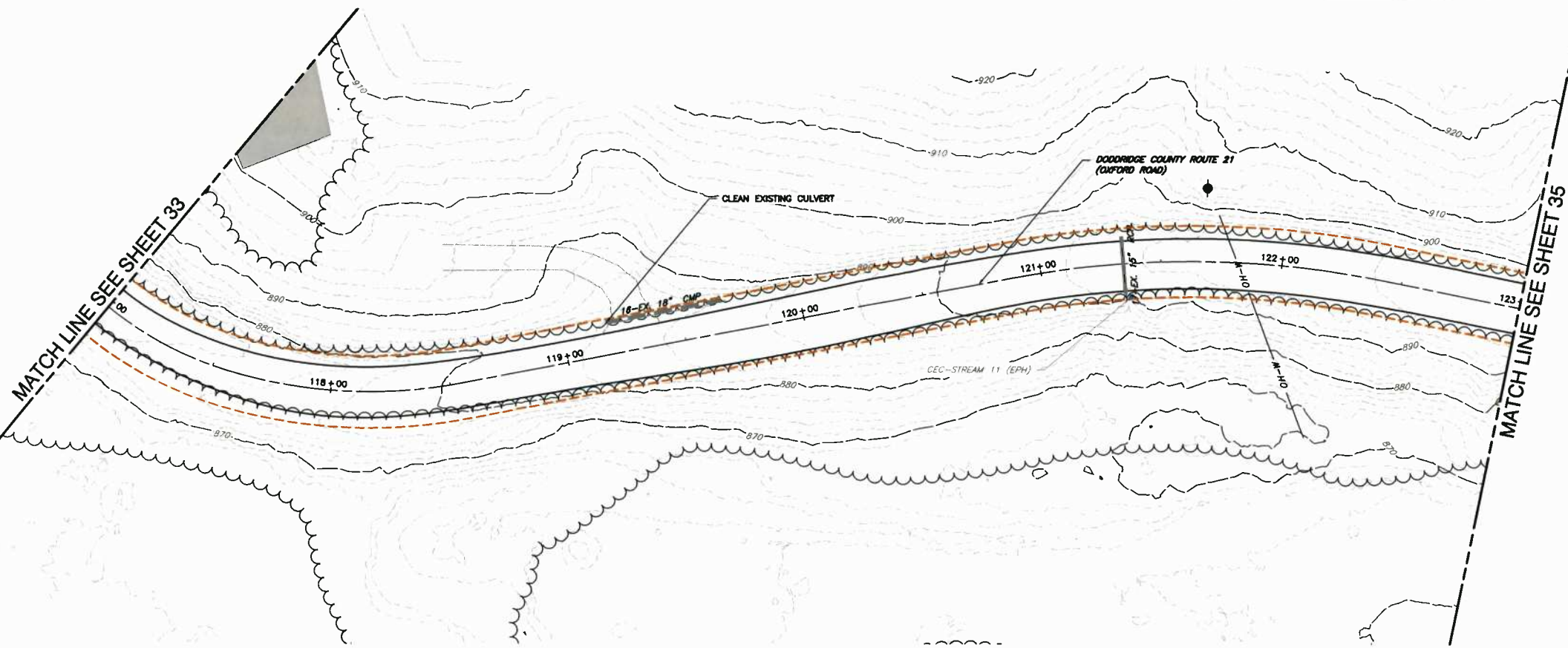


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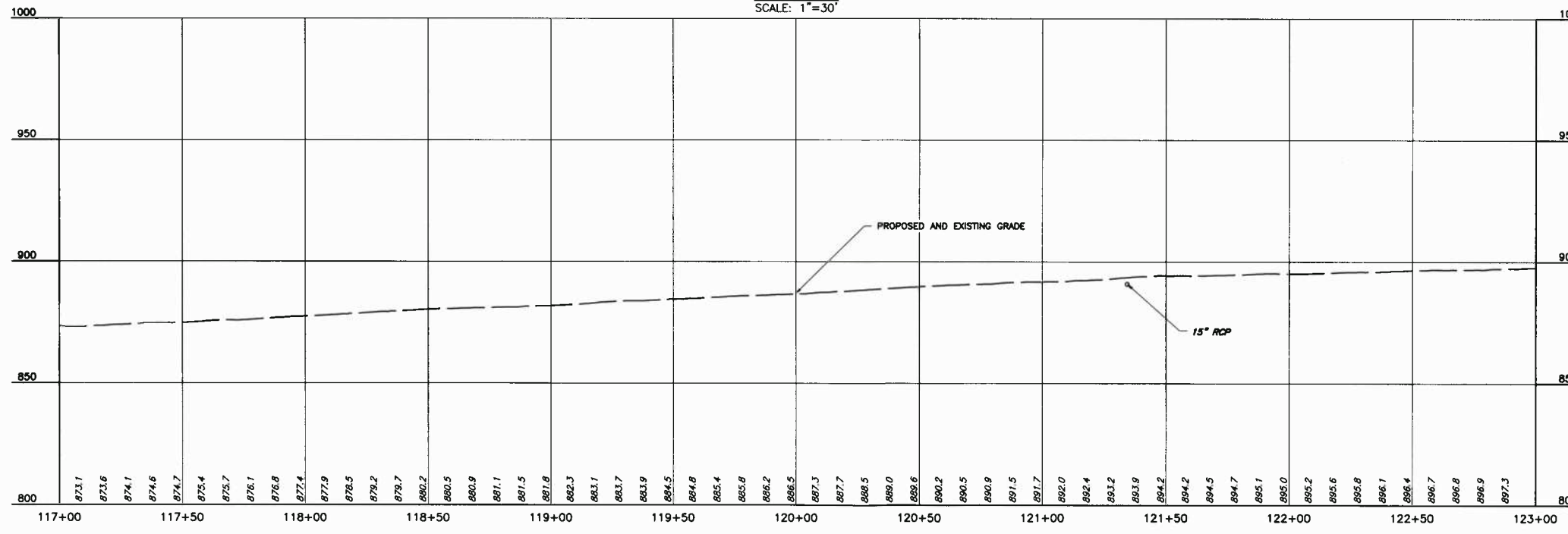
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



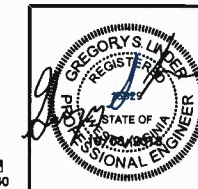
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (WATER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

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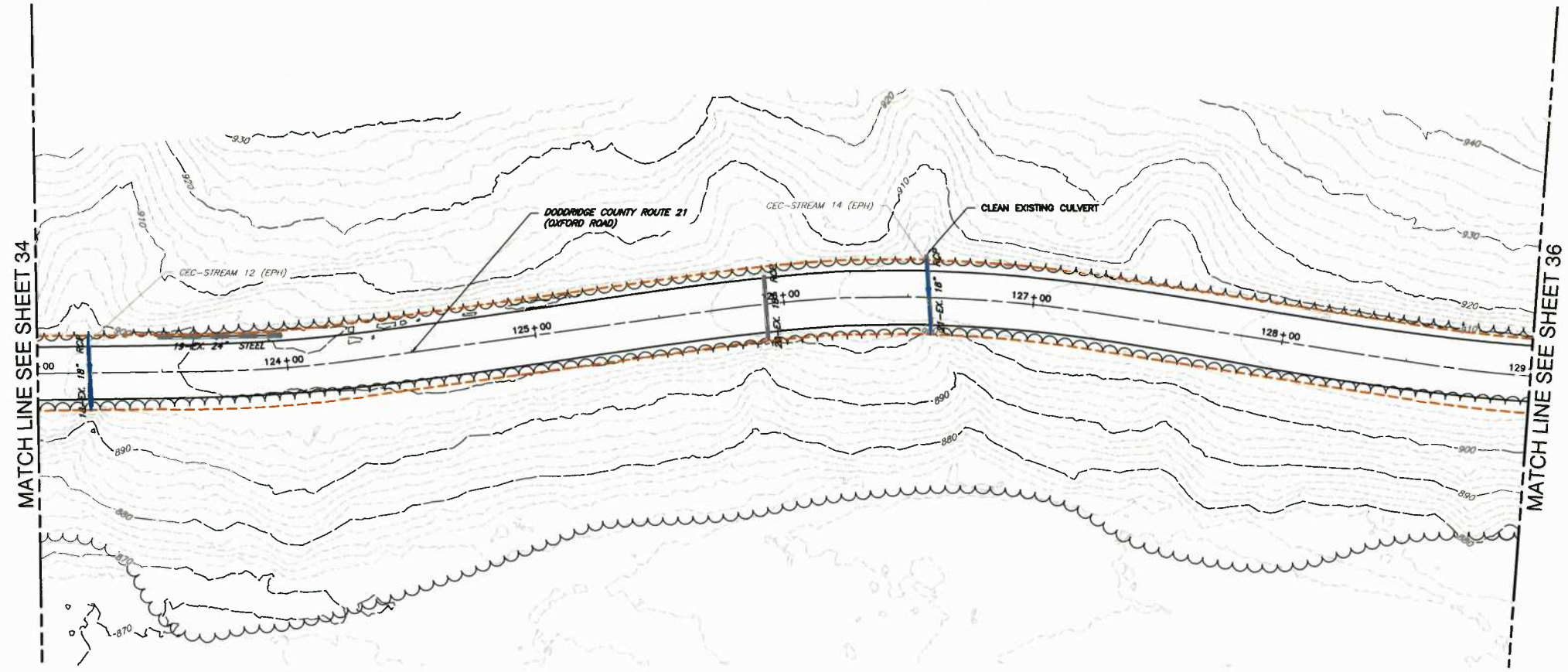


PROPOSED DRIVEWAY PLAN AND PROFILE SHEET	
DATE: OCTOBER 2018	DRAWN BY: MAS
DWG SCALE: 1"=30'	CHECKED BY: PWC
PROJECT NO: 183-735TR01	APPROVED BY: GSL

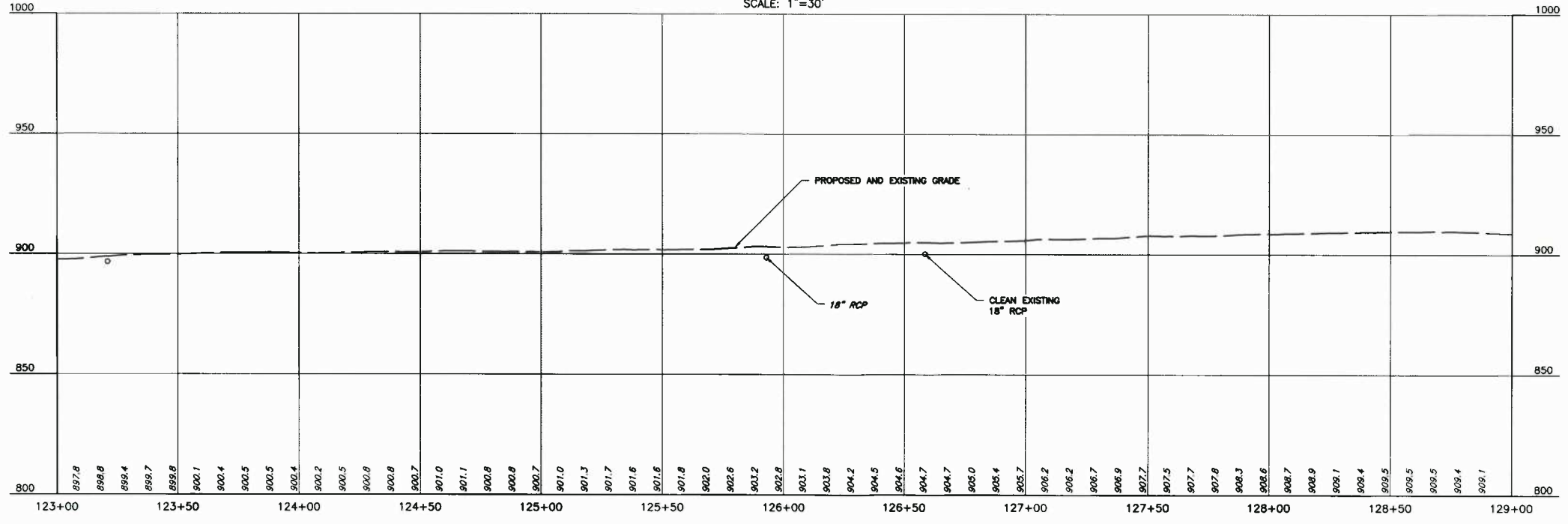
**EQT PRODUCTION COMPANY
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SUBMITTAL & REVISION RECORD	
NO	DESCRIPTION



PLAN VIEW
SCALE: 1"=30'

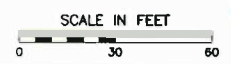
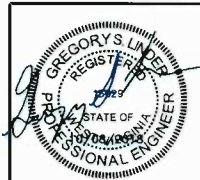


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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**EQT PRODUCTION COMPANY
 OXFORD ROAD
 COUNTY ROUTE REHABILITATION
 DODDRIDGE COUNTY, WV**

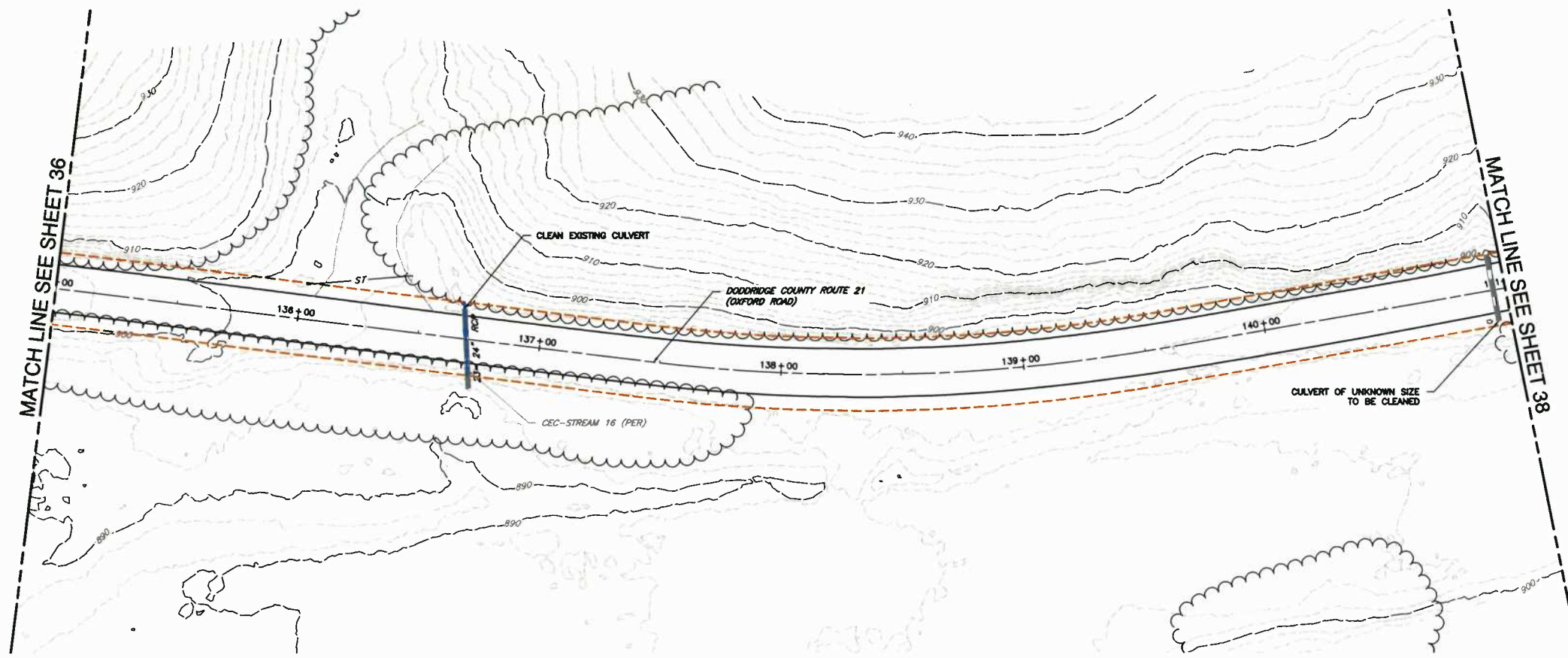
**PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET**

DWG SCALE: 1"=30' | CHECKED BY: MAS | DATE: OCTOBER 2018 | DRAWN BY: PWC | PROJECT NO: 183-735TR01 | APPROVED BY: G.S.L.

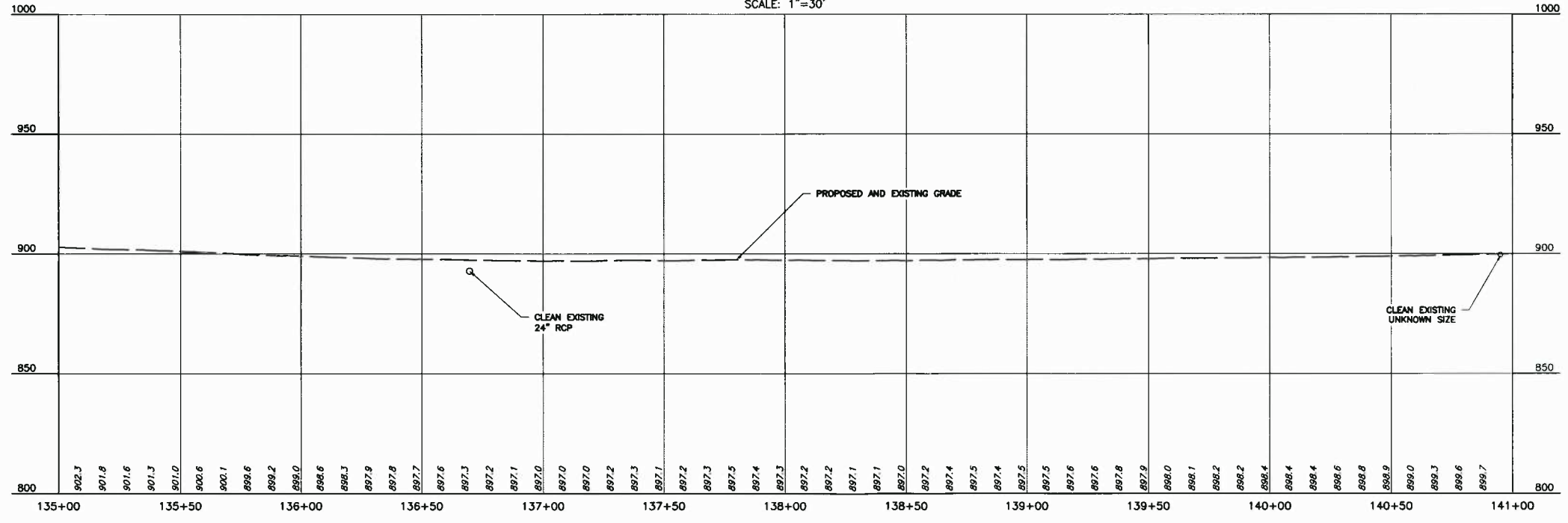
DRAWING NO.: **35**

SHEET 35 OF 65

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PLAN VIEW
SCALE: 1"=30'



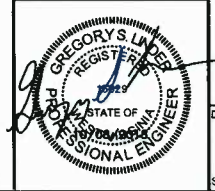
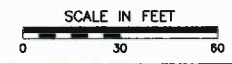
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELIMITED STREAM
	EXISTING TREE LINE		DELIMITED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

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DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 185-735TR01
APPROVED BY: GSI

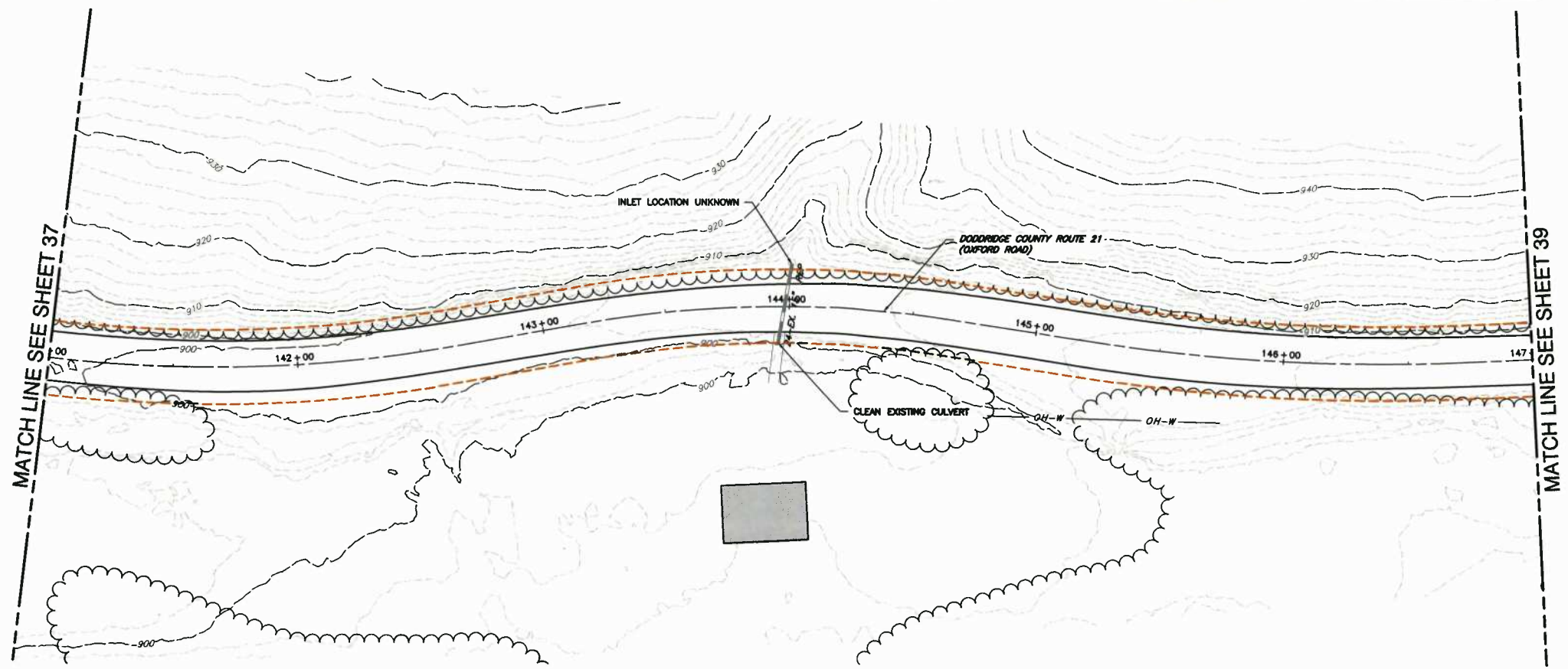
**EQT PRODUCTION COMPANY
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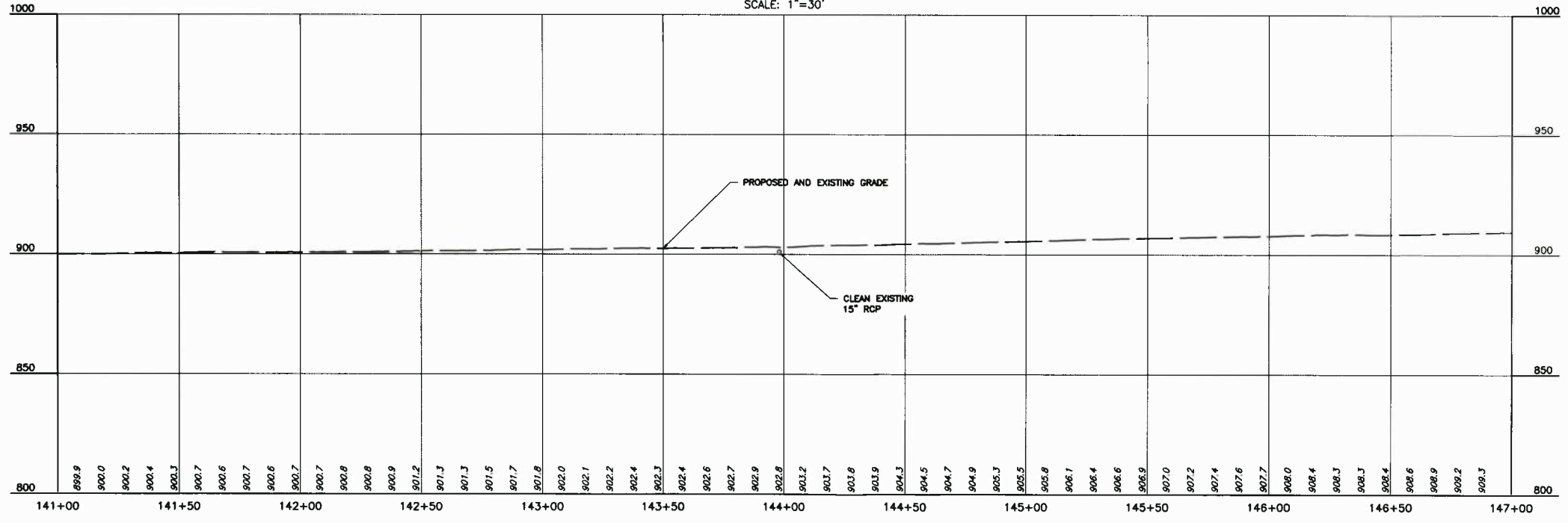
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'

