D083340

COMPUTED BY:	DLS	DATE:	5/10/15
CHECKED BY:	EK	DATE:	5/10/15

PROJECT NO.	SHEET NO.
U-3315	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 / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	DIP PIPE SEALED PIPE SYSTEM SEE SPECIAL PROVISIONS 16 (CLASS 250)	DIP 18 (CLASS 250)	DIP 24 (CLASS 250)	DIP 30 (CLASS 150)	DIP 36 (CLASS 150)	DIP 42 (CLASS 150)	DIP 48 (CLASS 150)	SEALED DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR SEALED 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.	SEALED STRUCTURE WITH BOOTS	R. C. PIPE CLASS III 15	III 18	III 24	III 30	III 36	III 42	III 48	R. C. PIPE CLASS IV 15	IV 18	IV 24	IV 30	IV 36	IV 42	IV 48	R. C. PIPE CLASS V 42	V 48 UNDER RR	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 WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34 OR SEE REMARKS	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	TEMP STEEL PLATE COVER MASONRY DRAINAGE	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.	ANTI-SEEP COLLAR - SEE SPEC. PROV. EA.	ADJUST C.B.	ADJUST D.I.	CONCRETE FLUME IN 2'-0" C&G (SEE REMARKS)	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 16+77	52 RT	0416		70.3																																	1			1		1																																						20	
		0416	0418		66.0	65.4																							120																																																				
L 18+00	52 RT	0418		69.6																																	1			1		1																																							
		0418	0513		65.4	64.9	0.3																						96																																																					
L 20+38	75 LT	0539		69.6																																	1												1							1																										
		0539	0502		67.2	66.6																						20																																																					
L 20+44	56 LT	0502		71.6																																	1			1			1																																	104			80	
		0502	0501		66.6	66.0																						132																																																					
L 19+21	63 LT	0541		69.8																																	1												1							1																								192	
		0541	0501		66.0	65.2	0.9																						24																																																					
L 19+20	43 LT	0501		70.6																																	1	1.9		1	1																																								15	
		0501	0535		63.7	63.6																											32																																																			
L 19+20	13 LT	0535		70.3																																	1	1.7						1		1	1																				1													195	
		0535	0513		63.6	63.2																											72																																																			
L 19+10	77 RT	0514		71.3																																	1												1					1																											
		0514	0513		66.4	65.4																						24																																																					
L 18+99	53 RT	0513		68.8																																	1	0.1		1	1																																								PRECAST STRUCTURE
		0513	0513A		62.9	62.5																												56																																																	
L 19+55	43 RT	0513A		69.2																																	1	1.7								1	1																																	80	
		0513A	0518		62.5	61.7	0.5																		148																																																									
L 22+46	57 LT	0503		70.9																																	1			1			1																																				54	
		0503	0505		68.0	67.0																						128																																																					
L 23+38	87 LT	0504		69.0																																	1																						1	20																						
		0504	0505		66.1	65.9																44																																																												
L 23+68	94 LT	0506		69.9																																	1												1							1																								20	
		0506	0505		67.4	67.3																40																																																												
L 24+10	57 LT	0508		69.7																																	1			1			1																																				205	
		0508	0505		66.7	66.6																						40																																																					
L 23+68	57 LT	0505		70.1																																	1			1	1																																								46	
		0505	0524		65.9	65.5																						60																																																					
L 23+64	2 LT	0525		69.3																																	1							1		1	1																																				
		0525	0524		66.0	65.5																						16																																																					
L 23+48	2 LT	0524		69.3																																	1							1		1	1																																		76	
		0524	0523		65.0	64.5																						48																																																					
L 23+41	57 RT	0522		69.2																																	1																								1								1													
		0522	0523		64.6	64.6	0.4															16																																																												
L 26+18	46 LT	0509		68.9																																	1			1			1																																				230	
		0509	0510		65.9	64.6																						184																																																					
L 28+20	82 LT	0511		67.9																																	1									1	1																																		
		0511	0510		65.5	65.3																44																																																											
L 27+98	45 LT	0510		68.2																																	1			1			1																																				263	
		0510	0601		64.3	62.4	0.3																						196																																																					
Y1 21+50	60 RT	0515		69.9																																	1	0.5											1									1																							
		0515	0516		64.4	64.3																12																																																												
Y1 21+50	48 RT	0516		69.5																																	1	0.2		1	1																																									
		0516	1206		64.3	63.9																76																																																												
L 23+42	78 RT	0521		68.5																																	1												1							1																									
		0521	0522		65.3	64.5																24																																																												
L 27+21	83 RT	0526		68.5																																	1												1							1																									
		0526	0527		65.3	65.2																40																																																													
SHEET TOTALS																				296						148	652	196	240			104	56				25	6.1		11	4	2	5	3		5	5		7					1		5		1	1	20	1						1		1								104			1476	

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