



Hamilton SR-8

Mandatory Pre-bid Meeting

9/11/26

Project Scope and Letting Information

- SR-8 (Signal Mountain Blvd) From near SR-27 (Suck Creek Road) to near Palisades Drive
 - 3 miles
 - Slope stabilization at various locations for rock fall mitigation; repairs and upgrades to culverts and other drainage features
 - Resurface SR-8
- Letting October 2nd, 2026
 - Prequalification
 - Must attend this meeting
- Completion Date
 - On or before 10/31/2028

Project Map



Purpose & Need

- Improve Safety
- Improve Reliability
- Reduce Potential Roadway Failures
- Improve Drainage



TDOT Commitments

- Lane closure language in 108B
- Coordination with First Responders and Local Route Users During Planned Closures
- Minimize Duration of Construction

Special Provision

- 107FP Environmental Permits
- 109A, 109B Fuel/Bituminous Adjustments
- 203E Scaling and Trimming
- 407IC IC for Hot Mix Asphalt (HMA)
- 607TP Trenchless Pipe Culvert Installation
- 624 Retaining Walls
- 707D Rockfall Slope Drape
- 707E PINNED ROCKFALL SLOPE MESH
- 730A Temporary Traffic Control (Signalization)
- 740D Geomembrane
- 790 Utility Specifications
- 108B

Project Overview

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING

HAMILTON COUNTY

STATE ROUTE 8 (US-127) FROM NEAR STATE ROUTE 27
(SUCK CREEK ROAD) TO NEAR PALISADES DRIVE (IA)(TMA)

PS&E
GRADE, DRAIN, PAVE, STRUCTURES, ROCKFALL MITIGATION

STATE HIGHWAY NO. 8 U.S. ROUTE NO. 127

DOES THIS PROJECT QUALIFY FOR U.S. DOT CHAPTER 86	YES ☒	NO ☐
WORK ZONE SIGNIFICATION DETERMINATION	YES ☒	NO ☐
ROAD INVOLVEMENT	YES ☒	NO ☐

TENN.	YEAR	SHEET NO.
	2026	1
PROJECT NO.	STP-8(52)	
DATE PREPARED	3/30/2023	1/1



NO EXCLUSIONS

33021-2231-14
END PROJECT NO. STP-8(52) R.O.W.
STA. 888+76.70
N 287420,9907 E 2164065,0222

33021-3231-14
END PROJECT NO. STP-8(52) CONSTRUCTION
STA. 891+00.00
N 287555,4249 E 2164245,7213

33021-2231-14
BEGIN PROJECT NO. STP-8(52) R.O.W.
STA. 738+32.66
N 281268,4772 E 2168150,5235

33021-3231-14
BEGIN PROJECT NO. STP-8(52) CONSTRUCTION
STA. 738+00.00
N 281240,8470 E 2168167,5153

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED APRIL 1, 2020 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

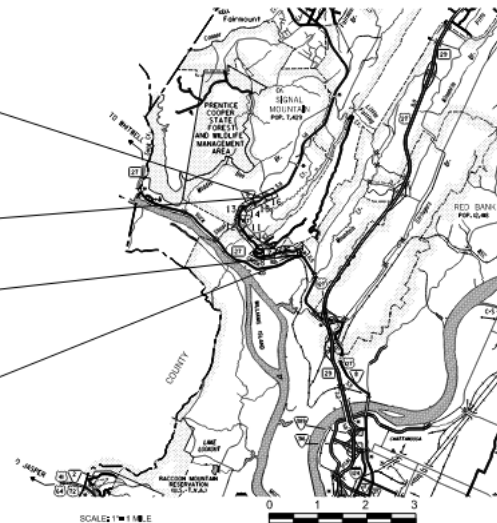
TDOT PROJECT MANAGER: CURTIS DUNCAN, P.E.

DESIGNED BY: ARCADES LLC, INC.

DESIGNER: JAMES FRITZ BROGDON, P.E. CHECKED BY: BRIN WOODSON, P.E.

P.E. NO. 33021-2231-14 (DESIGN)

P.E. NO. 12408920



R.O.W. LENGTH 2.849 MILES
ROADWAY LENGTH 2.897 MILES
BRIDGE LENGTH 0.000 MILES
BOX BRIDGE LENGTH 0.000 MILES
PROJECT LENGTH 2.897 MILES

SURVEY 09-20-17	TRAFFIC DATA
UPDATED 03-1-00	ADT (2020) 18040
UPDATED 05-04-00	ADT (2040) 17640
UPDATED 08-24-00	DHV (2040) 1940
UPDATED 10-07-00	D 7040
UPDATED 11-00-21	T (ADT) 11 %
UPDATED 03-20-22	T (DHV) 3 %
	V 40 MPH

COORDINATE VALUES ARE TENNESSEE STATE PLANE NAD83 (2011) AND ARE DATUM ADJUSTED BY THE FACTOR OF 1.000011, AND ARE REFERRED TO THE GEODIN REFERENCE NETWORK. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 UTM ZONE 18N DATUM, ORIGINATED ON 06-06-2017.