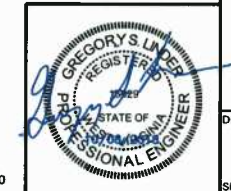


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND			
	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

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NO.	DATE	DESCRIPTION

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OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

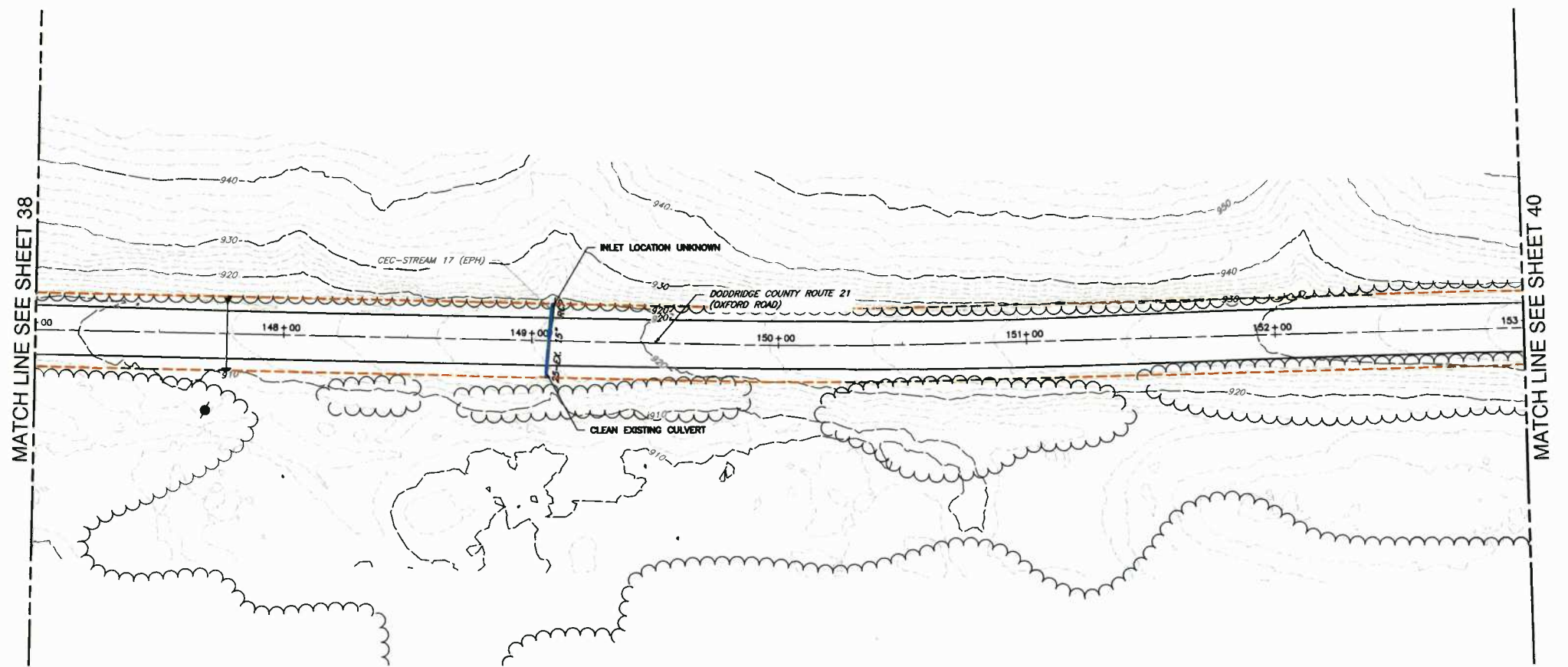
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **38**

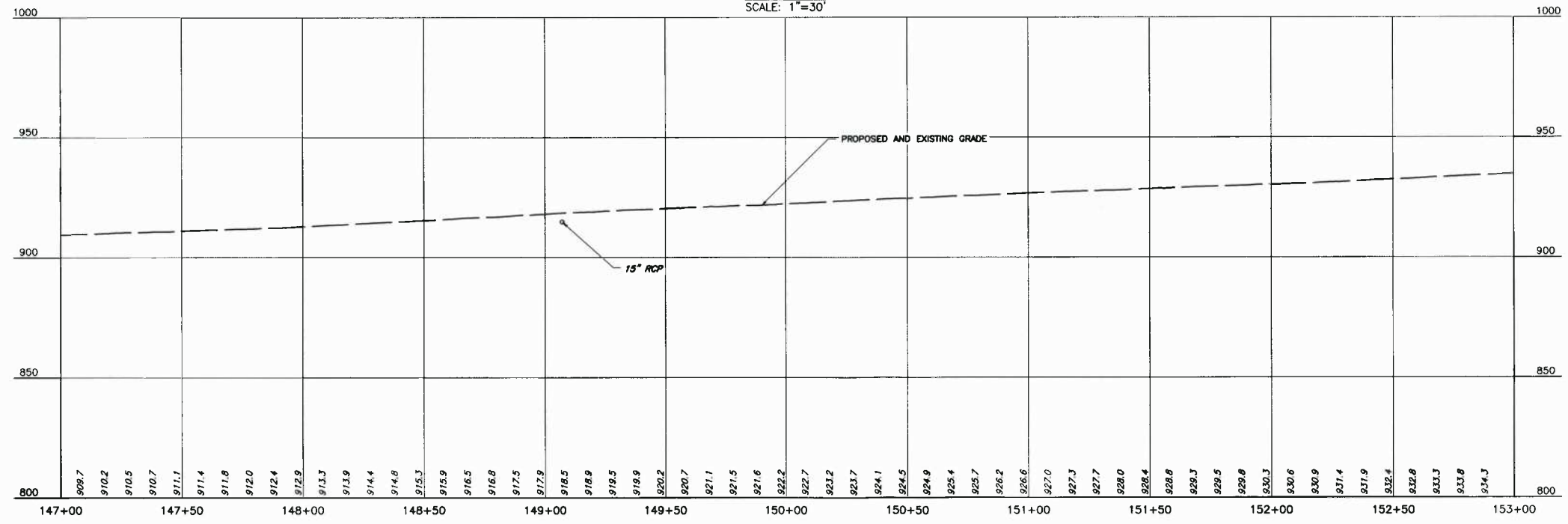
SHEET 38 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSJ

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

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DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 PROJECT NO: 183-735TR01
 APPROVED BY: GSL

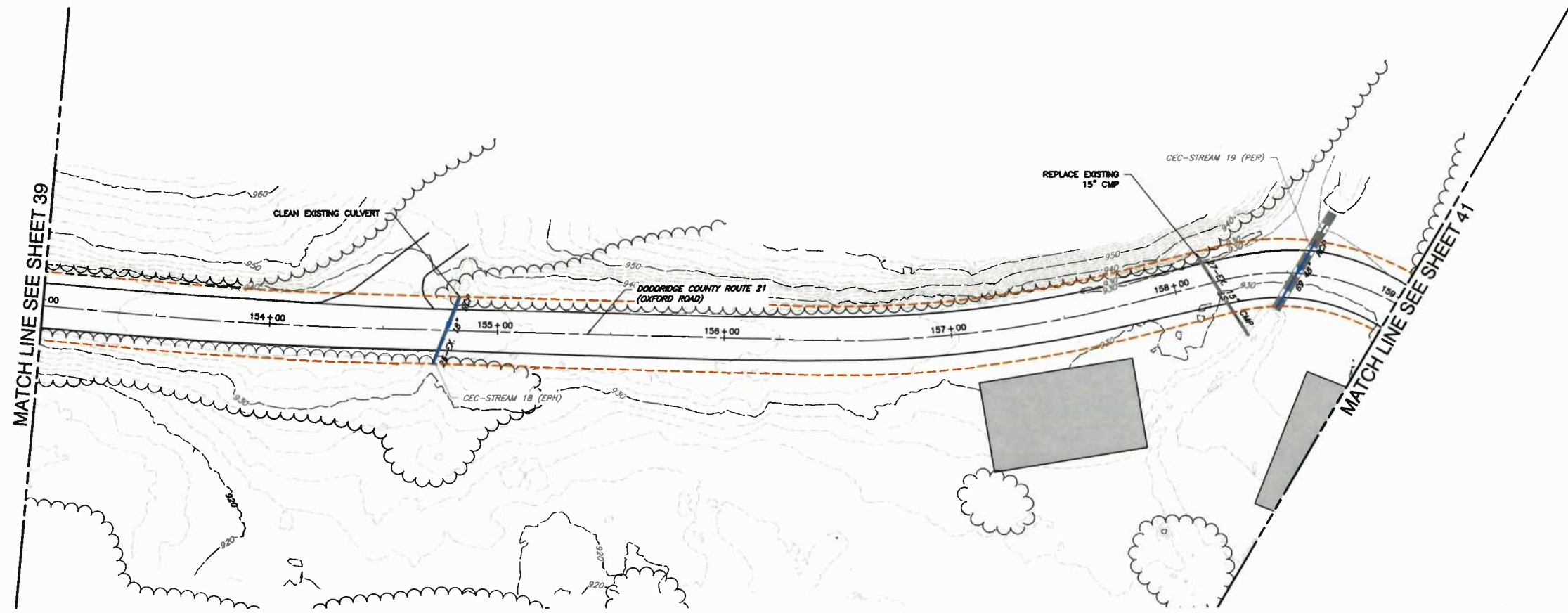
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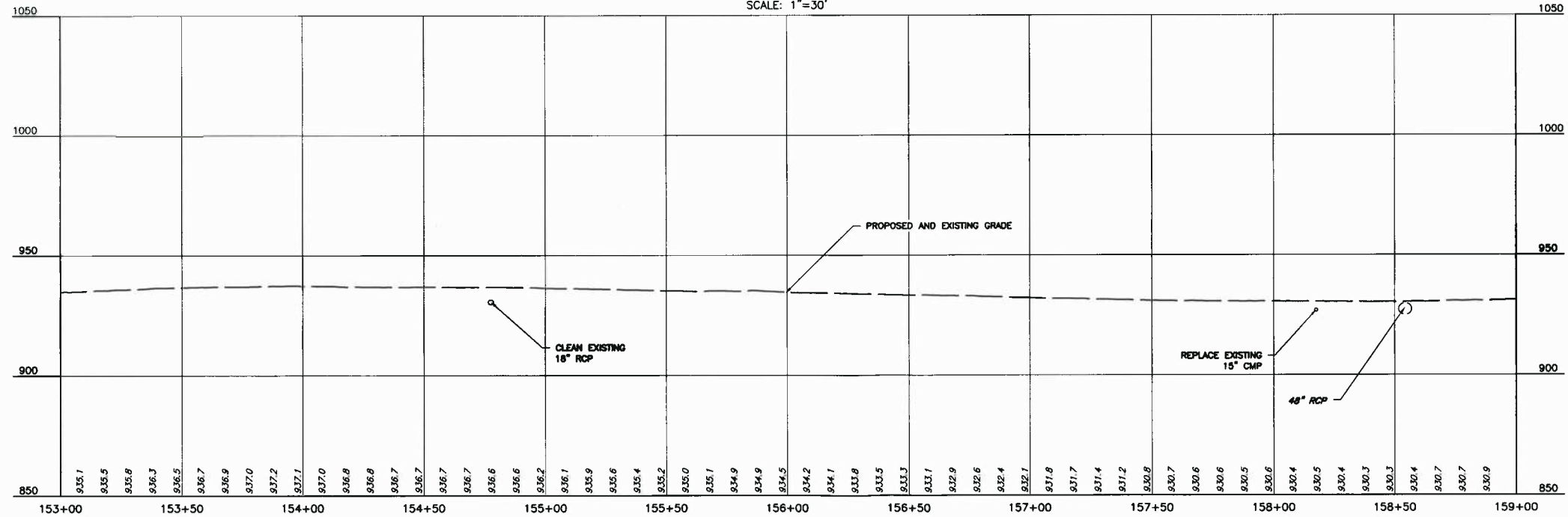
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



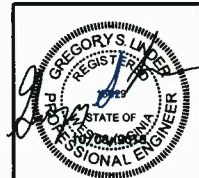
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- 850 EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- OH-E EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

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SUBMITTAL & REVISION RECORD	
NO.	DATE

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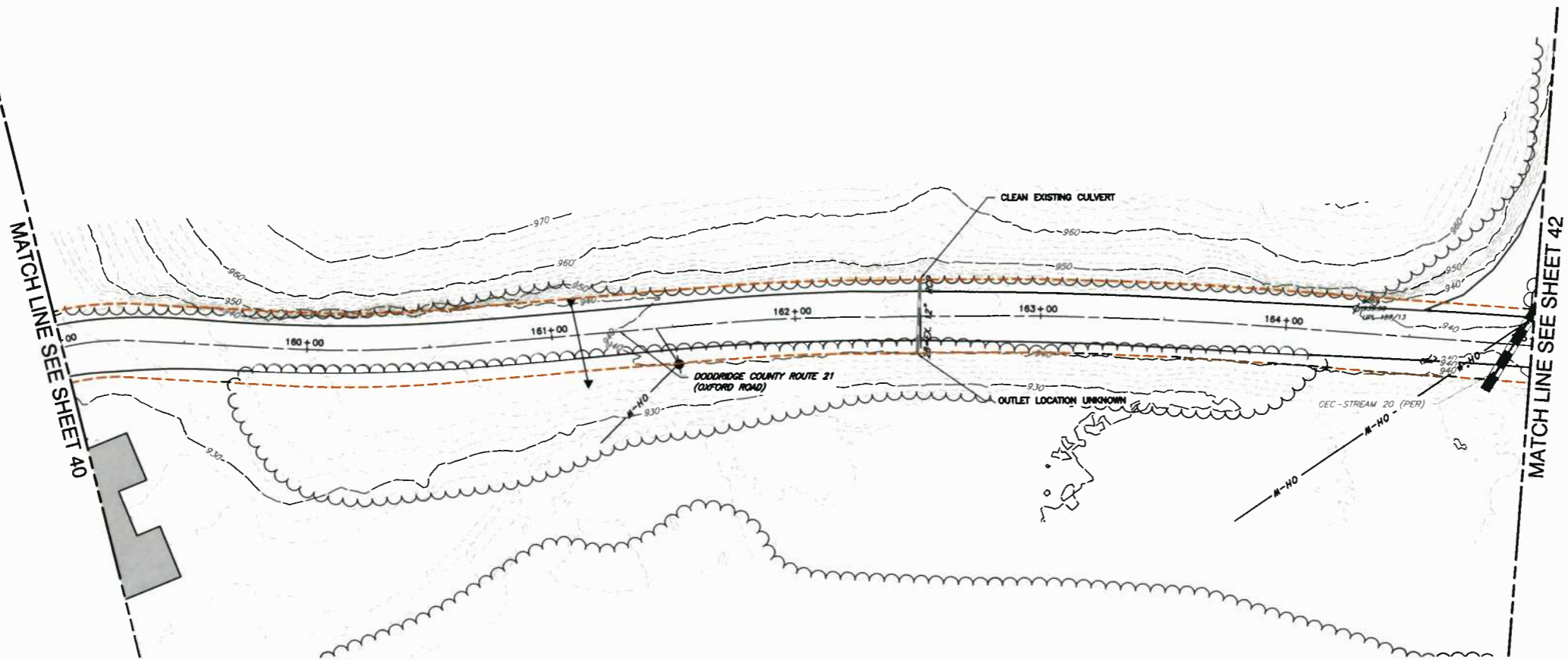
**EQT PRODUCTION COMPANY
 OXFORD ROAD
 COUNTY ROUTE REHABILITATION
 DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET**

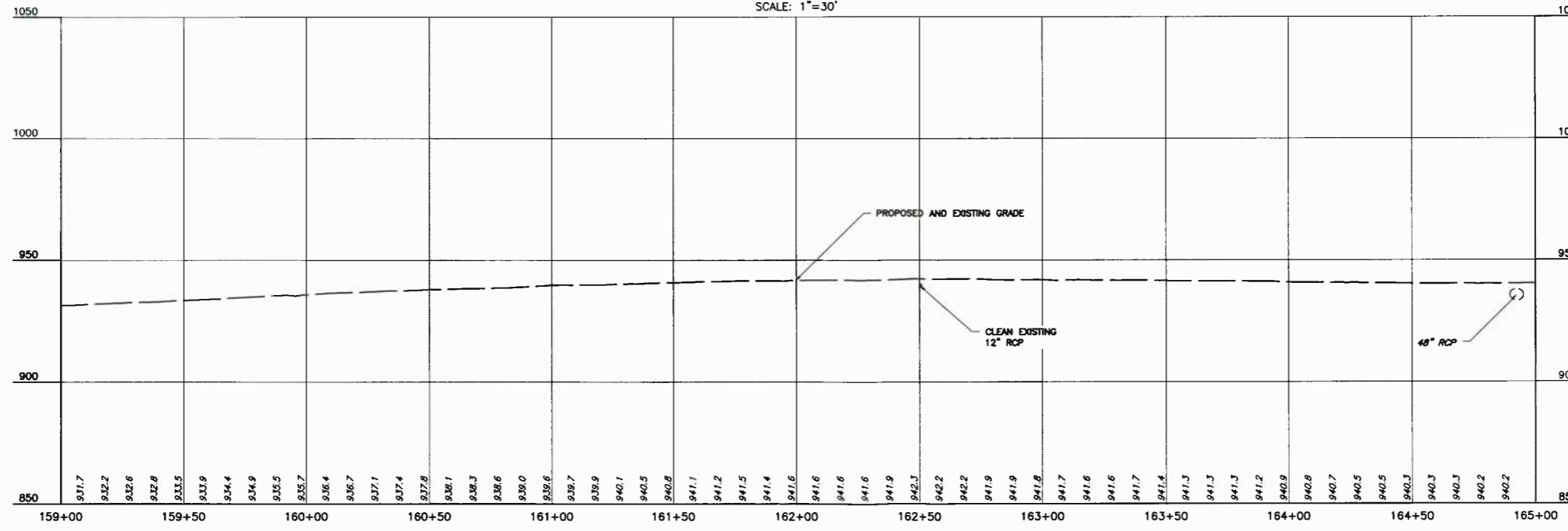
DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01	APPROVED BY:	GSL

DRAWING NO.: **40**
 SHEET 40 OF 65

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PLAN VIEW
SCALE: 1"=30'



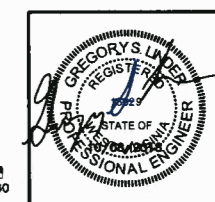
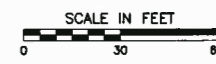
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (WATER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
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DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	1852-735TR01		
APPROVED BY:	GSL		

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DRAWING NO.:
41
SHEET 41 OF 65

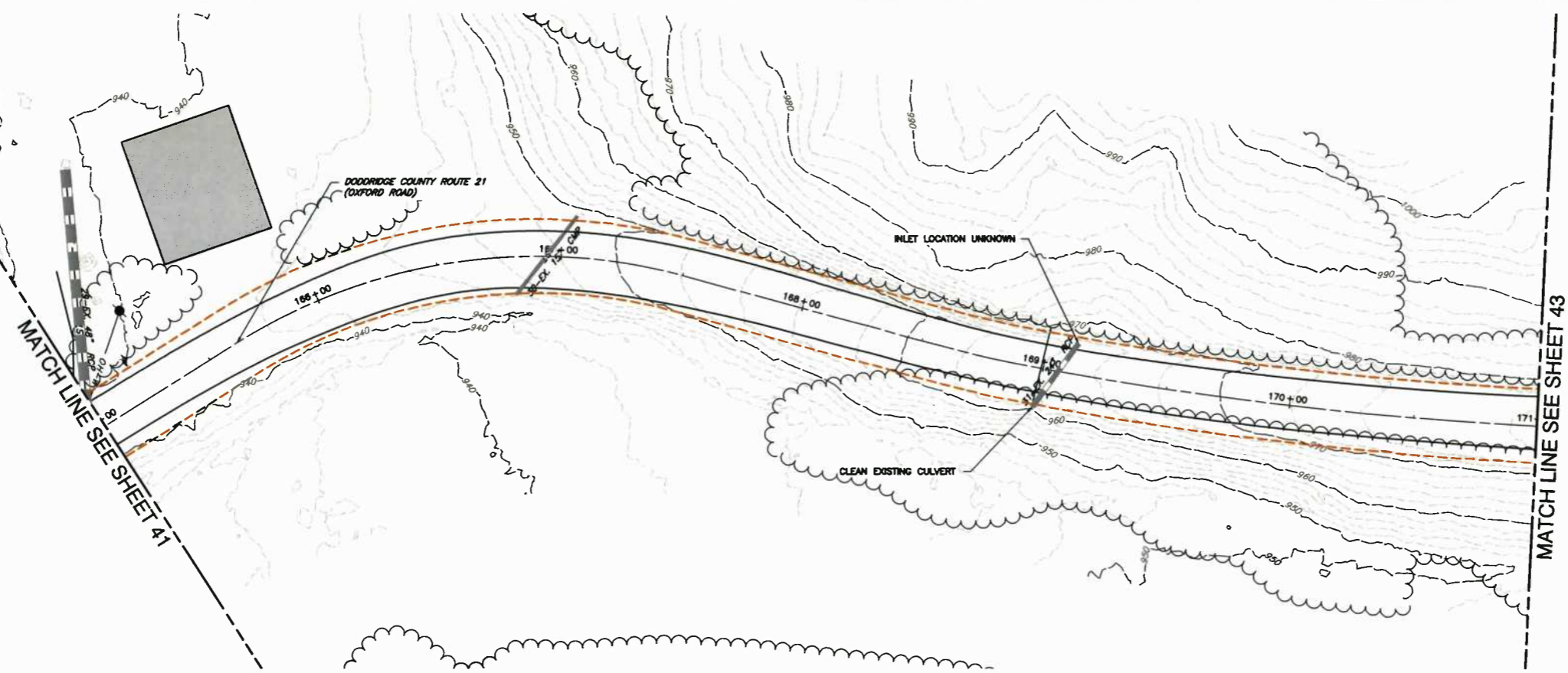
EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDORGE COUNTY, WV

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

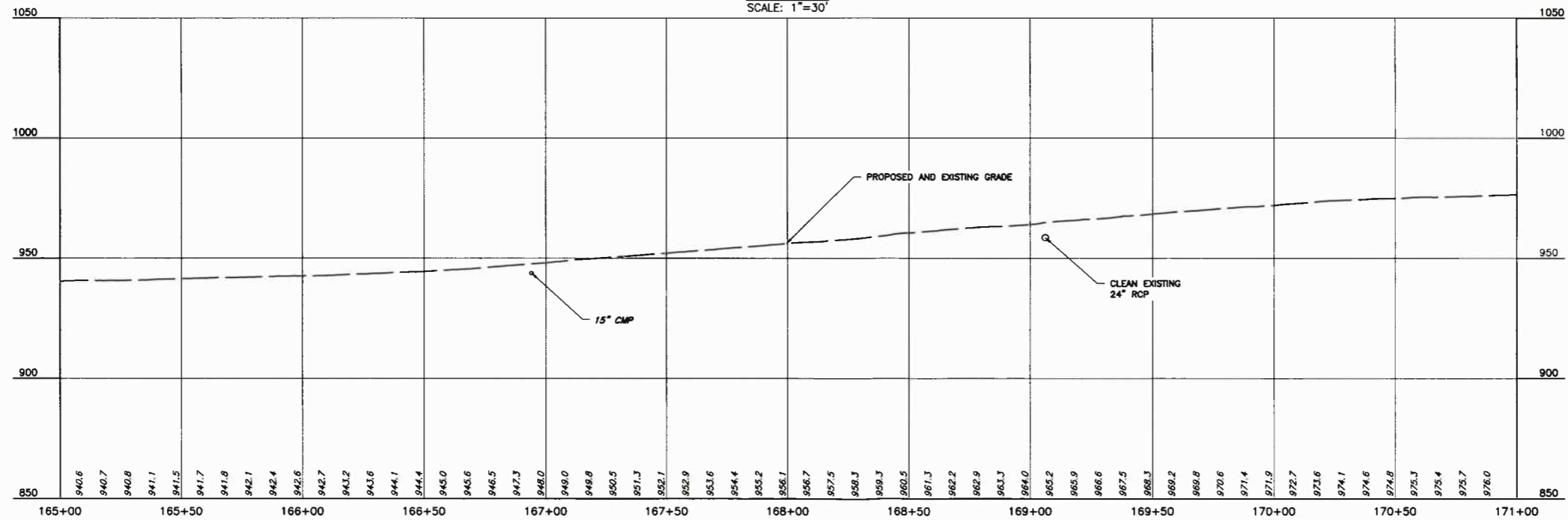
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

I:\1852-735TR01\1852-735TR01\1852-735TR01-PLAN\PROFILES\PROFILES.DWG - 10/10/2018 12:44 PM



PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.

