



Floodplain Development Permit

Doddridge County, WV Floodplain Management

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

Permit: #17-484

Date Approved: October 9, 2017

Expires: October 9, 2018

Issued to: F2S Infrastructure, Inc.

POC: Aaron Fayish

Company Address: P.O. Box 807 Morgantown, WV 26507

Project Address: Douglas Camp Rd.

Firm: 54017C0140C

Lat/Long: 39.261103N, -80.719880W

Purpose of Development: Roadway Improvements

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

Date: October 9, 2017

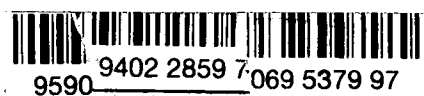
For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.2631, or via email at
doddridgecountyfpm@gmail.com
118 East Court Street; West Union, WV 26456

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:

ner & Delores M. Weekley (SURV.)
66 Douglas Run Road
West Union, WV 26456



2. Article Number (Transfer from service label)

11, July 2015 PS 7530-02-000-9063

RECIPIENT: COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Delores Weekley Agent Addressee

B. Received by (Printed Name) **Deloris Weekley** C. Date of Delivery **9-16-17**

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"/> Signature Confirmation Restricted Delivery (over \$500)
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	

PS Form 3800, April 2015 PSN 7530-02-000-9063 Domestic Return Receipt

2599 5227 0660 0000 2275 6652

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 \$ **3.35**

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 2.75
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$ **.49**

Total Postage and Fees \$ **6.59**



Sent To **David E. Bowyer**
 Street and Apt. No., or PO Box No. **12088 Middle Island Road**
 City, State, ZIP+4® **West Union, WV 26456** **17-484**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

2599 5227 0660 0000 2275 6690

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 \$ **3.35**

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 2.75
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$ **.49**

Total Postage and Fees \$ **6.59**



Sent To **George & Susan Gagnon**
 Street and Apt. No., or PO Box No. **1210 Panty's Ridge Rd.**
 City, State, ZIP+4® **West Union, WV 26456** **17-484**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

2599 5227 0660 0000 2275 6706

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 \$ **3.35**

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

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 2.75
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$ **.49**

Total Postage and Fees \$ **6.59**



Sent To **Rona & Delores Weekley (SURV.)**
 Street and Apt. No., or PO Box No. **66 Douglas Run Rd.**
 City, State, ZIP+4® **West Union, WV 26456** **17-484**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

USPS TRACKING #



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

9590 9402 2859 7069 5379 59

**United States
Postal Service**

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

**Doddridge County OEM/CFM
George Eidel
105 Court Street, Suite 3
West Union, WV 26456**

17-484



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:

George & Susan Gagnon
1210 Ramsey's Ridge Road
West Union, WV 26456



9590 9402 2859 7069 5379 59

2. Article Number (Transfer from service label)**COMPLETE THIS SECTION ON DELIVERY****A. Signature**

Susan Gagnon

- Agent
 Addressee

B. Received by (Printed Name)**C. Date of Delivery**

9-26-17

- 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) | |

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:

David E. Bowyer
12088 Middle Island Road
Alma, WV 26320



9590 9402 2859 7069 5379 42

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Jessica C Johnson* Agent Addressee

B. Received by (Printed Name)

Jessica C Johnson

C. Date of Delivery

*9/18/17*D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)

- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

USPS TRACKING #



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

9590 9402 2859 7069 5379 42

**United States
Postal Service**

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

**Doddridge County OEM/CFM
George Eidel
105 Court Street, Suite 3
West Union, WV 26456**

17-484



COPY


COPY

STAHl SHEAFFER ENGINEERING, LLC
 201 SCIENCE PARK RD STE 333
 STATE COLLEGE, PA 16803

3403
60-8764/2313


7 Sept. 2017
Date

Pay to the Order of Doddridge County Commission \$ 500.00^{1/100}
Five Hundred and 00/100 Dollars

 **SPE** **COPY**
 Federal Credit Union
 www.spefcu.org
 State College, PA 16801-2222

For 16-330 WVK/1 2017 CR 1815 Ann C. [Signature]

⑆ 231387644⑆ 108001037103421⑆ 3403

 Photo Safe Deposit Details on back

COPY

COPY

FP # 17-484

Doddridge County, West Virginia

RECEIPT NO: 9660

DATE: 2017/09/13

FROM: STAHL SHEAFFER ENGINEERING

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: #17-484 FLOOD PLAIN PERMIT

00000003403 FP-BUILDING PERMITS

020-318

TOTAL: \$500.00

MICHAEL HEADLEY
SHERIFF & TREASURER

MEC
CLERK

Customer Copy

FLOODPLAIN PERMIT #17-484

Douglas Camp Rd Improvement-F2S Infrastructure Inc.

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>	<i>9/12/17</i>	
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND & STREAM (OLS)</i>		
<i>DATE OF COMMISSION READING</i>	<i>9/19/17</i>	
<i>DATE AVAILABLE TO BE GRANTED</i>	<i>10/9/17</i>	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		

7017 0660 0000 2275 6706

7017 0660 0000 2275 6690

7017 0660 0000 2275 6652



Doddridge County Floodplain Permits

(Week of September 18, 2017)

Please take notice that on the 12th day of **September, 2017**, **F2S Infrastructure Inc.** filed an application for a Floodplain Permit (**#17-484**) to develop land located at or about **Douglas Camp Run @ Route 18S** **Coordinates 39.261103 N, -80.719880 W**. The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by **October 9, 2017** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Clerk of the County Court at 108 Court Street Ste. 1, West Union, WV 26456. **This project is road improvement project (Replacement of a culvert pipe to a larger diameter, clearing of ditches and widening of the road.**



Permit#	<u>17-484</u>
Project Name:	<u>Douglas Camp Road Improvement</u>
Permittees Name:	<u>F2S Infrastructure INC</u>

SEP12 17 1:48PM

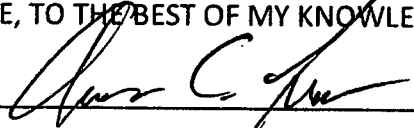
Doddridge County, WV

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. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. I THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

APPLICANT'S SIGNATURE 

DATE 9/6/17

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: F2S Infrastructure, Inc.		
Corporate Mailing Address: P.O. Box 807		
City: Morgantown	State: WV	Zip: 26507
Corporate Point of Contact (POC): Aaron Fayish		
Corporate POC Title: Professional Engineer (P.E)		
Corporate POC Primary Phone: (304) 949-8920		
Corporate POC Primary Email: afayish@F2Si.us		
Corporate FEIN: 81-2622346	Corporate DUNS:	
Corporate Website: http://f2si.us/		
Local Mailing Address: P.O. Box 807		
City: Morgantown	State: WV	Zip: 26507
Local Project Manager (PM): Tony Napolillo		
Local PM Primary Phone: 304-949-8920		
Local PM Secondary Phone: 304-919-0852		
Local PM Primary Email: tnapolillo@f2si.us		
Person Filing Application: Aaron Fayish		
Applicant Title: Professional Engineer		
Applicant Primary Phone: 304-949-8920		
Applicant Secondary Phone: NA		
Applicant Primary Email: afayish@F2Si.us		

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

Existing County Route Improvements including intersection widening, pulloff widening and aggregate overlay

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 2

Site/Property Information:		
Legal Description: 1.49 ac Douglas Camp of Meathouse (B)		
Physical Address/911 Address:		
Decimal Latitude/Longitude: 39.260886°, -80.719750 °		
DMS Latitude/Longitude: 39°15'39.19"N, 80°43'11.098"W		
District: 6	Map: 3	Parcel: 4.6
Land Book Description:		
Deed Book Reference: DB/PG 322/107		
Tax Map Reference:		
Existing Buildings/Use of Property: Residential		

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? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

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: 1 of 2

Property Owner Data:		
Name of Primary Owner (PO): Homer & Delores M. Weekley (SURV)		
PO Address: 66 Douglas Run Rd.		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Homer & Delores M. Weekley (SURV)		
PO Address: 66 Douglas Run Rd.		
City: West Union	State: WV	Zip: 26456
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

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: 2 of 2

Site/Property Information:		
Legal Description: 37.67 ac Meathouse Fk		
Physical Address/911 Address:		
Decimal Latitude/Longitude: 39.261050°, -80.720079°		
DMS Latitude/Longitude: 39°15'39.781"N, 80°43'12.283"W		
District: 6	Map: 1	Parcel: 10.3
Land Book Description:		
Deed Book Reference: DB/PG 277/653		
Tax Map Reference:		
Existing Buildings/Use of Property: Farm		

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? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

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: 2 of 2

Property Owner Data:		
Name of Primary Owner (PO): Ronald G. Barnes		
PO Address: 181 Smith Ln.		
City: Howard	State: PA	Zip: 16841
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Ronald G. Barnes		
PO Address: 181 Smith Ln.		
City: Howard	State: PA	Zip: 16841
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 _____ **All Properties Involved**

Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: F2S Infrastructure, Inc.		
C/SC WV License Number: WV055545		
C/SC FEIN: 81 -2622346	C/SC DUNS:	
Local C/SC Point of Contact (POC): Tony Napolillo		
Local C/SC POC Title: Construction Manager		
C/SC Mailing Address: P.O. Box 807		
City: Morgantown	State: WV	Zip-Code: 26507
Local C/SC Office Phone: 304-949-8920		
Local C/SC POC Phone: 304-919-0852		
Local C/SC POC E-Mail: tnapolillo@f2si.uss		

Engineer Firm Information:		
Engineer Firm Name: Stahl Sheaffer Engineering		
Engineer WV License Number: 19848		
Engineer Firm FEIN: 11-3759367	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): Scott Popovich, P.E.		
Engineer Firm Primary POC Title: Project Manager		
Engineer Firm Mailing Address: 5000 Waterdam Plaza Drive, Suite 120		
City: McMurray	State: PA	Zip-Code: 15317
Engineer Firm Office Phone: 724-960-1111		
Engineer Firm Primary POC Phone: 724-255-3131		
Engineer Firm Primary POC E-Mail: spopovich@sse-llc.com		

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): Homer & Delores M. Weekley (SURV)		
Physical Address: 66 Douglas 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):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): David E Bowyer		
Physical Address: 12088 Middle Island Rd.		
City: Alma	State: WV	Zip: 26320
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): George and Susan Gagnon		
Physical Address: 1210 Ramsey's Ridge Rd.		
City: West Union	State: WV	Zip: 26456
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:

