6/21/00

COMPUTED BY: CLH DATE: 11/1504
CHECKED BY: DJU DATE: 11/1504

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
31339, 37696, 37977	3-A

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

STATION	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	30" .079	36" .079	42" .109	48" .109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. X + (1.3 X COL. B') LIN. *FT. A: 5.0' THRU 10.0'	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. X + (1.3 X COL. B') LIN. *FT. B: 10.0' AND ABOVE	D.I. STD. 840.15	D.I. FRAME & GRATE STD. 840.16	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T. B. J.B. STD. 840.34	MANHOLE FRAME & COVER STD. 840.54	MASONRY CATCH BASIN, STD. 840.01	FRAME W/GRATE & HOOD, STD. 840.03 TYPE F	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
SIZE																																																	
THICKNESS OR GAUGE																																																
37969 (SR 2252)																																																
16+85 -L-	LT								32																																							
17+40 -L-	LT								28																																							
20+00 -L-	LT									112																																						
24+35 -L-	RT									12																																						
24+35 -L-	LT									8																																						
34+75 -L-	LT									116																																						
25+20 -L-	RT									24																																						
TOTAL									60	272																																						

SUMMARY OF EARTHWORK

FOR 37969 (SR 2252)

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
RT OF -L-					
STA.12+00 TO 38+50 -L-	655		395	-0-	260
SUBTOTAL	655		395	-0-	260
LT OF -L-					
STA.12+00 TO 38+50 -L-	824		1128	304	-0-
SUBTOTAL	824		1128	304	-0-
GRANDTOTAL	1479		1523	304	260
LOSS DUE TO C & G	-250			250	
SUBTOTAL	1229		1523	554	260
WASTE TO REPLACE BORROW				-260	-260
5% TO REPLACE TOPSOIL ON BORROW PITT				30	
PROJECT TOTAL	1229		1523	324	-0-
SAY	1250			350	-0-

EST.UNDERCUT 250

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, AND CLEARING AND GRUBBING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "GRADING".

ABBREVIATIONS

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