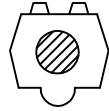


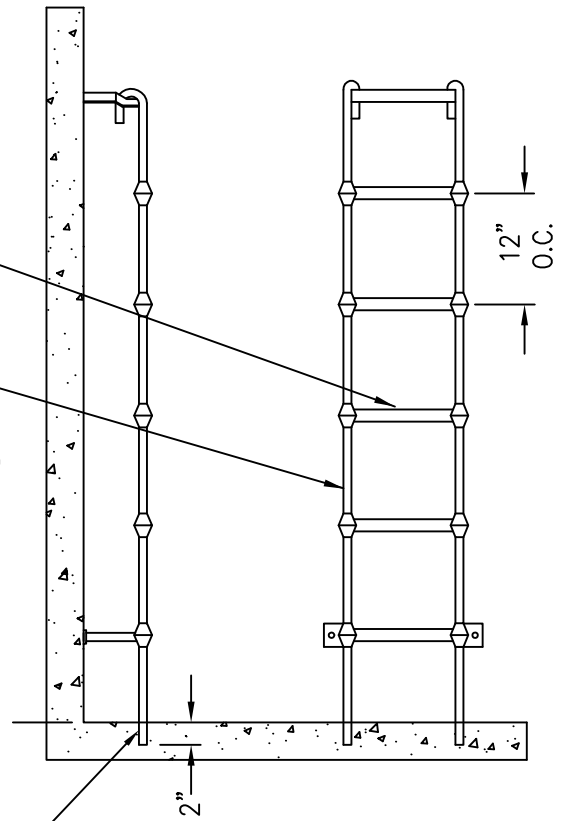
POLYPROPYLENE STEP, LANE NO. P-14938 OR EQUAL

**POLYPROPYLENE
MANHOLE STEPS**

RUNG
1/2" GRADE 60



RAIL
9/16" ROUND
BAR



PROVIDE 2" MINIMUM PENETRATION INTO MANHOLE BASE. PROVIDE MEANS TO SECURELY ANCHOR INTO MANHOLE BASE AND BOLT LADDER TO SIDE OF MANHOLE

LADDER SHALL CONFORM TO COPOLYMER POLYPROPYLENE ASTM D-4101 1/2" GRADE 60 REINFORCING BAR A-615 9/16" COLD DRAWN BAR C-1018

POLYPROPYLENE LADDER



LDERWOOD
WATER & WASTEWATER
DISTRICT

**POLYPROPYLENE LADDER
AND MANHOLE STEPS**

DATE: 11-2015

DWG. S-4

APPROVED BY: DLH
DISTRICT ENGINEER