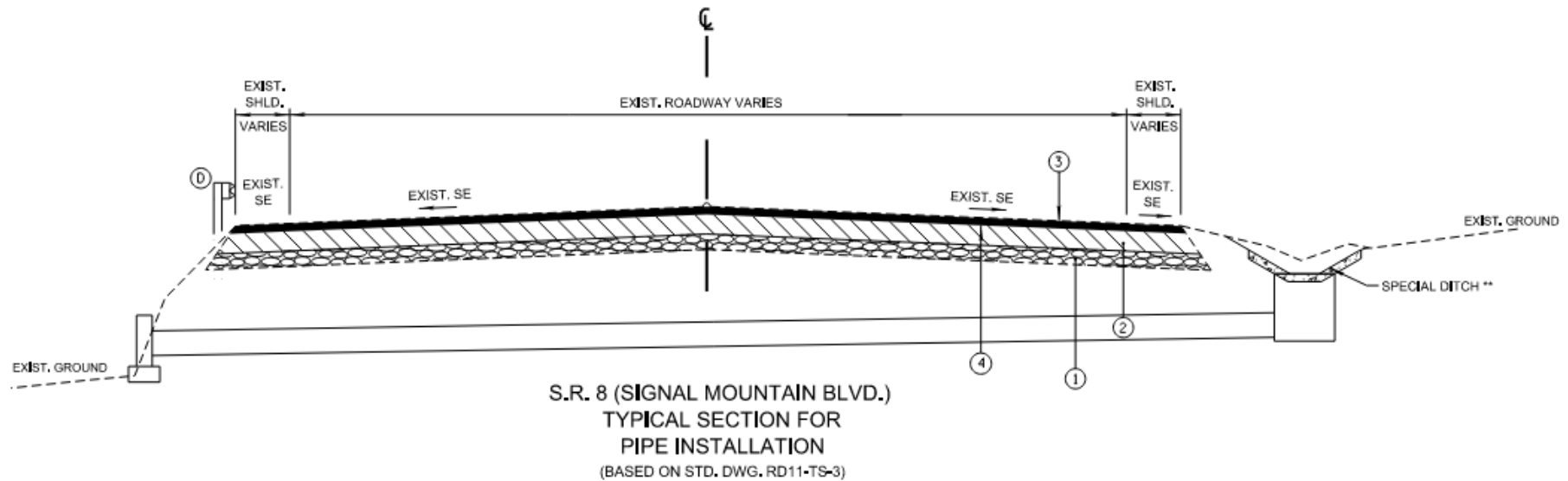
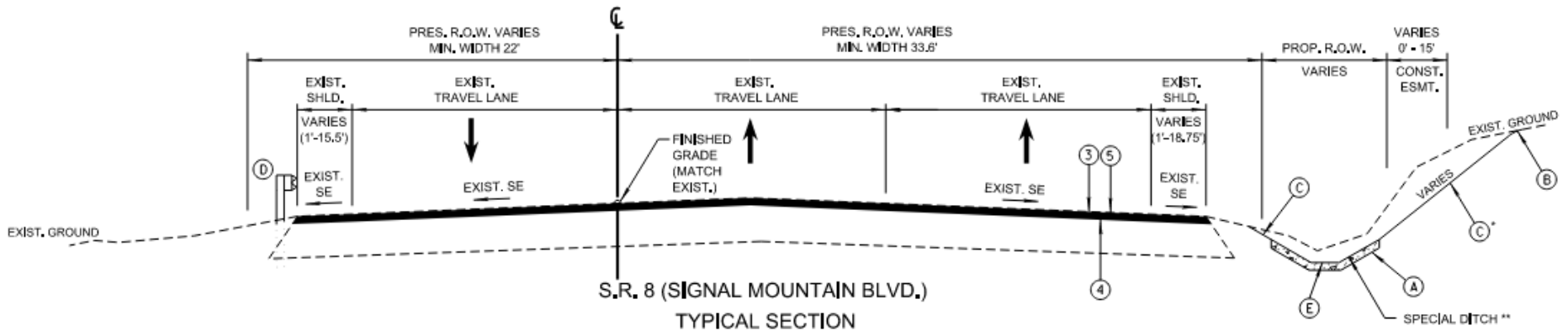
SEAL BY