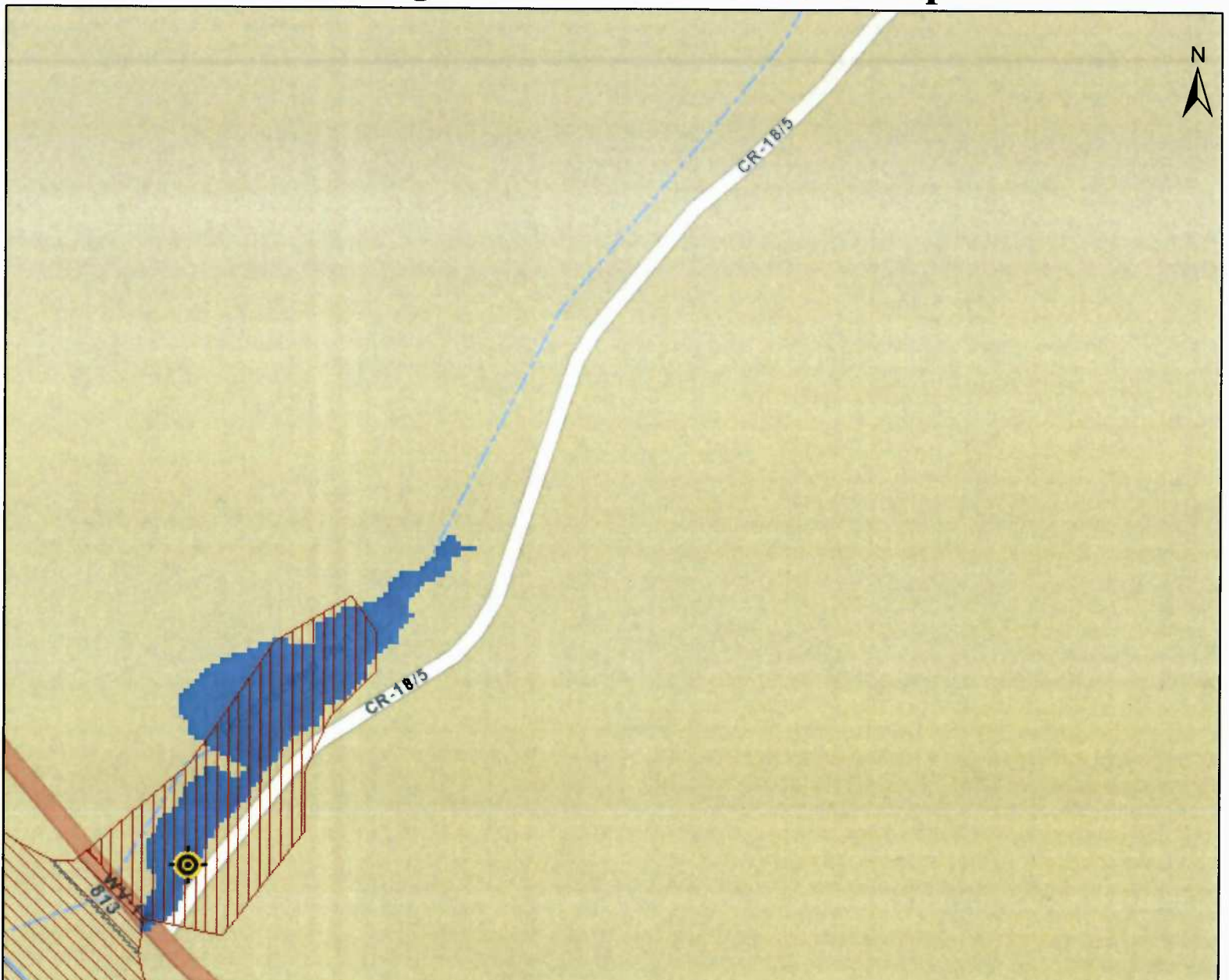
- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance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

Applicant Signature: _____

Date: _____

Applicant Printed Name: _____

Doddridge CR 18/5 WV Flood Map



— Cross Section (XS) Lines


Base Flood Elevation (BFE) Lines

~ Rule_1

 Floodway


Flood Hazard Zone


 Approximate Study (Zone A)

 Detailed Study (AE, AH, AO)

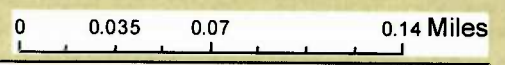
 High : 134.442



 Low : -7.71759

 Location of flood information

User Notes:

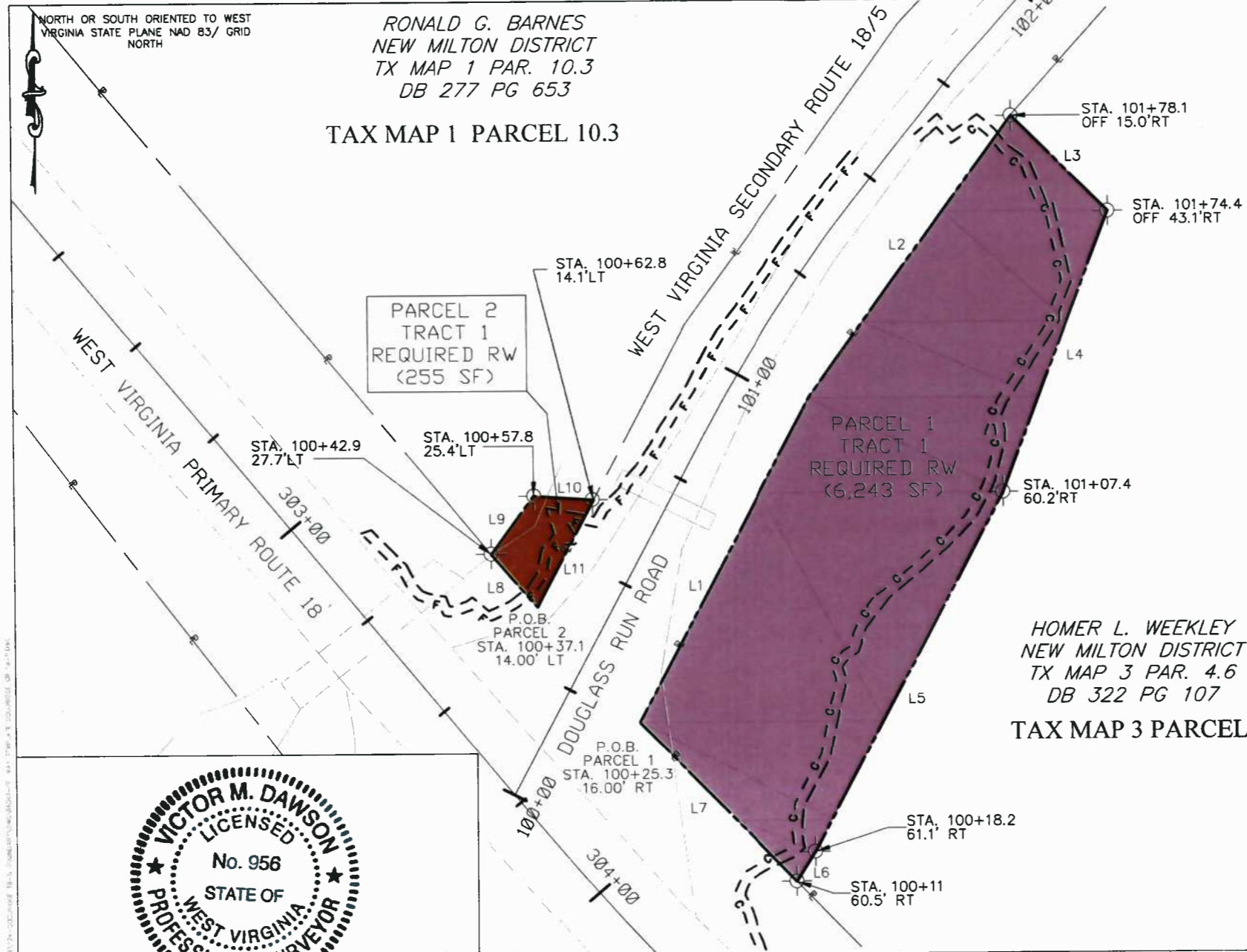


Map created on August 24, 2017

Flood Hazard Area:	
Flood Hazard Area: Location is WITHIN the FEMA 100-year floodplain.	
Flood Hazard Zone:	A (Advisory A)
Stream:	Douglascamp Run
FEMA Issued Flood Map:	54017C0140C
Watershed (HUC8):	Little Musringum-Middle Island (503
Advisory Flood Height:	About 813 ft
Water Depth:	About 2.6 ft (Source: HEC-RAS)
Elevation:	About 810 ft
Location (long, lat):	(80.719880 W, 39.261103 N)
Location (UTM 17N):	(524167, 4345789)
Contacts:	Doddridge
CRS Information:	N/A
Flood Profile:	N/A
HEC-RAS Model:	Douglascamp Run
Parcel Number:	09-06-0001-0010-0003

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. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov. WV Flood Tool (<http://www.MapWV.gov/flood>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.



Line #	Direction	Length
L1	N27°37'06"E	76.74'
L2	N35°37'06"E	73.00'
L3	S44°37'30"E	28.41'
L4	S20°37'49"W	62.99'
L5	S27°27'47"W	85.27'
L6	S32°29'04"W	7.42'
L7	N43°56'54"W	46.89'
L8	N39°29'18"W	14.83'
L9	N36°16'14"E	15.11'
L10	S85°56'19"E	12.43'
L11	S27°37'06"W	25.68'

LEGEND

- - - - - EXISTING RIGHT OF WAY
- — — — — PROPOSED RIGHT OF WAY
- — — — — PROPERTY LINE
- - - - - EXISTING EDGE OF ROAD
- - - - - CENTERLINE
- PT - POINT OF TANGENT
- PC - POINT OF CURVATURE
- ⊙ - 5/8"X30" REBAR WITH CAP/SET

RONALD G. BARNES
 NEW MILTON DISTRICT
 TX MAP 1 PAR. 10.3
 DB 277 PG 653

TAX MAP 1 PARCEL 10.3

PARCEL 2
 TRACT 1
 REQUIRED RW
 (255 SF)

PARCEL 1
 TRACT 1
 REQUIRED RW
 (6,243 SF)

HOMER L. WEEKLEY
 NEW MILTON DISTRICT
 TX MAP 3 PAR. 4.6
 DB 322 PG 107

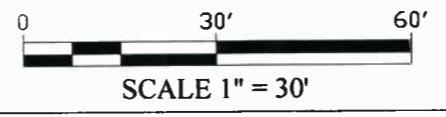
TAX MAP 3 PARCEL 4.6

PLAT OF SURVEY FOR
 F2S INFRASTRUCTURE
 SHOWING THE WIDENING OF
 WEST VIRGINIA SECONDARY RTE. 18/5



Victor M. Dawson
 VICTOR M. DAWSON P.S. #956 DATE: AUG. 11, 2017

LOCATED ON WEST VIRGINIA SECONDARY RTE. 18/5
 NEW MILTON DISTRICT, DODDRIDGE COUNTY,
 WEST VIRGINIA, DATE:08/11/2017



POTESTA
 POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 7012 MacCorkle Ave. SE, Charleston, WV 25304
 TEL: (304) 342-1400 FAX: (304) 343-9031
 E-Mail Address: potesta@potesta.com

STAHL SHEAFFER
ENGINEERING
 250 LAKEWOOD CTR. PHONE: 304-381-4281
 MORGANTOWN, WV 26508 FAX: 304-381-4299
 WWW.SSE-LLC.COM

DESCRIPTION OF SURVEY
F2S INFRASTRUCTURE
WIDENING OF WEST VIRGINIA SECONDARY RTE. 18/5
PARCEL 1 TRACT 1

A tract of land situate along the east side of West Virginia Secondary Route 18/5, New Milton District, Tax Map 3, Parcel 4.6, Doddridge County, West Virginia, more particularly described as follows:

Beginning at a point at the intersection of the northern right of way line of West Virginia Primary Route 18 and the eastern right of way line of West Virginia Secondary Route 18/5, said point being 16 feet right of project centerline station 100+25.3, thence running with said existing Secondary Route 18/5 right of way line

N27°37'06"E, 76.74 feet to a point, thence

N35°37'06"E, 73.00 feet to a 5/8 inch Iron Reinforcing Rod with a plastic cap stamped "Potesta 956", hereinafter referred to as a "rebar", to be set, on said existing southern right of way line of West Virginia Secondary Route 18/5, said rebar being 15 feet right of the project centerline station 101+78.1, thence leaving said existing right of way line and running through and across the property of Homer L. Weekley, recorded in Deed Book 322 at page 107, from which this conveyance is a part of

S44°37'30"E, 28.41 feet to a rebar to be set, 43.1 feet right of project centerline station 101+74.4, thence

S20°37'49"W, 62.99 feet to a rebar to be set, 60.2 feet right of project centerline station 101+07.4, thence

S27°27'47"W, 85.27 feet to a rebar to be set, 61.1 feet right of project centerline station 100+18.2, thence

S32°29'04"W, 7.42 feet to a rebar to be set on said existing northern right of way line of said West Virginia Primary Route 18, 60.5 feet right of project centerline station 100+11, thence running with said northern right of way line

N43°56'54"W, 46.89 feet to the point of beginning, containing 6,243 Square Feet (0.143 Acres) more or less as surveyed by Potesta and Associates, Inc., in August 2017, as shown on a plat attached hereto and made a part of this description.

Being a part of the same property conveyed to Homer L. Weekley and Deloris M. Weekley, by deed dated March 17, 2014, and recorded in the office of the County Clerk of Doddridge County, West Virginia, in Deed Book 322 at page 107.

DESCRIPTION OF SURVEY
F2S INFRASTRUCTURE
WIDENING OF WEST VIRGINIA SECONDARY RTE. 18/5
PARCEL 2 TRACT 1

A tract of land situate along the west side of West Virginia Secondary Route 18/5, New Milton District, Tax Map 1, Parcel 10.3, Doddridge County, West Virginia, more particularly described as follows:

Beginning at a point at the intersection of the northern right of way line of West Virginia Primary Route 18 and the western right of way line of West Virginia Secondary Route 18/5, said point being 14 feet right of project centerline station 100+37.1, thence running with said existing Primary Route 18 right of way line

N39°29'18"W, 14.83 feet to a 5/8 inch Iron Reinforcing Rod with a plastic cap stamped "Potesta 956", hereinafter referred to as a "rebar", to be set, on said existing northern right of way line of West Virginia Primary Route 18, said rebar being 27.7 feet left of the project centerline station 100+42.9, thence leaving said existing right of way line and running through and across the property of Ronald G. Barnes, recorded in Deed Book 277 at page 653, from which this conveyance is a part of

N36°16'14"E, 15.11 feet to a rebar to be set, 25.4 feet left of project centerline station 100+57.8, thence

S85°56'19"E, 12.43 feet to a rebar to be set on said existing western right of way line of said West Virginia Secondary Route 18/5, 14.1 feet left of project centerline station 100+62.8, thence running with said western right of way line

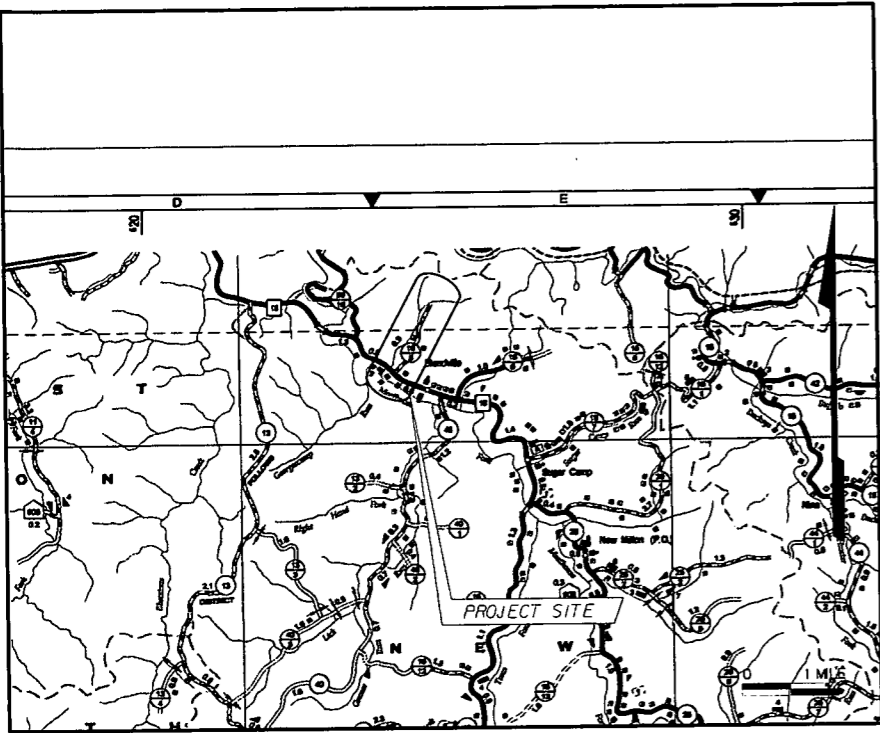
S27°37'06"W, 25.68 feet to the point of beginning, containing 255 Square Feet (0.006 Acres) more or less as surveyed by Potesta and Associates, Inc., in August 2017, as shown on a plat attached hereto and made a part of this description.

Being a part of the same property conveyed to Ronald G. Barnes, by deed dated October 13, 2008, and recorded in the office of the County Clerk of Doddridge County, West Virginia, in Deed Book 277 at page 653.

PLANS FOR CONSTRUCTION

CR 18/5 - DODDRIDGE COUNTY ROADWAY IMPROVEMENTS

Station	Station	f. t.	mile(s)
Roadway 100+00	to 139+70	3970	0.75
Total Project Length		3970	0.75

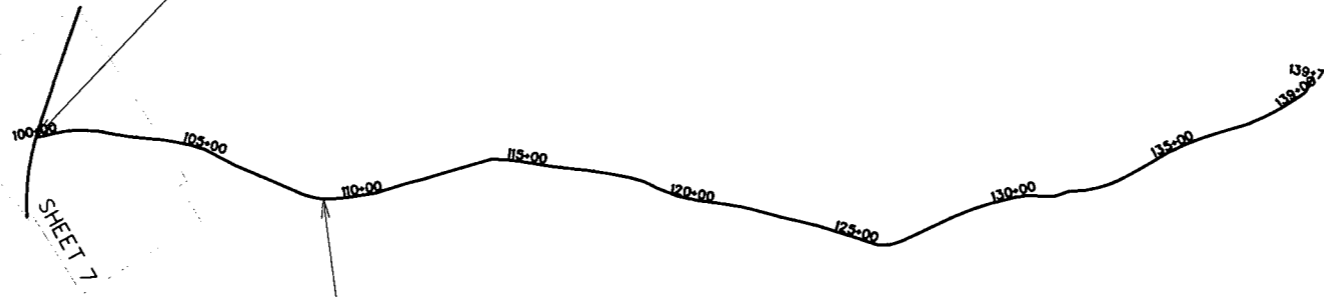


UTILITIES

ONE CALL TICKET #1703954319
 FRONTIER COMMUNICATIONS (FORMERLY VERIZON)
 ANTERO RESOURCES CORPORATION
 EQT PRODUCTION
 FIRSTENERGY CORP

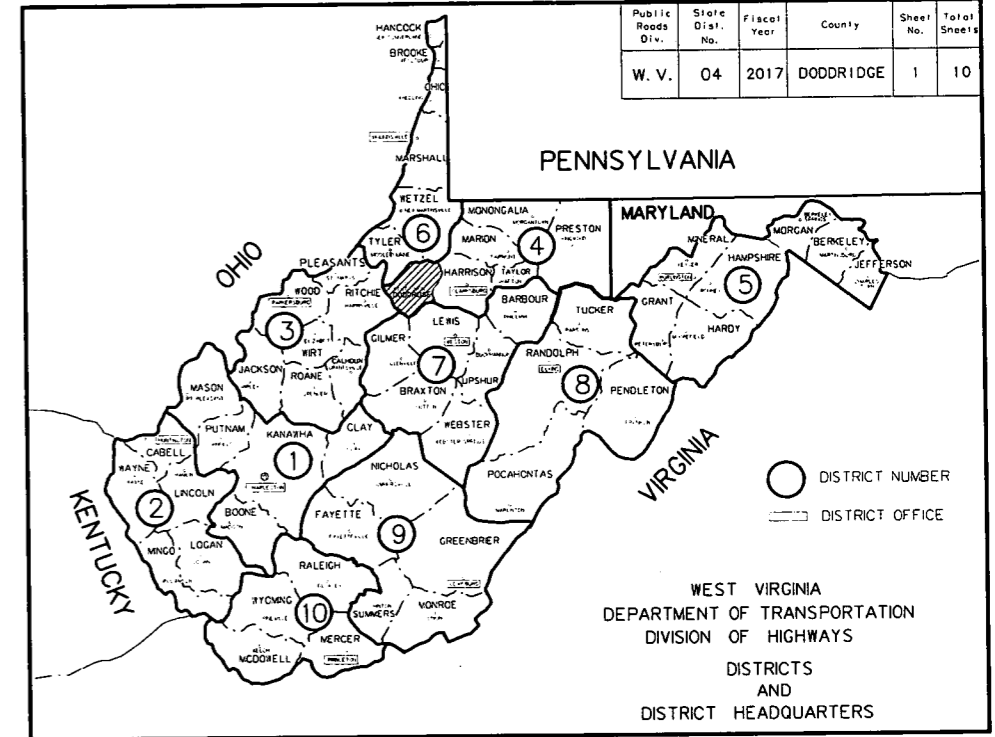
INTERSECTION WIDENING

PULLOFF WIDENING
 STA. 108+56

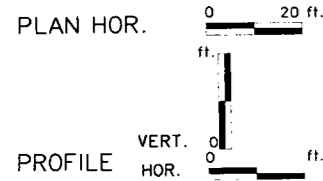


TYPE OF CONSTRUCTION:

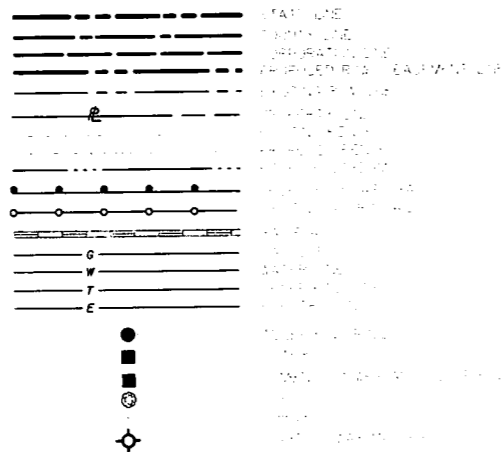
- INTERSECTION WIDENING
- PULLOFF WIDENING
- AGGREGATE OVERLAY



SCALES



CONVENTIONAL SIGNS

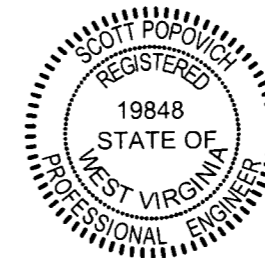


LAYOUT SCALE



INDEX TO SHEETS

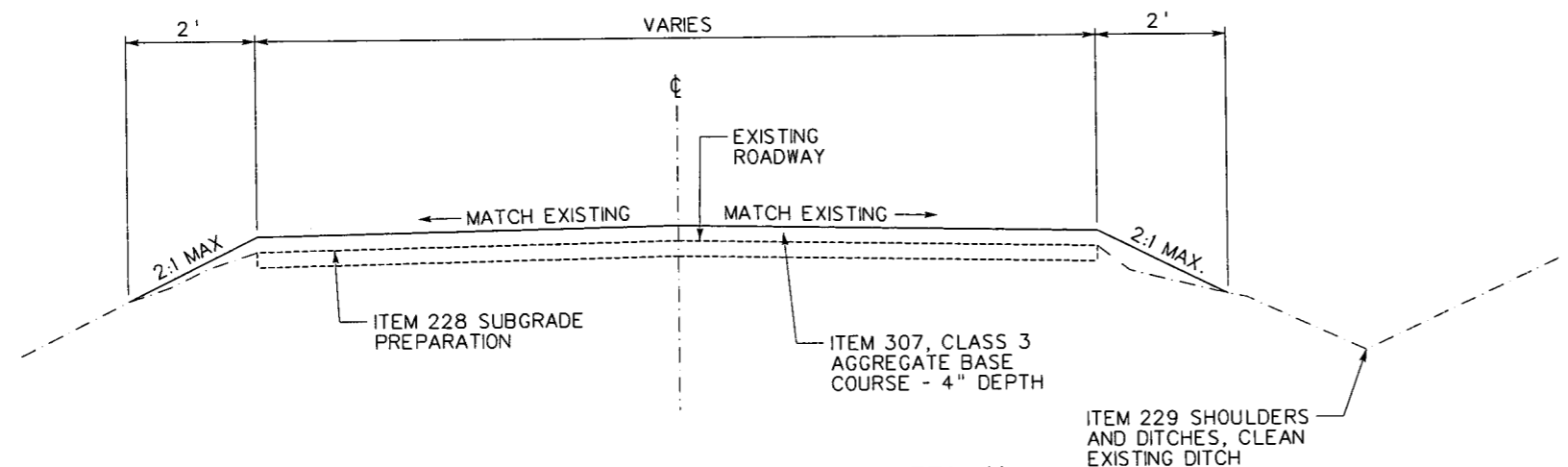
NO.	DESCRIPTION
1	TITLE SHEET
2-3	TYPICAL SECTIONS AND DETAILS
4	GENERAL NOTES & ESTIMATE OF QUANTITIES
5	SURVEY REFERENCE POINTS
6	MAINTENANCE OF TRAFFIC DETAIL
7	PLAN SHEETS
8	E&S NOTES
9	ROW PLAN SHEET
10	CROSS SECTION SHEET



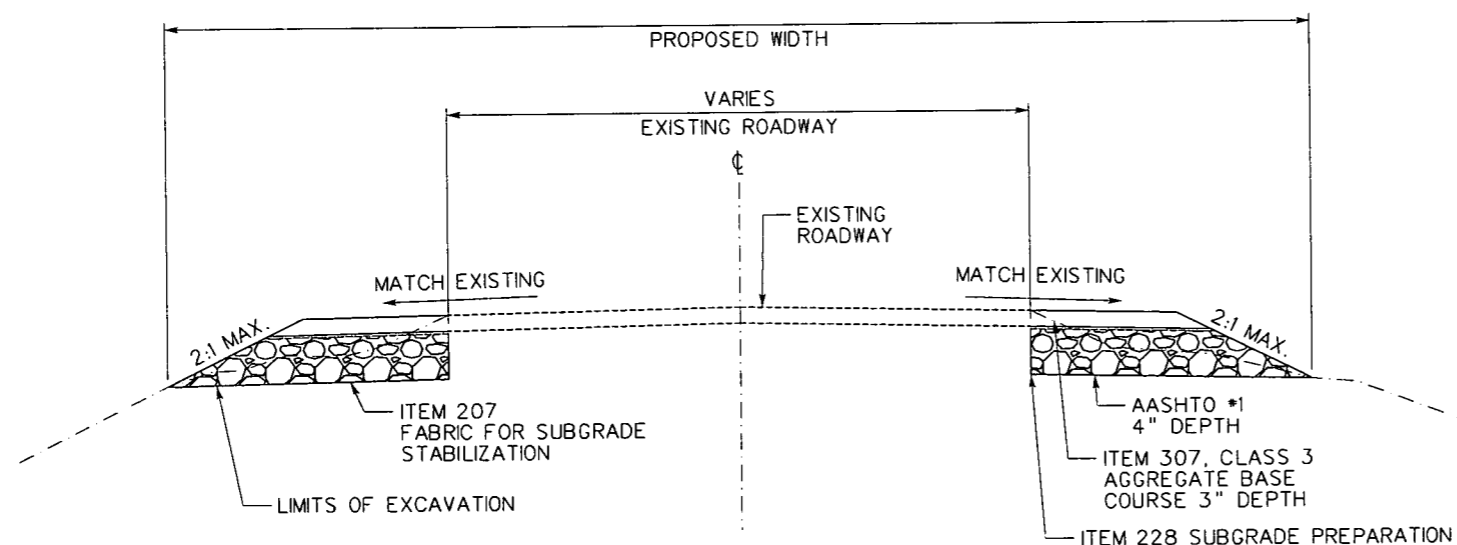
STAHL SHEAFFER
ENGINEERING

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

Public Roads Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	2	10

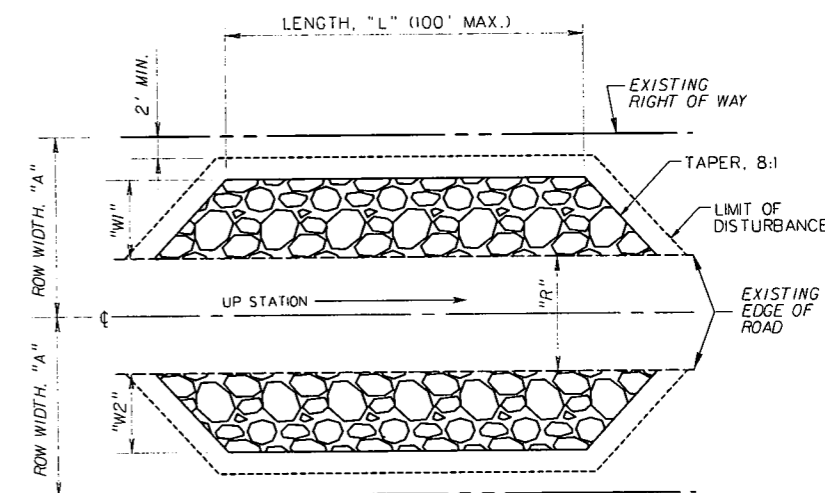


TYPICAL SECTION - AGGREGATE OVERLAY
STA. 125+34 TO STA. 139+70



TYPICAL SECTION - PULL OFF WIDENING

N.T.S.



PLAN VIEW

N.T.S.

PULLOFF WIDENING DIMENSION DETAIL							
LOCATION	PULLOFF ID	ROADWAY WIDTH "R"	A	W1	W2	L	NOTES
CR 18/5	▲	9'	15'	8'	0'	80'	

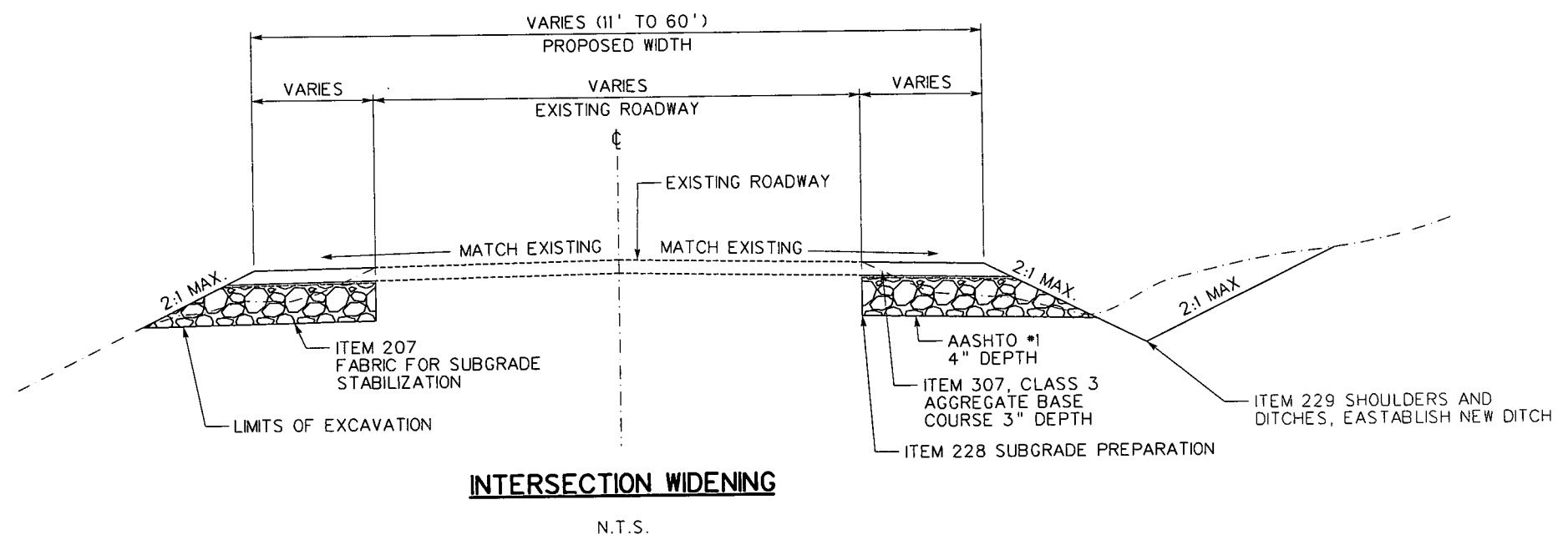
DESIGNED	DATE
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DRAWN	
SM	08/17
CHECKED	
JMK	07/17
CHECKED	
SRP	07/17

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ENGINEERING

TYPICAL SECTIONS

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	3	10



DESIGNED	SM	DATE	08/17
DRAWN	SM	DATE	08/17
CHECKED	JMK	DATE	07/17
CHECKED	SRP	DATE	07/17

STAHL SHEAFFER
ENGINEERING

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

TYPICAL SECTIONS

Public Roads Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	4	10

GENERAL NOTES

GOVERNING SPECIFICATIONS

ALL WORK CONTEMPLATED WITH THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS ROADS AND BRIDGES, 2017 EDITION, AS AMENDED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS AND SUPPLEMENTAL SPECIFICATIONS, OR CURRENT REVISION, UNLESS OTHERWISE NOTED.

