



## US-64/SR15 Hardin County Drainage Project

### Specifications

Tennessee Department of Transportation (TDOT) is seeking a contractor to perform drainage work as described in the following specifications and plan sheets. The location of work is identified on the plan sheets by roadway and tract number and is approximately located as follows: US64 (SR15) Westbound from Lane Mile 15.75 (Ruth Way) to Lane Mile 15.48 (Private Drive). Contractor shall be responsible for all materials, equipment, tools, and labor to complete all work. All utility locates are the responsibility of the contractor. Contractor shall complete work within 90 days of receipt of the authorized purchase order. TDOT in conjunction with the Attorney General's office will inspect all work for accuracy upon notice of completion from the Contractor. Any work products that fail inspection must be corrected at the cost of Contractor prior to invoice payment.

All noted quantities are estimates only. Contractors are encouraged to perform a site visit to ensure the bid represents the total cost to satisfy the scope of work. Site location inquiries may be directed to Cody Roberts (731-935-0181) however, TDOT is not required to be present at the site visit.

#### **Definition:**

Rip-rap: Class A-3 Rip-rap shall vary in size from 2 to 6 inches with no more than 20% by weight being less than 4 inches. TDOT Standard Specifications, section 709.03, January 2021 edition. (<https://www.tn.gov/tdot/tdot-construction-division/transportation-construction-division-resources/2021-standard-specifications.html>)

