COMPUTED BY: Eleni Riggs DATE: 12 /4 /17
CHECKED BY: Corey Cavalier DATE: 12 /4 /17

5/9/06

950290	PROJECT REFERENCE NO.	SHEET NO.
	17BP.4.R.89	3D-1

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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

STATION (SIZE / THICKNESS OR GAUGE)	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	C.S.P. 12" .064	C.S.P. 15" .064	C.S.P. 18" .064	C.S.P. 24" .064	C.S.P. 30" .079	C.S.P. 36" .079	C.S.P. 42" .109	C.S.P. 48" .109
SHEET 4															
-L- 14+45.00	LT	0401		96.09											
-L- 14+45.00	LT	0401	0402		92.92	90.04				20					
-L- 14+45.00	RT	0403		96.09											
-L- 14+45.00	RT	0403	0404		92.92	92.48									

STATION	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"
SHEET 4														
-L- 14+45.00														
-L- 14+45.00														
-L- 14+45.00														
-L- 14+45.00			16											

STATION	PIPE AS NOTED 18" Side Drain	15" Side Drain	15" Alternate	24" RCP-IV	24" RCP-V	36" RCP-V	48" RCP-V	48" RCP-CD	18" RCP-V	30" RCP-V	30" RCP-CD		ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02
SHEET 4																		
-L- 14+45.00															1			
-L- 14+45.00																		
-L- 14+45.00															1			
-L- 14+45.00																		

STATION	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. FRAME WITH TWO FLAT GRATES STD. 840.20	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S.) FR. WITH TWO FLAT GRATES. STD. 840.29	J.B. STD. 840.31 OR 840.32	TBJB STD. 840.34	T.B.D.I. STD. 840.35	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	3GI	ADJUST DI	CONV DI TO JBMH	BERM DRAINAGE OUTLET	CLASS B RIPRAP TONS	GEOTEXTILE FABRIC SY	DRAINAGE PIPE 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
SHEET 4																														
-L- 14+45.00														1			1													
-L- 14+45.00																								3	10	2@18"				
-L- 14+45.00														1			1													
-L- 14+45.00																								2	7					

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

PLANS PREPARED BY :

RK&K

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