STANDARD DETAILS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED MAY, 2016 & VOLUME II, DATED JANUARY 1, 1994 SHALL APPLY TO THIS PROJECT. REVISED STANDARD DRAWINGS LISTED IN THE TABLE ON THIS SHEET WITH THEIR CORRESPONDING DATE SUPERSEDE THE AFOREMENTIONED STANDARD DETAILS. STANDARD DETAILS DRAWINGS CAN BE FOUND AT <http://www.transportation.wv.gov/highways/engineering/Pages/publications.aspx>

RIGHT OF WAY

UTILITY STATUS

THE UTILITY CONTACTS FOR THE PROJECT AREA WERE OBTAINED FROM MISS UTILITY OF WEST VIRGINIA. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN MISS UTILITY TICKET AT [WWW.WV811.COM](http://www.wv811.com) OR 1-800-245-4848 OR 811 AND NOTIFYING ANY UTILITY WITHIN THE LIMITS OF THE PROJECT OF ALL WORK TO BE PERFORMED. UTILITY COMPANIES WILL NORMALLY LOCATE AND MARK THEIR EXISTING FACILITIES ON THE GROUND WITHIN TWO (2) WORKING DAYS. THE ENGINEER WILL MAKE EVERY EFFORT TO ADJUST THE PROPOSED WORK TO AVOID CONFLICTS WITH OR RELOCATIONS BY THE UTILITY.

THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS OR THE EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES THE ENGINEER GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE WORK SITE.

EXISTING CONDITIONS

THE EXISTING CONDITIONS HAVE BEEN APPROXIMATED USING EXISTING TOPOGRAPHY DERIVED FROM AERIAL MAPPING PROVIDED BY CEC, 2 FOOT CONTOURS DATED: JUNE 2, 2017. THE ENGINEER MAKES NO GUARANTEE TO ACCURACY OF THE BASE INFORMATION. EXISTING ROADS, DRIVEWAYS AND STRUCTURES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO LOCATE AND PROTECT EXISTING UTILITY SERVICES AND MAINS. ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE FIELD ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION

FAILURE TO SPECIFICALLY MENTION ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY PRECAUTIONS AND PROGRAMS. THE CONTRACTOR IS RESPONSIBLE FOR TRANSITIONS TO DRIVEWAYS, DRAINAGE STRUCTURES, AND OTHER ROADSIDE FEATURES.

ROADWAY CR 18/5			
ITEM NO.	ITEM DESCRIPTION	APPROXIMATE QUANTITIES	UNITS
201001-000	CLEARING AND GRUBBING	1	LS
204001-000	MOBILIZATION	1	LS
207001-001	UNCLASSIFIED EXCAVATION	662	CY
207002-000	SUBGRADE (GRANULAR MATERIAL AASHTO *1)	61	TON
207034-000	FABRIC FOR SUBGRADE STABILIZATION	390	SY
228001-000	SUBGRADE PREPARATION	390	SY
229001-001	ESTABLISHING NEW DITCH	0.04	MI
229001-002	CLEAN EXISTING SHOULDER AND DITCH	0.27	MI
307001-000	AGGREGATE BASE COURSE, CLASS 3 (3")	390	SY
307001-000	AGGREGATE BASE COURSE, CLASS 3 (4")	1436	SY
604050-016	18" CORRUGATED POLYETHYLENE PIPE	30	LF
636001-001	TRAFFIC CONTROL	1	LS
639001-001	CONSTRUCTION LAYOUT STAKE	1	LS
642012-002	COMPOST FILTER SOCK - 18" DIA.	172	LF
652003-001	SEED MIXTURE, B	15	LB
652004-001	STRAW OR HAY MULCH	0.4	TN

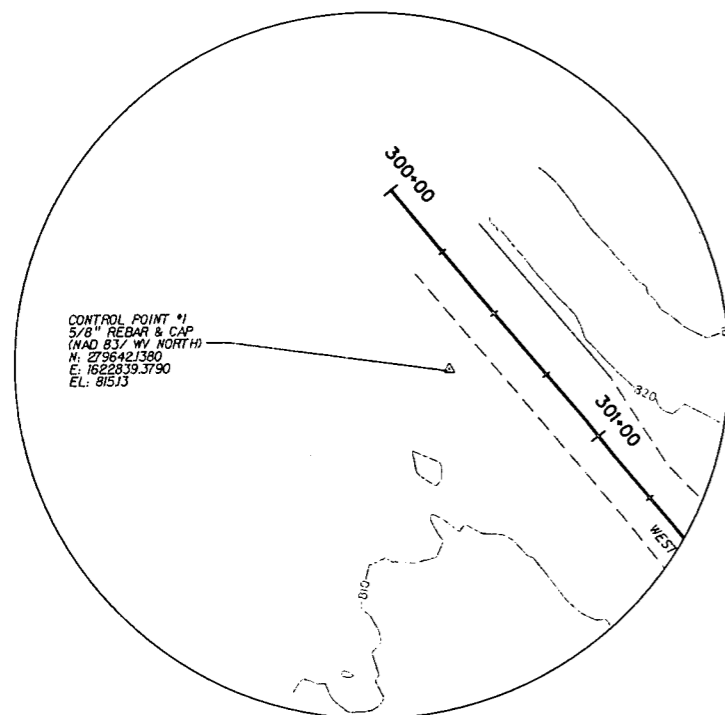
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SM	08/17
DRAWN	
SM	08/17
CHECKED	
JMK	07/17
CHECKED	
SRP	07/17

STAHL SHEAFFER
ENGINEERING

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

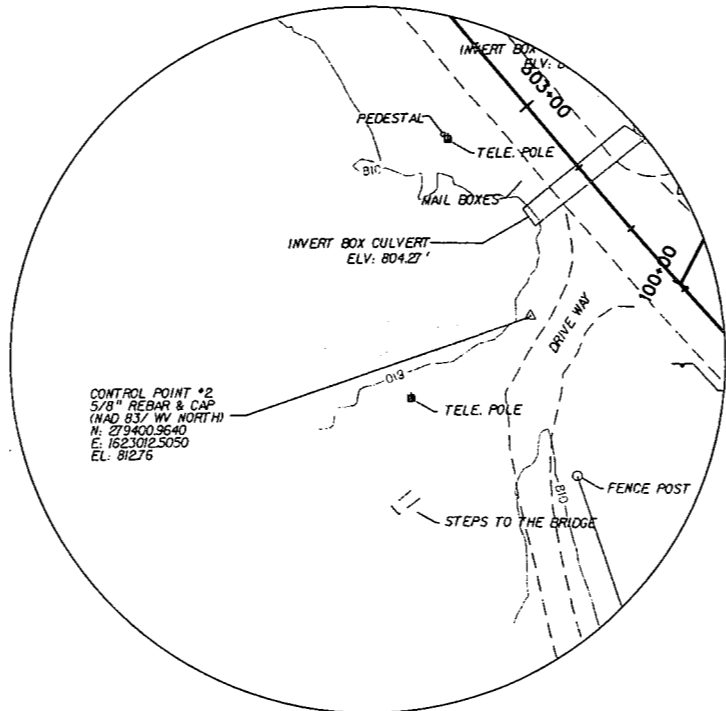
GENERAL NOTES

Public Roads Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	5	10



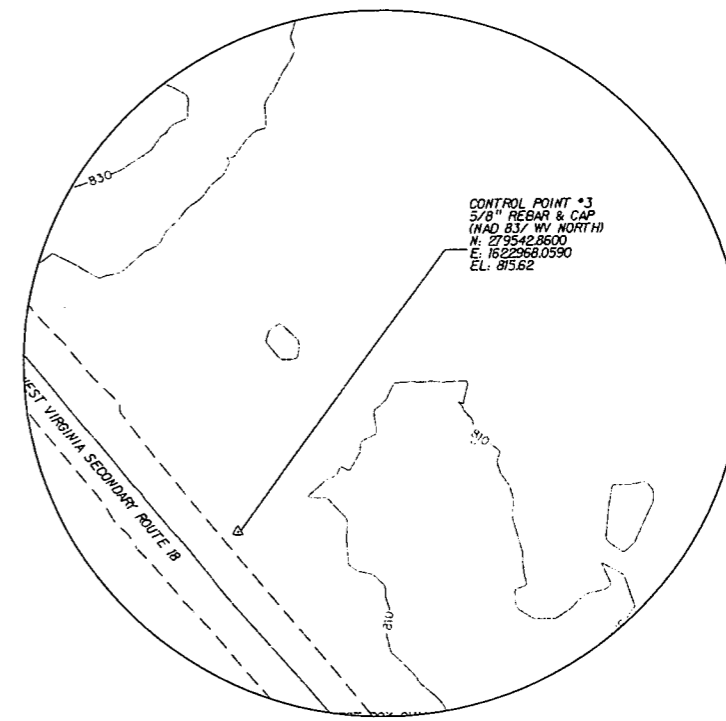
CONTROL POINT #1
5/8" REBAR & CAP
(NAD 83/ WV NORTH)
N: 279642.1380
E: 1622839.3790
EL: 815.13

CONTROL POINT #1
N: 279642.1380
E: 1622839.3790
ELEV: 815.13
STA: 300+54.47
OFF: 21.80' RT



CONTROL POINT #2
5/8" REBAR & CAP
(NAD 83/ WV NORTH)
N: 279400.9640
E: 1623012.5050
EL: 812.76

CONTROL POINT #2
N: 279400.9640
E: 1623012.5050
ELEV: 812.76
STA: 303+50.38
OFF: 41.48' RT



CONTROL POINT #3
5/8" REBAR & CAP
(NAD 83/ WV NORTH)
N: 279542.8600
E: 1622968.0590
EL: 815.62

CONTROL POINT #3
N: 279542.8600
E: 1622968.0590
ELEV: 815.62
STA: 302+12.63
OFF: 15.51' LT

DESIGNED	DATE
SM	06/17
DRAWN	
SM	06/17
CHECKED	
JMK	07/17
CHECKED	
SRP	07/17

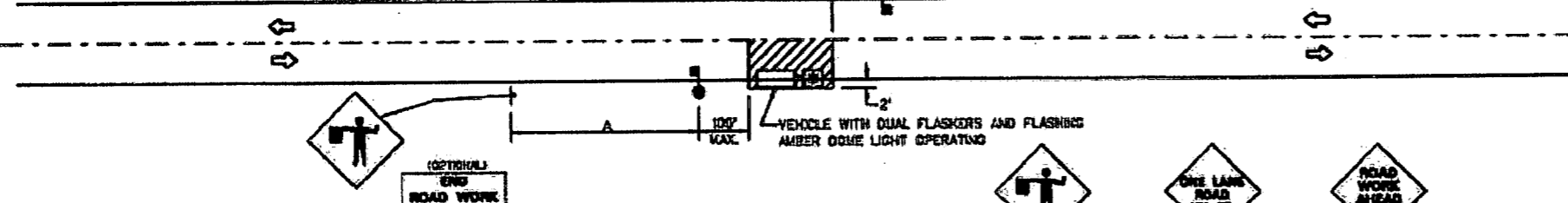
STAHL SHEAFFER
ENGINEERING

REFERENCE POINTS

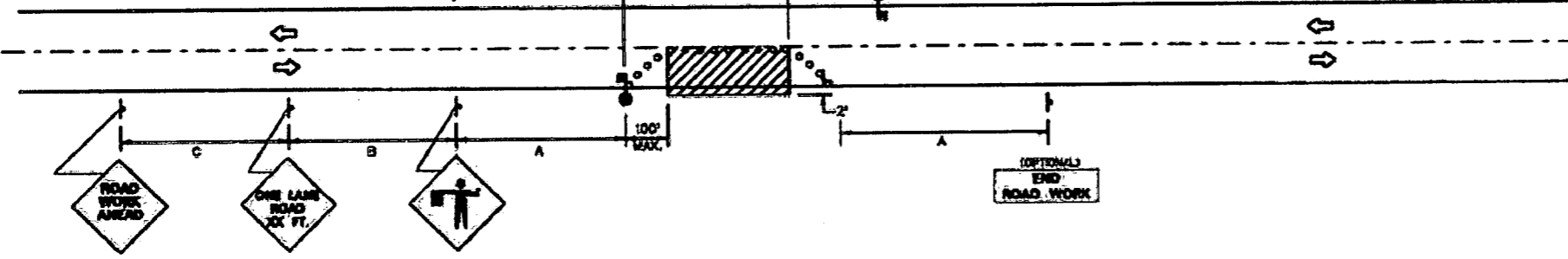
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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

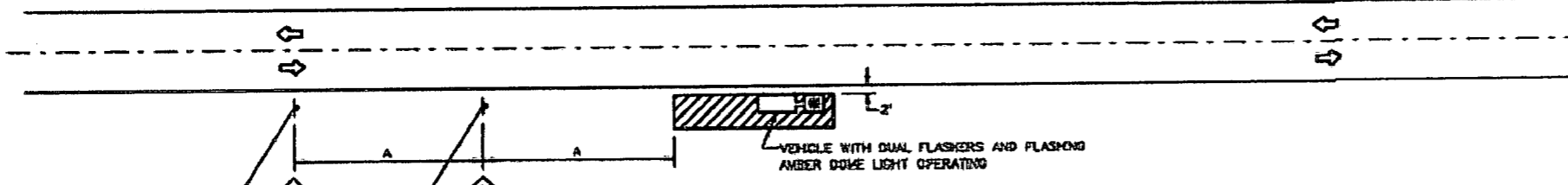
A. FOR ANY OPERATION THAT ENDOACHES IN THE AREA BETWEEN THE CENTER LINE AND A LINE 2 FT. OUTSIDE THE EDGE OF THE PAVEMENT FOR A PERIOD OF LESS THAN 15 MINUTES.



B. FOR ANY OPERATION THAT ENDOACHES IN THE AREA BETWEEN THE CENTER LINE AND A LINE 2 FT. OUTSIDE THE EDGE OF THE PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES BUT LESS THAN 8 HOURS.



C. FOR ANY OPERATION THAT IS MORE THAN 2 FT. OUTSIDE THE EDGE OF THE PAVEMENT FOR A PERIOD OF LESS THAN 60 MINUTES.



GENERAL NOTES

- CONSTRUCTION OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE, LEAVING THE OPPOSITE LANE OPEN TO TRAFFIC. AT LEAST 300 FT. OF BOTH TRAFFIC LANES SHALL BE AVAILABLE FOR TRAFFIC MOVEMENT AT INTERVALS NOT GREATER THAN 1,000 FT. A COMPLETE TRAFFIC CONTROL PLAN MUST BE APPROVED FOR ANY PROJECT EXPECTING TO EXCEED 1,000 FT. IN LENGTH INCLUDING BOTH TAPER AND WORK AREAS.
- FOR LOW-VOLUME SITUATIONS WITH SHORT WORK ZONES ON STRAIGHT ROADWAYS WHERE THE FLAGGER IS VISIBLE TO ROAD USERS APPROACHING FROM BOTH DIRECTIONS, A SINGLE FLAGGER POSITIONED TO BE VISIBLE TO ROAD USERS APPROACHING FROM BOTH DIRECTIONS, MAY BE USED.
- FLASHING WARNING LIGHTS AND/OR FLADS MAY BE USED TO CALL ATTENTION TO THE ADVANCE WARNING SIGNS.
- THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
- ALL SIGNS ARE TO BE REMOVED AT COMPLETION OF THE DAY'S OPERATIONS.
- FOR MULTILANE DIVIDED ROADWAYS THE ADVANCE WARNING SIGNS FOR TRAFFIC APPROACHING FROM THE OPPOSITE DIRECTION MAY BE OMITTED IF APPROVED BY THE ENGINEER.

SUGGESTED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS (IN FT)		
	A	B	C
URBAN LOW SPEED*	100	100	100
URBAN HIGH SPEED*	330	330	330
RURAL	500	500	500
EXPRESSWAY/FREEWAY	1,000	1,500	2,640

CASE A6
TWO-LANE, TWO-WAY TRAFFIC
SHORT-TERM OPERATIONS
DAYTIME ONLY

TYPICAL APPLICATIONS

- PATCHING PAVEMENT.
- FIELD SURVEY.
- CLEANING UP DEBRIS ON PAVEMENT.
- CROSSWALK PAINTING.

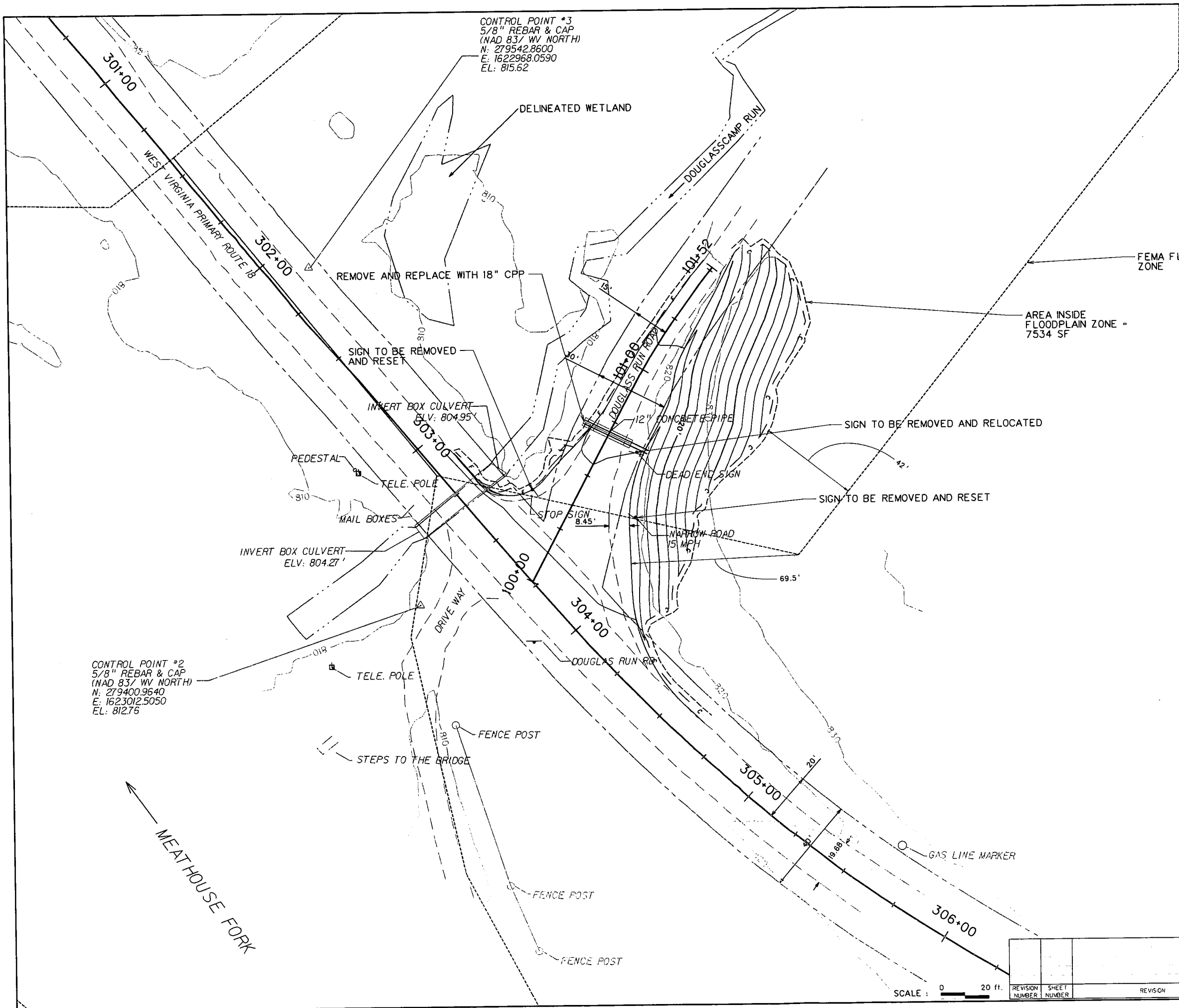
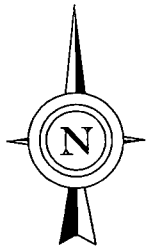
DESIGNED	DATE
SM	06/17
DRAWN	
SM	06/17
CHECKED	
JMK	07/17
CHECKED	
SRP	07/17

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MAINTENANCE OF TRAFFIC DETAILS

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Public Recs. Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	7	10



FEMA FLOOD HAZARD ZONE

AREA INSIDE FLOODPLAIN ZONE = 7534 SF

SIGN TO BE REMOVED AND RELOCATED

SIGN TO BE REMOVED AND RESET

DESIGNED	SM	DATE	08/17
DRAWN	SM	DATE	08/17
CHECKED	JMK	DATE	07/17
CHECKED	SRP	DATE	07/17

STAHL SHEAFFER
ENGINEERING

PLAN SHEET

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SCALE : 0 20 ft.

