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COMPUTED BY: RCH DATE: 10/22/2014

CHECKED BY: JGD DATE: 10/22/2014

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5206AG	3D-2

7Q60BT1

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	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE 6"	12"	15"	18"	24"	30"	36"	42"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE THICKNESS OR GAUGE	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	.064	.064	.064	.064	.079	.079	.109	.109	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"
L 26+95	RT	423		184.80																																															
		423	406		180.83	180.63																														92																
L 27+41	RT	425		184.12																																															
		425	423		181.02	180.83																														64																
L 27+91	RT	424		184.16																																															
		424	425		181.16	181.02																																						48								
L 26+91	RT	426		184.61																																															
		426	425		182.11	181.60																																														
L 26+73	RT	427		185.11																																															
		427	426		182.62	182.21																																														
L 27+06	RT	428		185.12																																															
		428	426		182.62	182.21																																														
L 26+05	RT																																																			
L 28+56	RT																																																		
L 28+56	RT																																																		
L 29+07	RT																																																		
L 29+07	RT																																																		
L 29+07	RT																																																		
L 30+07	RT																																																		
L 26+09	LT																																																		
L 26+09	LT																																																		
L 26+07	LT																																																		
L 26+05	LT																																																		
SHEET TOTALS																																		156								48								
SHEET 3D-1 TOTALS																																		1216								68								
PROJECT TOTALS																																		1372								116								

STATION	*** R.C. PIPE (CLASS V)	**** RC PIPE CULVERTS, CONTRACTOR DESIGN	***** RC PIPE CULVERTS, CONTRACTOR DESIGN	15" WELDED STEEL PIPE, 0.500" THK., GRADE 'B', IN SOIL (TRENCHLESS INSTALLATION)	15" WELDED STEEL PIPE, 0.500" THK., GRADE 'B', NOT IN SOIL (TRENCHLESS INSTALLATION)	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 OR STD. 838.02 CU. YARDS R.C.P.	ENDWALLS CU. YARDS C.S.P.	QUANTITIES FOR DROP INLET STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	MODIFIED CONCRETE FLUME	FRAME WITH TWO GRATES, STD. 840.16	J.B. STD. 840.31 OR 840.32	G.D.I. TYPE B STD. 840.18 OR 840.27	M.D.I. FRAME WITH TWO GRATES STD. 840.29	ADJUST M.H., EA.	D.I. STD. 840.14 OR STD. 840.15	M.H. STD. 840.52	M.H. FRAME AND COVER STD. 840.54	DRAINAGE PIPE ELBOWS NO. & SIZE	FLOWABLE FILL C.Y.	CORR. STEEL 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
L 26+95								1			1			1																																					
L 27+41								1			1	1																																						
L 27+91								1			1	1																																						
L 26+91																																																		
L 26+73																																																		
L 27+06																																																		
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L 26+07																																																		
L 26+05																																																		
SHEET TOTALS								3			3	2		1																																			
SHEET 3D-1 TOTALS				624	208			17	10.73	15.31	4	2	1	1		2		9		2	1	9	2	2																							
PROJECT TOTALS				624	208			20	10.73	15.31	7	4	1	2		2		9		2	1	9	2	2																							
									30.73																																								
									SAY 32																																									

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I.(N.S.)	(NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX