1" RESIDENTIAL WATER SERVICE
WITH FIRE SPRINKLERS

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING
NO. 723

DATE: 6/15/10

SHEET 1 OF 2

1" Brass Tee
1" Curb Stop with Lock Wings
1" Brass Plug
Piping to Fire Sprinklers

PLAN (N.T.S.)
FIRE SPRINKLERS CONNECTION

1" X 1-1/4" X 24" Prepackage
Zinc Anodes

Place prepackage Zinc Anode
against trench wall so as to
maximize horizontal distance
between the copper and the
anode. Anodes shall be high
purity Zinc meeting ASTM B418,
Type II.

NOT TO SCALE

Anode lead wire,
Leave 12" of coiled
wire in meter box

1" diameter tubing
from corporation stop
to curb stop.

No kinks on
Goose neck

3/4" Drain Rock

R = 12" min.

10-3/4" to 11-1/4"

12"

6"

Reading Lid
Curb Stop
(locking)

See Note #1

Customer Service

42" min.

42" min. (48" non street areas)

Sidewalk

Corporation Stop

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

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MATERIALS:

A. Service Saddle shall be Mueller BR2B or approved equal.

B. Curb stop, coupling, three part union, meter outlet fitting and meter box shall be per approved equal list. Corporation stop shall be Insulated Mueller N-35008 or approved equal.

C. Service pipe shall conform to A.S.T.M. Class K, soft annealed, seamless copper tubing.

D. Angle meter stop, Mueller 14276 or approved equal.

E. Meter boxes shall be Christy B16 BOX and B16G lid, or approved equal with the word "Water" imprinted on the lid and Christy B9 Meter box with B9D lid (or approved equal) for the sprinkler connection.

F. Brass grounding clamp, coated with 3M electrical compound, with brass bolts and brass set screw.

NOTES:

1. Customer service end shall be 1" Mueller H-10871 insulated coupling or approved equal.

2. Water meter with Automatic Remote Read Transmitter Register shall be furnished and installed by the City at the expense of the customer.

3. Meter box shall be set as detailed at the time the service is installed unless otherwise specified by the City Engineer.

4. Where a separated sidewalk occurs, meter box shall be installed 6" from back of curb.

5. Where more than one domestic water meter is required; each meter shall be identified with permanent durable markings to indicate which address, building, tenant space that each meter serves (i.e. brass tag stamped with address).

6. Meter box side openings shall be grouted.

7. Where meter box is located in driveways, box shall be furnished with steel traffic cover. (Christy B16-61G or approved equal)

8. This detail is applicable to laterals serving 1 or 2 dwelling units only on same property.