COMPUTED BY:	DBE	DATE:	4/25/2014
CHECKED BY:	RWP	DATE:	5/16/2014

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".

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-4463AA	3D-1

REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Other printed column headings (no entries): SIZE; THICKNESS OR GAUGE; SLOPE CRITICAL; DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12", 18", 24", 30", 36"; DO NOT USE RCP; DO NOT USE HDPE; C.S. PIPE 15" .064, 18" .064, 24" .064, 36" .079, 42" .109, 48" .109; R.C. PIPE CLASS III 18", 42", 48"; R.C. PIPE CLASS IV 15", 18", 24", 30", 36", 42", 48"; 15" SIDE DRAIN PIPE; 18" SIDE DRAIN PIPE; 24" SIDE DRAIN PIPE; ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS C.S.P.; QUANTITIES FOR MASONRY DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE: COL. 'A' + (1.3 X COL. 'B') LIN. FT.* B 10.0' AND ABOVE; C.B. STD. 840.01 OR STD. 840.02; FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E F G; CONCRETE TRANSITIONAL SECTION DROP INLET, CATCH BASIN; O.T.C.B. STD. 840.04 OR 840.05; D.I. STD. 840.14 OR 840.15; D.I. FRAME & GRATES STD. 840.16; G.D.I. TYPE "A" STD. 840.17 OR 840.26; G.D.I. TYPE "D" STD. 840.19 OR 840.28; T.B.J.B. STD. 840.34; T.B.D.I. STD. 840.35 (FOR CAST IRON FRAME & GRATES); G.D.I. FRAME WITH SAG GRATE STD. 840.22; G.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.24; G.D.I. (N.S.) FRAME WITH TWO SAG GRATES STD. 840.24; FLOWABLE FILL (CY); CORR. STEEL PIPE ELBOWS - NO. & SIZE (INCHES); DRAINAGE PIPE ELBOWS - NO. & SIZE (INCHES); CONC. & BRICK PIPE PLUG (C.Y.) STD. 840.71; CONC. COLLARS CL. "B" (C.Y.) STD. 840.72; PIPE REMOVAL LIN. FT.

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	DRAINAGE PIPE 15"	DO NOT USE CSP	DO NOT USE CAAP	R.C. PIPE CLASS III 15"	R.C. PIPE CLASS III 24"	R.C. PIPE CLASS III 30"	R.C. PIPE CLASS III 36"	ENDWALLS CU. YARDS R.C.P.	PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	G.D.I. TYPE "B" STD. 840.18 OR 840.27	J.B. STD. 840.31 OR 840.32	G.D.I. FRAME WITH TWO SAG GRATES STD. 840.22	MANHOLE FRAME AND COVER STD. 840.54	REMARKS
-L- 15+00	CL	0401		31.9	28.9										1		1		1		
		0401	0402		28.9	26.9	44	X	X												
-L- 15+43	CL	0402		31.9	26.9										1		1		1		
		0402	0404		26.9	24.3	124	X	X												
-L- 16+38 (IN)	RT	0403	0404		24.3	24.3					100										
-L- 16+65	CL	0404		32.2	24.3										1	2.9	1		1		
-L- 16+91 (OUT)	LT	0404	0405		24.3	24.2					104										
SEE 54" & OVER		0406	0408																		
-L- 24+50	CL	0501		31.1	28.3										1		1		1		
		0501	0502		28.3	26.8	252	X	X												
-L- 22+00	CL	0502		31.8	26.8										1		1		1		
-L- 22+00 (OUT)	LT	0502	0503		26.8	24.9				104											
-L- 29+00	CL	0504		30.4	27.4										1		1		1		
		0504	0505		27.4	26.8	100	X	X												
-L- 28+00	CL	0505		30.3	26.8										1		1		1		
		0505	0506		26.8	25.9	100	X	X												
-L- 27+00	CL	0506		30.4	25.9										1		1		1		
-L- 26+95 (OUT)	RT	0506	0507		25.9	25.2				84											
NOT USED		0508	0509																		
-L- 31+00	CL	0510		30.9	27.9										1		1		1		
		0510	0511		27.9	26.5	200	X	X												
-L- 33+00	CL	0511		31.5	26.5										1		1		1		
		0511	0601		26.5	24.6	176	X	X												
-L- 33+69 (IN)	RT	0512	0601		24.7	24.6					144										
-L- 34+75	CL	0601		32.0	24.6										1	2.4	1		1		
-L- 35+70 (OUT)	LT	0601	0602		24.6	24.6					136										
-L- 38+00	CL	0603		31.8	28.2										1		1		1		
-L- 38+00 (OUT)	LT	0603	0604		28.2	27.3				88											
-L- 40+50	CL	0605		31.1	28.1										1		1		1		
		0605	0606		28.1	27.4	52	X	X												
-L- 41+00	CL	0606		30.9	27.4										1		1		1		
		0606	0608		27.4	23.2	252	X	X												
-L- 43+50 (IN)	RT	0607	0608		23.2	23.2							100	3.4							HW @ -L- 43+50 (96' RT) +/-
-L- 43+50	CL	0608		33.1	23.2										1	4.9		1		1	
		0608	0609		23.2	23.1							12								
-L- 43+50	LT	0609		31.5	23.1										1	3.4	1		1		
-L- 43+32 (OUT)	LT	0609	0610		23.1	23.1							92								
-L- 44+98 (IN)	RT	0611	0612		23.2	23.1						116									REM 24" (SAME TRENCH)
-L- 44+35	LT	0612		31.7	23.1										1	3.6	1		1		
-L- 43+85 (OUT)	LT	0612	0613		23.1	23.0						100									
-L- 47+00	CL	0614		30.6	27.6										1		1		1		
-L- 47+00 (OUT)	LT	0614	0615		27.6	24.5				104											
-L- 48+50	CL	0701		31.1	27.1										1		1		1		
-L- 48+50 (OUT)	LT	0701	0702		27.1	25.0				92											
-L- 50+50	CL	0703		32.1	27.8										1		1		1		
-L- 50+50 (OUT)	LT	0703	0704		27.8	27.0				88											
PROJECT TOTALS							1300			560	484	216	204	3.4	20	17.2 / 17.2	19	1	19	1	

ABBREVIATIONS

- C.B. CATCH BASIN
- N.D.I. NARROW DROP INLET
- D.I. DROP INLET
- G.D.I. GRATED DROP INLET
- G.D.I.(N.S.) GRATED DROP INLET (NARROW SLOT)
- J.B. JUNCTION BOX
- M.H. MANHOLE
- T.B.D.I. TRAFFIC BEARING DROP INLET
- T.B.J.B. TRAFFIC BEARING JUNCTION BOX

9/26/2014 14:14
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