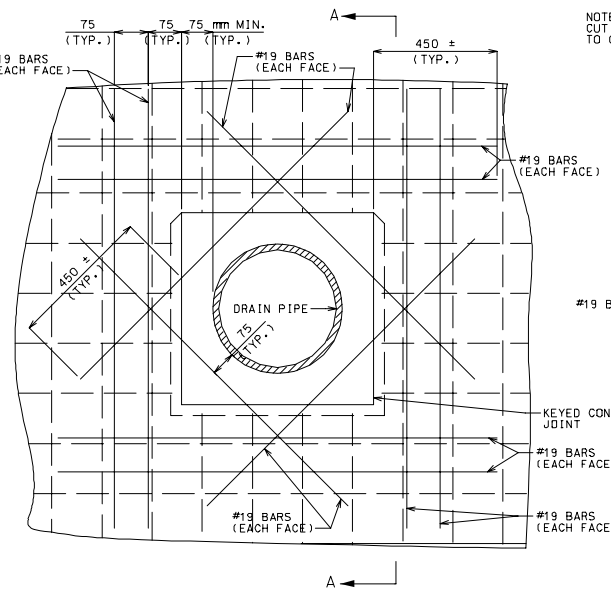
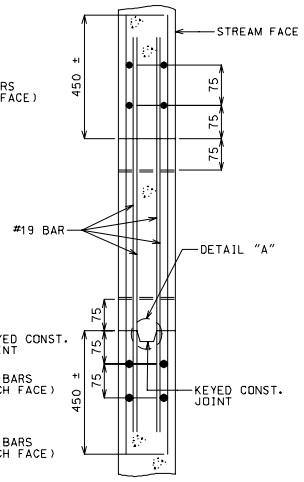
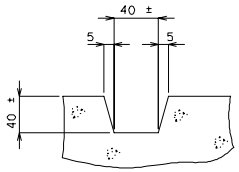


PART ELEVATION OF EXTERIOR WALL
(PIPE DIAMETER = 600 mm OR MORE)
(WALL THICKNESS = 300 mm OR MORE)

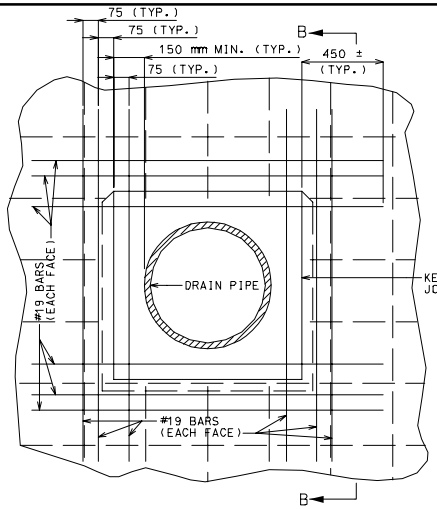
NOTE:
CUT PLAN REINFORCING BARS TO CLEAR PIPE BLOCK-OUT.



SECTION A-A

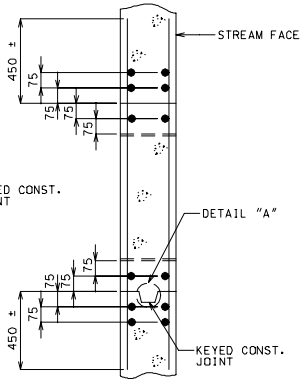


DETAIL "A"
(KEYED JOINT)

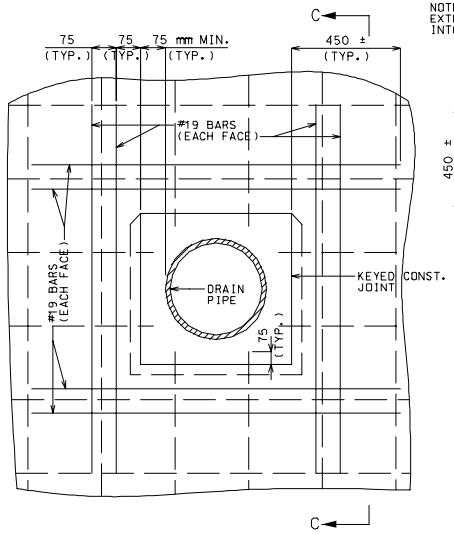


PART ELEVATION OF EXTERIOR WALL
(PIPE DIAMETER = 600 mm OR MORE)
(WALL THICKNESS = 200 mm TO 300 mm)

NOTE:
CUT PLAN REINFORCING BARS TO CLEAR PIPE BLOCK-OUT.

