

2" OR 3" APPROVED
ADJUSTING RINGS

C.I. FRAME & COVER

4" MIN.
12" MAX.

4'-0" OR LESS

MULTIPLES OF
16" RISER

4'-0" OR LESS

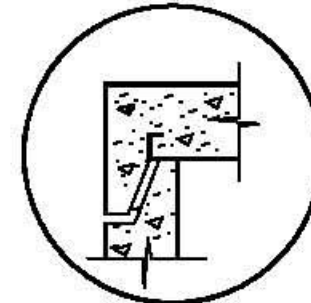
8"

SEE DETAIL "A"

MANHOLE STEPS SHALL
BE ACID-RESISTANT
(TYP.)

STANDARD PRECAST
MANHOLE WITH P.V.C.
LINING

P.V.C. OR AGRU SURE-GRIP
LINING IN "FLATTOP" TYPE
MANHOLE TOP



DETAIL "A"

INVERT AND GROUT
SHALL BE DONE
WITH SULFATE RE-
SISTING CEMENT

BENCH

6" MIN.

EXTENDED
MONOLITHIC
BASE OPTIONAL

SUPPORT PIPE ON
#57 STONE BEDDING

8" OF STONE BEDDING

NOTE:

ACID-RESISTANT MANHOLES SHALL BE REQUIRED A MINIMUM OF 1200 FT. DOWNSTREAM OF FORCE MAIN DISCHARGE. CONSULTANTS MUST PROPERLY DESIGN THE SYSTEM THAT THE APPROPRIATE NUMBER OF MANHOLES ARE PROTECTED FROM FUTURE DETERIORATION.

LINING SHALL BE PVC FABRIC EQUAL TO AMERON OR HDPE/PPR AS MANUFACTURED BY AGRU & AMERICAST.

T-LOCK OR AGRU SURE-GRIP JOINTS SHALL BE WELDED ACCORDING TO LINER MANUFACTURER'S RECOMMENDATIONS.

REVISIONS



SPECIAL ACID-RESISTANT LINING ALL MANHOLES

DRAWING NO.

440