COMPUTED BY: SP	DATE: 11/2013
CHECKED BY: BU	DATE: 11/2013

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
SS-4905BU	3-A

See "Standard Specifications For Roads and Structures, Section 300–5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & 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)								DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
SIZE								12"	15"	18"	24"	30"	36"	42"	48"				
THICKNESS OR GAUGE																			
SHEET 4																			
11+48	RT	401			292.14	291.94													
12+15	LT	402			289.02	288.72													
SHEET 5																			
17+67	LT	501			277.67	277.37													
19+35	LT	502			274.95	274.65													
PROJECT TOTAL																			

STATION	C.S. PIPE							R.C. PIPE (CLASS III)							R.C. PIPE (CLASS IV)							
SIZE	12"	15"	18"	24"	36"	42"	48"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"
THICKNESS OR GAUGE	.064	.064	.064	.064	.079	.109	.109															
SHEET 4																						
11+48								16														
12+15								40														
SHEET 5																						
17+67								24														
19+35									24													
PROJECT TOTAL								80	24													

STATION	** R. C. PIPE (CLASS V)	** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" 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') 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 CATCH BASIN	CONCRETE TRANSITIONAL SECTION DROP INLET		G.D.I. FRAME WITH GRATE STD. 840.22	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	T.B.J.B. STD. 840.34	M. H. FRAME & COVER ST. 840.54	CONC. COLLARS CL. "B" C.Y. STD 840.72	PIPE ELBOWS (15", C.A.A.)	PIPE REMOVAL LIN.FT.	REMARKS
SHEET 4																												
11+48																											12	REMOVE 15" RCP
12+15																												
SHEET 5																												
17+67																											16	REMOVE 15" RCP
19+35																											28	REMOVE 18" RCP
PROJECT TOTAL																											56	

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

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	STATION	STATION	LOCATION	YD²
–L–	12+67	18+12	RT	985.33
			TOTAL:	985.33
			SAY:	990

Approximate quantities only. Unclassified excavation, removal of existing pavement, and clearing & gurbbing will be paid for at the lump sump price for "Grading".

SUMMARY OF EARTHWORK

LOCATION	UNCL. EXCAV.	UNDERCUT	EMBANK. +20%	BORROW	WASTE
(–L–) 13+00 TO 24+00	1070		584		486
SUBTOTALS:	1070		584		486
PROJECT TOTALS:	1070		584		486
GRAND TOTALS:	1070		584		486

Approximate quantities only. Unclassified excavation, removal of existing pavement, and clearing & gurbbing will be paid for at the lump sump price for "Grading".

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