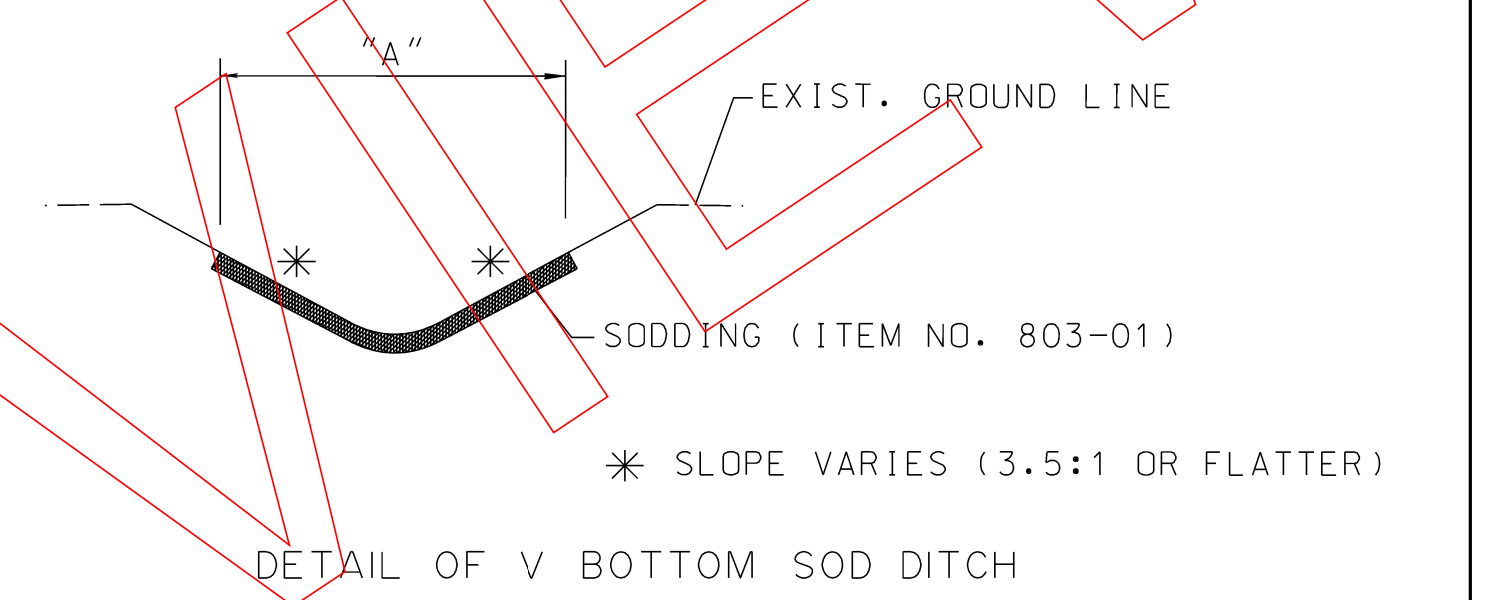
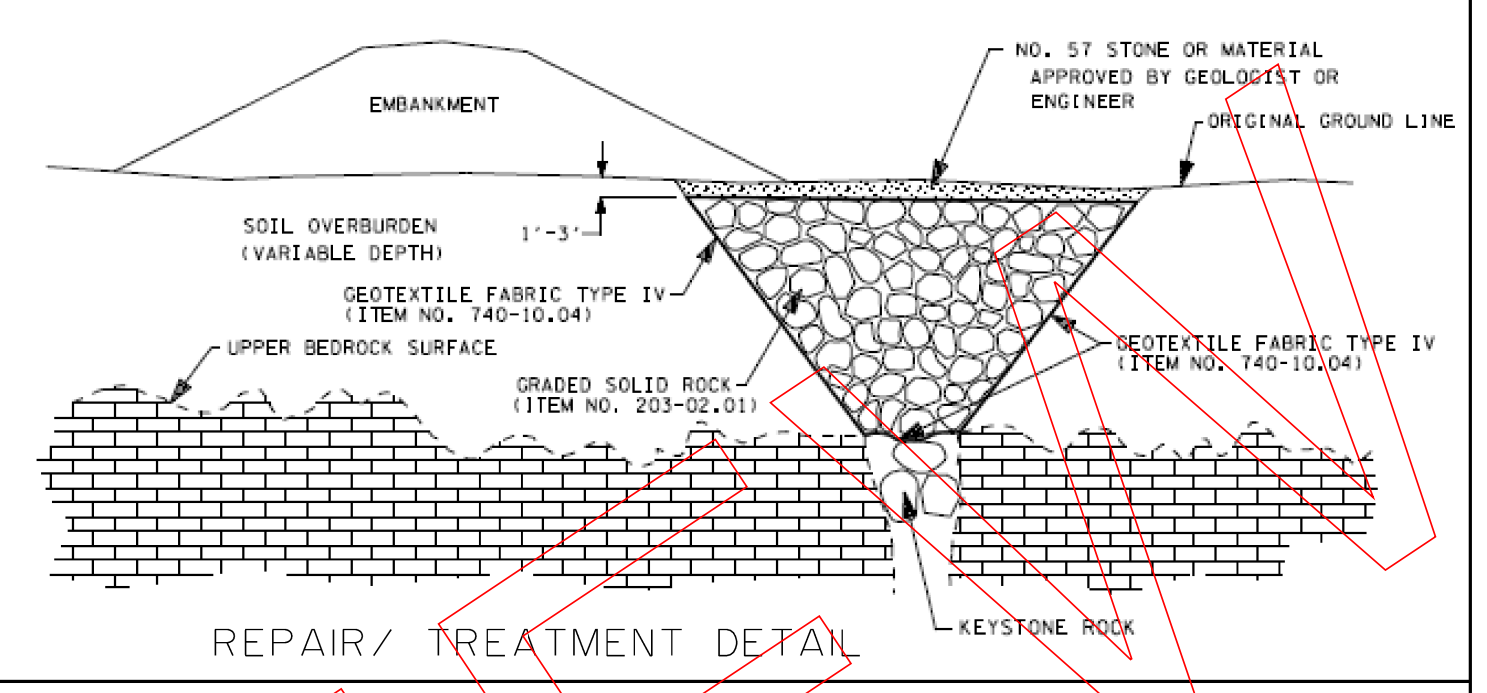
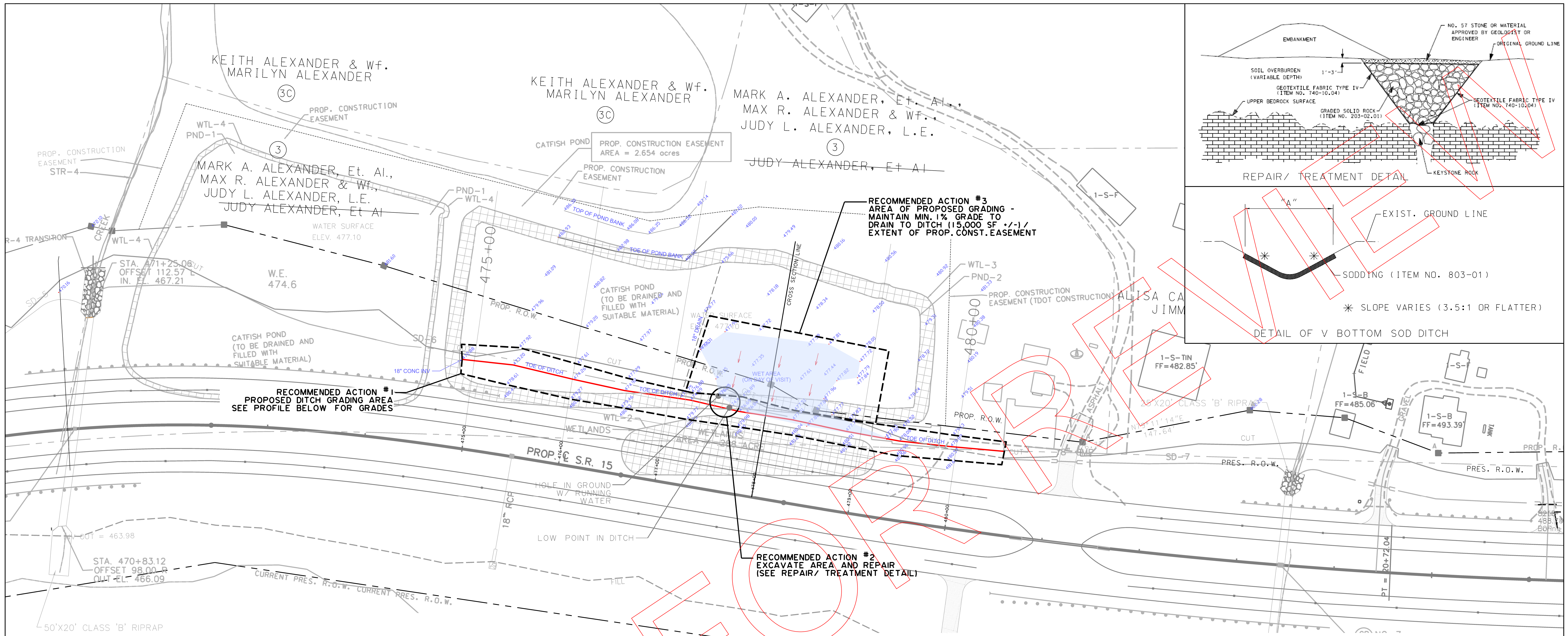
#### **Work Product 1: Alexander – Eastern Complaint Area**

