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-30

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)

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LINE & STATION		STRUCTURE NO.	TION	TION ATION ATION RED SLOPE	RED SLOPE	SIDE DRAIN PIPE RCP, CSP, CAAP, HDPE, PP or PVC)			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')		FRAME, GRATES, AND HOOD STANDARD 840.03	CONCRETE TRANSITIONAL SECTION		840.20	D. 840.29							C.I N.D D. G.D G.D.I.(O.I. NARROW DR INLET I. DROP INLE O.I. GRATED DROP
SIZE	OFFSE			VVERT ELEV	MUM REQUI	5" 18"	24" 30"	,	JA 15'	" 18" 24" 30	36" 42	48" 1	5" 18" 24" 30" 36" 42"	48" 15"	18" 24" 30" 36"	24" 24"	30" 30" 48" 4			,	LIN. FT. A B			.16 10.26 10.27	10.28 ATES STD. STD. 840.22	GRATES. ST		840.37				STD. 840.71	J.E M.I T.B.	B. JUNCTION BO H. MANHOLE D.I. TRAFFIC BEAF
THICKNESS OR GAUGE		FROM			INIW %			DO NOT USE RCP DO NOT USE CSP DO NOT USE CAAP	1DPE, PP, OR	.064	970.	109				Trenchless W.S. (IN SOIL) renchless W.S. (NOT IN SOIL)	Trenchless W.S. (IN SOIL) Trenchless W.S. (NOT IN SOIL) Trenchless W.S. (IN SOIL)	renchless W.S. (NOT IN SOIL) R.C.P.	C.S.P.	PER EACH (0' THRU 5.0')	10.0' AND ABOVE	TYPE OF GRATE	INLET H BASIN	D.I. STD. 840.14 OR STD. 840.15 D.I. FRAME AND GRATE STD. 840.16 G.D.I. TYPE "A" STD. 840.17 OR 840.2 G.D.I. TYPE "B" STD. 840.18 OR 840.2	TYPE "D" STD. 840:RAME WITH TWC	D.I. (N.S.) FR. WITH TWO FLAT (RIVEWAY DROP INLET LIN. FT. SPRING BOX STD 840.41	BJB STD. 840.34 BJB STD. 840.34	STEEL GRATE AND FRAME STD. 840.33 STEEL GRATE AND FRAME STD. 8 M.H. FRAME AND COVER STD. 84 ADJUST MH	DJUST CB ERM DRAINAGE OUTLET ITCB STD. 840.04 OR 840.05	LOWABLE FILL (CY)	.S. PIPE ELBOWS NO. & SIZE	ONC. & BRICK PIPE PLUG, C.Y. (IPE REMOVAL LIN. FT.	DROP INLE J.B. TRAFFIC BEAF JUNCTION BO
SHEET 27 (cont.)																				<u> </u>	9 7) E F (G 0		0 0 0 0		5 → - +	- ⊗ ≥ 4		<u> </u>	O	0	<u>ā.</u>	
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SHEET 28																																		
-L- 305+00.00		2801	007.0			64																				4							49	
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- L- 303+70.00 - L- 303+70.00		2802 2803	937.0	933.0 932.3	1.2%									5	2					1	+ +			1		1								
SHEET 29	++																																	
- L- 303+50.00		2901				76																							1					
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- Y5- 19+50.00		2902 1045	ę	928.0 927.6	0.4%	0.4							100																				04	
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