RD266193

COMPUTED BY:	L. JAH	DATE:	01/12/2015
CHECKED BY:	A.K. WHITE	DATE:	11/16/2015

PROJECT NO.	SHEET NO.
U-3308	3D-12

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 54 INCHES & OVER)

LINE & STATION (SIZE / THICKNESS OR GAUGE)	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) DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE	R. C. PIPE CLASS IV 54	60	66	72	78	84	R. C. PIPE CLASS V 54	60	66	72	78	84	STRUCTURAL PLATE PIPE 60	66	72
LALT 43+16	35	RT	0839		353.9																								
			0839	0901		344.9	344.6								108														
LALT 42+53	35	RT	0842		355.3																								
			0842	0839		345.1	344.9								64														
LALT 44+26	35	RT	0901		351.0																								
			0901	0912		344.6	343.8								132														
LALT 47+50	35	RT	0910		352.9																								
			0910	1018		343.3	342.9								108														
LALT 45+58	35	RT	0912		350.3																								
			0912	0910		343.8	343.3								192														
Y15 10+73	19	RT	1004		352.4																								
			1004	1005		342.1	340.0	0.3							36														
Y15 10+78	19	LT	1005		351.9																								
			1005	1008		339.1	335.1	0.3							132														
Y15 12+12	20	LT	1008		341.4																								
			1008	1009		335.1	335.0	0.3							16														
Y15 12+30	18	LT	1009		341.7																								
			1009	2001		335.0	333.5	0.4							344														
LALT 48+54	37	RT	1018		354.7																								
			1018	1004		342.3	342.1	0.3							36														
LALT 52+48	56	LT	1019		345.0																								
			1019	1013		334.0	333.7											92											
L 52+55	26	RT	1013		345.6																								
SHEET TOTALS															1168			92											
PROJECT TOTALS															1168			92											

LINE & STATION	FROM	TO	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	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	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	ENERGY DISSIPATION BASIN	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
LALT 43+16	0839				2.387				1		1																							
	0839	0901																																
LALT 42+53	0842				2.387				1		1																							
	0842	0839																																
LALT 44+26	0901				2.387				1		1																							
	0901	0912																																SEE DETAIL 2C-21 FOR TEMP CONNECTION
					2.700				1		1																							SEE DETAIL 2C-21 FOR TEMP CONNECTION
LALT 47+50	0910				2.387				1			1																						
	0910	1018																																
LALT 45+58	0912				2.387				1	1																								
	0912	0910																																
Y15 10+73	1004				2.387				1		1																							
	1004	1005																																
Y15 10+78	1005				2.387				1			1																						
	1005	1008																																
Y15 12+12	1008				2.387				1	1																								
	1008	1009																																
Y15 12+30	1009				2.387										1	1																		
	1009	2001																																
LALT 48+54	1018				2.387												1					1												
	1018	1004																																
LALT 52+48	1019			7.100																														
	1019	1013																																
L 52+55	1013				7.200							1																						SEE DETAIL 2C-8
SHEET TOTALS				7.100	33.770				9	2	5	3			1	1	1					1												
PROJECT TOTALS				7.100	33.770				9	2	5	3			1	1	1					1												

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