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-10

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)

1	1	1		1) <u> </u>								<u> </u>															1			
LINE & STATION	<u> </u>	STRUCTURE NO.	ATION	VATION	ATION		SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, PP or PVC)			C.S. PIPE				R.C. PIPE CLASS III		R.C. PIPE CLASS IV	PIPE AS NOTED				QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')			FRAME, GRATES, AND HOOD STANDARD 840.03	CONCRETE TRANSITIONAL SECTION			40.20). 840.29								ABBREVIATIONS C.B. CATCH BASIN N.D.I. NARROW DROP INLET D.I. DROP INLET G.D.I. GRATED DROP INLET G.D.I.(N.S.) (NARROW SLOT)	
SIZE	OFFSE		ELEV/	T ELE	RT ELE	15" 18" 2	24'' 30''			15" 18" 24"	' 30'' 36'	42" 48"	15" 18"	24" 30" 36" 42"	48" 15"	18" 24" 30" 36	24" 24	30" 30"	48" 48"	CU. YA	RDS	A	FT.	$+ \parallel$					STD. 8 840.22	ES. STE 40.30						40.71		J.B. JUNCTION BOX M.H. MANHOLE T.B.D.I. TRAFFIC BEARING
THICKNESS OR GAUGE		FROM		INVEF	INVEF		DO NOT USE RCP	DO NOT USE RCP DO NOT USE CSP	DO NOT USE HDPE, PP, OR PVC	.064	970. 970.	.109	- POI -				Trenchless W.S. (IN SOIL)	Trenchless W.S. (IN SOIL) Trenchless W.S. (NOT IN SOIL)	Trenchless W.S. (IN SOIL) Trenchless W.S. (NOT IN SOIL)	R.C.P.	C.S.P.	R EACH (0' THRU 5.0')	THRU 10.0' 3' AND ABOVE 5. STD. 840.01 OR ST	GRATE	OP INLET	TD. 840.14 OR STD. RAME AND GRATE	G.D.I. TYPE "A" STD. 840.17 OR 840.26 G.D.I. TYPE "B" STD. 840.18 OR 840.27 G.D.I. TYPE "D" STD. 840.19 OR 840.28	FRAME WITH TWO FRAME WITH TWO	D.I. (N.S.) FRAME WITH TWO FLAT GRATES D.I. (N.S.) FR. WITH TWO FLAT GRAT RIVEWAY DROP INLET LIN. FT. STD. 8	PRING BOX, STD. 840.41 3. STD. 840.31 OR 840.32 3. IR STD. 840.34	EEL GRATE AND FRAME STD. 840.35	_'	FRM DRAINAGE OUTLET CB STD. 840.04 OR 840.05 OWABLE FILL (CY)	S. PIPE ELBOWS NO. & SIZE	ONC. & BRICK PIPE PLUG, C.Y. STD.	PE REMOVAL LIN. FT.	T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING JUNCTION BOX REMARKS	
SHEET 10 (cont.)			+	+	+		++		+								++	++				PE 5.0	10.	- S	E F G	CA DR		9 9	5 5 5	G. G. C	SP J.B TB	ST S	AD AD	B C	S:	8		
- Y5- 23+30.70	26 RT	1016	937.5	_	000 0 0 5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							00									1				1	1 1											
- Y5- 23+30.70 - Y5- 20+50.00	26 RT 32 RT		036 933.2	_	933.0 0.5	%							28									1 0.5						1		1								
- Y5- 20+50.00 - Y5- 22+50.00	32 RT		034 071	+	927.2 0.4° 927.7 1.8°	%				26				156										++										1	2 @ 15			
- Y5- 22+00.00	52 RT	1034	933.8							30												1 2.2						1		1					2 (2) 13			
- Y5- 22+00.00 - Y5- 22+50.00	52 RT	1034 1 1071	936.6	+	926.5 0.49	%								56								1 50	0.1	1	1													<u> </u>
- Y5- 22+50.00	29 RT		058		926.4 0.49	%								32								1 3.0	0.1															
- Y5- 22+63.35 - Y5- 22+63.35	1 RT 1 RT		937.5 035		926.3 0.49	%								44								1 5.0	1.1			1	1 1											
