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-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)

LINE & STATION	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15	18	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE 12 (.064)	15 (.064)	18 (.064)	R. C. PIPE CLASS IV 15	18	24	30	36	42	48	R. C. PIPE CLASS V 12	15	18	24	30	48	BIT COAT CORRUGATED METAL PIPE 36
L 61+62	372	LT	0128		344.5																											
R1 11+00	4	LT	0401		394.8																											
			0401	0403		393.2	392.5												140													
R1 12+40	0	CL	0402		399.0																											
R1 12+40	19	LT	0403		400.2																											
			0403	0402		392.5	392.4												20													
LALT 14+70	33	LT	0404		407.3																											
			0404	0405		404.1	403.6												16													
LALT 14+64	19	LT	0405		406.7																											
LALT 14+81	44	RT	0406		407.6																											
			0406	0407		404.5	403.7												12													
LALT 14+78	31	RT	0407		406.9																											
LALT 19+89	34	RT	0409		402.9																											
			0409	0416		399.8	399.3												76													
Y3 10+60	20	RT	0411		404.2																											
			0411	0413															44													
Y3 10+79	36	LT	0412		404.3																											
			0412	0413		402.0	400.3												16													
Y3 10+80	20	LT	0413		403.5																											
			0413	0414		400.3	396.6												88													
Y3 11+68	20	LT	0414		399.7																											
			0414	0415		396.6	396.4												40													
Y3 11+68	20	RT	0415		401.2																											
			0415	0416		396.4	396.3												48													
LALT 19+95	45	LT	0416		402.5																											
			0416	0418		396.0	395.7													112												
LALT 18+13	33	LT	0417		409.9																											
			0417	0418		406.7	403.9												68													
LALT 18+80	50	LT	0418		407.1																											
LALT 18+72	77	LT	0419		406.2																											
LALT 19+00	91	LT	0420		397.0																											
			0420	0421		393.8	392.3												12													
LALT 19+00	79	LT	0421		395.4																											
R3 11+05	12	RT	0422		407.8																											
			0422	0423		404.7	398.0										56															
R1 13+90	19	RT	0425		403.5																											
			0425	0426		400.5	400.4												40													
R1 13+75	18	LT	0426		403.6																											
			0426	0403		400.4	397.1												132													
LALT 25+03	52	RT	0501		395.8																											
			0501	0509		393.5	389.1												16													
LALT 22+85	35	LT	0502		394.5																											
			0502	0503		391.3	389.9												100													
LALT 23+85	35	LT	0503		393.0																											
			0503	0517		389.9	389.2	0.5											88													
LALT 22+75	35	RT	0504		394.7																											
			0504	0506		391.5	390.3												76													
LALT 23+40	80	RT	0505		399.8																											
			0505	0506		396.8	390.3										48															
LALT 23+50	35	RT	0506		393.5																											
SHEET TOTALS																	104		1032	112												

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	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	T.B.D.I. 840.36	T.B.D.I. FRAME AND GRATE 840.37	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING D.I. TO J.B.	CS PIPE ELBOWS NO. & SIZE	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 61+62	0128																														EXISTING CB TO BE RETAINED
R1 11+00	0401					1																1	1								
	0401	0403																													
R1 12+40	0402					1	1.6															1	1								
R1 12+40	0403					1	2.7		1		1																				
	0403	0402																													
LALT 14+70	0404					1			1		1																				
	0404	0405																													
LALT 14+64	0405					1																1	1								
LALT 14+81	0406					1			1			1																			
	0406	0407																													
LALT 14+78	0407					1																1	1								
LALT 19+89	0409					1			1		1																				
	0409	0416																													
Y3 10+60	0411					1			1		1																				
	0411	0413																													
Y3 10+79	0412					1									1	1															
	0412	0413																													
Y3 10+80	0413					1			1			1																			
	0413	0414																													
Y3 11+68	0414					1			1	1																					
	0414	0415																													
Y3 11+68	0415					1			1	1																					
	0415	0416																													
LALT 19+95	0416					1	1.4		1			1																			
	0416	0418																													
LALT 18+13	0417					1			1			1																			
	0417	0418																													
LALT 18+80	0418					1	5.0	1.3	1			1																			
LALT 18+72	0419																						1	1							
LALT 19+00	0420					1								1																	
	0420	0421																													
LALT 19+00	0421																						1		1						
R3 11+05	0422					1			1	1																					
	0422	0423																													
R1 13+90	0425					1			1			1																			
	0425	0426																													
R1 13+75	0426					1			1		1																				
	0426	0403																													
LALT 25+03	0501					1									1	1															
	0501	0509																													
LALT 22+85	0502					1			1			1																			
	0502	0503																													
LALT 23+85	0503					1			1			1																			
	0503	0517																													
LALT 22+75	0504					1			1		1																				
	0504	0506																													
LALT 23+40	0505					1								1																	
	0505	0506																													
LALT 23+50	0506					1			1		1																				
SHEET TOTALS						26	10.7	1.3	18	3	7	8		2	2	2						4	6	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