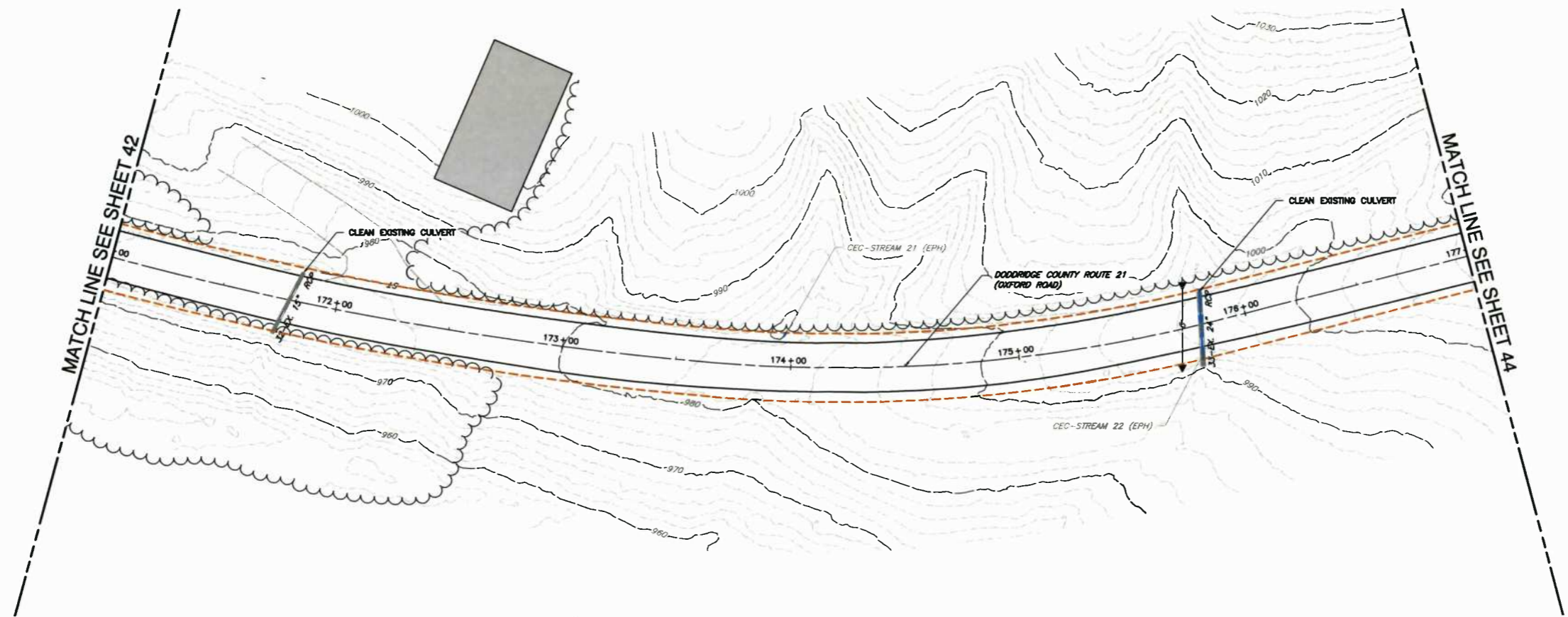


PROPOSED DRIVEWAY PLAN AND PROFILE SHEET	
DATE:	OCTOBER 2018
DWG SCALE:	1"=30'
PROJECT NO.:	183-735TR01
DRAWN BY:	MAS
CHECKED BY:	PWC
APPROVED BY:	GSL

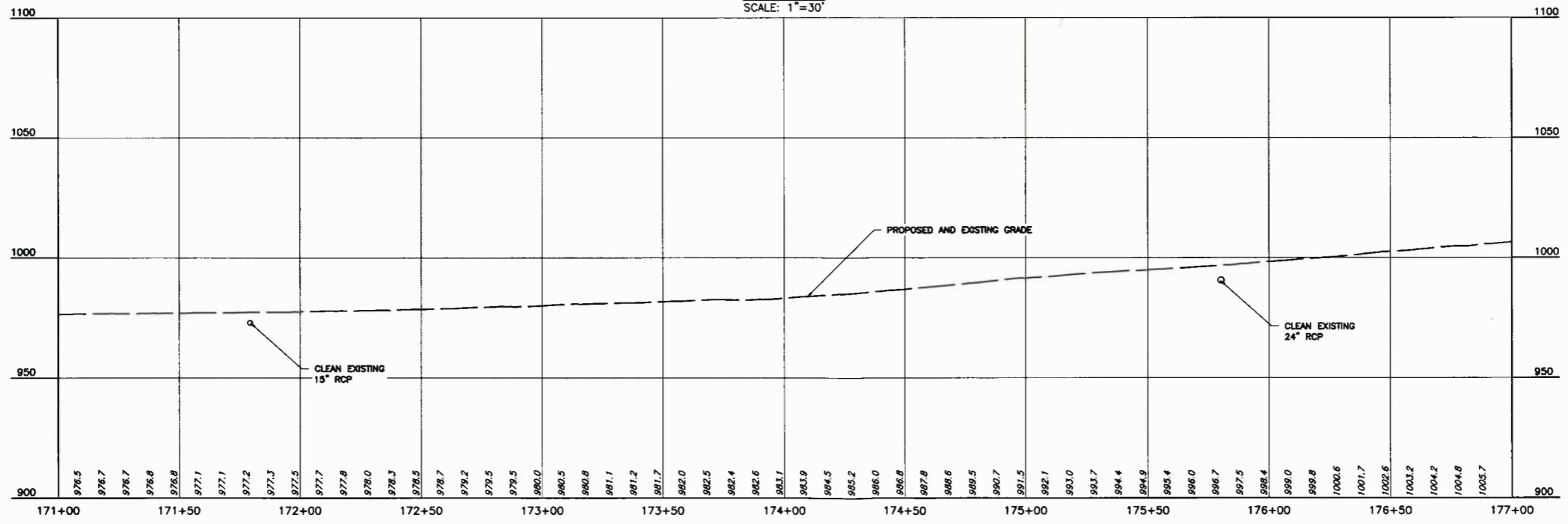
**EGT PRODUCTION COMPANY
OXFORD ROAD
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DODDRIDGE COUNTY, WV**

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SUBMITTAL & REVISION RECORD	
NO.	DESCRIPTION



PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELMITATED STREAM
	EXISTING TREE LINE		DELMITATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
 2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

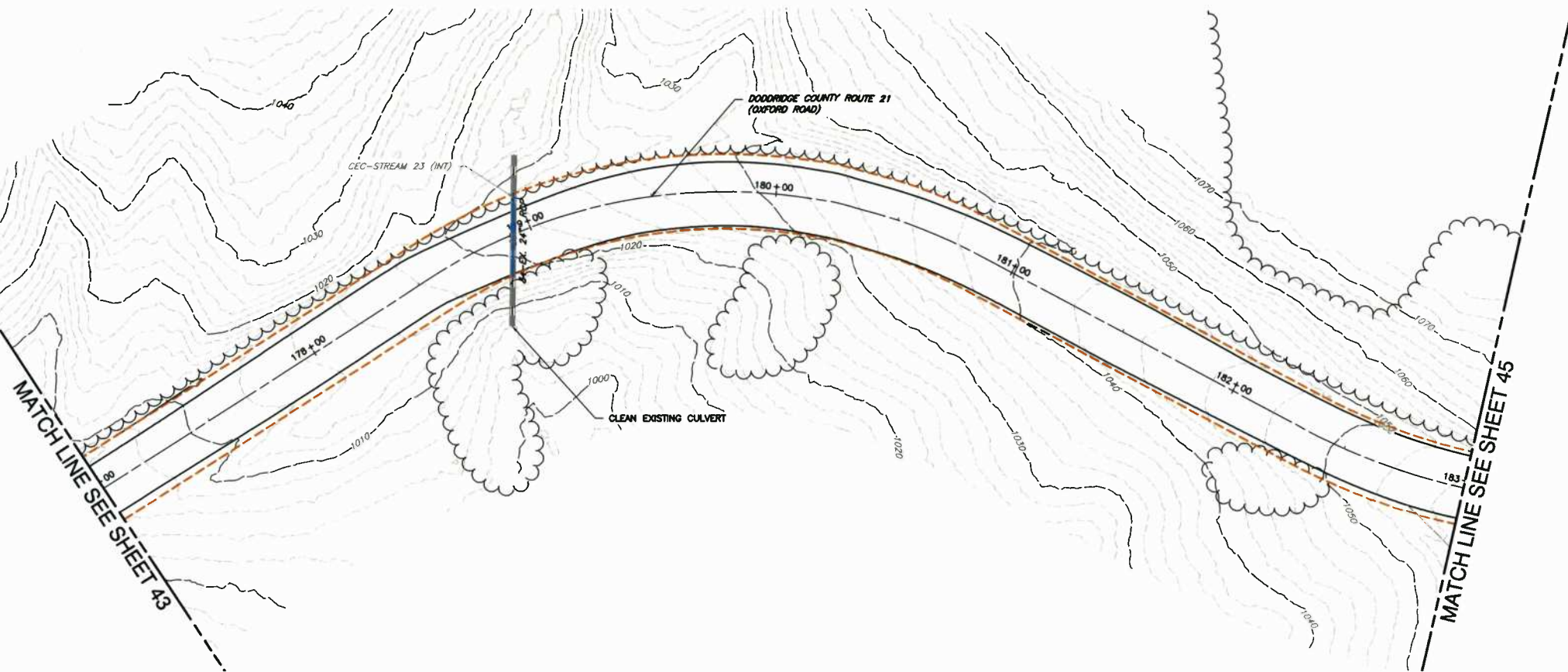
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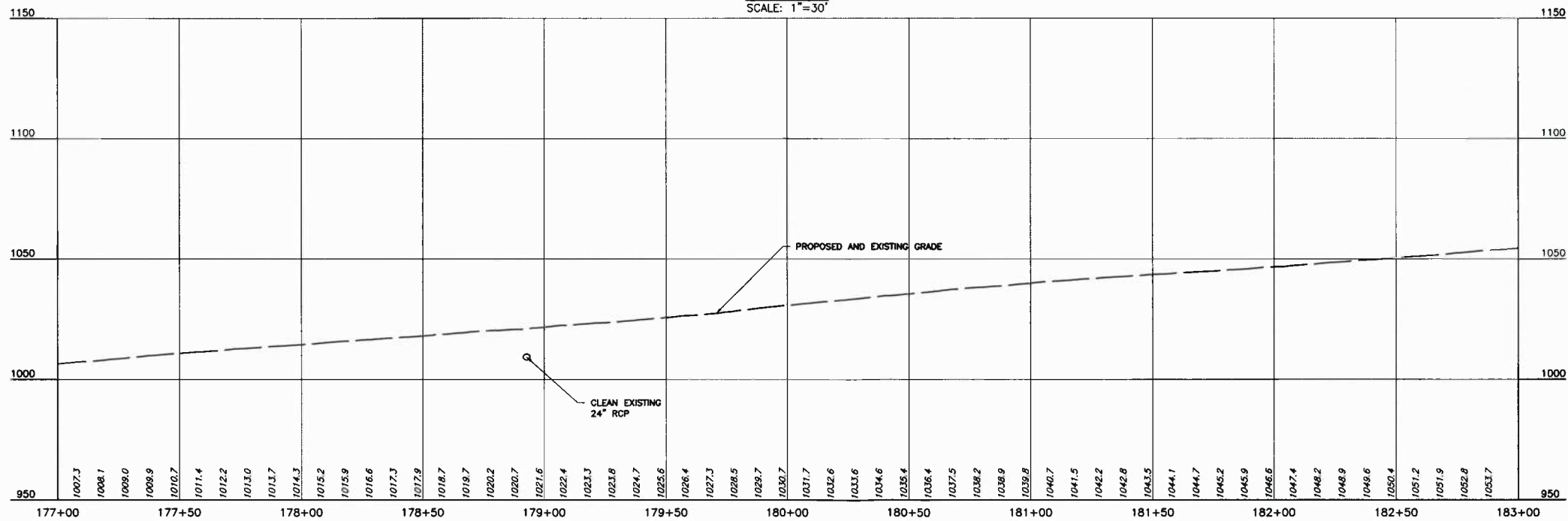
PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: GSL

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PLAN VIEW
SCALE: 1"=30'



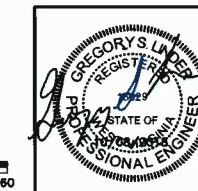
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD	
NO	DATE

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DODDRIDGE COUNTY, WV

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO: 183-735TR01
APPROVED BY: GSI

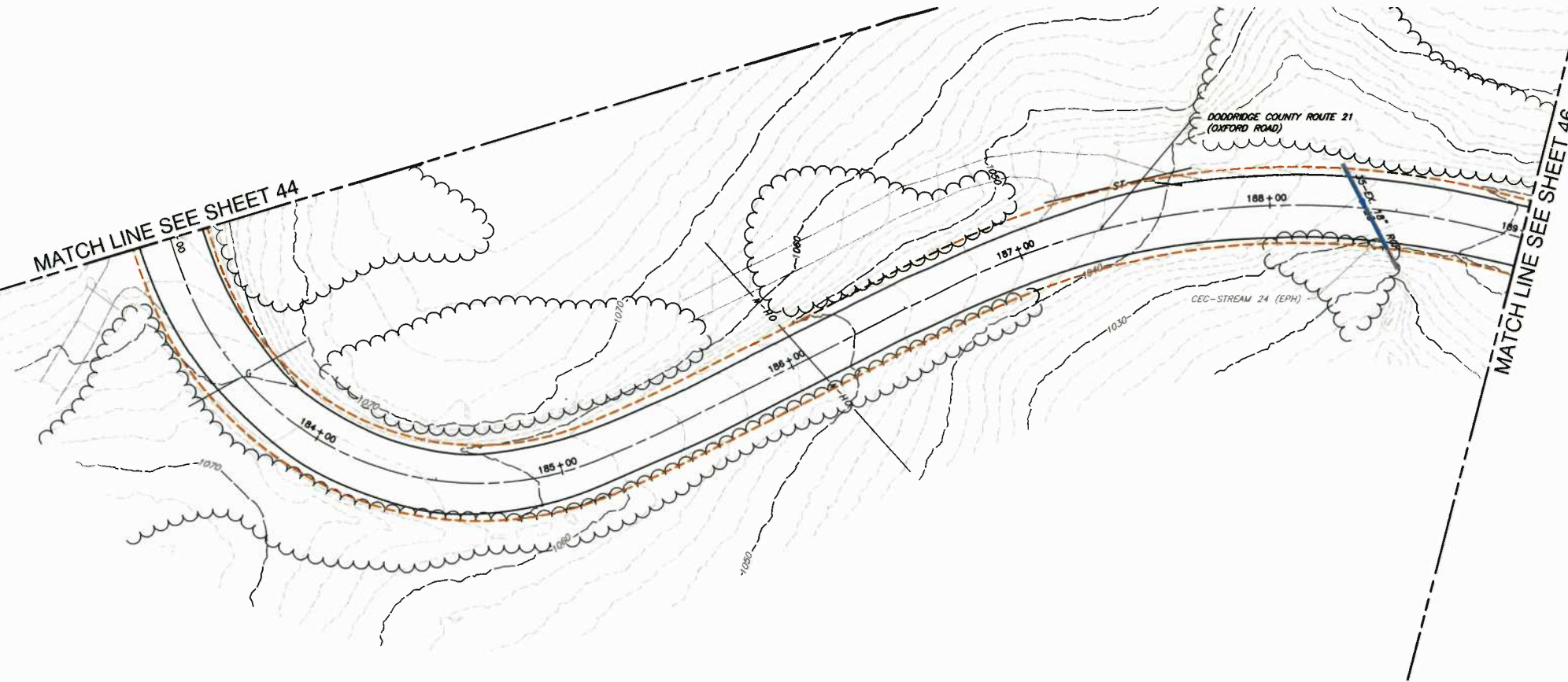
DRAWING NO.: **44**
SHEET 44 OF 65

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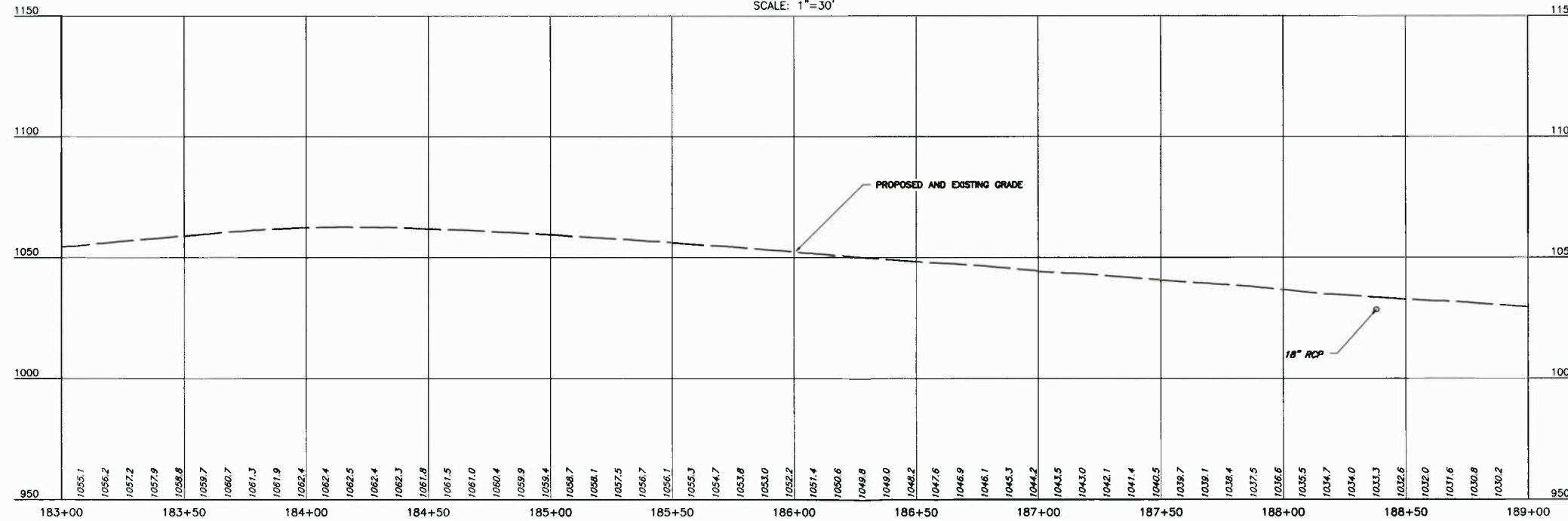


MATCH LINE SEE SHEET 44

MATCH LINE SEE SHEET 46



PLAN VIEW
SCALE: 1"=30'



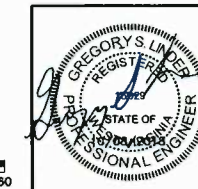
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

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SUBMITTAL & REVISION RECORD	
NO.	DATE

