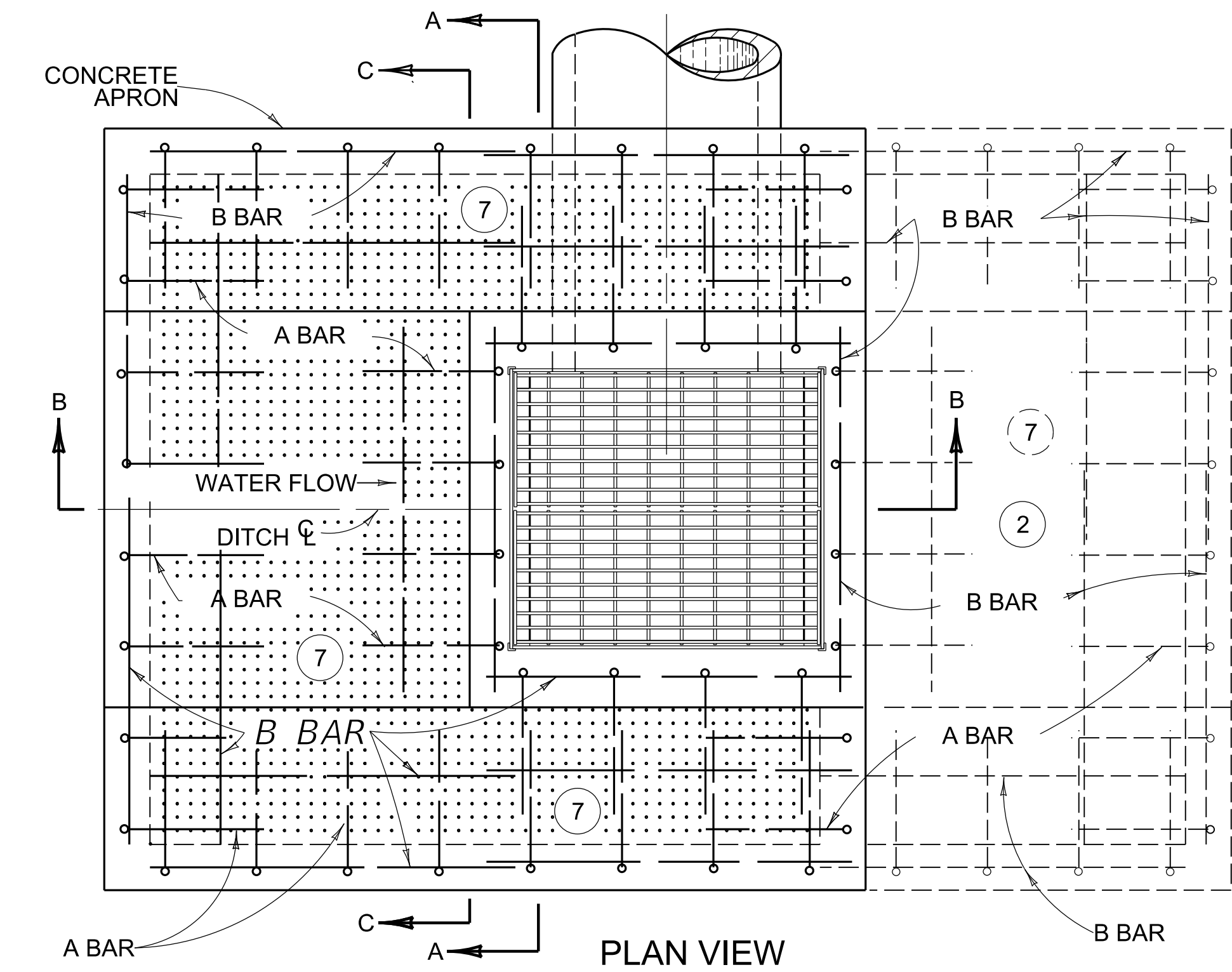
