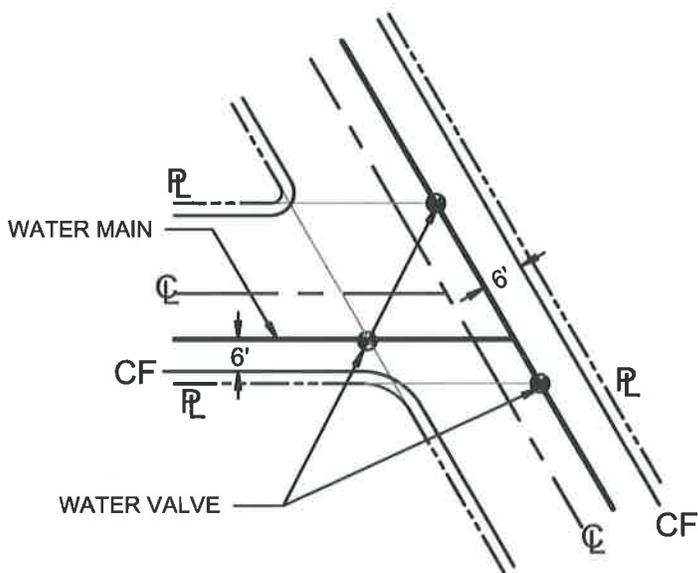
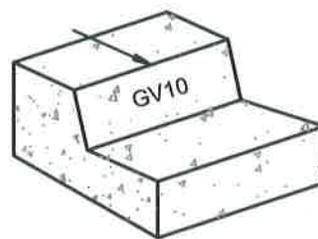


ARTERIAL HIGHWAYS



**LOCAL STREETS/
ALLEYS**



DETAIL A

NOTES: SEE SHEET 2



MAIN LINE WATER VALVES

APPROVED:

Rekhanji
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER
302-0
SHEET 1 OF 2

NOTES:

1. WATER VALVES SHALL BE INSTALLED AT EACH STREET INTERSECTION AND ON EACH PIPE RUN. THE VALVE SHALL BE LOCATED ON THE PROPERTY LINE EXTENDED FOR STREETS AND ALLEYS OR OPPOSITE CURB RETURNS ON ARTERIAL HIGHWAYS, SEE FIGURES ABOVE.
2. THE MAXIMUM DISTANCE BETWEEN VALVES SHALL BE 600' (FEET). VALVES SHALL BE EQUALLY SPACED BETWEEN INTERSECTIONS OR CONNECTIONS.
3. WHERE WATER MAIN IS IN AN EASEMENT, THE MAIN SHALL HAVE A WATER VALVE AT EACH END OF THE EASEMENT.
4. ANY VALVE SET OTHER THAN ABOVE SHALL BE MARKED WITH AN ARROW CHISELED ON THE CURB TOP AND THE MEASUREMENT FROM THE CURB SHALL BE CHISELED ON THE FACE. SEE DETAIL "A" ON SHEET 1.
5. ALL WATER VALVES SHALL BE RESILIENT SEATED GATE VALVES, MANUFACTURED PER AWWA C509. VALVES SHALL BE NON-RISING STEM, OPEN COUNTERCLOCKWISE, WITH MEGALUG JOINTS. VALVES SHALL BE EPOXY LINED AND COATED AND HAVE 316 STAINLESS STEEL HARDWARE.
6. WATER VALVES FOR STATIC PRESSURE OVER 150PSI SHALL BE IRON BODY, BRONZE MOUNTED VALVES (IBBM) PER AWWA C500 OR AS SPECIFIED BY THE CITY ENGINEER.
7. A VALVE BOX AND COVER SHALL BE INSTALLED AT EACH VALVE AND SHALL BE BROUGHT TO FINISH GRADE AT COMPLETION OF PAVING PER CITY OF BREA STD PLAN 309.
8. THRUST BLOCKS OR RESTRAINT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF BREA STD PLAN 312.
9. TAPPING SLEEVES SHALL BE MJ TYPE CONFORMING TO AWWA C110 AND C111. ALL SURFACES SHALL BE EPOXY LINED AND COATED. STAINLESS STEEL TAPPING SLEEVES MUST WITHSTAND A MINIMUM 200 PSI WORKING PRESSURE AND SHALL BE MUELLER H-615 OR H-715 OR EQUAL.

VALVES SHALL BE:

WORKING PRESSURE	ACCEPTABLE VALVES
150 PSI MAX	MUELLER A-2362 E-381 OR APPROVED EQUAL
OVER 150 PSI	MUELLER A-2362 E-381 OR APPROVED EQUAL
TAPPING VALVE	MUELLER H-30455 STAINLESS STEEL FLANGE OR APPROVED EQUAL



MAIN LINE WATER VALVES

APPROVED:

[Signature]
CITY ENGINEER

DATE: 10-15-2013

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SHEET 2 OF 2