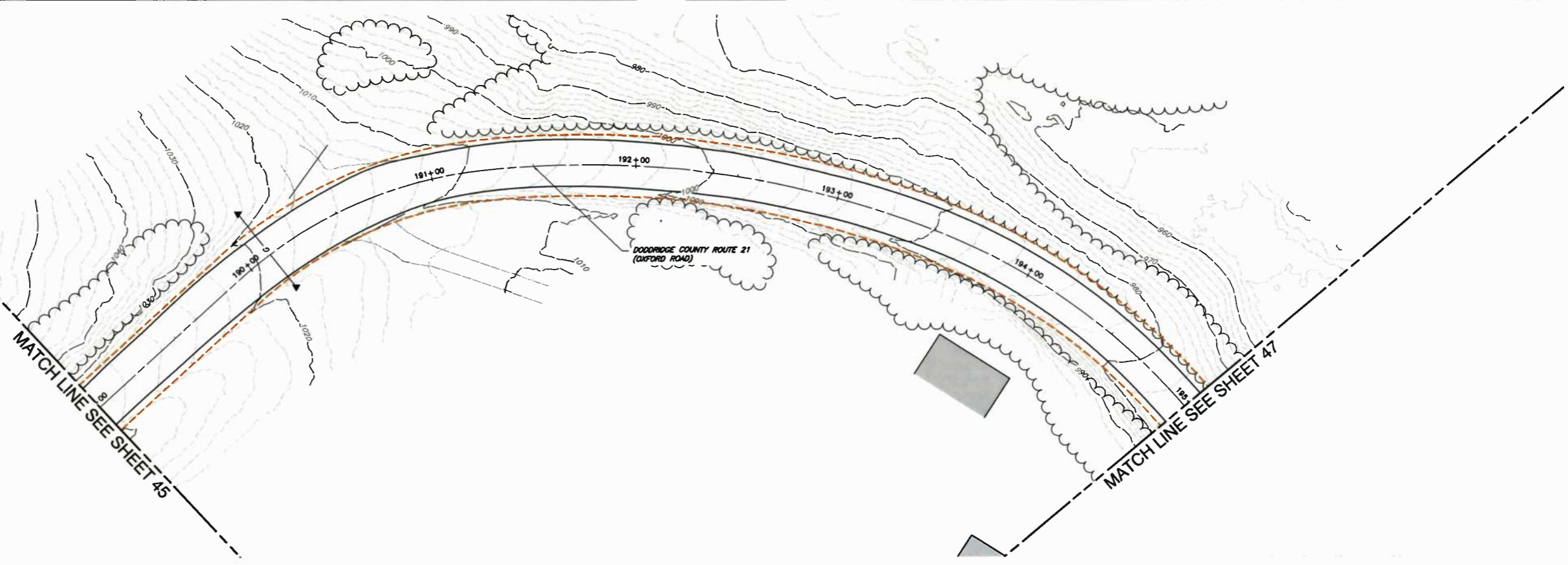
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Civil & Environmental Consultants, Inc.
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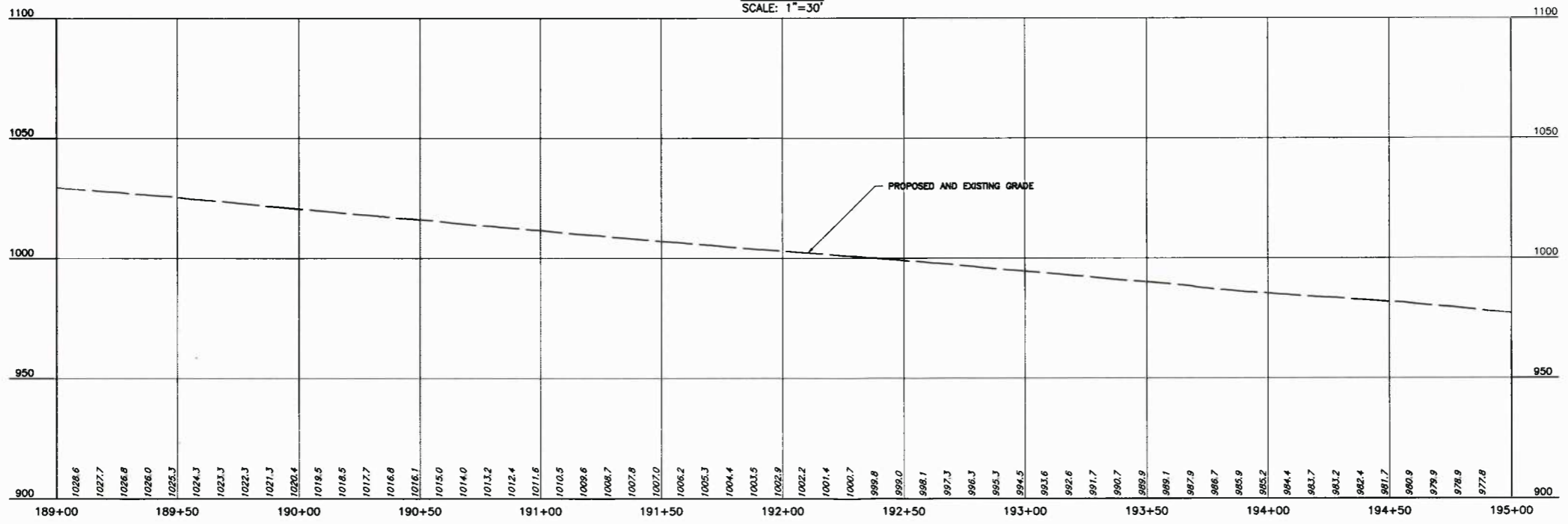
DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01	APPROVED BY:	GSL

DRAWING NO.:
45
 SHEET 45 OF 65

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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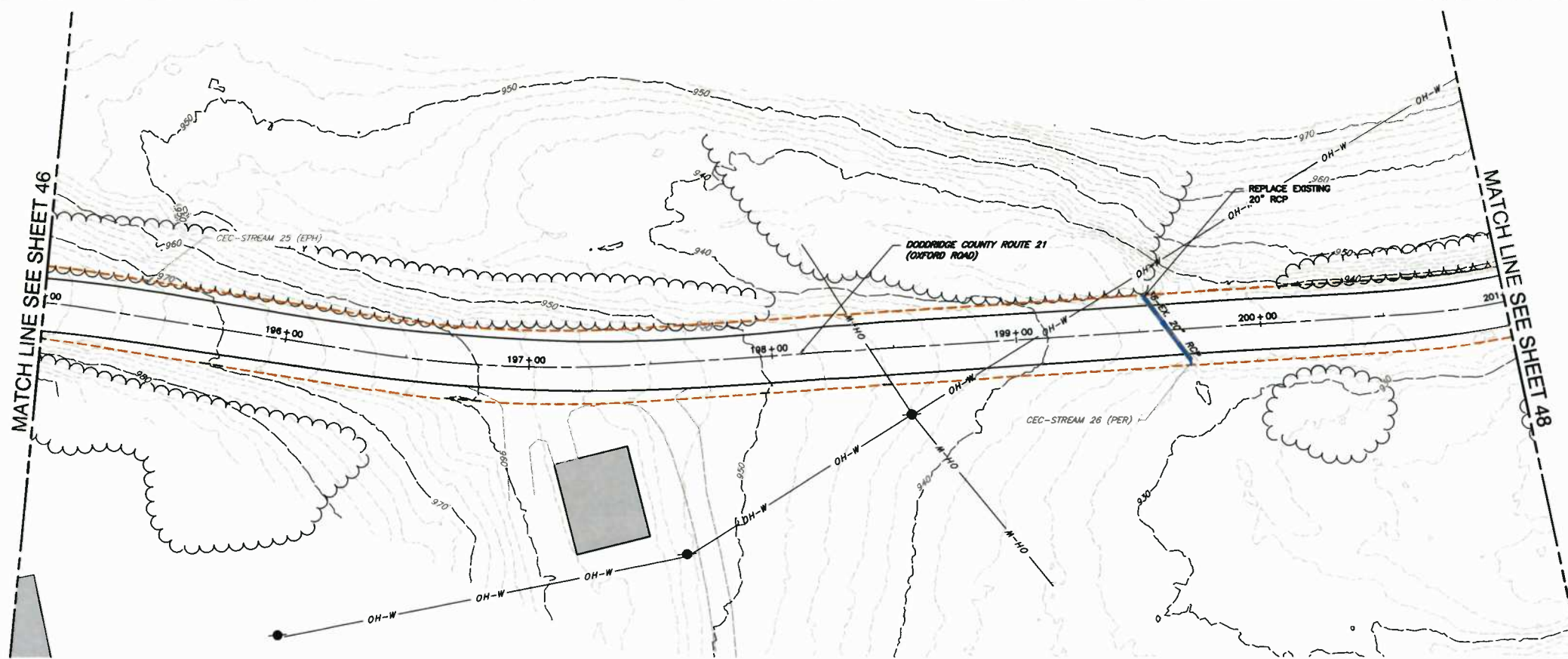
**EQT PRODUCTION COMPANY
 OXFORD ROAD
 COUNTY ROUTE REHABILITATION
 DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET**

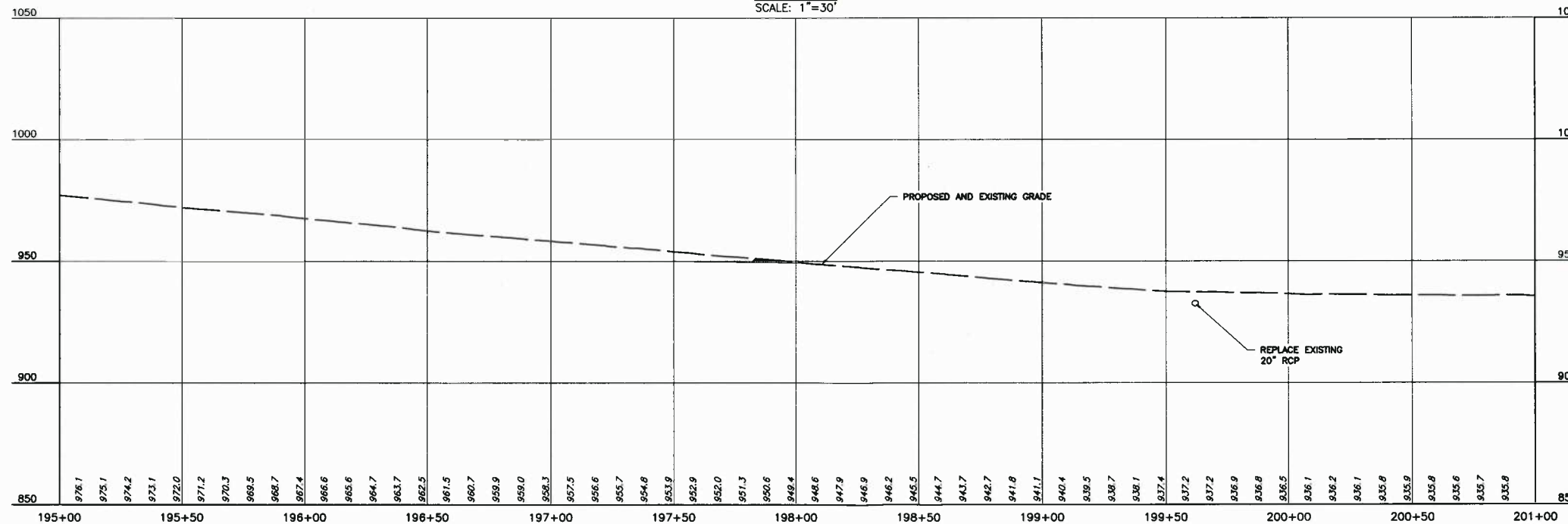
DATE: OCTOBER 2018 DRAWN BY: MAS
 DWG SCALE: 1"=30' CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: GSJ

DRAWING NO.: **46**
 SHEET 46 OF 65

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PLAN VIEW
SCALE: 1"=30'



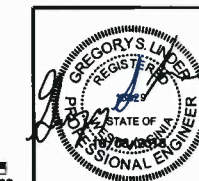
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- OH-E EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



DATE:	OCTOBER 2018	DRAWN BY:	MAS
DWG SCALE:	1"=30'	CHECKED BY:	PWC
PROJECT NO.:	183-735TR01	APPROVED BY:	GSL

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

Civil & Environmental Consultants, Inc.
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Ph: 304.933.3119 · 855.488.9539 · Fax: 304.933.3327
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SUBMITTAL & REVISION RECORD

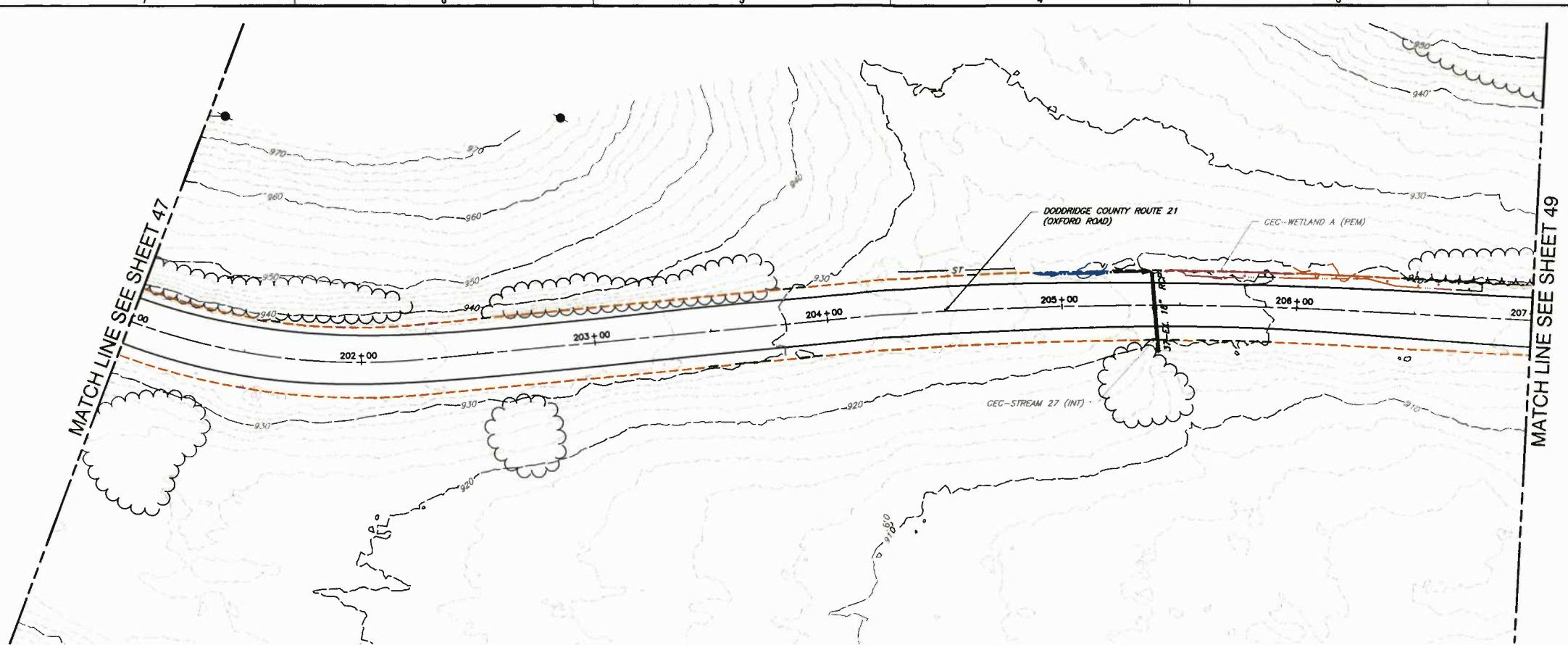
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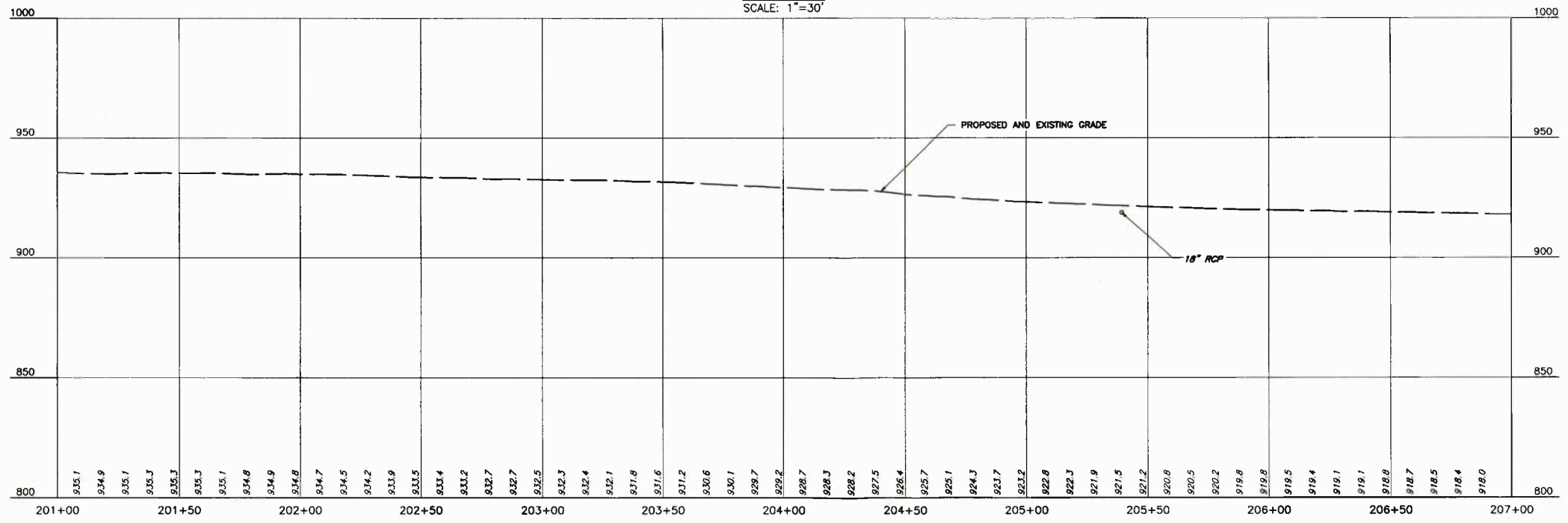
47

SHEET 47 OF 65

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PLAN VIEW
SCALE: 1"=30'

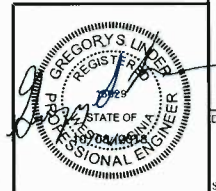


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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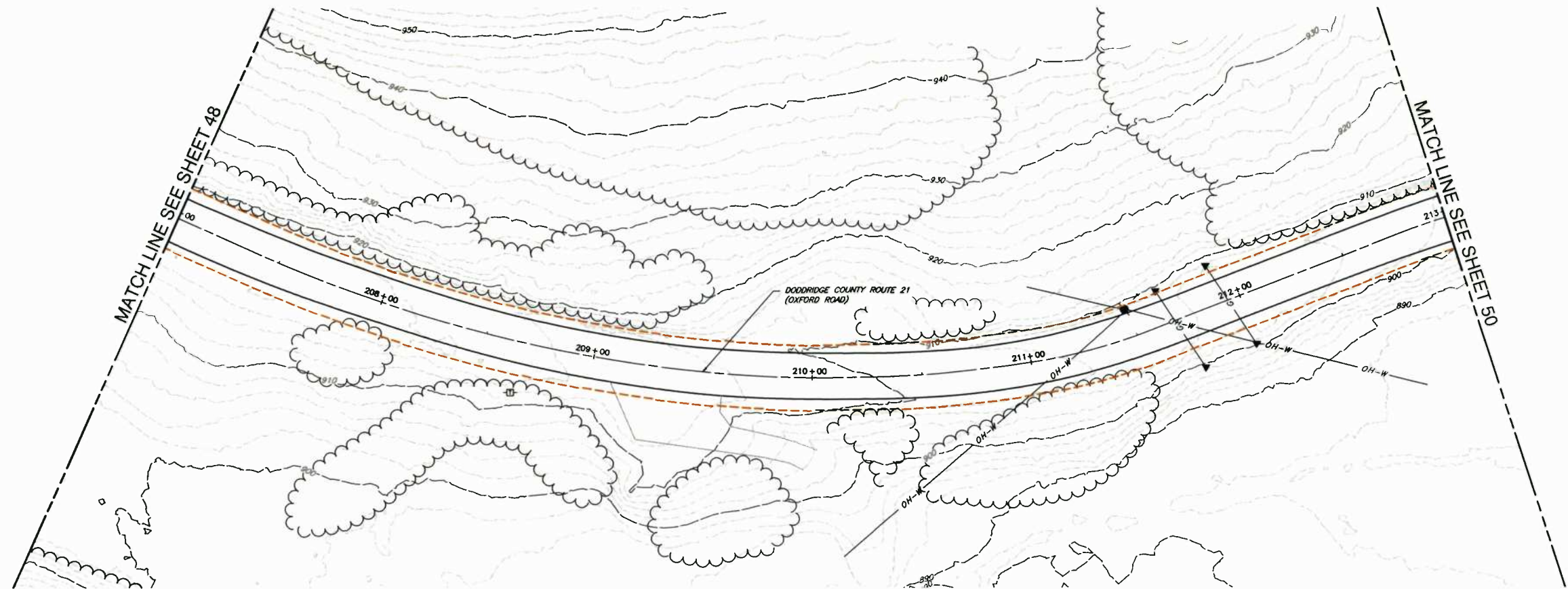
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EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

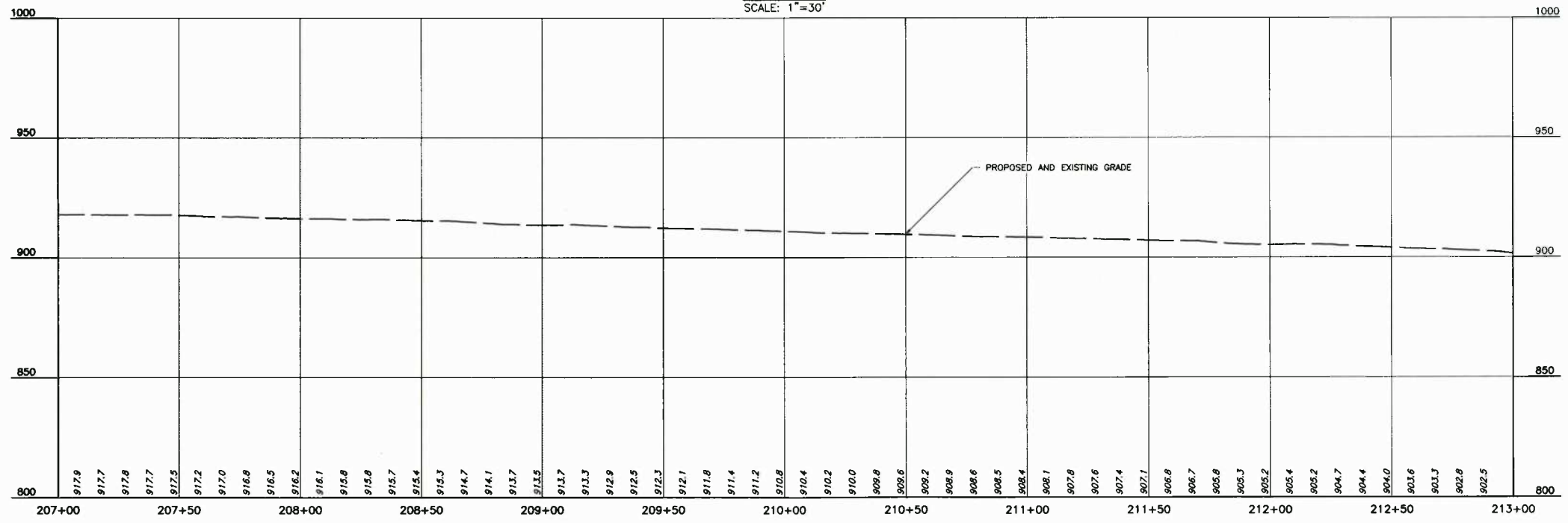
PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DRAWING NO.: **48**
 SHEET 48 OF 65

DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 CHECKED BY: PWC
 PROJECT NO: 182-735TR01
 APPROVED BY: GSL



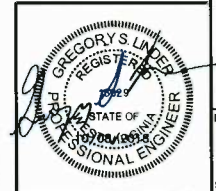
PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

- LEGEND**
- 850- EXISTING INDEX CONTOUR
 - - - - EXISTING CONTOUR (INTER)
 - - - - EXISTING TREE LINE
 - - - - EXISTING FENCE
 - ===== EXISTING ROADS (PAVED)
 - EXISTING ROADS (UNPAVED)
 - EXISTING TREE
 - - - - EXISTING GUARDRAIL
 - EXISTING UTILITY POLE
 - EXISTING STREET SIGN
 - OH-E EXISTING OVERHEAD UTILITY
 - EXISTING GASLINE
 - - - - FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
 - - - - AREA OF INTEREST
 - DELINEATED STREAM
 - ▭ DELINEATED WETLAND

