6/20/00

COMPUTED BY: A PRIDGEN DATE: 08.22.03
CHECKED BY: DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
R-2417BB	3-F

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION / SIZE	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) 12"	15"	18"	24"	30"	36"	42"	CLASS IV R.C. PIPE (W/METHOD B INSTALLATION) 15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12" .064	15" .064	18" .064	24" .064	24"	30" (0.079" THICK) .079	30"
-Y3- 11+50	RT	115		455.50	452.75																							
		115	116		452.75	450.55			144																			
-Y3- 12+93	RT	116		453.30	450.55																							
		116	117		450.55	450.30			52																			
-Y3- 13+45	RT	117		453.40	450.30																							
-Y3- 13+91	LT	117	118		450.30	447.40				84																		
-Y3- 12+33	LT	119																										
-Y3- 42+74	LT	121		447.77	445.00																							
-Y3- 42+04	LT	121	122		445.00	442.70			76																			
-Y4- 11+17	RT	123		446.84	444.33																							
		123	124		444.33	444.20	YES		56																			
-Y4- 11+13	LT	124		446.95	444.20																							
-Y4- 10+93	LT	124	125		444.20	444.14	YES		20																			
		126	124		445.27	444.20			76																			
-Y3- 47+47	LT	126		449.20	445.27																							
		127	126		445.75	445.27	YES		100																			
-Y3- 48+44	LT	127		448.50	445.75																							
-Y3- 50+35	LT	128		447.52	445.60																							
		128	129		445.60	445.43			56																			
-Y3- 50+90	LT	129		447.59	445.43																							
		129	130		445.43	445.13			36																			
-Y3- 51+25	LT	130		447.64	445.13																							
-Y3- 51+35	RT	130	131		445.13	444.10				80																		
		132	130		446.28	445.13			136																			
-Y3- 52+61	LT	132		449.03	446.28																							
-Y1- 12+68	RT	133																										
-Y1- 13+31	RT	134																										
-Y1- 13+46	LT	135																										
-Y1- 15+20	RT	136							20																			
-Y1- 15+20	LT	137							8																			
-Y1- 16+67	RT	138																										
-Y1- 17+38	LT	139																										
				SHEET TOTAL					780	164																		

STATION	FROM	TO	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 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. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.D.I. FRAME WITH TWO GRATES STD. 840.20	6" CS PIPE CULVERT, 0.064" THICK (SPRING BOX)	SPRING BOX STD. 840.41	M.H. FRAME & COVER STD. 840.54	TEMP 15' SIDE DRAIN	TEMP. 15" RCP	36" CLASS V R.C. PIPE (W/METHOD B INSTALLATION)	MODIFIED CONCRETE FLUME	CONCRETE APRON FOR CATCH BASIN	CONCRETE APRON FOR DROP INLETS	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	FLOWABLE FILL MATERIAL, CY	PIPE REMOVAL LIN.FT.	REMARKS
-Y3- 11+50	115							1										1			1											1					
	115	116																																			
-Y3- 12+93	116							1										1			1											1					
	116	117																																			
-Y3- 13+45	117							1										1			1											1				48	
-Y3- 13+91	117	118																																			
-Y3- 12+33	119		20																																	28	
-Y3- 42+74	121							1										1		1												1					
-Y3- 42+04	121	122																																			
-Y4- 11+17	123							1										1			1											1					
	123	124																																			
-Y4- 11+13	124							1										1			1											1					
-Y4- 10+93	124	125																																			
	126	124																																			
-Y3- 47+47	126							1										1			1											1					
	127	126																																			
-Y3- 48+44	127							1										1			1											1					
-Y3- 50+35	128							1											1		1											1					
	128	129																																			
-Y3- 50+90	129							1											1		1											1					
	129	130																																		28	
-Y3- 51+25	130							1											1		1											1					
-Y3- 51+35	130	131																																		92	
	132	130																																			
-Y3- 52+61	132							1										1			1											1					
-Y1- 12+68	133		20																																	16	
-Y1- 13+31	134		20																																		
-Y1- 13+46	135		20																																	20	
-Y1- 15+20	136																																	0.3990			
-Y1- 15+20	137																																	0.3990			
-Y1- 16+67	138		20																																		
-Y1- 17+38	139		24																																		
SHEET TOTAL			124					12										9	3	1	11											12		0.798		232	

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

13-SEP-2004 09:06
R:\R-2417bb\Roadway\Proj\r-2417bb_RDY_sum.dgn
Pridgen AT