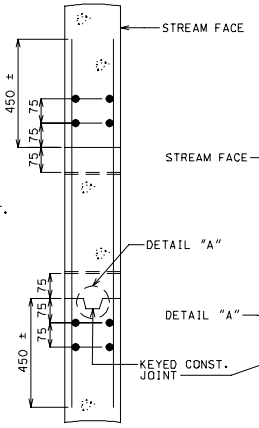


SECTION B-B

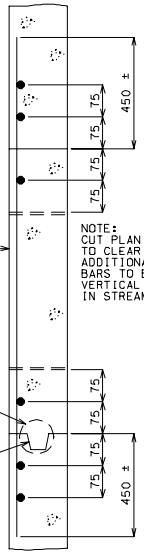


PART ELEVATION OF EXTERIOR WALL
(PIPE DIAMETER = LESS THAN 600 mm)
(WALL THICKNESS = 200 mm OR MORE)

NOTE:
EXTEND PLAN REINFORCING BARS INTO PIPE BLOCK-OUT AS SHOWN.

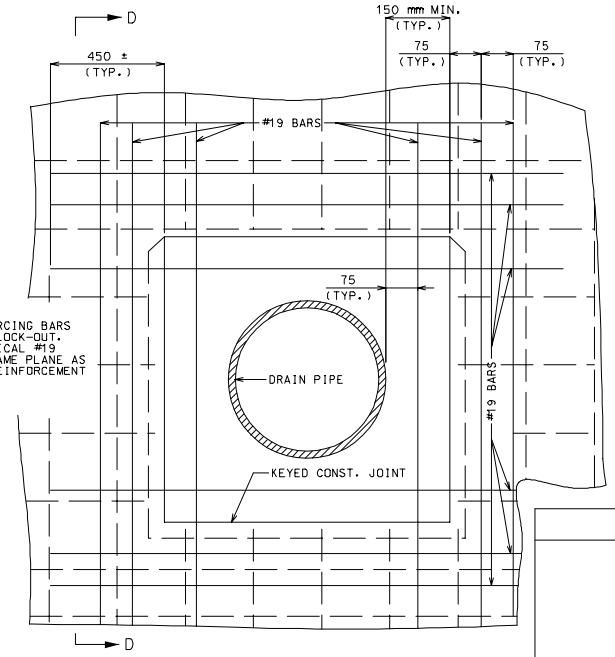


SECTION C-C



SECTION D-D

NOTE:
CUT PLAN REINFORCING BARS TO CLEAR PIPE BLOCK-OUT. ADDITIONAL VERTICAL #19 BARS TO BE IN SAME PLANE AS VERTICAL PLAN REINFORCEMENT IN STREAM FACE.



PART ELEVATION OF EXTERIOR WALL
(PIPE DIAMETER = 900 mm OR LESS)
(WALL THICKNESS = LESS THAN 200 mm)

NOTE:
DASHED BARS REPRESENT PLAN REINFORCEMENT.

SOLID BARS INDICATE ADDITIONAL #19 BARS.

BAR COVER FROM FACE OF CONCRETE = 40 mm CLEAR.

SEE ROAD PLANS FOR LOCATION, SIZE AND TYPE OF PIPE.

PLACE 8 mm JOINT FILLER AROUND REINFORCED CONCRETE PIPE AND EMULSIFIED ASPHALT AROUND CORRUGATED METAL PIPE AT PIPE INLET.

THE BLOCK-OUT MAY BE ELIMINATED AT CONTRACTORS ELECTION. IF BLOCK-OUT IS ELIMINATED, REINFORCEMENT SHALL BE AS SHOWN EXCEPT PLAN REINFORCEMENT MAY BE BENT TO CLEAR PIPE.

ADDITIONAL REINFORCEMENT REQUIRED FOR BLOCK-OUT IS NOT INCLUDED IN ESTIMATED QUANTITIES. NO SEPARATE PAYMENT WILL BE MADE FOR ADDITIONAL REINFORCING REQUIRED.

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE SPECIFIED.

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONCRETE BOX STRUCTURE PIPE INLET

DATE _____	EFFECTIVE: 07-01-2001	M703.60E	1/1