RD269445

COMPUTED BY: VBB DATE: 02/20/15

CHECKED BY: DWG DATE: 01/06/16

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
B-4961	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)

LINE & STATION	OFFSET		STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	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	DO NOT USE PVC
									THICKNESS OR GAUGE												
L 17+81	13	RT	0401		623.8																
			0401	0402		621.0	620.5														
L 17+81	13	LT	0402		623.8																
			0402	0403		620.5	619.0			16											
Y 10+33	0	CL	0404	0405		619.8	618.1				60										
Y 10+54	20	RT																			
Y 10+82.74	5	LT																			
L 16+25.26	24	LT																			
L 18+01.24	22	LT																			
SHEET TOTALS										16	60										
PROJECT TOTALS										16	60										

LINE & STATION	C. S. PIPE SIZE: 12	15	18	24	30	36	42	48	.064	.064	.064	.064	.079	.079	.109	.109	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: 12	15	18	24	30	36	42	48	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY
	THICKNESS OR GAUGE																																												
L 17+81																																													
																									28																				
L 17+81																																													
Y 10+33																																													
Y 10+54																																													
Y 10+82.74																																													
L 16+25.26																																													
L 18+01.24																																													
SHEET TOTALS																									28																				
PROJECT TOTALS																									28																				

LINE & STATION	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1,3 X B)) 0' THRU 5' EACH	A: 5' THRU 10' LIN. FT.	B: 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840,03 GRATE TYPE E	F	G	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	T.B.D.I. STD. 840.35	15" DRAINAGE PIPE ELBOWS	ADJUST MANHOLE	ADJUSTMENT OF VALVE BOXES	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
L 17+81		1									1	1								
L 17+81		1									1	1								
													2							
Y 10+33																				
Y 10+54																			40	
Y 10+82.74			2.21											1						*Manhole Adjustment (620.05'-617.84')=2.21 LF
L 16+25.26															1					
L 18+01.24															1					
SHEET TOTALS		2	2.2								2	2	2	1	2				40	
PROJECT TOTALS		2	2.2								2	2	2	1	2				40	

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT