R0/2661/03

COMPUTED BY: L. JAH DATE: 01/12/2015

CHECKED BY: A.K. WHITE DATE: 11/16/2015

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3308	3D-10

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: 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 SIZE: 12	15	18	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. 838.11 (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) A: 0' THRU 5' EACH	B: 5' THRU 10' LIN. FT.	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
THICKNESS OR GAUGE											.064	.064	.064																																							
LALT 42+55	29	LT	0000																																																54	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 44+39	9	LT	0000																																															27	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 44+88	1	LT	0000																																															26	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 46+80	7	LT	0000																																															51	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 59+11	0	CL	0000																																															46	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 65+38	51	RT	0000																																															128	REMOVE PIPE OR FILL W/FLOWABLE FILL
LALT 44+29	45	LT	0000																																																0.029	
LALT 18+77	74	LT	0000																																																0.065	
LALT 19+92	18	LT	0000																																																0.065	
LALT 65+09	20	LT	0000																																																0.182	
LALT 65+26	22	RT	0000																																																0.182	
LALT 65+24	16	RT	0000																																																0.182	
LALT 65+67	20	LT	0000																																																0.182	
LALT 19+94	30	RT	0000																																																0.045	
LALT 19+96	15	LT	0000																																																0.045	
LALT 19+97	20	LT	0000																																																0.045	
LALT 20+30	59	LT	0000																																																0.045	
LALT 20+34	60	LT	0000																																																0.045	
LALT 20+58	60	LT	0000																																																0.045	
LALT 25+08	17	RT	0000																																																0.045	
LALT 25+07	43	RT	0000																																																0.045	
LALT 31+27	52	LT	0000																																																0.065	
LALT 31+08	2	LT	0000																																																0.065	
LALT 31+37	55	LT	0000																																																0.116	
LALT 31+65	54	LT	0000																																																0.116	
LALT 31+95	53	LT	0000																																																0.182	
LALT 31+69	54	LT	0000																																																0.182	
LALT 31+36	52	LT	0000																																																0.065	
LALT 31+25	52	RT	0000																																																0.065	
LALT 33+78	69	LT	0000																																																0.116	
LALT 36+54	25	LT	0000																																																0.045	
LALT 33+78	70	LT	0000																																																0.116	
LALT 36+54	25	LT	0000																																																0.045	
LALT 36+49	18	LT	0000																																																0.045	
LALT 36+10	45	RT	0000																																																0.045	
LALT 36+53	21	LT	0000																																																0.045	
LALT 37+02	36	LT	0000																																																0.045	
LALT 36+74	101	LT	0000																																																0.045	
LALT 40+56	61	LT	0000																																																0.065	
LALT 40+42	3	LT	0000																																																0.065	
LALT 42+48	49	LT	0000																																																0.045	
LALT 42+51	51	LT	0000																																																0.182	
LALT 42+63	10	LT	0000																																																0.045	
LALT 43+50	12	LT	0000																																																0.182	
LALT 44+49	27	RT	0000																																																0.029	
LALT 45+01	42	LT	0000																																																0.029	
LALT 44+75	41	RT	0000																																																0.029	
LALT 46+92	35	LT	0000																																																0.045	
LALT 46+67	21	RT	0000																																																0.045	
LALT 59+10	18	LT	0000																																																0.029	
SHEET TOTALS																																																					3.440	332

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