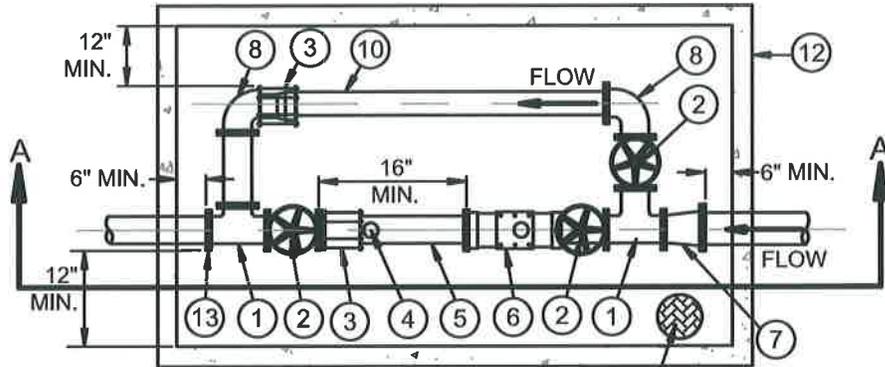


**PLAN VIEW :**



8" DIA. OPEN SUMP WITH FRAME & GRATE

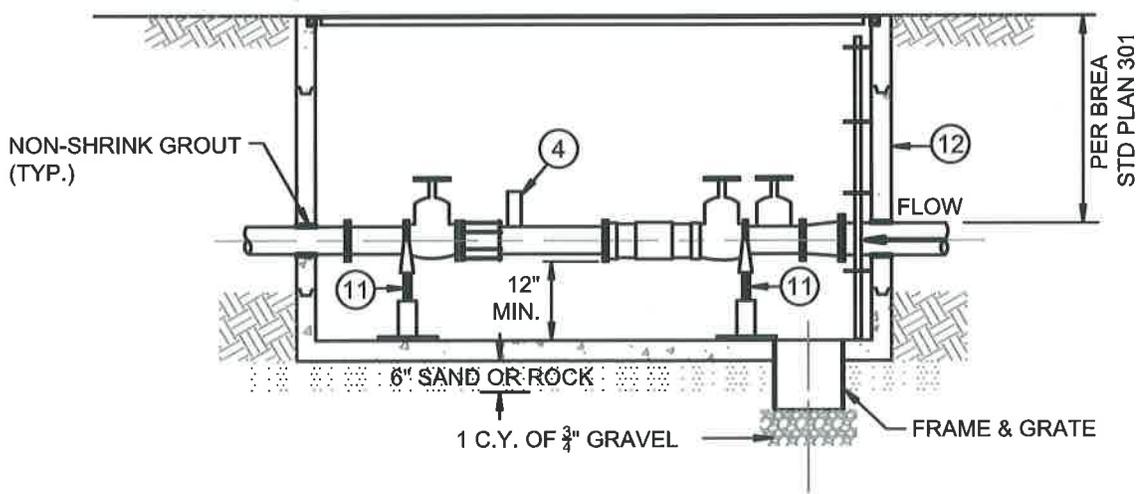
MAINTAINED BY OWNER

MAINTAINED BY CITY

PROPERTY OWNER SHALL DEDICATE WATER EASEMENT TO THE CITY FOR MAINTENANCE PURPOSES

RIGHT OF WAY

**SECTION A-A :**



**DOMESTIC WATER SERVICE (3" TO 6" SIZE)**

APPROVED: *[Signature]*  
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER  
**315-0**  
SHEET 1 OF 3

**NOTES:**

1. METER (TO BE PURCHASED FROM THE CITY OF BREA) AND VAULT SHALL BE INSTALLED PERPENDICULAR TO THE STREET CENTERLINE AND IMMEDIATELY BEHIND THE PROPERTY LINE. THE SERVICE MAIN SHALL BE 6" DIP, AND ALL JOINTS MUST BE RESTRAINED PER BREA STD PLAN 312.
2. THE METER VAULT SHALL HAVE BILCO ALUMINUM SPRING LOADED COVER. THE COVER INCLUDING SUPPORT BEAMS AND SHALL SUPPORT AN H2O TRAFFIC LOADING.
3. THE VAULT SHALL INCLUDE A HOT-DIPPED GALVANIZED LADDER, MEETING OSHA REQUIREMENTS. THE LADDER SHALL BE 16" WIDE, HAVE 3/4" ROUND RINGS @ 12" SPACING, AND SHALL BE BOLTED TO THE SIDE OF THE VAULT. THE LADDER SHALL INCLUDE A SAFETY POST, BILCO TYPE 2 OR EQUAL.
4. BACKFILL AROUND VAULT TO BE COMPACTED TO 90% RELATIVE DENSITY.
5. THE DESIGN ENGINEER SHALL SIZE THE METER TO MEET PROJECT FLOW AND PRESSURE REQUIREMENTS. BACKFLOW PROTECTION MAY BE REQUIRED, OF A TYPE TO BE DETERMINED BY THE CITY ENGINEER.

**LIST OF MATERIALS:**

DESCRIPTION	MANUFACTURER
① TEE, DIP, FL	SEE BREA STD PLAN 301
② RESILIENT SEAT GATE VALVE, WITH HANDWHEEL	SEE BREA STD PLAN 302
③ FLANGED ADAPTOR	DRESSER, STYLE 128, OR EQUAL
④ 2" HALF COUPLING, NIPPLE, BALL VALVE	MUELLER, OR EQUAL
⑤ PIPE, DIP, FL X PR	SEE BREA STD PLAN 301
⑥ METER (READS IN 100 CUBIC FEET)	MUELLER SYSTEMS, OR EQUAL
⑦ REDUCER, DIP, FL (4" METERS ONLY)	SEE BREA STD PLAN 301
⑧ 90° BEND, SHORT RADIUS, DIP, FL	SEE BREA STD PLAN 301
⑨ PIPE, DIP, FL X FL	SEE BREA STD PLAN 301
⑩ PIPE, DIP, FL X PE	SEE BREA STD PLAN 301
⑪ PIPE SUPPORT (2 PLACES)	GRINNELL, FIG 264, OR EQUAL
⑫ VAULT, SEE NOTES 3, 4, & 5	QUIKSET 350 OR 650 BROOKS 700 SERIES, OR EQUAL
⑬ RESTRAINT JOINT	EBAA, UNIFLANGE, OR EQUAL

VAULT ABANDONEMENT: SEE SHEET-3



**DOMESTIC WATER SERVICE (3" TO 6" SIZE)**

APPROVED:

*[Handwritten Signature]*  
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

**315-0**

SHEET 2 OF 3

VAULT ABANDONEMENT ON STREET:

1. BREAK BOTTOM OF VAULT.
2. REMOVE VAULT 3 FEET BELOW GRADE.
3. FILL VAULT WITH 1-1/2 SACK SLURRY.
4. REPLACE ASPHALT SECTION (THICKNESS PLUS ONE (1) INCH), AND AS DIRECTED BY CITY ENGINEER.

VAULT ABANDONEMENT ON LANDSCAPING/ DIRT AREA:

1. BREAK BOTTOM OF VAULT.
2. REMOVE VAULT 3 FEET BELOW GRADE.
3. FILL VAULT WITH  $\frac{3}{4}$ " GRAVEL, 3 FEET BELOW GRADE.
4. FILL UPPER 3 FEET WITH NATIVE SOIL COMPACTED TO 95% OR BETTER.



**DOMESTIC WATER SERVICE (3" TO 6" SIZE)**

APPROVED:

*Red Briggs*  
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

**315-0**

SHEET 3 OF 3