- REFERENCE**
1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

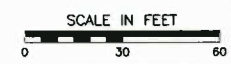
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 Ph: 304.933.3119 · 855.488.9539 · Fax: 304.933.3327
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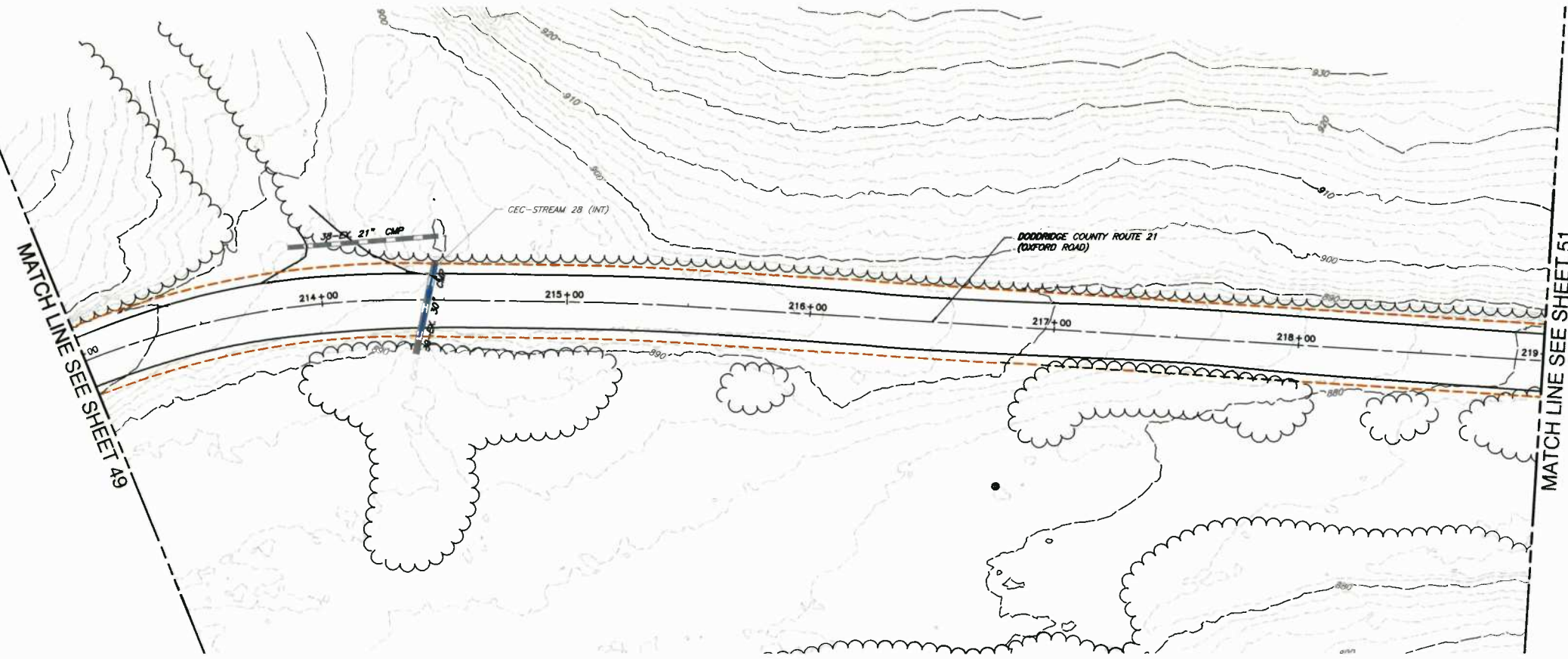
EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

PROPOSED DRIVEWAY
 PLAN AND PROFILE SHEET

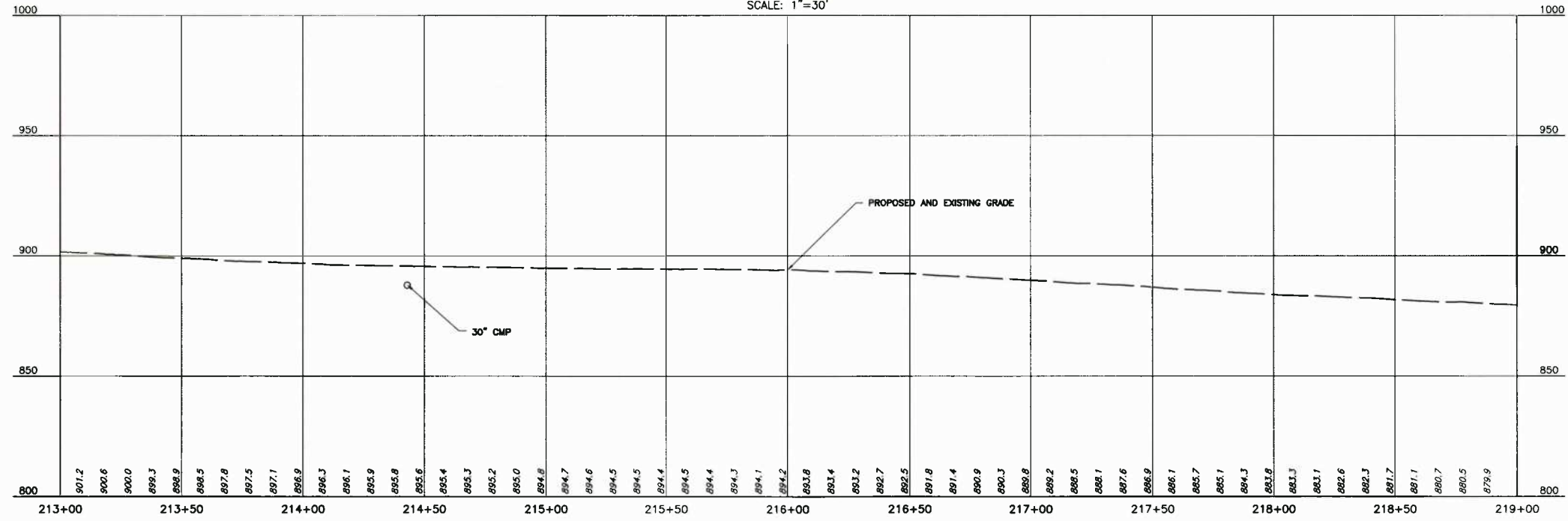
DRAWING NO.:
49
 SHEET 49 OF 65

DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 PROJECT NO: 185-735TR01
 PWC
 GSL
 APPROVED BY:





PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

- LEGEND**
- 850 (contour line symbol) EXISTING INDEX CONTOUR
 - (contour line with 'INT') EXISTING CONTOUR (INTER)
 - (wavy line) EXISTING TREE LINE
 - (dashed line) EXISTING FENCE
 - (solid line) EXISTING ROADS (PAVED)
 - (dashed line) EXISTING ROADS (UNPAVED)
 - (circle with 'T') EXISTING TREE
 - (circle with 'G') EXISTING GUARDRAIL
 - (circle with 'U') EXISTING UTILITY POLE
 - (circle with 'S') EXISTING STREET SIGN
 - (circle with 'O') EXISTING OVERHEAD UTILITY
 - (circle with 'G') EXISTING GASLINE
 - (dashed line with 'A') FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
 - (dashed line) AREA OF INTEREST
 - (blue arrow) DELINEATED STREAM
 - (red dashed box) DELINEATED WETLAND

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
- THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



NO.	DATE	DESCRIPTION

CEC
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600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330
Ph: 304.933.3119 - 855.486.9539 - Fax: 304.933.3327
www.cecinc.com

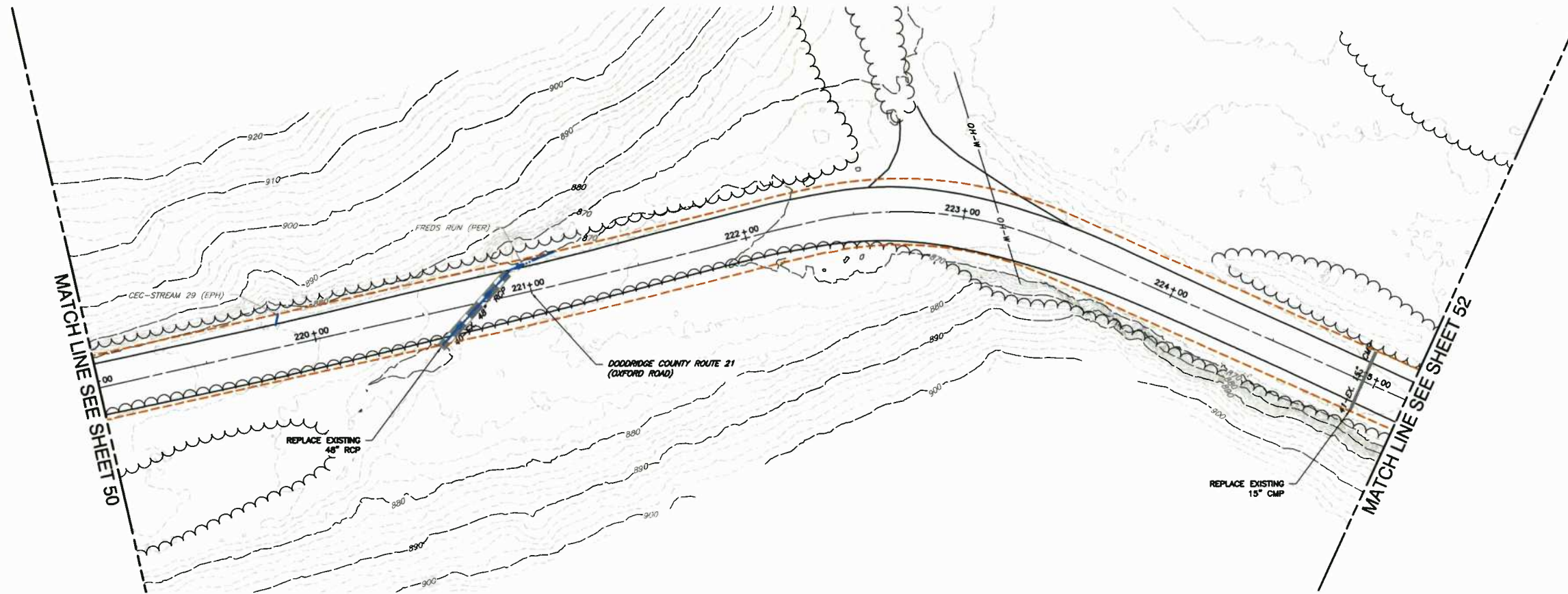
**EGT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

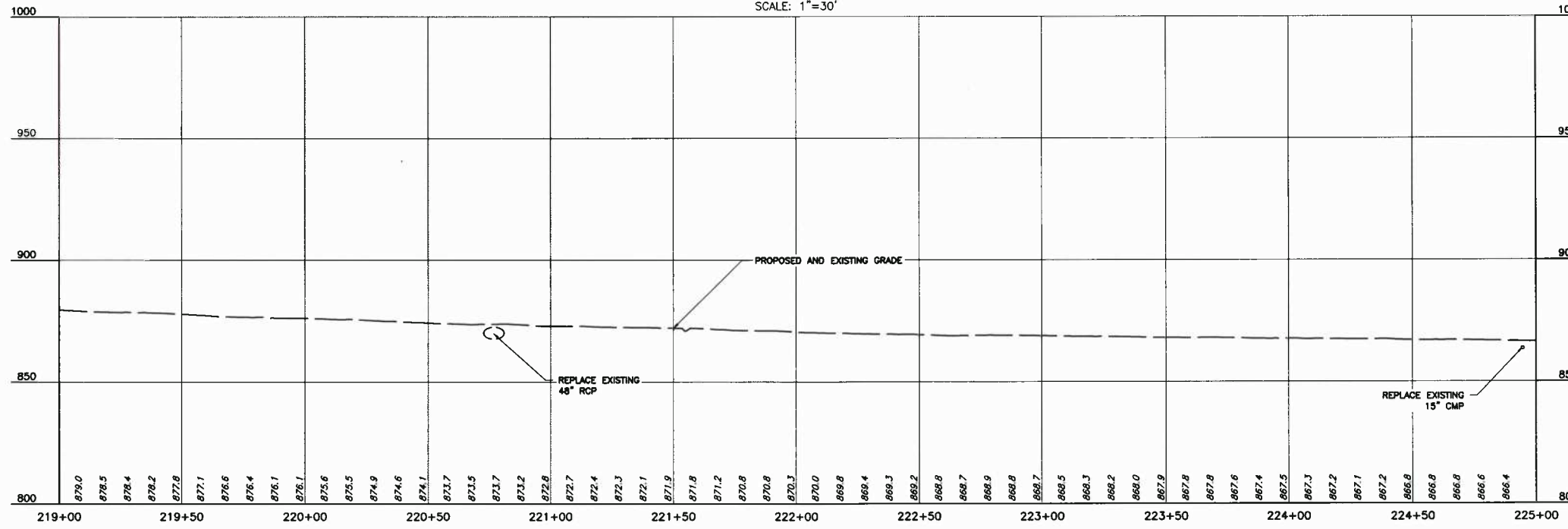
DRAWING NO.: **50**
SHEET 50 OF 65

DATE: OCTOBER 2018 (DRAWN BY: [unintelligible])
DWG SCALE: 1"=30' (CHECKED BY: [unintelligible])
PROJECT NO: 183-735TROT
APPROVED BY: [unintelligible]

I:\2018\183-735TROT\183-735TROT-PLAN-AND-PROFILE-SHEET.dwg - 10/26/2018 12:59 PM



PLAN VIEW
SCALE: 1"=30'



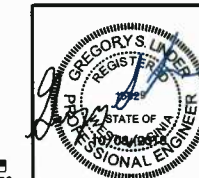
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELMATEAD STREAM
	EXISTING TREE LINE		DELMATEAD WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
- THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.

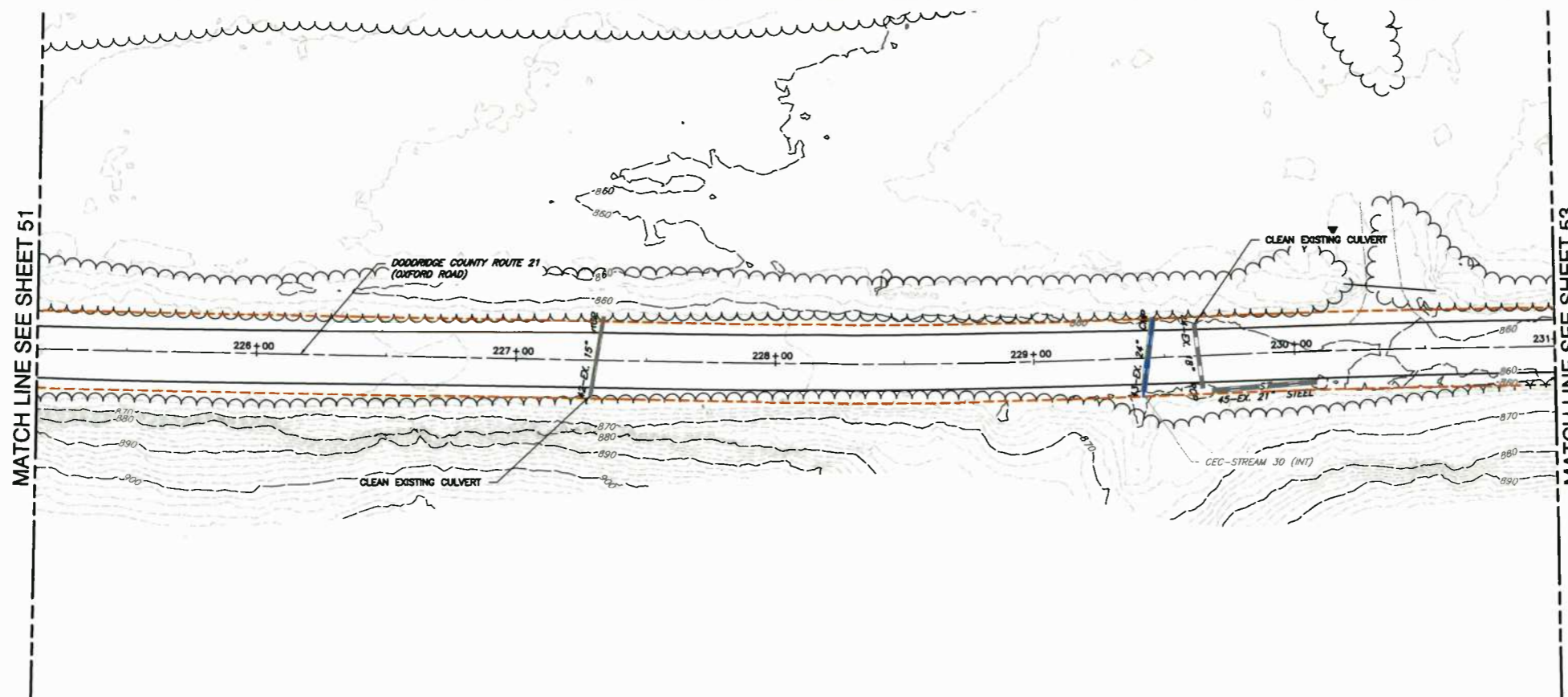


SUBMITTAL & REVISION RECORD	
NO.	DATE

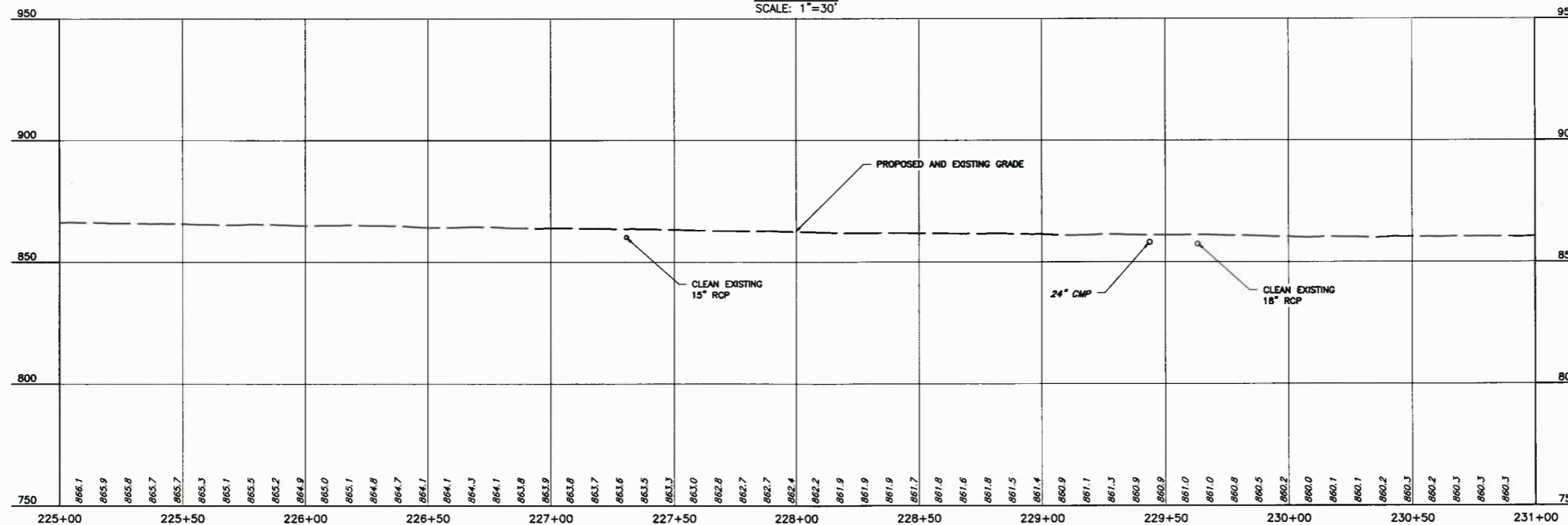
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**EQT PRODUCTION COMPANY
OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

PROPOSED DRIVEWAY PLAN AND PROFILE SHEET	DATE: OCTOBER 2018	DRAWN BY: MAS	PWC
	DWG SCALE: 1"=30'	CHECKED BY:	183-735TR01
	PROJECT NO:	APPROVED BY:	GSL



PLAN VIEW
SCALE: 1"=30'



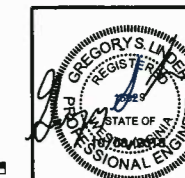
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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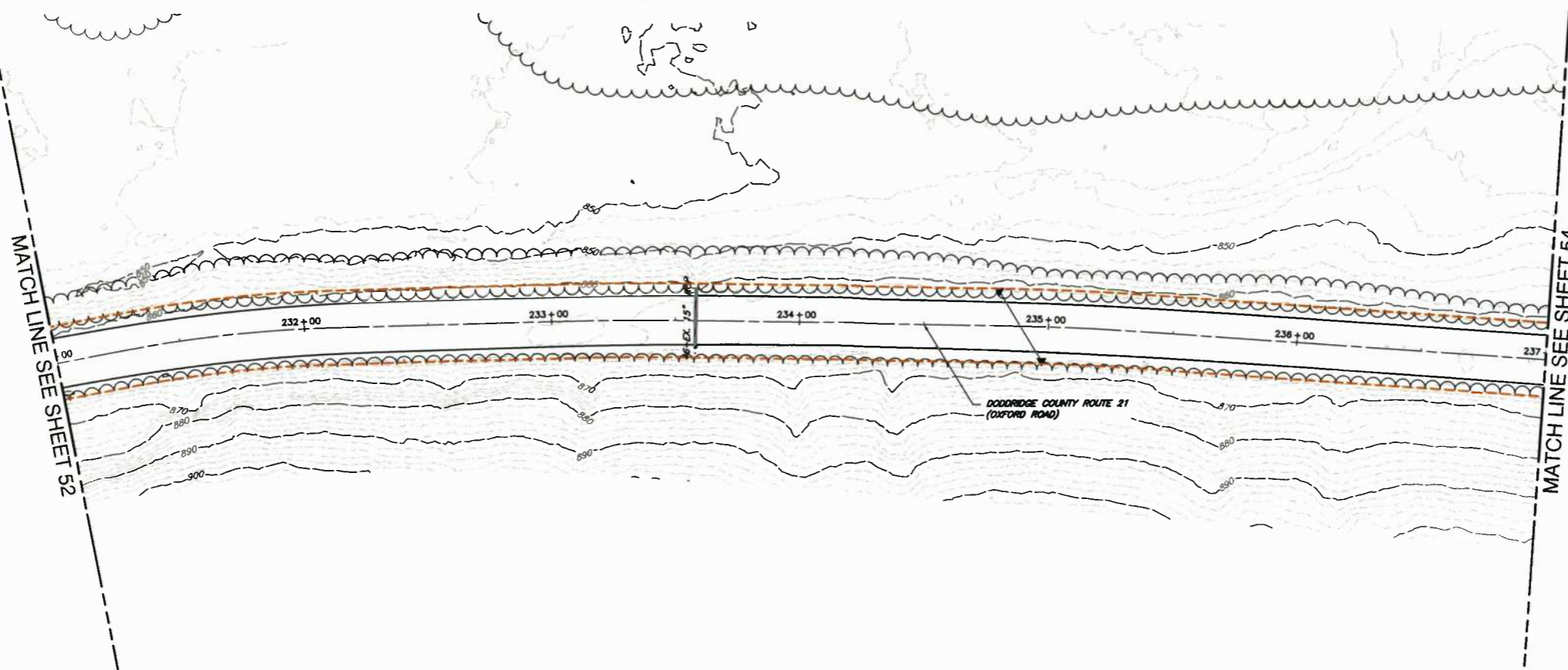
PROPOSED DRIVEWAY PLAN AND PROFILE SHEET	
DATE: OCTOBER 2018	DRAWN BY: MAS
DWG SCALE: 1"=30'	CHECKED BY: PWC
PROJECT NO: 193-735TR01	APPROVED BY: GSL

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OXFORD ROAD
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DODDRIDGE COUNTY, WV**

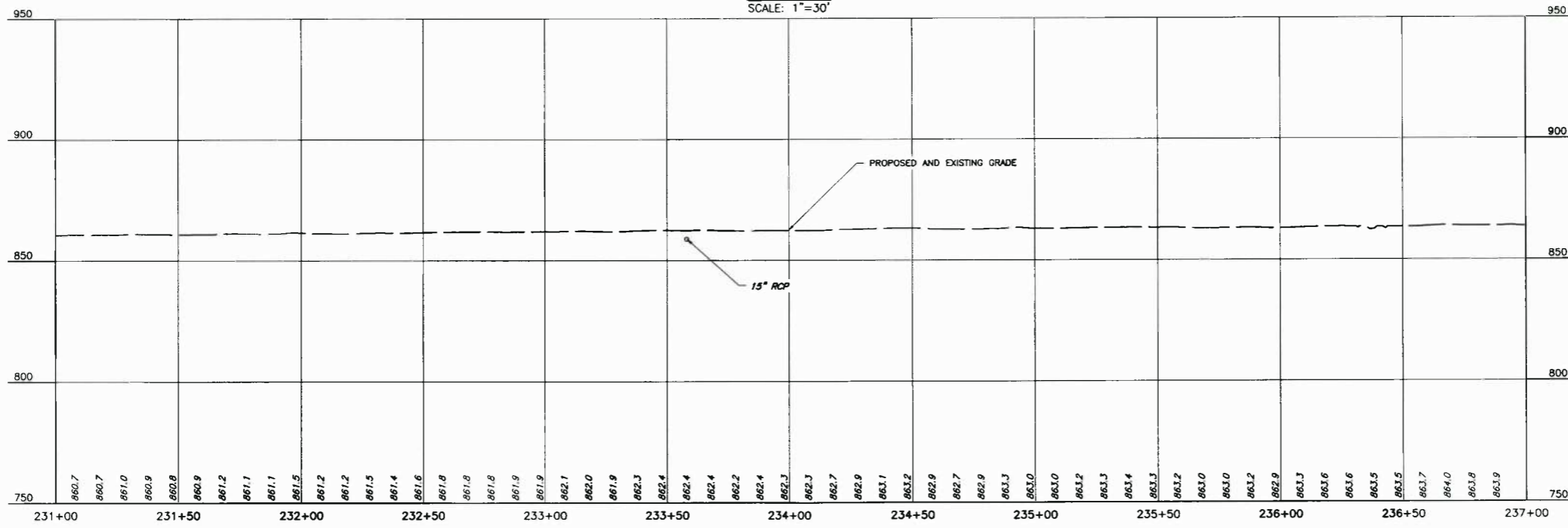
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SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION



PLAN VIEW
SCALE: 1"=30'

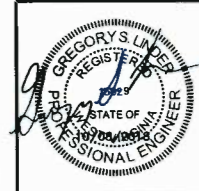
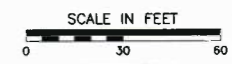


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

850	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

DRAWING NO.: **53**
SHEET 53 OF 65

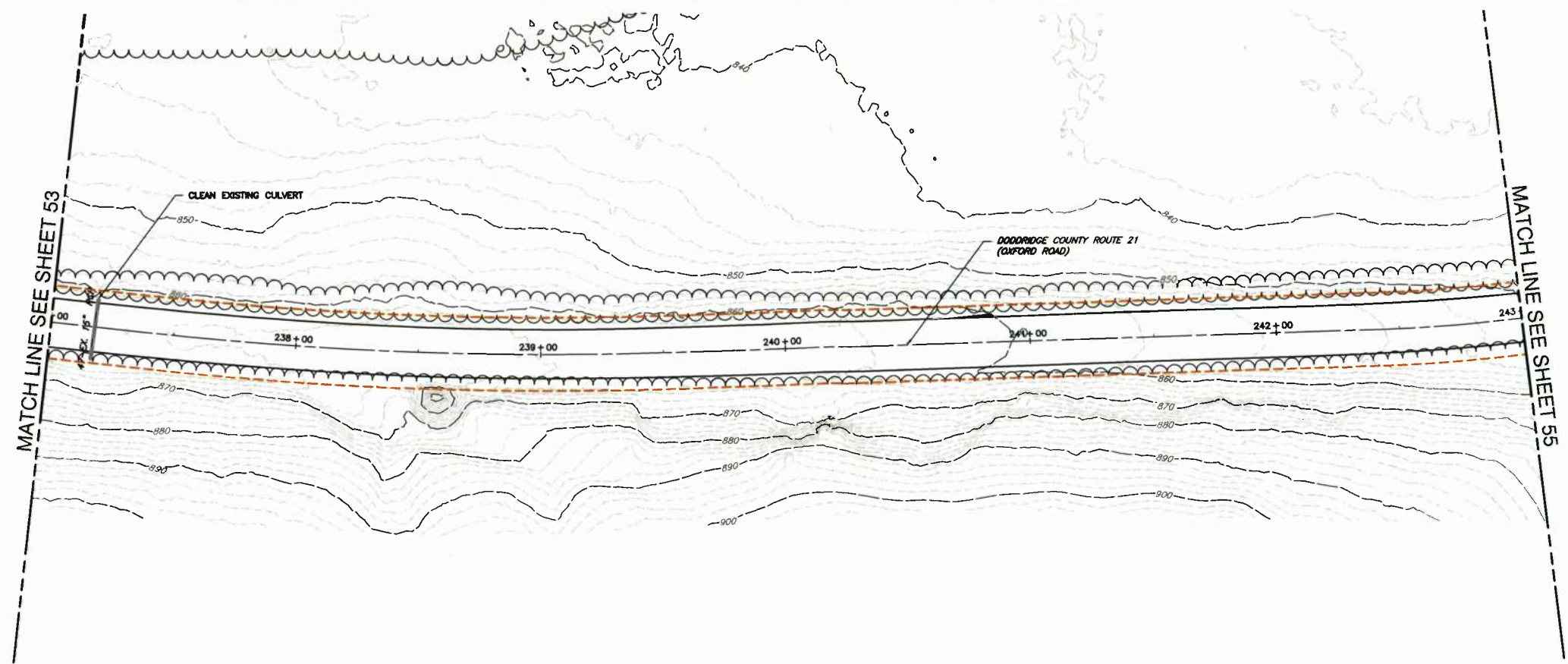
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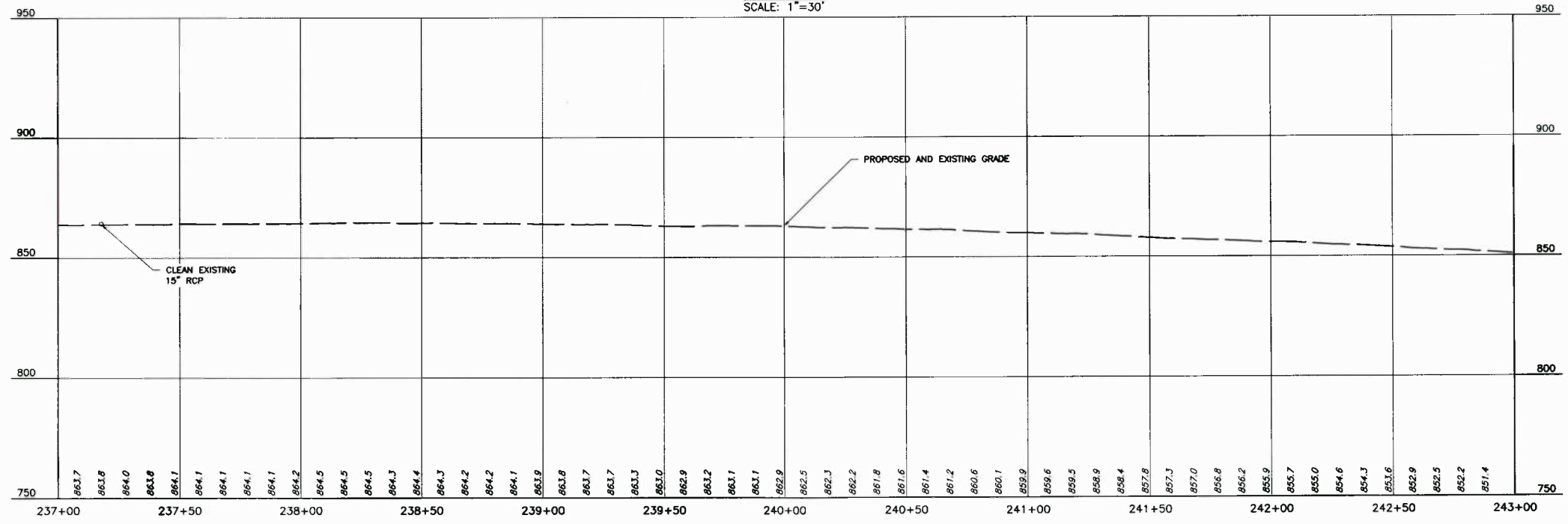
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'

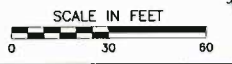
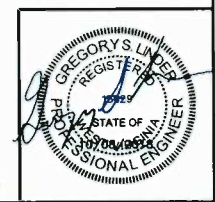


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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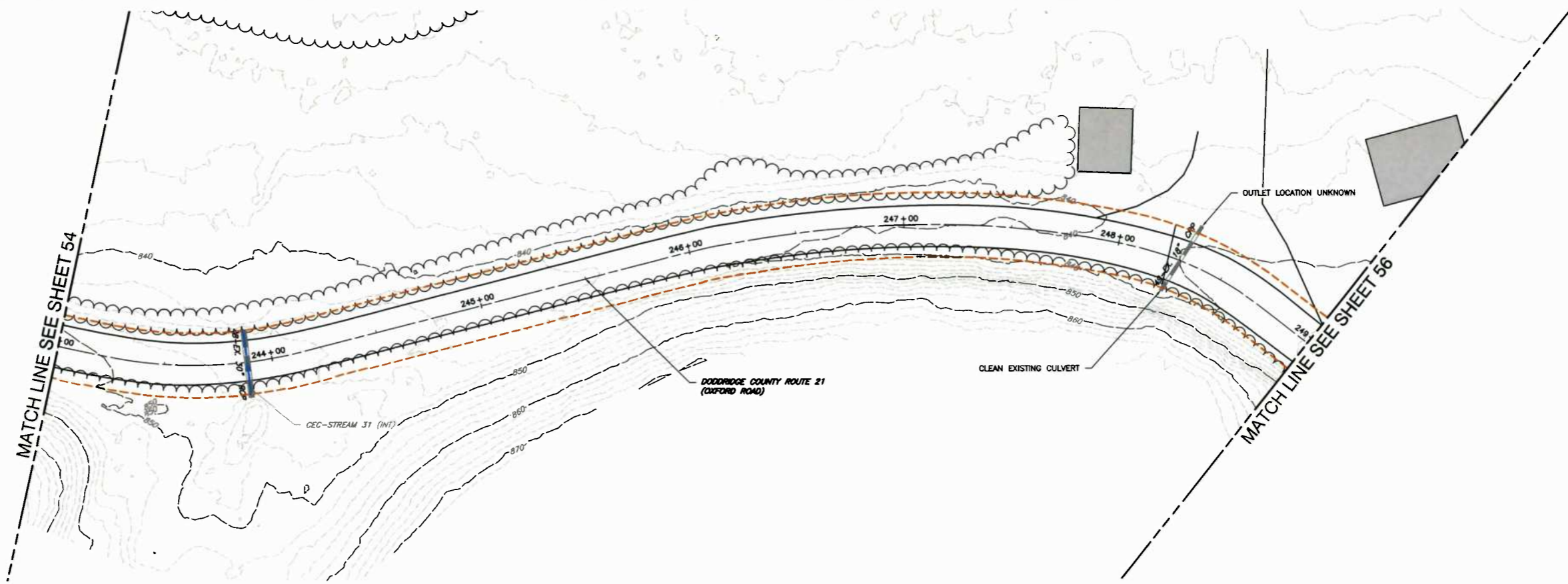
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OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

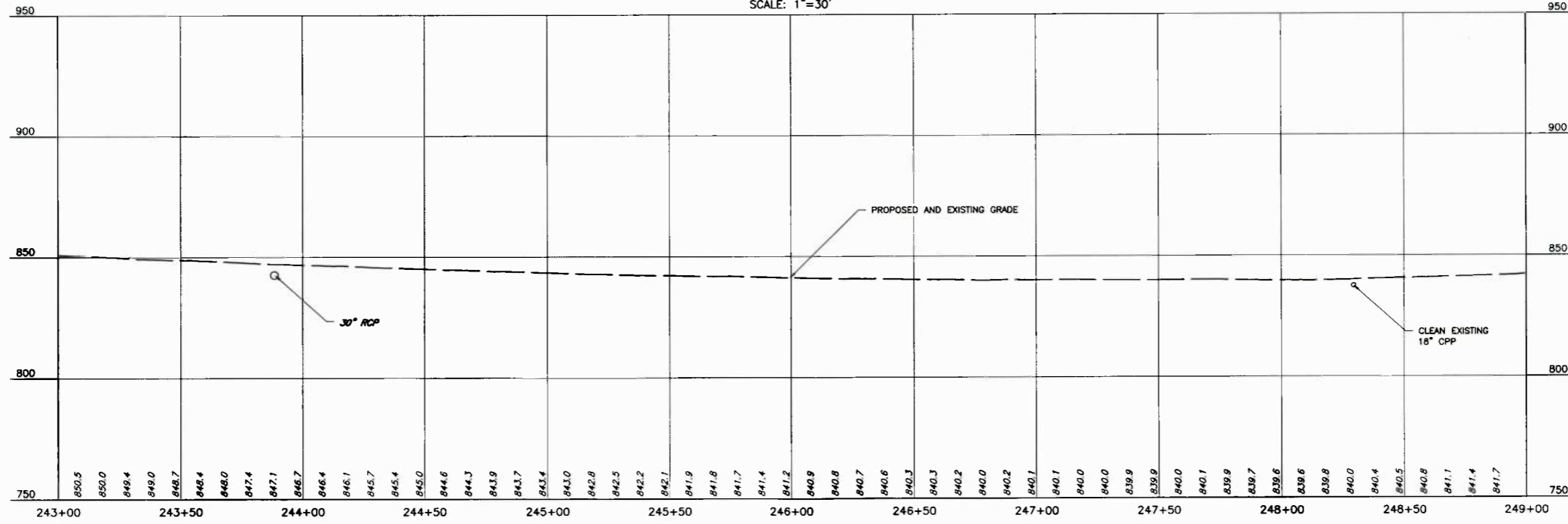
DATE	OCTOBER 2018	DRAWN BY	MAS
DWG SCALE	1"=30'	CHECKED BY	PWC
PROJECT NO.	182-735TR01	APPROVED BY	GSL

DRAWING NO.: **54**
SHEET 54 OF 65

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PLAN VIEW
SCALE: 1"=30'



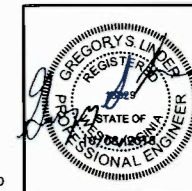
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

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PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

DRAWING NO.: **55**
SHEET 55 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

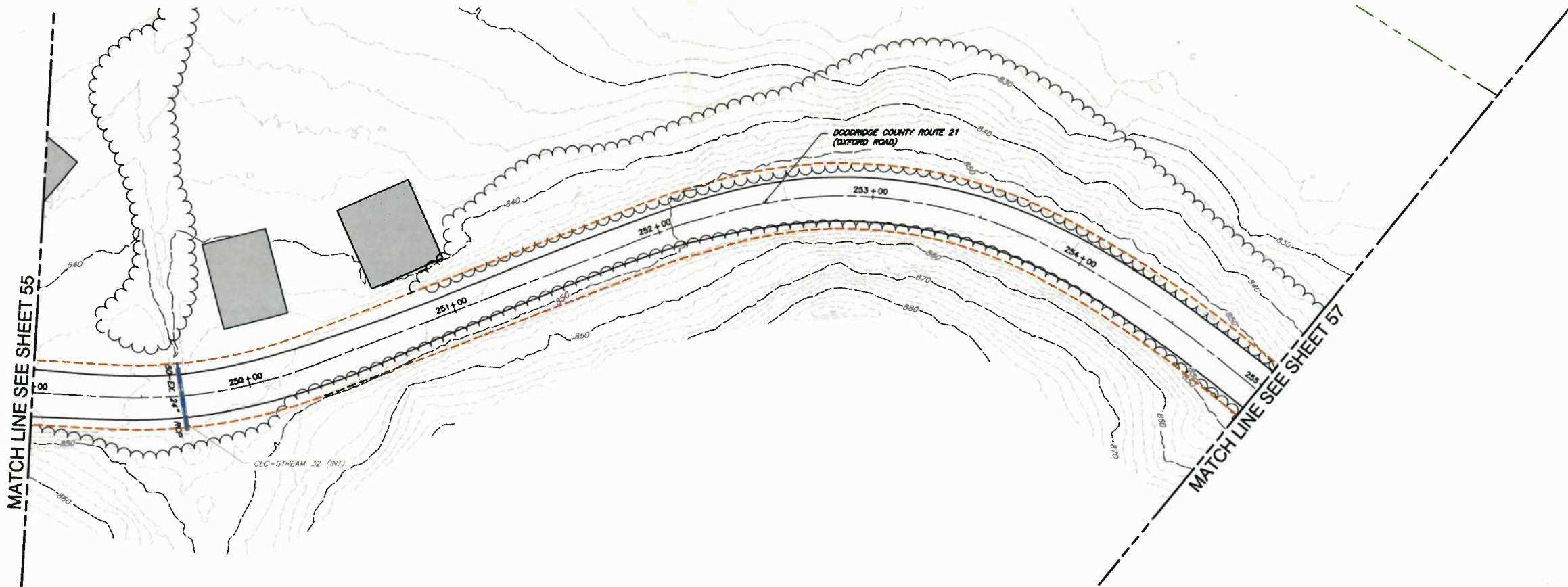
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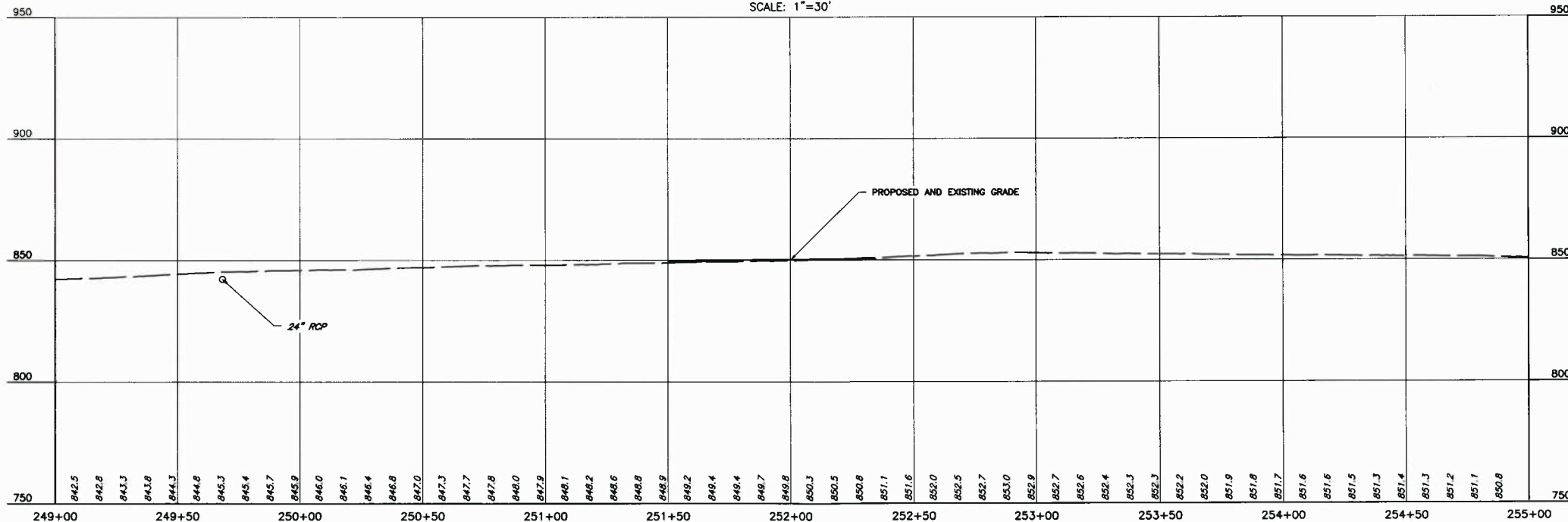
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



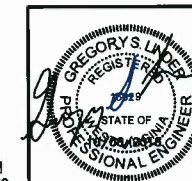
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
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DATE	OCTOBER 2018	DRAWN BY	MAS
DWG SCALE	1"=30'	CHECKED BY	PWC
PROJECT NO.	183-735TR01	APPROVED BY:	GSL

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.:

