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-11

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 / 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) 15	Drainage Pipe 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	C. S. PIPE 15 .064	C. S. PIPE 18 .064
LALT 59+11	16	RT	0000															
LALT 65+51	80	RT	0000															
LALT 65+51	16	RT	0000															
LALT 40+66	33	RT	0000															
LALT 40+71	78	RT	0000															
LALT 29+73	14	RT	0000															
LALT 40+54	90	LT	0000															
LALT 59+06	26	RT	0000															
LALT 65+73	34	LT	0000															
LALT 15+05	331	LT	0000															
LALT 18+81	37	LT	0000															
LALT 26+77	15	RT	0000															
LALT 31+04	6	RT	0000															
LALT 30+91	58	LT	0000															
LALT 31+31	54	LT	0000															
LALT 31+30	68	LT	0000															
LALT 31+35	108	LT	0000															
LALT 33+30	62	LT	0000															
LALT 37+51	53	LT	0000															
LALT 36+52	23	LT	0000															
LALT 40+52	8	RT	0000															
LALT 42+85	17	RT	0000															
LALT 42+69	3	RT	0000															
LALT 44+38	24	RT	0000															
LALT 46+56	38	LT	0000															
LALT 46+64	75	RT	0000															
LALT 44+60	38	RT	0000															
LALT 44+02	10	RT	0000															
LALT 53+16	19	LT	0000															
LALT 54+08	22	LT	0000															
LALT 65+04	28	LT	0000															
Y 25+05	0	CL	0000															
LALT 22+26	707	RT	0000															
-LALT-																		
NSR/CSX																		
NSR/CSX DETOUR										68		X	X	X	X			54
SHEET TOTALS										68								54
PROJECT TOTALS									68	68							184	54

LINE & STATION	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	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
NSR/CSX DETOUR										120				116	3.500			3			
SHEET TOTALS										120				116	3.500			3			
PROJECT TOTALS	6796	704	1912	476	204	1108	84		344	120				116	3.500			216	59.7		156

LINE & STATION	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
LALT 59+11																				0.029		
LALT 65+51																				0.182		
LALT 65+51																				0.182		
LALT 40+66																					29	
LALT 40+71																					62	
LALT 29+73																					252	
LALT 40+54																					49	
LALT 59+06																					16	
LALT 65+73																					26	
LALT 15+05																					135	
LALT 18+81																					22	
LALT 26+77																					335	
LALT 31+04																					14	
LALT 30+91																					72	
LALT 31+31																					6	
LALT 31+30																					24	
LALT 31+35																					103	
LALT 33+30																					87	
LALT 37+51																					104	
LALT 36+52																					1	
LALT 40+52																					28	
LALT 42+85																					25	
LALT 42+69																					20	
LALT 44+38																					20	
LALT 46+56																					70	
LALT 46+64																					101	
LALT 44+60																					24	
LALT 44+02																					105	
LALT 53+16																					124	
LALT 54+08																					55	
LALT 65+04																					13	
Y 25+05																					54	
LALT 22+26																					4	
-LALT-																		50				CONTINGENCY FLOWABLE FILL
NSR/CSX																					207	SEE TRACK PLANS
NSR/CSX DETOUR								3	4			2		2					0.4500		60	SEE TRACK PLANS
SHEET TOTALS								3	4			2		2				50	0.4500	0.393	2247	
PROJECT TOTALS	23	66	67	14	2	47	47	3	4	1	36	4	5	11	1	1	2	50	0.4500	3.833	3558	

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