APPROVED: SHANE HESTER, CHIEF ENGINEER

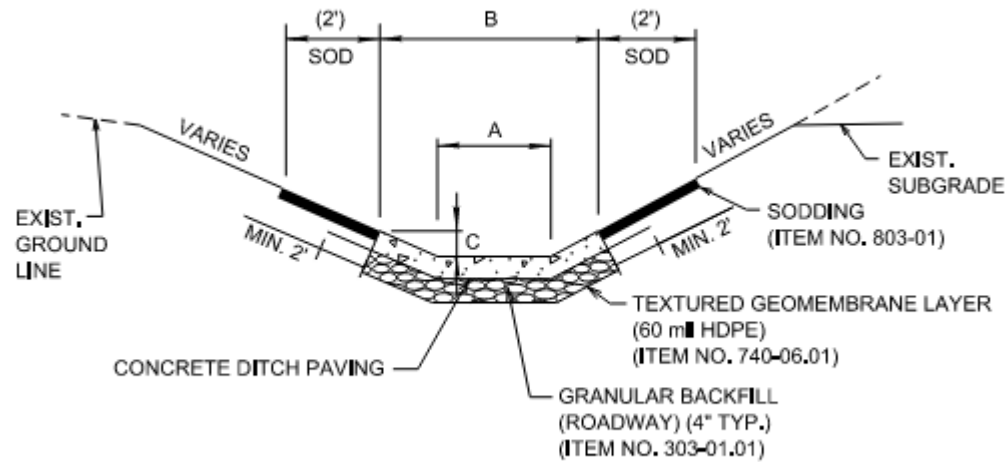
DATE:

