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

6/20/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

METRIC

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

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
SIZE / THICKNESS OR GAUGE															
-Y14- 12+69.5	RT	229		269.72											
		229	230		268.80	266.89			55.2						
-Y14- 13+25	RT	230		267.80											
		230	231		266.89	262.75			114						
-Y14- 14+39	RT	231		263.66											
		231	OUT		262.75	262.42			10.8						
-Y14- 12+83	LT	232													
-Y14- 13+32	RT	233													
-Y14- 13+42	LT	234													
-Y14- 14+00	RT	235													
-Y14- 14+33	LT	236													
-Y14- 14+40	RT	237													
-Y14- 14+80	RT	238													
-Y14- 15+20	LT	239			260.04	259.64						16.8			
-Y14- 15+25	LT	240													
-Y14- 15+41	CL	241													
-Y14- 15+45	CL	242			259.11	258.93							30		
-Y14- 15+52	RT	243													
SHEET TOTAL									180.0			16.8	30		
PROJECT TOTAL								33.6		624		24	30		
									2469.6		501.6				
SAY															

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	600	800 (2.01)	800	900 (2.01)	900	1000 (2.77)	1000	1200 (2.77)	1200	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.
PROJECT TOTAL		6																

STATION	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
-Y14- 12+69.5	1			1		1																				
-Y14- 13+25	1			1		1																				
-Y14- 14+39	1			1		1																				
-Y14- 15+52																							6			
SHEET TOTAL	3			3		3																	6			
PROJECT TOTAL	179	7.56		106	20	43	42		40	40	2	7	5	14	30	18	2	2	1	8	58.8	2	60	17	17	17
SAY		8																								

STATION	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
-Y14- 12+83						6.2	REMOVE 300 CONC
-Y14- 13+32						13	REMOVE 375 CONC
-Y14- 13+42			4.39		0.10		PLUG & FILL W/ FLOWABLE FILL
-Y14- 14+00						13	REMOVE 375 CONC
-Y14- 14+33						6.3	REMOVE 450 CONC
-Y14- 14+40						7.5	REMOVE 375 CONC
-Y14- 14+80						15	REMOVE 375 CONC
-Y14- 15+25						14	REMOVE 375 CONC
-Y14- 15+41			1.72		0.10		PLUG & FILL W/ FLOWABLE FILL
SHEET TOTAL			6.11		0.20	75	
PROJECT TOTAL	5	2@400	33.18		1.01		
				0.99		771.8	
SAY			35	1.0	1.5	775	

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-OCT-2004 12:24
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AT RD212399
DWGardner