

23" MAX.
SURFACE TO
FLARE OF CONE

TYPE 1 FRAME WITH CLOSED LID
NEENAH R-1713 (OR APPROVED EQUAL).
SEE STANDARD COVER DETAIL.

TWO MAX. PRECAST CONC.
ADJUSTING RINGS MORTARED
(8" MAX.)

VALVE VAULT SHALL BE
CONSTRUCTED WITH
PRECAST REINFORCED
CONCRETE SECTIONS

ONE BUTYL RUBBER
STRIP (TYPICAL)

EXTERNAL JOINT SEAL
(TYPICAL)

TAPPING
VALVE

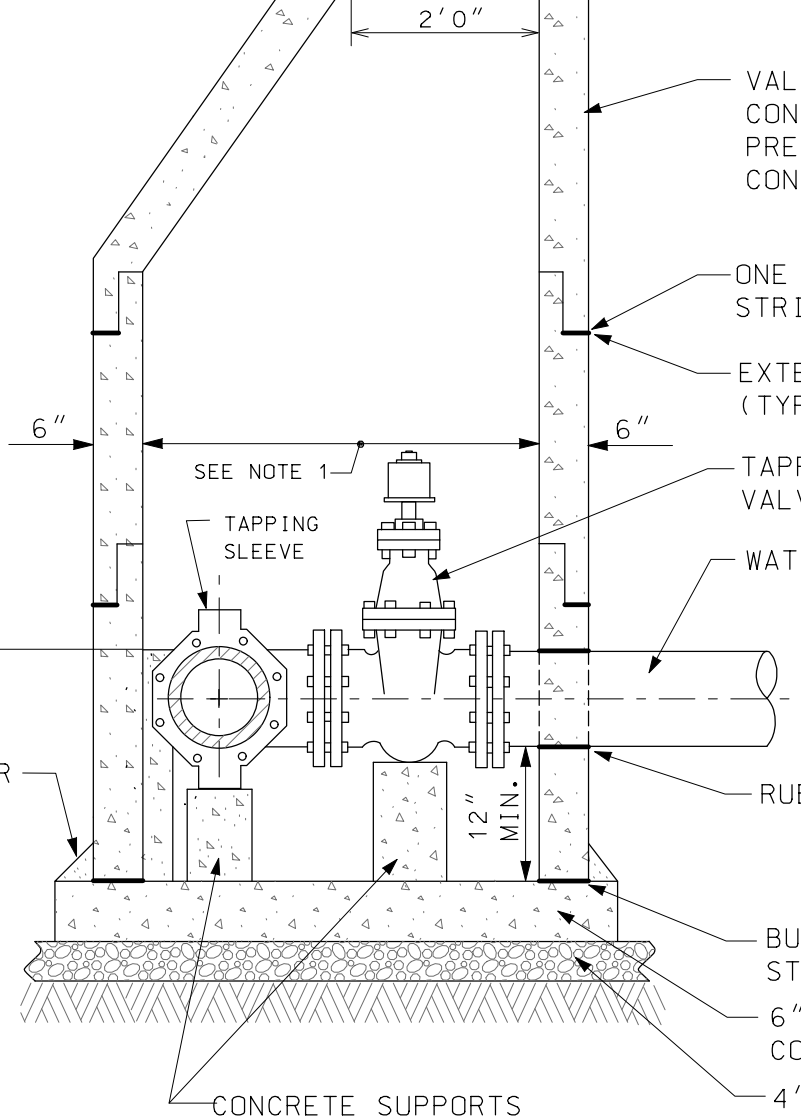
WATERMAIN

RUBBER BOOT (TYP)

BUTYL RUBBER
STRIPS (TYP)
6" REINFORCED
CONCRETE SLAB

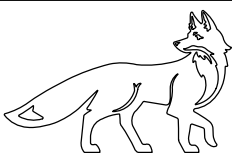
4" MIN.
STONE CUSHION

5' - 6" MINIMUM
(OR MEET EXIST. CONDITIONS)



NOTES:

1. PRESSURE CONNECTIONS SHALL ONLY BE ALLOWED WITH APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
2. 60" (MIN) INSIDE DIA. FOR ALL PRESSURE CONNECTION VAULTS.
3. ALL NON-PRECAST PIPE OPENINGS TO BE CORED AND RUBBER BOOTED.
4. BACKFILL MATERIAL SHALL BE IDOT CA-7.
5. MECHANICAL JOINT BOLTS, NUTS & WASHERS SHALL BE COMPOSED OF 304 GRADE STAINLESS STEEL.
6. USE ECCENTRIC/OFFSET CONE ONLY.
7. VALVE VAULT MUST CONFORM TO ASTM C-478.
8. VAULT SECTIONS TO BE TONGUE AND GROOVED.
9. BLOCKING SHALL NOT INTERFERE WITH BOLT MAINTENANCE OR REPLACEMENT.
10. FRAMES LOCATED WITHIN PAVED AREAS SHALL BE SET ACCORDING TO FRAME AND LID ADJUSTMENT DETAIL.



CITY OF ST. CHARLES
ILLINOIS • SINCE 1834
Pride of the Fox

PRESSURE CONNECTION

DATE: 9-10-2021

NOT TO SCALE

REVISED:

DRAWING NO. B-03