APPROVED: BILL RIFE, COMMISSIONER

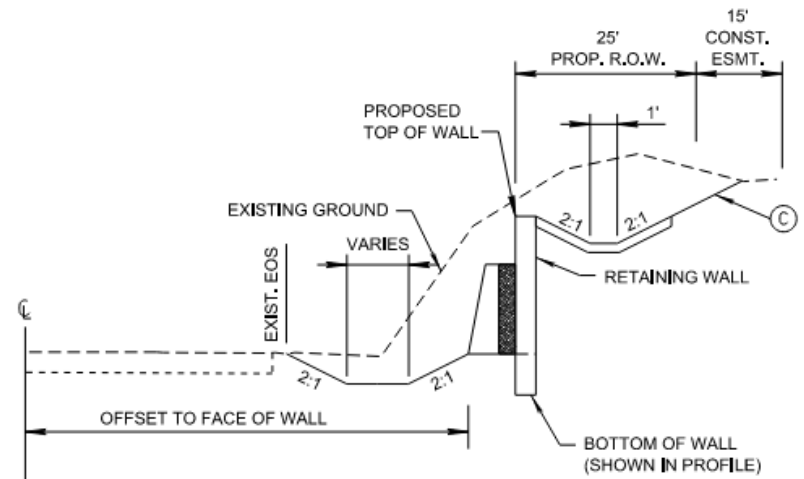
Typical Sections



Typical Sections

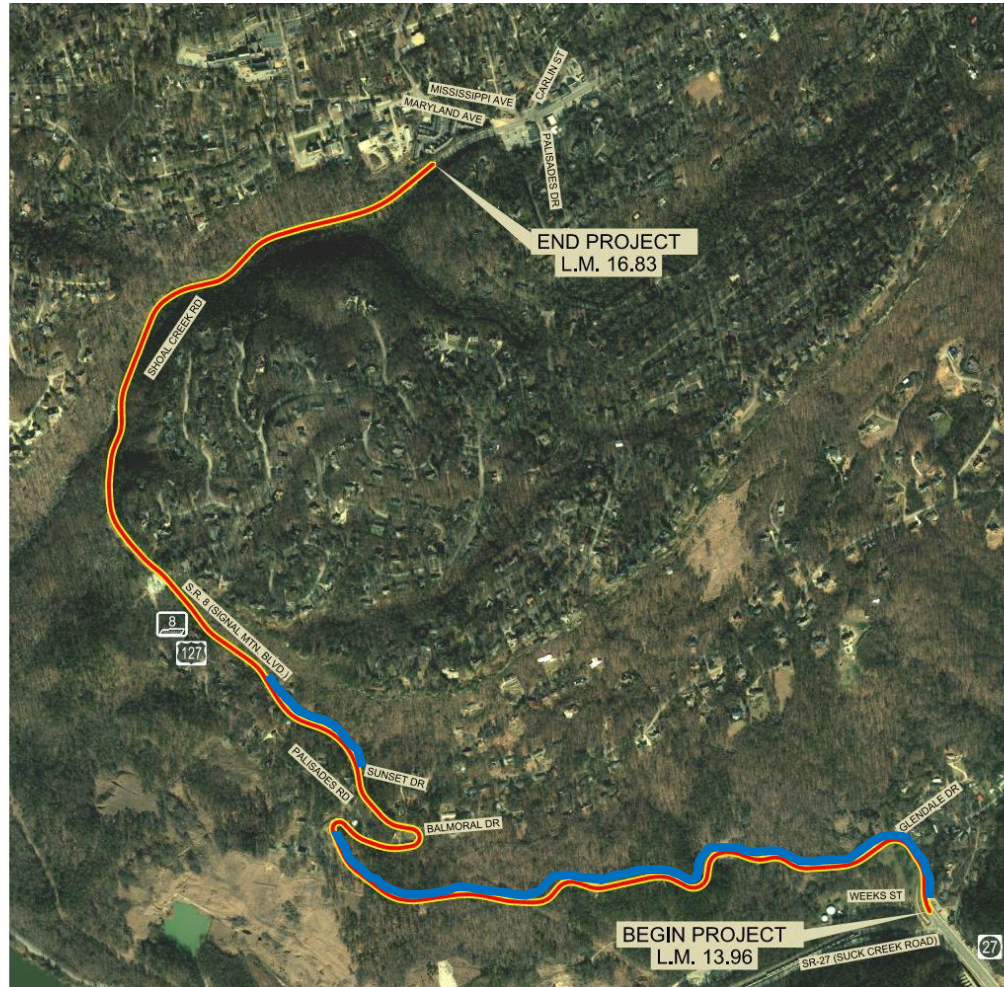


DETAIL OF T CONCRETE DITCH



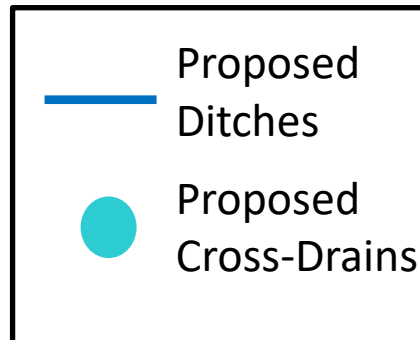
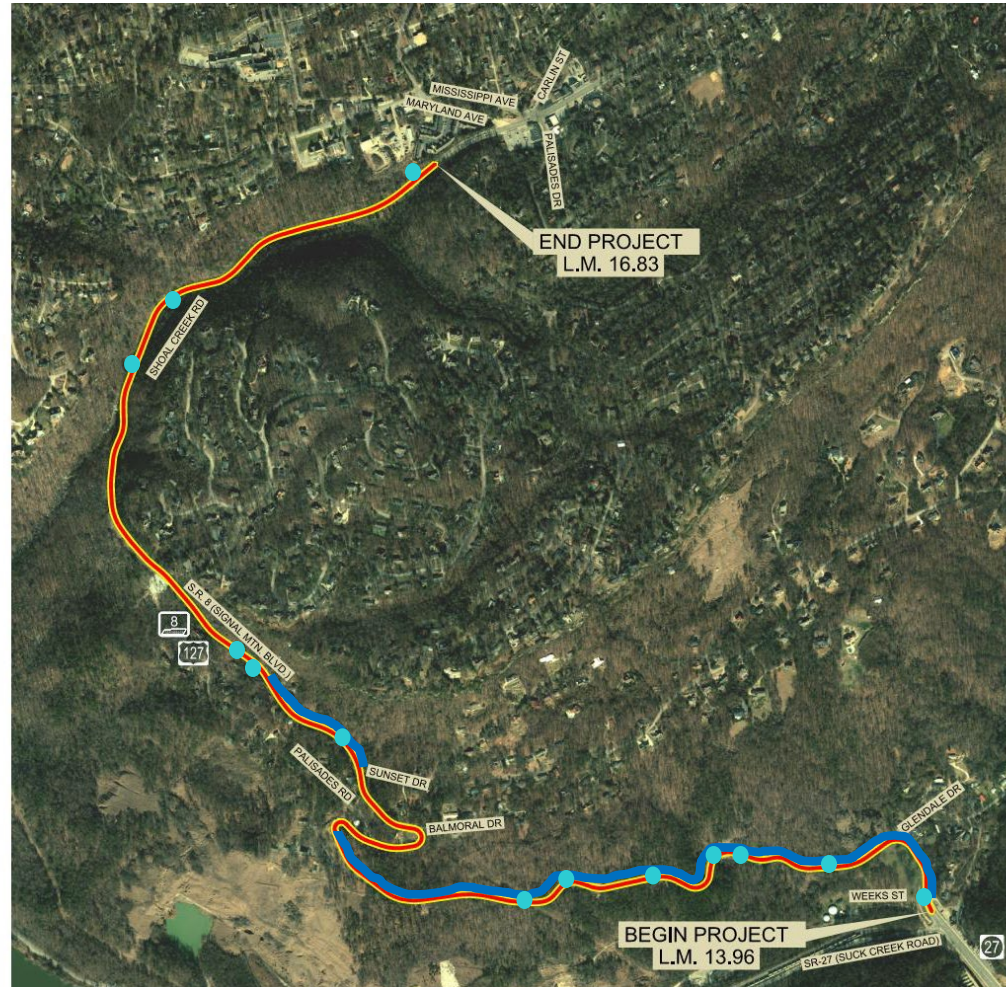
D-WALL DETAIL

