

Tucson Water
Standard Specifications and Details
2017 Edition
Engineering Directive No. 4

EFFECTIVE DATE: January 1, 2020

SUBJECT: SD-340 System Installation Outside Public Right of way

STATEMENT OF PURPOSE: Provide clarification of the secondary valve for private fire services as stated in Standard Detail 500.

GENERAL PROVISION: Standard Detail 340 provides information for water services, fire hydrants and fire services. The fire service requires a secondary valve at the edge of the water easement, right of way or utility easement. The secondary valve provides an accurate location determining the end of Tucson Water’s responsibility and the start of the customer’s responsibility. The property line is the boundary between the private plumbing and the public infrastructure surveyed per section 0215 for new construction. All infrastructure up to and including the secondary valve shall be the responsibility of Tucson Water. All infrastructure on the customer side of the valve shall be considered private and therefore the responsibility of the customer.

PROCEDURAL RESPONSIBILITY: The Engineering Administrator for Tucson Water and/or designated representative(s) are responsible for the enforcement of this Directive and the associated standards.

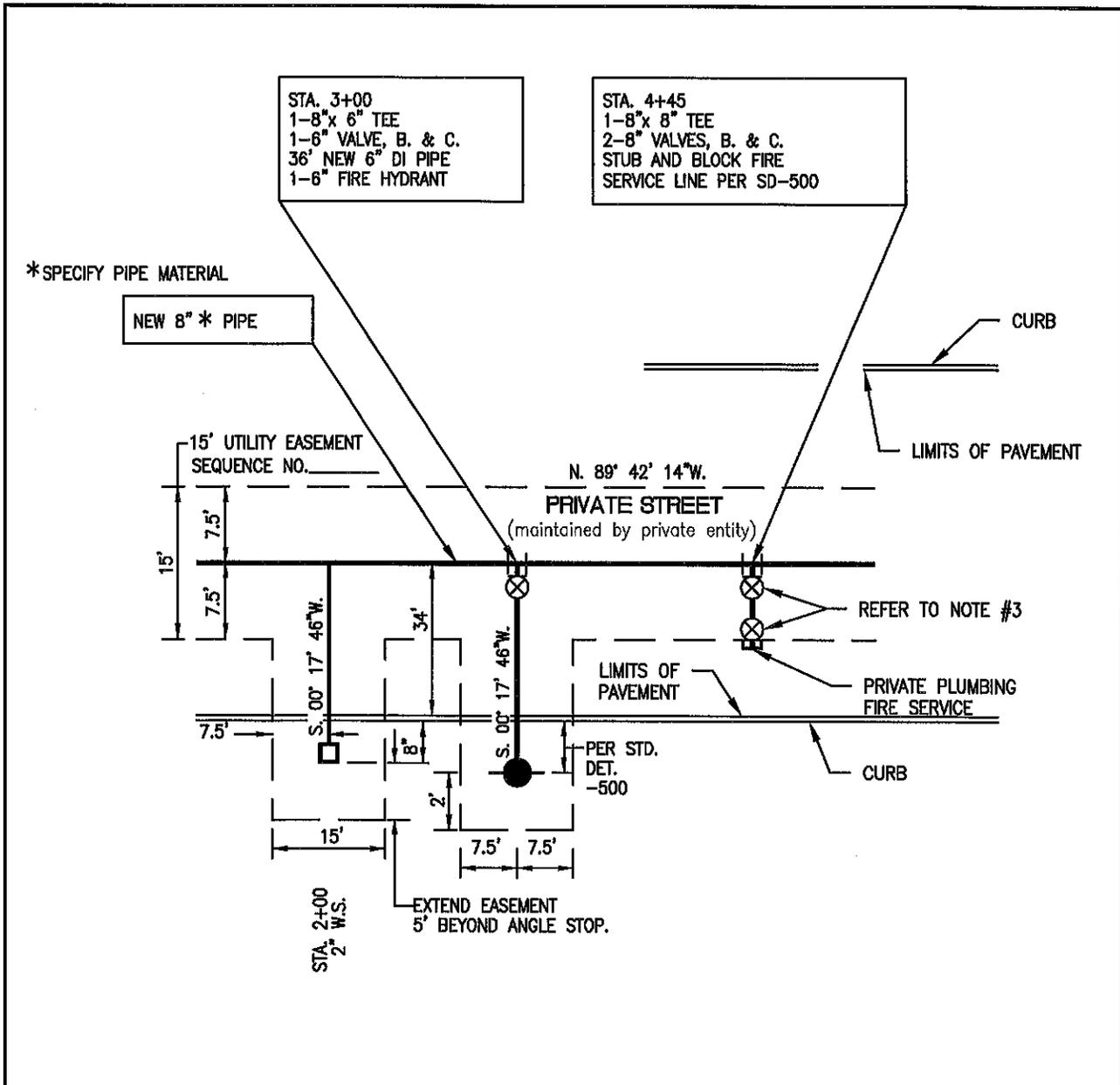
RECOMMEND

Gabriel Hernandez
Specifications Coordinator
Planning and Engineering

CONCUR

Timothy M. Thomure, PE, ENV SP
Director of Tucson Water

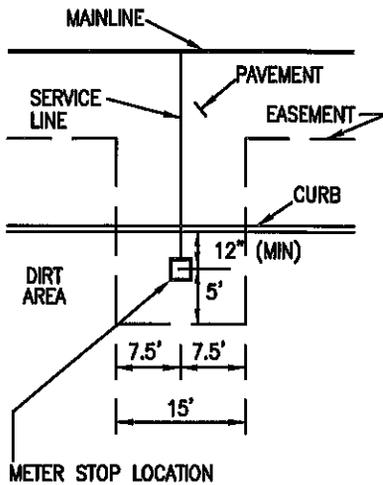




NOTES:

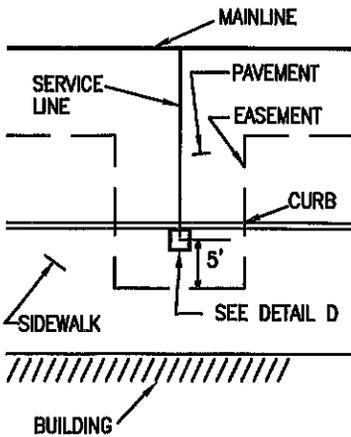
1. Details as shown reflects the minimum amount of information which shall be required prior to acceptance of plans. Coordinate with Tucson Water for additional requirements.
