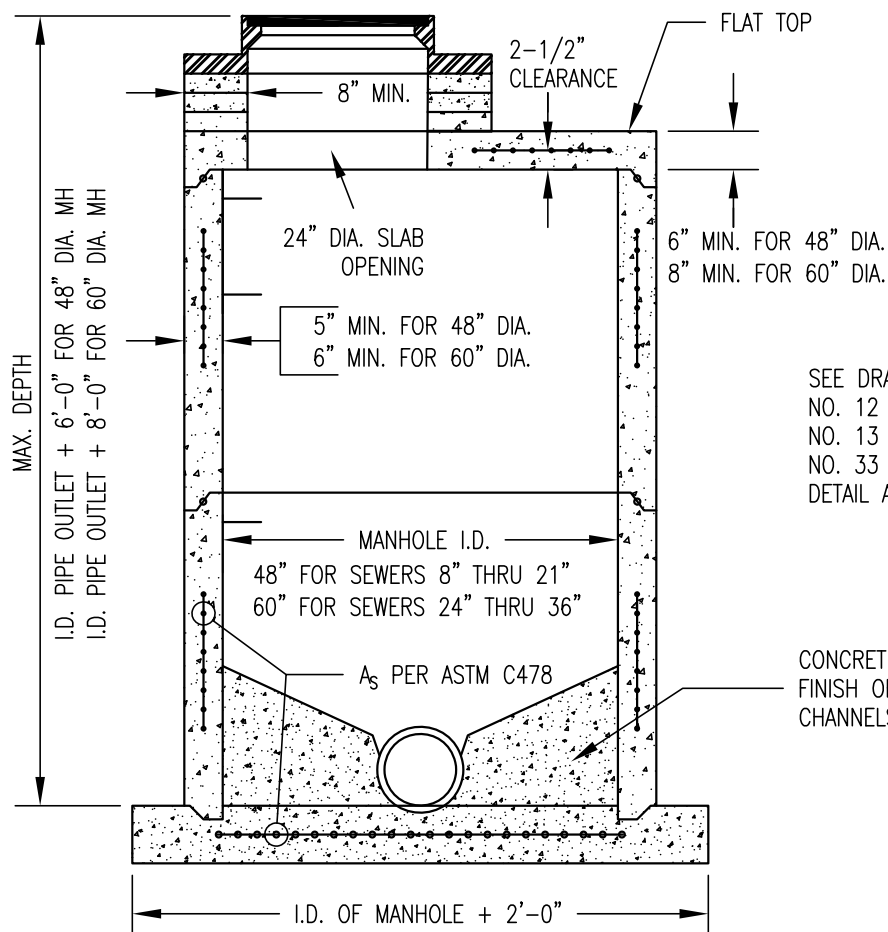




SEE DRAWINGS:
 NO. 12 FOR GRADE ADJUSTMENT
 NO. 13 FOR CASTING DETAILS
 NO. 33 & 34 FOR PAVEMENT
 DETAIL AROUND CASTING

CONCRETE WITH STEEL TROWEL
 FINISH OR PRECAST INVERT
 CHANNELS AND BENCH.

NOTES:

- 1) PRECAST MANHOLE SECTIONS SHALL MEET ASTM C478.
 MANHOLE JOINTS SHALL MEET ASTM C443. CONCRETE IN MANHOLES SHALL MEET THE SPECIFICATION ITEM NOS. 4 & 16.
- 2) MANHOLE STEPS SHALL MEET ASTM D4101 & BE M.A. IND. PS1-PF REINFORCED PLASTIC STEPS OR APPROVED EQUAL. IF TOP STEP IS IN 24" DIA. OPENING IT MAY PROJECT NO MORE THAN 3 1/2". INSTALLATION SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
- 3) FOR PVC & ABS PIPE CONNECTIONS USE ASTM C-923 FLEXIBLE GASKET SUCH AS A-LOK, DURA SEAL III, KOR-N-SEAL OR APPROVED EQUAL. THIS CONNECTION IS NOT ACCEPTABLE FOR EXISTING VCP. FOR CONNECTION TO EXISTING VCP A SUFFICIENT LENGTH PVC SHOULD BE INSTALLED OUT OF MANHOLE TO ALLOW FOR COUPLING TO VCP.
- 4) BUTYL SEALANT (CONSEAL 102 OR APPROVED EQUAL) SHALL BE USED AT ALL JOINTS. APPLY WRAP EXTERIOR JOINT SEALER, CONSEAL 212 OR APPROVED EQUAL TO OUTSIDE OF PRECAST RINGS & ALL OTHER JOINTS.
- 5) IF JOINT SEALER WRAP IS USED, TROWELABLE TAR SHOULD BE USED TO FURTHER SEAL TOP & BOTTOM EDGES, IF NEEDED.

NO SCALE

APR'D 03/18

STARK COUNTY
 SANITARY ENGINEERING DEPT.

REVISION	DATE	BY

DETAIL DWG.NO. 11
 ITEM NO. 16

SHALLOW PRECAST
MANHOLE