NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	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	DO NOT USE PPP	DO NOT USE PVC	C. S. PIPE 15 .079	18 .079	24 .079	30 .079	36 .079	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	18" WELDED STEEL PIPE 0.25" THICK, GRADE B IN SOIL	18" WELDED STEEL PIPE 0.25" THICK, GRADE B NOT IN SOIL	24" WELDED STEEL PIPE 0.375" THICK, GRADE B IN SOIL	24" WELDED STEEL PIPE 0.375" THICK, GRADE B NOT IN SOIL	30" WELDED STEEL PIPE 0.50" THICK, GRADE B IN SOIL	30" WELDED STEEL PIPE 0.50" THICK, GRADE B NOT IN SOIL	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY
		0516	0517		831.5	829.4																							52														
Y1 28+97	8 LT	0517		833.0																																							
		0517	0519		829.4	828.7																							56														
Y1 29+40	50 RT	0518		829.7																																							
		0518	1002		825.6	825.2					88																																
Y1 29+52	8 LT	0519		832.2																																							
		0519	0520		828.7	822.2																							60														
Y1 26+50	76 LT	0521	0522		828.7	825.3																										120											
Y1 27+20	53 RT	0524							40																																		
L 34+76	68 LT	0526	0525		840.0	835.7																										120											
L 39+76	63 LT	0601	0602		844.8	842.5																										104											
L 50+47	67 LT	0603																																									
		0603	0604		858.5	844.6				40							X																										
L 50+47	30 LT	0604		847.8																																							
		0604	0605		844.6	843.9																								60													
L 50+47	30 RT	0605		849.7																																							
		0605	0606		843.9	842.7				36																																	
L 54+41	98 LT	0701																																									
		0701	0702		853.9	829.0				68							X																										
L 54+41	30 LT	0702		832.0																																							
		0702	0703		828.0	827.5																								60													
L 54+41	30 RT	0703		834.0																																							
		0703	0704		827.5	827.2																								28													
L 61+00	33 RT	0705		809.1																																							
		0705	0706		805.9	805.6																							48														
L 61+00	17 LT	0706		809.1																																							
		0706	0707		805.6	788.6			56								X																										
RPB 12+00	25 LT	0801		798.1																																							
		0801	0803		794.8	792.8																							84														
RPB 12+88	25 LT	0803		796.1																																							
		0803	0802		792.8	774.9			52								X																										
RPB 14+30	70 LT	0805																																									
		0805	0806		791.7	786.3				28							X																										
RPB 14+30	44 LT	0806		789.8																																							
		0806	0804		775.7	774.9							128																														
RPB 16+25	44 LT	0807		787.0																																							
		0807	0806		776.5	775.7							188																														
RPB 16+25	34 RT	0808		789.7																																							
		0808	0807		776.8	776.5																											80										
RPB 17+57	34 RT	0809		788.5																																							
		0809	0808		777.3	776.8							132																														
RPB 20+76	94 LT	0810																																									
		0810	0811		805.7	786.5						52					X																										
RPB 20+75	44 LT	0811		791.1																																							
		0811	0812		786.1	785.8																											80										
RPB 20+76	34 RT	0812		792.1																																							
		0812	0809		778.7	777.3							316																														
RPB 22+97	64 RT	0813		784.5																																							
		0813	0812		781.2	780.5			220																																		
RPB 24+75	44 LT	0814		798.3																																							
		0814	0815		795.0	791.4																							76														
LPB 16+87	39 LT	0815		794.7																																							
		0815	0813		791.4	781.2			184																																		
LPB 12+81	88 LT	0816		788.8																																							
		0816	0817		785.6	783.0																							52														
SHEET TOTALS (48" or Less)									552	172	88	52	764																428	148		344	160										

FROM	TO	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	5' THRU 10' (A) LIN. FT.	10' AND ABOVE (B) LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G		CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	15" SIDE DRAIN PIPE ELBOW	18" SIDE DRAIN PIPE ELBOW	30" SIDE DRAIN PIPE ELBOW	SPRING BOX STD. 840.41	BERM DITCH OUTLET STD. 850.10 (SY)	BERM DITCH OUTLET STD. 850.11 (SY)	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
0516	0517																																								
0517		1								1		1	1																												
0517	0519																																								
0518		1													1						1																				
0518	1002																																								
0519		1								1		1	1																												
0519	0520																																								
0521	0522																																								
0524																																									
0526	0525																																								
0601	0602																																								
0603																																			11						
0603	0604																															2									
0604		1													1							1																			
0604	0605																																								
0605		1	0.8												1							1																			
0605	0606																															2									
0701																																			11						
0701	0702																															2									
0702		1													1							1																			
0702	0703																																								
0703		1	1.5												1							1																			
0703	0704																																								
0705		1													1							1																			
0705	0706																																								
0706		1																						1			1														
0706	0707																														2										
0801		1													1			1																							
0801	0803																																								
0803		1													1			1																							
0803	0802																														2										
0805																																				31					
0805	0806																															2									
0806		1	5.0	4.1											1					1																					
0806	0804																																								
0807		1	5.0	0.5											1					1																					
0807	0806																																								
0808		1	5.0	2.9											1					1																					
0808	0807																																								
0809		1	5.0	1.2											1					1																					
0809	0808																																								
0810																																				31					
0810	0811																																2								
0811		1													1					1																					
0811	0812																																								
0812		1	5.0	3.4											1					1																					
0812	0809																																								
0813		1													1					1																					
0813	0812																																								
0814		1													1					1																					
0814	0815																																								
0815		1													1					1																					
0815	0813																																								
0816		1													1					1																					
0816	0817																																								
SHEET TOTALS (48" or Less)		21	27	12						2		2	2		18			2		10	1	5		1			1				4	8	2		22	62					

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLY ETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLY VINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT

U-6187

FINAL | 3D-2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DAVIE COUNTY

ROADWAY DESIGN UNIT

PREPARED BY

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