USORLL1TFBDNN3

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
B-4654	3D-1

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		DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
Y2 11+91	33 LT	0401		361.0														
		0401	0403		359.7	357.8		36									X	X
Y2 12+25	20 LT	0402		360.9														
		0402	0403		357.9	357.8		32									X	X
L 18+85	42 LT	0403		361.3														
		0403	0404		357.8	357.7	0.5	20									X	X
L 18+85	22 LT	0404		362.8														
		0404	0405		357.7	357.0												
L 17+50	22 LT	0405		360.2														
		0405	0406		357.0	353.8												
L 15+45	24 LT	0406		356.8														
		0406	0407		353.1	353.0				16							X	X
L 15+45	40 LT	0407		356.2														
		0407	0408		353.0	352.8				60							X	X
L 18+50	34 RT	0409		361.6														
		0409	0410		358.6	355.8												
L 16+80	48 RT	0410		359.5														
		0410	0411		355.8	355.4												
RPD 14+38	17 LT	0500		361.3														
		0500	0505		358.3	354.1												
L 21+34	22 LT	0501		367.6														
		0501	0502		364.6	364.4												
L 21+34	22 RT	0502		367.9														
		0502	0503		364.4	361.5												
L 20+44	22 RT	0503		364.5														
		0503	0504		361.5	354.6		140										
RPD 12+00	22 RT	0504		357.4														
		0504	0505		354.6	354.1												
RPD 14+98	32 RT	0505		356.9														
		0505	0506		353.4	353.0	0.4			76							X	X
LPB 11+47	34 RT	0507		345.3														
		0507	0508		343.8	341.7				36							X	X
LPB 11+79	14 RT	0508		345.0														
		0508	0509		341.7	341.7												
LPB 11+87	14 RT	0509		345.0														
		0509	0510		341.7	341.4												
LPB 12+22	34 LT	0510		346.6														
		0510	0701		339.8	337.5				476							X	X
Y1 26+40	67 LT	0511		348.3														
		0511	0512		345.6	345.2		92										
L 26+47	22 LT	0513		369.1														
		0513	0514		366.1	363.4		44									X	X
L 24+16	22 LT	0515		372.2														
		0515	0516		369.2	368.9												
L 24+16	22 RT	0516		371.9														
		0516	0520		368.9	360.4		92									X	X
DW3 10+91	1 LT	0517						40										
DW2 10+39	10 LT	0518		368.2														
		0518	0520		364.3	360.4												
L 23+38	70 RT	0520		368.5														
					SHEET TOTALS			496	112	552								

| LINE & STATION / SIZE / THICKNESS OR GAUGE | C. S. PIPE 15 .064 | 18 .064 | 24 .064 | 30 .079 | | | 36 .079 | | R. C. PIPE CLASS IV 15 | 18 | 24 | 30 | 36 | | R. C. PIPE CLASS V 15 | 18 | 24 | 30 | 36 | | 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)) A: 0' THRU 5' EACH | B: 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 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | CONCRETE BRIDGE APPROACH D.I. STD. 840.13 | 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 "D" STD. 840.19 OR STD. 840.28 | G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27 | 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 | DRIVEWAY D.I. STD. 840.30 | FRAME W/ GRATE FOR DRIVEWAY STD. 840.30 | 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 | STEEL FRAME WITH TWO GRATES STD. 840.37 | TEMP STEEL PLATE COVER MASONRY DRAINAGE | M.H. STD. 840.51, STD. 840.52, OR STD. 840.53 | M.H. FRAME AND COVER STD. 840.54 | OFFSET CATCH BASIN | CONVERT EXISTING D.I. TO J.B. | OFFSET 2GI | 15" C.S. ELBOW | | BERM DRAINAGE OUTLET STD. 850.10 (PER EACH) | 4" CONCRETE PAVED DITCH CY | FLOWABLE FILL CY | PIPE REMOVAL LIN. FT. | REMARKS |
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