

NOTE: CUT TYPICAL CHANNEL REINFORCING @ RCP PENETRATION. FIELD BEND CUT-BARS INTO CONCRETE ENCASUREMENT 1'-3" MIN. MAINTAIN 3" CLR. (MIN.) ON ALL SIDES.

PIPE PENETRATION (PLAN VIEW)
NO SCALE

SKEW ANGLE (DEGREES)	DIMENSION "A" FOR 1.5:1 SIDE SLOPE ** "h"							
	PIPE DIAMETER (INCHES)							
	24	30	36	42	48	54	60	72
0-10	4'-9"	5'-6"	6'-3"	7'-0"	7'-10"	8'-7"	9'-4"	10'-10"
>10-20	4'-11"	5'-8"	6'-5"	7'-3"	8'-1"	8'-11"	9'-8"	11'-3"
>20-30	5'-2"	6'-0"	6'-11"	7'-9"	8'-7"	9'-6"	10'-4"	12'-1"
>30-45	5'-11"	7'-0"	8'-1"	9'-2"	10'-2"	11'-3"	12'-4"	14'-5"

SKEW ANGLE (DEGREES)	DIMENSION "A" FOR 2:1 SIDE SLOPE ** "h"							
	PIPE DIAMETER (INCHES)							
	24	30	36	42	48	54	60	72
0-10	5'-9"	6'-9"	7'-10"	8'-10"	9'-10"	10'-10"	11'-11"	13'-11"
>10-20	5'-11"	7'-0"	8'-1"	9'-2"	10'-3"	11'-3"	12'-4"	14'-6"
>20-30	6'-4"	7'-6"	8'-7"	9'-9"	10'-11"	12'-1"	13'-3"	15'-7"
>30-45	7'-4"	8'-9"	10'-2"	11'-7"	13'-0"	14'-5"	15'-10"	18'-9"

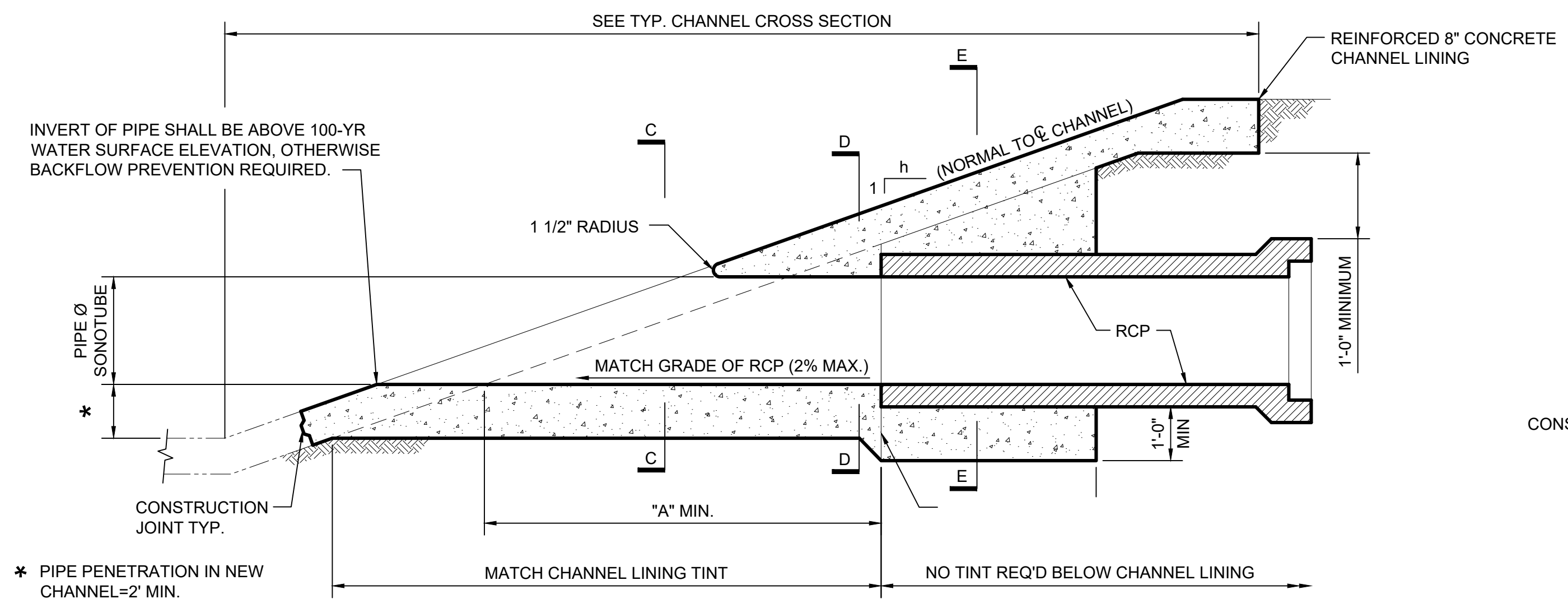
**IDENTIFY WHICH SLOPE, SKEW AND SIZE PIPE WILL BE USED

DIMENSION "B" **							
PIPE DIAMETER (INCHES)							
24	30	36	42	48	54	60	72
10"	11"	1'-1"	1'-2"	1'-3"	1'-4"	1'-6"	1'-8"

GENERAL NOTES:

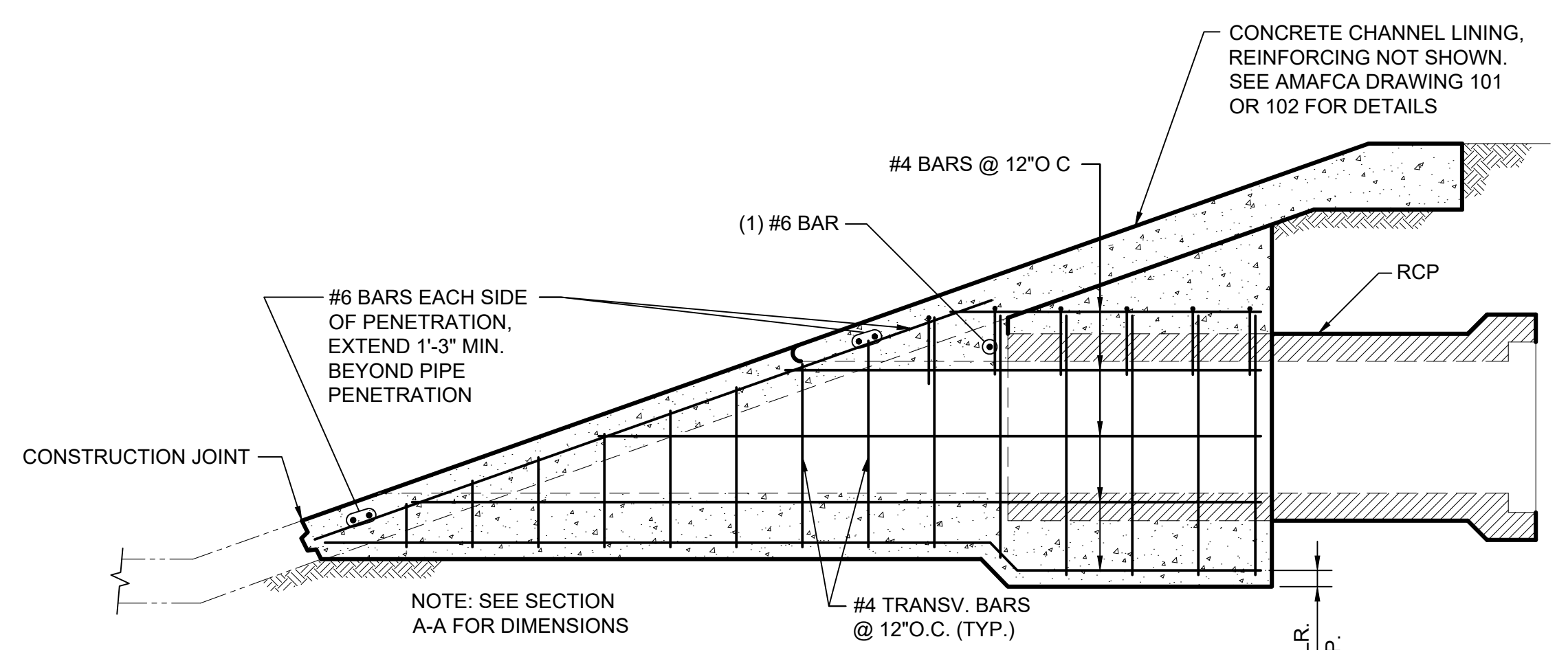
- ALL PIPE PLACED UNDER THE CHANNEL LINING OR WITHIN AMAFCA RIGHT-OF-WAY SHALL BE RCP CLASS IV UNLESS OTHERWISE APPROVED BY AMAFCA. RCP PIPE SHALL NOT BE MITERED TO CHANNEL SLOPE AND MUST BE SKEWED IN THE DOWNSTREAM CHANNEL DIRECTION.
- FOR PIPE PENETRATIONS INTO EXISTING CHANNELS, USE CHANNEL REMOVAL DETAILS FROM AMAFCA DRAWING 198. LIMITS OF REMOVAL SHALL BE APPROVED BY AMAFCA PRIOR TO SAWCUT.
- WHERE LAP SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS OTHERWISE NOTED:

