RAL-GTPH6L3

COMPUTED BY:	CGM	DATE:	08/26/2024
CHECKED BY:	JJM	DATE:	08/26/2024

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-5726	3D-12

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
		1920	1921		607.6	607.0							116					X		X
L 234+18	71 LT	2108							40											
L 239+68	72 LT	2112							44											
L 239+65	70 RT	2117							44											
L 241+21	71 RT	2118							36											
L 248+29	71 RT	2219							40											
L 249+69	67 RT	2220							36											
L 251+26	60 RT	2221							40											
L 252+44	54 RT	2222							32											
Y4 15+10	31 LT	2401							32											
SHEET TOTALS									344				116							
PROJECT TOTALS									1184	336	104	40	320							

LINE & STATION	R. C. PIPE CLASS III 15	18	24	30	36		R. C. PIPE CLASS IV 15	18	24	30	36	42	48	R. C. PIPE CLASS V 24	30	36	42	48
SHEET TOTALS																		
PROJECT TOTALS	684	3764	2496	1228	284		5096	8044	944	336	120				176			

LINE & STATION	24" WELDED STEEL PIPE 0.25" THICK 50% IN SOIL, 50% NOT IN SOIL	30" WELDED STEEL PIPE 0.375" THICK IN SOIL	30" WELDED STEEL PIPE 0.375" THICK NOT IN SOIL	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G	
SHEET TOTALS														
PROJECT TOTALS	84	50	50	2.500			249	84.6		128	16	60	52	

LINE & STATION	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I.(W.S. FLAT)FRAME W GRATE STD. 840.20	G.D.I.(W.S. FLAT) FR W/2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FR W/ GRATE STD. 840.22	G.D.I.(W.S. SAG) FR W/ 2 GRATES STD. 840.22	G.D.I. (N.S. FLAT) FR W/ GRATE STD. 840.29	G.D.I.(N.S. FLAT) FR W/2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES & FRAMES STD. 840.33	T.B.J.B. STD. 840.34	
SHEET TOTALS																		
PROJECT TOTALS	46	20		46	46	9	45	7		10		47		4	7		5	

LINE & STATION	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54		CONV. EXIST. CB TO JB(SEE DETAIL SHEET 2C-11)	CONV. EXIST. CB TO DI(SEE DETAIL SHEET 2C-12)	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	BASIN OUTLET STR. (SEE DETAIL SHEET 2D-3)	TEMPORARY STEEL COVERS	FLOWABLE FILL CY	PIPE CLEAN OUT EA	CONCRETE / BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
L 239+68													71	
L 248+29													120	
Y4 15+10											1.0000			
SHEET TOTALS											1.0000		191	
PROJECT TOTALS		12		2	2			2	15		1.0000		1945	

ABBREVIATIONS

- **C.A.A.** CORRUGATED ALUMINIUM ALLOY
- **C.B.** CATCH BASIN
- **C.S.** CORRUGATED STEEL
- **D.I.** DROP INLET
- **G.D.I.** GRATED DROP INLET
- **H.D.P.E.** HIGH DENSITY POLYETHYLENE
- **J.B.** JUNCTION BOX
- **M.H.** MANHOLE
- **N.S.** NARROW SLOT
- **P.V.C.** POLYVINYL CHLORIDE
- **R.C.** REINFORCED CONCRETE
- **T.B.D.I.** TRAFFIC BEARING DROP INLET
- **T.B.J.B.** TRAFFIC BEARING JUNCTION BOX
- **W.S.** WIDE SLOT