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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3825B	3D-7

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 %	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15	18	24	30	36	42	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
		1325	1326		170.4	167.5	4.5	52										
L 137+50	55 RT	1329		185.2														
		1329	1331		180.4	164.0	2.5							X			X	X
L 137+50	72 RT	1330		186.1														
		1330	1329		184.8	181.2	0.6	16						X			X	X
Y10C 12+94	16 RT	1332		200.6														
		1333	1334		203.4	202.3												
Y10C 12+01	14 RT	1334		206.2														
		1334	1332		202.3	196.4												
L 128+51	48 LT	1337		194.2														
		1337	1338		188.0	183.2	0.4											
L 128+55	59 RT	1338		188.5														
		1338	1306		183.2	181.3	0.4											
L 138+25	99 LT	1399									92							
L 141+28	91 RT	1401		204.3														
		1401	1402		203.0	191.0	0.6	36						X			X	X
L 141+28	55 RT	1402		195.0														
		1402	1329		190.2	180.4	1.4			376								
L 143+25	95 RT	1403		207.0														
		1403	1404		205.5	199.6	1.0		24					X			X	X
L 143+20	72 RT	1404		202.6														
		1404	1402		199.6	190.7	0.8											
L 144+70	80 RT	1405		212.8														
		1405	1406		211.5	205.4		24						X			X	X
L 144+70	55 RT	1406		208.1														
		1406	1404		205.4	199.9	1.2	148										
L 146+70	56 LT	1408		212.7														
		1408	1410		210.0	202.9	1.7	240										
L 144+30	55 LT	1410		206.9														
		1410	1412		202.1	192.3	0.8			240								
L 141+86	70 LT	1411		197.6														
		1411	1412		196.3	193.1	0.7	16						X			X	X
L 141+86	56 LT	1412		197.1														
		1412	1413		192.3	188.3	0.4											
L 141+00	97 LT	1413		193.1														
		1413	1414		187.8	187.0	0.5				92							
L 150+70	56 LT	1416		214.2														
		1416	1417		212.2	211.8	0.6	16										
L 150+85	51 LT	1417		215.5														
		1417	1418		211.8	211.8												
L 150+91	50 LT	1418																
L 151+29	49 LT	1419																
		1419	1420		211.4	211.4												
L 151+32	51 LT	1420		215.5														
		1420	1422		211.4	208.1	0.4											
L 152+84	6 RT	1421		213.7														
		1421	1422		210.5	208.1												
L 152+62	56 LT	1422		210.9														
		1422	1501		208.1	204.2	2.3	148										
L 146+69	55 RT	1498						48										
SHEET TOTALS								744	24	616	184							

LINE & STATION	C. S. PIPE 15	18	24	30	R. C. PIPE CLASS IV 15	18	24	30	36	42	48	WELDED STEEL PIPE GRADE B 0.5" THICK 15	18	24	30	36	42	48	15	18	24	30	36	42	48	15	18	24	30	36	42	48
L 137+50																																
			92																													
L 137+50																																
Y10C 12+94																																
							24																									
Y10C 12+01																																
							88																									
L 128+51																																
																		52														
L 128+55																																
											44																					
L 138+25																																
L 141+28																																
L 141+28																																
L 143+25																																
L 143+20																																
							192																									
L 144+70																																
L 144+70																																
L 146+70																																
L 144+30																																
L 141+86																																
L 141+86																																
							92																									
L 141+00																																
L 150+70																																
L 150+85																																
					8																											
L 150+91																																
L 151+29																																
					4																											
L 151+32																																
					128																											
L 152+84																																
					64																											
L 152+62																																
L 146+69																																
SHEET TOTALS			92		204	192	204			44								52														52

LINE & STATION	15" TEMPORARY PIPE	18" TEMPORARY PIPE	24" TEMPORARY PIPE	ENDWALLS STD. 826.01 OR 826.11 (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. 852.05 OR DETAIL SHEET 2C-2	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. (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/ 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	TEMP STEEL PLATE COVER PSH 2C-8	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. SPECIAL DETAIL PSH 2C-6	15" PIPE END SECTION	18" CROSS PIPE END SECTION	ADJUST C.B.	15" DRAINAGE PIPE ELBOW	18" DRAINAGE PIPE ELBOW	24" DRAINAGE PIPE ELBOW	15" C.S. ELBOW	BERM DITCH OUTLET STD. 850.10 (PER EACH)	BERM DITCH OUTLET STD. 850.11 (PER EACH)	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 (L CY	PIPE REMOVAL LIN. FT.	REMARKS
L 137+50							1														1			1																				
L 137+50																																								1					
																																							1					
Y10C 12+94							1			1		1																																
Y10C 12+01							1			1		1																																
L 128+51							1	1.3																		1																		
L 128+55							1	0.3																		1																		
L 138+25																																												
L 141+28																																												
L 141+28							1														1			1																				
L 143+25																																								1					
L 143+20							1															1			1																				
L 144+70																																								1					
L 144+70							1															1			1																				
L 146+70							1															1			1																				
L 144+30							1														1			1																				
L 141+86																																								1					
L 141+86							1														1			1																				
L 141+00							1	0.3													1			1																				
L 150+70							1																		1	1																		
L 150+85							1			1	1																																	
L 150+91																																												0.3990
L 151+29																																												0.3990
L 151+32							1			1	1																																	
L 152+84							1											1		1	1																							
L 152+62							1															1			1																				
L 146+69																																			1										
SHEET TOTALS							17	1.9		4	2	2			1		1	1	5	4	1		10		2						1			4	1			5			0.7980	

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