CT REFERENCE NO.	SHEET NO.
R-5861	3D-12

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS REGIONAL TIER

Note: Invert Elevations indicated are for Information Purposes only and should be verified by the contractor for project construction stakeout.

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

LINE & STATION	OFFSET STRUCTURE NO. TOP ELEVATION	INVERT ELEVATION MINIMUM REQUIRED SLOPE	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC)			R.C. PIPE CLASS III		R.C. PIPE CLASS IV	PIPE AS NOTED	STD. 838.0 OR STD. 838.1 (UNLESS NOTED OTHERWIS	QUANTITIES QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COI A' + (1.3 X COL. B')		FRAME GRATE AND HO STANDA 840.03	S' D'S' O'S' S'S' O'S' O'S' O'S' O'S' O'	15 840.16 R 840.26 ID 8A0.27	NR 840.28 T GRATES STD. 840.20 VTES STD. 840.22 O GRATES STD. 840.24	AT GRATES. STD. 840.29 FT. STD. 840.30	3ICYCLE SAFE) SP DETAIL 2C-6). 840.54	D. (4" CONCRETE PAVED DITCH SY)	TION 310.02 STION 310.03 TION 310.04	F SARING DROP INLET	IO. & SIZE	C.Y. STD. 840.71	r. STD. 840.72	C.B. CATCH BASIN N.D.I. NARROW DROP INLET DROP INLET DROP INLET G.D.I. (NARROW SLOT) G.D.I.(N.S.) JUNCTION BOX J.B. MANHOLE M.H. TRAFFIC BEARING T.B.D.I. DROP INLET
SIZE THICKNESS OR GAUGE	PROM TO	% <u> </u>	12" 15" 18" 24" 30'	' 36" 42" 48"	DO NOT USE RCP-III DO NOT USE CSP DO NOT USE CAAP DO NOT USE HDPE, PP, OR PVC	' 15" 18" 24"	30" 36" 42"	48" 12" 15" 18" 24" 30" 36" 4	2" 48" Trenchless Installation Welded Steel	CU. YARDS	C.S.P. SO ER EACH (0' THRU 5.0')	THRU 10.0" A THE THRU 10.0" A THE THRU 10.0" A THE THRU 10.0" A THE THRU 10.0" A THRU 10.0" A	TYPE O	R H GOP INLET	I. STD. 840.14 OR STD. 840. I. FRAME AND GRATE STD. D.I. TYPE "A" STD. 840.17 CD.I. TYPE "B" STD. 840.18 CD.II. TYPE "B" STD. 840.18 CD.III. TYPE "B" STD.III. TYPE "B" STD.IIIII. TYPE "B" STD.III. TYPE "B" STD.IIIIII. TYPE "B" STD.IIII. TYPE "B" STD.IIII. TYPE "B" STD.IIII. TYPE "B" STD.IIII. TYPE "B" STD.IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	D.I. TYPE "D" STD. 840.19C D.I. FRAME WITH TWO FLA D.I. FRAME WITH TWO GRA	D.I. (N.S.) FR. WITH TWO FI RIVEWAY DROP INLET LIN. I. IN APPROACH SLAB STD B. STD. 840.31 OR 840.32 SJB STD. 840.34	B.D.I. STD. 840.36 FEEL GRATE AND FRAME (I.H. FRAME AND COVER STI	DJUST CB DJUST DI ERM DRAINAGE OUTLET SI	ONV JB TO OTCB " PARALLEL PIPE END SEC" " PARALLEL PIPE END SE "PARALLEL PIPE END SEC"	TCB Std 840.04 or 840.05 PECIAL DETAIL DROP INLE PECIAL DETAIL TRAFFIC BI PECIAL DETAIL CB	PECIAL DETAIL JB OWABLE FILL (CY) DRAINAGE PIPE ELBOWS N	ONC. & BRICK PIPE PLUG, (ONC. COLLARS CL. "B" C.Y	TRAFFIC BEARING T.B.J.B. JUNCTION BOX REMARKS
SHEET 19 (cont.) - L- 209+18.51 - L- 209+88.82 - L- 208+66.63 - L- 208+65.00 - L- 208+65.00 - Y12- 28+04.80 - Y12- 28+04.80	-90 LT 1909 1625.7 -95 LT 19EX2 1628.6 41 RT 1905 1626.9 RT 1905 1918 1604.8 118 RT 1918 1919 1604.5 111 RT 1919 2001 1604.2	1604.5 0.5% 1604.2 0.5% 1602.9 0.5%						80 84 360			1	5.0 12.0 5.0 7.4 5.0 8.9	1 1					1	1	5 1 1 C	1	33.8			SPECIAL DETAIL 2C-9 SPECIAL DETAIL 2C-5 SPECIAL DETAIL 2C-5 418
SHEET 20 - Y12- 31+11.79 - Y12- 31+11.79 - Y12- 31+25.00 - Y12- 31+25.00 - Y12- 31+53.87 - Y12- 31+11.79	-82 LT 2003 1606.5 LT 2003 2006 1594.5 53 RT 2006	1595.5				1	6 56		140		1	5.0 2.0						1			1	33.4		0.764	SPECIAL DETAIL 2C-12 SPECIAL DETAIL 2C-10 COLLAR AT BORE PIT
SHEET 21 - Y13- 10+14.72 -Y10B- 14+11.04 -Y10B- 11+14.14	LT 2101 1793.0 -28 LT 2102 -14 LT 2103	1789.2 0.4%	36 36 36			76																			51
SHEET TOTALS			0 72 0 0	0 0 0 0	0	0 0 76 1	6 0 56 0	0 524 0 0 0 0 0 0	0 0 140 0	0 0	0 5	20.0 30.3	1 0 2	0 0 0	0 0 0 0	0 0 0	0 0 0 0 0	0 0 3 (0 0 1 0	0 0 0 0	1 0 0 1	2 67.2 0 TOTAL 24 @ 15"	. 0	0.764	469
TEMP & DETOUR TOTALS FINAL TOTALS PROJECT TOTALS			0 1176 1104 84 173 0 2892 856 1544 28 0 4068 1960 1628 456	2 148 0 88 4 80 0 0 6 228 0 88	0 0	0 0 0 2908 2220 1872 2908 2220 1872	0 0 0 2 624 276 532 2 624 276 532	0 0 0 0 0 64 56 0 776 0 408 108 0 0 644 0 776 0 408 108 0 64 700 0	0 0 0 0 0 0 60 140 80 0 0 60 140 80 0	0 15.1 15	0 19 3.3 131 13 150	17.3 5.1 C 129.3 53.1 1 147 58 1	0 0 0 0 1 7 0 1 7	0 0 0 3 5 0 3 5 0	0 0 0 9 5 5 20 59 5 5 20 68	1 0 0 8 2 0 0 6 3 0 0 6	3 0 0 0 4 3 0 23 0 0 14 1 8 23 0 0 18 4	1 1 4 1 7 7 18 0 8 8 22 1	0 0 0 0 0 1 3 79 1 1 3 79 1	0 0 0 0 1 16 2 3 1 16 2 3	1 0 0 0 8 2 0 1 9 2 0 1	14 @ 18" 22 @ 24"	0 0.0	4.5 2532 0.8 2795 5.3 5327	



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