COMPUTED BY: T. A. HARRIS DATE: 02/09/2016
CHECKED BY: T.R. MEADOWS DATE: 02/09/2016

PROJECT REFERENCE NO.	SHEET NO.
B-5125	3D-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

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".

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
-L- 10+73.50	RT	0402		2011.5	2006.2														
	CL	0402	0405		2006.2	2005.5													
-L- 11+20.60	RT	0403		2012.2	2008.5														
	LT	0403	0406		2008.5	2005.0													
-L- 11+74.09	RT	0404		2012.9	2009.0														
	CL	0404	0406a		2009.0	2004.2													
-L- 11+01.00	LT	0405		2011.6	2005.5														
	LT	0405	0406		2005.5	2005.0													
-L- 11+22.00	LT	0406		2012.5	2005.0														
	LT	0406	0406a		2005.5	2004.2													
-L- 11+72.87	LT	0406a		2013.2	2004.2														
	LT	0406a	0407		2004.2	2003.8						36'					X	X	X
-L- 12+06.00	LT	0407		2010.1	2003.8														
-L- 14+57.94	RT	0426		2012.8	2001.8														
	RT	0426	0428		2001.8	2002.0													
	RT	0426	0424		2001.8	2001.0									40'		X	X	X
-L- 14+18.34	RT	0424			2001.0														
-L- 14+90.96	RT	0428		2012.2	2002.0														
	RT	0428	0425		2002.0	2002.2													
-L- 15+22.00	RT	0425		2013.8	2002.2														
	CL	0425	0429		2002.2	2009.1													
	RT	0425	0422		2002.2	2003.4													
-L- 15+00.00	LT	0429		2014.3	2009.1														
-L- 16+41.32	RT	0422		2011.1	2003.4														
	RT	0422	0421		2003.4	2003.7													
-L- 16+66.66	RT	0421		2012.1	2003.7														
	CL	0421	0420		2003.7	2008.6													
-L- 16+75.00	LT	0420		2012.4	2008.6														
TOTALS												36'			40'				

STATION / SIZE / THICKNESS OR GAUGE	C.S. PIPE 12"	15"	18"	24"	36"	42"	48"	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)	*** RC PIPE CULVERTS, CONTRATOR DESIGN	*** RC PIPE CULVERTS, CONTRATOR DESIGN	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.
	.064	.064	.064	.064	.079	.109	.109																						
-L- 10+73.50																													
																		56'											
-L- 11+20.60																													
										48'																			
-L- 11+74.09																													
																	44'												
-L- 11+01.00																													
											24'																		
-L- 11+22.00																													
											52'																		
-L- 11+72.87																													
-L- 12+06.00																												2.3	
-L- 14+57.94																													
														40'															
-L- 14+18.34																													
-L- 14+90.96																													
														36'															
-L- 15+22.00																													
									52'																				
														120'															
-L- 15+00.00																													
-L- 16+41.32																													
														28'															
-L- 16+66.66																													
																	36'												
-L- 16+75.00																													
TOTALS									52'	48'	76'			224'			80'	56'										2.3	

STATION / SIZE / THICKNESS OR GAUGE	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B")	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	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME WITH TWO GRATES STD. 840.16	G.D.I. (W.S.) FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	M.H. FRAME AND COVER STD. 840.54			PIPE REMOVAL LIN.FT.	REMARKS
-L- 10+73.50	1	0.3													1			1					REMOVE EXIST. C.B.
																						65'	REMOVE EXIST. 24" RCP
-L- 11+20.60	1				1			1															
-L- 11+74.09	1															1		1					
-L- 11+01.00	1	1.1			1	1																	REMOVE AND REPLACE EXIST. C.B.
																							REMOVE 18.75' OF EXIST. 30" RCP
-L- 11+22.00	1	2.5														1		1					REMOVE EXIST. C.B.
-L- 11+72.87	1	4.0															1		1				
																							REMOVE 87' OF EXIST. 30" RCP
-L- 12+06.00																							HEADWALL
-L- 14+57.94	1	5.0	1.1													1		1					
																						30'	REMOVE EXIST. 15" RCP
																						38'	REMOVE EXIST. 48" RCP
-L- 14+18.34																							RIP RAP AT OUTLET
-L- 14+90.96	1	5.0	0.2														1		1				
-L- 15+22.00	1	5.0	1.6		1		1																
																						223'	REMOVE EXIST. 48" RCP
-L- 15+00.00	1	0.2												1	1								
-L- 16+41.32	1	2.7			1		1																
																							REMOVE EXIST. 15" RCP
-L- 16+66.66	1	3.4															1		1				REMOVE EXIST. J.B.
-L- 16+75.00	1									1	1	1											
TOTALS	13	29.2	2.9		4	1	2	1		1	1	1		2	1	3	3	4	3			356'	
		33.0																					

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

12/06/07

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