DATE: 1/16/2023 MJB COMPUTED BY: DATE: 11/7/2023 CHECKED BY:

## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO. 3D-31 R-2577A

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 54" & OVER)

LINE & STATION		STRUCTURE NO.	NOI	TION	TION ED SLOPE	(R	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, PP or PVC)							R.C. PIPE CLASS III		R.C. PIPE CLASS IV		PIPE AS NOTED	REINFORCED ENDWALLS	CED LS	QUANTITIES FOR DRAINAGE STRUCTURES	T* QUA	FRAN GRATI AND HO STAND 840.0	ES, OOD OARD	SECTION	840.20 840.24 B40.24											ABBREVIATIONS  C.B. CATCH BASIN N.D.I. NARROW DROP INLET D.I. DROP INLET G.D.I. GRATED DROP INLET
SIZE	OFFSET		TOP ELEVAT	INVERT ELEVA	INVERT ELEVA	54" 6	0" 66" 72" 78" 8	84"	or PVC	54" 60"	66" 72" 78	8" 84" 54"	60" 66"	72" 78" 8	4" 54" 60"	66" 72" 7	8" 84" 72	72"	CU. YAR	es	A	LIN. FT. B			140.16 840.26 840.27	S STD. . 840.22 S STD.	5   🗝		STD. 840.37 TD. 840.54					Y. STD. 840.71	STD. 840.72		G.D.I.(N.S.) (NARROW SLOT) J.B. JUNCTION BOX M.H. MANHOLE T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING
THICKNESS OR GAUGE		FROM			<b>u</b> %			DO NOT USE RCP	JSE CAA DPE, PP,	.064	.064	. 109						Trenchless W.S. (NOT IN SOIL)		C.S.P. MASONRY DRAINAGE STRUCT	CUBIC YARDS PER EACH (0' THRU 5.0') 5.0' THRU 10.0'	10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.0 B. STD. 840.01 OR S	DROP INLET	CATCH 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 840.26  G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. FRAME WITH TWO FLAT G.D.I. FRAME WITH TWO FLAT G.D.I. FRAME WITH TWO GRAT G.D.I. (N.S.) FRAME WITH TWO G.D.I. (N.S.) FRAME WITH TWO ELA	SPRING BOX, STD. 840.41 SP. DET. J.B. W/ MH	J.B. STD. 840.31 OR 840.32 TBJB STD. 840.34 T.B.D.I. STD. 840.35	TE AND FRAME AND COVER S	ADJUST CB ADJUST DI	CONV JB TO JB CONV CB TO JB	DEEM DRAINAGE OUTLET OTCB STD. 840.04 OR 840.05 FLOWABLE FILL (CY)	C.S. PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.	CONC. COLLARS CL. "B" C.Y. 8	PIPE REMOVAL LIN. FT.	T.B.J.B. TRAFFIC BEARING JUNCTION BOX  REMARKS
SHEET 12 - Y9- 14+65.11	50 RT	1206 124	3	866.4	865.1 0.3%	6								52					7.5																		
- Y9- 15+15.00 - Y9- 15+15.00	47 RT	1243	877.5		861.7 1.2%													68 68			8						1		1			+					SP. DETAIL SEE SHEET 2C-2
- 19- 15+15.00 - L- 101+02.43	-79 LT	1243 120	876.6																		8						1		1								SP. DETAIL SEE SHEET 2C-2
- L- 101+02.43 - L- 101+01.99	-79 LT 80 RT	1208 123 1236	6 871.7	861.7	857.7 0.3%	6											3	80 80			8						1		1			+					SP. DETAIL SEE SHEET 2C-2
- L- 101+01.99	80 RT	1236 1236 120	9		856.5 0.3%	6								52																							S. 1.5 Z. 11 11 Z. 12 Z.
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SHEET 15 - Y14- 13+18.75 - Y14- 13+38.00	-26 LT 17 RT	1513 151 1514	4 857.3		850.8 0.3%	6							48						5.9		4.6							1	1								
- Y14- 13+38.00	17 RT	1514 151	5	850.1	849.6 0.3%	6							28																			+					
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SHEET TOTALS						++							76	104			14	48 148	13.4	2	28.6						3	1	4			+					
PROJECT TOTALS	<del>                                     </del>	+ + -				++						++	76	104	+ + -		1	48 148	13./		0.0			+ + -			1 1 0		+ + +			+++					

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