COMPUTED BY: VWB DATE: 9/26/2011

CHECKED BY: JDL DATE: 9/30/2011

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
Berkeley Blvd. (U-3609A)	3-B

D083464

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

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

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE	12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
								THICKNESS OR GAUGE												
Sheet 7																				
52+25.00 -L-	LT	701		123.5	120.3															
52+25.00 -L-	LT	701	606		120.3	117.2	0.019													
54+55.00 -L-	LT	702		127.7	123.9															
54+55.00 -L-	LT	702	701		123.9	120.3	0.016													
57+85.00 -L-	LT	703		133.8	129.3															
57+85.00 -L-	LT	703	702		129.3	123.9	0.017													
58+08.18 -L-	LT	707	703		132.0	131.0	0.028			36								X	X	
58+58.16 -L-	LT	708	704		133.7	133.0	0.019			37										
58+82.00 -L-	LT	704		135.9	130.9															
58+82.00 -L-	LT	704	703		130.9	129.3	0.017													
61+50.00 -L-	LT	705		138.8	133.8															
61+50.00 -L-	LT	705	704		133.8	130.9	0.011													
64+30.00 -L-	LT	706		139.7	136.7															
64+30.00 -L-	LT	706	705		136.7	133.8	0.010													
11+93.81 -Y5-	RT	709																		
11+61.00 -Y6-	RT																			
Sheet 8																				
70+84.97 -L-	LT	802		139.0	134.6															
70+84.97 -L-	LT	802	801		134.6	134.4	0.005			43								X	X	
69+75.00 -L-	LT	803		139.5	135.0															
69+75.00 -L-	LT	803	802		135.0	134.6	0.004													
69+54.67 -L-	LT	804		138.3	135.1															
69+54.67 -L-	LT	804	803		135.1	135.0	0.004			23								X	X	
SHEET TOTALS										139	0		0							
PROJECT TOTAL										256	26		28							
SAY										256	28		28							

STATION	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"	48"
	.064	.064	.064	.064	.079	.079	.109	.109																
Sheet 7																								
52+25.00 -L-																								
52+25.00 -L-																			164					
54+55.00 -L-																								
54+55.00 -L-																			227					
57+85.00 -L-																								
57+85.00 -L-																			327					
58+08.18 -L-																								
58+58.16 -L-																								
58+82.00 -L-																								
58+82.00 -L-																			94					
61+50.00 -L-																								
61+50.00 -L-										265														
64+30.00 -L-																								
64+30.00 -L-																			277					
11+93.81 -Y5-																	16							
11+61.00 -Y6-																								
Sheet 8																								
70+84.97 -L-																								
70+84.97 -L-																								
69+75.00 -L-																								
69+75.00 -L-										108														
69+54.67 -L-																								
69+54.67 -L-																								
SHEET TOTALS										373									277	812	0	0		
PROJECT TOTAL										435							247	409	812	769	752			
SAY										436							248	412	812	772	752			

STATION	** R.C. PIPE (CLASS V)	**** RC PIPE CULVERTS, CONTRACTOR DESIGN	**** RC PIPE CULVERTS, CONTRACTOR DESIGN	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS 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	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. FRAME WITH GRATE STD. 840.20	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	MANHOLE FRAME AND COVER STD. 840.54	TRAFFIC BEARING J.B. STD. 840.34	DRAINAGE PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
Sheet 7																																	
52+25.00 -L-								1				1		1																			
52+25.00 -L-																																	
54+55.00 -L-								1				1		1																			
54+55.00 -L-																																67	
57+85.00 -L-								1				1		1																			
57+85.00 -L-																																73	
58+08.18 -L-																																	
58+58.16 -L-																																	
58+82.00 -L-								1				1		1																			
58+82.00 -L-																																59	
61+50.00 -L-								1				1		1																			
61+50.00 -L-																																37	
64+30.00 -L-								1				1		1																			
64+30.00 -L-																																53	
11+93.81 -Y5-					16																											64	
11+61.00 -Y6-																																16	
Sheet 8																																	Plug, Fill and Abandon Existing Pipe
70+84.97 -L-								1				1			1																		
70+84.97 -L-																																	
69+75.00 -L-								1				1			1																		
69+75.00 -L-																																50	
69+54.67 -L-								1																									
69+54.67 -L-																																	
SHEET TOTALS					16			9	0			8		6	2																	419	
PROJECT TOTAL					36			28	4.1			22	3	16	3																0	1	1	784	
SAY					36			28	4.1			22	3	16	3																	1	1	790	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I.(N.S.)	(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