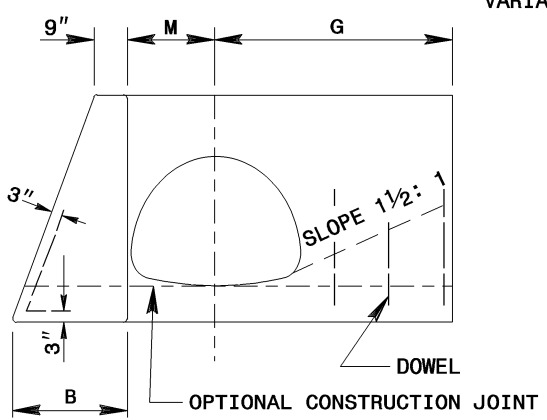
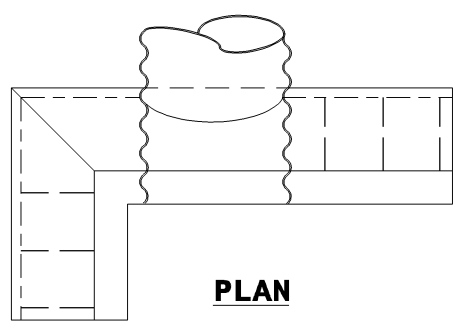
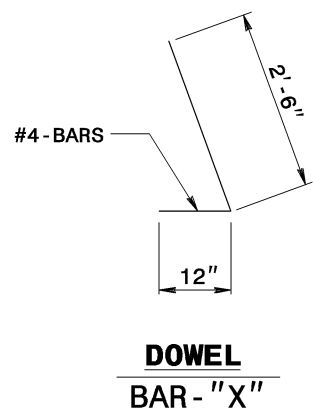
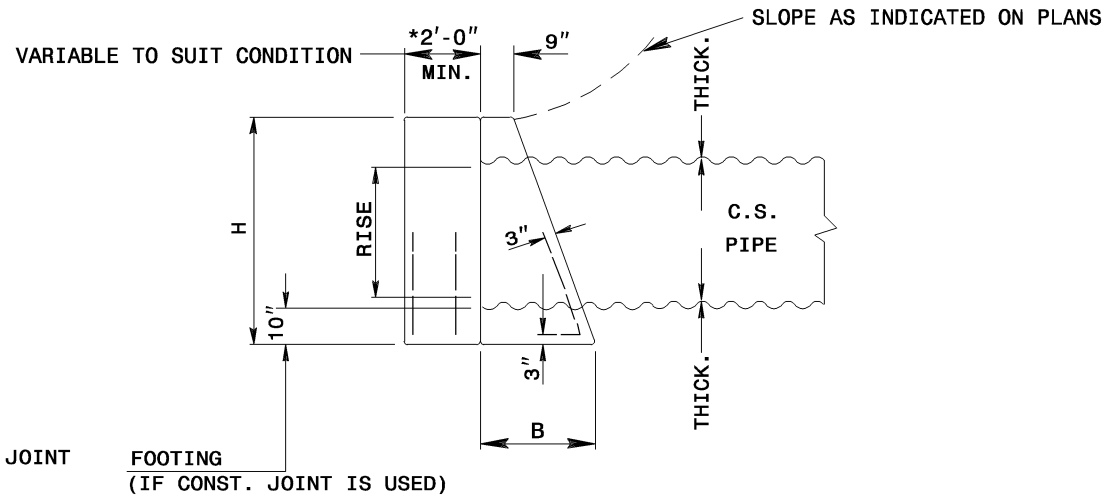


- GENERAL NOTES:
 -CHAMFER ALL CORNERS 1". USE CLASS "B" CONCRETE.
 -PLACE 2 #6 "Y" BARS IN THE TOP OF ALL ENDWALLS FOR PIPE CULVERTS 42" AND OVER WITH A MINIMUM OF 3" COVER AND A LENGTH OF 6" LESS THAN ENDWALL LENGTH.
 -CONSTRUCT BOTTOM SLAB WITH FORMS.
 -WHEN THE CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM OF THE PIPE, PLACE BAR "X" DOWELS IN THE BASE AS SHOWN ON PLANS. SPACE BARS APPROXIMATELY ON 12" CENTERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 -WHEN THE CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM OF THE PIPE AND POUR THE BASE SEPARATELY LEAVE THE POUR ROUGH.
 -DO NOT INTERPRET WALL THICKNESS (T) SHOWN FOR THE THICKNESS ACCEPTABLE, BUT IS USED IN COMPUTING ENDWALL QUANTITIES.



REINFORCING QUANTITIES										
DIA.	18"	22"	25"	29"	36"	43"	50"	58"	65"	72"
BARS	"X"	"X"	"X"	"X"	"X"	"X"	"Y"	"X"	"Y"	"X"
QTY.	5	5	5	6	6	7	7	7	8	8
LBS.	12	12	12	14	14	16	16	16	19	19



DIMENSIONS AND CONCRETE QUANTITIES							
COMMON DIMENSIONS							TOTAL CONC.
SPAN	RISE	THICK	H	B	G	M	YD ³
17"	13"	0.064	2'-9"	1'-5"	2'-7"	1'-0"	0.695
21"	15"	0.064	2'-11"	1'-6"	3'-0"	1'-2"	0.825
24"	18"	0.064	3'-2"	1'-7"	3'-5"	1'-3"	0.984
28"	20"	0.079	3'-4"	1'-8"	3'-9"	1'-5"	1.133
35"	24"	0.079	3'-8"	1'-10"	4'-6"	1'-9"	1.476
42"	29"	0.079	4'-1"	2'-1"	5'-4"	2'-0"	1.990
49"	33"	0.109	4'-5"	2'-3"	6'-0"	2'-4"	2.450
57"	38"	0.109	4'-10"	2'-6"	6'-10"	2'-8"	3.178
64"	43"	0.138	5'-3"	2'-8"	7'-8"	2'-11"	3.902
71"	47"	0.138	5'-7"	2'-10"	8'-4"	3'-3"	4.603

*QUANTITIES BASED ON 2'-0"