2MQ6010FQ2

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3422B	3D-6

**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	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %
L 162+50	8	RT	1428		172.9			
			1428	1427		169.9	169.8	
L 170+95	49	RT	1502		166.5			
			1502	1517		160.6	160.4	
L 172+00	49	RT	1503		166.8			
			1503	1502		163.8	162.3	
L 172+77	63	RT	1504		167.5			
			1504	1503		164.5	163.8	
L 173+06	37	LT	1505		167.9			
			1505	1525		164.6	163.5	
L 173+06	4	LT	1506		168.9			
			1506	1505		164.9	164.6	
L 173+53	8	RT	1507		169.2			
			1507	1506		165.1	164.9	
L 173+55	41	RT	1508		168.6			
			1508	1507		165.2	165.1	
L 174+00	37	RT	1509		168.6			
			1509	1508		165.6	165.4	
L 175+50	37	LT	1510		169.7			
			1510	1505		166.7	164.9	
L 182+34	51	LT	1511		170.2			
			1511	1516		164.8	164.6	
L 183+14	37	LT	1512		170.1			
			1512	1511		166.3	165.8	
L 182+32	6	RT	1513		171.0			
			1513	1511		165.4	164.8	
L 181+91	37	RT	1514		170.0			
			1514	1528		166.3	165.5	
L 182+91	38	RT	1515		170.5			
			1515	1528		165.8	165.6	
L 170+95	6	LT	1517		167.8			
			1517	1501		160.4	160.3	
L 181+12	37	RT	1518		170.2			
			1518	1514		167.0	166.6	
L 177+57	37	LT	1520		170.8			
			1520	1510		167.8	166.7	
L 182+89	57	RT	1521		169.3			
			1521	1515		167.1	165.8	
L 182+22	61	RT	1522		168.1			
			1522	1528		168.1	166.0	
L 181+12	55	RT	1523		169.3			
			1523	1518		167.1	167.0	
L 176+00	37	RT	1524		170.1			
			1524	1509		167.1	165.6	
L 172+32	80	LT	1525		166.7			
			1525	1527		163.0	162.8	
L 171+92	8	RT	1526		168.0			
			1526	1527		165.0	163.6	
L 171+89	63	LT	1527		166.9			
			1527	1501		162.8	162.6	

Pipes (SIZE / THICKNESS OR GAUGE):

FROM	TO	Side Drain Pipe (RCP, CSP, CAAP, HDPE, PVC, or PP PIPE) 12	15	18	24	30	36	42	48	DO NOT USE PP PIPE	C. S. PIPE 12 .064	15 .064	18 .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
1428	1427																						24						
1502	1517																										52		
1503	1502																						104						
1504	1503																						80						
1505	1525																							84					
1506	1505																							32					
1507	1506																							48					
1508	1507																							32					
1509	1508																						44						
1510	1505																						244						
1511	1516																										68		
1512	1511																								80				
1513	1511																										56		
1514	1528																							32					
1515	1528																									68			
1517	1501																										28		
1518	1514																						76						
1520	1510																						204						
1521	1515																						20						
1522	1528																								24				
1523	1518																						20						
1524	1509																						200						
1525	1527																								44				
1526	1527																						68						
1527	1501																								96				
SHEET TOTALS																							1084	228	244	68	204		

Drainage structures:

STRUCTURE NO.	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
1428				1							1				1	1
1502				1	0.9		1	1								
1503				1			1			1						
1504				1			1			1						
1505				1			1		1							
1506				1							1				1	1
1507				1							1				1	1
1508				1			1	1								
1509				1			1			1						
1510				1			1		1							
1511				1	0.4		1	1								
1512				1			1		1							
1513				1	0.6						1					
1514				1			1		1							
1515				1			1			1						
1517				1	2.4						1					
1518				1			1		1							
1520				1			1		1							
1521				1											1	1
1522																
1523				1											1	1
1524				1			1			1						
1525				1			1	1								
1526				1							1				1	1
1527				1			1			1						
SHEET TOTALS				24	4.3		16	4	6	6	6				6	6

STRUCTURE NO.	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) FR. W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FR. W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FR. W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FR. 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	ANG. VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	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 M.H.	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONC. AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
1502																												96	Pipe Removal for all of Sheet 15
1513											1						1												
1517											1						1												
SHEET TOTALS											2						2											96	

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