GREG032012-PC

COMPUTED BY: MQCN DATE: 06/19/2017

CHECKED BY: ATN DATE: 5/25/2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W5601EV	3D-3

**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)

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 %	Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	15	18	24	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	R. C. PIPE CLASS III 12	15	18	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	R. C. PIPE CLASS V 12	15	18	24	30	36
			0914	0915		56.4	53.4															128											
L 87+70	5	LT	0915		58.6																												
Y8 13+62	2	LT	1001		58.0																												
			1001	1017		54.8	53.6			44																							
Y8 11+60	6	LT	1002		54.7																												
			1002	1003		51.5	50.4			40																							
Y8 12+01	9	LT	1003		54.7																												
L 102+00	17	RT	1007		59.5																												
			1007	1013		56.3	55.8															56											
L 101+00	17	RT	1008		59.8																												
			1008	1009		56.6	55.6															36											
L 101+07	18	LT	1009		59.8																												
			1009	1016		55.6	55.4															76											
L 98+50	1	LT	1011		61.0																												
			1011	1012		57.8	56.7															148											
L 100+00	0	CL	1012		59.9																												
			1012	1016		56.7	55.4												36														
L 101+51	7	LT	1013		59.6																												
			1013	1009		55.8	55.6															44											
L 100+31	19	LT	1016		60.0																												
Y8SPA 12+00	15	LT	1017		56.6																												
			1017	1003		53.6	50.4			144																							
L 104+25	80	LT																															
L 103+00	16	RT	1006		59.4																												
			1006	1005	56.2	55.7																96											
L 103+96	16	RT	1005		58.9																												
			1005	1010		55.7	54.5															24											
L 104+00	9	LT	1010		57.5																												
			1010	1106		54.5	52.4			328																							
L 110+89	17	LT	1103		54.2																												
L 110+93	2	LT	1104		56.7																												
			1104	1103		54.2	54.2			16																							
L 107+30	8	LT	1106		55.7																												
L 120+50	3	LT	1201			57.4																											
			1201	1202		57.4	57.2															80											
L 121+26	7	RT	1202		60.9																												
			1202	1203		57.2	57.0			48																							
L 121+74	9	RT	1203		59.3																												
			1203	1204		57.0	56.9															12											
L 121+74	3	LT	1204		56.9																												
L 142+50	6	LT	1301		57.2																												
			1301	1302		54.2	53.4			52																							
L 141+99	6	LT	1302		58.0																												
L 133+94	1	LT	1304		57.9																												
			1304	1305		54.7	54.6															40											
L 133+55	17	RT	1305		57.9																												
			1305	1306		54.6	54.5															36											
L 133+29	7	LT	1306		57.9																												
			1306	1307		54.5	54.2												140														
L 131+86	6	LT	1307		56.4																												
SHEET TOTALS										672									176			776											

LINE & STATION	FROM	TO	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	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. 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 WITH 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/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29
	0914	0915																												
L 87+70	0915					1	0.2							1				1	1											
Y8 13+62	1001					1			1		1																			
	1001	1017																												
Y8 11+60	1002					1								1				1	1											
	1002	1003																												
Y8 12+01	1003					1																								
L 102+00	1007					1								1				1	1											
	1007	1013																												
L 101+00	1008					1								1				1	1											
	1008	1009																												
L 101+07	1009					1								1				1	1											
	1009	1016																												
L 98+50	1011					1								1				1	1											
	1011	1012																												
L 100+00	1012					1								1				1	1											
	1012	1016																												
L 101+51	1013					1								1				1	1											
	1013	1009																												
L 100+31	1016					1								1				1	1											
Y8SPA 12+00	1017					1			1			1																		
	1017	1003																												
L 104+25																														
L 103+00	1006					1								1				1	1											
	1006	1005																												
L 103+96	1005					1								1				1	1											
	1005	1010																												
L 104+00	1010					1															1					1				
	1010	1106																												
L 110+89	1103																													
L 110+93	1104					1																1				1				
	1104	1103																												
L 107+30	1106					1																1				1				
L 120+50	1201																													
	1201	1202																												
L 121+26	1202					1								1				1	1											
	1202	1203																												
L 121+74	1203					1																1				1				
	1203	1204																												
L 121+74	1204																													
L 142+50	1301					1															1					1				
	1301	1302																												
L 141+99	1302					1																								
L 133+94	1304					1								1				1	1											
	1304	1305																												
L 133+55	1305					1								1				1	1											
	1305	1306																												
L 133+29	1306					1								1				1	1											
	1306	1307																												
L 131+86	1307																					1				1				
SHEET TOTALS						24	0.2		2		1	1		15				15	15		2	4				6				

LINE & STATION	FROM	TO	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	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TEMP STEEL PLATE COVER MASONRY DRAINAGE	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	ADJUST MH		MODIFIED CONC. FLUME	PREFORMED SCOUR HOLE (PER EACH)	ENERGY DISSIPATION BASIN		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
	0914	0915																												
L 87+70	0915																													TIE TO EXISTING PIPE
Y8 13+62	1001																													
	1001	1017																												
Y8 11+60	1002																													
	1002	1003																												
Y8 12+01	1003						1						1																	
L 102+00	1007																													
	1007	1013																												
L 101+00	1008																													
	1008	1009																												
L 101+07	1009																													
	1009	1016																												
L 98+50	1011																													
	1011	1012																												
L 100+00	1012																													
	1012	1016																											13	
L 101+51	1013																													
	1013	1009																												
L 100+31	1016																													
Y8SPA 12+00	1017																													
	1017	1003																												
L 104+25																													45	
L 103+00	1006																													
	1006	1005																												
L 103+96	1005																													
	1005	1010																												
L 104+00	1010																													
	1010	1106																												
L 110+89	1103																										0.3990			
L 110+93	1104																													
	1104	1103																											17	
L 107+30	1106																													
L 120+50	1201																													OEP
	1201	1202																												
L 121+26	1202																													
	1202	1203																											101	
L 121+74	1203																													
	1203	1204																												
L 121+74	1204																										0.3990			
L 142+50	1301																													
	1301	1302																											10	
L 141+99	1302				1								1																	
L 133+94	1304																													
	1304	1305																												
L 133+55	1305																													
	1305	1306																												
L 133+29	1306																													
	1306	1307																												
L 131+86	1307															1														
SHEET TOTALS					1		1						2				1										0.7980		186	

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