COMPUTED BY:
 MJB
 DATE:
 1/16/2023

 CHECKED BY:
 ASB
 DATE:
 11/7/2023

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO. R-2577A 3D-12

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)

	T	1	T			Τ				11_									_																		
LINE & STATION		CTURE NO.					SIDE DRAII SP, CAAP, PVC)	, HDPE, PI	P or	C.S	5. PIPE		R.C. CLAS	PIPE SS III	R.C. PIPE CLASS IV	PIPE	as notei)	STD. 838 OR	.01 O	INAGE URES	*TOTAL L.F. FOR PAY ANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')	GF AND	RAME, RATES, D HOOD	NCRETE TRANSITIONAL SECTION												ABBREVIATIONS C.B. CATCH BASIN N.D.I. NARROW DROP
	SET	STRU	VATION	-EVATION	EVATION													STD. 838.11 (UNLESS NOTED OTHERWISE)		LIN. FT.			ANDARD 840.03	<u> </u>			D. 840.20 .22 D. 840.24							_		INLET D.I. DROP INLET G.D.I. GRATED DROP INLET G.D.I.(N.S.) (NARROW SLOT) J.B. JUNCTION BOX	
SIZE	- - - - -		TOPELE	INVERT EL	INVERT E	15" 18" 24	4'' 30''		R PVC	5" 18" 24" 3	36" 36" 4	42'' 48'' 15'' 1	8" 24" 30"	36" 42" 48"	15" 18" 24" 30" 36	24" 24" 3	0" 30" 48	3" 48"	CU. YARI	DS	Α	В	_			0.16	40.27	RATES STI S STD. 840. RATES STI	GRATES. 8 STD. 840.3		TD. 840.37 J. 840.54				STD. 840.7		M.H. MANHOLE T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING
THICKNESS		WC C			W %		OT USE RCP	NOT USE CSP OT USE CAAP	E HDPE, PP, O	4 4 4 4		o o				S. (IN SOIL) (NOT IN SOIL)	S. (IN SOIL) (NOT IN SOIL)	(NOT IN SOIL)	هـ:	٩. و و و و و و و و و و و و و و و و و و و	ი		R STD. 840.02	PE OF		RATE STD. 840.15	D. 840.19 OR 840.28	H TWO FLAT G H TWO GRATES E WITH TWO G	TH TWO FLAT	. 840.41 R 840.32	5 D FRAME S COVER STI		NAGE OUTLET 840.04 OR 840.05 FILL (CY)	NO. & SIZE	PE PLUG, C.Y.		T.B.J.B. TRAFFIC BEARING JUNCTION BOX
OR GAUGE		FROM					100	TOD NOD	DO NOT US	.064	70.	0t.				Trenchless W Trenchless W.S.	Trenchless W.S.	Trenchless W.S.	R.C	C.S	FER EACH (0 1 IN 5.0' THRU 10.0'	10.0' AND ABOVE	с.В. STD. 840.01 О т	F G	DROP INLET CATCH BASIN	D.I. STD. 840.14 OF D.I. FRAME AND G	G.D.I. TYPE "B" STD. G.D.I. TYPE "D" STD.	15 15 2	G.D.I. (N.S.) FR. WIT DRIVEWAY DROP IN	SPRING BOX, STD. J.B. STD. 840.31 OI TBJB STD. 840.34	T.B.D.I. STD. 840.3 STEEL GRATE ANI M.H. FRAME AND	ADJUST MH ADJUST CB	BERM DRAINAGE OTCB STD. 840.04 FLOWABLE FILL (C.S. PIPE ELBOWS	CONC. & BRICK PI	PIPE REMOVAL LII	REMARKS
SHEET 11 (cont.)	00 1.7	4400 44	40	000.4	045.5	24				20																					. , , , _			0 0 40			
- L- 85+55.00 - L- 85+60.00	-60 LT -42 LT	1120 11 1119	920.7							20										,	1 0.7		1	1										2 @ 18			
- L- 85+60.00 - L- 85+03.11	-42 LT -38 LT	1119 11 1118	18 920.6		914.8 0.4	%							56							,	1 0.7		1 1														
- L- 85+03.11	-38 LT	1118 11	60	914.8	914.7 0.4	%							28																								
- L- 86+43.00 - L- 86+43.00	8 RT 8 RT	1121 1121 11	60	918.4	915.2 1.8	%						1	140								1				1	1 1									i	+ +	
- L- 85+03.11	-8 LT	1160	921.4										44								1 1.7				1	1 1											
- L- 85+03.11 - L- 86+80.00	-8 L1 50 RT	1160 11 1145	922.1	1	914.4 0.4	%							44								1		1	1											<u> </u>		
