TGSLTW1014

COMPUTED BY: BJH DATE: 09-09-24

CHECKED BY: REL DATE: 09-09-24

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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

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	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	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
L 37+31	43	LT	0607		1125.0																
			0607	0606		1121.2	1120.5	0.5													
L 37+61	44	LT	0608		1125.2																
			0608	0607		1121.6	1121.2	0.3													
L 38+15	53	LT	0609																		
			0609	0608		1122.1	1121.6														
L 40+79	38	LT	0610																		
			0610	0611		1122.7	1121.9														
L 40+73	23	LT	0611		1124.0																
RAMPA 12+00	38	LT	0613		1119.3																
			0613	0614		1115.3	1113.3														
L 38+43	43	RT	0616		1121.2																
L 37+93	50	RT	0617		1121.2																
LOOPD 11+59	7	LT																			
RAMPD 11+01	24	RT																			
RAMPD 10+54	9	RT																			
L 23+64	22	RT																			
LOOPD 18+06	42	RT																			
L 10+84	18	RT																			
L 13+57	21	LT																			
L 15+25	18	LT																			
L 18+59	12	LT																			
L 17+09	17	LT																			
DRW1 12+10	58	RT																			
L 31+72	26	RT																			
L 40+74	25	LT																			
L 37+34	42	LT																			
L 37+22	34	LT																			
L 37+50	27	LT																			
DRW1 12+97	28	LT																			
RAMPD 10+75	16	RT																			
RAMPD 10+32	3	RT																			
LOOPD 17+26	100	LT																			
LOOPD 17+44	82	LT																			
LOOPD 17+88	22	LT																			
LOOPD 18+07	47	RT																			
L 31+71	40	RT																			
L 31+74	13	RT																			
Y3 12+63	67	RT																			
LDET 12+85	35	LT	2B01																		
LDET 13+44	26	LT	2B02		1067.0																
			2B02	2B01		1064.7	1064.4	0.5		60											
LDET 14+13	22	LT	2B03		1067.4																
			2B03	2B02		1065.1	1064.7	0.5		72											
LDET 14+66	17	LT	2B04		1069.3																
			2B04	2B03		1067.0	1065.1	0.5		52											
SHEET TOTALS										184											
PROJECT TOTALS										184	36										

LINE & STATION	FROM	TO	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
	0607	0606										88														
	0608	0607										28														
	0609	0608										56														
	0610	0611				16																				
	0613	0614										88														
SHEET TOTALS						16						260														
PROJECT TOTALS						32						2424	768							56						

LINE & STATION	FROM	TO	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
L 37+31	0607			1								
L 37+61	0608			1								
RAMPA 12+00	0613			1								
L 38+43	0616			1	0.8		1			1		
L 37+93	0617			1	1.5		1		1			
LDET 13+44	2B02			1								
LDET 14+13	2B03			1								
LDET 14+66	2B04			1								
SHEET TOTALS				8	2.3		2		1	1		
PROJECT TOTALS				52	28.2		9		2	7	7	

LINE & STATION	FROM	TO	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.
L 37+31	0607						1									1												
L 37+61	0608						1									1												
RAMPA 12+00	0613						1					1																
LDET 13+44	2B02			1	1																							
LDET 14+13	2B03			1	1																							
LDET 14+66	2B04			1	1																							
SHEET TOTALS				3	3		3					1				2												
PROJECT TOTALS				3	3		19			10		6		3		18	1		18		4	2			1			

LINE & STATION	FROM	TO	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 40+73	0611			0.5526			
LOOPD 11+59						98	REMOVE EXIST. 15" CMP
RAMPD 11+01						54	REMOVE (PARTIAL) EXIST. 24" RCP
RAMPD 10+54			5				FILL (PARTIAL) EXIST. 24" RCP
L 23+64						20	REMOVE (PARTIAL) EXIST. 24" RCP
LOOPD 18+06					0.045		PLUG EXIST. 15" RCP
L 10+84						54	REMOVE EXIST. 15" CMP
L 13+57						21	REMOVE EXIST. 15" HDPE
L 15+25						232	REMOVE EXIST. 12" HDPE
L 18+59						33	REMOVE EXIST. 15" RCP
L 17+09						15	RE MOVE EXIST. 12" RCP
DRW1 12+10						342	REMOVE EXIST. 36" CMP
L 31+72			2				FILL (PARTIAL) EXIST. 18" RCP
L 40+74						4	REMOVE (PARTIAL) EXISTING 24" RCP
L 37+34						166	REMOVE EXIST. 15" RCP
L 37+22						15	REMOVE EXIST. 12" CMP
L 37+50						62	REMOVE EXIST. 12" CMP
DRW1 12+97						79	REMOVE EXIST. 18" CMP
RAMPD 10+75					0.116		PLUG EXIST. 24" RCP
RAMPD 10+32					0.116		PLUG EXIST. 24" RCP
LOOPD 17+26						16	REMOVE EXIST. 15" RCP
LOOPD 17+44					0.045		PLUG EXIST. 15" RCP
LOOPD 17+88			6				FILL (PARTIAL) EXIST. 15" RCP
LOOPD 18+07						11	REMOVE (PARTIAL) EXIST. 15" RCP
L 31+71					0.065		PLUG EXIST. 18" RCP
L 31+74					0.065		PLUG EXIST. 18" RCP
Y3 12+63						8	REMOVE (PARTIAL) EXIST. 15" CMP
LDET 13+44	2B02						TEMPORARY DI
	2B02	2B01					TEMPORARY 15" PIPE
LDET 14+13	2B03						TEMPORARY DI
	2B03	2B02					TEMPORARY 15" PIPE
LDET 14+66	2B04						TEMPORARY DI
	2B04	2B03					TEMPORARY 15" PIPE
SHEET TOTALS			13	0.5526	0.452	1230	
PROJECT TOTALS			13	0.5526	0.452	1230	

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