COMPUTED BY: GSBLELL DATE: 3/29/2012

CHECKED BY: AJFOSTER DATE: 4/16/2014

RD258193

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2519B	3D-22

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)

STATION / SIZE / THICKNESS OR GAUGE	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN 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	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"	48"	36 " R.C. PIPE (CLASS V)	42 " R.C. PIPE (CLASS V)	30" WELDED PIPE, .500" THICK, GRADE B	36" WELDED PIPE, .500" THICK, GRADE B	42" WELDED PIPE, .625" THICK, GRADE B	48" WELDED PIPE, .625" THICK, GRADE B	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 GRATE 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	SPRING BOX STD. 840.41	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	T.B.G.D.I. STD. 840.35	T.B.J.B. STD. 840.34	J.B. STD. 840.31 OR 840.32	PARALLEL PIPE END SECTION STD. 310.02 OR 310.04	M. H. FRAME AND COVER STD. 840.54	OT CATCH BASIN OR STD. 840D04 (SHEET 2C-10)	PREFORMED SCOUR HOLE	FLOWABLE FILL	J.B. STD. 840.52	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	CS PIPE 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
SHEET 34																																																																																			
-L- STA. 427+68	LT	3401		2751.62																																																1													1			1																
-L- STA. 428+30.27	LT	3401	3402		2746.87	2713.20																		132'																																																												REMOVE EXIST. CONCRETE DITCH
-L- STA. 428+30.28	LT	3402		2717.50																																																1																						1									
-L- STA. 428+97.5	LT	3402	3403		2713.20	2713.16						8'																																																																							
-L- STA. 430+20	LT	3405		2736.19																																																1													1				1															
-L- STA. 430+20	LT	3405	3404		2733.44	2725.40															36'																																																				1			2@15"				PLUG & FILL EXIST. 8" CM PIPE & CON. DITCH
-L- STA. 430+20	RT	3406		2736.19																																																1													1				1															
-L- STA. 430+20	RT	3406	3407		2733.44	2694.45															84'																																																				1			2@15"				PLUG & FILL EXIST. 8" CM PIPE & CONC. DITCH
-L- STA. 432+20	RT	3408		2721.36																																																1													1				1															
-L- STA. 432+20	RT	3408	3409		2718.61	2678.50															92'																																																					1			2@15"				PLUG & FILL EXIST. 8" CM PIPE
TEMPORARY PIPE (SEE TMP PLANS)																																																																																					
-L- STA 20+60	LT								64'																																																																											64'	
-L- STA 28+00	LT								88'																																																																											88'	
-L- STA 36+60	CL								72'																																																																											72'	
-L- STA 38+65	CL								92'																																																																											92'	
-L- STA 40+05	CL								92'																																																																											92'	
-L- STA 60+70	CL								100'																																																																											100'	
-L- STA 73+00	CL								172'																																																																											172'	
-L- STA 75+10	CL								96'																																																																											96	
-L- STA 80+00	CL								112'																																																																											112'	
-L- STA 83+55	CL								112'																																																																											112'	
-L- STA 98+35	CL								116'																																																																											116'	
-L- STA 110+35	CL								104'																																																																											104'	
-L- STA 132+90	CL								68'																																																																											68	
-L- STA 143+85	CL								144'																																																																											144'	
-L- STA 150+90	CL								184'																																																																											184'	
-L- STA 179+20	CL								100'																																																																											100'	
-L- STA 182+45	CL								116'																																																																											116'	
-L- STA 185+10	CL								96'																																																																											96'	
-L- STA 191+40	CL								72'																																																																											72'	
-L- STA 198+30	CL								72'																																																																											72'	
-L- STA 202+35	CL								92'																																																																											92'	
-L- STA 211+40	CL								104'																																																																											104'	
-L- STA 215+95	C								144'																																																																											144'	
-L- STA 223+00	C								108'																																																																											108'	
-L- STA 234+25	CL								96'																																																																											96'	
-L- STA 235+45	CL								92'																																																																											92'	
-L- STA 265+10	CL								96'																																																																											96'	
-L- STA 270+20	CL								96'																																																																											96'	
-L- STA 273+90	CL								100'																																																																											100'	
-L- STA 275+75	CL								80'																																																																											80'	
-L- STA 282+05	CL								92'																																																																											92'	
-L- STA 285+30	CL								92'																																																																											92'	
-L- STA 291+45	CL								100'																																																																											100'	
-L- STA 312+50	CL								100'																																																																											100'	
-L- STA 314+85	CL								100'																																																																											100'	
-L- STA 329+10	CL								76'																																																																											76'	
-L- STA 331+20	CL								76'																																																																											76'	
-L- STA 335+95	CL								76'																																																																											76'	
-L- STA 343+90	CL								72'																																																																											72'	
TOTALS									3864'			8'									212'			132'																												5													4			1	3						1		3			6@15"			3864'	

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.) — (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