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COMPUTED BY: KA/MH DATE: 5/4/2017

CHECKED BY: BM DATE: 5/4/2017

PROJECT NO.	SHEET NO.
I-5786	3D-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.

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

STATION	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) SIZE / THICKNESS OR GAUGE											
								12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
14+86 -L-	LT	0401		176.2															
14+87 -L-	RT	0402		176.3															
13+35 -L-	LT	0403			171.9														
		0403	0404		171.9	171.7													
14+10 -L-	LT	0404		176.3	171.7														
		0404	0405		171.7	171.5													
14+85 -L-	LT	0405		176	171.5														
		0405	0406		171.5	171.1													
15+22 -L-	LT	0418			171.0	170.7													
15+90 -Y1-	LT	0409		199.7	196.9														
		0409	0410		196.9	196.8													
15+90 -Y1-	RT	0410		199.7	196.8														
		0410	0411		196.8	174.5			48							X			
19+66 -Y1-	LT	0412		199.9	197.2														
		0412	0413		197.2	172.4			48							X			
19+66 -Y1-	RT	0414		199.9	197														
		0414	0415		197.0	177.6			48							X			
15+40 -L-	RT	0416		176.2	170.7														
		0416	0417		170.7	171.4													
19+16 -L-	LT	0407		174.9	171.2														
		0407	0408		171.2	171.2													
19+16 -L-	RT	0408		174.9	171.2														
		0408	0419		171.2	170													
22+00 -L-	LT	0418		174.8															
		0418	0419		170	170													
22+00 -L-	RT	0419		174.8															
		0419	0502		169.7	168.9													
24+76 -L-	LT	0501		174.3	168.9														
		0501	0502		168.9	168.9													
24+76 -L-	RT	0502		174.3	168.9														
24+77 -L-	RT	0503																	
		0503	0504		167.8	167.7													
33+76 -L-	LT	0505		173.3	168.3														
		0505	0506		168.3	168.2													
33+76 -L-	RT	0506		173.3	168.2														
37+50 -L-	LT	0601		172.4	170.4														
		0601	0602		170.4	170.4													
37+50 -L-	RT	0602		172.4	170.4														
		0602	0604		170.4	170.1													
38+50 -L-	LT	0603		172.4	170.1														
		0603	0604		170.1	170.1													
SHEET TOTALS									144										

| STATION | WELDED STEEL PIPE SIZE / THICKNESS OR GAUGE | | | | | | | | R.C. PIPE CLASS III | | | | | | | | R.C. PIPE CLASS IV | | | | | | | | ** * R.C. PIPE (CLASS V) | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS | | QUANTITIES FOR DRAINAGE STRUCTURES *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 | | | CONCRETE TRANSITIONAL SECTION | | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME WITH TWO GRATES STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR 840.26 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. TYPE "D" STD. 840.19 OR 840.28 | G.D.I. FRAME WITH GRATE STD. 840.20 | G.D.I. FRAME WITH TWO GRATES STD. 840.20 | 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 | FRAME w/ COVER, STD. 840.54 | ADJUST D.I. | CONV. EXIST DI TO I.J.B. | T.B.D.I. STD. 840.35 | G.D.I. (N.S.) FRAME WITH GRATE STD. 840.29 | T.B.J.B. STD. 840.34 | FLOWABLE FILL (C.Y.) | G.D.I. TYPE "A" EXTRA DEPTH (SEE DETAIL SHEET 2C-16) | DRAINAGE PIPE ELBOWS NO. & SIZE | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | PIPE REMOVAL LIN. FT. | REMARKS |
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