BELAM-NEW

COMPUTED BY:	BNE	DATE:	1/29/2017
CHECKED BY:	JGD	DATE:	12/10/2017

PROJECT NO.	SHEET NO.
U-6084	3D-2

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	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15	18	24	30	36	42	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	R. C. PIPE CLASS III 12	15	18	24	30	36	R. C. PIPE CLASS IV 12	15	18	24	30	36	R. C. PIPE CLASS V 15	18	24	30	36	42	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	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	M.H. FRAME AND COVER STD. 840.54	ADJUST C.B.	ADJUST D.I.	ADJUST 2 G.D.I.	15" DRAINAGE PIPE ELBOW	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
Y2 11+24	62	RT	0529		731.8																																				1	3.3		1	1																											Offset Catch Basin - See Special Detail 2C-4
L 33+15	73	RT	0532		732.0																																				1			1			1																									
			0532	0533		729.0	728.4		32							X	X																																																							
Y1 12+18	41	LT	0534		736.5																																				1			1			1																									
			0534	0535		733.1	731.0	0.3																			212																																													
Y1 14+30	49	LT	0535		734.0																																				1			1			1																									
			0535	0536		730.7	730.5																					44																																										
Y1 14+75	60	LT	0536		733.7																																				1			1			1																									
			0536	0537		730.5	730.0																					16																																										
Y1 14+89	67	LT	0537		733.7																																				1	0.2		1	1																										
L 36+80	88	LT	0538A		732.5																																				1																						1									Convert 2GI to JB w/ MH - See Special Detail 2C-5
			0538A	0538		725.2	725.0															24																																																		
L 37+00	102	LT	0538		730.0																																				1												1			1																	
			0538	0539		725.0	724.0	0.4		52						X	X																																																							
L 39+35	0	CL	0540		730.5																																				1												1			1																	
			0540	0606		727.8	725.7																				312																																													
L 36+10	63	RT	0541		734.0																																				1			1	1																											
			0541	0542		731.0	730.2																				44																																													
L 36+10	105	RT	0542		733.4																																				1							1		1	1																					
			0542	0543		730.2	729.5																				32																																													
L 36+10	139	RT	0543		732.5																																				1			1	1																											
			0543	0546		729.5	728.6																				172																																													
L 38+20	63	RT	0544		733.3																																				1			1		1																										
			0544	0545		730.3	729.6																				56																																													
L 37+82	105	RT	0545		732.8																																				1							1		1	1																					
			0545	0546		729.6	728.6																				32																																													
L 37+82	139	RT	0546		731.9																																				1			1		1																										
			0546	0549		728.6	727.6	0.4																			116																																													
L 40+10	64	RT	0547		731.5																																				1							1		1	1																					
			0547	0548		728.3	727.8																				96																																													
L 39+12	67	RT	0548		732.6																																				1							1		1	1																					
			0548	0549		727.8	727.6																				56																																													
L 38+97	121	RT	0549		731.5																																				1			1		1																										
			0549	0550		727.6	725.0	0.8	32							X	X																																																							
Y3 12+53	12	RT	0601		722.0																																				1			1	1																											
			0601	0602		719.0	718.9																				20																																													
Y3 12+53	12	LT	0602		722.0																																				1			1	1																											
			0602	0604		718.9	718.7																				76																																													
Y3 11+75	12	RT	0603		722.7																																				1			1		1																										
			0603	0604		719.7	718.7																				24																																													
Y3 11+75	12	LT	0604		722.7																																				1			1			1																									
			0604	0605		718.7	700.6	1.2	100						X																																																		2					
L 42+50	12	RT	0606		728.9																																				1							1		1	1																					
			0606	0607		725.7	722.4																				88																																													
L 43+38	11	RT	0607		725.6																																				1							1		1	1																					
			0607	0608		722.4	715.8													176																																																				
L 45+17	9	RT	0608		718.0																																				1													1		1																
			0608	0609		715.0	714.8															12																																																		
L 45+17	3	LT	0609		714.8																																																																	0.5526			
L 44+38	125	LT	0611		688.6																																																																	0.7640			
								SHEET TOTALS	164	52											176	24	12				1336	60													25	3.5		15	6	4	5	6		6	6		2	1		3							1				2		1.3166			

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