CONCRETE

ENDWALL

**ENGLISH** 

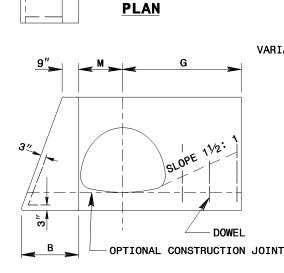
ANDARD

DRAWING

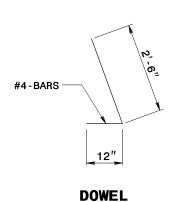
FOR FOR

**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. 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.



SLOPE AS INDICATED ON PLANS \*2'-0" MIN. VARIABLE TO SUIT CONDITION C.S. PIPE THICK **FOOTING** (IF CONST. JOINT IS USED)



BAR - "X"

**ELEVATION** 

## **END ELEVATION**

DIMENSIONS AND CONCRETE QUANTITIES												
COMMON DIMENSIONS												
SPAN	RISE	THICK	Н	В	G	M	YD <sup>3</sup>					
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					

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			

\*QUANTITIES BASED ON 2'-0"

838.06

STANDARD PIPE SINGLE CONCRET ENGLISH

FOR

FOR

DRAWING ENDWALL 1/2" CORRUGATIONS

ARCH 2 2/3" X

PIPE

47"

THRU 71" X

13″  $\times$ 

SHEET 1 OF 1 838.06