COMPUTED BY: KEM & WPB DATE: 11-07-02
CHECKED BY: DWG DATE: 08-12-04

PROJECT REFERENCE NO.: U-2913B SHEET NO.: 3-B

METRIC

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"ALL ELEVATIONS ARE FOR BID PURPOSES ONLY"
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	800 (2.01)	900 (2.01)	1000 (2.77)	1200 (2.77)	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') METERS A 1.50 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	CONC. APRON FOR DROP INLET	POLYMER LINE DRAIN (METERS)	T.B.J.B. STD. 840.34	M.H. FRAME & COVER STD. 840.54	CONVERT JB TO DI	PREFORMED SCOUR HOLE	450 mm PLASTIC PIPE	MODIFIED CONCRETE FLUME SEE SHEET 2-Q	750 mm PLASTIC PIPE	T.B.D.I. STD. 840.35	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.29	TEMP. STEEL PLATE COVERS	PIPE CLEANOUT	CORR. STEEL ELBOW NO. & SIZE	FLOWABLE FILL m^3	CONC. COLLARS, CL. "B" m^3 STD. 840.72	CONC. & BRICK PIPE PLUG m STD. 840.71	PIPE REMOVAL (meters)	REMARKS
		22	OUT		264.31	264.27	X		15.6																																																			
–L– 53+00	RT.	23																																																									4.5	REMOVE 375 CONC. & HW
–L– 52+60	LT.	24		265.51																									1			1		1																										
		24	26		264.60	264.53	X		25.2																																																			
–L– 52+76	LT.	25		265.96																									1													1									1	1	1							
		25	26		264.99	264.53			13.2																																																			
–L– 52+85	LT.	26		265.79																									1			1		1																										
		26	28		264.53	264.42	X		34.8																																																			
–L– 53+20	LT.	27		266.35																									1													1									1	1	1							
		27	28		265.39	265.22			8.4																																																			
–L– 53+20	LT.	28		266.09																									1	0.16		1		1																										
		28	30		264.42	264.35	X		24																																																			
–L– 53+44	LT.	29		266.52																									1													1	4								1	1	1							
		29	30		265.56	265.39			8.4																																																			
–L– 53+44	LT.	30		266.26																									1	0.40		1		1																										
		30	31		264.35	264.28	X		25.2																																																			
–L– 53+69	LT.	31		266.23																									1	0.82		1		1																										
		31	32		263.91	263.78						7.2																																																
		31	36		264.06	265.10					34.8																																																	
–L– 53+67	LT.	32		265.00																									1										1		1																			
		32	33		263.78	263.65	X																																											43.2										
–L– 53+57	LT.	33		265.50																									1	0.35								1			1																			
		33	OUT		263.65	263.62	X																																											10.8										
–L– 53+90	LT.	34																																																						2.29		.05	16.2	REMOVE 600 CONC. & PLUG AND FILL 450 CONC.
–L– 54+02	RT.	35																																																									6	REMOVE 375 CONC.
–L– 54+06	LT.	36		266.55																									1									1			1																			
		36	37		265.10	265.46					3.6																																																	
–L– 54+06	LT.	37		266.60																									1			1		1																										
		37	38		265.68	266.26			12.0																																																			
–L– 54+08	RT	38		267.22																									1													1									1	1	1							
		38	39		266.26	266.55			31.2																																																			
–L– 54+40	RT	39		267.52																									1							1	1					1																		
–L– 54+45	RT	40																																																									6.4	REMOVE 375 CONC. & HW
–L– 54+61	LT	41																																																									13.6	REMOVE 375 CONC.
–L– 54+70	LT	42		267.10																									1							1	1																							
		37	43		265.46	266.06					63.6																																																	
SHEET TOTAL									198		102	7.2																	15	1.73		6		6		2	2	2	1		3	5	4							54.0	4	4	4			2.29		0.05		
																																																										46.7	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
M.D.I.	MEDIAN DROP INLET
M.D.I. (N.S.)	MEDIAN DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUCTION BOX

6/20/00

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