4/04/06

COMPUTED BY: TJW DATE: 4/26/18
CHECKED BY: RHD DATE: 4/26/18

PROJECT REFERENCE NO.	SHEET NO.
14C.045165	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".

SUB-REGIONAL & REGIONAL
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	SIDE DRAIN 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"	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"
																				.064	.064	.064	.064	.079	.109	.109															
1+15	CL																					50'																			
2+13	CL																					50'																			
8+02	RT																					50'																			
8+82	RT									40'																															
1+00	RT																																								
1+00	RT									150'																															
2+50	RT																																								
2+50	RT									150'																															
4+00	RT																																								
4+00	RT									150'																															
5+50	RT																																								
5+50	RT									150'																															
7+00	RT																																								
7+00	RT									40'																															
44+25	LT																						30'																		
44+61	CL																								50'																
44+68	RT																				30'																				
44+86	RT																				60'																				
54+73	LT																							25'																	
54+72	RT																				25'																				
55+21	CL																								50'																
57+80	LT																				20'																				

STATION / SIZE / THICKNESS OR GAUGE	"*" 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							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
1+15																														
2+13																														
8+02																														
8+82																														
1+00																C.B.														CATCH BASIN
1+00																														
2+50																C.B.														CATCH BASIN
2+50																														
4+00																C.B.														CATCH BASIN
4+00																														
5+50																C.B.														CATCH BASIN
5+50																														
7+00																C.B.														CATCH BASIN
7+00																														
44+25																														
44+61																														
44+68																														
44+86																														
54+73																														
54+72																														
55+21																														
57+80																														

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