- L- 86+80.00 - L- 85+90.00	50 RT 44 RT	1145 11 1122	920.8	917.8	915.2 0.4	%							88								1 0.6		1	1												21	
- L- 85+90.00	44 RT	1122 11	16	915.2	914.9 0.4	%							88								1 0.0		1													21	
- L- 85+03.11 - L- 85+03.11	39 RT	1116 1116 11	920.6		914.4 0.4	%							20					+		<i>,</i>	1 1.1		1 1							++					<u> </u>	+	<u> </u>
- L- 84+81.50	38 RT	1115	920.5										20							,	1 1.1		1	1													
- L- 84+81.50 - L- 87+00.00	38 RT -108 LT	1115 10 1123 11			914.3 0.4 ¹ 918.5 1.8 ¹					32			32																				1	2 @ 18	<u> </u>	+	
- L- 87+17.00	-82 LT	1124	922.8			,				32										,	1		1	1										2 6 10			
- L- 87+17.00 - L- 88+30.00	-82 LT -57 LT	1124 11 1131 11			918.2 0.6 ⁶ 919.5 1.7 ⁶	%					20		68																					2 @ 30		-	
- L- 88+30.00	-38 LT	1125	924.8																	,	1 3.2		1	1													
- L- 88+30.00 - L- 88+40.00	-38 LT 38 RT	1125 11 1126	924.9	+	916.2 0.5	%									72					,	1 3.7		1	1											i	+	
- L- 88+40.00	38 RT	1126 11		916.2		%							88	8																							
- Y8- 11+00.00 - Y8- 10+97.00	-48 LT -20 LT	1128 11 1127	920.5	+	914.0 0.5	%					+	28								,	1 2.5		1	1												85	
- Y8- 10+97.00	-20 LT	1127 11			912.8 0.6	%									44						4 40											1					
- Y8- 11+00.00 - Y8- 11+00.00	25 RT	1137 1137 11	919.7		912.2 0.6	%							80	0							1.9									1							
- Y8- 11+78.00	-28 LT	1129 11		1	913.2 0.4	%									48						1 00											1					
- Y8- 11+79.00 - Y8- 11+79.00	21 RT	1138 1138 11	917.8		912.0 0.6	%							36	6							0.6									1					<u> </u>		
- L- 96+50.00	40 RT 40 RT	1112 1112 11	901.9	_	892.9 0.4	0/4									104					,	1		1	1													
- L- 96+50.00 - L- 97+50.00	40 RT	1112 11	896.9	1	092.9 0.4	70									104						1		1	1													
- L- 97+50.00 - L- 96+50.00	41 RT -77 LT	1113 12 1136 11	10	+	883.2 0.5 ⁶ 897.9 2.0 ⁶					40					216									$+$ \overline{T}									1	2 @ 15			
- L- 96+50.00 - L- 96+50.00	-11 LT	1110								-10											1		1	1									'	2 W 10			
- L- 96+50.00 - L- 97+50.00	-40 LT	1110 11 1111	896.9	1	892.9 0.6	%									104						1		1	1	+										i	+	,—————————————————————————————————————
- L- 97+50.00	-41 LT	1111 12	_		885.8 0.6	%									152																						
-L- 89+23.00 -Y8- 12+39.00	63 RT	1139 1140				20			+ +	+							+	+							+										i	42	,
-Y8- 11+62.00	-34 LT	1142				28																														28	
-Y25- 12+17.00 -Y25- 12+20.00	27 RT -27 LT	1115 1116				24	+		+ +	+				+ + +			++	+														++			i		,—————————————————————————————————————
-Y25- 12+88.00	22 RT	1156				20																												2 @ 15		21	
-Y25- 12+81.00 3D-12 SHEET TOTALS	-25 LT	1157	_			20 160	++	++-	+	40 52	20	28 3	384 180 204	4	576 48 116		++	++		\dashv	18 17.9		14 2	5 7	2	2 2				2		2	2	4 @ 18 2 @ 30	i	218	
92			•	•		• 1	1		<u> </u>	1 1	- 1		, , , , , ,	1 1	•	• •		<u>, 1</u>	<u> </u>					1 1		1 1	1	<u> </u>		1 1	<u>, , 1 </u>		<u>, , , , , , , , , , , , , , , , , , , </u>				

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