PCDMWKCC

COMPUTED BY:	SB	DATE:	05/20/2021
CHECKED BY:	DM	DATE:	05/20/21

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-5737	3D-7

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 %	Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	15	18	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE 12 .064	15 .064	18 .064	24 .064	30 .079			36 .079			42 .109	48 .109	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	15	18	24	30	42
DETB 11+52	0 CL	2B12E																																								
L 79+60	0 CL	2B12F																																								
L 56+84	2 LT																																									
L 64+04	0 M																																									
L 73+55	62 RT																																									
L 74+30	0 M																																									
L 62+04	5 LT																																									
L 62+10	25 RT																																									
L 83+15	0 M																																									
Y4 12+92	2 RT																																									
Y4 13+93	22 LT																																									
Y1 25+83	23 RT																																									
Y2 11+12	65 RT																																									
Y2 14+22	23 LT																																									
L 52+08	122 RT																																									
L 65+25	54 RT																																									
L 52+90	150 RT																																									
L 53+12	143 LT																																									
L 53+12	102 LT																																									
SHEET TOTALS																																										
PROJECT TOTALS									132	256							16	480	140		84								1080	136	28						3736	2436	544	256	184

LINE & STATION	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. 852.06	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	GDI TYPE "A" STD. 840.17 OR STD. 840.26	GDI TYPE "B" STD. 840.18 OR STD. 840.27	GDI TYPE "D" STD. 840.19 OR STD. 840.28	GDI (WS FLAT) FRAME W/ GRATE STD. 840.20	GDI (WS FLAT) FRAME W/ 2 GRATES STD. 840.20	GDI (WS SAG) FRAME W/ GRATE STD. 840.22	GDI (WS SAG) FRAME W/ 2 GRATES STD. 840.22	GDI (NS SAG) FRAME W/ GRATE STD. 840.24	GDI (NS SAG) FRAME W/ 2 GRATES STD. 840.24	GDI (NS FLAT) FRAME W/ GRATE STD. 840.29	GDI (NS FLAT) FRAME W/ 2 GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	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	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	ENERGY DISSIPATION BASIN	CONCRETE ENDWALL STD. 838.01 CY	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE & BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
DETB 11+52																																	1									
L 79+60																																	1									
L 56+84																																										143
L 64+04																																										158
L 73+55																																										4
L 74+30																																										264
L 62+04																																										16
L 62+10																																										54
L 83+15																																										180
Y4 12+92																																										41
Y4 13+93																																										35
Y1 25+83																																										92
Y2 11+12																																										100
Y2 14+22																																										36
L 52+08																																							8			
L 65+25																																							4			
L 52+90																																							14			
L 53+12																																							2			
L 53+12																																							5			
SHEET TOTALS																																	2						33			1123
PROJECT TOTALS		144		200.9	45	10	21	16					3	3	4	45	3		35		16		2				4	3	1	37	37		5			3		1	1	1	14	33	1.8446	0.798	1979	

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
GDI	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
NS	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
WS	WIDE SLOT