RD261652

COMPUTED BY:	RCB	DATE:	10/7/2014
CHECKED BY:	DDL	DATE:	12/3/2014

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
B-4722B	3D-1

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 / SIZE / THICKNESS OR GAUGE	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109
40+71	LT	0401		9.98																							
		0401	0402		6.76	6.66																					
40+71	RT	0402		9.98																							
		0402	0404		6.66	5.45																					
39+59	LT	0403		8.77																							
		0403	0404		5.57	5.45																					
39+59	RT	0404		8.69																							
		0404	0405		5.45	4.96																					
38+52	RT	0405		8.13																							
		0405	0406		4.96	4.33			16								X										
54+86	LT	0501		10.07																							
		0501	0502		5.90	5.77																					
55+02	LT	0502		9.95																							
		0502	0503		5.77	5.66																					
55+02	RT	0503		9.86																							
		0503	0504		5.66	4.71																					
55+75	RT	0504		8.88																							
		0504	0505		4.71	2.70			32								X										
57+60	RT	0506							40								X										
SHEET TOTALS									88																		

STATION	STRUCTURE NO. FROM	STRUCTURE NO. TO	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"	** " R.C. PIPE (CLASS V)	***" RC PIPE CULVERTS, CONTRACTOR DESIGN	***" RC PIPE CULVERTS, CONTRACTOR DESIGN			ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.
40+71	0401																								
	0401	0402										36													
40+71	0402																								
	0402	0404										112													
39+59	0403																								
	0403	0404										44													
39+59	0404																								
	0404	0405										104													
38+52	0405																								
	0405	0406																							
54+86	0501																								
	0501	0502										20													
55+02	0502																								
	0502	0503										40													
55+02	0503																								
	0503	0504										72													
55+75	0504																								
	0504	0505																							
57+60	0506																								
SHEET TOTALS												428													

STATION	STRUCTURE NO. FROM	STRUCTURE NO. TO	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 GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.18 OR 840.27	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 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	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.29	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	T.B.D.I. STD. 840.35 OR STD. 840.36				PREFORMED SCOUR HOLE	SIDE DRAIN 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
40+71	0401		1												1						1										
	0401	0402																													
40+71	0402		1												1						1										
	0402	0404																													
39+59	0403		1												1						1										
	0403	0404																													
39+59	0404		1												1						1										
	0404	0405																													
38+52	0405		1												1						1										
	0405	0406																													
54+86	0501		1												1						1										
	0501	0502																													
55+02	0502		1												1						1										
	0502	0503																													
55+02	0503		1												1						1										
	0503	0504																													
55+75	0504		1												1						1										
	0504	0505																								2 @ 15"				
57+60	0506																														
SHEET TOTALS			9												9						9					2 @ 15"				

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