Ditches & Cross-Drains

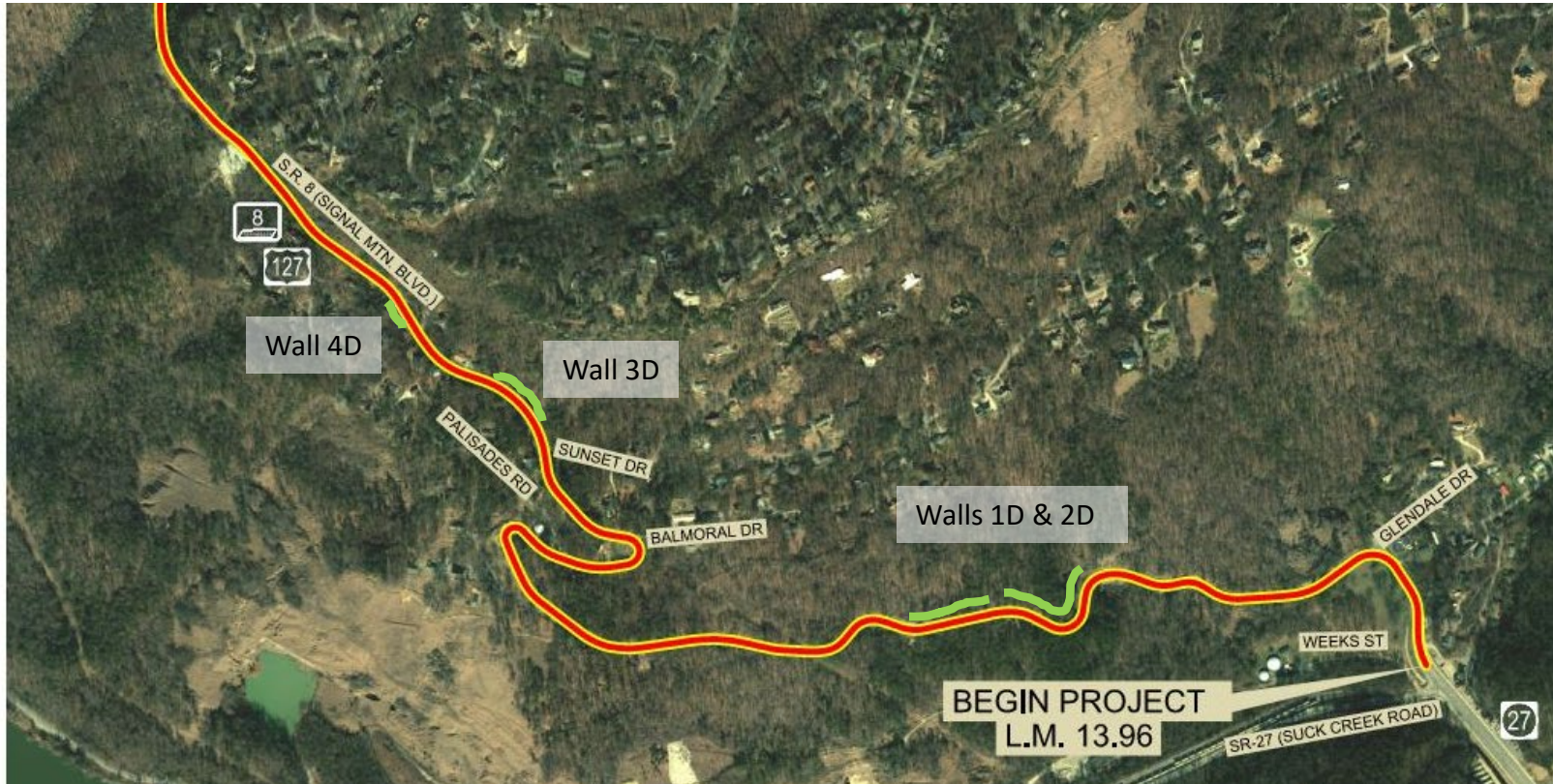


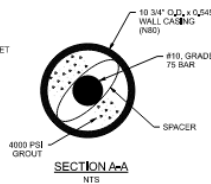
- Proposed Ditches
- Proposed Cross-Drains

