RD266193

COMPUTED BY:	JMB	DATE:	2/13/15
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PROJECT NO.	SHEET NO.
B-5123	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 (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) 12	15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE (0.064" THICK) 15 .064	R. C. PIPE CLASS IV 15	15" SIDE DRAIN PIPE	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) DRAINAGE STRUCTURE MASONRY EACH	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	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	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	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	15" C.S. ELBOW	PREFORMED SCOUR HOLE (PER EACH)	PIPE REMOVAL LIN. FT.	REMARKS
L 18+50	49	RT	0404		591.0																	1	1			1		1													
			0404	0401		587.7	586.1																100																					
L 19+50	49	RT	0401		589.3																	1	1			1		1													
			0401	0402		586.1	585.5																68																					
L 20+20	49	RT	0402		588.8																	1	1			1		1													
			0402	0422		585.5	563.8	0.6														56																			2			
L 20+20	106	RT	0422		566.8																	1	1									1									
			0422	0403		563.8	562.8				120																																		
L 19+85	50	LT	0405		589.0																	1	1			1			1												
			0405	0406		585.6	585.1																84																					
L 19+00	50	LT	0406		590.0																	1	1			1			1												
			0406	0407		585.1	584.6																100																					
L 18+00	50	LT	0407		592.2																	1	1	2.6		1			1												
			0407	0408		584.6	572.6	0.9														52																			2			
L 18+00	99	LT	0408		575.8																																				1		SEE PSH 4, DETAIL A
L 25+69	50	LT	0416		587.1																	1	1			1			1												
			0416	0417		583.9	583.5																68																					
L 25+00	50	LT	0417		587.3																	1	1			1			1												
			0417	0418		583.5	583.0																100																					
L 24+00	50	LT	0418		587.6																	1	1			1			1												
			0418	0419		583.0	582.3																128																					
L 22+65	49	LT	0419		588.7																	1	1	1.4		1			1												
			0419	0420		582.3	582.2	0.4															12																					
L 22+73	60	LT	0426		587.8																	1	1												1		1				
			0426	0420		584.6	584.4																8																					
L 22+65	60	LT	0420		587.8																	1	1	0.6											1		1				
			0420	0421																		88																			2			28	Remove 28' Temporary Pipe Extension
L 26+90	10	RT	0501		587.8																	1	1			1			1		1										
			0501	0506		584.8	584.5																56																					
L 26+35	9	RT	0506		588.1																	1	1			1			1		1										
			0506	0409		584.5	584.2																48																					
L 25+85	10	RT	0409		588.2																	1	1			1			1		1										
			0409	0410		584.2	584.1																40																					
L 25+85	49	RT	0410		588.2																	1	1			1		1													
			0410	0427		584.1	583.6																84																					
L 25+00	50	RT	0427		587.9																	1	1			1		1													
			0427	0411		583.6	583.4																48																					
L 24+50	49	RT	0411		587.5																	1	1			1		1													
			0411	0412		583.4	583.1																48																					
L 24+00	49	RT	0412		587.6																	1	1			1		1													
			0412	0413		583.1	582.6																92																					
L 23+09	49	RT	0413		587.8																	1	1	0.2		1		1													
			0413	0414		582.6	582.5	0.4															12																					
L 23+17	60	RT	0425		587.7																	1	1												1		1				
			0425	0414		584.4	584.2																8																					
L 23+09	60	RT	0414		587.7																	1	1	0.2											1		1				
			0414	0415		582.5	565.1	2.2														52																			2			
L 22+94	111	RT	0415		566.4																																				1		
L 28+40	7	LT	0502		587.2																	1	1							1			1	1							
			0502	0504		583.9	583.3																120																					
SHEET TOTALS												120											248	1224		24	24	5.0		18		8	10	1	3	1	1	1	4		4	8	2	28	

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