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-2577A3D-19

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)

LINI		SET		STRUCTURE NO.	EVATION	LEVATION	LEVATION	QUIRED SLOPE		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		ENDWALLS		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	CRETE TRANSITIONAL SECTION			D. 840.20	. 840.24 TD. 840.29	0								C.B N.D.I D.I. G.D.I G.D.I.(N J.B.	. NAI D . GRATI .S.) (NA	ATCH BASIN RROW DROP INLET DROP INLET ED DROP INL ARROW SLOT INCTION BOX	.ЕТ)	
Siz	ZE	OFF			TOP ELI	VERT E	VERT E	MUM RE	15" 18" 24'	" 30"		25" 25	18" 24"	30" 36" 42"	48'' 15''	18" 24" 3	36" 42"	48'' 1	5" 18" 24	" 30" 36	" 24" 2	24" 30" 30	0" 48"	48" CU.	YARDS		A B					16 0.26 0.27	28 TES STI	TES STI	D. 840.3		54				.D. 840.7		M.H T.B.D	I. TRAF	MANHOLE FFIC BEARING DROP INLET	3
THICK OR GA			FROM	ТО	·	N	N	WINIW %		DO NOT USE RCP	DO NOT USE RCP DO NOT USE CSP DO NOT USE HDPE, PP, OR PY	DO NOT USE HDPE, PP, OR P	.064		.109						renchless W.S. (IN SOIL)	chless chless chless chless enchles	enchless W.S. (NOT IN SOIL) Trenchless W.S. (IN SOIL)	enchless W.S. (NOT IN SOIL) R.C.P.	C.S.P.	=ACH	HRU 10.0' AND ABOVE	STD. 840.01 OR STD. 840.02	TD. 840.01 OR STD. 840.02 STD. 840.02 ATD.	INLET H RASIN	TD. 840.14 OR STD. 840.15	840. R 84 R 84	TYPE "D" STD. 840.19 OR 840.7 FRAME WITH TWO FLAT GRA	(N.S.) FRAME WITH TWO GRA (N.S.) FRAME WITH TWO GRA	EWAY DROP INLET LIN. FT. ST NG BOX, STD. 840.41		IL GRATE AND FRAME STD. 840. FRAME AND COVER STD. 840.54 IST MH	IST CB	M DRAINAGE OUTLET 3 STD. 840.04 OR 840.05 VABLE FILL (CY)	IPE ELBOWS NO. & SIZE	C. & BRICK PIPE PLUG, C.Y. ST	REMOVAL LIN. FT.	T.B.J.	B. TRAF JU REMARKS	TRAFFIC BEARING JUNCTION BOX	
PHEET 4	9 (aant)									$\perp \perp$											 	<u> </u>	= -	<u> </u>			5.0' T	C.B.	E F G	DRO	DI. S	G.D.I. F	G.D.I.	G.D.I.	SPRII	TBJB 1.B.D	M.H.	ADJU	DTCE FLOV	C.S.	CONC	PIPE				_
SHEET 1: - L- 179 - L- 179 - L- 187 - L- 185 - L- 180 - L- 183 - L- 184 - L- 187 - L- 189	+60.61 +30.38 +30.38 +90.00 +90.00 +50.00 +47.78 +47.78 +60.00 +28.34 +28.34 +28.00 +28.00 +40.82 +38.48 +09.00 +70.77 +82.23	41 R ⁻ 41 R ⁻ 41 R ⁻	Γ 180 Γ 180 Γ 181 Γ 181 Γ 181 Γ 181 Γ 181 Γ 181 Γ 182 Γ 182 Γ 183 Γ 182 Γ 182 Γ 182 Γ 182 Γ 182 Γ 182	5	936.4 930.9 935.8 930.5	932.2 929.5 926.2 931.8 924.5	911.3 926.7 926.7 925.7 926.5	0.8% 2.2% 0.6% 0.5%		28 28			16			28	24		244	38	36					1 1 1	1.0									1	1					7.				
SHEE - L- 194 - L- 194 - L- 194 - L- 193 - L- 193 - L- 193 - L- 193 - L- 192 - L- 191 - L- 190 - L- 190 3D-19 SHEE	+15.22 +15.22 +15.22 +15.22 +52.02 +52.02 +06.30 +14.27 +14.27 5+04.00 5+04.00 +67.99 +18.14 +18.14 +82.18 +82.18 +73.31 +73.31	-6 L1 -48 L1 -48 L1 -51 L1 -51 L1 -53 L1 -53 L1 -53 L1 -142 L1 -142 L1 -123 L1 -41 L1 -41 L1 -41 L1	T 190 T 192 T 192 T 192 T 196 T 196 T 196 T 197	9 1908 8 1905 5 1903 4 1903 3 1906 6 1907 1 1 1920 0 1906 7 1901	949.3 949.3 948.6 946.4 947.2 945.4	947.9 946.9 945.3 951.5 944.6 942.4	945.3 944.6 944.6 942.4 944.2 942.4 938.9	0.5% 2.3% 0.7% 1.1% 0.4% 0.5%				36	16				24 28		44		366					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 8	1	1 1 1	1 1 1 3				1			1	2 @	15	21.	1			

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