COMPUTED BY: RED DATE: 8/31/2015

CHECKED BY: DATE:

D3CAD266703

PROJECT NO.	SHEET NO.
SR-5001CB	3D-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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
-L-							
10+12.65	RT	400		31.50	26.00		
		IN	400		26.01	26.00	
		IN	400		26.01	26.00	
11+38.70	RT	401		31.09	25.59		
		400	401		26.00	25.59	
		IN	401		27.26	26.59	
12+21.24	RT	402		30.84	25.34		
		401	402		25.59	25.34	
12+61.82	RT	403		30.70	25.20		
		402	403		25.34	25.20	
		403	OUT		25.20	25.15	
SHEET TOTALS							

SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC)

FROM	TO	12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
400													
IN	400								4				
IN	400												
401													
400	401												
IN	401												
402													
401	402												
403													
402	403												
403	OUT												
SHEET TOTALS									4				

C.S. PIPE

FROM	TO	12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109
SHEET TOTALS									

R.C. PIPE CLASS III / R.C. PIPE CLASS IV

FROM	TO	III 12"	III 15"	III 18"	III 24"	III 30"	III 36"	III 42"	III 48"	IV 12"	IV 15"	IV 18"	IV 24"	IV 30"	IV 36"	IV 42"	IV 48"
400																	
IN	400																
IN	400													4			
401																	
400	401																124
IN	401														4		
402																	
401	402																82
403																	
402	403																46
403	OUT																10
SHEET TOTALS														4	4		262

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 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 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN
400									1	0.5							
IN	400																
IN	400																
401									1	0.5							
400	401																
IN	401																
402									1	0.5							
401	402																
403									1	0.56							
402	403																
403	OUT																
SHEET TOTALS									4	2.06							

FROM	TO	O.T.C.B STD. 840.04	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	GRATE WITH FRAME, DRIVEWAY DROP INLET	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	T.B.D.I. STD. 480.35	36" WELDED STEEL PIPE (TRENCHLESS) (LF)	M.H. FRAME AND COVER STD. 840.54	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	BERM DITCH OUTLET	ENERGY DISSAPATOR	SIDE DRAIN PIPE ELBOWS NO. & SIZE	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
400											1										
IN	400																		1.0126		
IN	400																				
401											1										
400	401																				
IN	401																		0.764		
402											1										
401	402																				
403											1										
402	403																				
403	OUT																				
SHEET TOTALS											4								1.7766		

ABBREVIATIONS

C.B.	**CATCH BASIN**
N.D.I.	**NARROW DROP INLET**
D.I.	**DROP INLET**
G.D.I.	**GRATED DROP**
G.D.I.(N.S.)	**INLET**
J.B.	**(NARROW SLOT)**
M.H.	**JUNCTION BOX**
T.B.D.I.	**MANHOLE**
	TRAFFIC BEARING
T.B.J.B.	**DROP INLET**
	TRAFFIC BEARING
	JUNCTION BOX