RD-293517

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3826	3D-3

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)

ABBREVIATIONS

- C.B. — CATCH BASIN
- N.D.I. — NARROW DROP INLET
- D.I. — DROP INLET
- G.D.I. — GRATED DROP INLET
- G.D.I.(N.S.) — GRATED DROP INLET (NARROW SLOT)
- J.B. — JUNCTION BOX
- M.H. — MANHOLE
- T.B.D.I. — TRAFFIC BEARING DROP INLET
- T.B.J.B. — TRAFFIC BEARING JUNCTION BOX

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 8" HDPE	15"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	R.C. PIPE CLASS III 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 15"	18"	24"	30"	36"	42"	48"		15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	"TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')" LIN. FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	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 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M. H. FRAME AND COVER STD. 840.54	CONVERT EXISTING DROP INLET TO JUNCTION BOX W/ MANHOLE	FLOWABLE FILL (CY)	R.C. PIPE, CLASS III ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
-Y- 26+05	LT	1400		73.81																																										1			1			1																				
-Y- 26+30	LT	1400	1401		68.76	68.51																						52																																											56	REMOVE 24" RCP, DI
-Y- 26+55	LT	1401		73.46																																										1			1			1																				REMOVE JB
-Y- 26+55	LT	1401	1404		69.26	72.1																				20																																														
-Y- 27+30	LT	1401	1402		68.51	65.25																						148																																											45	REMOVE 24" RCP, JB
-Y- 28+05	LT	1402		70																																										1	0.25											1					1								6	REMOVE 15" RCP
-Y- 28+67	LT	1402	1406		64.75	64.13																							120																																										127	REMOVE 24" RCP, DI
-Y- 27+18	RT	1403																																									36																												48	REMOVE 24" RCP
-Y- 29+29	LT	1406		69.5																																										1	0.87											1					1								129	REMOVE 24" RCP, 36" RCP
-Y- 29+29	LT	1406	1405		63.63	66.26																								12																																						2 @ 36"				
-Y- 29+39	CL	1406	1409		63.63	63.22																								80																																					8.0					
-Y- 29+50	RT	1409		69.36																																										1	1.14																	1	1							
-Y- 29+97	RT	1409	1412		63.22	62.89																								92																																										
-Y- 26+56	RT	1407																																									24																												46	REMOVE 24" CMP
-Y- 29+30	RT	1408																																									32																												25	REMOVE 24" RCP, 36" RCP, JB
-Y- 30+50	LT	1410		70.14																																										1	0.11											1					1									
-Y- 30+49	LT	1410	1411		65.03	65			8																	8																																															
-Y- 30+48	LT	1411		71.1																																																														1	1						CONVERT DI to JB w/MH (SEE DTL 2C-1)
-Y- 30+44	RT	1412		69.62																																										1	1.73																	1	1							
-Y- 30+43	RT	1412	1413		62.89	62.62																								28																																									40	REMOVE 15" CMP
-Y- 31+60	RT	1416																																								32																													40	REMOVE 15" CMP
-Y1- 14+80	LT	1501																																							16																														20	REMOVE 15" RCP
-Y1- 15+24	LT	1502			76.04																																																																			192	OPEN END PIPE
-YI- 15+24	LT	1502	1503		76.04	75.05																																			104																															
-Y1- 16+25	LT	1503		78.07	75.05																																									1																		1								JB W/ SLAB LID
-Y1- 16+25	LT	1503	0912		75.05	74.82																																			84																															
-Y1- 17+07	LT	0912		77.84	74.82																																									1																		1								JB W/ SLAB LID
-Y1- 17+07	LT	0911	0912		75.06	74.82		12																																																																
-Y1- 17+07	LT	0911		76.73																																										1									1	1																	
-Y1- 17+07	LT	0912	0913		74.82	74.67																																			72																															
-Y1- 17+25	LT	0913			74.67																																																																				OPEN END
SHEET 3 TOTALS								12	8																	28		200	120	212											276	32	92			10	4.1		2			2			1	1		3					3	4	3	1	8.0	2 @ 36"			774	
SHEET 1 TOTALS									16																	172	260	556		112			44	60	88						448		28	3.4		12			8	2	2	4	2		3	3		1					1				3.0				1,260	
SHEET 2 TOTALS											192															608	620	676	112					84	80						124	60	20			9	2		6		3	3						2	1	2			1				1.8				746	
GRAND TOTAL								12	24		192															808	880	1432	232	324			44	144	168						848	92	140	3.4		31	6.1		16	2	5	9	2		4	4		6	1	2			5	4	3	1	12.8	2 @ 36"			2,780	
																																												SAY 3.5			SAY 7																					SAY 15				SAY 2800	