RD258193

COMPUTED BY: GSBLELL DATE: 3/29/2012

CHECKED BY: AJFOSTER DATE: 4/16/2014

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2519B	3D-23

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)

Column headings: STATION / SIZE / THICKNESS OR GAUGE; LOCATION (LT, RT, OR CL)'; STRUCTURE NO. (FROM, 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

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

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN PIPE 15"	PIPE REMOVAL LIN. FT.	REMARKS
-L- STA 363+85	CL							80'	80'	
-L- STA 371+85	CL							92'	92'	
-L- STA 378+45	CL							88'	88'	
-L- STA 387+95	CL							80'	80'	
-L- STA 400+35	CL							80'	80'	
-L- STA 406+05	CL							72'	72'	
-L- STA 410+90	CL							100'	100'	
-L- STA 26+90	CL							56'	56'	
-L- STA 31+50	CL							56'	56'	
-L- STA 97+55	CL							80'	80'	
-L- STA 101+20	CL							76'	76'	
-L- STA 103+70	CL							96'	96'	
-L- STA 107+55	CL							64'	64'	
-L- STA 143+90	CL							176'	176'	
-L- STA 187+55	CL							92'	92'	
-L- STA 189+85	CL							80'	80'	
-L- STA 193+05	CL							64'	64'	
-L- STA 220+60	CL							68'	68'	
-L- STA 225+70	CL							64'	64'	
-L- STA 231+70	CL							68'	68'	
-L- STA 237+30	CL							72'	72'	
-L- STA 259+20	CL							80'	80'	
-L- STA 267+35	CL							68'	68'	
-L- STA 273+00	CL							88'	88'	
-L- STA 285+00	CL							112'	112'	
-L- STA 298+50	CL							72'	72'	
-L- STA 316+25	CL							64'	64'	
-L- STA 318+80	CL							64'	64'	
-L- STA 333+80	CL							80'	80'	
-L- STA 336+50	CL							64'	64'	
-L- STA 378+70	CL							84'	84'	
-L- STA 357+90	CL							72'	72'	
-L- STA 359+35	CL							60'	60'	
-L- STA 363+90	CL							76'	76'	
-L- STA 379+95	CL							88'	88'	
-L- STA 385+15	CL							80'	80'	
-L- STA 386+35	CL							68'	68'	
-L- STA 387+95	CL							72'	72'	
-L- STA 397+00	CL							68'	68'	
-L- STA 413+80	CL							76'	76'	
TOTALS								3140'	3140'	