##### **Reference Attached: Plan Sheet C1.00**

Beginning at the unnamed tributary to Boon Creek, remove and dispose of willow trees in an easterly direction in the side ditch to the cross-drain endwall which is approximately 600 feet in length. Beginning at said endwall, excavate new roadway ditch approximately 180 feet in length. Install rip-rap in new ditch, approximately 115 Tons. Grade adjoining wet area for drainage towards the ditch and place sod on the disturbed area, approximately 500 square yards.

**Work Product 2: Alexander – Western Complaint Area****Reference Attached: Plan Sheet C2.00**

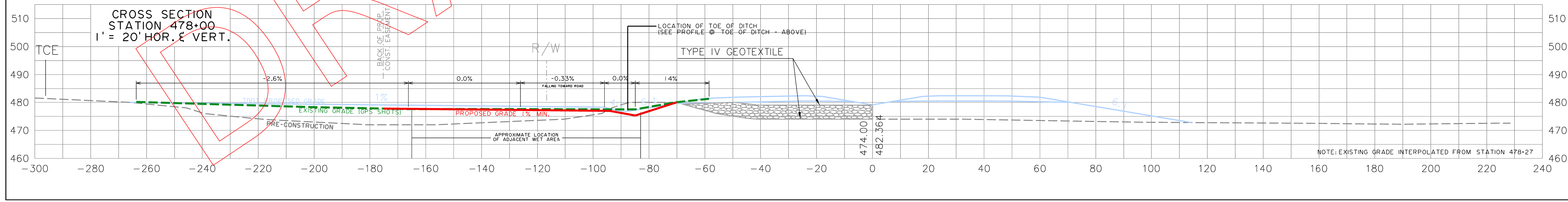
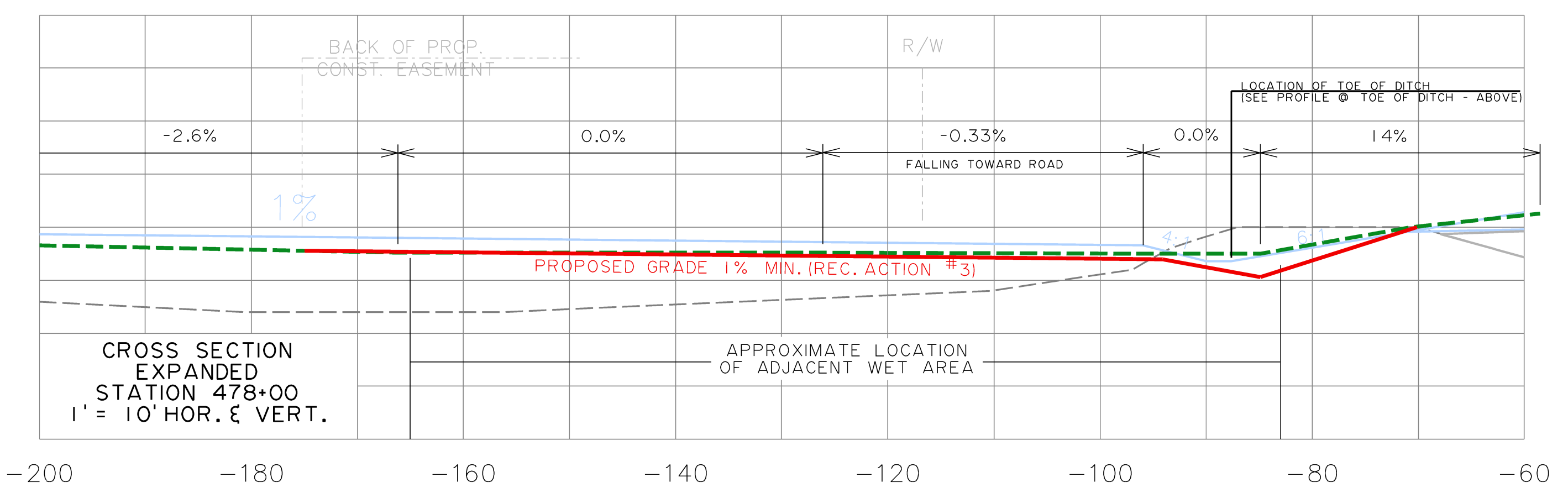
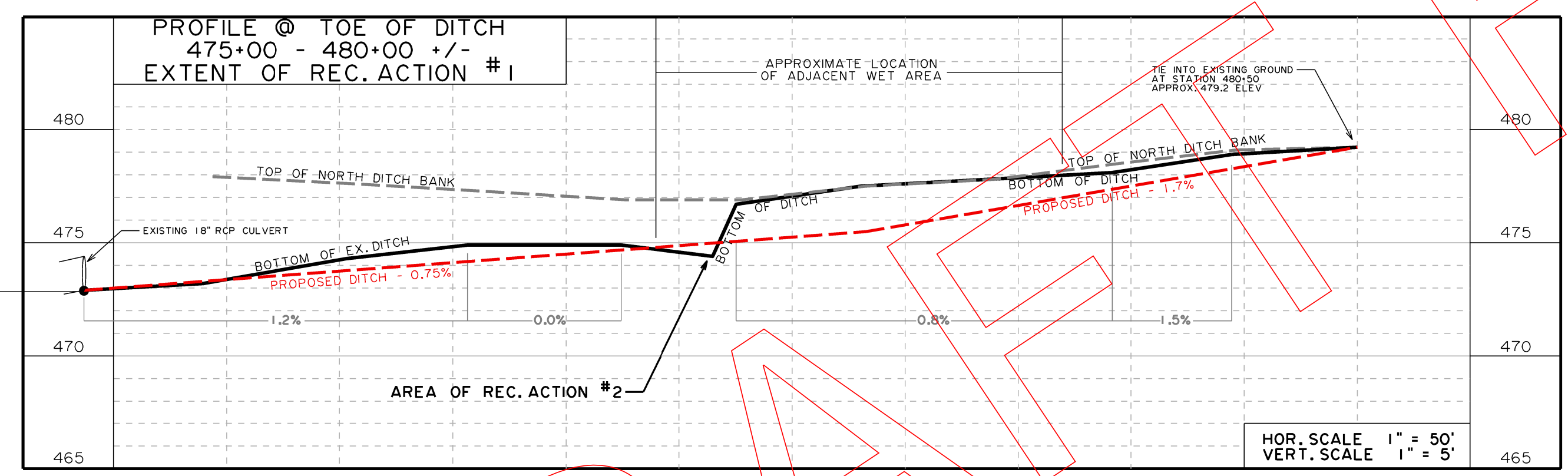
Beginning at the private drive location, excavate a new ditch from the existing endwall approximately 125 feet parallel to the private drive. Existing waterline may control the depth of ditch. Install rip-rap in new ditch, approximately 100 Tons. Regrade ditch from private drive along SR15 for positive drainage, approximately 150 feet. Place rip-rap in newly graded ditch, approximately 100 Tons. Lightly grade wet area to drain to newly graded ditches to the extent that is possible. Install sod on disturbed area, approximately 630 square yards.



