PCDU60HU

COMPUTED BY:	SMB	DATE:	04/21/2021
CHECKED BY:	DM	DATE:	04/21/2021

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2233BB	3D-16

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	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
L3 999+52	72 RT	2212		1035.9															
		2212	2210		1033.2	1032.5	0.8												
L3 999+04	73 RT	2213						44											
L3 996+69	148 RT	2214	2219		993.0	990.8							32			X	X		
L3 995+70	86 LT	2217		1035.4															
		2217	2209		1030.8	1028.4													
L3 995+34	179 LT	2218		981.0															
		2218	2207		976.0	965.6	3.2												
L3 996+61	119 RT	2219		1006.2															
		2219	2207		989.9	964.1													
Y2 19+08	53 LT	2307		926.0															
		2307	2308		924.0	923.0													
Y2 19+07	26 LT	2308		925.7															
		2308	2309		914.0	913.0													
Y2 22+97	49 LT	2311		940.0															
		2311	0661		925.9	924.9													
Y2 15+98	118 RT	2313		920.5															
		2313	2304		899.8	895.5													
Y2 15+65	28 LT	2315		918.6															
		2315	2314		915.6	915.3													
Y2 15+94	28 LT	2316		918.6															
		2316	2314		915.6	915.3													
Y2 16+58	102 RT	2318		924.0															
		2318	2313		902.1	899.8													
Y2 16+16	49 RT	2319		920.5															
		2319	2313		916.5	902.6													
Y2 37+84	34 RT	2400		1039.4															
		2400	0678		1030.2	1027.3	1.9				84					X	X		
Y2 39+00	52 RT	2401		1046.3															
		2401	2400		1037.5	1030.3			116							X	X		
Y2 39+74	82 RT	2402		1052.3															
		2402	2401		1042.9	1037.5	0.6		76							X	X		
Y2 39+00	3 RT	2404		1048.8															
		2404	2405		1043.7	1035.6	1.0												
Y2 37+84	4 RT	2405		1040.6															
		2405	2400		1035.6	1031.2	1.0												
Y2 41+09	4 RT	2406		1061.0															
		2406	2404		1056.0	1043.7	0.8												
Y2 41+12	67 LT	2407		1064.0															
		2407	2406		1060.3	1056.0	0.4												
Y2 42+00	7 RT	2408		1064.7															
		2408	2406		1060.4	1056.0	1.0												
Y2 39+69	99 RT	2410		1050.3															
		2410	2402		1043.7	1043.0			20							X	X		
Y2 43+01	4 RT	2411		1069.4															
		2411	2408		1066.7	1060.5													
Y2 38+46	125 RT	2412		1043.0															
		2412	0631		1036.4	1029.8													
Y2 41+65	80 LT	2419		1065.5															
		2419	2407		1062.0	1060.4	0.9												
SHEET TOTALS								44	212		84		32						
PROJECT TOTALS								2484	1796	1328	1036	264	32						

| STRUCTURE NUMBER FROM | STRUCTURE NUMBER TO | C. S. PIPE 12 .064 | 15 .064 | 18 .064 | 24 .064 | 30 .079 | 36 .079 | 42 .109 | R. C. PIPE CLASS III 12 | 15 | 18 | 24 | 30 | 36 | 42 | 48 | R. C. PIPE CLASS IV 12 | 18 | 30 | 36 | 42" WELDED STEEL, PIPE 0.625" THICK, GRADE B IN SOIL | 36" WELDED STEEL, PIPE 0.500" THICK, GRADE B NOT IN SOIL | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY | DRAINAGE STRUCTURE MASONRY CY | QUANTITIES FOR DRAINAGE STRUCTURES 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 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | 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. (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/ 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 | T.B.D.I. FOR STEEL GRATES STD. 840.36 | STEEL FRAME WITH TWO GRATES STD. 840.37 | 8" SLUICE GATE | 8" HPDE SPRING BOX PIPE (LIN. FT) | SPRING BOX STD. 840.41 | M.H. STD 840.51, STD 840.52, OR STD 840.53 | M.H. FRAME AND COVER STD. 840.54 | 15" C.S. ELBOW | 18" C.S. ELBOW | BERM DRAIN OUTLET STD. 850.10 (CY) | BERM DRAIN OUTLET STD. 850.11 (CY) | ENERGY DISSIPATION BASIN | PIPE CLEANOUT EA | FLOWABLE FILL CY | CONCRETE COLLARS CL. "B" STD. 840.72 CY | CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY | PIPE REMOVAL LIN. FT. | REMARKS |
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