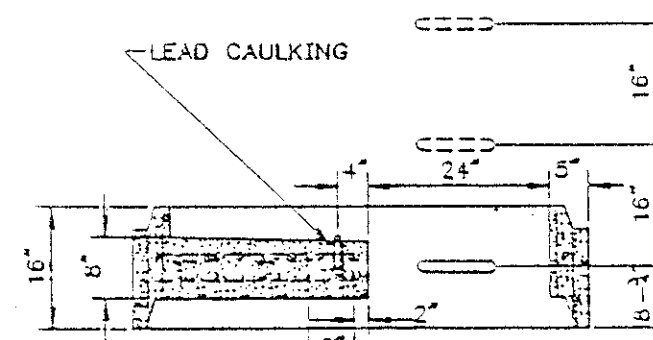


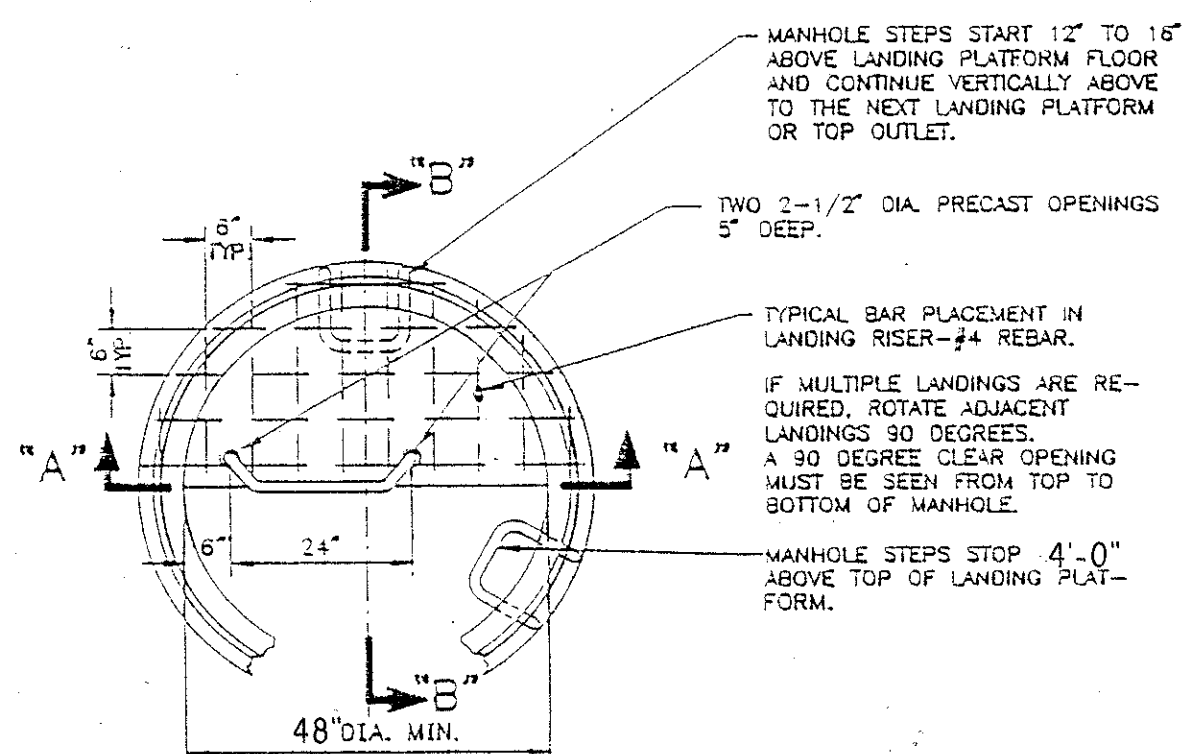
SECTION "A-A"

2-1/4" DIA. STEEL PLATE 3/4" THICK WELDED TO BOTH ENDS OF 1-1/2" STEEL BAR WITH TWO PASSES OF 1/4" FILLET WELD.



SECTION "B-B"

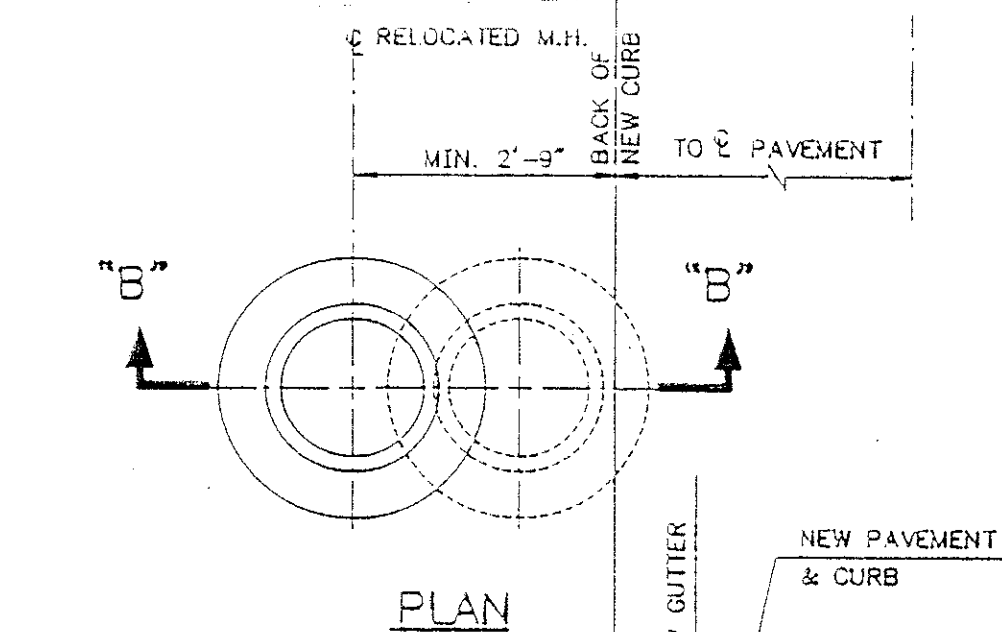
NOTE: LANDING PLATFORMS AS SHOWN ON THE LANDING DETAILS SHALL BE INSTALLED IN MANHOLES THAT ARE OVER TWENTY-EIGHT (28) FEET DEEP TO THE INVERT WITH A MAXIMUM VERTICAL SPACING OF TWENTY (20) FEET.



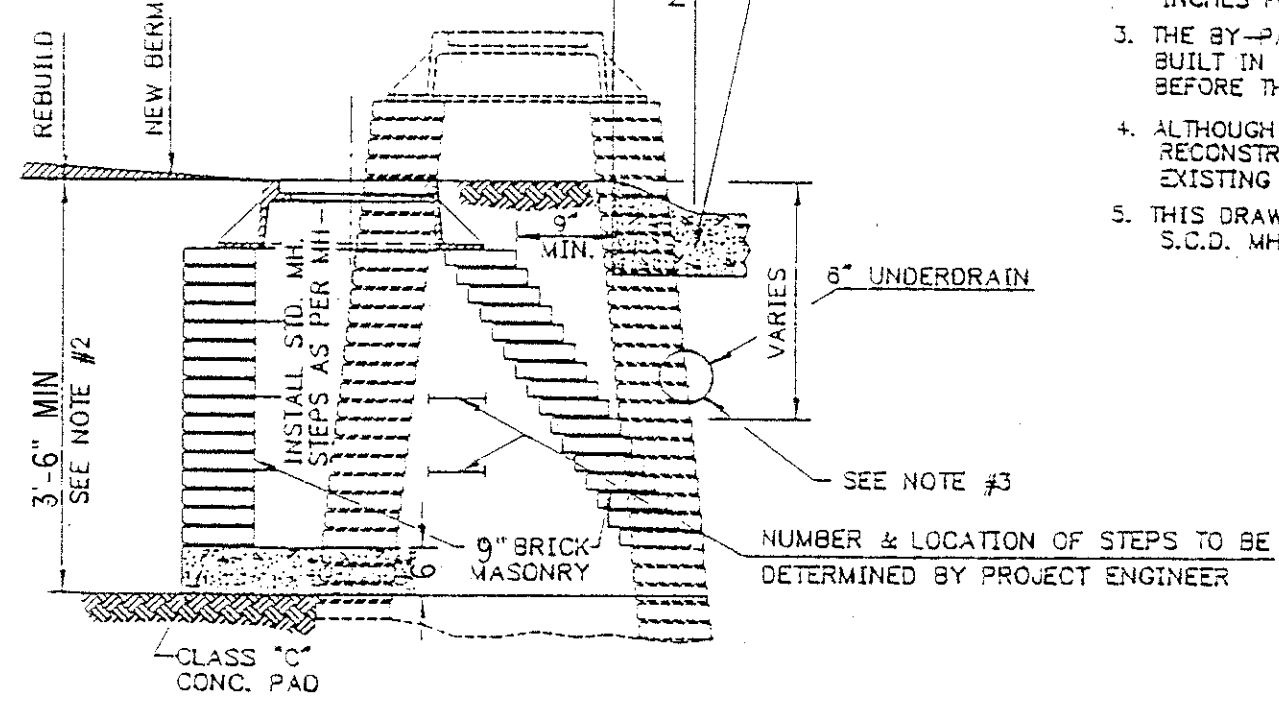
PLAN VIEW

16" LANDING RISER DETAIL FOR PRECAST MANHOLE

ITEM 604 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN



PLAN

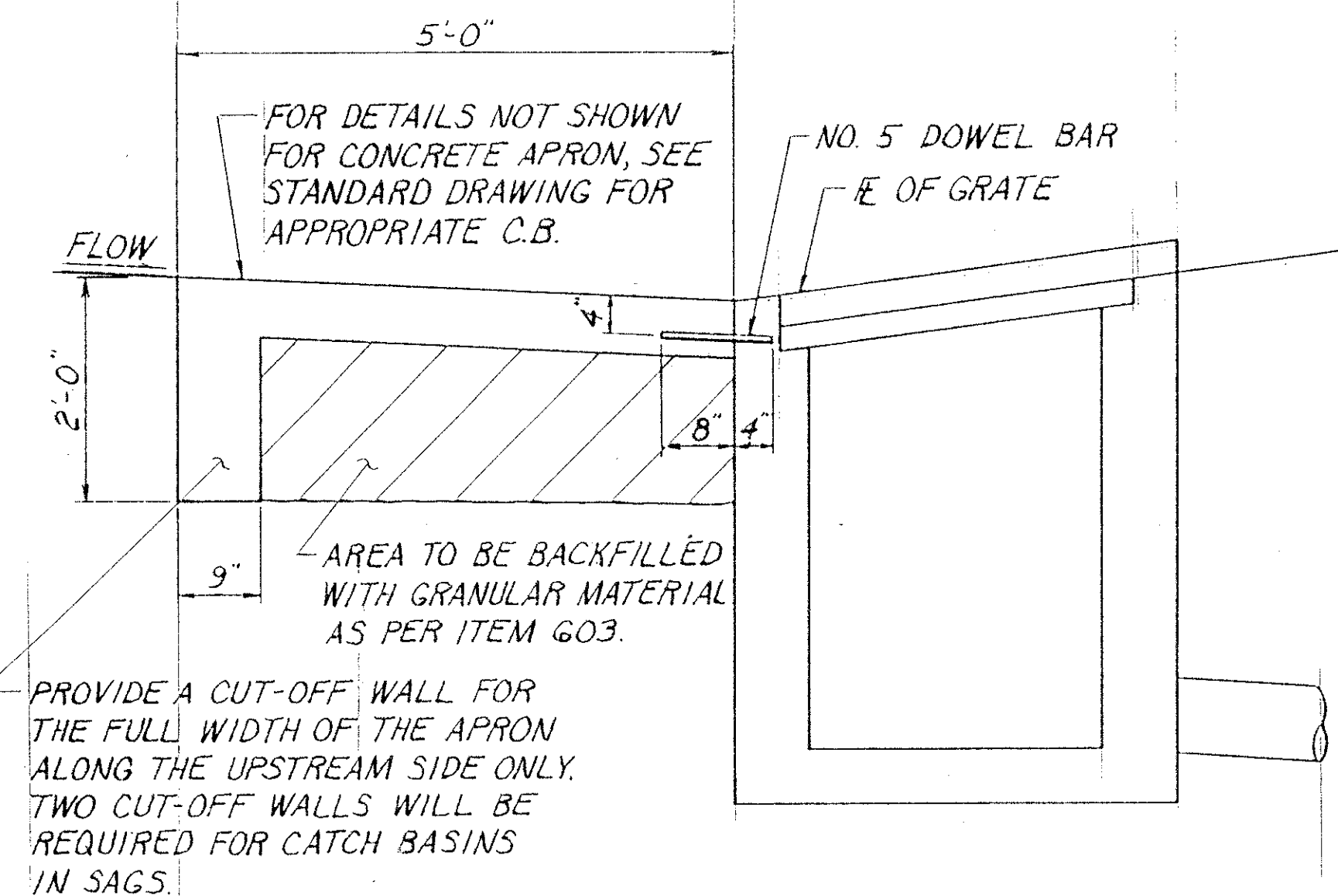


SECTION "B-B" METHOD-1 IN BERM

RECONSTRUCTION OF EXISTING MANHOLE WHICH OBSTRUCTS NEW CURB LOCATION

NOTES:

1. THE ENGINEER SHALL INVESTIGATE THE FIELD CONDITIONS GOVERNING THE EXISTING MANHOLE WITH RESPECT TO THE NEW LINE AND ELEVATION OF PAVEMENT AT CURB.
2. FIELD CONDITIONS WILL GOVERN THE AMOUNT OF STRUCTURE TO BE DEMOLISHED AND REBUILT. CORBELLING OF THE BRICK SHALL NOT EXCEED ONE AND ONE-HALF (1-1/2) INCHES FOR EACH COURSE.
3. THE BY-PASSING SIX (6) INCH UNDERDRAINS SHALL BE BUILT IN PLACE AROUND THE REBUILT (CORBELLED) WALL BEFORE THE CONSTRUCTION OF PAVEMENT IS STARTED.
4. ALTHOUGH SHOWN AS EXISTING BRICK, THIS METHOD OF RECONSTRUCTION MAY BE UTILIZED FOR ALL TYPES OF EXISTING MANHOLE WALLS.
5. THIS DRAWING IS USED IN CONJUNCTION WITH O.D.O.T. S.C.D. MP-1.

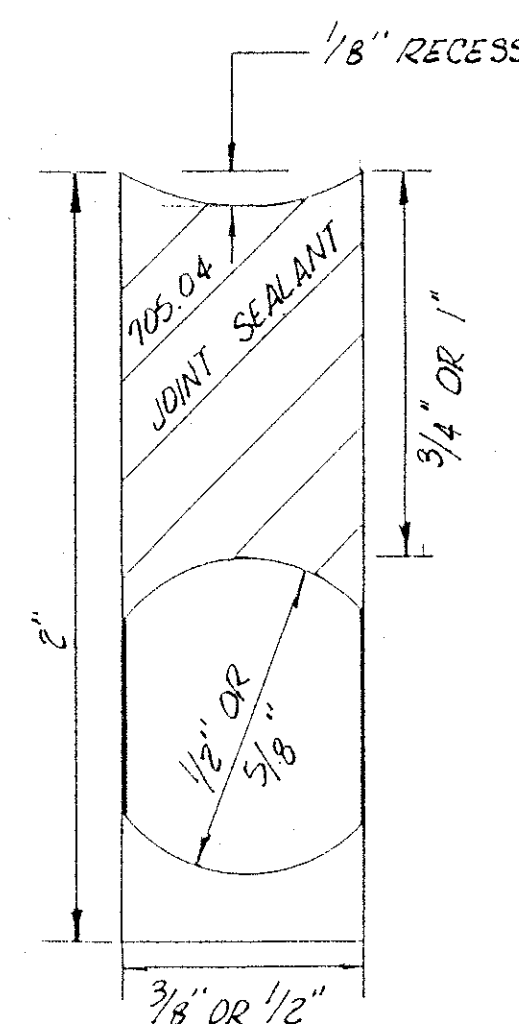


CATCH BASIN SECTION

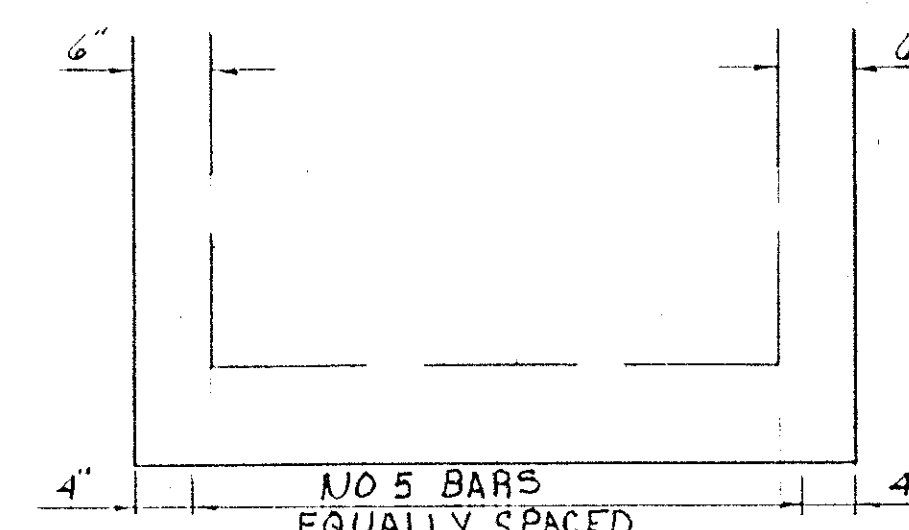
NOTES:

- THIS DETAIL SHALL BE USED FOR NO. 4, NO. 5 & NO. 5A CATCH BASINS, AS PER PLAN. FOR DETAILS NOT SHOWN SEE STD. DWG. CB-4, CB-5 AND CB-5A.
- THE REQUIREMENTS OF ITEM 604 SHALL GOVERN THE REPLACEMENT OF THE EXISTING CATCH BASIN. THE WORK SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING CATCH BASIN AND ITS SUBSEQUENT REPLACEMENT. THE CONCRETE APRON SHALL BE REPLACED AND BACKFILLED AS SHOWN HERE AND IN THE PERTINENT STANDARD DRAWING.
- PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 604 CATCH BASIN, NO. 4, 5 OR 5A, AS PER PLAN, AND SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING ALL MATERIAL, LABOR, TOOLS AND EQUIPMENT INCIDENTAL TO COMPLETE THIS ITEM OF WORK.

THE NUMBER OF BARS NEEDED ALONG EACH SIDE OF A NO. 4 CATCH BASIN WITH A CONCRETE APRON IS 7. FOR A NO. 5 & 5A CATCH BASIN THE NUMBER OF BARS NEEDED ALONG EACH SIDE WITH A CONCRETE APRON IS 4.



ITEM SPECIAL - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS, - 705.04



BAR LOCATION DETAIL

NOTE:

- THE FURNISHING AND PLACING OF STEEL FOR THE 5/8"x12" DOWEL BARS SHALL BE PER 509 REINFORCING STEEL. THE DOWEL BARS SHALL BE EPOXY COATED PER 50910. THE DOWEL BARS SHALL BE INSTALLED PER 510 OR CAST INTO THE BASIN. BOLT OR INSERTS MAY BE USED. THE CATCH BASIN SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE, BRICK OR CONCRETE BLOCK WILL NOT BE PERMITTED. THE 6" CONCRETE APRON SHALL BE REINFORCED PER 601.04 (3).

CATCH BASIN NO. 4, 5 & 5A AS PER PLAN

CATCH BASIN NO.	TOTAL # OF BARS FOR A STD. APRON	SAG APRON
4	7	14
5 & 5A	12	16