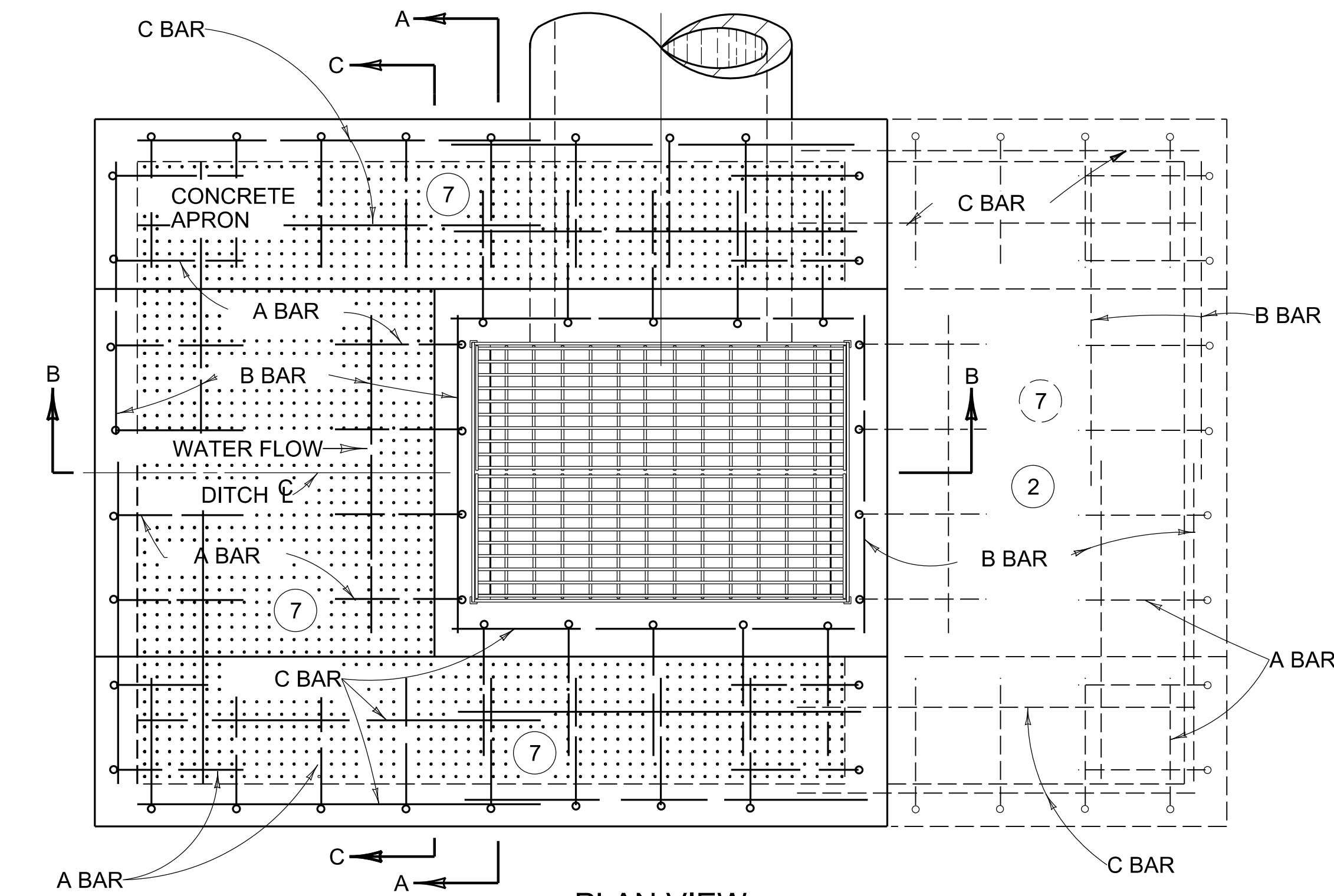
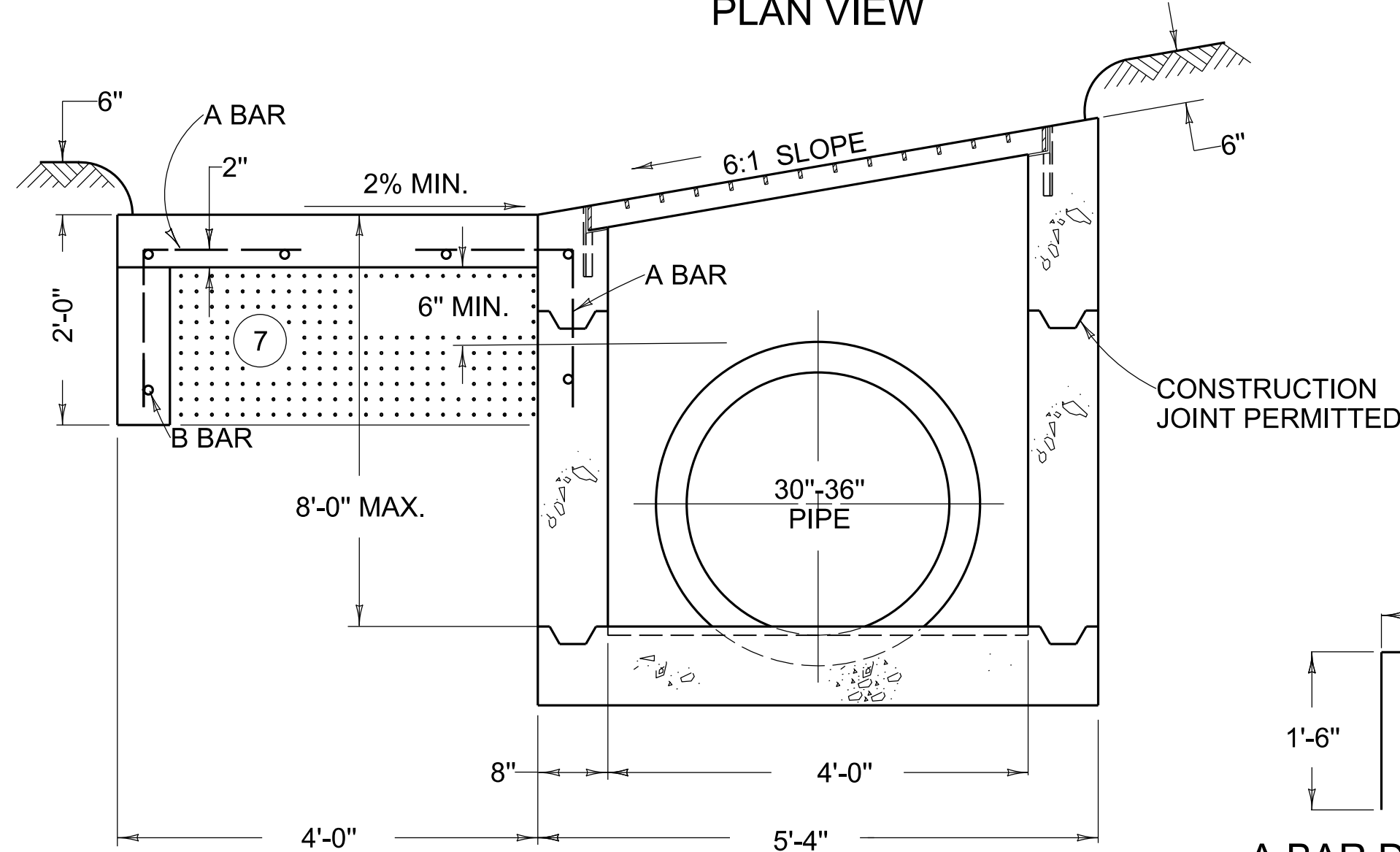


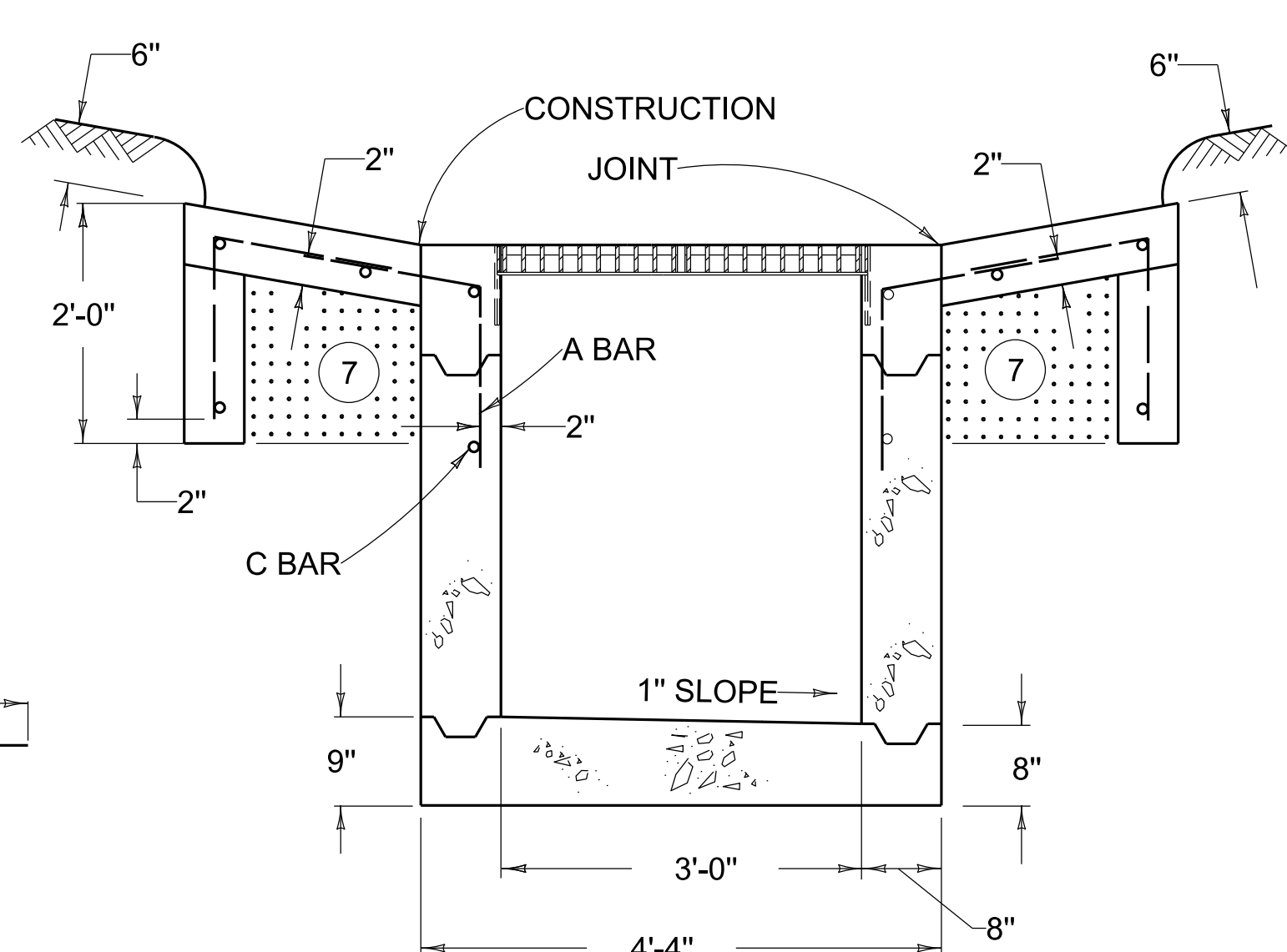


PLAN VIEW

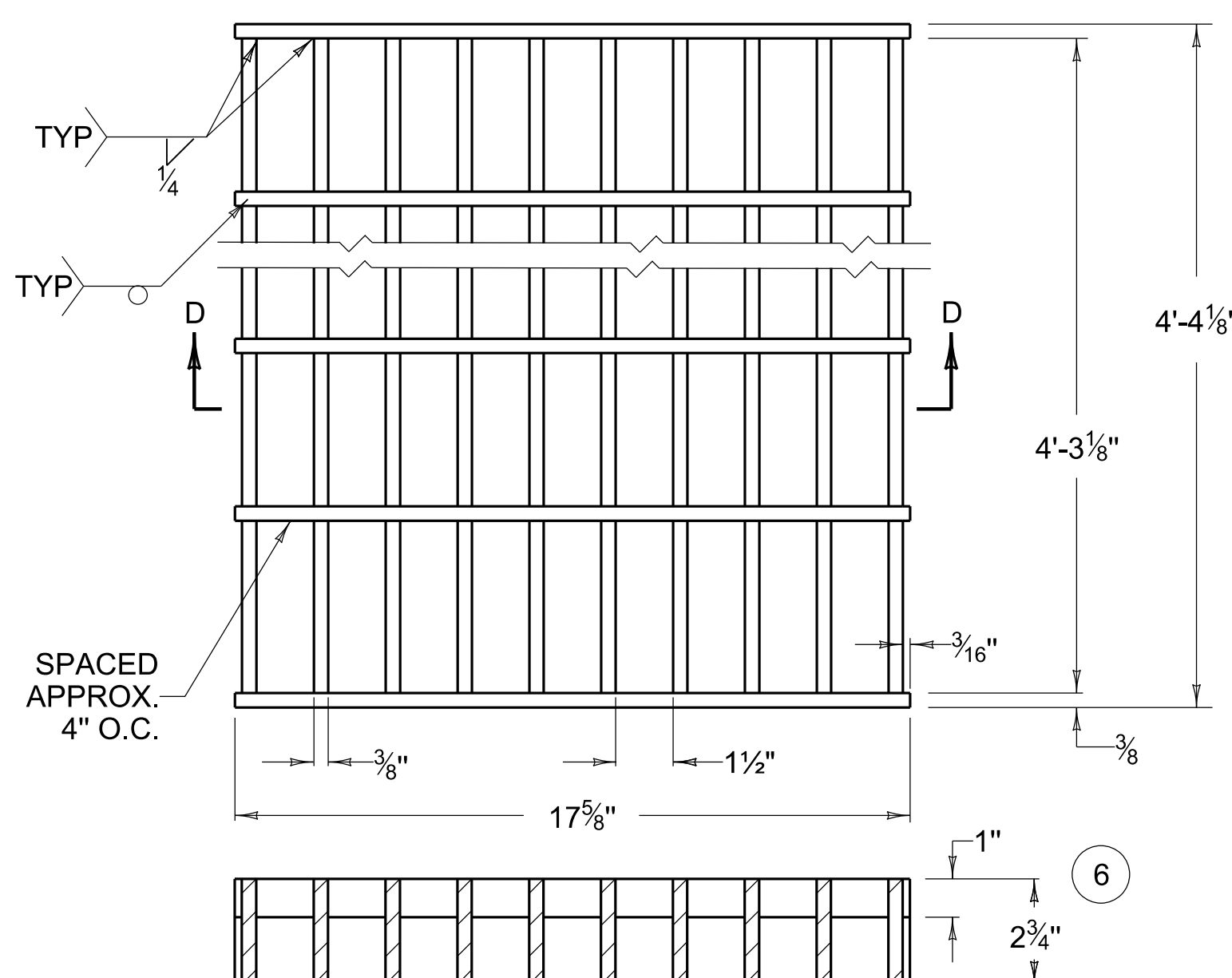


SECTION B-B

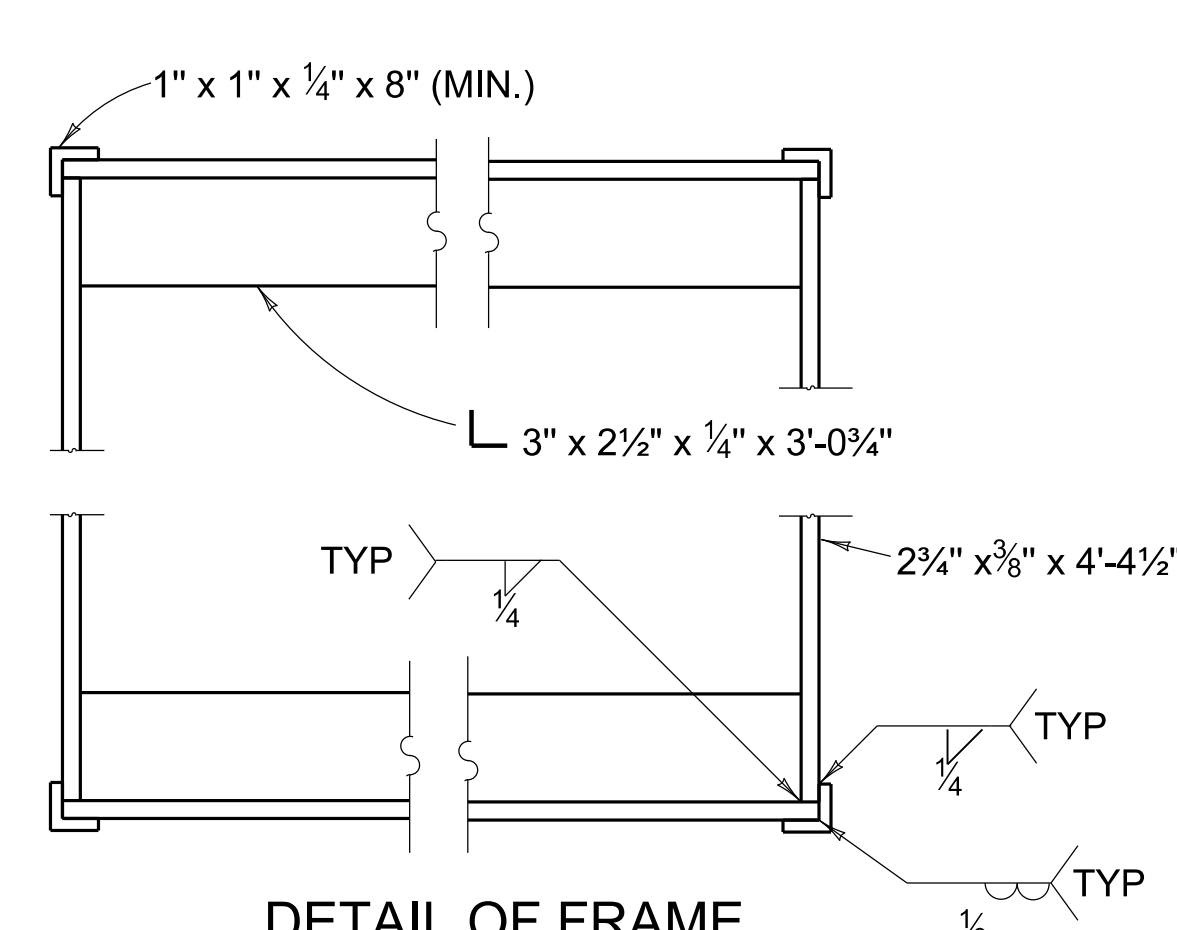
A BAR DETAIL



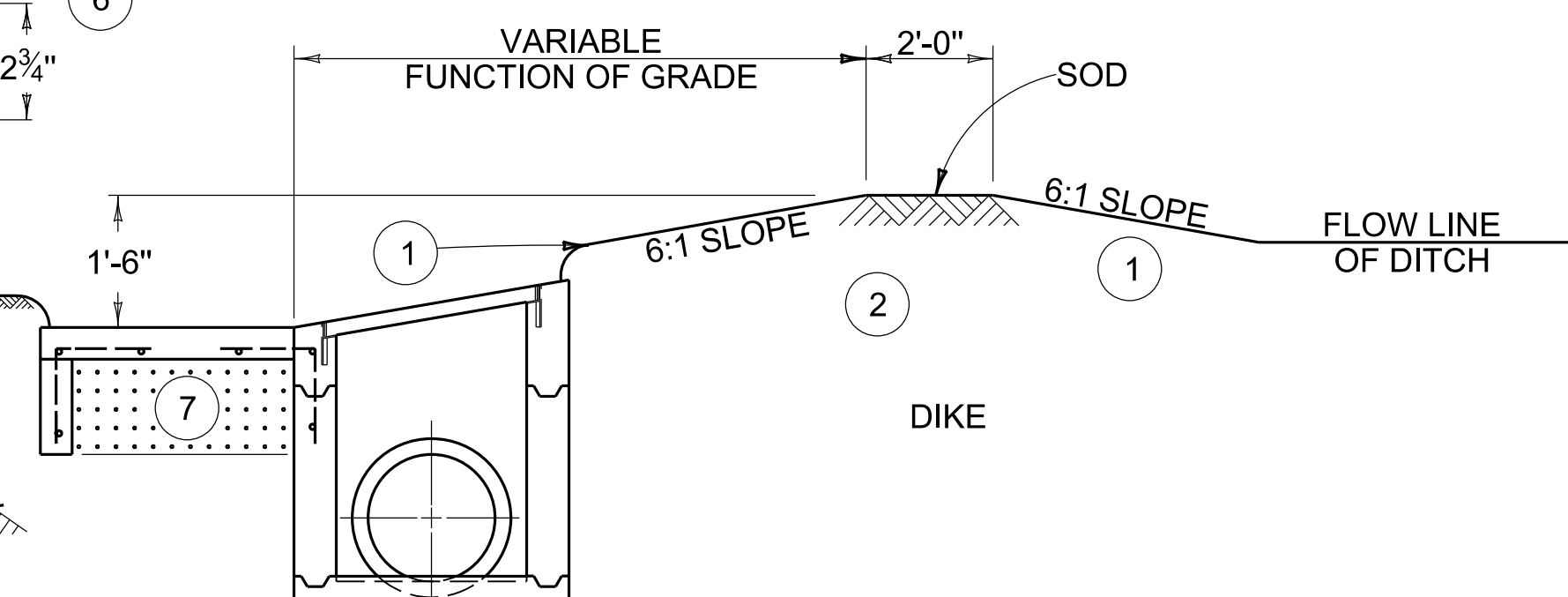
SECTION A-A



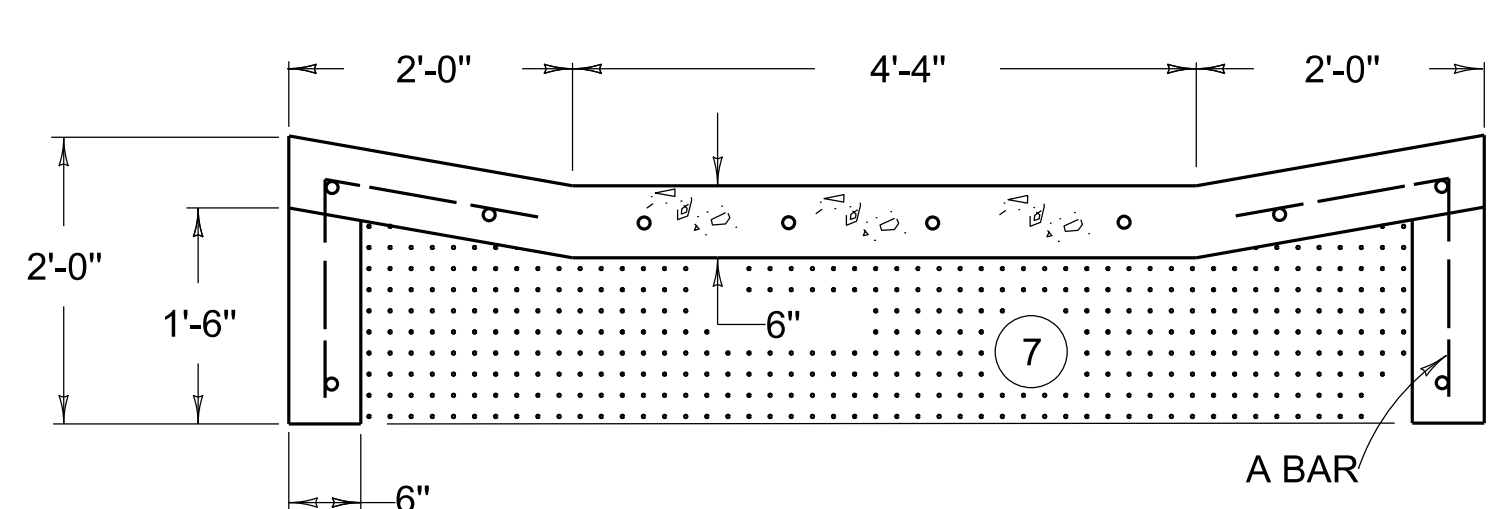
SECTION D-D
DETAIL OF GRATE
(TWO REQUIRED)



DETAIL OF FRAME



SECTION OF DIKE



SECTION C-C

BILL OF REINFORCEMENT				
BAR	NO. OF BARS	SIZE	LENGTH	APPROX. SPACING
A	44 OR 60	#5	3'-0"	1'-0" C TO C
B	9 OR 18	#4	3'-9"	AS SHOWN
C	16 OR 20	#4	4'-9"	AS SHOWN

NOTE: PRIMARY USE (ROADSIDE DITCH LOCATION)

STR. STEEL WTS.		
1 GRATE	TOTAL	FRAME
176 LBS	352 LBS	58 LBS

APPROX. QUANTITIES		
TYPE	CONCRETE 3'-9" BOX	REINF. STEEL
SAG	4.8 CU. YD. (4)	303 LBS
GRADE	3.9 CU. YD. (4)	212 LBS

- ~ NOTES ~**
- BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 4 EACH
- 6:1 SLOPES ARE WITH REFERENCE TO DITCH GRADE.
 - WHEN A BOX INLET IS PLACED IN A SAG, OMIT THE EARTH DIKE AND LONGITUDINAL SLOPE OF THE GRATE, AND PROVIDE A CONCRETE APRON ON EACH SIDE OF THE INLET.
 - RATE OF INCREASE OR DECREASE 0.41 CU. YD. PER F.T IN HEIGHT.
 - DEDUCT APPROX. 0.2 CU. YD OF CONCRETE OR A 30" PIPE AND 0.3 CU. YD. OF CONCRETE FOR A 36" PIPE.
 - RELIANCE STEEL (CAT. NO. H2-12D) AND GARY STEEL (CAT. NO. HW3-D-300) ARE ACCEPTABLE ALTERNATES PROVIDED MATCHED GRATES ARE SUPPLIED.
 - THE 2 3/4" BAR SHALL BE NOTCHED TO RECEIVE THE 1" BAR.
 - COMPACT THIS VOLUME WITH D.G.A. BASE OR GRAVEL BASE AND INCLUDE IN THE UNIT PRICE OF THE BOX.
 - DOWNSTREAM DIKE COMPLETE AND IN PLACE IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE INLET. SODDING IS NOT INCLUDED.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

INLETS

DROP BOX INLET TYPE 4

STANDARD DRAWING NUMBER
RDB-004-10

DRAINAGE

REVISION DATE: 12/01/2015
REVISION NUMBER: 0

SUBMITTED 12-01-2015 DATE
DIVISION DIRECTOR
APPROVED 12-01-2015 DATE
STATE HIGHWAY ENGINEER