CONTROL POINT #2
5/8" REBAR & CAP
(NAD 83/ WV NORTH)
N: 279400.9640
E: 1623012.5050
EL: 812.76

CONTROL POINT #3
5/8" REBAR & CAP
(NAD 83/ WV NORTH)
N: 279542.8600
E: 1622968.0590
EL: 815.62

MEATHOUSE FORK

Public Recess Dist.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	8	10

EROSION & SEDIMENTATION POLLUTION CONTROL (E&S) NOTES:

A. GENERAL EROSION AND SEDIMENT (E&S) CONTROL GUIDELINES

1. A COPY OF THIS PLAN SHALL BE KEPT AVAILABLE FOR INSPECTION ON THE CONSTRUCTION SITE AT ALL TIMES THROUGH THE STAGES OF THE PROJECT.
2. THE INTENT OF THIS PLAN IS TO INDICATE GENERAL MEANS OF COMPLIANCE WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE CLEAN WATER ACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THESE METHODS PLUS ADDITIONAL METHODS AS MAY BE NECESSARY BECAUSE OF THE CONDITIONS CREATED BY LOCALIZED SITE CONDITIONS, AND/OR CONSTRUCTION PROCEDURES IN ORDER TO ASSURE COMPLIANCE WITH APPLICABLE LAW. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL E&S FACILITIES SO THAT THEY PERFORM AS REQUIRED BY LAW.
3. IF SPOIL MATERIAL OR SOIL IS REMOVED FROM THE SITE THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE APPROPRIATE CONSERVATION DISTRICT AN E&S PLAN FOR THE SITE WHICH WILL RECEIVE THE SPOIL MATERIAL.
4. BEFORE INITIATING ANY REVISIONS TO THE APPROVED E&S PLANS OR REVISIONS TO ALTER PLANS WHICH MAY EFFECT THE EFFECTIVENESS OF THE APPROVED E&S PLAN, THE CONTRACTOR MUST RECEIVE APPROVAL FROM THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP).

B. GENERAL E&S CONTROL METHODS/PROCEDURES

1. IN ALL CASES THE SMALLEST PRACTICAL AREA OF STABLE LAND SURFACE SHALL BE DISTURBED.
2. ALL RELATED E&S FACILITIES SHALL BE IN PLACE AND CAPABLE OF FUNCTIONING AS INTENDED PRIOR TO EARTH MOVING ACTIVITY WITHIN THEIR CONTRIBUTING WATERSHED AREAS.
3. DEWATERING EQUIPMENT DISCHARGE SHALL BE DIRECTED ONTO A STABILIZED SURFACE SO THAT EROSION DOES NOT OCCUR. DISCHARGES SHALL BE DIRECTED THROUGH A SEDIMENT FILTER STRUCTURE AND DISCHARGED IN A NON-EROSIVE MANNER.
4. SEDIMENT SPILLED, DROPPED OR TRACKED ONTO PAVED SURFACES SHALL BE REMOVED IMMEDIATELY.
5. AT THE END OF EACH WORKING DAY, ANY SEDIMENT TRACKED OR CONVEYED ONTO A PUBLIC ROADWAY WILL BE REMOVED AND RE-DEPOSITED ONTO THE CONSTRUCTION SITE. REMOVAL CAN BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS, BUT MUST NEVER BE WASHED OFF THE ROAD BY USE OF WATER.
6. SEDIMENT REMOVED FROM THE E&S FACILITIES SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS, OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN TOPSOIL STOCKPILES. AN E&S PLAN SHALL BE SUBMITTED TO THE CONSERVATION DISTRICT FOR ALL OFF-SITE SPOIL AREAS.
7. ALL PUMPING OF SEDIMENT-LADEN WATER SHALL BE THROUGH A DIRT BAG FILTRATION DEVICE, OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER NON-DISTURBED VEGETATED AREAS. DISCHARGE POINTS SHOULD BE ESTABLISHED TO PROVIDE FOR MAXIMUM DISTANCE TO ACTIVE WATERWAYS.
8. SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD CHIPS, HAY BALES, CRUSHED STONE AND OTHER MULCHES SHALL BE IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS OF EROSION.
9. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
10. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED MUST BE STABILIZED IMMEDIATELY. DURING NON-GERMINATION PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE RE-DISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.
11. STABILIZATION OF ALL AREAS PROTECTED BY INTERIM CONTROL MEASURES/FACILITIES SHALL BE TO THE PERMANENT STRUCTURAL CONDITION OR 70% UNIFORM PERENNIAL VEGETATION BEFORE THE INTERIM MEASURES/FACILITIES CAN BE REMOVED.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE WVDEP REGULATIONS RELATING TO SOLID WASTE DISPOSAL/RECYCLING.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL E&S MEASURES. IF EROSION CONTROL MEASURES FAIL OR OTHER EROSION PROBLEMS ARISE, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT AND ELIMINATE THEM BEFORE THEY DEVELOP INTO UNMANAGEABLE PROBLEMS.
14. UNTIL THE SITE IS STABILIZED, ALL E&S BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL E&S BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS SPECIFIED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED. ANY AREAS DISTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, STABILIZED AND PERMANENTLY SEEDED.
15. E&S BMP'S SHALL CONSIST OF SLIT FENCE OR COMPOST FILTER SOCK, 12" DIAMETER, IN ACCORDANCE WITH WVDEP STANDARDS.

D. RESTORATION OF PLANTING AREAS

1. IF EARTH DISTURBANCE OCCURS DURING THE MONTHS OF NOVEMBER THROUGH MARCH, THEN AROOSTOOK WINTER RYE SHALL BE APPLIED TO DISTURBED AREAS AS A TEMPORARY SEED MIXTURE. IF STABILIZATION CANNOT BE ACHIEVED WITH AROOSTOOK WINTER RYE, THEN MULCH WITH TACKIFIER SHALL BE APPLIED TO DISTURBED AREAS. MULCH SHALL BE CLEAN OAT OR WHEAT STRAW AND SHALL BE APPLIED AT THE RATE OF TWO (2) TONS PER ACRE. TACKIFIER SHALL BE APPLIED AT THE MANUFACTURER'S APPLIED RATE. AREAS THAT LOSE THE MULCH COVER SHALL BE REMULCHED.
2. FINAL RESTORATION SHALL BE PERFORMED NO LATER THAN THE START OF THE NEXT PLANTING SEASON FOLLOWING CONSTRUCTION. THE PLANTING SEASON SHALL BE AS ESTABLISHED BY THE U.S. AGRICULTURAL SERVICE FOR THE AREA OF CONSTRUCTION.
3. TOPSOIL SHALL BE FREE FROM SUBSOIL, BRUSH, WEEDS, OR OTHER LITTER, CLAY LUMPS AND STONES BUT MAY CONTAIN DECAYING VEGETABLE MATTER AS IS PRESENT IN GOOD TOPSOIL.
4. PRECAUTIONS SHALL BE EXERCISED AS NECESSARY TO CONFORM WITH LAWS RELATING TO EROSION AND SEDIMENT CONTROL.
5. SEED SHALL BE NOT MORE THAN TWO (2) YEARS OLD. GERMINATION TESTS OF SEEDS SHALL BE MADE NOT MORE THAN SIX (6) MONTHS PRIOR TO SEEDING. SEED THAT HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED SHALL NOT BE USED.
6. ALL SEED MIXTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO SEEDING.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO PRODUCE A STRAND OF GRASS IN ALL SEEDED OR SODDED AREAS. EROSION, DROUGHT, OR ANY OTHER CONDITION ENCOUNTERED SHALL NOT RELIEVE THE CONTRACTOR OF THIS REQUIREMENT.

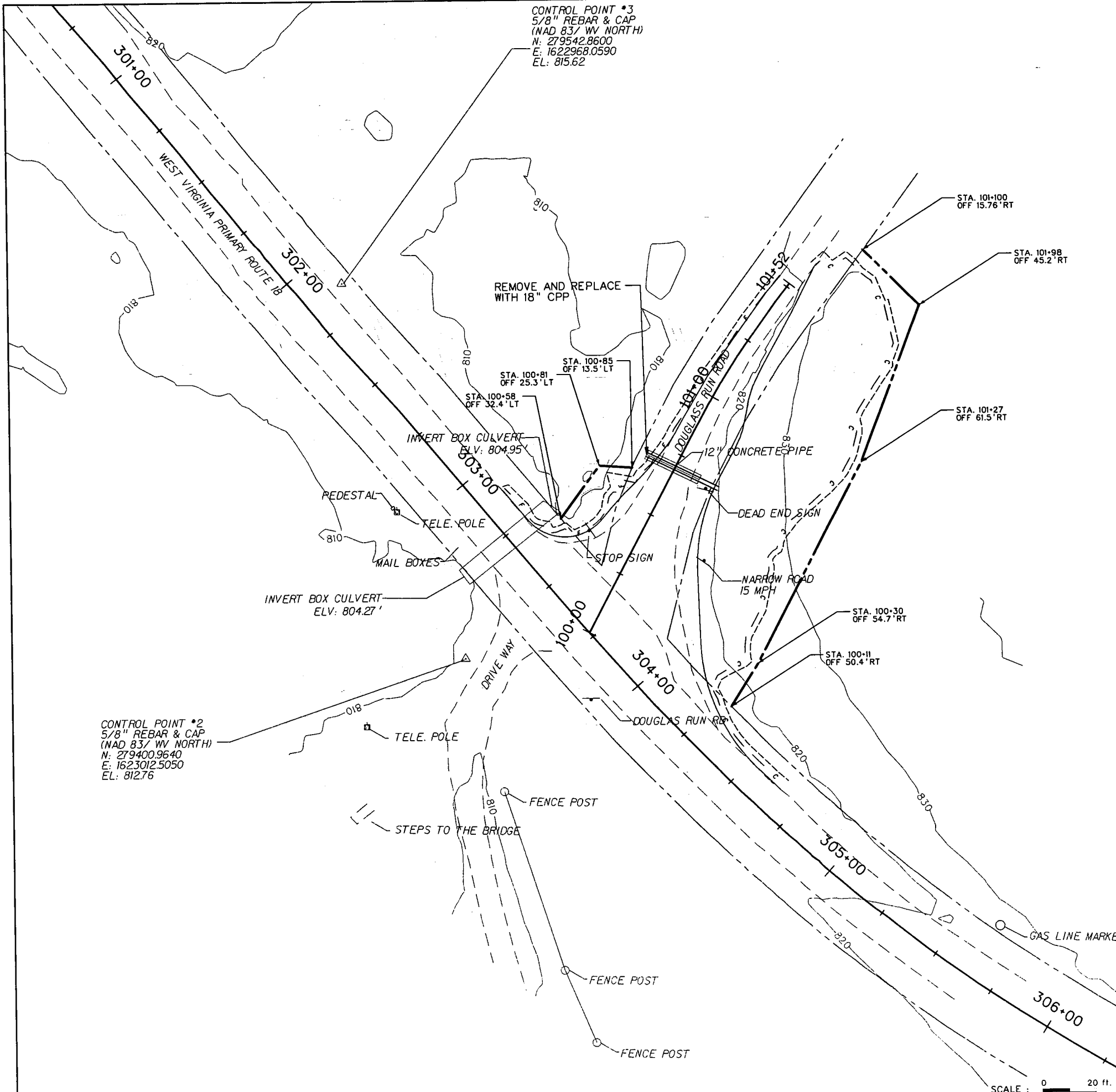
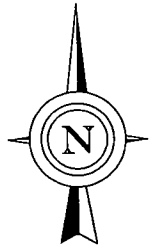
DESIGNED	DATE
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DRAWN	
SM	06/17
CHECKED	
JMK	07/17
CHECKED	
SRP	07/17

