COMPUTED BY: EL STEWART, EI DATE: 1/26/2015

CHECKED BY: D. Bocker, PE DATE: 3/23/2015

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-5524	3-B

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	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) 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											
-Y1-, 10+82.00	RT	0430		132.9															
		0430	0428		129.0	128.8													
-Y1-, 10+36.00	RT	0431		132.8															
		0431	0428		129.6	128.8													
-ROUND-, 10+42.00	RT	0432		133.2															
		0432	0431		130.2	129.6													
-L-, 12+58.00	LT	0433		---															
		0433	0434		---	---													
-L-, 11+75.74	LT	0434		---															
		0434	0435		---	---													
-L-, 11+50.50	LT	0435		---															
		0435	436		---	---													
-Y1-, 11+75.00	LT	0436		---															
-Y1-, 11+25.00	RT	0437		132.3															
		0437	430		129.2	129.0			48										
-ROUND-, 11+36.97	RT	0438		---															
		0438	426		---	---													
-Y2-, 12+23.95	LT	0439		134.2															
		0439	415		131.1	130.1													
-Y2-, 12+35.06	RT	0409		134.2															
		0409	439		131.2	131.1													
-Y1-, 11+75.00	LT	0436		132.4															
		0436	424		129.4	128.9													
SHEET 3B TOTALS								0	48	0	0	0	0	0	0	0	0	0	0
SHEET 3A TOTALS								0	288	136	0	0	0	0	0	0	0	0	0
PROJECT TOTALS								0	336	136	0	0	0	0	0	0	0	0	0

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"
THICKNESS OR GAUGE	.064	.064	.064	.064	.079	.079	.109	.109																
-Y1-, 10+82.00																								
																		36						
-Y1-, 10+36.00																								
																		40						
-ROUND-, 10+42.00																								
																		52						
-L-, 12+58.00																								
-L-, 11+75.74																								
-L-, 11+50.50																								
-Y1-, 11+75.00																								
-Y1-, 11+25.00																								
-ROUND-, 11+36.97																								
-Y2-, 12+23.95																								
																		84						
-Y2-, 12+35.06																								
																		28						
-Y1-, 11+75.00																								
																		68						
SHEET 3B TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	308	0	0	0	0	0	0
SHEET 3A TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	312	204	100	0	0	0	324
PROJECT TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	620	204	100	0	0	0	324

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. 838.01 838.11 OR STD. 838.80 (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 WITH TWO GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. 840.29	MANHOLE FRAME & COVER STD. 840.54	G.D.I. (N.F.) FRAME WITH GRATE STD. 840.29	T.B.D.I. STD. 840.35	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
-Y1-, 10+82.00								1									1	1															
-Y1-, 10+36.00								1			1																				145.88	REM. OTCB, REM. 18" RCP
-ROUND-, 10+42.00								1			1																						
-L-, 12+58.00																																	RETAIN
																																	RETAIN
-L-, 11+75.74																																	RETAIN
																																	RETAIN
-L-, 11+50.50																																	RETAIN
																																	RETAIN
-Y1-, 11+75.00																																	RETAIN
-Y1-, 11+25.00								1			1			1																			
-ROUND-, 11+36.97																																	RETAIN
																																	RETAIN
-Y2-, 12+23.95								1			1																						
-Y2-, 12+35.06								1			1			1																			
-Y1-, 11+75.00								1			1																						
SHEET 3B TOTALS						0	0	7	0	0	6	0	4	2	0	0	1	1	0	0	0	0	0	0					0		145.88	
SHEET 3A TOTALS						0	0	28	18	17.3	14	8	3	3	0	0	9	9	1	1	1	2	2	2					1.1		169.93	
PROJECT TOTALS						0	0	35	18	17.3	20	8	7	5	0	0	10	10	1	1	1	2	2	2					1.1		315.81	

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