



# PUBLIC NOTICE

**File Number: NRS 16.150**

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Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

**PERMIT COORDINATOR:** Vena Jones (615)-253-5320 / vena.l.jones@tn.gov

**APPLICANT:** **TN Department of Transportation**  
c/o Michael White  
505 Deaderick Street  
Suite 900 JK Polk Building  
Nashville, TN 37243  
615-741-2613

**PROJECT DESCRIPTION:** The applicant is proposing to realign and widen North Pointe Road at the intersection of US 31. This activity will include the addition of lanes and incorporating safety improvements. The widening will require culvert extensions for a crossing and filling a low resource value wetland. This activity will require compensatory mitigation for impacts to 357 linear feet of stream. The applicant proposes to offset impacts by purchasing credits from the TN Stream Mitigation Program in the Lower Tennessee Service Area.

**IMPACTS:**

STR-1: Unnamed tributary to Rutherford Creek (TN06040003034\_2000)

Latitude 35.6673 Longitude: -87.0064

Existing Culvert: 194 feet of 96" Corrugated metal pipe (CMP)

Culvert Extension: 163 feet of 12' x 7' box culvert

Inlet wingwalls: 21 feet

Outlet wingwalls and riprap: 24 feet

Total impacts are cumulative and equal to 357 linear feet. Impacts to be mitigated through the TN Stream Mitigation Program; 357 credits are needed.

**WTL-1**

Latitude 35.4001 Longitude: -87.0023

Fill of 0.013 acres of low resource value wetland

No compensatory mitigation is required.

**LOCATION:** The proposed alterations to waters of the state are located along an unnamed tributary to Rutherford Creek at the North Pointe Road and US 31 intersection in Maury County. Latitude: 35.6673 Longitude: -87.0064

**WATERSHED / WATERBODY DESCRIPTION:** The proposed alterations to waters of the state are located in the The Lower Duck River Watershed is located in Middle Tennessee and includes parts of Dickson, Giles, Hickman, Humphreys, Lawrence, Lewis, Maury, Perry and Williamson counties. It drains approximately 1,548 square miles and empties to the Tennessee Western Valley Watershed.- See more at: <https://tn.gov/environment/article/wr-ws-lower-duck-river-watershed>

**Ecoregion:** Outer Nashville Basin (#71h)

**Watershed:** Rutherford Creek and unnamed tributary (#TN06040003034\_2000)

Designated Use	Use Support	Causes	Sources
livestock watering & wildlife	fully supporting		
irrigation	fully supporting		
recreation	fully supporting		
fish and aquatic life	fully supporting		
industrial water supply	fully supporting		
domestic water supply	fully supporting		

To view the proposed location of these impacts and the watershed condition visit: <http://tdeonline.tn.gov/dwr/>

**Assessment Date:** 2016

**DETERMINATIONS:** In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will result in degradation to water quality.

**FACTORS CONSIDERED:** In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

**COMMENTING:** Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

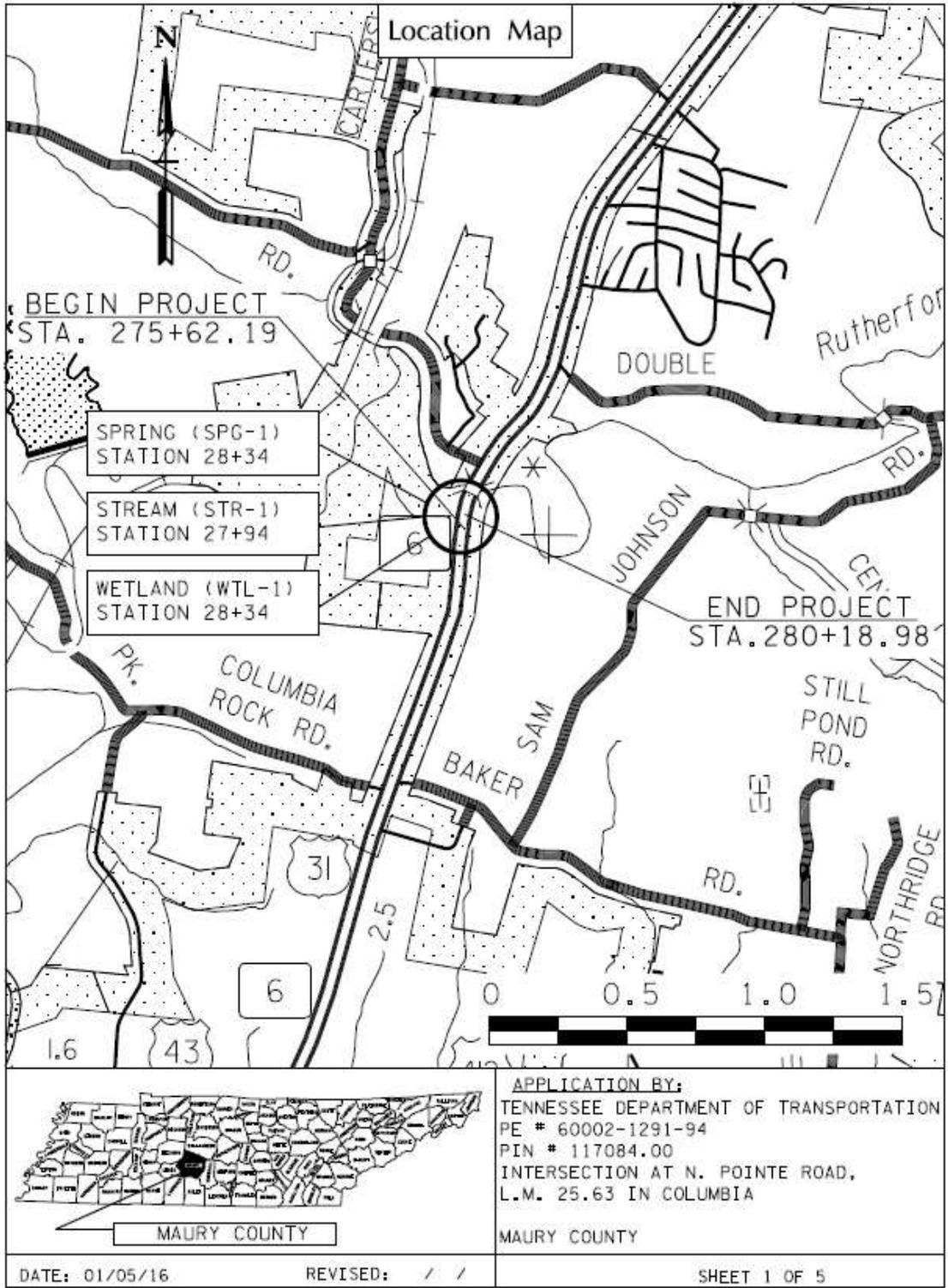
**PUBLIC HEARING:** Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

**APPEAL:** A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11<sup>th</sup> floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

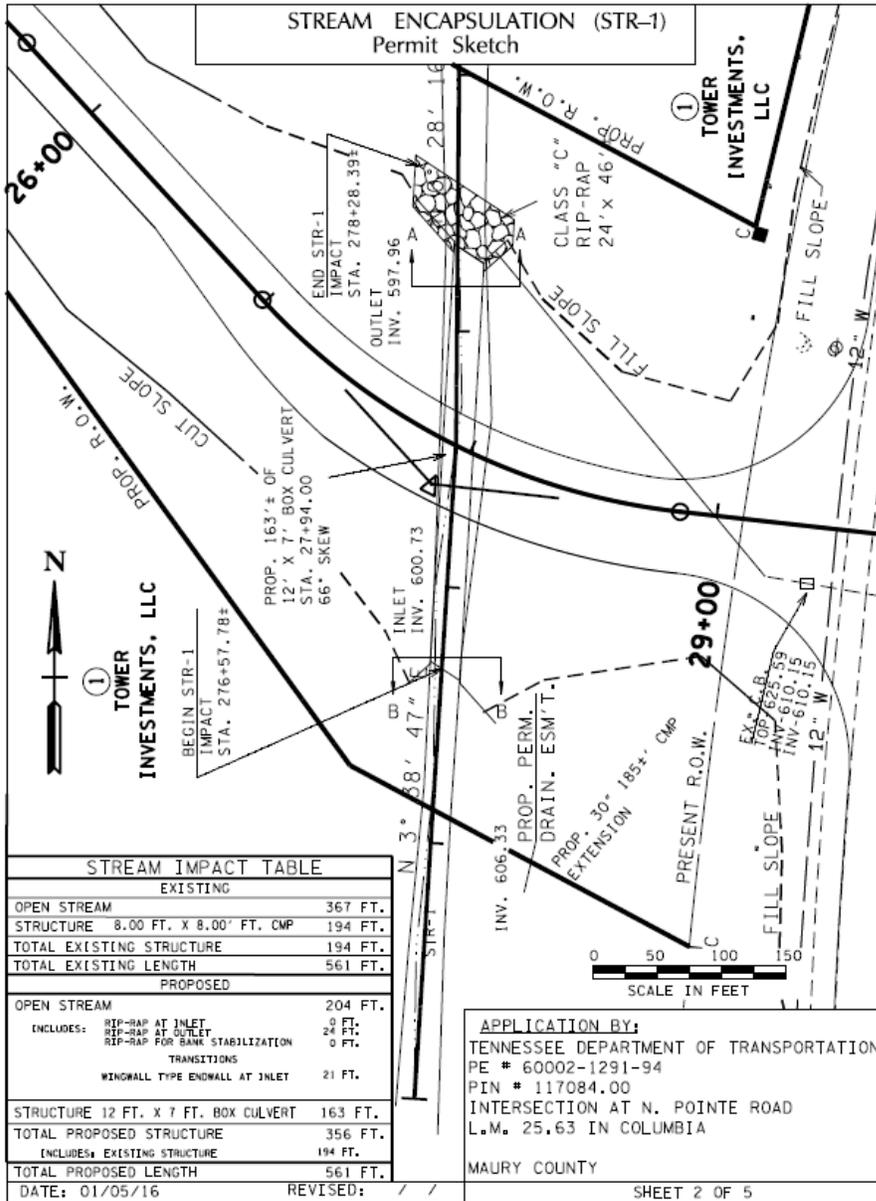
**FILE REVIEW:** The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying or visiting the TDEC website at <http://environment-online.tn.gov>

