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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

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

"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.
SIZE / THICKNESS OR GAUGE																												
		150	151		271.26	271.32	X		18																			
-Y13- 10+30	LT	151		271.90																								
-L- 66+03	RT	152		272.45																								
		152	154		271.22	271.13	X			26.4																		
-Y13- 10+35	RT	152A																										
-L- 65+56.76	LT	153																										
-L- 66+30	RT	154		272.20																								
		154	155		271.13	271.10	X			9.6																		
-L- 66+39.9	RT	155		272.17																								
		155	156		271.18	271.24			6.0																			
-L- 66+40	RT	156		271.93																								
		155	157		271.18	271.49			9.6																			
-L- 66+42	RT	157		272.46																								
		155	158		271.10	271.06	X			9.6																		
-L- 66+50	RT	158		272.12						6																		
-L- 65+85	RT	159																										
-L- 66+00	RT	160																										
-L- 66+10	LT	161		272.46																								
		161	162		271.55	270.98			39.6																			
-L- 66+50.5	LT	162		272.76						4.8																		
		162	163		270.90	270.82	X			16.8																		
-L- 66+67.5	LT	163		272.87																								
		163	164		270.82	269.94																						
-L- 66+67.5	LT	164		270.70																								
		164	165		269.94	268.55																						
-L- 66+61.6	LT	165		269.22																								
		163	166		271.37	271.48			21.6																			
-L- 66+90	LT	166		273.00																								
		166	167		271.48	271.85			8.4																			
-L- 66+90	LT	167		272.82																								
		166	168		271.48	271.68			39.6																			
-L- 67+30	LT	168		273.24																								
		168	169		271.68	272.09			8.4																			
-L- 67+30	LT	169		273.06																								
-L- 67+31	LT	170																										
		168	171		271.68	271.72			12																			
SHEET TOTAL									163.2	73.2																		

STATION	FROM	TO	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^3 STD. 840.71	PIPE REMOVAL (meters)	REMARKS
	150	151																																					
-Y13- 10+30	151		1												1	1																							
-L- 66+03	152		1			1		1																															
	152	154																																					
-Y13- 10+35	152A																																					7.2	REMOVE 300 VIT CLAY
-L- 65+56.76	153																					1		1														15	REMOVE 375 PLASTIC
-L- 66+30	154		1			1		1																															
	154	155																																					
-L- 66+39.9	155		1			1	1																																
	155	156																																					
-L- 66+40	156		1								1	1																											
	155	157																																					
-L- 66+42	157		1								1	1					1																						
	155	158																																					
-L- 66+50	158		1			1	1																											1			0.33			
-L- 65+85	159																																			1.10		0.04		
-L- 66+00	160																																						6.3	
-L- 66+10	161		1			1			1																														
	161	162																																					
-L- 66+50.5	162		1	0.36		1	1																														0.33			
	162	163																																					
-L- 66+67.5	163		1	0.55		1		1																															
	163	164																						8.4																
-L- 66+67.5	164		1								1	1																											
	164	165																						50.4																
-L- 66+61.6	165		1												1	1																							
	163	166																																					
-L- 66+90	166		1	0.02		1		1																															
	166	167																																					
-L- 66+90	167		1														1									1	1	1											
	166	168																																					
-L- 67+30	168		1	0.06		1		1																															
	168	169																																					
-L- 67+30	169		1														1									1	1	1											
-L- 67+31	170																																					6.3	REMOVE 375 CONC
	168	171																																					
SHEET TOTAL			16	0.99		9	3	5	1		3	3			2	2	3					1	58.8	1		2	2	2					1		1.10		0.04		
																																				0.66		34.8	

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

13-OCT-2004 12:23 R:\proj\u2913b\u2913b.sum DWGardner AT RD212399