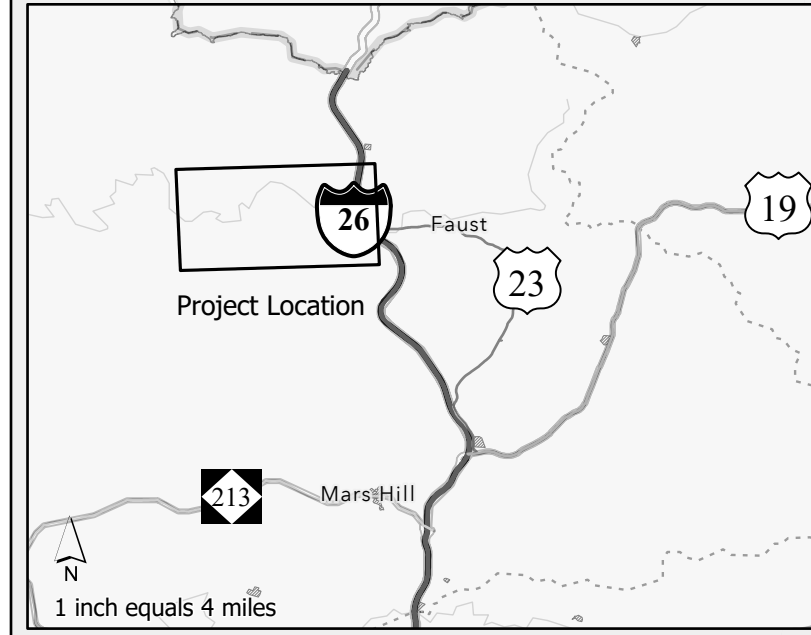
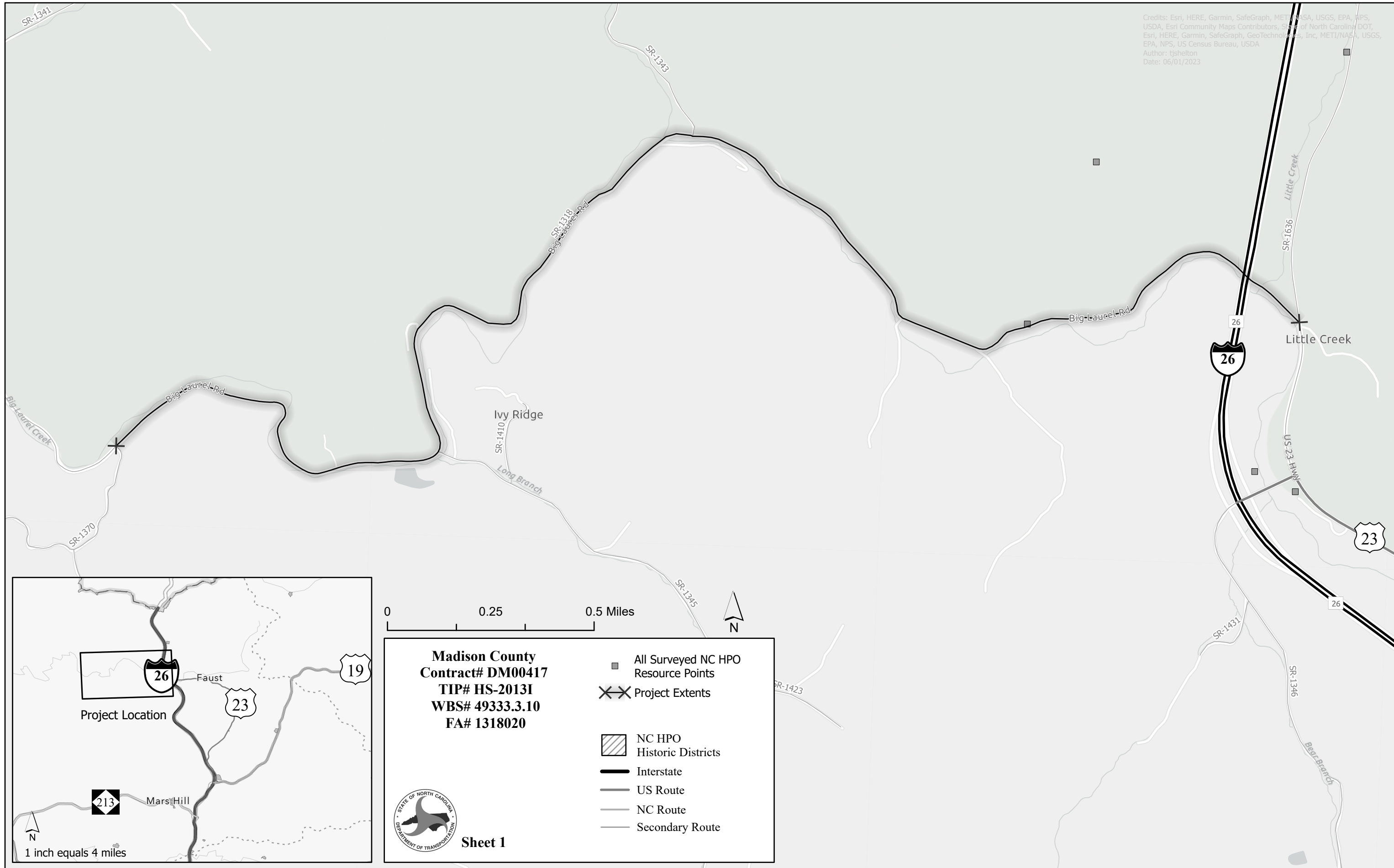



Credits: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA
 Author: tshelton
 Date: 06/01/2023



Madison County
Contract# DM00417
TIP# HS-2013I
WBS# 49333.3.10
FA# 1318020

- All Surveyed NC HPO Resource Points
- Project Extents
- NC HPO Historic Districts
- Interstate
- US Route
- NC Route
- Secondary Route



Sheet 1

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

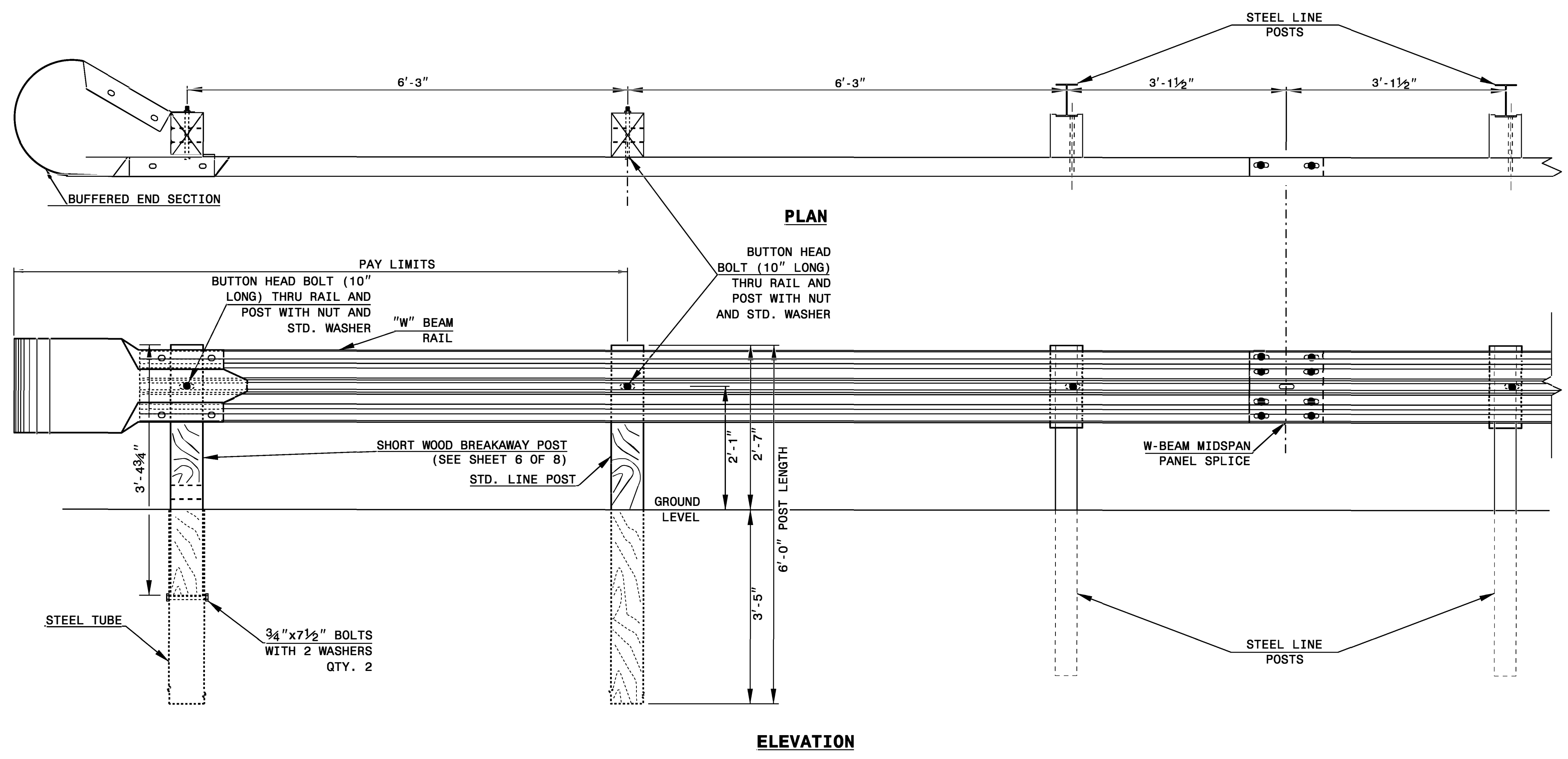
ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET OF

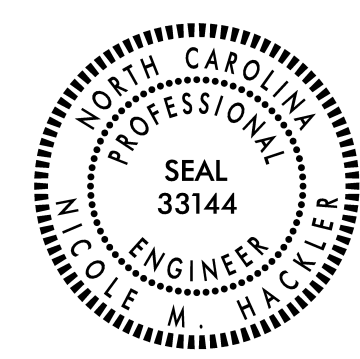
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET OF



TRAILING END UNIT ASSEMBLY
A.T. - 1 SYSTEM



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACTS STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

A.T. - 1 SYSTEM

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: _____

PROJECT NO.	SHEET NO.
49333.3.10	3

GUARDRAIL ITEM SUMMARY

LOCATION NO	ROUTE	DESCRIPTION	SHOULDER LT/RT	3045000000-E	3195000000-N	3287000000-N	3360000000-E	3420000000-E	3435000000-N	NOTES	
				STEEL BM GUARDRAIL, SHOP CURVED	GUARDRAIL END UNITS, TYPE AT-1	GUARDRAIL END UNITS, TYPE TL-3	REMOVE EXISTING GUARDRAIL	STRONG POST STEEL BEAM GUARDRAIL	EXTRA LENGTH GUARDRAIL POST (10' STRONG POST STEEL)		LF
1	SR-1318 (Big Laurel Rd)	APPROXIMATELY 0.17 MILES FROM SR 1370 (GRAPEVINE RD)	LT			2		187.5	15		
2	SR-1318 (Big Laurel Rd)	APPROXIMATELY 0.24 MILES FROM SR 1370 (GRAPEVINE RD)	LT			2		87.5	7		
3	SR-1318 (Big Laurel Rd)	APPROXIMATELY 0.62 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		425	34		
4	SR-1318 (Big Laurel Rd)	APPROXIMATELY 0.73 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		450	36		
5	SR-1318 (Big Laurel Rd)	BRIDGE #560259 (LONG BRANCH RD)	RT			4	137.5	137.5		Remove Existing Guardrail and Tie to Type 3 GRAUs	
6	SR-1318 (Big Laurel Rd)	APPROXIMATELY 1.10 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		1067.5	86		
7	SR-1318 (Big Laurel Rd)	APPROXIMATELY 1.38 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		125	10		
8	SR-1318 (Big Laurel Rd)	APPROXIMATELY 1.48 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		350	28		
9	SR-1318 (Big Laurel Rd)	BRIDGE # 560091 (BIG LAUREL RD)	LT/RT	25	1	3		250		Tie to Existing Steel Beam Guardrail	
10	SR-1318 (Big Laurel Rd)	APPROXIMATELY 1.93 MILES FROM SR 1370 (GRAPEVINE RD)	LT			2		350	28		
11	SR-1318 (Big Laurel Rd)	APPROXIMATELY 2.43 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		225	18		
12	SR-1318 (Big Laurel Rd)	APPROXIMATELY 2.51 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		800	64		
13	SR-1318 (Big Laurel Rd)	APPROXIMATELY 2.70 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		167.5	14		
14	SR-1318 (Big Laurel Rd)	APPROXIMATELY 2.78 MILES FROM SR-1370 (GRAPEVINE RD)	RT			2		475	38		
15	SR-1318 (Big Laurel Rd)	APPROXIMATELY 3.14 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		300	24		
16	SR-1318 (Big Laurel Rd)	APPROXIMATELY 3.30 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		487.5	39		
17	SR-1318 (Big Laurel Rd)	APPROXIMATELY 3.47 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		412.5	33		
18	SR-1318 (Big Laurel Rd)	APPROXIMATELY 3.65 MILES FROM SR 1370 (GRAPEVINE RD)	RT			2		837.5	67		
19	SR-1318 (Big Laurel Rd)	0.00 MILES FROM SR 1636	LT			2	100	100		Remove Existing Guardrail	
20	SR-1318 (Big Laurel Rd)	0.00 MILES FROM SR 1636	RT			2	300	300		Remove Existing Guardrail	
GRAND TOTAL				25	1	43	537.5	7,535	541		

NOTES: QUANTITIES ARE ESTIMATED AND MAY CHANGE ACCORDING TO ACTUAL FIELD CONDITIONS.
 THE ENGINEER SHALL FIELD MARK ALL PROPOSED GUARDRAIL AND END UNITS PRIOR TO BEGINNING CONSTRUCTION AT EACH LOCATION.
 INSTALL EXTRA LENGTH GUARDRAIL POSTS ACCORDING TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER.