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USRAL3LT17006

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PROJECT NO.	SHEET NO.
R-3825B	3D-19

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 54 INCHES & OVER)

LINE & STATION	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %
L 27+13	81	RT	0514		247.6			
			0514	0503JB		240.3	237.8	
L 27+97	57	LT	0503JB		244.0			
			0503JB	0503-out		237.8	235.6	
L 46+95	85	RT	0613		195.7			
			0613	0615		191.2	190.5	1.2
L 46+95	57	RT	0615		200.0			
			0615	0701		190.5	184.1	0.4
L 49+28	50	RT	0701		191.0			
			0701	0724		175.7	174.9	0.4
L 49+28	100	LT	0724		186.0			
			0724	0704		174.9	163.4	1.6
L 80+28	57	RT	0909		176.2			
			0909	0923		166.9	165.6	
L 78+50	70	RT	0913		171.4			
			0913	0915		163.1	160.8	0.5
L 76+35	61	RT	0915		168.7			
			0915	0916		160.8	160.5	0.5
L 80+28	68	RT	0923		173.9			
			0923	0913		165.3	163.1	0.5
L 106+30	111	LT	1129		164.7			
			1129	1132		159.2	157.3	
L 106+76	51	LT	1132		164.6			
			1132	1130		157.3	152.6	
L 114+32	65	LT	1218		169.0			
			1218	out		145.8	143.9	
L 136+88	104	LT	1327		171.5			
			1327	1339		165.5	164.6	
L 136+58	61	LT	1339		172.4			
			1339	1340		164.6	162.4	
L 135+84	47	RT	1340		170.2			
			1340	1328		162.4	161.0	
L 155+86	150	LT	1504		171.0			
			1504	1523		166.5	163.6	
L 156+22	69	LT	1523		169.9			
			1523	1524		163.6	158.7	
L 156+86	70	RT	1524		165.0			
			1524	1505		158.7	155.1	
L 242+20	67	LT	2216		281.3			
			2216	2216_OUT		275.8	275.0	
L 114+10	1	RT						

(SIZE / THICKNESS OR GAUGE)

LINE & STATION	FROM	TO	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 54	60	66	72	78	84	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE 54	60	66	72	78	84
L 27+13	0514																		
	0514	0503JB																	
L 27+97	0503JB																		
	0503JB	0503-out																	
L 46+95	0613																		
	0613	0615	28									X	X						
L 46+95	0615																		
	0615	0701																	
L 49+28	0701																		
	0701	0724																	
L 49+28	0724																		
	0724	0704	52									X	X						
L 80+28	0909																		
	0909	0923			12							X	X						
L 78+50	0913																		
	0913	0915			216							X	X						
L 76+35	0915																		
	0915	0916			56							X	X						
L 80+28	0923																		
	0923	0913			172							X	X						
L 106+30	1129																		
	1129	1132																	
L 106+76	1132																		
	1132	1130																	
L 114+32	1218																		
	1218	out																	
L 136+88	1327																		
	1327	1339																	
L 136+58	1339																		
	1339	1340																	
L 135+84	1340																		
	1340	1328																	
L 155+86	1504																		
	1504	1523																	
L 156+22	1523																		
	1523	1524																	
L 156+86	1524																		
	1524	1505																	
L 242+20	2216																		
	2216	2216_OUT																	
L 114+10																			
SHEET TOTALS			80		456														
PROJECT TOTALS			80		456														