56

SHEET 56 OF 65

**EQT PRODUCTION COMPANY
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DODDRIDGE COUNTY, WV**

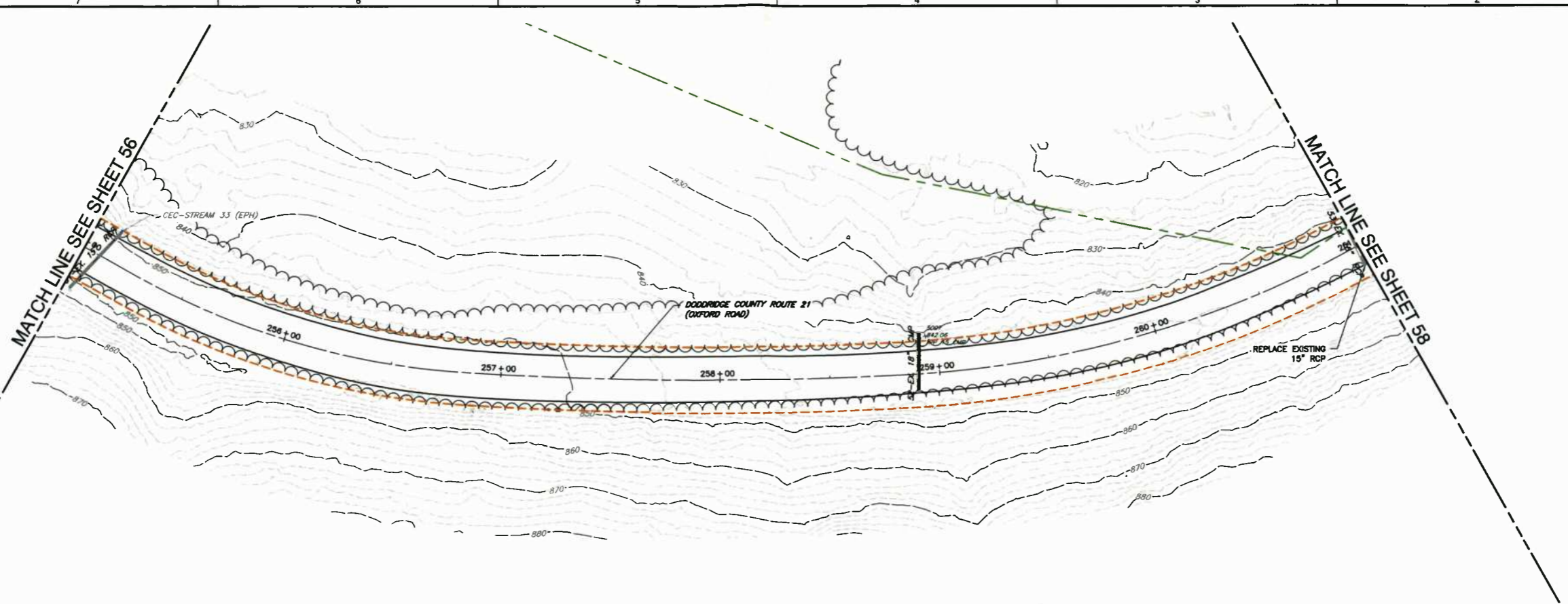


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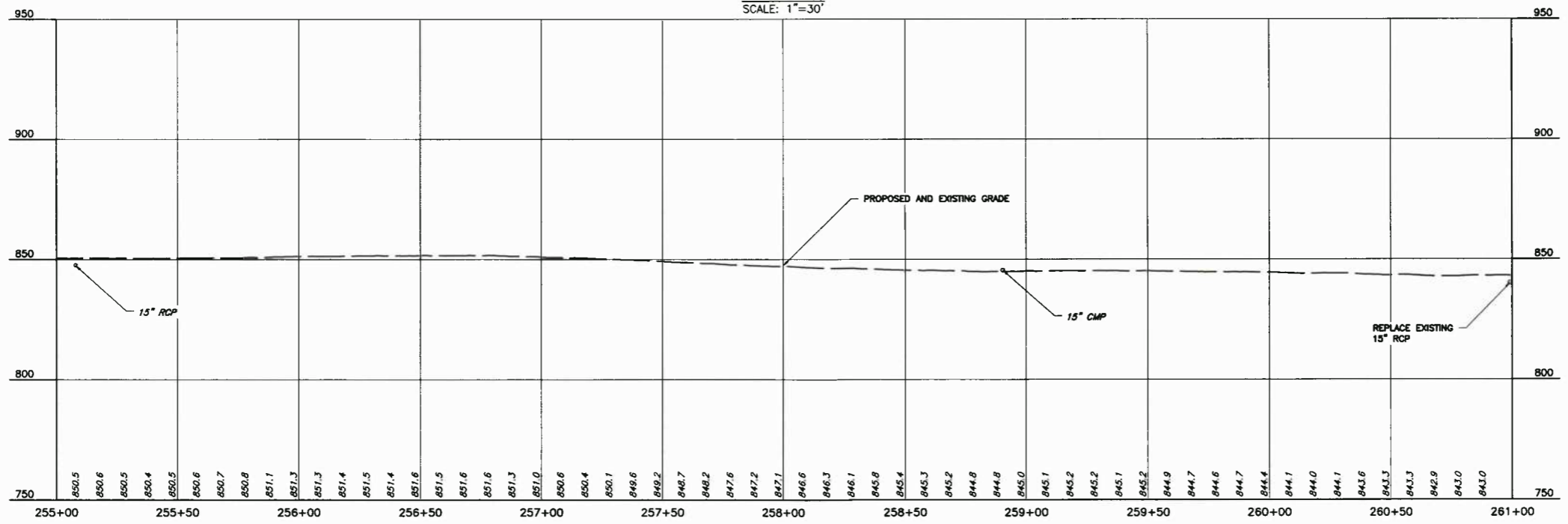
SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
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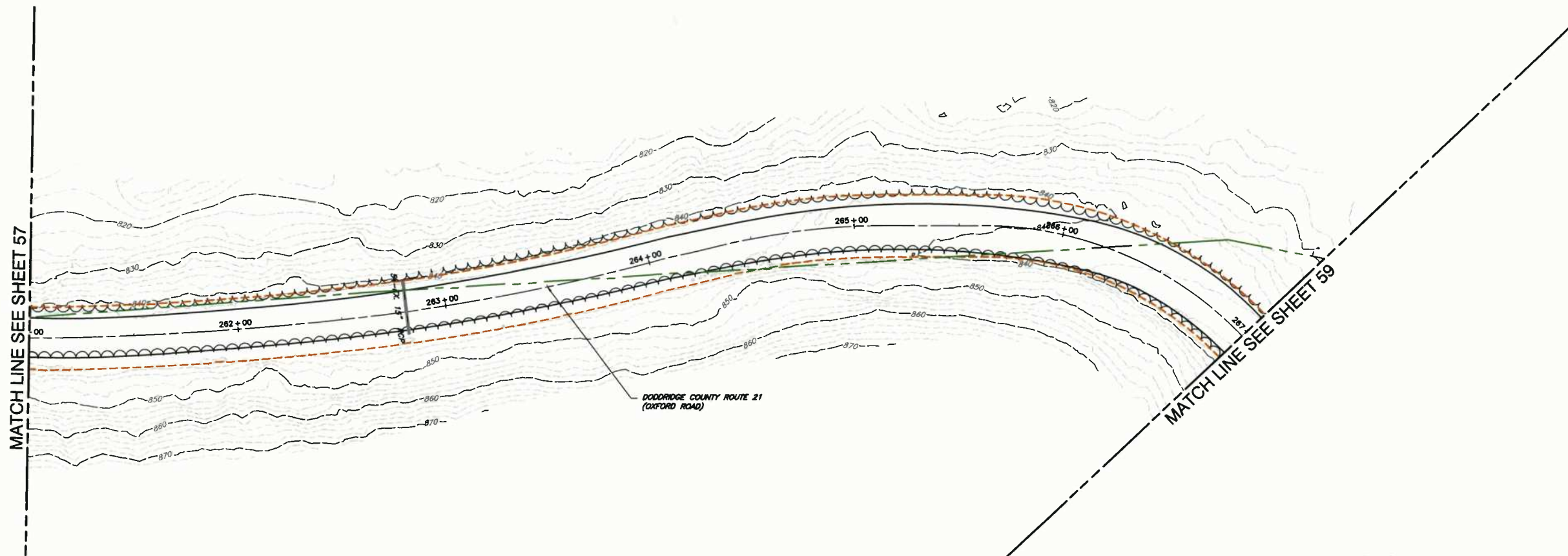
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OXFORD ROAD
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DODDRIDGE COUNTY, WV**

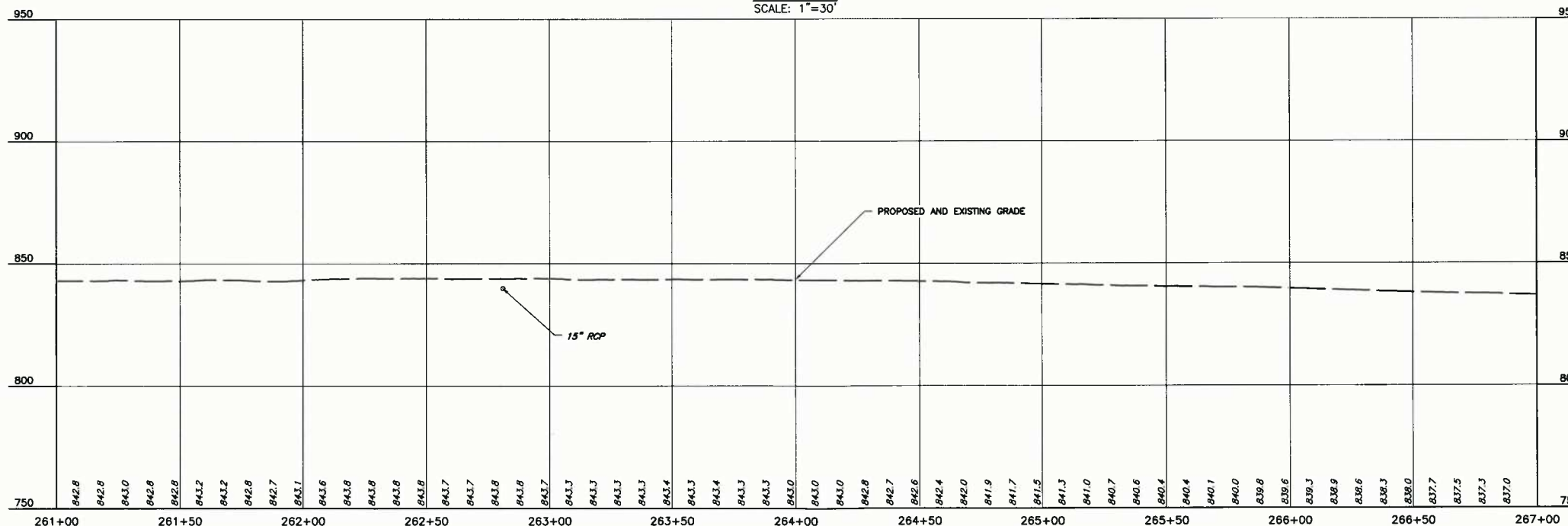
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **57**
SHEET 57 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO: 183-735TR01
APPROVED BY: G.S.U.



PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

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SUBMITTAL & REVISION RECORD	
NO.	DATE

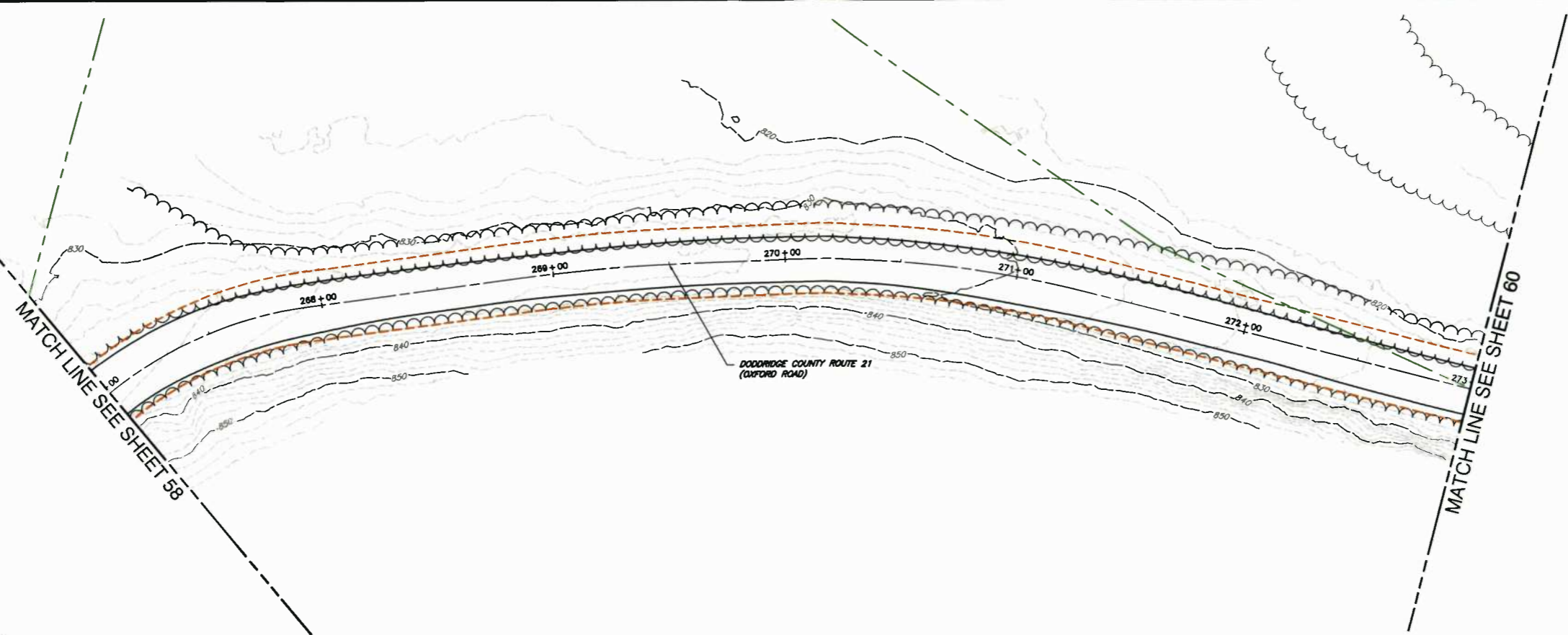
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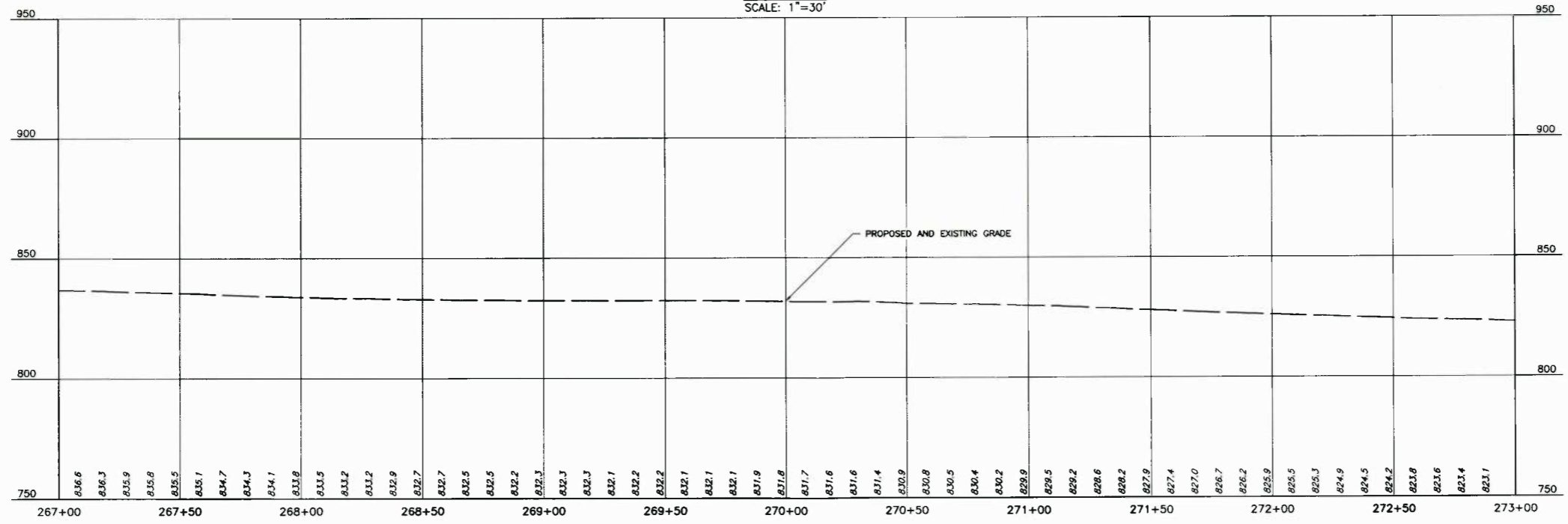
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DATE: OCTOBER 2018
DRAWN BY: MAS
DWG SCALE: 1"=30'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSI





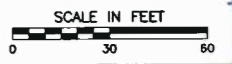
PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND			
	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
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	EXISTING UTILITY POLE		
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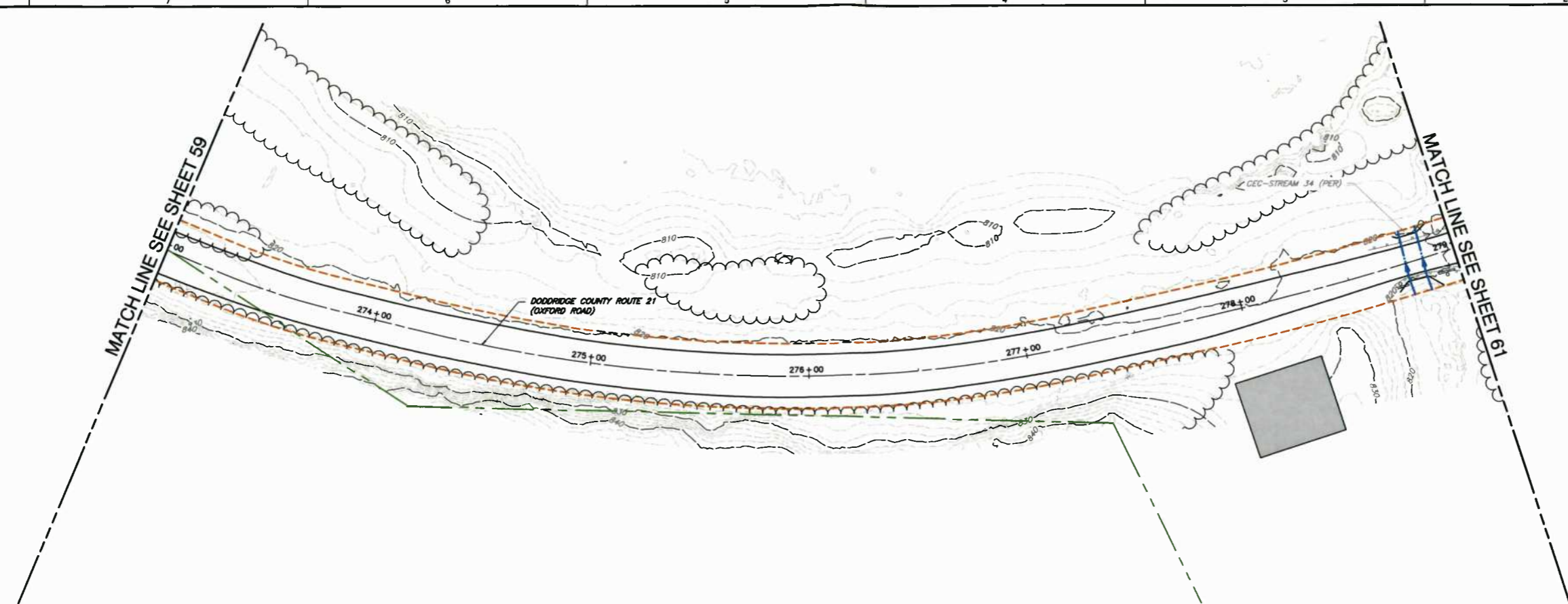
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OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

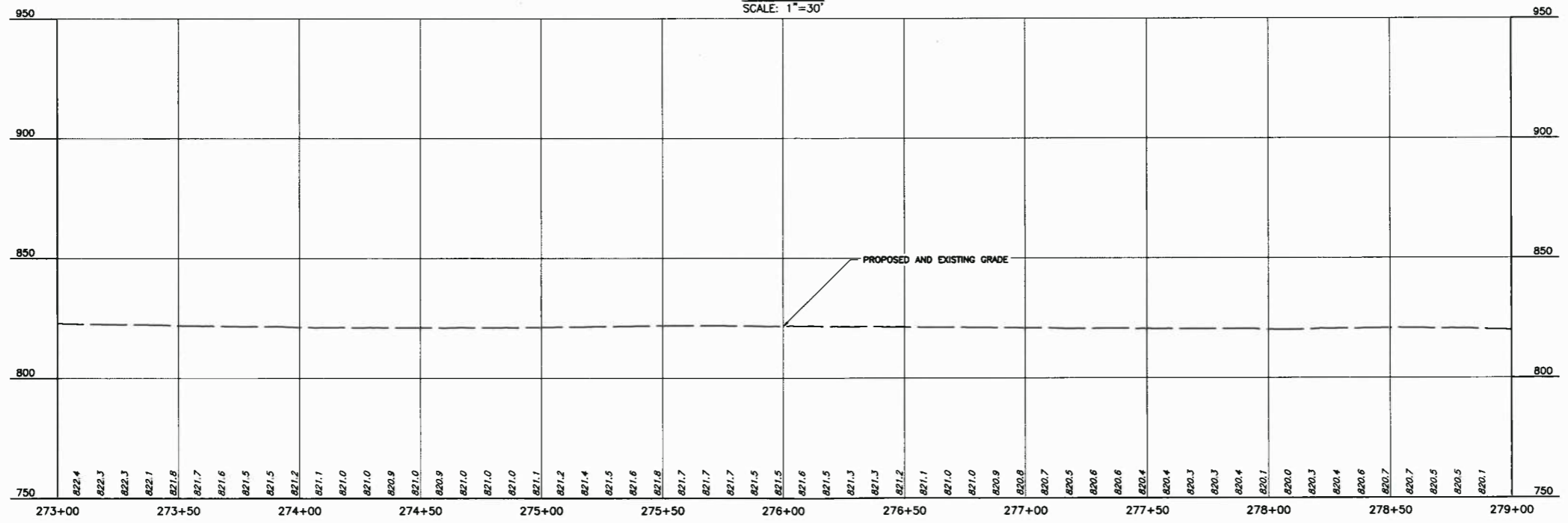
DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 CHECKED BY: PWC
 PROJECT NO.: 182-735TR01
 APPROVED BY: GBL

DRAWING NO.: **59**
 SHEET 59 OF 65

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PLAN VIEW
SCALE: 1"=30'



PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
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	EXISTING OVERHEAD UTILITY		
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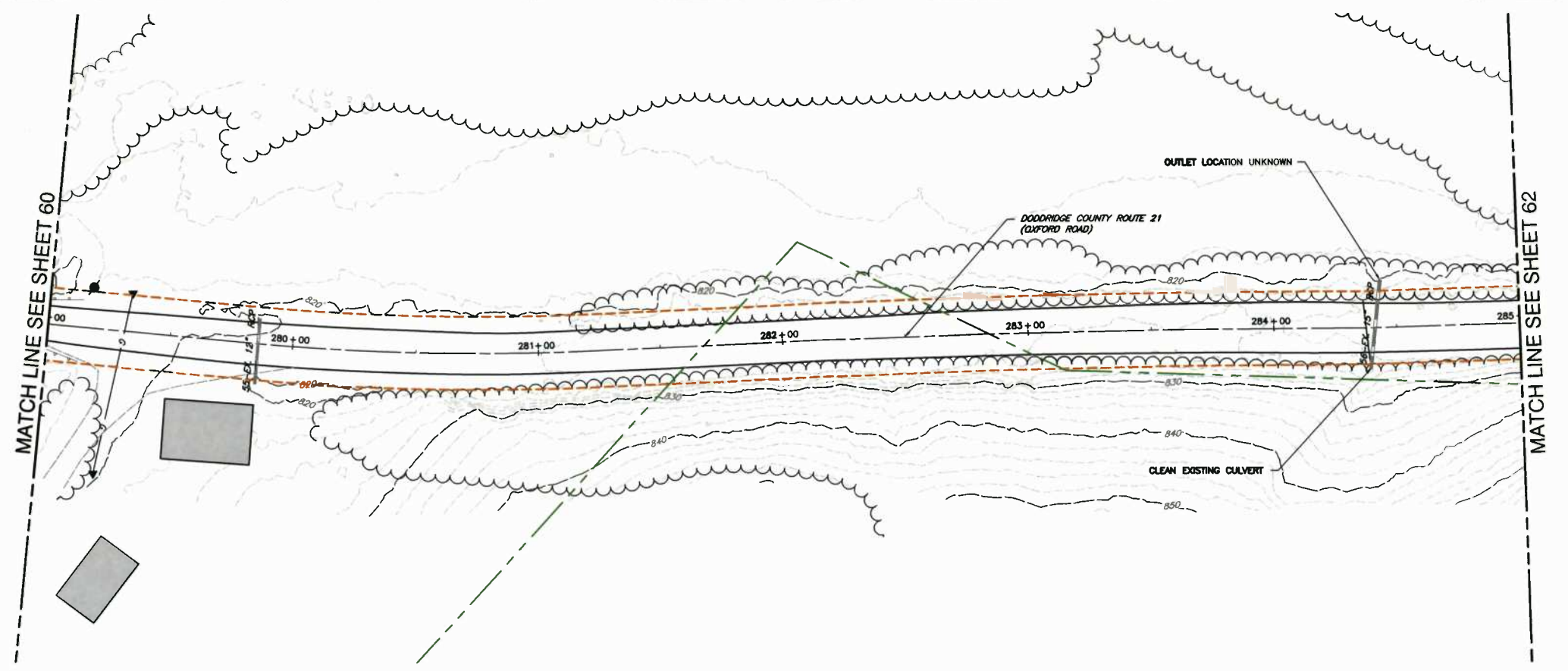
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OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

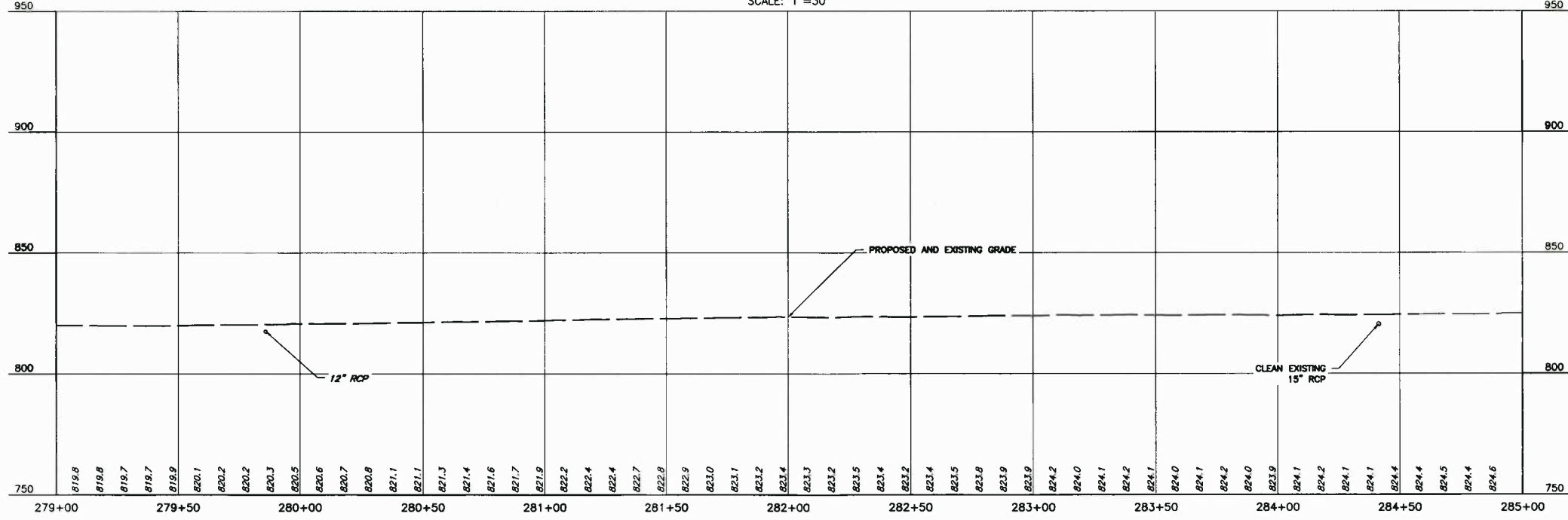
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DRAWN BY: MAS
1"=30'
CHECKED BY: PWC
PROJECT NO.: 183-735TR01
APPROVED BY: GSL

