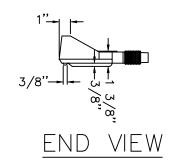
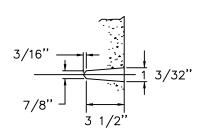


## SECTION A-A





<u>PIN BLOCK OUT</u>

## NOTES:

- 1. STEPS TO BE CAST, UNALTERED, IN MANHOLE WALL IN A STRAIGHT LINE, VERTICALLY. AT SAME TIME THE BARREL OR CONE SECTIONS ARE CAST.
- 2. IF STEPS ARE NOT CAST INTO THE MANHOLE BARREL SECTIONS AS MENTIONED ABOVE. STEPS SHALL BE INSTALLED BY THE "PRESS FIT" METHOD, UTILIZING A SPECIALLY TAPERED PIN TO FORM THE INSERT HOLE AS SHOWN. FOLLOWING MANUFACTURES RECOMMENDED PROCEDURE AND SHALL NOT BE GROUTED IN PLACE.
- 3. INSTALLED STEPS SHALL BE CAPABLE OF WITHSTANDING A PULL OUT FORCE OF 2500 LBS. PER LEG FOR A MINIMUM PERIOD OF TWO MINUTES.
- 4. PINS MUST BE SMOOTH AND CONTINOUSLY TAPERED. DIMENSIONS OF THE PIN AND THE INSERTED PORTION OF THE MANHOLE STEP ARE TYPICAL ONLY. W.M.D. INSTALLATIONS REQUIRE A MATCHED COMBINATION OF A TAPPERED INSERT PIN AND MANHOLE STEP, AS RECOMMENDED OR REQUIRED BY SPECIFIC MANUFACTURER OF THE STEP TO BE USED.
- 5. THIS STEP CAN ALSO BE USED IN TOE POCKET INSTALLATIONS PROVIDED 5" TOE CLEARANCE IS ALLOWED.

DRAWN BY: JSH

CHECKED BY: RJH

APPROVED BY:
DIRECTOR OF PUBLIC WORKS

POLYPROPYLENE
REINFORCED PLASTIC
MANHOLE STEP

ISSUED: JULY 2, 1998

REVISED: OCT. 17, 2000

DRAWING NO.

6.05B