COMPUTED BY: C. POWELL DATE: 9-7-04
CHECKED BY: F.A.TUCK DATE: 9-13-04

6/21/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
W3413	3-D

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

STATION / SIZE / THICKNESS OR GAUGE	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"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12"	15"	18"	24"	30"	36"	42"	48"
																.064	.064	.064	.064	.079	.079	.109	.109
W-3413																							
38+53		13									64												
40+71		14																					
43+33		15		17.8	14.8																		
43+33		15	16		14.8	15.7																	
		16		18.4	15.7						76												
43+34		16	17		15.7	15.8			12														
43+23		17		18.5	15.8																		
43+33		16	18		15.7	20.3												8					
43+33		18			20.3																		
44+20		19																					
47+98		20																					
50+90		21											92										
54+44		22																					
57+35		22A											48										
86+73		23								80													
86+71		24																					
91+01		25																					
98+83		26																					
101+85		27																					
102+25		28																					
102+27		29													80								
103+12		30																					
103+43		31																					
103+83		32																					
105+00		33																					
106+07		34																					
106+76		35																					
107+27		36																					
106+86		37																					
108+35		38																					
108+49		39													100								
108+96		40																					
110+92		41																					
111+25		42									76												
SHEET TOTAL								12	80	216		140		180				8					

STATION	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.	ENDWALLS CU. YDS. C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. PER EACH (0' THRU 5.0')	5.0' THRU 10.0' A	10.0' AND ABOVE B	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. 840.27	TBDI STD. 840.35	M.D.I. FRAME WITH GRATE STD. 840.22	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	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
W-3413																							
38+53																						37	REMOVE PIPE AT 38+58
40+71	40																					37	REMOVE PIPE AT40+72
43+33						1			1	1													REMOVE DI AT 43+38
43+33																						10	REMOVE PIPE AT 43+38
						1						1			1							41	REMOVE 10' OF 18" RC P AT 43+36
43+34																							
43+23						1						1			1								
43+33																					2			18" CS ELBOWS
43+33																							
44+20	36																					31	REMOVE PIPE AT 44+20
47+98	64																					29	REMOVE PIPE AT 47+95
50+90																						25	REMOVE PIPE AT 48+38
54+44	16																					46	REMOVE PIPE AT 50+88
57+35				3.4																		20	REMOVE PIPE AT 54+42
86+73																						38	REMOVE PIPE AT 86+75
86+71	20																					17	REMOVE PIPE AT 86+72
91+01	16																					17	REMOVE PIPE AT 86+71
98+83	32																					20	REMOVE PIPE AT 91+01
101+85	24																					41	REMOVE PIPE AT 98+78
102+25				6																		22	REMOVE PIPE AT 101+85
102+27																						41	REMOVE PIPE AT 102+32
103+12	24																					21	REMOVE PIPE AT 103+11
103+43	24																					21	REMOVE PIPE AT 103+43
103+83	28																					29	REMOVE PIPE AT 103+84
105+00	20																						
106+07	20																						
106+76	20																						
107+27	24																					21	REMOVE PIPE AT 107+25
106+86	40																					32	REMOVE PIPE AT 106+89
108+35				6																			
108+49																						47	REMOVE PIPE AT 108+49
108+96		28																				31	REMOVE PIPE AT 108+99
110+92	16																					11	REMOVE PIPE AT 110+92
111+25																						38	REMOVE PIPE AT 111+27
SHEET TOTAL	464	28		15.4		3		1	1		2			2							2		723	

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

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