Ditches & Cross-Drains

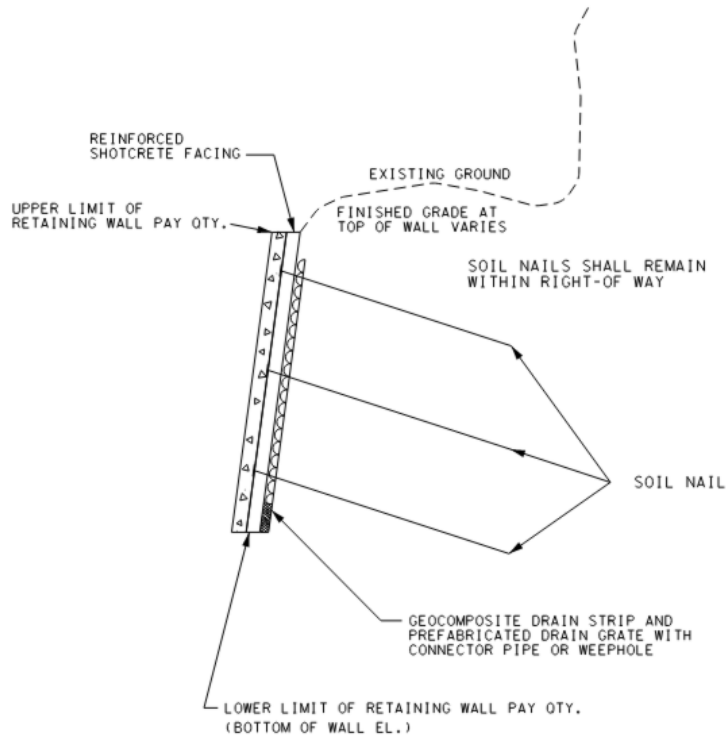


Retaining Walls



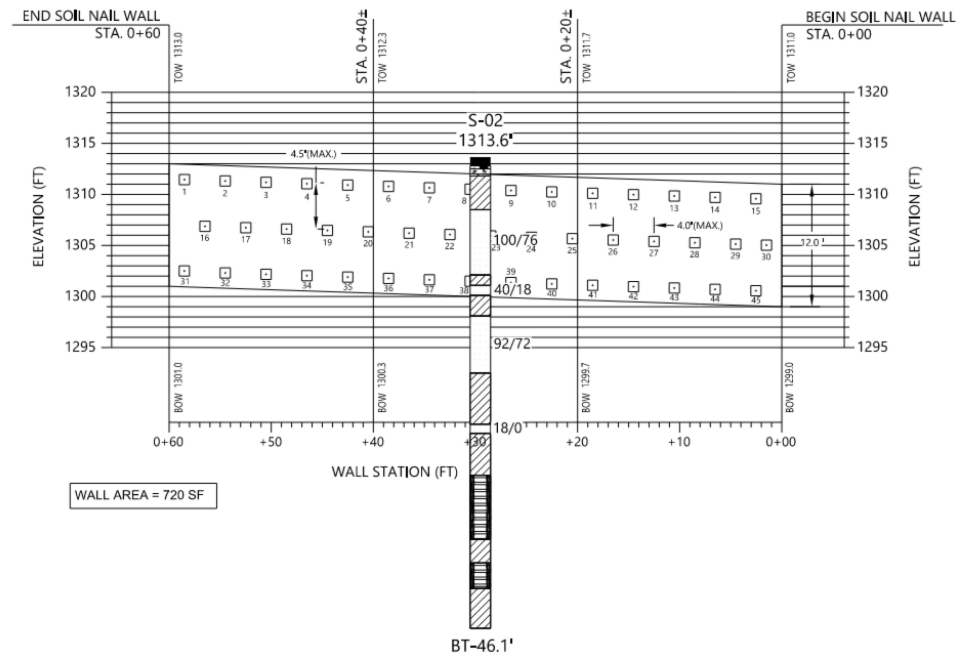


Retaining Wall 4D



WALL 4D TYPICAL SECTION

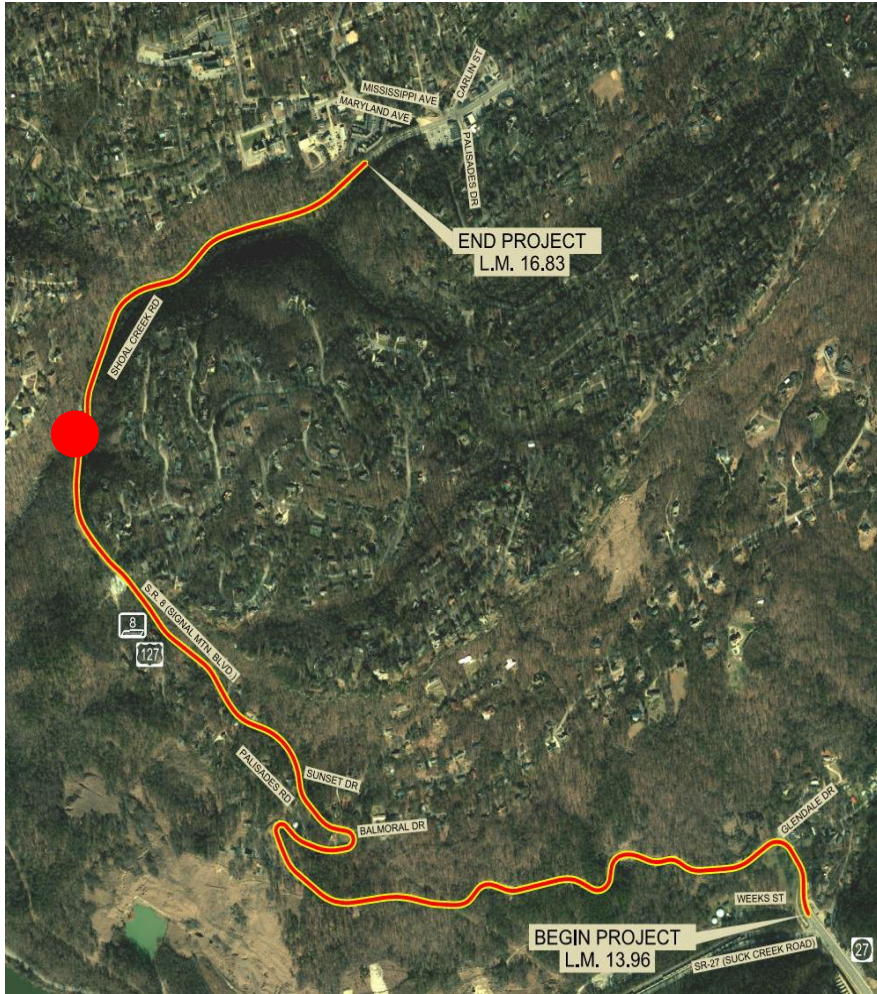
SCALE: NTS



Retaining Wall 4D



Gabion (Reno Mattresses)



Rockfall Mitigation



Rockfall
Mitigation

Traffic Control

GENERAL:

1. ALL EXISTING DITCHES, DRAINAGE PIPES, AND RELATED STRUCTURES SHALL REMAIN IN SERVICE UNTIL THE CORRESPONDING PROPOSED DITCHES, PIPES, AND STRUCTURES HAVE BEEN INSTALLED AND ARE FULLY OPERATIONAL. ONLY AFTER THE NEW DRAINAGE ELEMENTS ARE INSTALLED AND FUNCTIONAL MAY THE CONTRACTOR REMOVE THE EXISTING STRUCTURES THAT ARE BEING REPLACED.

2. DRAINAGE INSTALLATION OF PROPOSED DRAINAGE ELEMENTS SHALL BEGIN FROM THE LOWER ELEVATIONS AND PROCEED TO THE HIGHER ELEVATIONS.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH SIGNS USED FOR TRAFFIC CONTROL.

4. FLAGGERS SHALL BE UTILIZED FOR TEMPORARY LANE CLOSURE THAT REQUIRE REDUCING THE ROADWAY TO ONE LANE OF TRAVEL LANE TO FACILITATE THE PROPOSED ROADWAY WORK. ON LONG TERM CLOSURES, A TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE UTILIZED.

