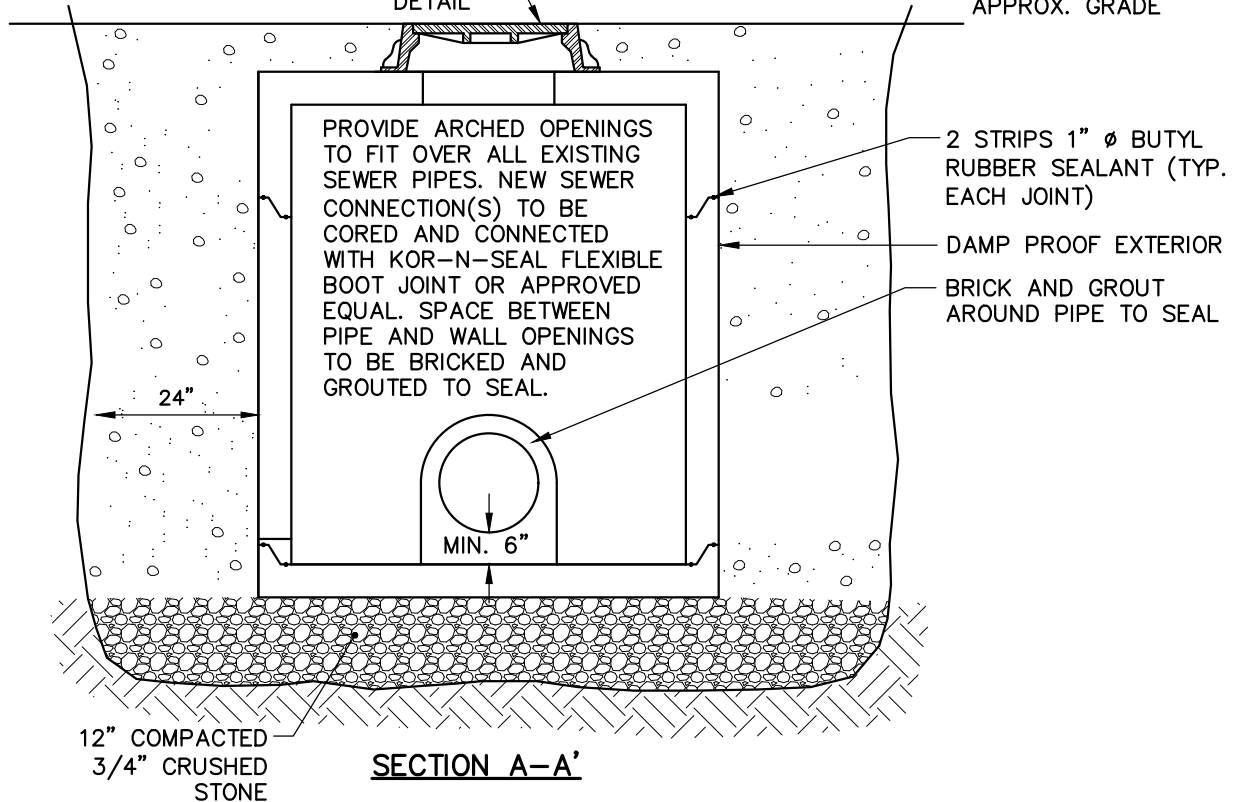


PROVIDE ALL SEWER/DRAIN APPURTENANCES
IN ACCORDANCE WITH PRECAST MANHOLE
DETAIL

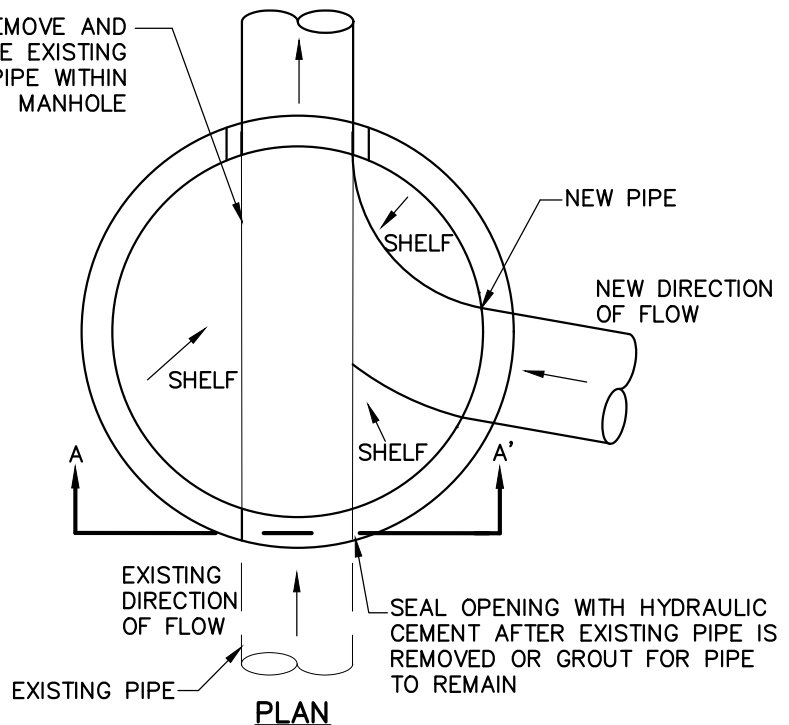
APPROX. GRADE



NOTES:

1. PRECAST CONCRETE STRUCTURE TO BE PLACED AROUND EXISTING AND NEW PIPING, AND OPENINGS SEALED. EXISTING PIPING NO LONGER IN USE SHALL BE DEMOLISHED AFTER CONNECTION TO NEW PIPING IS MADE.
2. AFTER NEW CONNECTION IS MADE, CUT AND REMOVE EXISTING PIPE. SEAL PIPE OPENING, AND CONSTRUCT SHELF AS SHOWN.
3. FLOW SHALL BE MAINTAINED AT ALL TIMES DURING WORK. BYPASS PUMPING SHALL BE USED IF NECESSARY.
4. CONCRETE BASE SHALL BE PRECAST SLAB WITH SHIPLAP JOINT OR CAST-IN-PLACE CONCRETE MIN 4,000 PSI. BASE SHALL BE 15" THICK WITH 3" COVERAGE ON RISER SECTION FOR MIN. 12" CONTINUOUS SLAB THICKNESS. USE SOLID CONCRETE BLOCKS TO SUPPORT RISER SECTION.
5. STRUCTURE SHALL BE PRESSURE TESTED PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH THE SPECIFICATIONS.

REMOVE AND
DISPOSE EXISTING
PIPE WITHIN
MANHOLE



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
TOWN OF BILLERICA,
MASSACHUSETTS**

DOGHOUSE MANHOLE

CREATED BY: DCW/KCS

SCALE: NTS

FILE:

CHECKED BY: GA/JT

DATE: 07/08/2015