



VALVE SIZE	CONCRETE DEPTH "D"	CONCRETE WIDTH
10"	27"	52"
12"	32"	63"
16"	37"	74"

- NOTES:
1. DIMENSIONS ARE BASED ON 200 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER (FS=1.5).
 2. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.
 3. ALL CONCRETE SHALL BE 3,000 PSI @ 28 DAYS, READY-MIX ASTM C-94.
 4. DIMENSIONS ARE BASED ON 3,000 PSF SOIL BEARING. IF SOIL OF LESSER BEARING CAPACITY IS ENCOUNTERED, OBTAIN MODIFIED DIMENSIONS FROM THE ENGINEER.
 5. PROVIDE 10 MIL. PLASTIC MEMBRANE WRAP BETWEEN VALVE AND CONCRETE TO PROTECT JOINTS & JOINT ACCESSORIES.
 6. USE DUCTILE IRON PIPE 5 FEET (MIN.) ON EACH SIDE OF A CUT-IN VALVE.

**CITY OF
EMERSON**

WATER & SEWER DEPARTMENT

GATE VALVE

CONSTRUCTION STANDARD

DATE: 8/15/2008

REVISION DATE

REVISION DATE

REVISION DATE

REVISION DATE

STANDARD
DETAIL
NO.

5.02