5. TEMPORARY TRAFFIC SIGNAL SHALL BE OF THE PORTABLE, TRAILER MOUNTED TYPE, THE TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE CAPABLE OF BOTH WIRED OR WIRELESS INTERCONNECT.

6. ALL ENVIRONMENTAL COMMITMENTS SHALL BE FOLLOWED DURING THE CONSTRUCTION PHASE.

PHASE 1

1. THE FOLLOWING WORK AREAS SHALL BE UTILIZED IN PHASE 1:

- WORK AREA 1: PROJECT BEGIN TO STA 770+00
- WORK AREA 2: STA 760+00 TO STA 784+00
- WORK AREA 3: STA 812+00 TO STA 824+00
- WORK AREA 4: STA 829+00 TO STA 843+00
- WORK AREA 5: STA 841+50 TO STA 856+25
- WORK AREA 6: STA 854+00 TO STA 872+00
- WORK AREA 7: STA 881+00 TO PROJECT END.

2. WORK IN WORK AREAS 1-3 SHALL BE COMPLETED IN A SEQUENTIAL MANNER, PROCEEDING 1 TO 3, ONLY ONE OF THESE WORK AREAS SHALL BE ACTIVE AT A TIME.

3. IN WORK AREAS 1-3, LANE SHIFTS, LANE CLOSURES, AND TEMPORARY TRAFFIC SIGNALS SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, GUARDRAIL AND COMPLETE DITCH WORK ON THE LEFT SIDE OF THE ROADWAY. 11' LANES SHALL BE UTILIZED IN THESE WORK AREAS.