2. Bearings and distances shall be shown on the plans exactly as described in the legal descriptions. Plans shall also show the "true point of beginning" per the legal description.
3. For fire services, SEE SD 500, SHEET 4 OF 8. A secondary valve shall be installed at the edge of water easement, utility easement, ROW, etc. To distinguish the end of Tucson Water and the beginning of the private fire service.

ISSUED:		STANDARD DETAIL SYSTEM INSTALLATION OUTSIDE PUBLIC RIGHT-OF-WAY		DETAIL NO.
6/97				SD-340
REVISED:				
01/20				SHEET 1 OF 2



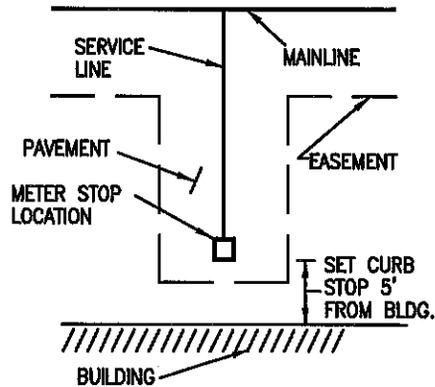
DETAIL A
(NORMAL INSTALLATION)

ANGLE METER STOP LOCATION SHALL BE INSTALLED ADJACENT TO BACK OF CURB IN SIDEWALK. SET METER BOX AND COVER FLUSH WITH SIDEWALK. PLACE BITUMINOUS MATERIAL BETWEEN METER BOX AND CONCRETE SIDEWALK.



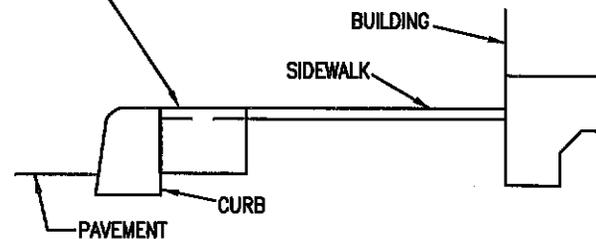
DETAIL C
(FOR INSTALLATION BEHIND CURB IN SIDEWALK AREA)

METER LOCATIONS IN PAVED AREAS ARE TO BE AVOIDED. WHEN NECESSARY HOWEVER; THE METER BOX SHALL BE CAST IRON OF THE APPROPRIATE SIZE AND PLACED OUTSIDE TRAVELED AREAS, PARKING AREAS, OR LOADING RAMPS.



DETAIL B
(IN PAVEMENT BEHIND BUILDING WITHOUT CURB OR SIDEWALK)

METER BOX LOCATION (GENERALLY IN SHOPPING CENTERS) WHERE SIDEWALKS ARE JOINING CURB. SET METER BOX AND CAST IRON COVER FLUSH WITH TOP OF CURB AND SIDEWALK. PLACE BITUMINOUS MATERIAL BETWEEN METER BOX AND CONCRETE CURB AND / OR SIDEWALK.



NOTE:

A MINIMUM 5 FOOT STRIP EASEMENT SHALL BE REQUIRED FOR TOWNHOUSE AREAS.

DETAIL D

ISSUED:		STANDARD DETAIL SYSTEM INSTALLATION OUTSIDE PUBLIC RIGHT-OF-WAY		DETAIL NO.
6/97				SD-340
REVISED:				SHEET 2 OF 2
9/08				