DL-2KYBDZ1

COMPUTED BY:	BNE	DATE:	9/18/2014
CHECKED BY:	CJT	DATE:	4/22/2015

PROJECT NO.	SHEET NO.
R-2915B	3D-3

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	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) 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 PVC	C. S. PIPE (SE: SHOP ELONGATED) 12 .064	15 .064	18 .064	24 .064	30 .079	36 .079	42 .109	48 .109	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48
Y10 13+26			0715			2878.0	2874.2																																	60				
Y10 15+84	50	LT	0716		2896.0																																							
			0716	0718		2896.0	2879.4	0.8			28					X																												
Y10 15+00	23	LT	0717		2882.4																																							
			0717	0718		2879.7	2879.4		84																																			
Y10 15+84	23	LT	0718		2886.8																																							
			0718	0719		2879.4	2879.0																										76											
L 201+50	12	LT	0720		2883.8																																							
			0720	0721		2881.0	2879.6																																48						
L 201+50	59	LT	0721		2882.4																																							
			0721	0801		2879.6	2876.4		252																																			
DR3 19+69			0722						48							X																												
L 204+00	59	LT	0801		2879.2																																							
			0801	0802		2876.4	2876.3																																48						
L 204+00	11	LT	0802		2880.6																																							
			0802	0803		2876.3	2870.8	0.4																															84						
L 204+00	74	RT	0803		2870.8																																							
L 206+50	58	LT	0804		2876.6																																							
			0804	0805		2873.9	2873.7																																48						
L 206+50	11	LT	0805		2878.1																																							
			0805	0806		2873.7	2868.7	0.3																															84						
L 206+50	74	RT	0806		2868.7																																							
L 209+23	82	LT	0807		2877.0																																							
			0807	0809		2877.0	2870.2	0.5			20					X																												
L 210+06	64	LT	0808		2874.0																																							
			0808	0809		2871.3	2871.0		84																																			
L 209+23	61	LT	0809		2874.5																																							
			0809	0810		2870.2	2868.4	0.4																																	136				
L 211+27	58	LT	0811		2874.5																																							
			0811	0813		2871.8	2871.6																																48						
L 210+50	8	LT	0812		2875.9																																							
			0812	0813		2872.8	2871.6																																76						
L 211+27	8	LT	0813		2874.8																																							
			0813	0814		2871.6	2867.4	0.4																															84						
L 211+27	74	RT	0814		2867.4																																							
L 213+45	8	RT	0815		2875.0																																							
			0815	0816		2871.8	2868.3																																68						
L 216+75	4	RT	0901		2872.8																																							
			0901	0906		2869.6	2867.9																																40						
L 218+07	2	RT	0902		2872.4																																							
			0902	0904		2869.3	2868.5																																40						
L 219+00	42	RT	0903		2871.8																																							
			0903	0904		2869.0	2868.5																																96						
L 218+07	42	RT	0904		2871.3																																							
			0904	0905		2868.5	2868.1																																68						
L 217+40	42	RT	0905		2870.9																																							
			0905	0906		2868.1	2867.9																																68						
L 216+75	42	RT	0906		2871.2																																							
			0906	0907		2867.9	2862.7	1.9	32							X																												
L 216+75	71	RT	0907		2862.7																																							
								SHEET TOTALS	500		48																						76						900		196				

FROM	TO	30" WELDED STEEL PIPE 0.469" THICK, GRADE B IN SOIL	30" WELDED STEEL PIPE 0.469" THICK, GRADE B NOT IN SOIL	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)) A 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	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. (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/ 2 GRATES STD. 840.24	T.B.D.I. STD. 840.35	SPRING BOX STD. 840.41	SPECIAL EXTRA DEPTH 36" JUNCTION BOX	TRAFFIC BEARING JUNCTION BOX 840.34	M.H. FRAME AND COVER STD. 840.54	15" SIDE DRAIN PIPE ELBOW	18" SIDE DRAIN PIPE ELBOW	24" SIDE DRAIN PIPE ELBOW	30" SIDE DRAIN PIPE ELBOW	36" SIDE DRAIN PIPE ELBOW	BERM DITCH OUTLET STD. 850.10	BERM DITCH OUTLET STD. 850.11	BERM DITCH OUTLET FOR 36" PIPE, SEE SHT.2C-5	PREFORMED SCOUR HOLE (PER EACH)	FLOWABLE FILL CY	PIPE COLLAR STD. 840.72 CY	PIPE REMOVAL LIN. FT.	REMARKS
0715																																									31	REM. EX. 15" CMP
0716																																				1						
0716	0718																															1										
0717							1													1				1																		
0717	0718																																									
0718							1	2.4												1				1																		
0718	0719																																								57	REM. EX. 24" CMP
0720							1														1				1																	
0720	0721																																									
0721							1													1			1																			
0721	0801																																									
0722																																										
0801							1													1			1																			
0801	0802																																									
0802							1														1				1																	
0802	0803																																									
0803																																						1				
0804							1													1			1																			
0804	0805																																									
0805							1														1				1																	
0805	0806																																						3			FILL & PLUG EX. 18" RCP
0806																																						1				
0807																																				1						
0807	0809																															1										
0808							1													1			1																			
0808	0809																																									
0809							1													1			1																			
0809	0810																																								44	REM. EX. 24" CMP
0811							1													1			1																			
0811	0813																																									
0812							1								1		1	1																								
0812	0813																																						3			FILL & PLUG EX. 18" RCP
0813							1								1		1	1																								
0813	0814																																									
0814																																						1				
0815							1								1		1	1																								
0815	0816																																									
0901							1								1		1	1																								
0901	0906																																									
0902							1								1		1	1																								
0902	0904																																									
0903							1													1	1																					
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0905	0906																																									
0906							1													1	1																					
0906	0907																																									
0907																																						1				
SHEET TOTALS							20	2.4							5		5	5		12	7		6	2	3							2				2		4	6		131	

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