ROADLAP122019C

COMPUTED BY:	HY	DATE:	2/20/2023
CHECKED BY:	PMH	DATE:	7/12/2023

PROJECT NO.	SHEET NO.
U-5824	3D-5

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	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, CAAP, HDPE, PVC, or PP PIPE) 12	15	18	24	30	36	42	48	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
Y6 11+29	17	RT	0714		996.5																											
			0714	0715		993.5	993.4																			36						
Y6 11+29	20	LT	0715		997.0																											
			0715	0716		993.4	993.3			28																						
L 56+95	3	RT	0717		1002.9																											
			0717	0719		998.9	992.6											204														
L 59+00	42	LT	0718		998.3																											
			0718	0722		992.3	992.0											72														
L 58+99	7	RT	0719		999.5																											
			0719	0718		992.6	992.3											48														
L 59+00	41	RT	0720		998.4																											
			0720	0719		992.7	992.6											32														
L 59+71	41	RT	0721		997.1																											
			0721	0720		993.1	992.7											72														
L 59+71	41	LT	0722		997.1																											
			0722	0723		992.0	991.2											144														
L 61+17	42	LT	0723		995.5																											
			0723	0726		991.2	990.4											112														
L 61+45	42	RT	0724		995.2																											
			0724	0725		991.2	990.8											84														
L 62+31	41	RT	0725		995.0																											
			0725	0726		990.8	990.4											80														
L 62+31	42	LT	0726		995.0																											
			0726	0727		990.1	990.1	0.4			12																					
L 62+35	54	LT	0727		994.9																											
			0727	0728		990.1	982.5												104													
L 62+38	161	LT	0728		985.0																											
			0728	0729		982.5	981.8												56													
L 63+70	42	RT	0801		996.1																											
			0801	0725		992.1	990.8											136														
Y8A 10+70	19	RT	0802		996.9																											
			0802	0801		992.9	992.1			116																						
L 65+85	52	RT	0803		995.8																											
			0803	0804		991.8	988.1											160														
L 67+44	41	RT	0804		992.1																											
			0804	0807		988.1	982.2											192														
L 67+45	42	LT	0805		992.6																											
			0805	0809		988.6	982.1											160														
L 67+46	58	LT	0806		992.4																											
			0806	0805		990.2	988.6			16																						
L 69+36	41	RT	0807		986.2																											
			0807	0816		982.2	979.3											208														
L 69+07	59	LT	0808		985.8																											
			0808	0809		982.2	982.1			20																						
L 69+07	41	LT	0809		986.9																											
			0809	0812		982.1	980.3	0.3										124														
L 69+40	59	LT	0810		984.6																											
			0810	0808		982.4	982.2			32																						
L 70+34	60	LT	0811		983.8																											
			0811	0812		981.6	980.3			20																						
								SHEET TOTALS		232	12							1828	160							36						

LINE & STATION	STRUCTURE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	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	GRATE TYPE E	F	G	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
Y6 11+29	0714				1			1			1								
Y6 11+29	0715				1			1		1									
L 56+95	0717				1							1			1	1			
L 59+00	0718				1	1.0		1		1									
L 58+99	0719				1	2.0													
L 59+00	0720				1	0.7		1		1									
L 59+71	0721				1			1		1									
L 59+71	0722				1	0.1		1		1									
L 61+17	0723				1			1		1									
L 61+45	0724				1			1		1									
L 62+31	0725				1			1	1										
L 62+31	0726				1			1	1										
L 62+35	0727				1	1.6									1	1			
L 62+38	0728				1										1	1			
L 63+70	0801				1			1			1								
Y8A 10+70	0802				1			1			1								
L 65+85	0803				1			1		1									
L 67+44	0804				1			1		1									
L 67+45	0805				1			1			1								
L 67+46	0806				1										1	1			
L 69+36	0807				1			1		1									
L 69+07	0808				1										1	1			
L 69+07	0809				1			1			1								
L 69+40	0810				1										1	1			
L 70+34	0811				1										1	1			
SHEET TOTALS					25	5.4		17	2	10	5	1			7	7			

LINE & STATION	STRUCTURE	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	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	TEMP STEEL PLATE COVER MASONRY DRAINAGE	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONCRETE TRANSITIONAL SECTION TB 2GI	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.	MODIFIED CONC. FLUME	PREFORMED SCOUR HOLE (PER EACH)	ENERGY DISSIPATION BASIN	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 56+95	0717																	1															
L 59+00	0718																	1															
L 58+99	0719											1						1		1													
L 59+71	0722																	1															
L 61+17	0723																	1															
L 62+35	0727																	1															
SHEET TOTALS												1						6		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