DJECT REFERENCE NO.	SHEET NO.
R-5861	3D-8

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 EL EVATION	INVERT ELEVATION INVERT ELEVATION MINIMUM REQUIRED SLOPE		(RCP, CSP	DRAINAGE PIPE P, CAAP, HDPE, or F	PVC)	R.C. PIPE CLASS III			R.C. PIPE CLASS IV			PIPE AS NOTED	STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)	QUANTITIES QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COI 'A' + (1.3 X COL.'B')		10.02 BANDALS CONCRETE TRANSITIONAL SECTION		0.15 D. 840.16 OR 840.26 OR 840.27	OR 840.28 AT GRATES STD. 840.20 AATES STD. 840.22	NO GRATES STD. 840.24 FLAT GRATES. STD. 840.29 I. FT. STD. 840.30	D. 840.13	BICYCLE SAFE) SP DETAIL 2C-6 D. 840.54	STD. (4" CONCRETE PAVED DITCH SY)	ECTION 310.02 ECTION 310.03	5TION 310.04	SEARING DROP INLET	NO. & SIZE	C.Y. STD. 840.71	Y. STD. 840.72	N. G. G.D.I M	D.I. NARROV	TCH BASIN W DROP INLET ROP INLET PROW SLOT) CTION BOX IANHOLE FIC BEARING ROP INLET	
SIZE THICKNESS OR GAUGE	FROM			12" 15"	18" 24" 30'	" 36" 42"	AD NOT USE RCP-III	NOT USE CAAP NOT USE HDPE, PP, OR PVC	15" 18" 2	30" 36"	" 42" 48"	12" 15" 18"	24" 30" 3	6" 42" 48"	36" 42" Trenchless Installation Welded Steel	CU. YARDS	EACH (0' THRU 5.0')	THRU 10.0' P AND ABOVE B T.14	STD. 840.01 OR STD. 840.01 OR STD. 84.01 OF	P INLET CH BASIN STD. 840.14 OR STD. 840	FRAME AND GRATE STI. 1. TYPE "A" STD. 840.17 1. TYPE "B" STD. 840.18	I. TYPE "D" STD. 840.19 I. FRAME WITH TWO GF I. FRAME WITH TWO GF	I. (N.S.) FRAME WITH TV I. (N.S.) FR. WITH TWO I FWAY DROP INLET LIN	N APPROACH SLAB ST STD. 840.31 OR 840.32 S STD. 840.34 D.I. STD. 840.36	EL GRATE AND FRAME FRAME AND COVER S' UST JB	UST CB UST DI M DRAINAGE OUTLET (V JB TO OTCB PARALLEL PIPE END SF PARALLEL PIPE END S	ARALLEL PIPE END SE B Std 840.04 or 840.05 CIAL DETAIL DROP INL	CIAL DETAIL TRAFFIC ECIAL DETAIL CBCIAL DETAIL JBCIAL DETAIL DETA	WABLE FILL (CY) AINAGE PIPE ELBOWS	C. & BRICK PIPE PLUG	C. COLLARS CL. "B" C.	REMOVAL LIN. FT.	J.B. JUNC	CTION BOX
SHEET 13 (cont.) - Y9- 13+08.00 - L- 130+50.00 - Y8- 11+05.00	LT 1315 RT 1310 LT 1312		1637.9 1635.4 0.4 1639.3 1635.3 0.4	60				- 8		4	44			6	50	3.4	PER	5.0' 1	B F G	DRO CAT	G.D. G.D.	G.D. G.D.	G.D. DRN	1.10 J.B. TBJE	STER M.H.	ADJII ADJIII	CON 1	24"P OTC	SPEC	7.4	NO O	COO	52 Flow Pipe (S	REMARKS ETAIL HW; SEE STRUC' See 54"> tab for secondar ED 0.6'	T PLANS. High ry pipe)
SHEET 14 - L- 142+09.00 - L- 142+09.92 - L- 144+00.00 - L- 144+00.00	48 RT 1404	1681.9 1678.8	1679.1 1673.4 0.8 1676.0 1674.0 0.5						84								1 1 1	0.0			1		1	1	1			1		4.6			SPECIAL D	ETAIL 2C-10	
- DR18- 10+95.75 - DR18- 10+95.75 - L- 145+65.00 - L- 145+65.00 - DR17- 10+50.00 - DR17- 10+50.00 - DR17- 10+47.85 - DR17- 10+47.85 - L- 147+02.47	RT 1404 1410 RT 1410 1418 25 RT 1406 RT 1406 1400 -12 LT 1408 LT 1408 1411 RT 1411 1411 RT 1409 1417	1683.8 1662.4 1663.0	1674.0 1666.3 0.9 1679.4 1679.0 0.5 1659.7 1659.5 0.5 1659.5 1659.0 0.4 1662.7 1662.3 0.5	% % 128					96 16 48	124							1 1 1				1		1 1 1 1 1 1							21			80		
- Y10A- 13+15.00 - Y10A- 13+15.00 - L- 149+50.00 - L- 149+50.00 - L- 151+70.00 - L- 151+70.00 - L- 149+50.00 - L- 149+50.00	51 RT 1417 RT 1417 1412 -32 LT 1416 LT 1416 1418 35 RT 1420 RT 1420 1420	1690.2 1697.1 1685.2	1657.0 1653.0 1.9 1687.4 1670.0 2.2 1694.1 1681.3 1.0 1681.3 1670.0 3.9	% 112 %	28		× × ×	*	220								1 1 1 1	5.0 1.7			1		1 1	1	1					2 @ 24 2 @ 15 2 @ 18			37		
SHEET 15 - L- 157+40.00	LT 1501 1503		1717.0 1716.9 0.4	%					28																										
- L- 159+00.00 - L- 159+00.00 - L- 158+65.00 - L- 158+65.00 - L- 157+30.00 - L- 157+30.00	-46 LT 1502 LT 1502 1517 -60 LT 1517 LT 1517 1503 -53 LT 1503 LT 1503 1504	1732.9 1731.5 1724.4	1730.1 1728.8 0.7	%	68 28	0 0 0	0	0	40 136 80 0 416 412	124 0 4	44 0 0	0 0	0 0 0	0 0 6	50 0 0	0 3.4		2.4	0 0 0				1 1 1 0 0 8 1 0	1 0 4 0	1 1 0 0 0 4 0	0 0 0) 0 1 0	0 1 0	0 0 0	2 @ 15" 2 @ 18" 2 @ 24" 33 6 TOTAL	0	0	230		

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