**STAHL SHEAFFER
ENGINEERING**

**EROSION & SEDIMENT
CONTROL NOTES**

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	04	2017	DODDRIDGE	9	10



CONTROL POINT #3
 5/8" REBAR & CAP
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 E: 1622968.0590
 EL: 815.62

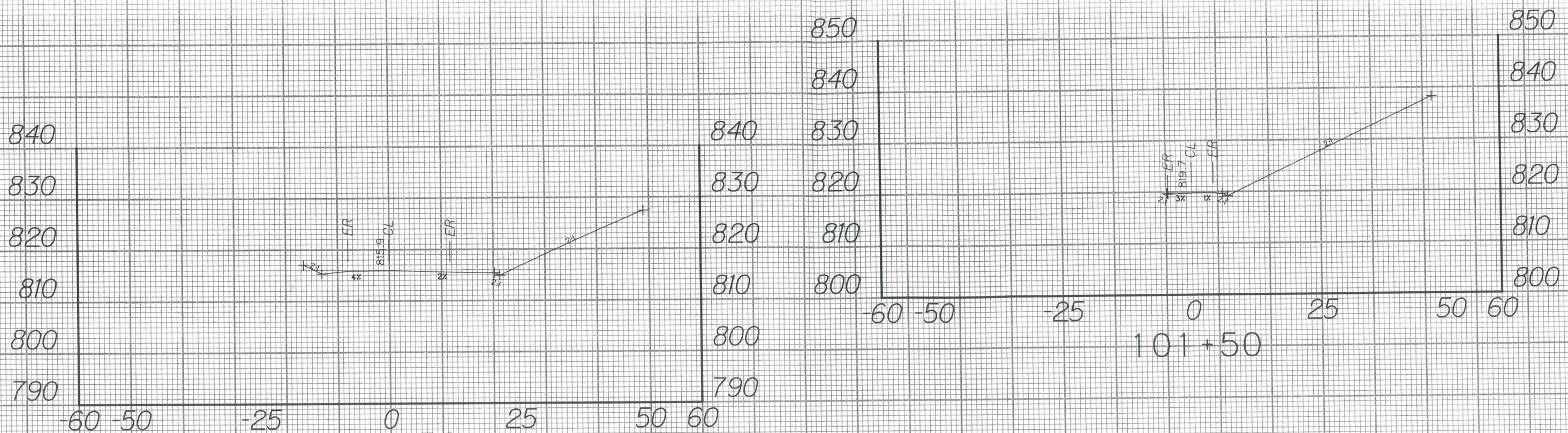
CONTROL POINT #2
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DRAWN	SM	DATE	08/17
CHECKED	JMK	DATE	07/17
CHECKED	SRP	DATE	07/17

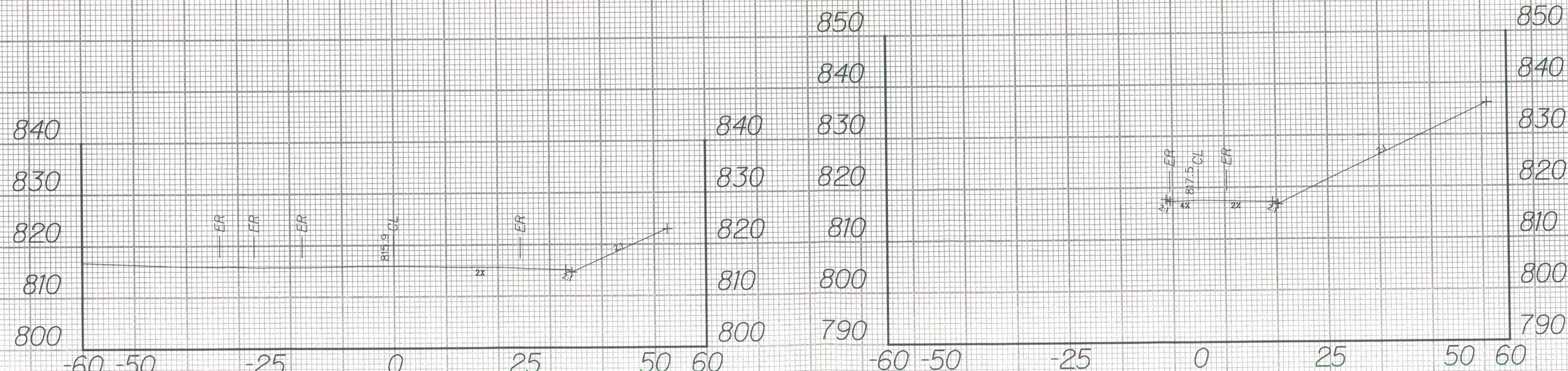
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

ROW SHEET

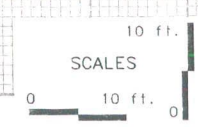
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100+50

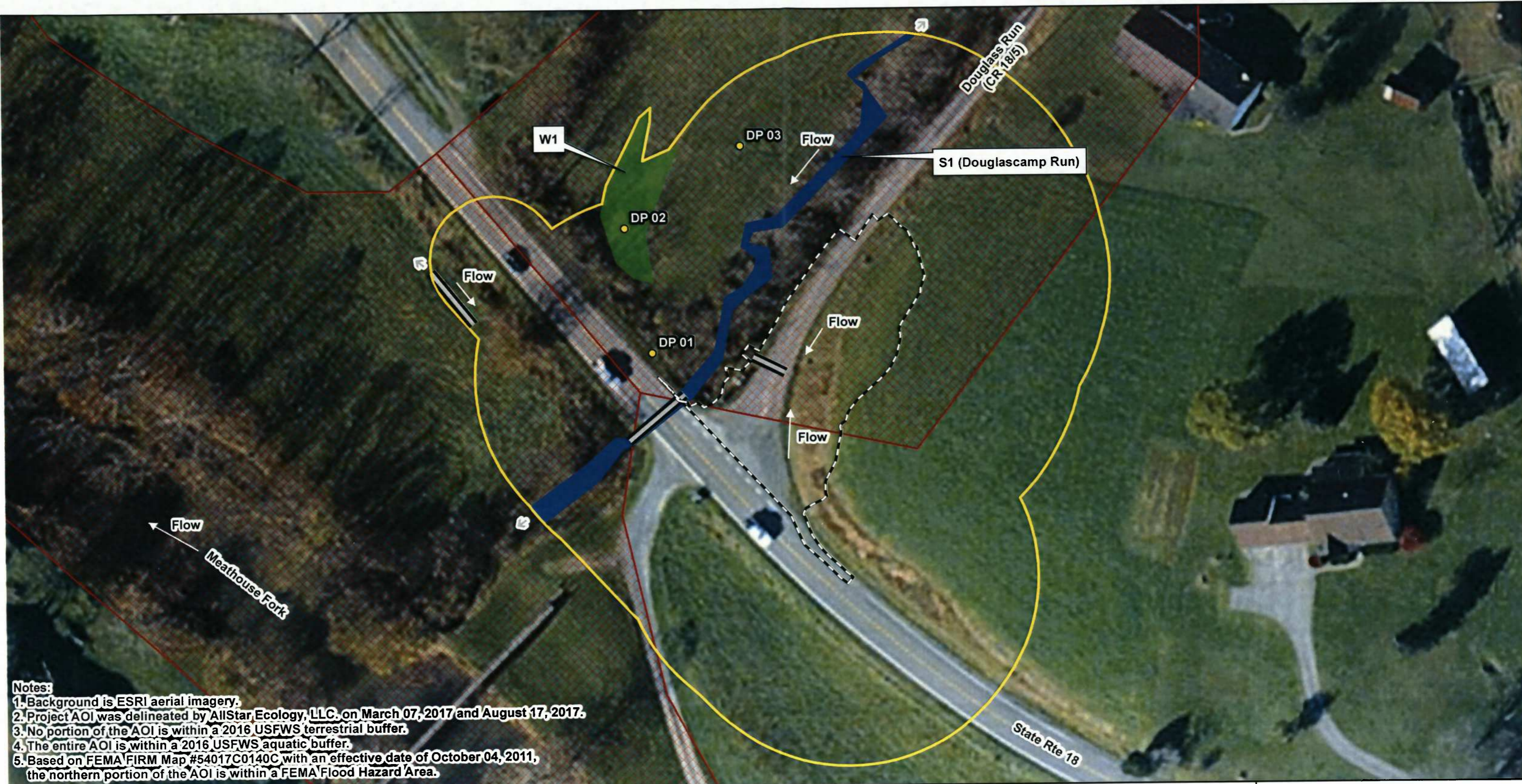


101+00

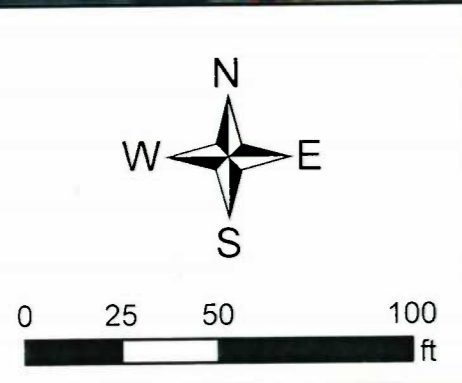
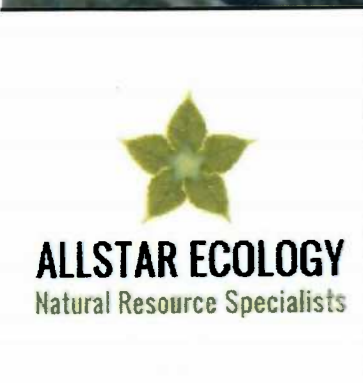


REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

CROSS-SECTION SHEET
Sta. 100+25 to Sta. 101+50



- Notes:**
1. Background is ESRI aerial imagery.
 2. Project AOI was delineated by AllStar Ecology, LLC. on March 07, 2017 and August 17, 2017.
 3. No portion of the AOI is within a 2016 USFWS terrestrial buffer.
 4. The entire AOI is within a 2016 USFWS aquatic buffer.
 5. Based on FEMA FIRM Map #54017C0140C with an effective date of October 04, 2011, the northern portion of the AOI is within a FEMA Flood Hazard Area.



Project AOI	PEM Wetland	Existing Culvert
Project LOD	Perennial Stream	Feature Continues
FEMA Flood Hazard		

F2S Infrastructure, Inc.

Attachment B.
Doddridge CR 18/5
Delineation with Designs

Date: 08/17/2017	Sheet 1
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