COMPUTED BY: GTJ	DATE: 5/26/2015
CHECKED BY: TM	DATE: 5/26/2015

PROJECT REFERENCE NO.	SHEET NO.
R-5605	3D-2

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300–5".

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

Column headings printed on the sheet (all listed here; empty columns are left out of the table below): STATION / SIZE / THICKNESS OR GAUGE; LOCATION (LT, RT, OR CL); STRUCTURE NO. (FROM, TO); TOP ELEVATION; INVERT ELEVATION; INVERT ELEVATION; SLOPE CRITICAL; 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; C.S. PIPE 12" .064, 15" .064, 18" .064, 24" .064, 36" .079, 42" .109, 48" .109; R.C. PIPE (CLASS III) 15" 18" 24" 30" 36" 42" 48"; R.C. PIPE (CLASS IV) 12" 15" 18" 24" 30" 36" 42" 48"; **" R. C. PIPE (CLASS V); **" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE; **" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE; 15" SIDE DRAIN PIPE; 18" SIDE DRAIN PIPE; ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P., C.S.P.; QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') PER EACH (0' THRU 5.0'), LIN. *FT. A 5.0' THRU 10.0', 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 CATCH BASIN, DROP INLET; G.D.I. FRAME WITH GRATE STD. 840.22; G.D.I. FRAME WITH TWO GRATES STD. 840.22; G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24; G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24; J.B. STD. 840.31 OR 840.32; CORR. STEEL ELBOWS NO. & SIZE; CONC. COLLARS CL. "B" C.Y. STD 840.72; CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71; PIPE REMOVAL LIN.FT.; REMARKS

STATION	LOCATION	FROM	TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	DRAINAGE PIPE 15"	DRAINAGE PIPE 18"	DRAINAGE PIPE 36"	R.C. PIPE (CLASS IV) 15"	R.C. PIPE (CLASS IV) 24"	ENDWALLS R.C.P. (CU. YDS.)	PER EACH (0' THRU 5.0')	A 5.0' THRU 10.0'	C.B. STD. 840.01 OR STD. 840.02	E	F	G	CATCH BASIN	REMARKS
24+88.84	RT	25		2131.1									1		1		1			
		25	24		2126.3	2125.3		56												
24+38.56	RT	26		2132.0									1		1		1			
		26	25		2127.4	2126.3		84												
24+17.86	RT	27		2132.1									1		1	1				
		27	26		2128.7	2127.6				76										
23+79.37	RT	28		2132.1									1		1	1				
		28	27		2129.1	2128.7				40										
23+65.61	RT	29		2132.4								0.7								HEADWALL NCDOT STD. 838.80
		29	28		2129.6	2129.1				16										
27+21.56	LT	30		2124.7									1		1			1		
		23	30		2123.2	2120.1					172									
		30	OUT		2120.1	2119.8					20									
27+21.56	RT	31		2125.9									1		1			1	1	
		31	30		2122.9	2120.8				52										
28+30.31	LT	32		2123.0									1		1			1	1	
		32	OUT		2119.5	2119.4				16										
28+30.31	RT	33		2123.7									1		1			1		
		33	32		2120.7	2119.5				52										
30+06.56	LT	34		2121.0									1		1	1				
		34	OUT		2117.6	2117.5				16										
30+06.56	CL	35		2121.4									1		1	1			1	
		35	34		2117.8	2117.6				44										
30+06.56	RT	36		2121.0									1		1	1				
		36	35		2118.0	2117.8				44										
30+26.56	RT	37		2121.1									1		1			1		
		37	36		2118.1	2118.0				20										
30+59.77	LT	38		2121.1								3.4								HEADWALL NCDOT STD. 838.01
		38	OUT		2115.8	2115.5			60											
31+25.25	LT	39		2121.9									1		1		1			
		39	OUT		2117.1	2117.0	20													
31+25.25	RT	40		2121.9									1		1			1		
		40	39		2118.9	2117.1				84										
33+62.18	LT	41		2124.3									1	1.9	1		1			
		41	OUT		2117.4	2117.3	32													
33+62.18	RT	42		2124.3									1		1			1		
		42	41		2121.3	2117.4				84										
35+89.10	LT	43		2126.5									1	2.3	1		1			
		43	OUT		2119.2	2119.0	36													
35+89.10	RT	44		2127.2									1	0.2	1		1		1	
		44	43		2122.0	2119.2	52													
37+64.12	LT	45		2128.0									1		1		1			
		45	OUT		2125.0	2124.9				24										
37+64.12	RT	46		2128.9									1		1		1		1	
		46	45		2125.9	2125.0				52										
41+79.43	LT	47		2126.2									1		1			1		
41+79.43	RT	48		2127.1									1		1			1	1	
42+00	LT	49		2126.2									1		1	1				
		47	49		2122.5	2121.4				20										
TOTALS							140	140	60	640	192	4.1	23	4.4	23	6	8	9	6	

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

4/04/06
30-NOV-2015 12:39
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