- Y5- 22+50.00 - Y5- 22+50.00	-40 LT	1035	931.7 043		925.9 0.4°									116								1 0.4		++			+	1		1							-	
- L- 78+84.00	-40 LT	1037	937.4		923.9 0.4	70								110								1				1	1 1											
- L- 78+84.00 - L- 79+28.00	-8 LT	1037 1 1038	038 937.4	933.4	933.2 0.59	%							44									1		++		1	1 1										-	
- L- 79+28.00	3 RT	 	036	_	933.0 0.69	%							56													'												
- L- 79+18.00 - L- 79+18.00	-53 LT -53 LT	1036 1036 1	937.5 043		926.9 0.5	%							96									1				1	1 1										-	
- L- 80+15.00	-50 LT	1043	932.6			70							00									1 1.7		1	1													
- L- 80+15.00 - L- 81+00.00	-50 LT -50 LT	1043 1 1017	017 928.7	+	923.5 0.49	%								84	\vdash		+					1 03		1	1												-	
- L- 81+00.00	-50 LT	1	018	_	914.7 0.49	%								124								1 0.5																
- L- 84+40.00	-38 LT	1022 1022 1	920.8 065	916.5	916.2 0.5								00									1		1	1													
- L- 84+40.00 - L- 83+48.13	-38 LT	1022	921.8	_	910.2 0.3	70							92									1 0.6		1	1													
- L- 83+48.13	-38 LT	 	018 018	_	915.7 0.4° 915.2 0.6°					1 1	4		124											+											2 @ 24			
- L- 82+42.73 - L- 82+25.00	-11 LT	1018	924.5							42	7											1 5.0	0.3	1	1										2 W 24			
- L- 82+25.00 - L- 84+50.00	-41 LT	1018 1 1025	920.7	914.2	913.7 0.49	%	+							88								1 1.5			1										4			
- L- 84+50.00 - L- 84+50.00	38 RT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	920.7		914.0 0.49	%								84								1 1.5			'													
- L- 83+68.00 - L- 83+68.00	38 RT	1008 1008 1	921.3 040		913.4 0.49	26			$+$ $\overline{1}$					92								1 2.3		1	1													
- L- 82+25.00	50 RT	1008	924.6		313.4 0.4	70								VL								1 5.0	0.9	1	1													
- L- 82+25.00 - Y7- 11+00.00	50 RT 36 RT	1005 1 1039	918.5	_	913.4 0.59	%	+		 					64								1								1							285	
- Y7- 11+00.00	36 RT	1039 1	007	914.1	913.5 0.5	%							16									'								1								
- Y7- 11+00.00 - Y7- 11+00.00	23 RT 23 RT	1007	922.2 040		912.4 0.5°		$+\Gamma$		+					40								1 3.8	_	1	1									1 1			+	
- Y7- 11+00.00 - Y7- 11+00.00	-20 LT	1040	922.0											40								1 5.0	0.1	1	1									1	-		65	
- Y7- 11+00.00 - Y7- 13+45.70	-20 LT		922.0	911.9	911.2 0.49	%	+		+			+		244								1 50	0.8							1								
- Y7- 13+45.70	-15 LT	1066 1	067	911.2	894.2 1.59	%						132										1 0.0	0.0							+ +					2 @ 42			
- Y7- 13+50.00 - Y7- 13+50.00	-148 LT -148 LT	 	900.5		803.0	0/0	+		+			+		E0								1 1.3		+				1 1		1								
- Y7- 13+50.00 - L- 73+64.69	-56 LT	1019	950.2		893.9 0.49									36								1					1 1											
- L- 73+64.69	-56 LT -38 LT	1019 1	024 952.1	947.1	947.0 0.49	%							20									1 0.1		1	1										2 @ 15 2 @ 24			
- L- 73+64.69 3D-10 SHEET TOTALS		1024	902.1							36 44	4	132	20 456	332 456 192 300								24 44		3.4 12	5 7	5	6 6	6		6				1 10			350	

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