PCDU60HU

COMPUTED BY:	SMB	DATE:	04/21/2021
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2233BB	3D-21

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 988+80	68 RT																		
L3 996+54	35 RT																		
L3 998+94	67 RT																		
Y2 15+77	5 RT																		
Y2 15+91	59 RT																		
Y2 15+91	59 RT																		
Y2 17+07	71 RT																		
Y2 18+48	36 RT																		
Y2 19+09	0 CL																		
Y2 37+67	43 RT																		
Y2 40+47	7 RT																		
Y2 41+44	36 RT																		
Y25A 12+75	0 CL																		
Y19 7+07	24 RT																		
Y19 8+45	18 RT																		
Y19 11+37	22 RT																		
Y19 12+99	25 RT																		
Y19 14+17	50 RT																		
Y3 18+62	34 RT																		
Y3 35+70	82 RT																		
Y3 36+70	46 RT																		
Y3 40+62	28 LT																		
Y3 41+08	0 CL																		
Y23 36+52	17 RT																		
Y6 10+01	81 RT																		
Y6 10+26	0 CL																		
Y6 10+14	15 LT																		
Y6 20+70	0 CL																		
Y6 32+76	0 CL																		
Y6 32+58	127 LT																		
Y6 31+81	56 LT																		
Y8 20+61	84 LT																		
Y25 22+70	11 LT																		
Y2 36+62	7 LT																		
Y2 36+49	36 RT																		
Y2 33+52	49 RT																		
Y2 33+56	0 CL																		
Y2 33+70	36 LT																		
Y2 30+92	107 LT																		
Y2 30+56	0 CL																		
Y2 32+27	84 RT																		
Y2 25+53	70 RT																		
Y2 22+98	0 CL																		
Y18 16+57	48 RT																		
Y2 15+98	66 RT																		
Y2 17+08	77 RT																		
Y3 15+83	47 RT																		
Y18 DET 12+75	0 CL																		
SHEET TOTALS																			
PROJECT TOTALS								2484	1796	1328	1036	264	32						

LINE & STATION	C. S. PIPE 12	15	18	24	30	36	42	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	18	30	36
THICKNESS OR GAUGE	.064	.064	.064	.064	.079	.079	.109												
L3 988+80																			
L3 996+54																			
L3 998+94																			
Y2 15+77																			
Y2 15+91																			
Y2 15+91																			
Y2 17+07																			
Y2 18+48																			
Y2 19+09																			
Y2 37+67																			
Y2 40+47																			
Y2 41+44																			
Y25A 12+75																			
Y19 7+07																			
Y19 8+45																			
Y19 11+37																			
Y19 12+99																			
Y19 14+17																			
Y3 18+62																			
Y3 35+70																			
Y3 36+70																			
Y3 40+62																			
Y3 41+08																			
Y23 36+52																			
Y6 10+01																			
Y6 10+26																			
Y6 10+14																			
Y6 20+70																			
Y6 32+76																			
Y6 32+58																			
Y6 31+81																			
Y8 20+61																			
Y25 22+70																			
Y2 36+62																			
Y2 36+49																			
Y2 33+52																			
Y2 33+56																			
Y2 33+70																			
Y2 30+92																			
Y2 30+56																			
Y2 32+27																			
Y2 25+53																			
Y2 22+98																			
Y18 16+57																			
Y2 15+98																			
Y2 17+08																			
Y3 15+83																			
Y18 DET 12+75																			
SHEET TOTALS																			
PROJECT TOTALS	2012	2360	784	648	672	588		14496	6076	4800	3316	1700	1256	544		172	272	36	552

LINE & STATION	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)	DRAINAGE STRUCTURE MASONRY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5'	A 5' THRU 10'	B 10' AND ABOVE	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	FLOWABLE FILL	CONCRETE COLLARS CL. "B" STD. 840.72	CONCRETE AND BRICK PIPE PLUG STD. 840.71	PIPE REMOVAL
THICKNESS OR GAUGE			CY	CY	EACH	LIN. FT.	LIN. FT.												
L3 988+80																			20
L3 996+54																		22	
L3 998+94																			55
Y2 15+77																			134
Y2 15+91																			51
Y2 15+91																			69
Y2 17+07																			40
Y2 18+48																			206
Y2 19+09																			59
Y2 37+67																			456
Y2 40+47																			165
Y2 41+44																		10	
Y25A 12+75																			53
Y19 7+07																			76
Y19 8+45																		13	
Y19 11+37																		30	
Y19 12+99																			6
Y19 14+17																			6
Y3 18+62																			41
Y3 35+70																			229
Y3 36+70																			33
Y3 40+62																			111
Y3 41+08																			102
Y23 36+52																			52
Y6 10+01																			
Y6 10+26																			35
Y6 10+14																			19
Y6 20+70																			40
Y6 32+76																			152
Y6 32+58																			99
Y6 31+81																			79
Y8 20+61																			32
Y25 22+70																			40
Y2 36+62																		14	
Y2 36+49																			26
Y2 33+52																			35
Y2 33+56																		7	
Y2 33+70																			22
Y2 30+92																			52
Y2 30+56																		10	
Y2 32+27																			
Y2 25+53																			541
Y2 22+98																			124
Y18 16+57																			39
Y2 15+98																			91
Y2 17+08																			
Y3 15+83																			80
Y18 DET 12+75																			68
SHEET TOTALS																		106	0.559	3538
PROJECT TOTALS			41.400		435	546.7		75	6	42	27	34		28	54	54	37	176	3		39		172		7	1	42	1	3	15	15	2	44	1		40	16	14	44	93	15	4	137	6.4125	0.624	4653

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

REMARKS