COMPUTED BY: JD DATE: 5/6/2004

CHECKED BY: JSD DATE: 5/6/2004

METRIC

PROJECT NO.	SHEET NO.
U-2408	3E

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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
-L- 29+15.5	RT	87		259.78	258.86										
		87	84		258.86	258.49			6.0						
-L- 29+14	RT	84		259.34	257.14										
		84	89		257.14	257.01					39.6				
-L- 29+51	RT	93			258.30										
		93	89		258.30	258.00									
-L- 29+65	RT	95		258.38	257.46										
		95	94		257.46	257.43			8.4						
-L- 29+57	RT	94		258.46	257.43										
		94	89		257.43	257.23			7.2						
-L- 29+42.5	LT	92		258.55	257.63										
		92	91		257.63	257.62			2.4						
-L- 29+44	LT	91		258.54	257.62										
		91	90		257.62	257.50			8.4						
-L- 29+52.5	LT	90		258.42	257.50										
		90	89		257.50	257.01			19.2						
-L- 29+52.5	RT	89		258.77	257.01										
		89	96		257.01	256.58					48.0				
-L- 30+00	RT	96		257.72	256.58										
		96	97		256.58	256.22					20.4				
-L- 30+20	RT	97		257.36	256.22										
		97	98		256.22	255.53					50.4				
-L- 30+69.5	RT	98		256.67	255.53										
		98	99		255.53	255.30					15.6				
-L- 30+82.5	RT	99			255.30										
-Y6- 10+64	RT	88									4.8				
-L- 35+26.5	LT	100		256.33	255.41										
		100	103		255.41	255.15			74.4						
-L- 36+00	LT	103													
		103	105	256.09	255.15	254.52			45.6						
-L- 36+45.5	LT	104			254.62										
		104	105		254.62	254.52				2.4					
-L- 36+45.5	LT	105		255.95	254.52										
		105	106		254.52	254.50					6.0				
-L- 36+47.5	LT	106			254.50										
-L- 37+28	LT	111		255.70	254.78										
		111	109		254.78	254.66			38.4						
-L- 36+90	LT	109		255.82	254.66										
		109	105		254.66	254.52			44.4						
SHEET SUBTOTAL									254.4	2.4	184.8				

SIZE / THICKNESS OR GAUGE

STATION	FROM	TO	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 (2.01)	1200 (2.01)	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD 368.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	*TOTAL L.M. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') METERS A 1.5 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G
-L- 29+15.5	87															1			1	1		
-L- 29+14	84															1	0.7		1		1	
-L- 29+65	95															1			1	1		
-L- 29+57	94															1			1	1		
-L- 29+42.5	92															1			1			1
-L- 29+44	91															1			1			1
-L- 29+52.5	90															1			1			1
-L- 29+52.5	89															1	0.3		1		1	
-L- 30+00	96															1			1		1	
-L- 30+20	97															1			1		1	
-L- 30+69.5	98															1			1		1	
-L- 35+26.5	100															1			1			1
-L- 36+00	103															1			1			1
-L- 36+45.5	105															1			1			1
-L- 37+28	111															1			1			1
-L- 36+90	109															1			1			1
SHEET SUBTOTAL																16	1.0		16	3	5	8

STATION	FROM	TO	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND 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 GRATE STD. 840.20	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	O.T.C.B. STD. 840.04 OR STD. 840.05	T.B.J.B. STD. 840.34	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.D.I. STD. 840.35 OR STD. 840.36	STEEL FRAME WITH TWO GRATES, STD. 840.37	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M^3 STD. 840.72	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
-L- 29+15.5	87																							C.B.
-L- 29+14	84																							C.B.
	93	89																						100MM PVC
-L- 29+65	95																							C.B.
-L- 29+57	94																							C.B.
-L- 29+42.5	92																							C.B.
-L- 29+44	91																							C.B.
-L- 29+52.5	90																							C.B.
-L- 29+52.5	89																							C.B. - E.D.
-L- 30+00	96																							C.B.
-L- 30+20	97																							C.B.
-L- 30+69.5	98																							C.B.
-Y6- 10+64	88																					0.40			REM H.W. PLACE COLLAR & EXTEND
-L- 35+26.5	100																							C.B.
-L- 36+00	103																							C.B.
-L- 36+45.5	104																					0.33			COLLAR & EXTEND
-L- 36+45.5	105																							C.B.
-L- 37+28	111																							C.B.
-L- 36+90	109																							C.B.
SHEET SUBTOTAL			0	0																0	0.73	0		

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 JUNCTION BOX