TGSLTW1014

COMPUTED BY:	BJH	DATE:	09-09-24
CHECKED BY:	REL	DATE:	09-09-24

PROJECT NO.	SHEET NO.
B-5833	3D-2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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 %
		0518	0557		1095.3	1092.2	0.6
LOOPD 18+22	59 RT	0523		1095.9			
LOOPA 14+08	10 RT	0529		1112.7			
		0529	0528		1109.7	1107.0	
L 31+70	41 RT	0532		1121.5			
L 21+50	38 RT	0533					
		0533	0534		1098.3	1095.2	
L 21+08	38 RT	0534		1098.0			
		0534	0421		1095.2	1093.4	
LOOPD 11+50	18 LT	0535		1112.4			
		0535	0536		1106.4	1106.0	
LOOPD 11+50	52 LT	0536		1109.5			
		0536	0554		1106.0	1103.2	
LOOPD 11+92	164 LT	0554		1106.0			
		0554	0555		1098.5	1092.6	
Y3 16+00	76 RT	0537		1099.4			
		0537	0538		1096.6	1096.1	
Y3 15+51	68 RT	0538		1099.9			
		0538	0539		1096.1	1093.9	
Y3 13+43	68 RT	0539		1097.8			
		0539	0540		1093.9	1090.7	
Y3 12+66	66 RT	0540		1097.2			
		0540	0541		1090.7	1090.0	
Y3 11+97	60 RT	0541		1096.9			
		0541	0542		1090.0	1089.8	
Y3 17+50	74 LT	0543		1102.0			
		0543	0553		1099.2	1098.9	
Y3 17+27	68 LT	0545		1102.5			
		0545	0546		1098.8	1096.1	
Y3 15+21	67 LT	0546		1099.3			
		0546	0547		1096.1	1094.3	
Y3 14+00	78 LT	0547		1096.2			
		0547	0548		1094.3	1093.9	
L 21+20	43 LT	0549		1098.5			
		0549	0418		1095.3	1093.2	
Y3 13+43	73 RT	0550		1099.6			
		0550	0539		1094.0	1093.9	
Y3 15+51	73 RT	0551		1101.8			
		0551	0538		1096.2	1096.1	
Y3 15+21	73 LT	0552		1101.2			
		0552	0546		1096.2	1096.1	
Y3 17+27	73 LT	0553		1104.6			
		0553	0545		1098.9	1098.8	
LOOPD 17+20	110 LT	0556		1090.5			
		0556	0519		1087.6	1087.4	0.5
LOOPA 11+20	18 LT	0601		1123.1			
RAMPA 10+77	10 LT	0602		1124.1			
		0602	0619		1117.6	1114.4	
L 36+42	37 LT	0606		1126.2			
		0606	0605		1120.5	1120.1	0.5

FROM	TO	Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	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	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	R. C. PIPE CLASS V 12	15	18	24	30	36	42	48
0518	0557																								64													
0529	0528																							48														
0533	0534																							40														
0534	0421																							44														
0535	0536																							36														
0536	0554																							120														
0554	0555																							120														
0537	0538																							48														
0538	0539																							204														
0539	0540																							76														
0540	0541																							68														
0541	0542																							20														
0543	0553																							20														
0545	0546																							204														
0546	0547																							120														
0547	0548																							40														
0549	0418																							44														
0550	0539																							4														
0551	0538																							4														
0552	0546																							4														
0553	0545																							4														
0556	0519																		16																			
0602	0619																							68														
0606	0605																							40														
SHEET TOTALS																			16						1376	64												

STRUCTURE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) 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 T.B.D.I. 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, 840.27, OR 840.45	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	J.B. STD. 840.31, 840.32, OR 840.45	T.B.J.B. STD. 840.34 OR 840.46	T.B.D.I. STD. 840.35 OR 840.46	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	4-SIDED OPEN THROAT C.B. SEE DETAIL 2D-2	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.	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
0523		1																											1	1											OTCB-4 W/ MH
0529		1			1		1																																		
0532		1	4.6												1							1																			
0533																																									
0534		1													1							1																			
0535		1	1.0		1			1																																	
0536		1													1					1																					
0554		1	2.5												1					1																					
0537		1													1					1																					
0538		1																1									1														TRAFFIC BEARING 2GI
0539		1																1									1														TRAFFIC BEARING 2GI
0540		1	1.5															1									1														TRAFFIC BEARING 2GI
0541		1	1.9															1									1														TRAFFIC BEARING 2GI
0543		1													1					1																					
0545		1																1									1														TRAFFIC BEARING 2GI
0546		1																1									1														TRAFFIC BEARING 2GI
0547		1													1					1																					
0549		1													1									1																	
0550		1	0.6												1			1																							
0551		1	0.6												1			1																							
0552		1													1			1																							
0553		1	0.7												1			1																							
0556		1																											1	1											OTCB-4 W/ MH
0601																													1				1								CONVERT EXIST. 2GI TO JB W/ MH, SEE DETAIL 2D-4
0602		1	1.5						1															1			1														TRAFFIC BEARING 2GI
0606		1	0.7																						1				1												JB W/ MH
SHEET TOTALS		24	15.6		2		1	1	1						12			10		5		2		2	1		7		4	2			1								

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