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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3825B	3D-12

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
		2116	2123		279.6	279.4	0.3			36								
L 235+27	52 LT	2117		286.3														
		2117	2119		283.3	282.5												
L 236+66	51 LT	2119		285.5														
		2119	2120		282.5	282.3		36										
L 237+00	40 LT	2120		285.7														
		2120	2121		282.3	282.3												
L 237+12	40 LT	2121		285.7														
		2121	2134		282.3	282.0												
L 240+00	40 LT	2122		287.1														
		2122	2123		284.1	283.4												
L 238+80	40 LT	2123		286.4														
		2123	2132		278.9	278.5												
L 234+87	40 RT	2125		286.8														
		2125	2127		283.8	282.9												
L 236+20	3 RT	2126		286.9														
		2126	2127		283.8	282.9												
L 236+20	40 RT	2127		285.9														
		2127	2128		282.9	282.5												
L 237+00	41 RT	2128		285.7														
		2128	2129		282.5	282.5												
L 237+12	42 RT	2129		285.7														
		2129	2130		282.5	282.2												
L 237+74	43 RT	2130		285.8														
		2130	2132		282.2	281.6												
L 240+25	46 RT	2131		287.1														
		2131	2132		284.1	283.3												
L 238+80	45 RT	2132		286.3														
		2132	2133		278.5	275.1	1.8			76								
L 237+74	39 LT	2134		285.8														
		2134	2123		282.0	281.4	0.3											
L 231+12	34 LT	2135		284.3														
		2135	2136		278.6	276.7												
L 231+11	40 RT	2136		282.5														
		2136	OUT		275.7	275.1												
Y13 21+50	63 LT	2201		294.0														
		2201	2202		291.0	288.7	1.6		56									
Y13 22+05	44 LT	2202		290.9														
		2202	2203		288.2	288.1				8					X	X		
Y13 22+03	34 LT	2203		295.0														
		2203	2205		288.1	287.9												
Y13 22+03	46 RT	2204		294.8														
		2204	2205		291.8	291.1												
Y13 22+03	35 RT	2205		295.2														
		2205	2206		287.9	286.5												
Y13 23+35	35 RT	2206		291.4														
		2206	2207		286.5	286.5												
Y13 23+35	46 RT	2207		291.0														
		2207	2210		286.5	284.8	0.6			80								
Y13 23+69	34 LT	2208		290.7														
SHEET TOTALS								36	56	200								

| STRUCTURE NUMBER FROM | C. S. PIPE 15 .064 | 18 .064 | 24 .064 | 30 .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 TO STD. 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. 852.06 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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