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COMPUTED BY: MSP DATE: 6/30/2017

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PROJECT NO.	SHEET NO.
U-4751	3D-16

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.
See "Standard Specifications For Roads and Structures, Section 300-5".

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

Column headings (columns with no entries on this sheet): STRUCTURE NUMBER (FROM, TO); TOP ELEVATION FT.; INVERT ELEVATION FT.; INVERT ELEVATION FT.; MINIMUM REQUIRED SLOPE %; SIZE / THICKNESS OR GAUGE; Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12, 15, 18, 24, 30, 36, DO NOT USE CSP, DO NOT USE HDPE, DO NOT USE PVC; CAAP 12, 15, 18 (.064, .064, .064); R. C. PIPE CLASS III 12, 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 12, 15, 18, 24, 30, 36, 42, 48; ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY; REINFORCED ENDWALLS CY; DRAINAGE STRUCTURE MASONRY CY; QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH, A 5' THRU 10' LIN. FT., B 10' AND ABOVE LIN. FT.; C.B. STD. 840.01 OR STD. 840.02; FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E, F, G; CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06, C.B. STD. 852.05; OPEN THROAT C.B. STD. 840.04 OR STD. 840.05; Pipe Clean Out; D.I. STD. 840.14 OR STD. 840.15; D.I. FRAME AND GRATES STD. 840.16; G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26; G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27; G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28; G.D.I. (W.S. FLAT) FRAME W/ GRATE STD. 840.20; G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20; G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22; G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22; G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24; G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24; G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29; J.B. STD. 840.31 OR STD. 840.32; T.B.J.B. STD. 840.34; T.B.D.I. STD. 840.35; M.H. STD. 840.51, STD. 840.52, OR STD. 840.53; M.H. FRAME AND COVER STD. 840.54; SPECIAL TBJB W/MH; ADJUST C.B.; ADJUST D.I.; 15" CAAP ELBOW; 18" CAAP ELBOW; 8" SLUICE GATE; MODIFIED CONC. FLUME; FLOWABLE FILL CY; CONCRETE COLLARS CL. "B" STD. 840.72 CY; CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY.

LINE & STATION	OFFSET		PIPE REMOVAL LIN. FT.	REMARKS
Y1 41+32	38	RT	9	
Y1 41+59	43	RT	50	
Y1 41+82	47	RT	9	
Y1 43+84	46	RT	56	
Y1 44+58	41	RT	82	
Y1 45+13	55	RT	39	
Y1 45+28	82	RT	36	
Y1 45+25	26	RT	74	
Y1 45+33	20	LT	39	
Y1 46+99	27	RT	30	
Y1 47+02	50	RT	14	
Y1 47+54	48	RT	106	
Y1 51+58	35	RT	27	
Y1 51+30	65	RT	67	
Y1 64+97	37	LT	73	
Y1 65+36	40	LT	4	
Y1 66+49	37	LT	262	
Y1 70+15	40	LT	110	
Y1 70+77	56	LT	19	
Y1 70+47	0	CL	109	
Y1 71+24	43	LT	104	
Y1 72+43	43	LT	137	
Y1 64+74	64	RT	12	
Y1 64+95	67	RT	28	
Y1 65+23	70	RT	32	
Y1 66+04	39	RT	100	
Y1 66+62	39	RT	11	
Y1 67+07	39	RT	86	
Y1 73+21	38	RT	35	
Y1 81+68	37	LT	48	
Y1 84+62	38	LT	40	
Y 21+17	54	RT	49	
Y 20+48	43	RT	232	
Y 19+87	48	RT	7	
Y 19+03	47	RT	5	
Y 18+59	19	RT	49	
Y 18+01	38	RT	115	
Y 17+69	58	RT	48	
Y 17+55	33	RT	30	
Y 17+36	43	RT	24	
Y 11+34	24	RT	11	
Y1RPB 29+57	137	RT	211	
Y1RPB 28+78	157	RT	20	
Y1RPB 29+92	52	LT	41	
Y1RPB 20+62	56	LT	38	
SR1 15+00	0	CL	134	
Y16 11+53	0	CL	44	
Y16 11+21	9	LT	62	
Y16 11+40	55	LT	90	
Y16 10+92	29	LT	18	
SHEET TOTALS			3076	

ABBREVIATIONS

- C.A.A. CORRUGATED ALUMINIUM ALLOY
- C.B. CATCH BASIN
- C.S. CORRUGATED STEEL
- D.I. DROP INLET
- G.D.I. GRATED DROP INLET
- H.D.P.E. HIGH DENSITY POLYETHYLENE
- J.B. JUNCTION BOX
- M.H. MANHOLE
- N.S. NARROW SLOT
- P.V.C. POLYVINYL CHLORIDE
- R.C. REINFORCED CONCRETE
- T.B.D.I. TRAFFIC BEARING DROP INLET
- T.B.J.B. TRAFFIC BEARING JUNCTION BOX
- W.S. WIDE SLOT