DJECT REFERENCE NO.	SHEET NO.
R-5861	30-5

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)							F	R.C. PIPE CLASS III				R.C. PIPE CLASS IV	:	PIPE AS NOT		D STD STD (UI	. 838.01 OR . 838.11 NLESS OTED ERWISE)	QUANTITIES QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COI 'A' + (1.3 X COL.'B')		AI	FRAME, GRATES, IND HOOD TANDARD 840.03	CONCRETE TRANSITIONAL SECTION	0.15 D. 840.16 OD 840.36	OR 840.27 OR 840.27	.AT GRATES STD. 840.20 RATES STD. 840.22 WO GRATES STD. 840.24	FLAT GRATES. STD. 840.29 4. FT. STD. 840.30 D. 840.13		(BICYCLE SAFE) SP DETAIL 2C-6 TD. 840.54	STD. (4" CONCRETE PAVED DITCH SY)	:TION 310.02	CTION 310.03	ET Bearing drop inlet		10. & SIZE	, C.Y. STD. 840.71	Y. STD. 840.72		C.B. N.D.I. G.D.I. G.D.I.(N.S J.B. M.H. T.B.D.I.	NARRO D GRAT (NA 3.) JU TRA D TRA	ATCH BASIN OW DROP INL DROP INLET ED DROP INL ARROW SLOT) INCTION BOX MANHOLE AFFIC BEARING DROP INLET	ET) G
SIZE THICKNESS OR GAUGE		FROM			12	2" 15"	18" 24" 3	30" 36"	42" 48	DO NOT USE RCP-III	DO NOT USE CAAP DO NOT USE HDPE, PP, OR PVC	12" 15"	18" 24	30" 36	' 42" 41	8" 12" 1	5" 18"	24" 30"	36" 42"		2" ss Installa ded Steel	ation Q	YARDS	PER EACH (0' THRU 5.0') 5.0' THRU 10.0'	FT.	C.B. STD. 840.01 OR STD. 84	TYPE OF GRATE	DROP INLET CATCH BASIN	D.I. STD. 840.14 OR STD. 840. D.I. FRAME AND GRATE STI	G.D.I. TYPE "B" STD. 840.18 G.D.I. TYPE "D" STD. 840.19 G.D.I. TYPE "D" STD. 840.19	G.D.I. FRAME WITH TWO FL G.D.I. FRAME WITH TWO GF G.D.I. (N.S.) FRAME WITH TV	G.D.I. (N.S.) FR. WITH TWO I DRIVEWAY DROP INLET LIN D.I. IN APPROACH SLAB ST	J.B. S.I.D. 840.31 OK 840.32 TBJB STD. 840.34 T.B.D.I. STD. 840.36	STEEL GRATE AND FRAME M.H. FRAME AND COVER S' ADJUST JB	ADJUST CB ADJUST DI BERM DRAINAGE OUTLET (CONV JB TO OTCB 15" PARALLEL PIPE END SE	18" PARALLEL PIPE END SE 24"PARALLEL PIPE END SE	SPECIAL DETAIL DROP INL SPECIAL DETAIL TRAFFIC E SPECIAL DETAIL CB	SPECIAL DETAIL JB FLOWABLE FILL (CY)	DRAINAGE PIPE ELBOWS	CONC. & BRICK PIPE PLUG	CONC. COLLARS CL. "B" C.	PIPE REMOVAL LIN. FT.	T.B.J.B.		INCTION BOX	
SHEET 8 - L- 62+40.00 -28 - L- 62+40.00 -L- 66+80.35 -29 - L- 67+75.00 -L- 67+46.05 33	LT LT LT LT RT	801 801 80 810 803 804			8.4 0.6% 6.8 0.6%	92	28						(64										1						1						1	1		4.8								
- DR8- 13+38.63 -DR8- 11+90.98 16 -L- 74+05.34 51	RT RT RT RT RT LT	805 806 809 807 807 812	1629.8	23.5 1620	9.0 1.8%	32 36	104			×	×			38										1						1		1				1	1		4.3 2	2 @ 15			62				
SHEET 9 - L- 85+50.00 - L- 85+00.00 - L- 85+00.00 - Y4- 14+08.66 - Y4- 14+10.00 30	LT LT LT LT RT	910 900 909 909 900 911 911	1659.1 6 165 2 1651.2	54.3 164 12.4 1642	4.3 1.6% 1.5 0.5% 2.0 0.5%		64			×	×		1	76										1 1 4.2									1	1 1	23				2	2 @ 24				See concrete ditu	ch spreadsheet		
- Y4- 14+10.00 - L- 83+30.00 - L- 83+30.00 - L- 82+00.00 - L- 82+00.00 - L- 84+48.00 - L- 84+48.00 - Y4- 12+83.54 - 10	RT LT LT LT LT RT RT	912 900 906 900 907 907 907 913 913 916	6 1649.3 1649.3 1645.5 1656.8	11.5 1640 10.6 1629	1.5 0.5% 0.6 0.5% 9.0 1.8% 3.2 1.8%	4(0 104	80		×	×		11	136									10.5	1 2.8						1		1	1	1					3 2 2.6 2	2 @ 30			30				
SHEET 10 - L- 93+80.00	LT	1001	170	00.6 169	4.0 0.4%														76			3.	4																3.6				34				
- L- 96+44.52 - L- 96+90.00 19 - L- 96+90.00 38 - L- 96+00.00	LT RT RT RT	1010 1012 1012 1000 1003 1003 1000	1726.2 3 1726.5	22.2 1702	2.0 0.4% 2.8 1.8% 6.3 0.4%	96	6			×	×	20		54								, U.		1 5.0						1		1	1	1			1		3.7 2				28				
SHEET TOTALS						0 316	6 104 196	80 (0 0	0		0 20	0 6	68 136	0 0	0 0	0 0	0 0	76 0	0 0	0	0 3.	.4 10.5	5 9 12.0	0.1	0 (0 0 0	0 0	0 0	0 3 1	0 0	3 0 0	4 0 1	1 4 0	0 0 23	0 0 2	0 3	0 0 0 0	2 @ 2 @ 0 0 53 10	නු 24" කු 30" 0 TOTAL	0	0	154				



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