LINE & STATION	FROM	TO	R. C. PIPE CLASS IV 54	60	66	72	78	84	54" WELDED STEEL PIPE 0.75" THICK, GRADE B IN SOIL	54" WELDED STEEL PIPE 0.75" THICK, GRADE B NOT IN SOIL	66" WELDED STEEL PIPE 0.75" THICK, GRADE B IN SOIL	66" WELDED STEEL PIPE 0.75" THICK, GRADE B IN SOIL	72" WELDED STEEL PIPE 0.75" THICK, GRADE B IN SOIL	72" WELDED STEEL PIPE 0.75" THICK, GRADE B NOT IN SOIL	84" WELDED STEEL PIPE 0.75" THICK, GRADE B IN SOIL	84" WELDED STEEL PIPE 0.75" THICK, GRADE B NOT IN SOIL
L 27+13	0514															
	0514	0503JB							80	80						
L 27+97	0503JB															
	0503JB	0503-out	60													
L 46+95	0613															
	0613	0615														
L 46+95	0615															
	0615	0701	248													
L 49+28	0701															
	0701	0724							76	76						
L 49+28	0724															
	0724	0704														
L 80+28	0909															
	0909	0923														
L 78+50	0913															
	0913	0915														
L 76+35	0915															
	0915	0916														
L 80+28	0923															
	0923	0913														
L 106+30	1129															
	1129	1132			76											
L 106+76	1132															
	1132	1130									94	94				
L 114+32	1218															
	1218	out													90	90
L 136+88	1327															
	1327	1339				52										
L 136+58	1339															
	1339	1340											64	64		
L 135+84	1340															
	1340	1328				84										
L 155+86	1504															
	1504	1523	88													
L 156+22	1523															
	1523	1524							76	76						
L 156+86	1524															
	1524	1505	112													
L 242+20	2216															
	2216	2216_OUT									84	84				
L 114+10																
SHEET TOTALS			508		76	136			232	232	178	178	64	64	90	90
PROJECT TOTALS			508		76	136			232	232	178	178	64	64	90	90

LINE & STATION	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 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	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
L 27+13	0514				5.072											
	0514	0503JB														
L 27+97	0503JB				4.283											
	0503JB	0503-out														
L 46+95	0613			5.000												
	0613	0615														
L 46+95	0615				4.283											
	0615	0701														
L 49+28	0701				8.057											
	0701	0724														
L 49+28	0724				5.143											
	0724	0704														
L 80+28	0909				7.438											
	0909	0923														
L 78+50	0913				6.901											
	0913	0915														
L 76+35	0915				5.917											
	0915	0916														
L 80+28	0923				6.901											
	0923	0913														
L 106+30	1129			6.300												
	1129	1132														
L 106+76	1132				5.917											
	1132	1130														
L 114+32	1218															
	1218	out														
L 136+88	1327			7.100												
	1327	1339														
L 136+58	1339				11.800											
	1339	1340														
L 135+84	1340				11.800											
	1340	1328														
L 155+86	1504			5.000												
	1504	1523														
L 156+22	1523				5.090											
	1523	1524														
L 156+86	1524				5.090											
	1524	1505														
L 242+20	2216			6.300												
	2216	2216_OUT														
L 114+10																
SHEET TOTALS				29.700	93.692											
PROJECT TOTALS				29.700	93.692											

NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)

LINE & STATION	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	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	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	FLOWABLE FILL CY	PIPE REMOVAL LIN. FT.	REMARKS
L 27+13	0514		1								1												
	0514	0503JB																					
L 27+97	0503JB													1									
	0503JB	0503-out																					
L 46+95	0613																						
	0613	0615																					
L 46+95	0615													1						1			
	0615	0701																					
L 49+28	0701													1						1			
	0701	0724																					
L 49+28	0724													1						1			
	0724	0704																					
L 80+28	0909		1										1										
	0909	0923																					
L 78+50	0913		1								1												
	0913	0915																					
L 76+35	0915													1						1			
	0915	0916																					
L 80+28	0923		1								1												
	0923	0913																					
L 106+30	1129																						
	1129	1132																					
L 106+76	1132													1									
	1132	1130																					
L 114+32	1218																						See Plan Sheet 12.
	1218	out																					
L 136+88	1327																						
	1327	1339																					
L 136+58	1339													1									Special Detail Sheet 2C-7
	1339	1340																					
L 135+84	1340													1									Special Detail Sheet 2C-7
	1340	1328																					
L 155+86	1504																						
	1504	1523																					
L 156+22	1523													1									
	1523	1524																					
L 156+86	1524													1									
	1524	1505																					
L 242+20	2216																						
	2216	2216_OUT																					
L 114+10																					61		Existing 4 x 5 RCBC
SHEET TOTALS			4								3		1	10						4	61		
PROJECT TOTALS			4								3		1	10						4	61		

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

CONCRETE TRANSITIONAL SECTION