BAR SIZE	LAP SPLICE LENGTH
#4	2'-0"
#5	2'-6"
#6	3'-0"
#7	3'-6"
#8	4'-6"
- INSPECTION OF PIPE PENETRATION REINFORCEMENT REQUIRED PRIOR TO PLACEMENT. MINIMUM 48 HOURS NOTICE REQUIRED TO AMAFCA PROJECT MANAGER

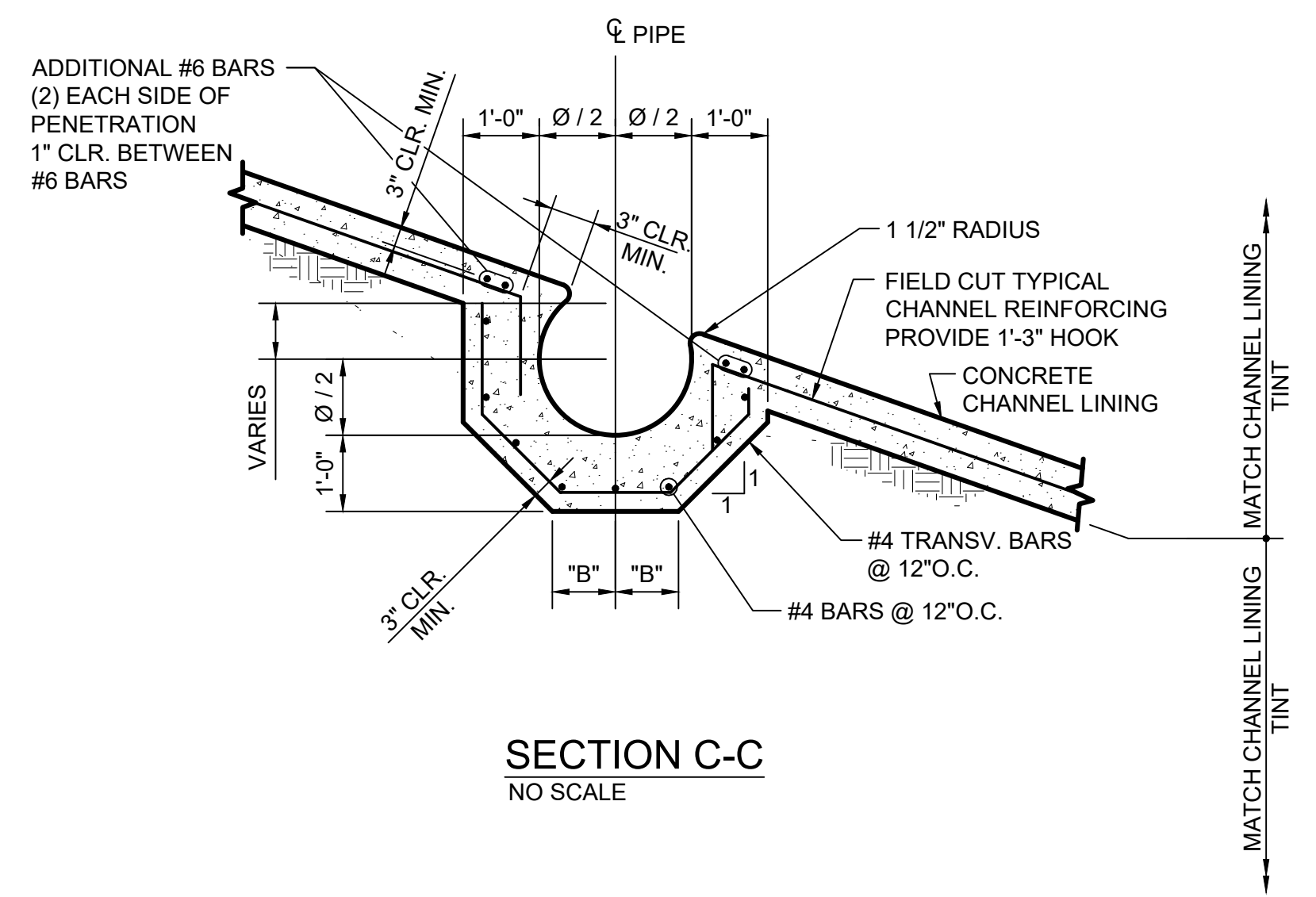


SECTION A-A
NO SCALE

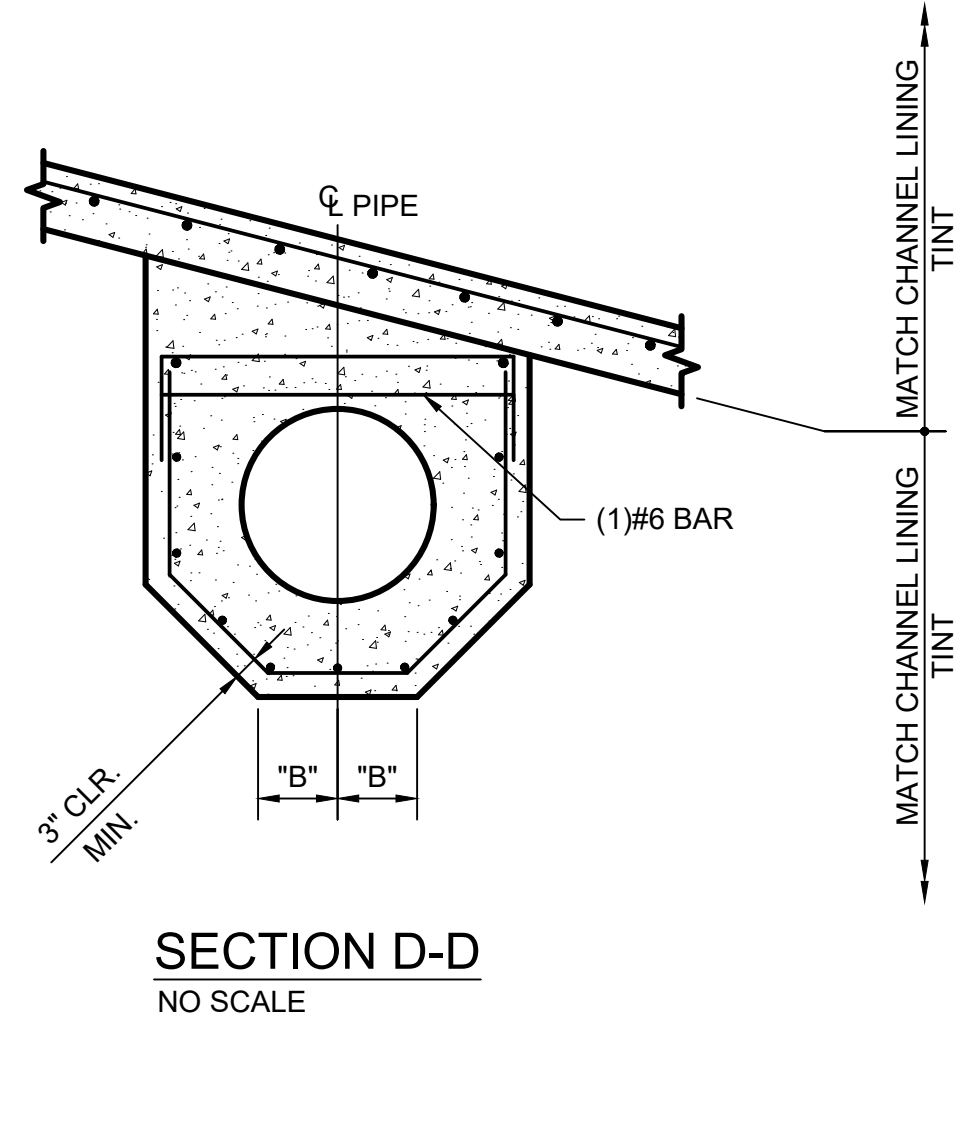
* PIPE PENETRATION IN NEW CHANNEL=2' MIN.
PIPE PENETRATION IN EXIST. CHANNEL=3'-3" MIN.



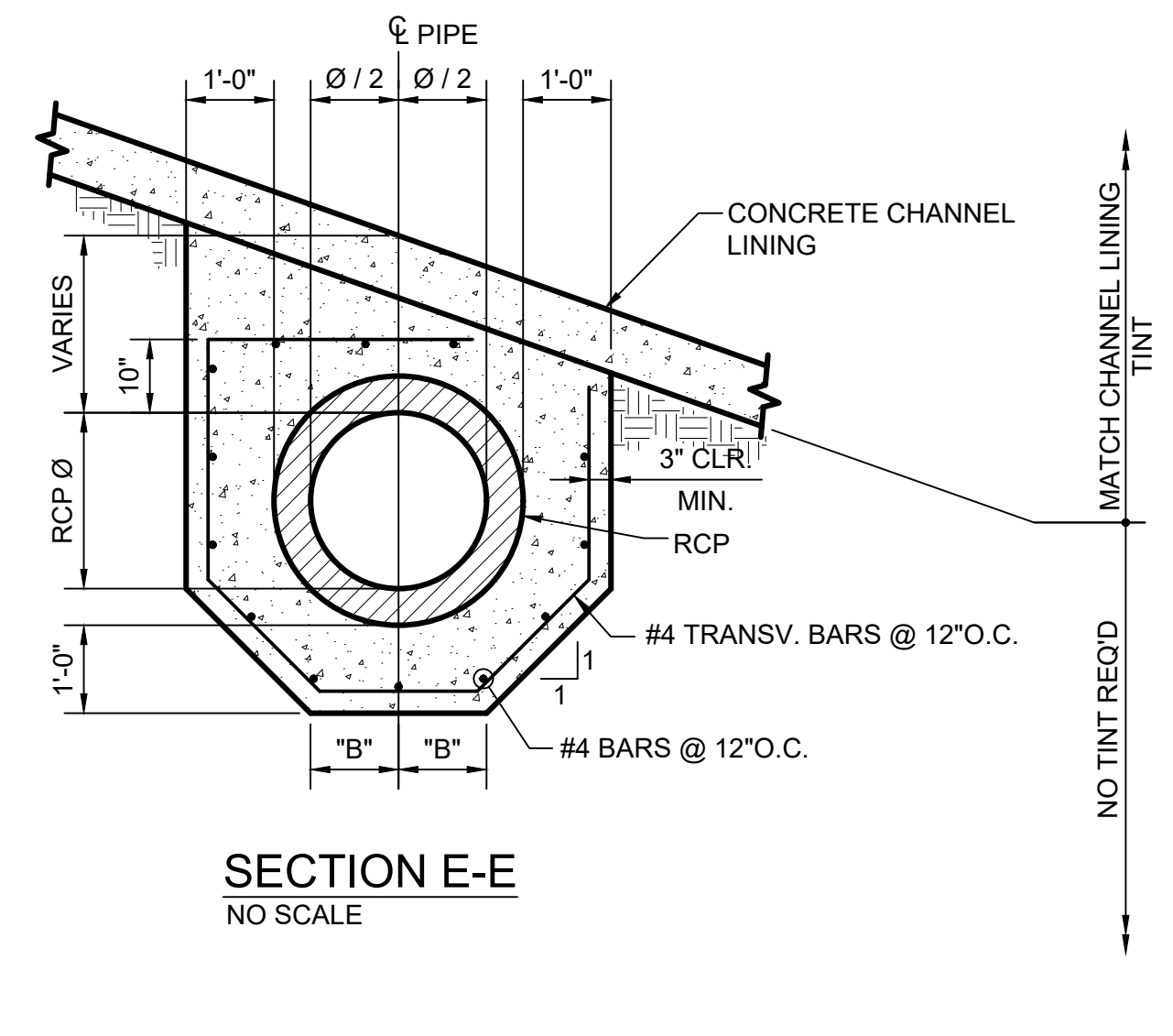
SECTION B-B
NO SCALE



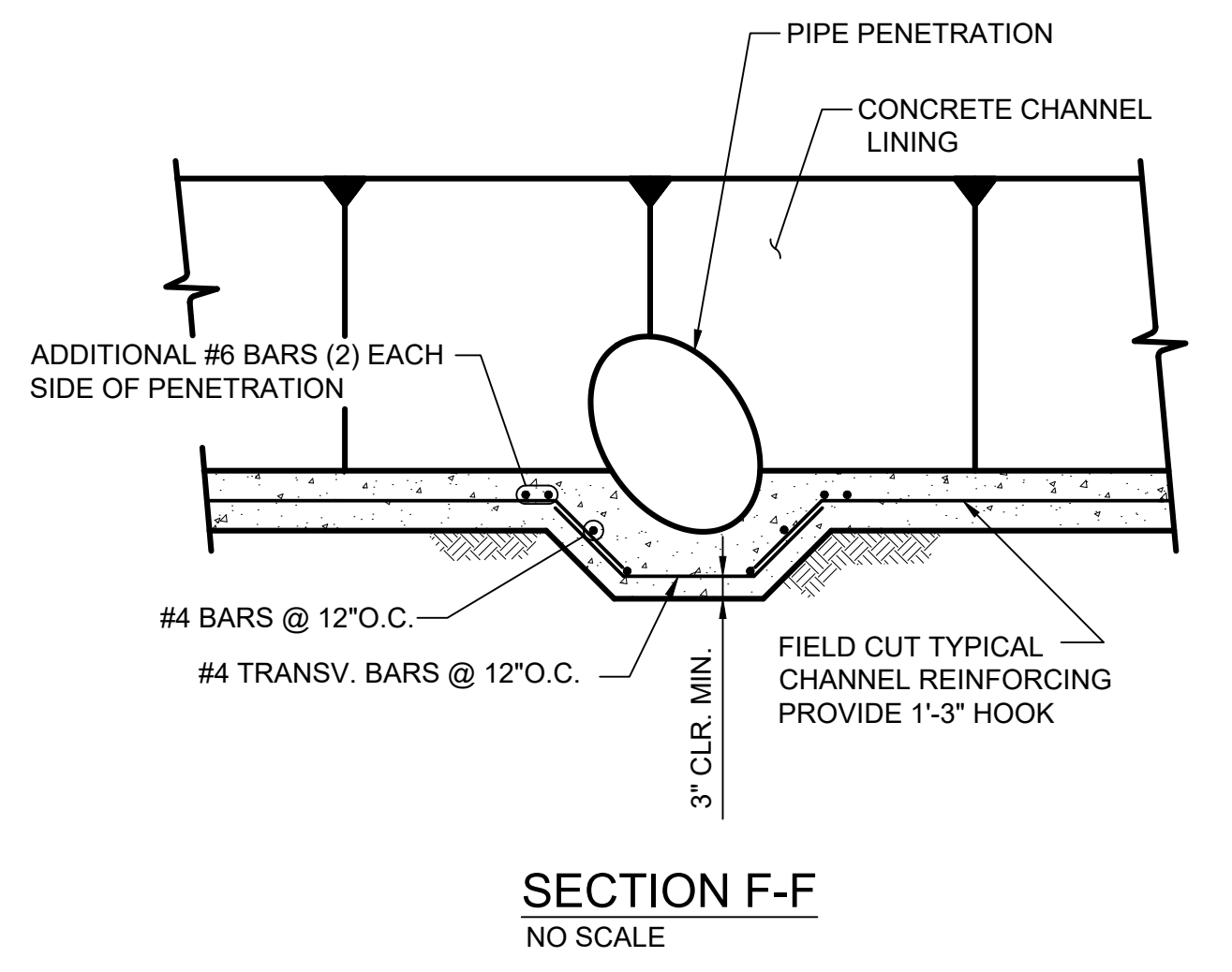
SECTION C-C
NO SCALE



SECTION D-D
NO SCALE



SECTION E-E
NO SCALE



SECTION F-F
NO SCALE