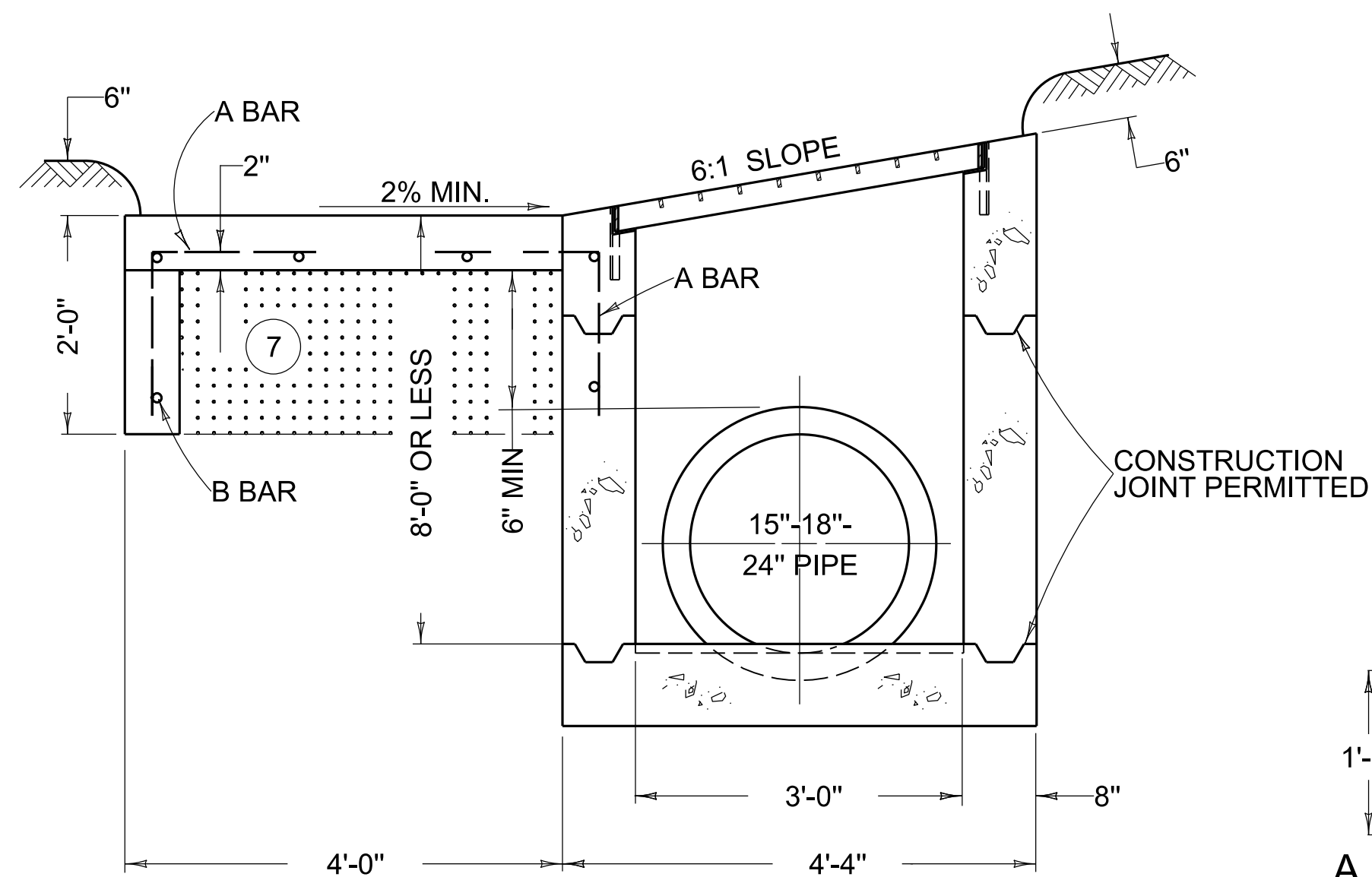
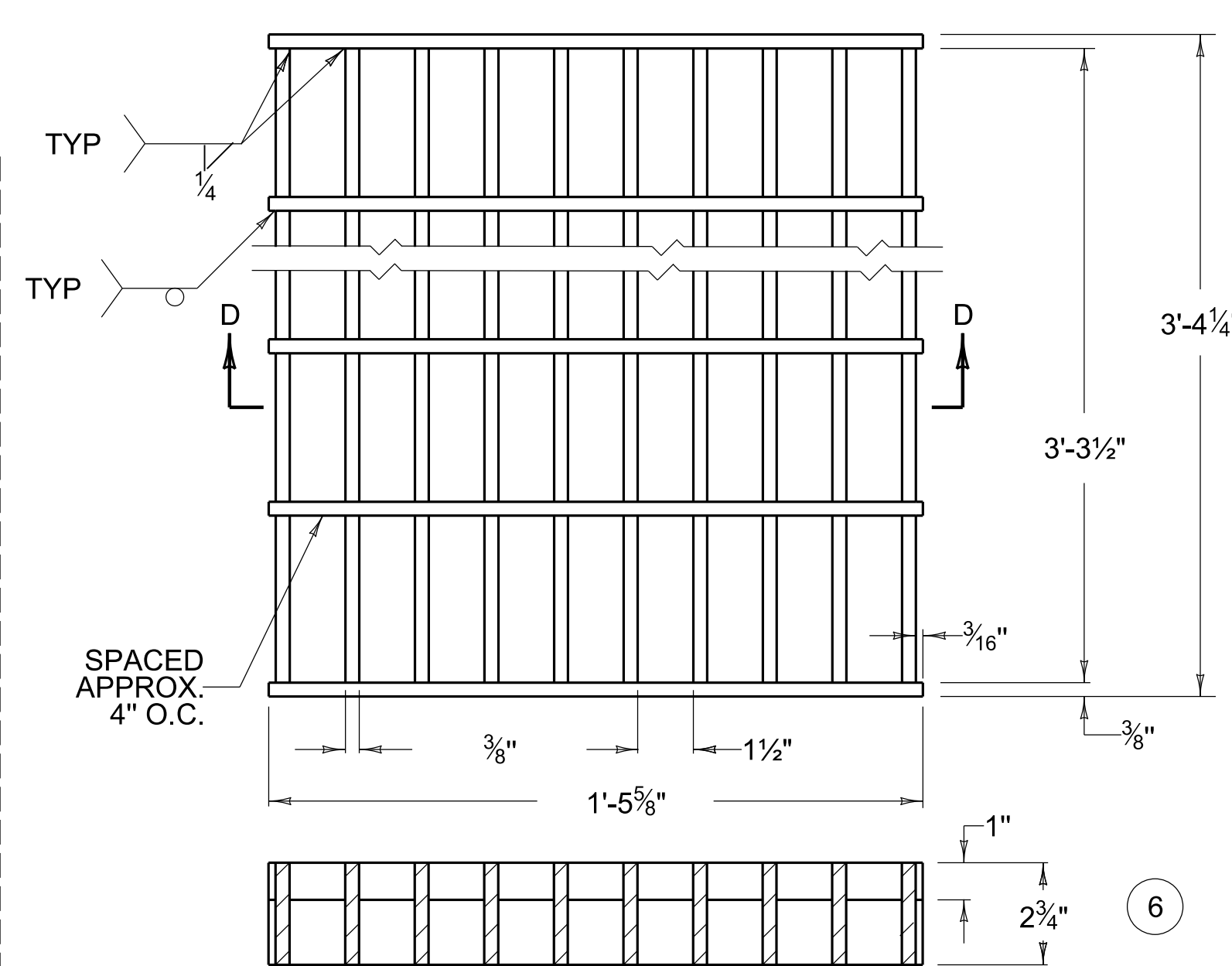




