RD261587

COMPUTED BY:	Stephen Sykes	DATE:	03-13-2014
CHECKED BY:	C. H. LEE	DATE:	10/13/2014

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
B-5103	3D-1

**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)

NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	QUANTITIES FOR DRAINAGE STRUCTURES A: 0' THRU 5' EACH	B: 5' THRU 10' LIN.FT.	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	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	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/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	ADJUST MANHOLE	ADJUST CB	MIN. DEPTH CONC. CATCH BASIN, SEE SHT. 2C-2	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN.FT.	REMARKS
Y1 10+90	17 LT	0401		44.0														1			1	1																												
		0401	0402		40.5	39.4	1.6		56																																								60	12"TCP
Y1 10+49	24 LT	0402		45.0														1																						1		1								
		0402	0404		39.4	38.9	1.9		24																																									
L 15+25	32 RT	0403		45.9														1										1		1																				
		0403	0402		42.6	40.5			20																																									
L 14+94	12 RT	0404		45.7														1	1.8																					1		1								
L 15+25	32 LT	0405		45.7														1			1		1																											
		0405	0406		42.6	42.5			36																																									
L 14+93	25 LT	0406		45.2																																							1							
Y2 14+73	19 LT	0407		42.4														1																						1		1								
		0407	0408		38.2	38.0	2.4			12																																								
Y2 14+85	18 LT	0408		42.2														1			1	1																												
		0408	0409		38.0	37.4	3.2			36																																							36	15"RCP
Y2 14+85	17 RT	0409		42.1														1			1	1																												
		0409	0410		37.4	37.1	4.3			32																																							8	18"RCP
Y2 14+58	23 RT	0410		43.4														1	1.3																					1		1								
		0410	0413		37.1	35.6	4.5			72																																							80	18"RCP
L 18+43	32 RT	0411		44.8														1										1		1																				
		0411	0410		41.5	39.9			32																																									
L 18+43	32 LT	0412		44.5														1			1			1																										
		0412	0413		41.5	40.2			28																																									
L 18+79	31 LT	0413		43.5														1	2.9																					1		1								
Y1 10+89	16 RT	0416		43.3														1				1																							1					
		0416	0401		41.4	40.5	0.4		32																																									
L 19+46	32 LT	0417																																										1						
L 19+50	32 RT	0418																																										1						
PER DIVISION AT CFI																																											5							
SHEET TOTALS									228	152								13	6.0		5	4	1	1				2		2										5		5	6	2	1				184	
PROJECT TOTALS									228	152								13	6.0		5	4	1	1				2		2										5		5	6	2	1				184	

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINUM 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