COMPUTED BY: DYP DATE: 11/1/2013

CHECKED BY: JLT DATE: 8/27/2014

RD24862

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBREGIONAL

PROJECT NO.	SHEET NO.
B-4741	3D-1

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.

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
SHEET 4							
-L- 19+20	LT	0402		695.39			
		0402	0403		692.22	687.30	
-Y1- 11+08	CL	0404			703.70	700.78	
-L- 12+23	RT	0406					
-L- 12+92	RT	0407					
-L- 13+57	RT	0408					
-L- 14+75	RT	0409					
-DRW2- 10+52	CL	0410			690.73	683.00	
-DRW1- 11+43	CL	0411					
-DRW1A- 11+14	CL	0412					
SHEET 5							
-DRW3- 10+30	CL	0501					
-DRW5- 10+60	CL	0502					
TOTAL							

STATION	FROM	TO	DRAINAGE 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
SHEET 4																						
-L- 19+20	0402																					
	0402	0403														28						
-Y1- 11+08	0404																					
-L- 12+23	0406																					
-L- 12+92	0407																					
-L- 13+57	0408																					
-L- 14+75	0409																					
-DRW2- 10+52	0410																					
-DRW1- 11+43	0411																					
-DRW1A- 11+14	0412																					
SHEET 5																						
-DRW3- 10+30	0501																					
-DRW5- 10+60	0502																					
TOTAL																28						

STATION	FROM	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"
SHEET 4																		
-L- 19+20	0402																	
	0402	0403																
-Y1- 11+08	0404				92													
-L- 12+23	0406																	
-L- 12+92	0407																	
-L- 13+57	0408																	
-L- 14+75	0409																	
-DRW2- 10+52	0410																	
-DRW1- 11+43	0411																	
-DRW1A- 11+14	0412																	
SHEET 5																		
-DRW3- 10+30	0501																	
-DRW5- 10+60	0502																	
TOTAL					92													

STATION	FROM	TO	** " 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. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. 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
SHEET 4																		
-L- 19+20	0402									1								
	0402	0403																
-Y1- 11+08	0404																	
-L- 12+23	0406					16												
-L- 12+92	0407					16												
-L- 13+57	0408						24											
-L- 14+75	0409						16											
-DRW2- 10+52	0410						176											
-DRW1- 11+43	0411					36												
-DRW1A- 11+14	0412					52												
SHEET 5																		
-DRW3- 10+30	0501					36												
-DRW5- 10+60	0502					60												
TOTAL						216	216			1								

STATION	FROM	TO	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME WITH TWO GRATES 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. 840.29	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	PREFORMED SCOUR HOLE (SEE DETAIL D, PLAN SHEET 4)								
SHEET 4																						
-L- 19+20	0402										1		1									
	0402	0403												1								
-Y1- 11+08	0404																					
-L- 12+23	0406																					
-L- 12+92	0407																					
-L- 13+57	0408																					
-L- 14+75	0409																					
-DRW2- 10+52	0410																					
-DRW1- 11+43	0411																					
-DRW1A- 11+14	0412																					
SHEET 5																						
-DRW3- 10+30	0501																					
-DRW5- 10+60	0502																					
TOTAL											1		1	1								

STATION	FROM	TO	C.S. 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 4							
-L- 19+20	0402						
	0402	0403	2@15"				
-Y1- 11+08	0404						REMOVE EXIST. 18" RCP
-L- 12+23	0406						REMOVE EXIST. 12" RCP
-L- 12+92	0407					13	REMOVE EXIST. 15" RCP
-L- 13+57	0408					25	REMOVE EXIST. 18" RCP
-L- 14+75	0409					24	REMOVE EXIST. 18" RCP
-DRW2- 10+52	0410					92	REMOVE EXIST. 15" RCP
-DRW1- 11+43	0411						
-DRW1A- 11+14	0412						
SHEET 5							
-DRW3- 10+30	0501						
-DRW5- 10+60	0502					152	REMOVE EXIST. 12" RCP
TOTAL			2@15"			306	

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.)	GRATED 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