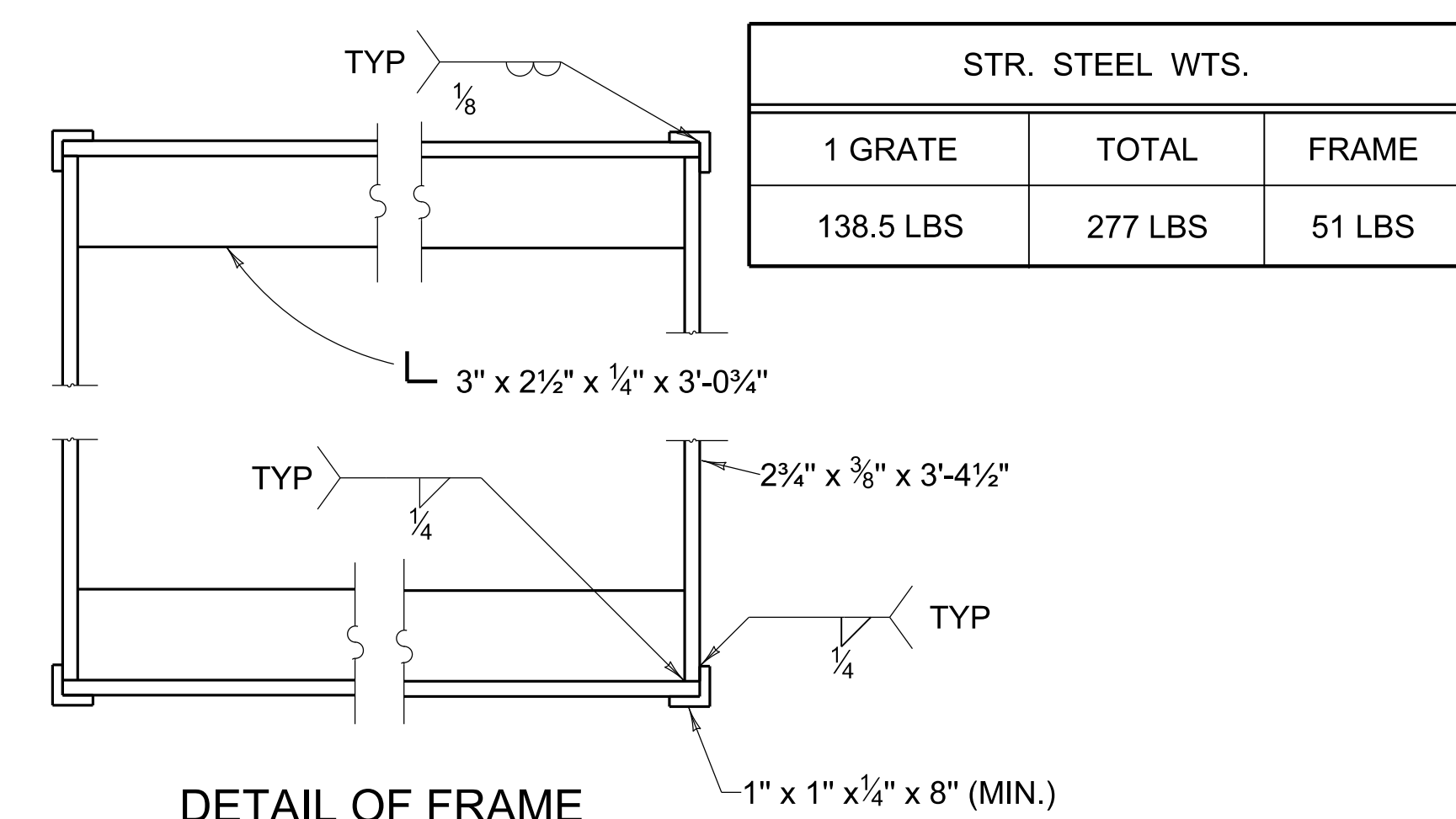
PLAN VIEW



SECTION B-B

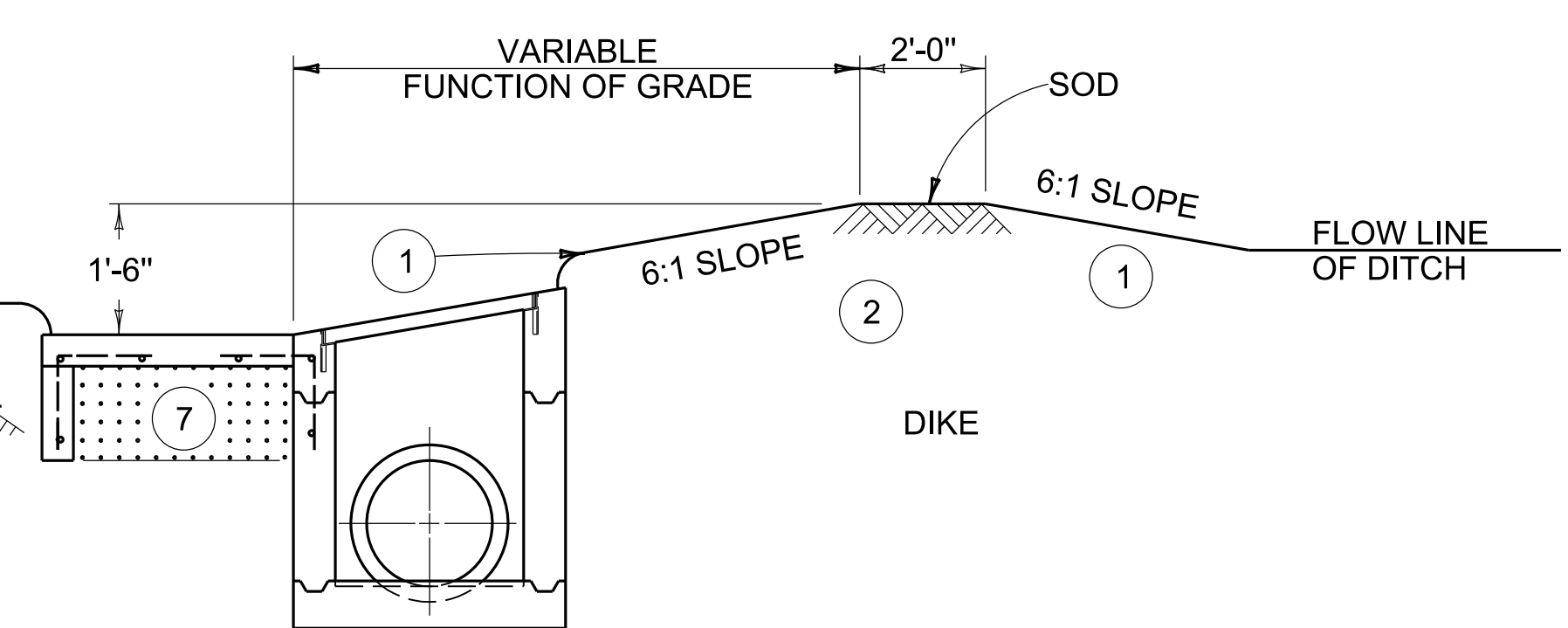


SECTION D-D
DETAIL OF GRATE
(TWO REQUIRED)

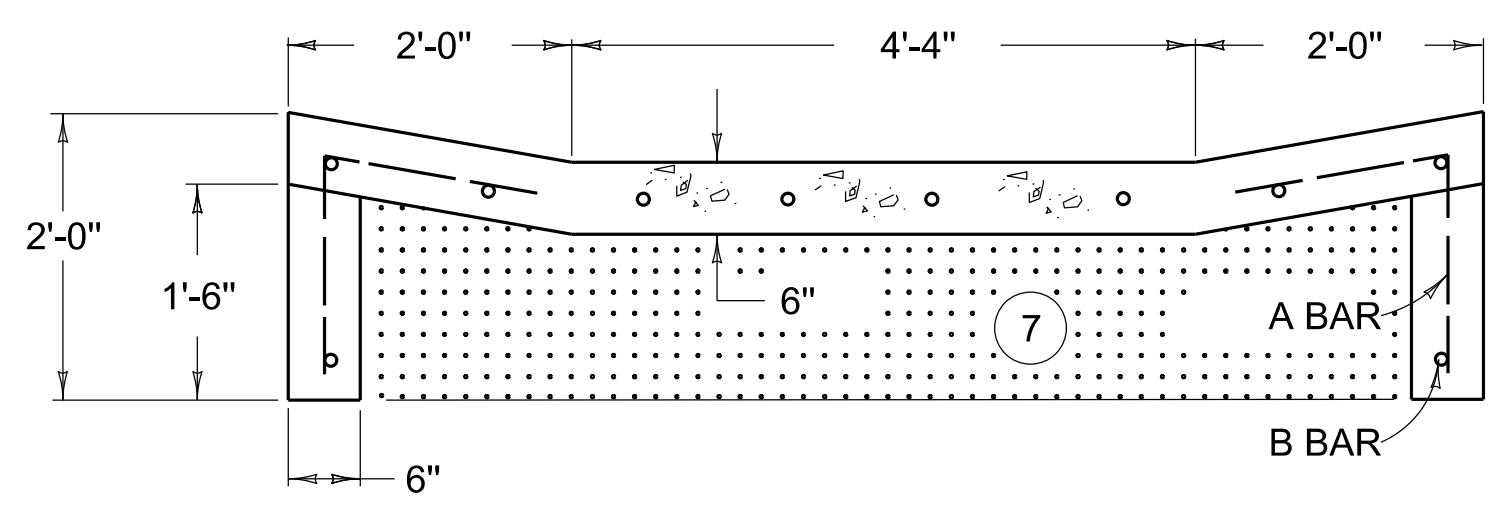


DETAIL OF FRAME

STR. STEEL WTS.		
1 GRATE	TOTAL	FRAME
138.5 LBS	277 LBS	51 LBS



SECTION OF DIKE



SECTION C-C

BILL OF REINFORCEMENT				
BAR	NO. OF BARS	SIZE	LENGTH	APPROX. SPACING
A	40 OR 56	#5	3'-0"	1'-0" C TO C
B	25 OR 40	#4	4'-0"	AS SHOWN

NOTE: PRIMARY USE (ROADSIDE DITCH LOCATION)

APPROX. QUANTITIES		
TYPE	CONCRETE 3'-9" ³ BOX	REINF. STEEL
SAG	4.4 CU. YD. ⁴	282 LBS
GRADE	3.4 CU. YD. ⁴	192 LBS

~ NOTES ~

- BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 3 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 0.36 CU. YD. PER FOOT IN HEIGHT.
 - DEDUCT APPROX. 0.1 CU. YD. OF CONCRETE PER 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 3

STANDARD DRAWING NUMBER
RDB-003-08

DRAINAGE

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

SUBMITTED *William S. Sipes* 12-01-2015 DATE
DIVISION DIRECTOR

APPROVED *William S. Sipes* 12-01-2015 DATE
STATE HIGHWAY ENGINEER