COMPUTED BY:
 MJB
 DATE:
 7/26/2023

 CHECKED BY:
 RBH
 DATE:
 7/26/2023

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

 PROJECT REFERENCE NO.
 SHEET NO.

 1-5972
 3D-2

Note: Invert Elevations indicated are for Information Purposes only and should be verified by the contractor for project construction stakeout. See "Standard Specifications for Roads and Structures, Section 300-5."

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

LINE & STATION		H.	STRUCTURE NO.	ATION	VATION	VATION	JIRED 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			STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)		QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')		G AN STA	FRAME, FRATES, ID HOOD ANDARD 840.03	CONCRETE TRANSITIONAL SECTION			840.20	840.24 D. 840.29									C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S	GI	CATCH BA NARROW D INLET DROP INL RATED DROF (NARROW S	DROP LET P INLET SLOT)					
SIZE		OFFSE		TOP ELEV	VVERT ELE	NVERT ELE	MUM REQU	15'' 18	" 24" 30"	36" 42"	'' 48''		PVC	15'' 18'	24" 30"	36" 42"	48" 15	18" 2	30"	36'' 42	48"	15" 18"	24"	30" 42	2" 30"	30" 36	6" 36" 4	42" 42"	CU. YA	ARDS	ŀ	A F					97	0.26	RATES STD. S STD. 840.22 RATES STD.	≒	040 07	0.54		SIZE		STD. 840.71	D. 840.72		J.B. M.H. T.B.D.I	. 1	JUNCTION MANHOL RAFFIC BEA DROP INL	LE ARING
THICKNESS OR GAUGE			FROM	10	=	=	JIW %				DO NOT USE CAP DO NOT USE CAAP DO NOT USE HDPE, PP, OR	. 064	.064	.064	.064 .079 .079 .109	.109								≥ ∞ ≥	Trenchless W.S. (IN SOIL) Trenchless W.S. (IN SOIL) Trenchless W.S. (IN SOIL)		ه این او	C.S.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 G.B. STD	YPE OF GRATE	OP INLET	ASIN 340.14 OR STD	AND GRATE STD. 84 "A" STD. 840.17 OR 8 "B" STD. 840.18 OR 8 "D" STD. 840.19 OR 8	I. FRAME WITH TWO FLAT G	J. (N.S.) FR. WITH TWO FLAT (STD. 840.31 OR 840.32	IB STD. 840.34 D.I. STD. 840.35	M.H. FRAME AND COVER STD. 840.54 ADJUST MH ADJUST CB	ADJUST DI FLOWABLE FILL (CY)	DRAINAGE PIPE ELBOWS NO. &		CONC. & BRICK PIPE PLUG, C.Y. §	CONC. COLLARS CL. "B" C.Y. STI	PIPE REMOVAL LIN. FT.	T.B.J.B.		TRAFFIC BEARII JUNCTION BO	ARING		
SHEET 4																																																				
- L- 35+25.47	65	RT	401	402	144.	9 144.9	0.5%										:	24																													0.399	8				
		+																							\perp						\perp														\pm							
SHEET 5																																													\pm							
- Y1- 29+40.92 - Y1- 29+40.92	42 42	RT RT	501 501	152. 502	.8 148.	6 148.3	3 0.4%										4	8													1			1	1													116				
- Y1- 29+40.92 - Y1- 29+40.92	-4 -4	LT LT	502 502	503	.4 145.	5 143.7	7 0.5%										1	6													1	3.9				1	1 ′	1										118				
- L- 60+96.17 - Y1- 35+81.00	-73 -45	LT LT	529 513	OUT 173.	.6	7 143.2	2 0.3%												160												1										1	1						51				
- Y1- 35+81.00 - RPB- 16+45.31	-45 49	LT RT	513 530	514 OUT	170. 144.	0 143.2 7 144.3	_							124										168					3.1															2 @	15			85	2 @ 30" RCP-I	IV		
- L- 58+35.00 - L- 58+35.00	0	CL CL	533 533	149. 534		7 146.8	3 0.5%										20	64			\square										1								1 1													
- Y1- 38+67.00 - Y1- 38+67.00	-45 -45	LT	511 511	172. 512	.1		7 1.8%							144																	1										1	1	11	2 @	15	0.13		50				
- Y1- 42+44.45	37	RT	508	160.	.2									144																	1			1	1									2 @				30				
- Y1- 42+44.45 - Y1- 41+95.00	37	RT RT	508 509	509 161.	.7 157.	0 156.8	3 0.4%										4	.8													1	1.7		1	1								7			0.13						
- Y1- 41+95.00 - Y1- 32+18.46	37 37	RT RT	509 504	532 162.	.5 155.	0 142.0	2.1%							68																	1	0.2		1	1								10	2 @	15	0.232						
- Y1- 32+18.46	37	RT	504	505	157.	2 157.1	1 1.1%											2																1											#							
- Y1- 32+28.46 - Y1- 32+28.46	37	RT	505 505	506 162.	156.	8 145.8	_							84							$\pm \pm$											1.0		<u> </u>	1									2 @	15							
- RPC- 24+20.19 - Y1- 35+22.01	-69 37	LT RT	522 515	OUT 172.	_	3 145.8	0.6%				++							148	-		++										1			1	1										_		-	50				
- Y1- 35+22.01	37	RT	515	516	169.	0 145.7	7 1.8%							116							\Box						F0 50			2 1	_													2 @	15							
- L- 54+00.25 - L- 55+75.00	-98	CL	523 524	525 150.	.0 146.	9 146.4	1 0.5%																				50 50			3.4	1								1 1				11			0.26						
- L- 55+75.00 - L- 54+00.00		CL CL	524 525	525 149.		9 146.4	1 0.5%				$+\overline{\Gamma}$						1	'2			$+ \overline{1}$										1		T						1 1								+					
- L- 54+00.00	Ů	CL	525	526		3 145.0	0.4%																				46 46																7		士	0.09						
- Y1- 38+10.00 - Y1- 38+10.00	37	RT RT	517 517	518 173.	.2 169.	8 145.2	2 1.8%							96							++		+								1			1	1							+++		2 @	15			58				
- RPC- 17+03.16	-51	LT	521		144.	5 144.0	0.6%																	10	00			126 400	4.5	, ,													4			0.09						
- L- 46+06.28 - Y1- 44+49.99	-82 -105	5 LT		OUT OUT		9 143. ² 1 143. ²	_														$\pm \pm$				96	96		126 126		4.5													4.8			0.13		238				
- L- 61+03.83	-73	LT	537	150.	.0			24				×	××								++																								_							
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SHEET TOTALS								24	0 0 0	0 0	0 0			632	0 0 0	0 0	0 68	148	0 160	0	0 0	0	0 0	168 10	00 96	96	96 96	126 126	7.6	7.9	13	6.9	0	7 0	3 4	1 0	1	1 0 0	3 0 3 0	0 0	0 2	2 0 0	0 0 55	12 @	15	1.06	0.399	774				

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