RECOMMENDED ACTION #1  
PROPOSED DITCH GRADING AREA  
SEE PROFILE BELOW FOR GRADES

RECOMMENDED ACTION #3  
AREA OF PROPOSED GRADING -  
MAINTAIN MIN. 1% GRADE TO  
DRAIN TO DITCH (15,000 SF +/-)  
EXTENT OF PROP. CONST. EASEMENT

RECOMMENDED ACTION #2  
EXCAVATE AREA AND REPAIR  
(SEE REPAIR/TREATMENT DETAIL)



PARCELS 074/8.01 & 075/1.00  
HARDIN COUNTY, TN

PROJECT BENCHMARK:  
DESCRIPTION OF BM

NORTH

SCALE 1" = 50'

**WARREN & ASSOCIATES**  
ENGINEERING CONSULTING SERVICES

100 Pennsylvania Avenue • Lebanon, Tennessee 37087  
Phone: 615-444-2996 / Fax: 615-444-2961

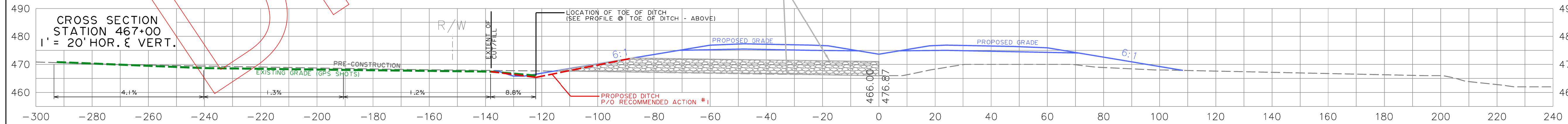
