STANDARD C.I. VALVE COVER 1" CURB STOP

24" OR 40" STD. C.I. M.H. FRAME AND COVER AS SPECIFIED BY OWNER.

STANDARD INSTALLATION

1" COPPER PIPE TO BE LAID CLOSE TO VALVE 1" C.C. THD. OUTLET W/ 1" CORP. COCK

PRECAST GRADE RINGS PRECAST TOP OR CAST-IN-PLACE

GEAR BOX SHALL BE INSIDE M.H.

INSTALL VALVE OPERATING NUT RISER AND CROSS MEMBER.

5' OR 6' DIA. PRECAST OR CAST-IN-PLACE M.H. CLASS "F" CONCRETE (6' FOR 30" VALVE OR LARGER)

8" MIN. (CAST-IN-PLACE)

12" HIGH M.H. BASE SECTION (FOR PRECAST M.H.)

CLASS "F" CONCRETE SUPPORT BLOCKS

CLASS "F" CONCRETE SUPPORT BLOCK

(SAME SIZE AS VALVE)

BACKFILL 12" AROUND VALVE BODY W/ PORTLAND CEMENT STABILIZED SAND 2 SACKS PER CUBIC YARD.

PROFILE

N.T.S.
PLAN VIEW
(LESS MANHOLE FRAME & COVER INSTALLATION)
N.T.S.

NO. 5 BARS,
12" C-C

NO. 6 BARS,
6" C-C

GATE VALVE
SIZE

DIMENSION TABLE

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<th>B</th>
<th>C</th>
<th>D</th>
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<th>F</th>
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NOTES:
1. PROVIDE CORPORATION AND CURB STOPS A MAXIMUM OF 12" FROM EACH END OF GATE VALVE, AS SHOWN. CORPORATION AND CURB STOP SIZES SHALL BE 1" FOR 16", 20", AND 24" NOMINAL PIPE DIAMETERS; 2" FOR 30" AND LARGER DIAMETERS. 2" TAPS SHALL BE MADE AS A 2" FLANGED OUTLET WITH INSULATED ADAPTOR KIT. COPPER RISERS SHALL BE PROVIDED BETWEEN THE CORPORATION AND CURB STOPS. CURB STOPS SHALL BE INSTALLED AT AN ELEVATION 12" ABOVE THE TOP SURFACE OF VAULT BOTTOM SLAB.
2. POLYURETHANE CUSHION PAD.
SECTION "A-A"

REFER TO STD. DWG. VAL_003 PAGE 3 FOR DIMENSION TABLE AND GENERAL NOTES.
NOTE:
CUT A "V" SHAPED SYMBOL ON THE NEAREST CURB FACE WITH THE POINT OF THE "V" SYMBOL POINTING TOWARDS THE VALVE LOCATION.
NOTE:

1. RESILIENT SEAT VALVES 4" THRU 12" IN SIZE SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509.

2. C-900 PVC PIPE BELL SECTION SHALL BE USED FOR VALVE STACKS WITH ADJUSTABLE VALVE BOXES.

3. CUT A "V" SHAPED SYMBOL ON THE NEAREST CURB FACE WITH THE POINT OF THE "V" SYMBOL POINTING TOWARDS THE VALVE LOCATION.

TYPICAL VALVE SETTING AND BOX

TYPICAL GATE VALVE INSTALLATION
NOTES:
1. STEEL EXTENSION STEMS SHALL BE USED ONLY WHERE THE MAXIMUM LENGTH OF THE EXTENSION EXCEEDS 2.4 m (7') AND AT THE REQUEST OF THE DISTRICT ENGINEER.
2. EXTENSION STEMS SHALL BE ROUND OR SQUARE STEEL TUBING OF SOLID DESIGN (NO PINNED COUPLINGS PERMITTED).
3. VALVES DEEPER THAN 2.4 m (7') REQUIRE A VALVE STEM EXTENSION.
4. EXTENSION STEMS SHALL NOT BE ATTACHED/BOLTED TO OPERATING NUT OF THE VALVE.
5. TOP OF THE EXTENDED OPERATING NUT SHOULD BE NO HIGHER THAN 3' FROM TOP OF VALVE BOX (FINISHED GRADE).