LINDA092017-PC

COMPUTED BY:	LMJ	DATE:	12-05-24
CHECKED BY:	WHT	DATE:	12-05-24

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-5536	3D-2

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, HDPE, PVC, or PP PIPE) 15	Drainage Pipe 18	Drainage Pipe 24	Drainage Pipe 30	Drainage Pipe 36	DO NOT USE RCP	DO NOT USE HDPE	DO NOT USE PVC	DO NOT USE PP PIPE	C. S. PIPE 15 .064	C. S. PIPE 18 .064	C. S. PIPE 24 .064	C. S. PIPE	R. C. PIPE CLASS III 15	CLASS III 18	CLASS III 24	CLASS III 30	CLASS III 36	CLASS III	R. C. PIPE CLASS IV 15	CLASS IV 18	CLASS IV 24	CLASS IV 30	CLASS IV 36	CLASS IV	R. C. PIPE CLASS V 15	CLASS V 18	CLASS V 24	CLASS V		15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE
L 11+11	27 LT	0436		937.2																																			
Y2 11+77	19 LT	0428		935.7																																			
		0428	0429		933.5	933.0		16																															
Y2 12+24	14 RT	0430		934.4																																			
		0430	0431		932.2	932.0																					24												
L 25+11	49 RT	0500		950.7																																			
		0500	0501		949.2	948.1	0.3		24																														
L 25+11	30 RT	0501		952.4																																			
		0501	0502		948.1	945.0	0.4																					56											
L 25+23	24 LT	0502		952.5																																			
		0502	0503		942.6	941.4	0.5		48																														
L 28+21	63 RT	0505		944.8																																			
		0505	0528		942.3	942.2																		36															
Y4 12+60	13 LT	0508		952.3																																			
		0508	0509		950.0	949.9																											20						
Y4 12+82	13 LT	0509		952.2																																			
		0509	0510		949.9	949.9																											24						
Y4 12+82	13 RT	0510		952.2																																			
		0510	0511		949.9	949.7		28																															
Y4 12+59	27 RT	0511		952.0																																			
		0511	0512		949.7	949.7		20																															
Y9 13+55	31 RT	0513		951.2																																			
		0513	0515		948.2	948.1																											32						
L 32+17	24 LT	0514		953.9																																			
		0514	0515		950.9	949.7																											40						
L 31+75	18 LT	0515		952.7																																			
L 31+74	14 RT	0516		946.2																																			
		0516	0517		944.7	944.5														16																	
L 31+75	30 RT	0517		952.4																																			
		0517	0518		944.5	944.3														44																	
Y9 12+62	26 RT	0518		950.2																																			
Y9 12+20	36 RT	0519		950.5																																			
		0519	0520		948.3	946.7		12																															
Y9 12+20	26 RT	0520		949.7																																			
		0520	0521		946.7	946.4																											56						
Y9 12+26	28 LT	0521		949.7																																			
		0521	0522		946.4	946.2																											40						
Y9 12+62	14 LT	0522		950.1																																			
		0522	0523		942.7	942.6																56															
L 30+61	30 RT	0523		951.4																																			
		0523	0524		942.6	942.5																32															
L 30+30	30 RT	0524		950.0																																			
		0524	0529		942.5	942.2																48															
L 27+87	24 LT	0527		950.7																																			
		0527	0506		939.7	938.5	0.4					56																											
L 28+21	30 RT	0528		952.2																																			
		0528	0542		941.4	940.4																56															
L 28+27	0 CL																																						
L 30+30	18 LT	0529		950.2																																			
		0529	0530		942.2	942.1																32															
							SHEET TOTALS	76	72			56										60		260			24	56					212						

LINE & STATION	OFFSET	FROM	TO	ENDWALLS STD. 838.01 OR STD. 838.11 (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. 852.04 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/ 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	M.H. FRAME AND COVER STD. 840.54	ADJUST C.B.	15" DRAINAGE PIPE ELBOW		PIPE CLEANOUT EACH	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
L 11+11	27 LT	0436					1											1	1																										
Y2 11+77	19 LT	0428					1			1			1																																MIN D CB
Y2 12+24	14 RT	0430					1			1		1																																	
L 25+11	30 RT	0501					1			1		1																																	
L 25+23	24 LT	0502					1	4.9		1	1																																		
Y4 12+60	13 LT	0508					1			1			1																																MIN D CB
Y4 12+82	13 LT	0509					1			1	1																																		MIN D CB
Y4 12+82	13 RT	0510					1			1	1																																		MIN D CB
Y4 12+59	27 RT	0511					1			1	1																																		MIN D CB
Y9 13+55	31 RT	0513					1			1	1																																		
L 32+17	24 LT	0514					1			1	1																																		
L 31+75	18 LT	0515					1	2.7		1		1																																	
L 31+74	14 RT	0516																																								0.4465			
L 31+75	30 RT	0517					1	3.0		1			1																																
Y9 12+62	26 RT	0518											1																								1								CB needs new Type G grate
Y9 12+20	36 RT	0519					1											1	1																										
Y9 12+20	26 RT	0520					1			1	1																																		
Y9 12+26	28 LT	0521					1			1	1																																		
Y9 12+62	14 LT	0522					1	2.4		1		1																																	
L 30+61	30 RT	0523					1	3.8		1			1																																
L 30+30	30 RT	0524					1	2.6		1	1																																		
L 27+87	24 LT	0527					1	5.0	1.1	1			1																																
L 28+21	30 RT	0528					1	5.0	0.7	1		1																																	
L 28+27	0 CL																																								24				Exist. 36" RCP
L 30+30	18 LT	0529					1	3.0		1		1																																	
SHEET TOTALS							22	32.4	1.8	20	9	6	6					2	2																		1				24	0.4465			

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