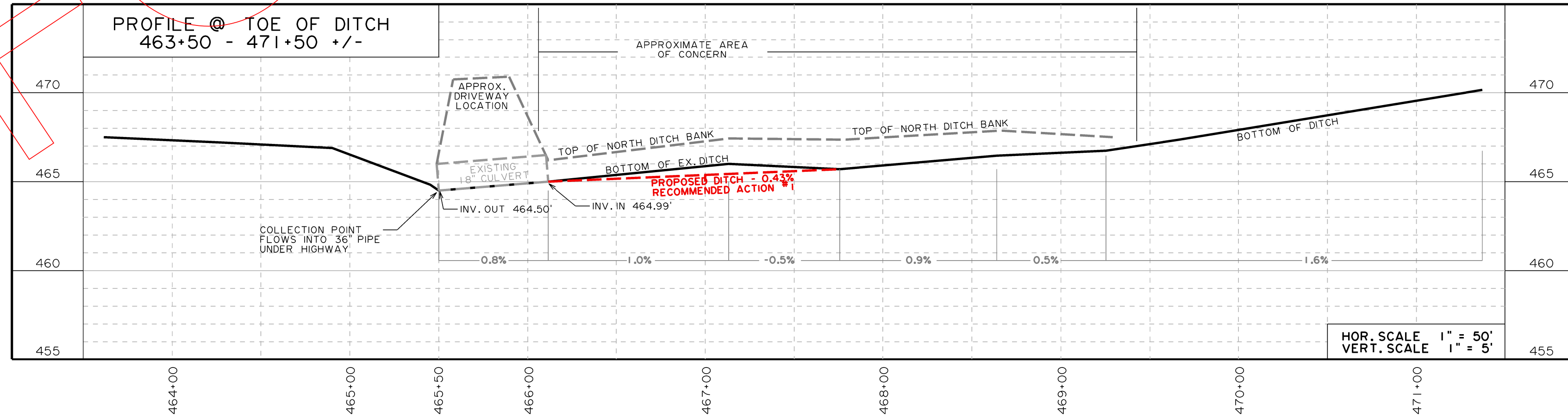
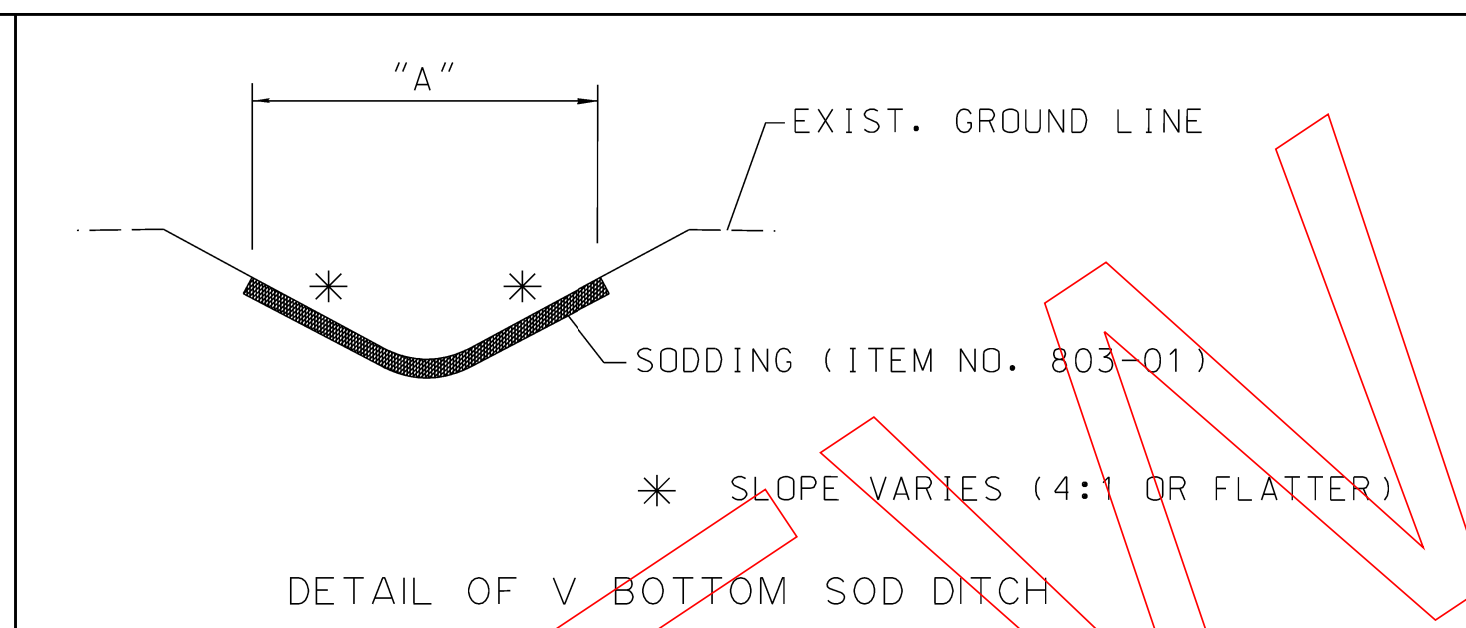
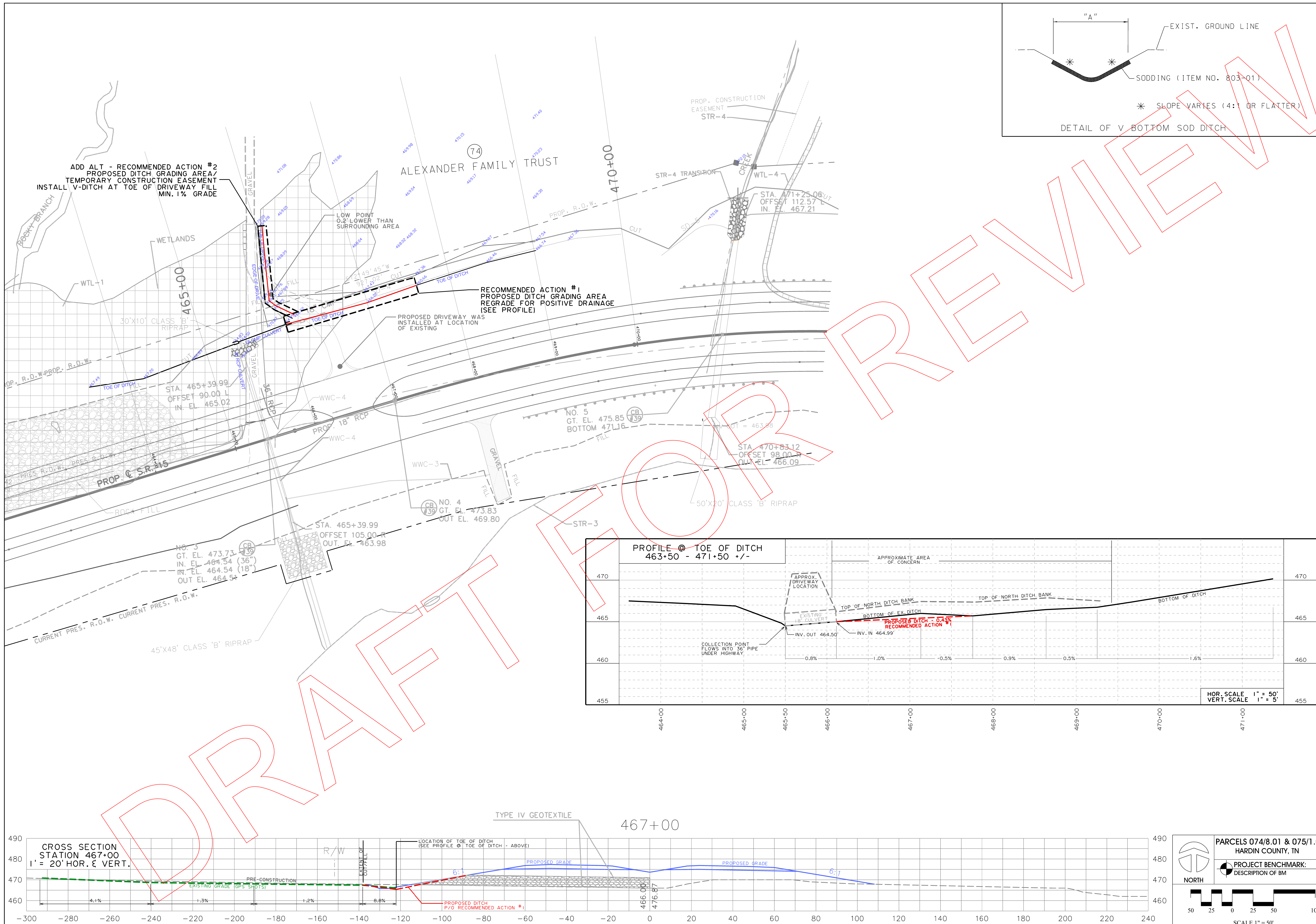
PRELIMINARY NOT FOR CONSTRUCTION

*Alisa C. Jimm* 5-3-21

**ALEXANDER - EASTERN COMPLAINT AREA**  
**ALEXANDER FAMILY - TRACT 3 & 74**  
**STATE ROUTE 15 (U.S. HWY. 64)**  
**TDOT PROJ. NO. 36001-3290-14**  
HARDIN COUNTY, TENNESSEE

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|----------------------------|---------------------|
| DATE                       | 4/15/21             |
| NO. / REVISION DESCRIPTION | 1 / INITIAL EDITION |
| DRAWN BY                   | BCF/JPP             |
| CHECKED BY                 | JBW                 |
| DATE                       | APRIL 2021          |
| <b>C1.00</b>               |                     |
| FILE NO.                   | 4804-20             |



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*[Signature]* 5-3-21

**ALEXANDER - WESTERN COMPLAINT AREA**  
**ALEXANDER FAMILY - TRACT 3 & 74**  
**STATE ROUTE 15 (U.S. HWY. 64)**  
**TDOT PROJ. NO. 36001-3290-14**  
HARDIN COUNTY, TENNESSEE

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| <b>C2.00</b>            |                      |         |
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