DRAWING NO.: **60**
SHEET 60 OF 65

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PLAN VIEW
SCALE: 1"=30'



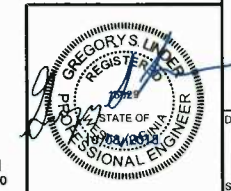
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
	EXISTING GUARDRAIL		
	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

REFERENCE

- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
- THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



SUBMITTAL & REVISION RECORD

NO.	DATE	DESCRIPTION

C&E
Civil & Environmental Consultants, Inc.
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
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OXFORD ROAD
COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV**

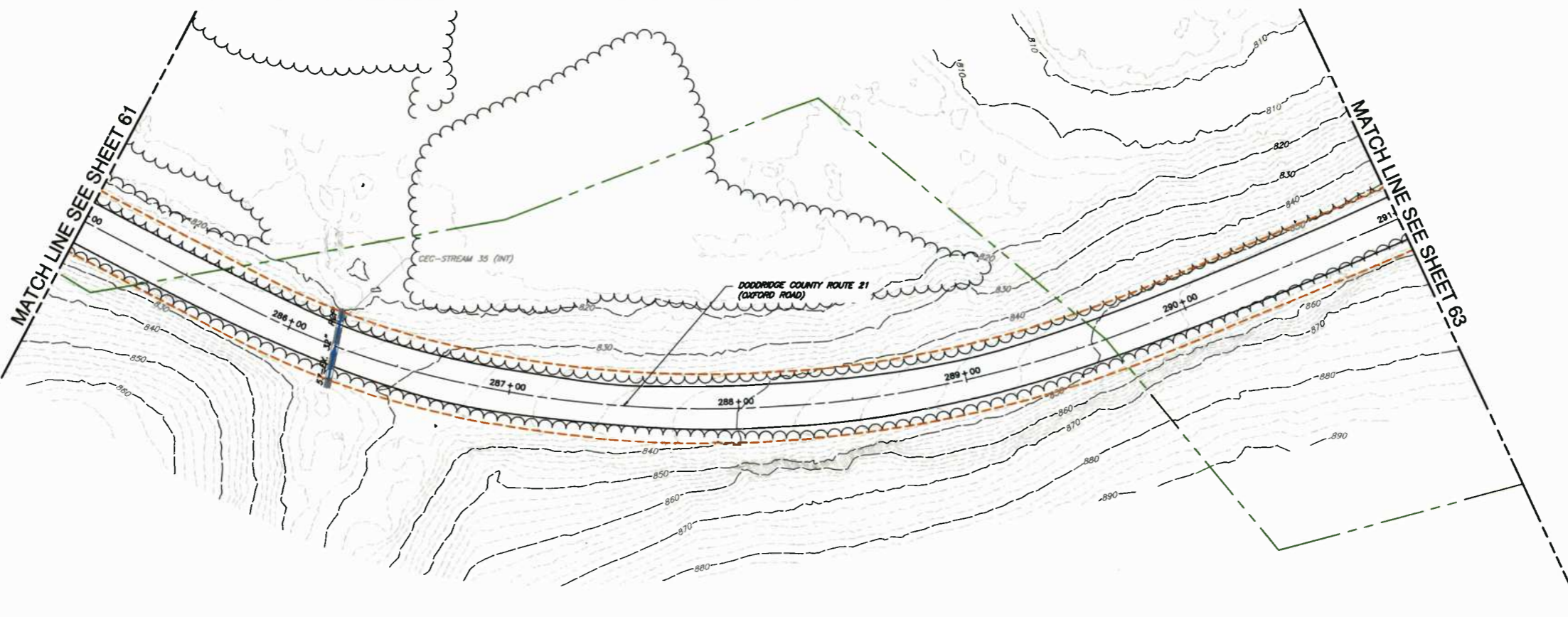
**PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET**

DRAWING NO.: **61**

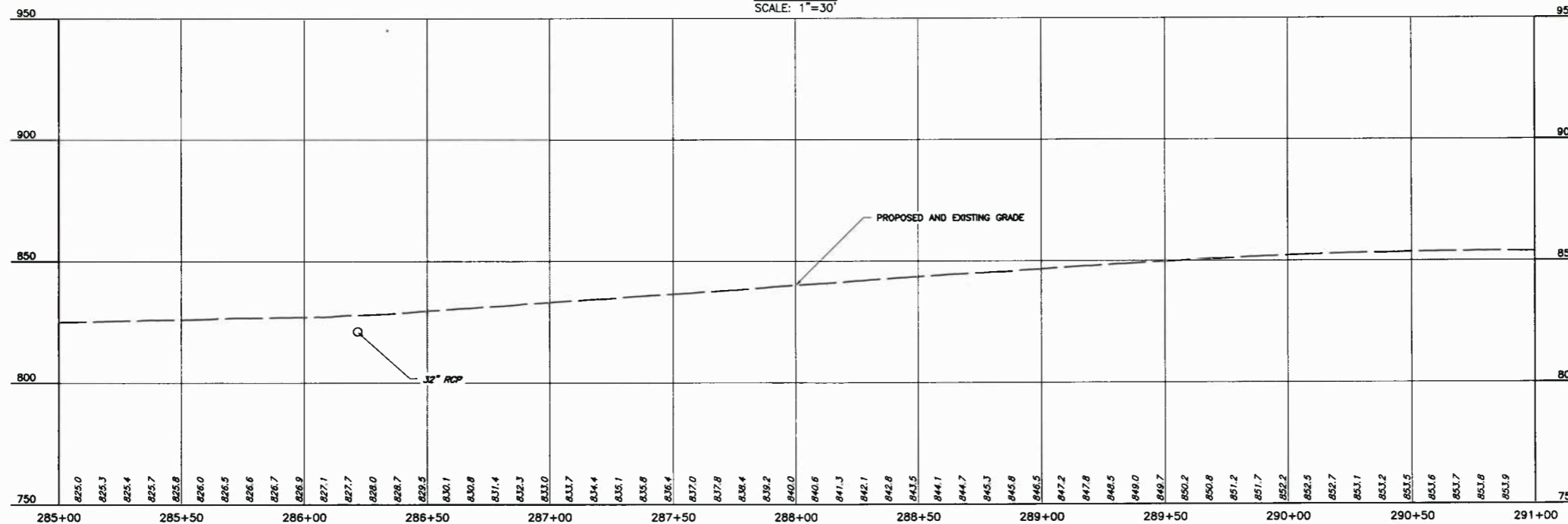
SHEET 61 OF 65

DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO: 168-7951 PR01
APPROVED BY: GSL

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PLAN VIEW
SCALE: 1"=30'



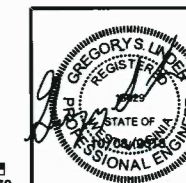
PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING CONTOUR (INTER)
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING ROADS (PAVED)
- EXISTING ROADS (UNPAVED)
- EXISTING TREE
- EXISTING GUARDRAIL
- EXISTING UTILITY POLE
- EXISTING STREET SIGN
- EXISTING OVERHEAD UTILITY
- EXISTING GASLINE
- FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A
- AREA OF INTEREST
- DELINEATED STREAM
- DELINEATED WETLAND

REFERENCE

1. TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
2. THE STREAM AND WETLAND DELINEATIONS SHOWN ON THESE PLANS WERE PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. IN AUGUST 2018.



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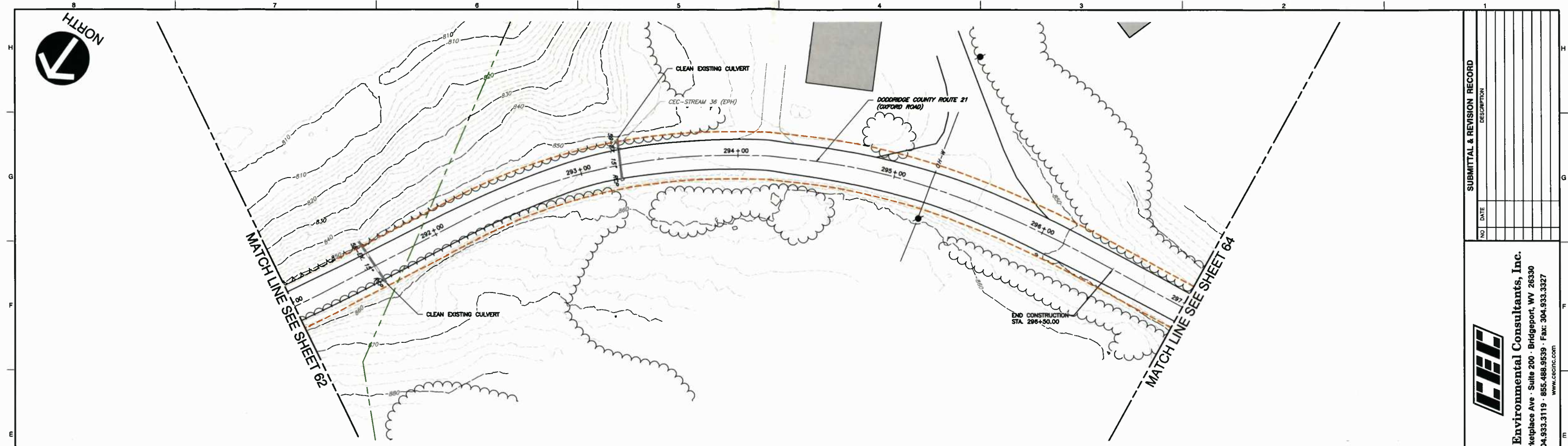
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OXFORD ROAD
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PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

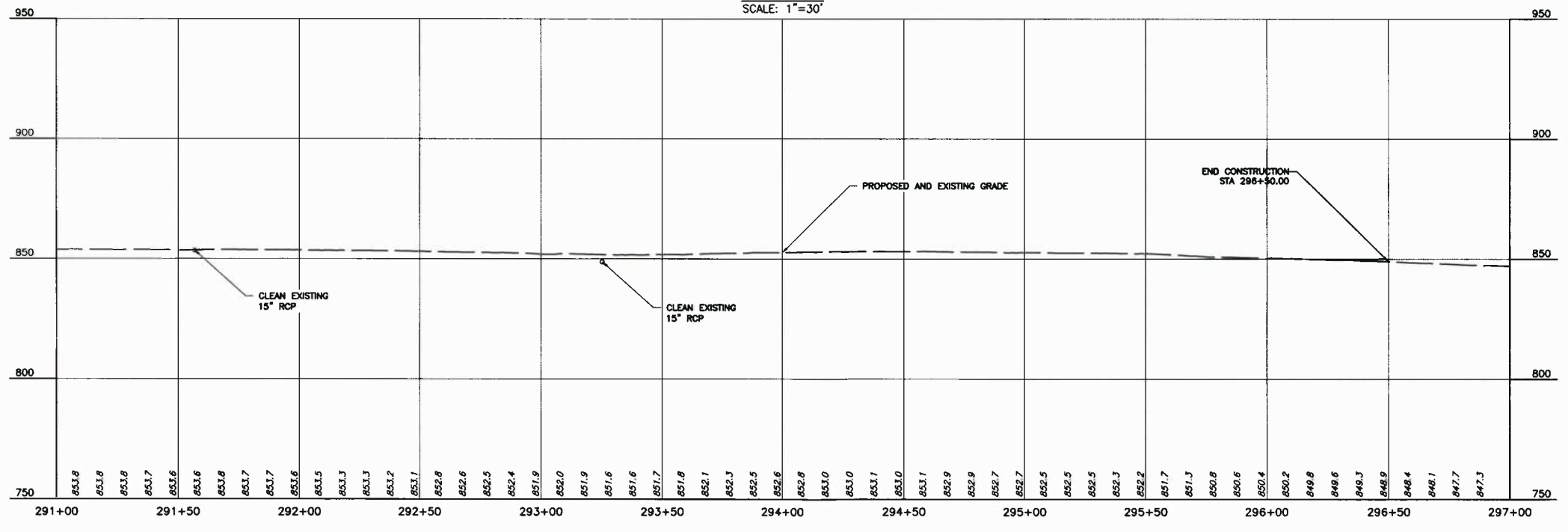
DATE: OCTOBER 2018
DRAWN BY: MAS
CHECKED BY: PWC
PROJECT NO: 1832-735TR01
APPROVED BY: GSL

DRAWING NO: **62**
SHEET 62 OF 65

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PLAN VIEW
SCALE: 1"=30'

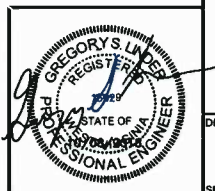
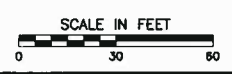


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

	EXISTING INDEX CONTOUR		AREA OF INTEREST
	EXISTING CONTOUR (INTER)		DELINEATED STREAM
	EXISTING TREE LINE		DELINEATED WETLAND
	EXISTING FENCE		
	EXISTING ROADS (PAVED)		
	EXISTING ROADS (UNPAVED)		
	EXISTING TREE		
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	EXISTING UTILITY POLE		
	EXISTING STREET SIGN		
	EXISTING OVERHEAD UTILITY		
	EXISTING GASLINE		
	FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A		

- REFERENCE**
- TOPOGRAPHIC INFORMATION BASED ON LIDAR SCANNING AND CONVENTIONAL SURVEY METHODS PERFORMED BY CML & ENVIRONMENTAL CONSULTANTS, INC. COMPLETED ON AUGUST 3, 2018.
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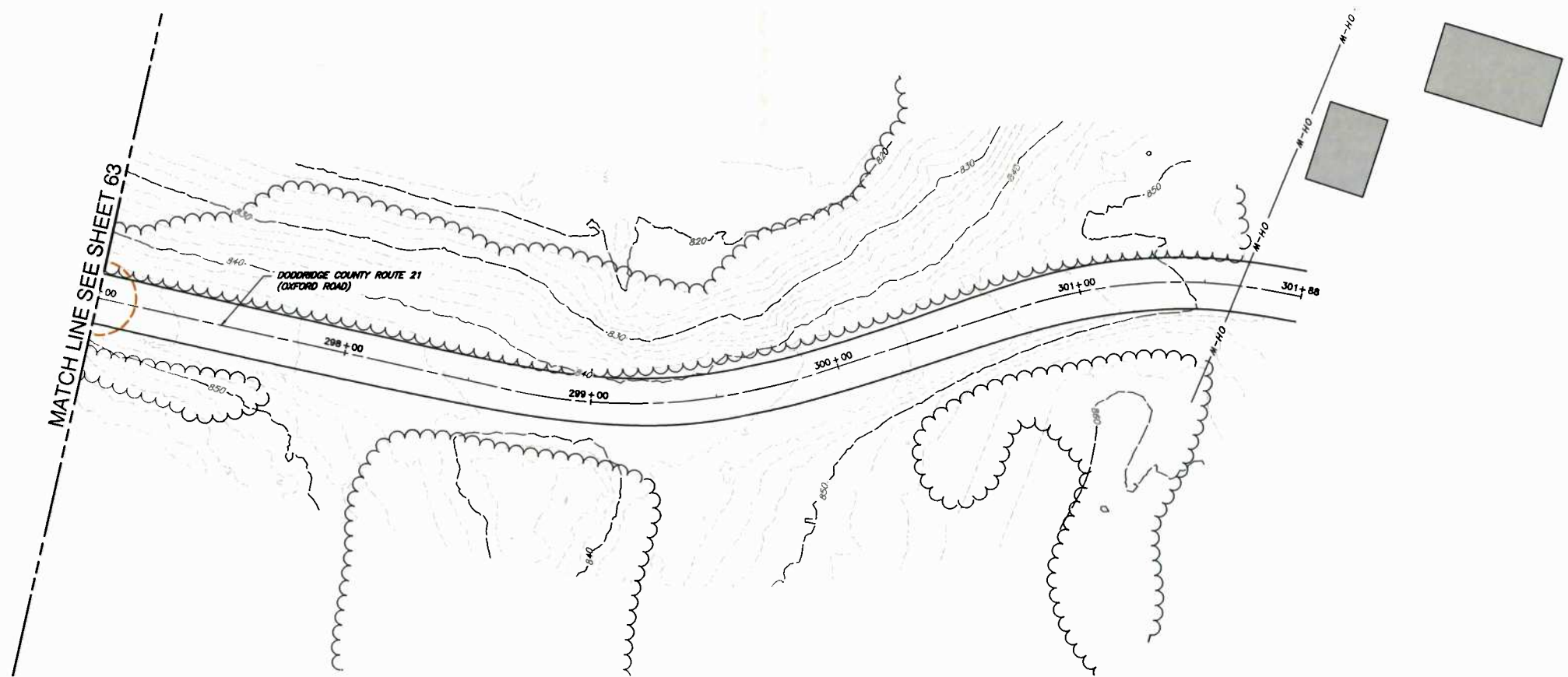
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COUNTY ROUTE REHABILITATION
DODDRIDGE COUNTY, WV

PROPOSED DRIVEWAY
PLAN AND PROFILE SHEET

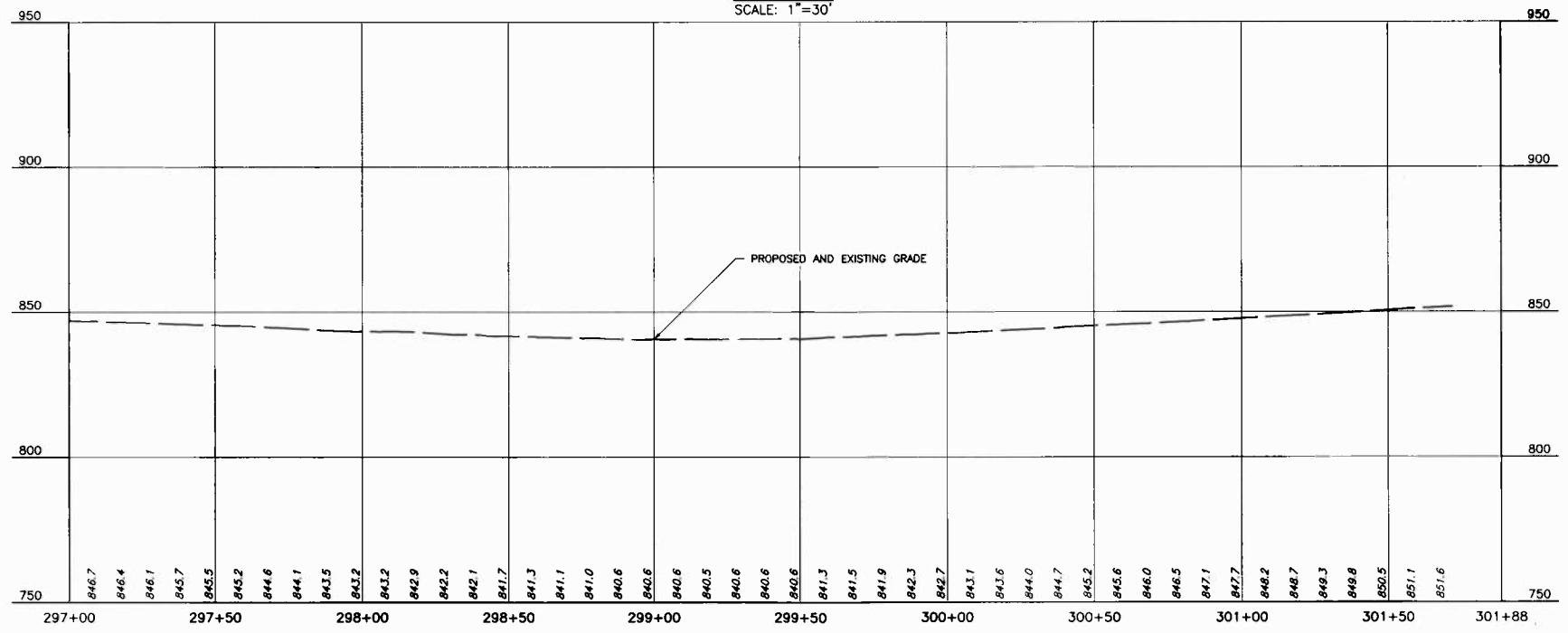
DRAWING NO.: **63**
 SHEET 63 OF 65

DATE: OCTOBER 2018
 DRAWN BY: MAS
 DWG SCALE: 1"=30'
 CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: GSL

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PLAN VIEW
SCALE: 1"=30'

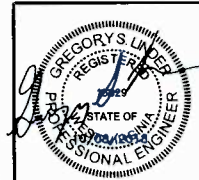
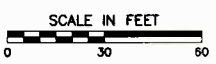


PROFILE VIEW
SCALE: H:1"=30'; V:1"=30'

LEGEND

EXISTING INDEX CONTOUR	AREA OF INTEREST
EXISTING CONTOUR (INTER)	DELINEATED STREAM
EXISTING TREE LINE	DELINEATED WETLAND
EXISTING FENCE	
EXISTING ROADS (PAVED)	
EXISTING ROADS (UNPAVED)	
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FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA, ZONE A	

- REFERENCE**
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**PROPOSED DRIVEWAY
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 CHECKED BY: PWC
 PROJECT NO.: 183-735TR01
 APPROVED BY: [Signature]

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COUNTY ROUTE 21 CULVERT SCHEDULE

PIPE NUMBER	STATION	EXISTING PIPE SIZE / MATERIAL	LENGTH (FT)	REPLACEMENT PIPE SIZE / MATERIAL	LENGTH (FT)	NOTES
1	17+36	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
3	34+20	24" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
8	79+88	18" CMP	28.50	18" HDPE	28.5	
12	94+45	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
14	101+15	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
16	119+19	18" CMP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
21	126+58	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
22	130+64	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
23	136+70	24" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
24	143+98	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
25	149+07	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
26	154+77	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
27	158+17	15" CMP	41.0	18" HDPE	41.0	
28	162+50	12" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
31	169+06	24" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
32	171+79	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
33	175+80	24" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
34	178+93	24" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
36	199+62	20" RCP	33.0	24" HDPE	33.0	
40	220+77	48" RCP	45.5	48" HDPE	45.5	
41	224+95	15" CMP	29.0	18" HDPE	29.0	
42	227+30	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
44	229+63	18" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
47	237+18	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
49	248+29	18" CPP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
53	260+99	15" RCP	25.0	18" HDPE	25.0	
56	284+41	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
58	291+57	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED
59	293+25	15" RCP	N/A	N/A	N/A	CULVERT NEEDS FLUSHED

NOTE: FIELD INSPECTIONS WERE PERFORMED ON ALL CULVERTS. ONLY CULVERTS REQUIRING MAINTENANCE ARE SHOWN IN THIS TABLE. FOR THE LOCATIONS OF OTHER CULVERTS, REFER TO PLAN SHEETS.

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DRAINAGE TABULATION
 DATE: OCTOBER 2018 DRAWN BY: MAS
 DWG SCALE: AS SHOWN CHECKED BY: PWC
 PROJECT NO: 183-735TR01
 APPROVED BY: GSI

DRAWING NO.: **65**
 SHEET 65 OF 65