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TGSLTW1014

COMPUTED BY:	BJH	DATE:	03-26-24
CHECKED BY:	REL	DATE:	03-26-24

PROJECT NO.	SHEET NO.
U-5809	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 / SIZE / THICKNESS OR GAUGE	OFFSET		STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	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
			0532	0465		906.4	903.9														60												
L 24+50	53	RT	0533		911.7																												
			0533	0532		908.5	907.1			28																							
L 25+30	25	RT	0534		913.8																												
			0534	0532		910.1	906.9	0.6												80													
L 26+06	25	RT	0535		916.8																												
			0535	0534		913.2	910.1	0.6												76													
L 26+07	36	RT	0536		917.0																												
			0536	0535		914.6	913.4			12																							
L 26+49	25	RT	0537		918.6																												
			0537	0535		914.0	913.2	0.5												44													
L 26+49	35	RT	0538		918.9																												
			0538	0537		914.3	914.2			12																							
L 26+50	56	RT	0539		916.8																												
			0539	0538		914.5	914.3			20																							
L 26+61	67	RT	0540		922.3																												
			0540	0539		915.9	914.5			16																							
L 26+73	37	RT	0541		918.7																												
			0541	0538		915.4	914.3			24																							
L 27+07	36	RT	0542		921.3																												
			0542	0541		918.1	915.4												32														
L 27+34	25	RT	0543		922.0																												
			0543	0537		918.8	915.2	0.4											84														
L 27+45	42	RT	0544		922.9																												
			0544	0543		919.7	918.8			20																							
L 27+69	42	RT	0545		923.7																												
			0545	0544		920.5	919.7												24														
L 28+19	25	RT	0546		925.4																												
			0546	0543		922.3	918.8												84														
L 28+19	33	RT	0547		925.9																												
			0547	0546		923.3	922.3			8																							
L 29+06	25	RT	0548		928.8																												
			0548	0510		925.3	925.0	0.5												28													
L 29+47	33	RT	0549		929.9																												
			0549	0550		926.7	926.6			8																							
L 29+53	33	RT	0550		931.6																												
			0550	0551		926.6	926.5			8																							
L 29+53	25	RT	0551		930.5																												
			0551	0548		926.3	925.3	0.5												48													
L 30+44	32	RT	0552		933.5																												
			0552	0553		930.3	930.2			12																							
L 30+55	33	RT	0553		934.8																												
			0553	0554		930.2	930.1	0.3		8																							
L 30+55	25	RT	0554		934.1																												
			0554	0551		930.1	926.5	0.6											100														
L 31+94	0	CL	0555		939.3																												
			0555	0514		936.1	932.0	0.7											44														
L 31+93	57	RT	0556		940.0																												
			0556	0555		936.8	936.1	0.6											56														
Y3 11+10	38	RT	0557		945.0																												
								SHEET TOTALS		176									424	276	60												

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 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
	0532	0465																												
L 24+50	0533			1												1	1													
	0533	0532																												
L 25+30	0534			1			1			1																				
	0534	0532																												
L 26+06	0535			1			1			1																				
	0535	0534																												
L 26+07	0536			1												1	1													
	0536	0535																												
L 26+49	0537			1			1			1																				
	0537	0535																												
L 26+49	0538			1												1	1													
	0538	0537																												
L 26+50	0539			1												1	1													
	0539	0538																												
L 26+61	0540			1	1.4		1	1																						
	0540	0539																												
L 26+73	0541			1			1	1																						
	0541	0538																												
L 27+07	0542			1												1	1													
	0542	0541																												
L 27+34	0543			1			1			1																				
	0543	0537																												
L 27+45	0544			1			1	1																						
	0544	0543																												
L 27+69	0545			1			1	1																						
	0545	0544																												
L 28+19	0546			1			1			1																				
	0546	0543																												
L 28+19	0547			1												1	1													
	0547	0546																												
L 29+06	0548			1			1			1																				
	0548	0510																												
L 29+47	0549			1																									1	30
	0549	0550																												
L 29+53	0550			1												1	1													
	0550	0551																												
L 29+53	0551			1			1			1																				
	0551	0548																												
L 30+44	0552			1																									1	30
	0552	0553																												
L 30+55	0553			1												1	1													
	0553	0554																												
L 30+55	0554			1			1			1																				
	0554	0551																												
L 31+94	0555			1								1				1	1													
	0555	0514																												
L 31+93	0556			1												1	1													
	0556	0555																												
Y3 11+10	0557			1			1			1																				
SHEET TOTALS				25	1.4		13	4		9		1				10	10												2	60

LINE & STATION	FROM	TO	J.B. STD. 840.31 OR STD. 840.32	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	SPRING BOX STD. 840.41	FLUME UNDER S.W., SEE DETAIL SHEET 2D-1	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	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.	TB2GI-A (36"), SEE DETAIL SHEET 2D-4	TB2GI-A (30"), SEE DETAIL SHEET 2D-5	15" C.S. ELBOW	18" C.S. ELBOW	24" C.S. ELBOW	30" C.S. ELBOW	36" C.S. ELBOW	CONFLICT BOX, SEE DETAIL SHEET 2D-2	TB4GI, SEE DETAIL 2D-3		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
	0532	0465																															
L 24+50	0533																																
	0533	0532																															
L 25+30	0534																																
	0534	0532																															
L 26+06	0535																																
	0535	0534																															
L 26+07	0536																																
	0536	0535																															
L 26+49	0537																																
	0537	0535																															
L 26+49	0538																																
	0538	0537																															
L 26+50	0539																																
	0539	0538																															
L 26+61	0540																																
	0540	0539																															
L 26+73	0541																																
	0541	0538																															
L 27+07	0542																																
	0542	0541																															
L 27+34	0543																																
	0543	0537																															
L 27+45	0544																																
	0544	0543																															
L 27+69	0545																																
	0545	0544																															
L 28+19	0546																																
	0546	0543																															
L 28+19	0547																																
	0547	0546																															
L 29+06	0548																																
	0548	0510																															
L 29+47	0549																																Driveway DI, L=30'
	0549	0550																															
L 29+53	0550																																
	0550	0551																															
L 29+53	0551																																
	0551	0548																															
L 30+44	0552																																Driveway DI, L=30'
	0552	0553																															
L 30+55	0553																																
	0553	0554																															
L 30+55	0554																																
	0554	0551																															
L 31+94	0555																																
	0555	0514																															
L 31+93	0556																																
	0556	0555																															
Y3 11+10	0557																																
SHEET TOTALS																																	

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