4. WORK IN WORK AREAS 4-6 SHALL BE COMPLETED IN A SEQUENTIAL MANNER, PROCEEDING 4 TO 6, ONLY ONE OF THESE WORK AREAS SHALL BE ACTIVE AT A TIME. WORK IN WORK AREA 4-6 CAN BE PERFORMED WHILE WORK IS BEING PERFORMED IN EITHER WORK AREA 1 OR 2.

5. IN WORK AREAS 4-6, TEMPORARY TRAFFIC SIGNALS SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, GUARDRAIL, RETAINING WALLS AND COMPLETE DITCH WORK ON THE LEFT SIDE OF THE ROADWAY. 11' LANES SHALL BE UTILIZED IN THESE WORK AREAS.

6. WORK IN WORK AREAS 6-7 SHALL BE COMPLETED IN A SEQUENTIAL MANNER, PROCEEDING 6 TO 7, ONLY ONE OF THESE WORK AREAS SHALL BE ACTIVE AT A TIME. WORK IN WORK AREA 6-7 CAN ONLY BE PERFORMED ONCE WORK HAS BEEN COMPLETED IN BOTH WORK AREA 4 AND 5.

7. IN WORK AREAS 6-7, LANE SHIFTS, LANE CLOSURES, AND TEMPORARY TRAFFIC SIGNALS SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, AND COMPLETE DITCH WORK ON THE LEFT SIDE OF THE ROADWAY. 11' LANES WILL BE UTILIZED IN THESE WORK AREAS.

PHASE 2

1. THE FOLLOWING WORK AREAS SHALL BE UTILIZED IN PHASE 2:

- WORK AREA 1: PROJECT BEGIN TO STA 828+24
- WORK AREA 2: STA 828+24 TO STA 853+00
- WORK AREA 3: STA 853+00 TO STA 868+00
- WORK AREA 4: STA 868+00 TO PROJECT END

2. WORK IN WORK AREAS 1-4 SHALL BE COMPLETED IN A SEQUENTIAL MANNER, PROCEEDING 1 TO 4, ONLY ONE OF THESE WORK AREAS SHALL BE ACTIVE AT A TIME.

3. IN WORK AREA 1, LANE CLOSURES SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, GUARDRAIL, RETAINING WALLS AND COMPLETE DITCH WORK ON THE RIGHT SIDE OF THE ROADWAY. 11' LANES WILL BE UTILIZED IN THIS WORK AREA.

4. IN WORK AREAS 2-3, TEMPORARY TRAFFIC SIGNALS SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, GUARDRAIL, RETAINING WALLS, ROCKFALL MITIGATION, AND COMPLETE DITCH WORK ON THE LEFT SIDE OF THE ROADWAY. 11' LANES WILL BE UTILIZED IN THESE WORK AREAS. WORK IN WORK AREA 2-3 CAN ONLY BE PERFORMED ONCE WORK HAS BEEN COMPLETED IN WORK AREA 1, ONLY ONE OF THESE WORK AREAS SHALL BE ACTIVE AT A TIME.

5. IN WORK AREA 4, LANE SHIFTS AND LANE CLOSURES SHALL BE UTILIZED TO INSTALL PROPOSED CROSS DRAINS, ASSOCIATED DRAINAGES FEATURES, AND COMPLETE DITCH WORK ON THE RIGHT SIDE OF THE ROADWAY. 11' LANES WILL BE UTILIZED IN THIS WORK AREA. WORK IN WORK AREA 4 CAN ONLY BE PERFORMED ONCE WORK HAS BEEN COMPLETED IN WORK AREA 2 AND 3.

6. THE USE OF FLAGGERS, PHASED CONSTRUCTION, AND METAL PLATING MAY BE NECESSARY TO CONNECT CROSS DRAINS TO WORK PERFORMED DURING PHASE 1. COST OF PLATING SHALL BE INCLUDED IN OTHER ITEMS.

PHASE 3

1. PERFORM COLD PLANING, FINAL PAVING AND STRIPING ALONG SR 8 FROM STA 738+00 TO STA 891+00.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRAIN CHANNEL(S)
	SIGN CONSTRUCTION
	TRAFFIC FLOW
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR
	ARROW BOARD TYPE C
	ARROW BOARD TYPE C (SINGLE APPROACH)
	TEMPORARY BARRICADE (TYPE B)
	TEMPORARY SIGNAL

TYPE	YEAR	PROJECT NO.	SHEET
PH	2026	STP-6(52)	T2
PS&E	2026	STP-6(52)	T2

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIES TO THE TURN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 83 DATUM. SEE J204.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC
CONTROL PLANS

Questions?

