PROJECT REFERENCE NO. SHEET NO. U-40/5A 3D-4

## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

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	OFFSET	STRUCTURE NO.	P EL EVATION		EKT ELEVATION JM REQUIRED SLOPE	(	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, PP or PVC)					C.S.P.				R.C. PIPE CLASS IV				PIPE AS NOTED		STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)		FOR DRAINAGE STRUCTURES  *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')		'A' + (1.3 X COL.'	GRAT AND HO STAND	CONCRETE TRANSITIONAL SECTION		-   0		ATES STD. 840.20 ATES STD. 840.22 O GRATES STD. 840.24 LAT GRATES. STD. 840.29 FT. STD. 840.30		J. 840.13	STD. 840.37	<del>Q</del>				NO. & SIZE	C.Y. STD. 840.71		Y. STD. 840.72		C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S.)	N.D.I. NARROW DE INLET D.I. DROP INLE G.D.I. GRATED DROP	
SIZE				INVE	MINIM %	12" 15" 18	5" 18" 24" 30"	0" 36" 42" 4	CSP CSP		12"	15" 18"	18" 24" 30" 36"		48" 12"	15" 18"	24" 30"	36" 42"	48"				ARDS	) A	FT.	STD. 8				STD. 84		TWO FL TWO GR WITH TV TH TWO I TH TWO I SLAB ST SLAB ST			FRAME	OVER S		DRAIN	RAIN	LBOWS	e PLUG			ET.	M.H. MA T.B.D.I. TRAFFI	JUNCTIOI MANHO TRAFFIC BI	DLE
THICKNESS OR GAUGE		FROM							DO NOT USE R	DO NOT USE CA	DO NOT USE HUP OR PVC .064	.064	.064	.109	.109							R.C.P.	C.S.	FEK EACH (U 1 HR)	DAIL 1	TU.U. AND ABOVE C.B. STD. 840.01 OF	TYPE GRA	OF TE	DROP INLET	D. 84	G.D.I. TYPE "A" STI G.D.I. TYPE "B" STI G.D.I. TYPE "D" STI	ᄩᆝᄩᆝᇎ	G.D.I. (N.S.) FR. WII	D.I. IN APPROACH: J.B. STD. 840.31 OR TBJB STD. 840.34	T.B.D.I. STD. 840.35 STEEL GRATE AND	M.H. FRAME AND C ADJUST MH	ADJUST DI	TO JBMF	<b> </b>	DRAINAGE PIPE E	CONC. & BRICK PII		CONC. COLLARS C	PIPE REMOVAL LIN	T.B.J.B.	DROP IN TRAFFIC BI JUNCTION REMARKS	NLET EARING
SHEET 6 (2/2) - L- 46+70.33	-32 LT	628	864.7																					1		1	1																				
- L- 46+70.33 - L- 47+75.00	-32 LT	628 63 629	871.0	60.9 86													20							1		1	1																				
- L- 47+75.00 - L- 47+75.00	32 RT	629 62 630	871.0	66.8 86													104							1		1		1																			
- L- 47+75.00 - L- 46+68.45	-50 LT	630 62 631	9 865.0	67.2 86	66.8 0.7%												64							1 5.0	.0 2	2.7				1 1															Invert of exist	ng 24" RCP at 0631 =	852.3'
																												$\coprod$	$\perp \downarrow \downarrow$																		
- L- 35+38.98 - L- 35+60.77	52 RT																																						2	27	0.52	4		18.1		36" RCP	
- L- 35+71.33 - L- 36+39.90	-56 LT -44 LT																																											106.6 24.6		18" RCP	
- L- 36+44.02 - L- 37+93.81	-46 LT																																							6	0.1	3		36 330.1		18" RCP 48" RCP	
- L- 40+54.41	-46 LT -25 LT																																										1	52.1 117.4		15" RCP 15" RCP	
- L- 46+69.73 - L- 47+02.41	-39 LT -29 LT																																										5	25.7 57.9	24" RCP	(PARTIAL REMOVA 24" RCP	<u>,)</u>
- L- 47+55.00 - Y2- 10+82.85	-38 LT																																											72.5		24" RCP 15" RCP	
- Y2- 10+97.19 - Y2- 11+47.43	-28 LT -22 LT																																											22.5 69.7		15" RCP 15" RCP	
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OUEFFT TOTAL O							0 0	0 0 0					0 0			0 0	400			0 0		0 2		4		0.7					0 0 0	0 0 1		0 0 0						22	0.05	4		000.0			
SHEET TOTALS		1 1				0 0	0 0	0 0 0	V		0	υ <u>μ</u> 0	ט ט סן	U] 0]	0 0	<u>  U  0</u>	ן אארן 0	η 0] (	υ <u> </u> 0	0 0 (	ןט וע	u (	0	4	ગ	2.7	0 2	<u> </u>	0 0	1  1	0 0 0	0 0 0	u  U  0	0 0 0	0  0	U 0	υ <u> </u> 0	υ <u> </u> υ  0	0 0 0	<b>১</b> ১	0.65	+	U	939.2			

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