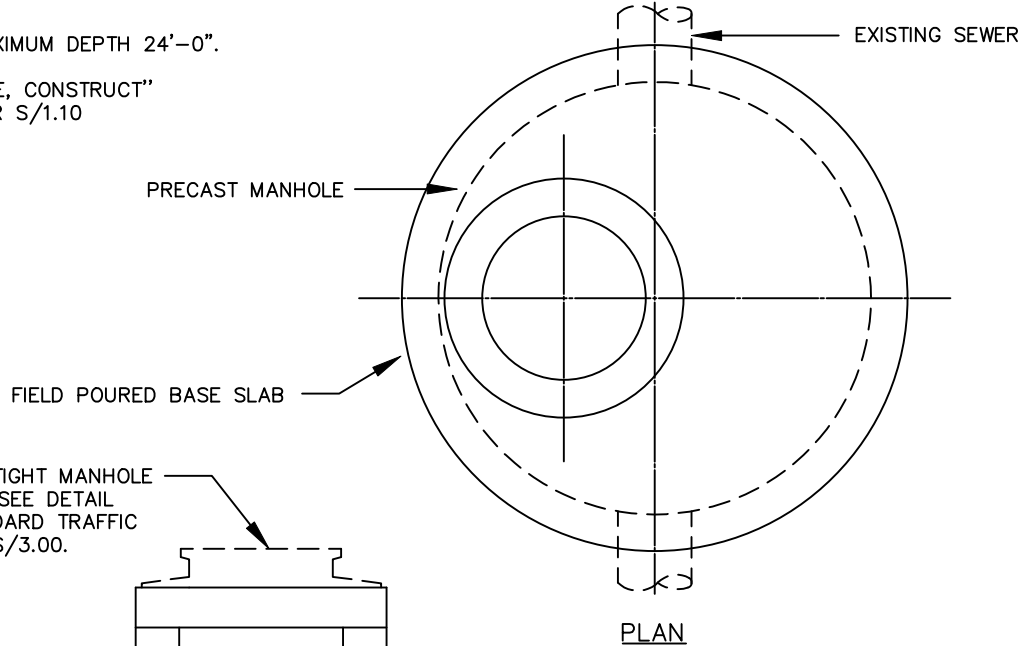


NOTES:

1. MANHOLE MAXIMUM DEPTH 24'-0".
2. FOR PVC PIPE, CONSTRUCT" MANHOLE PER S/1.10



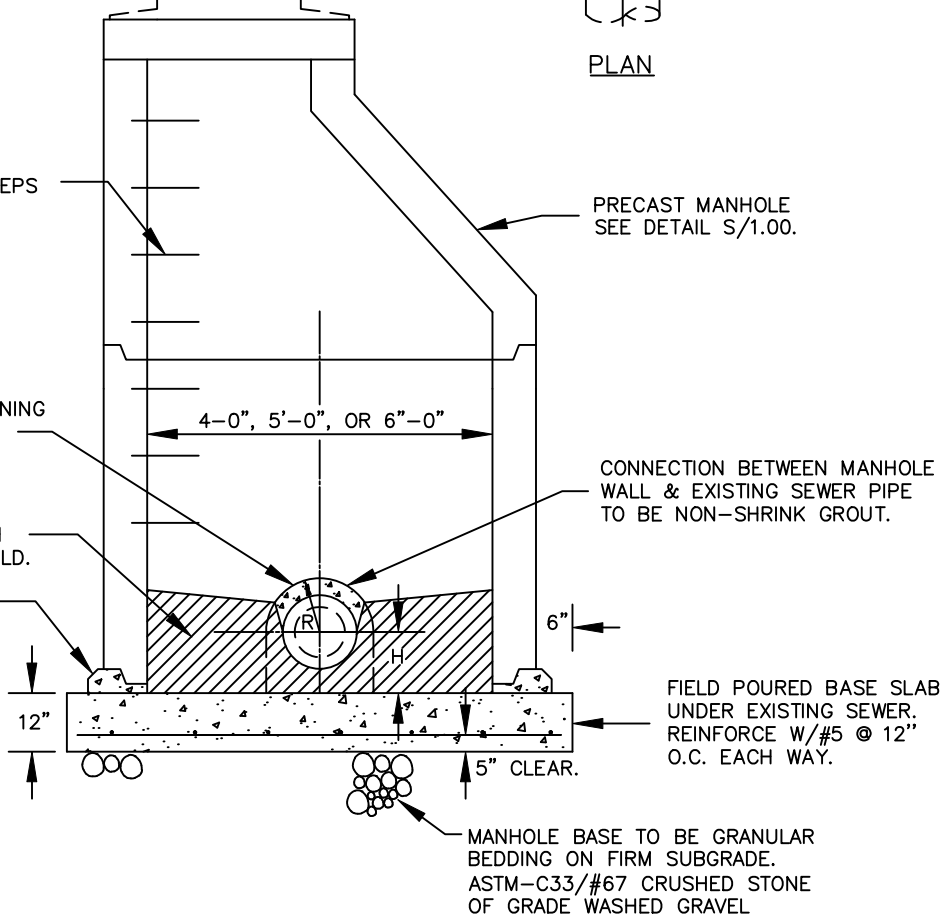
STANDARD WATERTIGHT MANHOLE FRAME & COVER, SEE DETAIL S/3.02; OR STANDARD TRAFFIC FRAME & COVER S/3.00.

TYPICAL MANHOLE STEPS SEE DETAIL S/1.00

DOGHOUSE TYPE OPENING
 $R=1/2$ PIPE O.D.+2"
 $H=1/2$ PIPE O.D.+4"

BRICK OR CONCRETE CHANNEL AND BENCH CONSTRUCTION IN FIELD.

SET RISER IN MORTAR.



CONNECTION BETWEEN MANHOLE WALL & EXISTING SEWER PIPE TO BE NON-SHRINK GROUT.

FIELD POURED BASE SLAB UNDER EXISTING SEWER. REINFORCE W/#5 @ 12" O.C. EACH WAY.

MANHOLE BASE TO BE GRANULAR BEDDING ON FIRM SUBGRADE. ASTM-C33/#67 CRUSHED STONE OF GRADE WASHED GRAVEL



CHARLES COUNTY GOVERNMENT

DEPARTMENT OF PLANNING & GROWTH MANAGEMENT

APPROVED: Raymond N. Shumaker, Jr. Aug 8, 2023
Raymond N. Shumaker, Jr. (Aug 8, 2023 12:00 EDT)
 CHIEF OF CODES, PERMITS, & INSPECTION SERVICES DATE

Andy Blum Aug 8, 2023
Andy Blum (Aug 8, 2023 14:40 EDT)
 PROFESSIONAL ENGINEER DATE

STANDARD DETAIL

PRECAST CONCRETE MANHOLE BUILT OVER EXISTING SEWER TYPE II

S
1.09

REVISIONS:
DECEMBER 2022