L-21785

COMPUTED BY:	DLH	DATE:	08/31/21
CHECKED BY:	DWT	DATE:	09/02/21

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
P-5720	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, 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	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
		0517	0512		288.7	271.6	0.9																64													
Y3 14+70	27 LT	0518		294.9																																
		0518	0519		291.6	291.4																														
Y3 14+70	2 RT	0519		295.9																																
		0519	0520		291.4	291.1																														
Y3 14+70	28 RT	0520		295.8																																
		0520	0521		291.1	284.0																														
Y3 13+09	27 RT	0521		287.3																																
		0521	0524		284.0	282.4																														
Y3 12+02	23 LT	0522		285.7																																
		0522	0523		282.0	281.7																														
Y3 12+02	25 RT	0524		286.6																																
		0524	0522		282.4	282.0	0.4																													
Y3 14+23	82 RT	0525		275.2																																
		0525	0526		271.8	271.0																														
		0527	0525		273.8	272.0																														
L 27+47	55 RT	0528		275.2																																
		0528	0512		269.2	266.3	0.3																													
L 29+45	33 LT	0529		303.8																																
		0529	0517		300.0	292.3																														
L 29+45	33 RT	0530		303.8																																
		0530	0529		300.6	300.0																														
L 31+35	33 LT	0531		310.7																																
		0531	0529		306.8	300.0																														
L 31+35	32 RT	0532		310.7																																
		0532	0531		307.5	306.8																														
L 28+50	8 RT	0533		271.9																																
		0533	0534		268.1	262.7																														
L 27+39	118 RT	0535		276.1																																
		0535	0528		270.3	269.2	0.3																													
L 29+96	120 RT	0536			275.5	274.8																														
L 24+37	116 RT	0537			276.8	276.6																														
L 25+43	117 RT	0538			275.6	275.4																														
Y2REV 12+98	15 LT	0540		270.3																																
Y2REV 12+83	15 RT	0541		271.1																																
Y2REV 13+80	15 LT	0543		267.4																																
Y2REV 13+84	15 RT	0544		267.3																																
Y2REV 14+31	15 RT	0545		266.9																																
		0545	0544		263.8	262.6																														
Y2REV 14+50	16 LT	0546		266.9																																
		0546	0543		263.9	262.2																														
Y2REV 14+40	15 RT	0547		266.9																																
		0547	0545		263.9	263.8																														
Y2REV 15+50	15 LT	0548		269.6																																
		0548	0546		266.6	263.9																														
L 26+88	117 RT	0549			274.0	273.7																														
Y2REV 12+94	6 LT	0550			264.2	263.3																														
L 35+75	32 RT	0601		309.6																																
		0601	0602		306.6	301.5																														
L 37+00	32 RT	0602		305.3																																
					SHEET TOTALS																		64													

LINE & STATION / SIZE / THICKNESS OR GAUGE	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	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)) A: 0' THRU 5' EACH	B: 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	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. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.2	J.B. STD. 840.31 OR STD. 840.32	M.H. FRAME AND COVER STD. 840.54	CONVERT EXIST C.B. TO 2 G.I.	CONVERT EXISTING C.B. TO J.B.	ADJUST C.B.	ADJUST J.B.	15" C.S. ELBOW	18" C.S. ELBOW	FLOWABLE FILL CY	PIPE REMOVAL LIN. FT.	REMARKS
																																							2				
Y3 14+70																				1			1		1																	
											28																																
Y3 14+70																				1			1		1																	
											24																																
Y3 14+70																				1			1			1																	
											156																																
Y3 13+09																				1			1			1																	
											108																																
Y3 12+02																				1			1	1																			
												28																															
Y3 12+02																				1			1	1																			
											48																																
Y3 14+23																				1										1		1											
													160																														
												44																															
L 27+47																				1	1.0											1											
															140																												
L 29+45																				1			1		1																		
												144																															
L 29+45																				1			1			1																	
												64																															
L 31+35																				1			1		1																		
												188																															
L 31+35																				1			1			1																	
												64																															
L 28+50																				1												1											
																			128																								TEMP PIPE. PFA AFTER CONSTRUCTION
L 27+39																				1	0.8		1			1								1		1							TEMP C.B. CONVERT TO J.B. FOR FINAL. SEE SHEET 2C-1
															60																												
L 29+96											24																																
L 24+37											20																																
L 25+43											20																																
Y2REV 12+98																				1	1.7		1			1																	
Y2REV 12+83																				1	2.2		1		1																		
Y2REV 13+80																				1	0.2		1			1																	
Y2REV 13+84																				1			1		1																		
Y2REV 14+31																				1			1	1																			
											48																																
Y2REV 14+50																				1			1	1																			
											68																																
Y2REV 14+40																				1			1			1																	
											8																																
Y2REV 15+50																				1			1		1																		
											100																																
L 26+88											24																																
Y2REV 12+94															88			4.500																									SEE SPECIAL HEADWALL DETAIL SHEET 2C-3
L 35+75																				1			1		1																		
											120																																
L 37+00																				1			1		1																		
SHEET TOTALS											796	532	160		88			4.500	128	24	5.9		21	4	9	8				1		1	2		1		1				2			

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