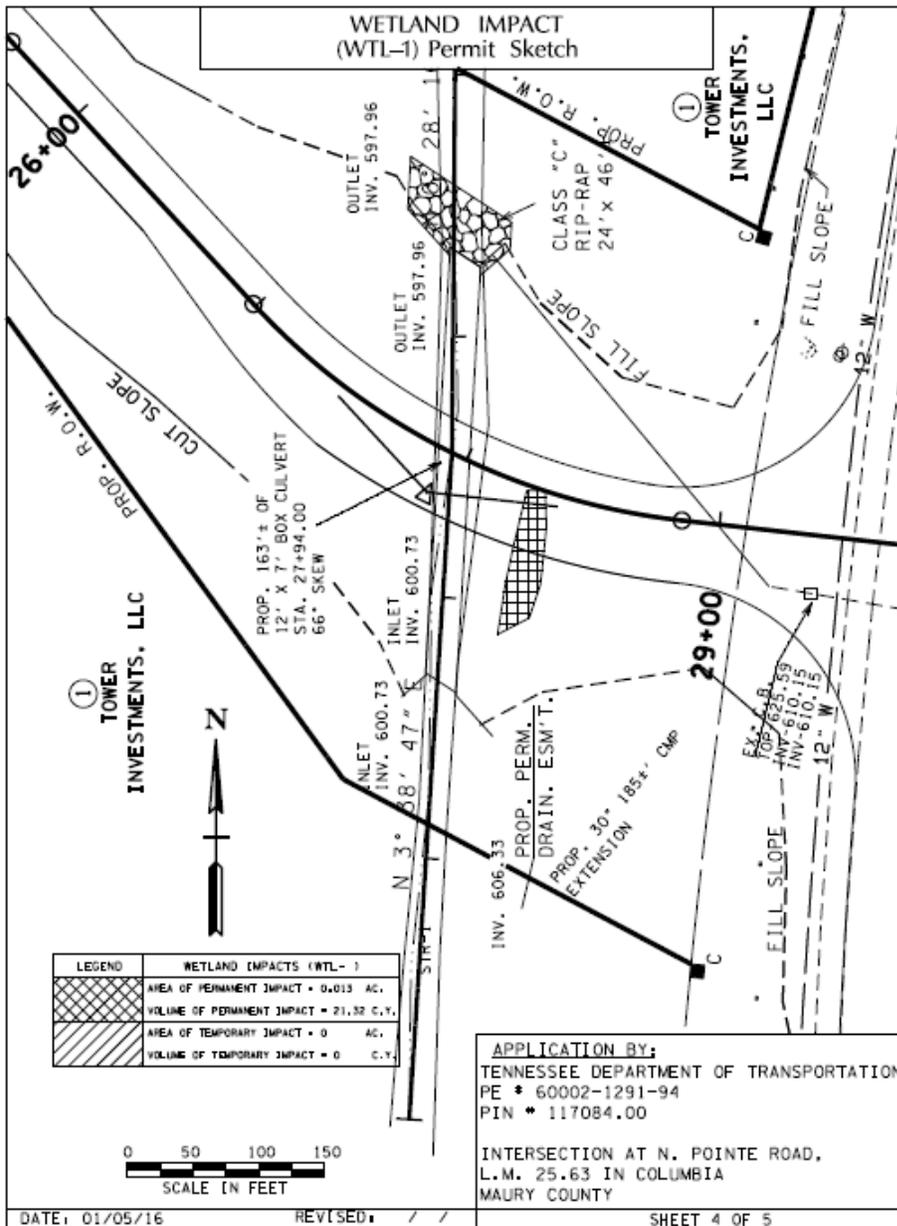
Tennessee Department of Environment & Conservation  
Division of Water Resources, Natural Resources Unit  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

