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TGSLTW1014

COMPUTED BY:	BJH	DATE:	12/19/23
CHECKED BY:	REL	DATE:	12/19/23

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-6036	3D-4

**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	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	FLOWABLE FILL CY	PIPE REMOVAL LIN. FT.	REMARKS
			0617	0615		1166.9	1166.0	0.8			
L 45+73	56	RT	0618		1172.8						
			0618	0617		1168.4	1167.4	1.2			
L 46+20	35	RT	0619		1171.2						
			0619	0617		1167.8	1167.4	0.6			
Y2 14+11	52	RT	0622								
			0622	0619		1170.7	1167.8	0.4			
L 45+13	30	LT	0623		1171.8						
			0623	0615		1168.7	1166.7				
L 12+65	14	LT								38	REMOVE EXIST. 15" CMP
L 15+04	21	LT								60	REMOVE EXIST. 15" CMP
Y 14+09	23	RT								20	REMOVE EXIST. 15" CMP
L 15+99	0	CL								43	REMOVE EXIST. 18" RCP
L 18+26	16	RT								16	REMOVE EXIST. 12" RCP
L 13+84	16	RT								29	REMOVE EXIST. 15" CMP
L 24+93	21	RT								28	REMOVE EXIST. 15" RCP
L 25+59	22	RT								28	REMOVE EXIST. 15" RCP
L 27+09	26	RT								20	REMOVE EXIST. 15" RCP
L 27+98	27	RT								24	REMOVE EXIST. 15" RCP
L 28+21	7	RT								39	REMOVE EXIST. 15" CMP
L 28+29	24	LT								22	REMOVE EXIST. 18" CMP
L 32+40	22	RT								37	REMOVE EXIST. 18" CMP
L 32+82	22	RT								44	REMOVE EXIST. 15" RCP
L 33+55	24	RT								96	REMOVE EXIST. 15" RCP
L 34+20	5	RT							3		FILL EXIST. 18" RCP
L 34+95	16	LT								118	REMOVE EXIST. 18" CMP
Y1 14+11	28	RT								222	REMOVE EXIST. 18" CMP
Y1 12+97	20	RT								9	REMOVE EXIST. 18" CMP
Y1 12+97	23	LT								14	REMOVE EXIST. 18" CMP
L 31+09	24	RT								32	REMOVE EXIST. 15" RCP
Y1 12+97	0	CL							2		FILL EXIST. 18" CMP
L 38+41	0	CL							2		FILL EXIST. 15" CMP
L 38+38	24	LT								4	REMOVE EXIST. 18" RCP
L 38+44	25	LT								4	REMOVE EXIST. 18" RCP
L 38+41	32	LT								14	REMOVE EXIST. 18" CMP
L 38+41	22	LT								2	REMOVE EXIST. 18" CMP
L 38+82	20	LT								79	REMOVE EXIST. 15" RCP
L 38+40	51	RT								60	REMOVE EXIST. 15" CMP
L 38+86	19	RT								89	REMOVE EXIST. 18" CMP
L 40+23	19	RT								181	REMOVE EXIST. 15" CMP
L 45+47	19	LT								109	REMOVE EXIST. 18" RCP
SHEET TOTALS									7	1481	
PROJECT TOTALS									7	1481	

Pipes (SIZE / THICKNESS OR GAUGE):

FROM–TO	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		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	
0617–0615																						92														
0618–0617																					16															
0619–0617																					52															
0622–0619																					92															
0623–0615																				28																
SHEET TOTALS																				28	160	92														
PROJECT TOTALS				60																3432	1268	268										32						

Structures:

Row	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 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	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	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	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	ADJUST C.B.	ADJUST D.I.	ADJUST M.H.	PREFORMED SCOUR HOLE (PER EACH)	MIN. DEPTH C.B., SEE DETAIL SHEET 2D-2	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY
L 45+73 (0618)		1														1									1														
L 46+20 (0619)		1			1	1																																	
L 45+13 (0623)		1			1			1																															
SHEET TOTALS		3			2	1		1								1									1														
PROJECT TOTALS		73	38.1		57	9	28	22	1				9	9		3							2		2			1		1		1	3		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