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RAL-GTPH6L3

COMPUTED BY: CGM DATE: 08/6/2024

CHECKED BY: JJM DATE: 08/6/2024

PROJECT NO.	SHEET NO.
U-3422A	3D-5

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	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Side Drain Pipe (RCP, CSP, CAAP, HDPE, PVC, or PP PIPE)								DO NOT USE PP PIPE	C. S. PIPE			R. C. PIPE CLASS III								R. C. PIPE CLASS IV								
									12	15	18	24	30	36	42	48		12 .064	15 .064	18 .064	12	15	18	24	30	36	42	48	12	15	18	24	30	36	42	48	
L 78+38	6	LT	0896		174.5																																
			0896	0815		171.2	169.4																							28							
L 81+80	6	RT	0897		179.0																																
			0897	0808		176.0	175.0																							28							
L 84+00	36	RT	0898		181.0																																
			0898	0819		176.4	175.0																								72						
L 81+26	36	LT	0899		177.0																																
			0899	0807		174.0	171.3																							176							
L 89+08	6	RT	0901		184.2																																
			0901	0902		179.0	178.0																56														
L 89+08	37	RT	0902		182.3																																
			0902	0814		172.0	171.4																			164											
L 90+47	37	LT	0903		182.5																																
			0903	0932		179.0	178.7																								88						
L 90+50	37	RT	0904		182.3																																
			0904	0902		172.4	172.0																			120											
L 91+75	37	RT	0905		181.9																																
			0905	0904		173.0	172.4																			124											
L 92+25	37	LT	0907		181.8																																
			0907	0910		178.4	177.6																								128						
L 93+00	37	RT	0908		181.6																																
			0908	0905		173.6	173.0																			124											
L 93+66	37	RT	0909		181.6																																
			0909	0908		173.8	173.6																			60											
L 93+54	37	LT	0910		181.6																																
			0910	0909		174.0	173.8																		72												
L 94+25	37	LT	0911		181.6																																
			0911	0910		174.7	174.0																		68												
L 96+60	37	LT	0912		182.6																																
			0912	0925		175.4	175.1																	120													
L 96+19	37	RT	0913		182.3																																
			0913	0909		178.4	175.3																								252						
L 98+51	37	RT	0914		183.6																																
			0914	0934		180.0	179.0																							88							
L 98+09	37	LT	0915		183.3																																
			0915	0912		175.9	175.4																	140													
L 100+00	37	LT	0916		184.9																																
			0916	0915		176.5	175.9																	196													
L 100+75	7	RT	0917		186.8																																
			0917	0918		182.8	182.2																							76							
L 100+00	7	LT	0918		185.9																																
			0918	0916		181.0	180.5																								28						
L 101+15	7	RT	0919		187.1																																
			0919	0917		183.1	182.8																							40							
L 93+54	51	LT	0921		181.8																																
			0921	0910		178.8	175.5																16														
L 98+51	60	RT	0922		180.3																																
			0922	0914		180.3	180.0																							24							
L 95+77	111	LT	0923		181.5																																
			0923	0925		177.7	175.6																	84													
							SHEET TOTALS															72	540	140	592				460	568						

FROM	TO	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE 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	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16
0896					1								1				1	1
0897					1								1				1	1
0898					1			1			1							
0899					1			1		1								
0901					1	0.2							1				1	1
0902					1	5.0	0.3	1		1								
0903					1			1			1							
0904					1	4.9		1		1								
0905					1	3.9		1		1								
0907					1			1			1							
0908					1	3.0		1		1								
0909					1	2.8		1	1									
0910					1	2.6		1	1									
0911					1	1.9		1		1								
0912					1	2.2		1		1								
0913					1			1			1							
0914					1			1			1							
0915					1	2.4		1		1								
0916					1	3.4		1		1								
0917					1								1				1	1
0918					1								1				1	1
0919					1								1				1	1
0921					1												1	1
0922																		
0923					1													
SHEET TOTALS					24	32.3	0.3	16	2	9	5		6				7	7

FROM	TO	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	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	15" C.S. ELBOW		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
0901																														69	Pipe Removal for all of Sheet 9
0922																															Open End Pipe
0923			1							1																					
SHEET TOTALS			1							1																				69	

ABBREVIATIONS

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 POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL 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