PROJECT REFERENCE NO.SHEET NO.U-40/5A3D-I

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.	OP ELEVATION	ERT ELEVATION	ERT ELEVATION	IM 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)	QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')	FRAME, GRATES AND HOO STANDAR 840.03	S, OD OO OO OO OO	DR 840.26 DR 840.27	OR 840.28 AT GRATES STD. 840.20	VO GRATES STD. 840.24 LAT GRATES. STD. 840.29 FT. STD. 840.30	D. 840.54	IO. & SIZE	C.Y. STD. 840.71	Y. STD. 840.72	ABBREVIATIONS C.B. CATCH BASIN N.D.I. NARROW DROP INLET D.I. DROP INLET G.D.I. GRATED DROP INLET G.D.I.(N.S.) (NARROW SLOT)
SIZE			70	INVERT	INVE	NINIW 1	2" 15" 18" 24" 30" 36" 42" 48" 6 6 6	12" 15" 18" 24" 30" 36" 42" 48	" 12" 15" 18" 24" 30" 36" 4	2" 48"	CU. YARDS	FT. 8	2 2 2	TD. 840	TE STD 840.17 (840.18 (840.19 (WO FL	TWO F TWO F ET LIN.	32	30WS N	PLUG,	"B" C.)	J.B. JUNCTION BOX M.H. MANHOLE
THICKNESS OR GAUGE	FROM	FROM				%	DO NOT USE CAL	0R PVC			R.C.P.	5.0' THRU 10.0' 10.0' AND ABOVE	TYPE OF GRATE	INLET	4	TYPE "D" STD. FRAME WITH T	G.D.I. (N.S.) FRAME V G.D.I. (N.S.) FR. WITH DRIVEWAY DROP INL	D.I. IN APPROACH SLAB J.B. STD. 840.31 OR 840. TBJB STD. 840.35 T.B.D.I. STD. 840.35 STEEL GRATE AND FRA M.H. FRAME AND COVEF ADJUST MH ADJUST DI CONV DI TO JBMH CONV DI TO JBMH CONV CB TO JB ADJUST TRENCH DRAIN OTCB	DRAINAGE PIPE ELE	CONC. & BRICK PIPE	CONC. COLLARS CL.	T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING JUNCTION BOX REMARKS
SHEET 4 - L- 11+50.00	-51 LT	401	868.5									1		1	1							
- L- 11+50.00 - L- 11+80.00	-35 LT	401 402 402	867.4	866.3	864.4	0.5%			32			1 1 1	1	1								
- L- 11+80.00	LT	402 404	1	863.4	857.0	0.5%			164													TIE PIPE 0403 TO EXIST. TRENCH DRAIN IF
- L- 11+96.49	LT	403 402		864.8	852.1	0.4%			28													EXIST. PIPE NOT FOUND.
- L- 13+45.00 - L- 13+45.00	-35 LT LT	404 404 407	860.0	857.0	847.7	0.6%			188			1 1	1	1								
- L- 10+81.25 - L- 10+81.25	5 RT	405 405 410	870.3	867.1	866.4	0.5%			28			1		1			1	1				
- L- 15+32.70	-33 LT	407	850.7						20			1 1	1	1								
- L- 15+32.70 - L- 17+00.00	-32 LT	407 408 408	840.0	847.7	837.0	1.2%			168			1 1	1	1								
- L- 17+00.00 - L- 19+00.00	-32 LT	408 409 409	826.0	837.0	823.0	1.8%			200			1 1	1	1								
- L- 19+00.00	LT 35 RT	409 502	2	823.0	809.8	2.5%			248				4									
- L- 10+81.25 - L- 10+81.25	RT	410 410 411	869.4	866.4	860.3	0.5%			192			1	1 1									
- L- 12+75.00 - L- 12+75.00	35 RT RT	411 411 413	863.3	860.3	852.4	0.5%			164			1 1 1	1 1						+			
- L- 14+40.00 - L- 14+40.00	5 RT	412 412 413	856.2	853.1	852.4	0.50/			20			1		1			1	1				
- L- 14+40.00	35 RT	413	855.4						20			1 1	1 1									
- L- 14+40.00 - L- 16+00.00	32 RT	413 414 414	846.8	852.4	843.8	0.5%			160			1 1 1	1 1						+			
- L- 16+00.00	RT 32 RT	414 415	826.0	843.8	823.0	0.6%			300				1 1									
- L- 19+00.00 - L- 19+00.00	RT	415 415 506	6	823.0	809.8	0.7%			248				1 1									
- L- 13+45.00 - L- 13+45.00	-48 LT LT	417 417 404	860.4	858.2	857.0	0.5%			12			1		1	1				+			
	26 RT																				20.0	18" RCP
- L- 11+84.04 - L- 12+52.88	-32 LT																				28.8 164.8	15" RCP
- L- 14+33.57 - L- 14+76.83	-23 LT 25 RT					\vdash				++++		 									193.9 33.6	18" RCP 12" RCP
-L- 15+32.47 -L- 15+47.90	-28 LT -19 LT																				12.5 27.8	15" HDPE 18" RCP
-L- 16+31.54	27 RT																				33.4	18" RCP
SHEET TOTALS							0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 2160 0 0 0 0	0 0 0 0 0 0	0 0 0	14 0 0	10 0 5	5 2 0 2	2 0 0	0 0	0 0 2 0	0 0 0 2 0 0 0 0 0 0 0 0 0 0	0	0	0 494.8	



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