**Location/Topographic Map**

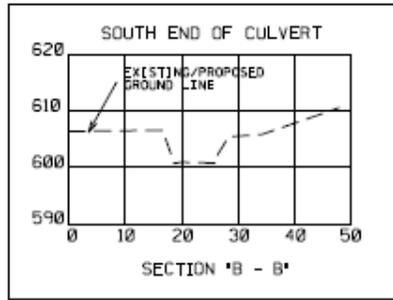
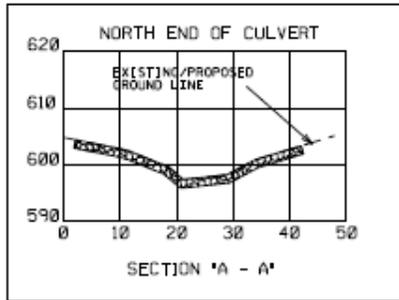
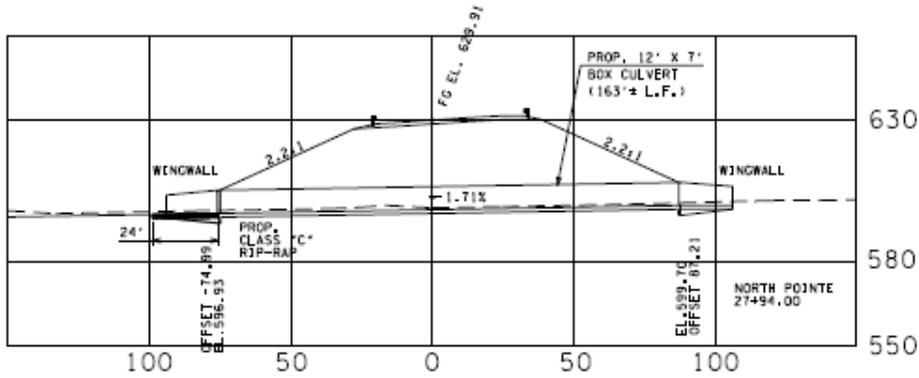


# Site Designs





Stream Encapsulation with Structure  
(STR-1) Permit Sketch



STATION	27+94.00
STRUCTURE	163' ± OF 12' X 7' BOX CULVERT
SKEW	66° 19' 26" RIGHT
DRAINAGE AREA	238.8 AC.
DESIGN DISCHARGE (050)	415 CFS
DESIGN DISCHARGE (0100)	474 CFS
INLET ELEVATION	599.70
OUTLET ELEVATION	596.93
V50	10.78 FT./SECOND
V100	11.58 FT./SECOND
STANDARD DRAWING NUMBERS	STD-17-13, STD-17-57
CLASS 'A' CONCRETE	279 C.Y.
STEEL BAR REINFORCING	53464 LB.

RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.

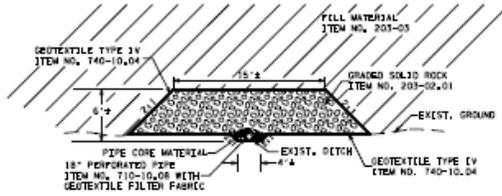
**APPLICATION BY:**  
 TENNESSEE DEPARTMENT OF TRANSPORTATION  
 PE # 60002-1291-94  
 PIN # 117084.00  
 INTERSECTION AT N. POINTE ROAD,  
 L.M. 25.63 IN COLUMBIA  
 MAURY COUNTY

DATE: 01/05/16

REVISED:

SHEET 3 OF 5

Permit Sketch



**FRENCH DRAIN DETAIL**  
 TO BE USED TO DRAIN SPR-1  
 STA. 28+35.58+ OFFSET 53.37' → LT.

**DETAIL NOTES:**

- 1) THE PERFORATED PIPE SHALL BE CORRUGATED DOUBLE WALL HDPE PIPE. GEOTEXTILE FILTER FABRIC IS INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PERFORATED PIPE.
- 2) THE PIPE CORE MATERIAL SHALL BE USED FOR PROTECTION OF PIPE USING A 1.5' MINIMUM ENVELOPE. PIPE CORE MATERIAL SHALL BE WASHED GRAVEL MEETING SIZE AND QUANTITY REQUIREMENTS OF ASTM D692 GRADING REQUIREMENTS FOR SIZE 6, 7, 8, 57 OR 78. PIPE CORE MATERIAL SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PERFORATED PIPE.
- 3) IF NEEDED, THE AREA OF SPR-1 MAY BE CONFIRMED BY CALLING RITA THOMPSON, TDOT ECOLOGY, AT (615) 253-2459 OR EMAILING RITA.W.THOMPSON@TN.GOV PRIOR TO CONSTRUCTION OF THE DRAIN.

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 MAURY COUNTY

DATE: 04/20/16

REVISED: / /

SHEET 5 OF 5