DATE: 1/16/2023 MJB COMPUTED BY: DATE: 11/7/2023 ASB **CHECKED BY:**

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO.

R-2577A 3D-11

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" & UNDER)

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)																																
LINE & STATION	STRUCTURE NO.	ATION	VATION IRED SLOPE	(RCP, CSP, C	DRAIN PIPE CAAP, HDPE, PP o PVC)	or	C.S. PIPE		R.C. PIPE CLASS III		R.C. PIPE CLASS IV		PIPE AS NOTED		STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)	QUANTITIES FOR DRAINAGE STRUCTURES	LIN.		CONCRETE TRANSITIONAL SECTION				J. 840.29								C.B. N.D.I. D.I. G.D.I. G G.D.I.(N.S.)	CATCH BASIN NARROW DROP INLET DROP INLET GRATED DROP INLET (NARROW SLOT)
SIZE	5	TOP ELEV	NVERT ELE	15" 18" 24" 30	30"	15" 18	3" 24" 30" 3	6'' 42'' 48	3'' 15'' 18''	24" 30" 36" 42" 48"	15" 18" 24" 30"	36" 24"	24" 30" 30)" 48" 48"	CU. YARDS	A	FT.			9	.27	TES STD. 8 STD. 840.22 NTES STD. 8	RATES. STD. TD. 840.30		840.37	54			rd. 840.71		J.B. M.H. T.B.D.I.	JUNCTION BOX MANHOLE TRAFFIC BEARING DROP INLET
THICKNESS OR GAUGE	FROM		III WIW %		DO NOT USE CSP DO NOT USE CAAP	DO NOT USE HDPE, PP, OR F	.064	.109	601.			Trenchless W.S. (IN SOIL)	Trenchless W.S. (NOT IN SOIL) Trenchless W.S. (IN SOIL)	ກ ≤ ທ	R.C.P.	PER EACH (0' THRU 5.0') 5.0' THRU 10.0'	10.0' AND ABOVE C.B. STD. 840.01 OR STD. 840.02	TYPE O GRATE		D.I. STD. 840.14 OR STD. 840.15 D.I. FRAME AND GRATE STD. 840.1	TYPE "B" STD. 840 TYPE "B" STD. 840 TYPE "D" STD. 840	G.D.I. FRAME WITH TWO FLAT GRAGD.I. FRAME WITH TWO GRATES SG.D.I. (N.S.) FRAME WITH TWO GRA	G.D.I. (N.S.) FR. WITH TWO FLAT GI	SPRING BOX, STD. 840.41 J.B. STD. 840.31 OR 840.32 TBJB STD. 840.34	T.B.D.I. STD. 840.35 STEEL GRATE AND FRAME STD. 84	COVER STD. 84	BERM DRAINAGE OUTLET OTCB STD. 840.04 OR 840.05	FLOWABLE FILL (CY) C.S. PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. ST	PIPE REMOVAL LIN. FT.		DROP INLET TRAFFIC BEARING JUNCTION BOX ARKS
	LT 1024 10	- 	945.4 0.5%	6					68																							
- L- 72+98.05 -54	LT 1021 10	948.6 023 945.5 951.4	945.4 0.5%	6					20							1 1 1 0				1 1												
- L- 72+98.03 -38	LT 1023 10	026 945.4	945.0 0.5%	6					144							1 1.0																
- L- 71+56.91 -53	LT 1020 LT 1020 10		945.0 0.4%	6					16							1				1 1												
- L- 71+56.91 -38	LT 1026 S	949.1 936 945.0	943.3 0.5%	6					108							1	1	1												27		
-L- 75+93.00 -52	LT 1048 LT 1049			24 24																										19		
-L- 77+42.00 -51	LT 1050 LT 1051			20 20																										43		
-L- 78+22.00 62	+ + + + + + + + + + + + + + + + + + + +			20																										20		
-L- 78+67.00 63 -L- 79+75.00 61	1			20 20																										21 24		
-L- 81+32.00 67 -Y7- 11+61.00 26	RT 1056 RT 1057			40																										21 33		
-L- 81+83 -61	LT															1								1						PC	DSSIBLE SPRING BOX	
SHEET 11																																
	LT 1146 LT 1146 1	923.5 125 918.2	917.5 0.6%	6					52							1 0.2	1	1														
- L- 92+75.00 -50	LT 1117 1	919.2	916.0 0.4%						16							1					1		1									
- L- 92+75.00 -37	LT 1101 LT 1101 1	920.0	912.9 0.5%						76							1	1		1									4		29		
- L- 94+00.00 -50	LT 1134	914.0							70		16					1					1		1					7				
- L- 94+00.00 -37	LT 1134 11 LT 1135	914.7	910.7 1.0%								10					1	1		1													
- L- 93+50.00 -37	LT 1135 1 ² LT 1102	916.9	910.5 0.6%								52					1 1.4	1		1													
	RT 1102 1 ²	924.4	910.3 0.5%								76					1	1	1														
	RT 1103 11 RT 1105	920.4	919.7 0.5%	6					96							1					1		1							43		
	RT 1105 1	920.9	918.2 0.5%	6					64							1					1		1							$\overline{+}$		
- Y25- 11+00.00 -32	LT 1106 1 ²		918.1 0.5%	6					36							1	1	1												##		
- Y25- 10+66.82 -30	LT 1132 1 ²		917.1 0.5%	6					60							1		1														
- L- 92+50.00 37	RT 1107 1	108 917.1	912.9 0.6%	6					104							1																
- L- 93+50.00 37	RT 1108 RT 1108 1		909.8 0.5%	6					48							1 1.9	1	1														
	LT 1155 1155 1155 1155 1155 1155 1155 11	921.2 917.0 917.0	915.5 0.4%	6					60							1	1	1														
3D-11 SHEET TOTALS				232					808 160		144					18 4	5 1	1 1 7	3	2 2	4		4	1				4		357		

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