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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3825B	3D-8

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
L 151+08	56 RT	1499						64										
L 154+10	56 LT	1501		207.0														
		1501	1502		204.2	197.3	3.0	76										
L 154+81	80 LT	1502		201.0														
		1502	1503		197.3	169.2	3.0											
L 158+17	88 LT	1506		188.0														
		1506	1507		186.0	183.6	0.8			100								
L 157+16	95 LT	1507		188.0														
		1507	1508		183.6	169.0	0.8											
L 159+00	42 LT	1509		194.1														
		1509	1510		191.3	191.0		68										
L 158+30	42 LT	1510		196.3														
		1510	1511		191.0	187.0		40						X			X	X
L 158+00	42 RT	1512		197.2														
		1512	1513		194.4	192.7		52										
L 158+55	42 RT	1513		195.5														
		1513	1514		192.7	178.4		48						X			X	X
L 158+55	90 RT	1514		182.0														
		1514	1522		178.4	158.0												
L 164+00	86 LT	1515		190.0														
		1515	1516		188.7	173.5		32						X			X	X
L 164+00	55 LT	1516		176.3														
		1516	1517		173.3	172.3	0.8		48									
L 164+50	56 LT	1517		175.3														
		1517	OUT		172.3	171.0	0.9		68									
L 164+50	10 RT	1519		179.1														
		1519	1520		176.3	175.4												
L 164+50	64 RT	1520		178.1														
		1520	OUT		175.4	163.5	0.5							X			X	X
L 155+63	126 RT	1598						316										
DR1 11+34	22 LT	1599						32										
L 166+20	10 RT	1601		177.0														
		1601	1604		174.3	173.9												
L 167+68	10 RT	1602		176.8														
		1602	1603		174.1	173.8												
L 167+08	10 RT	1603		176.8														
		1603	1604		173.8	173.7												
L 166+98	10 RT	1604		176.8														
		1604	1608		173.7	171.3												
L 169+50	67 RT	1605		175.6														
		1605	1606		172.8	172.5												
L 169+50	42 LT	1606		178.0														
		1606	1607		172.2	171.5			240									
L 167+08	42 LT	1607		175.3														
		1607	1608		171.5	171.0	0.5		8									
L 166+98	42 LT	1608		175.3														
		1608	1609		170.5	170.4				44								
L 166+50	42 LT	1609		175.4														
		1609	1610		170.4	160.0												
L 171+45	1 LT	1611		183.8														
							SHEET TOTALS	728	364	144								

| LINE & STATION | C. S. PIPE .064 | .064 | .064 | .079 | R. C. PIPE CLASS IV 15 | 18 | 24 | 30 | 36 | 42 | 48 | WELDED STEEL PIPE GRADE B 0.5" THICK 15 IN SOIL | 18 IN SOIL | 24 IN SOIL | 30 IN SOIL | 36 IN SOIL | 42 IN SOIL | 48 IN SOIL | 15 NOT IN SOIL | 18 NOT IN SOIL | 24 NOT IN SOIL | 30 NOT IN SOIL | 36 NOT IN SOIL | 42 NOT IN SOIL | 48 NOT IN SOIL | 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 |
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