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

PROJECT REFERENCE NO.	SHEET NO.
R-5605	3D-1

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)

STATION / SIZE / THICKNESS OR GAUGE	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. 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 PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') 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
10+91.54	LT	1		2174.5																																													1			1			1														
10+91.54	RT	2		2175.1																																													1			1			1		1												
		2	1		2172.1	2171.5																													52																																		
11+82.98	LT	3		2169.4																																													1			1			1														
		1	3		2171.5	2166.4																													92																																		
12+89.96	LT	4		2164.9																																													1			1			1														
		3	4		2166.4	2161.9																													96																																		
12+89.96	RT	5		2166.1																																													1			1			1		1												
		5	4		2163.1	2161.9																													52																																		
13+87.39	LT	6		2160.2																																													1			1			1														
		4	6		2161.9	2157.2																													88																																		
14+24.88	RT	7		2159.9																																													1			1			1		1												
14+24.88	RT	8		2160.1																																											1.5																						HEADWALL NCDOT STD. 838.80
		8	7		2156.9	2156.2																															52																																
14+98.24	LT	9		2156.9																																													1			1			1														
		6	9		2157.2	2152.4																													100																																		
		9	OUT		2151.7	2151.2																															24																																
14+98.24	RT	10		2157.5																																													1			1			1		1												
		7	10		2156.2	2153.8																															76																																
		10	9		2153.8	2151.7																															52																																
18+98.23	LT	12		2147.2																																													1			1			1														
18+98.23	RT	13		2147.2																																													1			1		1															
		13	12		2144.2	2143.8																													84																																		
20+69.94	LT	14		2140.7																																													1			1			1														
		12	14		2143.8	2137.3																													172																																		
20+69.94	RT	15		2140.7																																													1			1		1															
		15	14		2137.7	2137.3																													84																																		
22+20.68	LT	16		2135.5																																													1			1			1														
		14	16		2137.3	2132.1																													152																																		
22+20.68	RT	17		2135.5																																													1			1		1															
		17	16		2132.5	2132.1																													76																																		
22+92.34	LT	18		2133.9																																													1			1			1														
		16	18		2132.1	2130.8																													76																																		
23+67.27	LT	19		2131.5																																													1			1			1														
		18	19		2130.8	2128.5																													96																																		
24+40.69	LT	20		2131.5																																													1			1		1															
		19	20		2128.3	2127.2																														76																																	
23+84.77	LT	20B		2,131.3																																													1			1			1													60	EXISTING PIPE REMOVAL (LT)
		20B	20A		2128.3	2128.1			40																																																													
24+22.79	LT	20A		2,131.41																																													1			1		1															
		20A	20		2128.1	2127.2			88																																																													
24+87.21	LT	21		2131.1																																													1			1			1													108	EXISTING PIPE REMOVAL (RT)
		20	21		2127.2	2126.3																														68																																	
24+87.21	CL	22		2130.7																																													1			1	1																
		22	21		2127.7	2126.5																													60																																		
25+38.93	LT	23		2128.8																																													1	0.1		1			1														
		21	23		2126.3	2123.7				60																																																											
25+38.93	RT	24		2130.2																																													1			1		1															
		24	23		2125.3	2123.7				80																																																											
TOTALS									128	140																									1280	144	204										1.5		24	0.1		24	1	6	17		4												168	

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
...ects\DRV_Connector\DRV 2014\Roadway\Proj\R5605_Rdy_summaries.dgn
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