



G.C.S.D, Services - 209 / 962-7161
Fax - 209 / 962-4943
Fire Department - 209 / 962-7891
www.gcsd.org

water • fire protection • parks • wastewater collection & treatment

18966 Ferretti Road P.O. Box 350 Groveland, CA 95321-0350

APPLICATION FOR WATER SERVICE AND METER INSTALLATION

Application for water service must be made on this form. Meter size and installation costs will be determined by District based on projected water use and actual installation costs:

Name _____ Owner Contractor

Billing Address _____

Service Address _____

Phone _____ Unit _____ Lot _____ Assessor's Parcel No _____

Water well on property? Yes No Date Service Required: _____

Meter Size Requested: () 5/8" X 3/4" () 3/4" X 3/4" () 1" () 1 1/2" () 2" () Other

This application must be accompanied by a **building permit, approved fire sprinkler drawings, and plot plan.**

By signing this application, applicant agrees to observe all District regulations now or hereafter adopted related to water service and to pay water bills promptly. ***The fixed monthly rate and water consumption charges begin at the time the meter is installed.***

Fee: _____

Cash _____

Check No. _____

Install Date _____

Service Request No _____

Signature of Applicant Date

Signature of Owner Date

GCSD Authorization Date

WATER SERVICE AND INSTALLATION CHARGES - GCSD ORDINANCE NO. 2-17

Application for water meter only (there is existing water service to the property). Standard charges for water meter, application fee and participation fee shall be as follows:

Meter Size	Application Fee	Meter Install Charge	Participation Fee	Total	Monthly Fixed Service Charge
5/8" X 3/4"	42.00	250.00	1,827.00	2,119.00	39.64
3/4" X 3/4"	42.00	275.00	1,827.00	2,144.00	39.64
1" X 1"	42.00	325.00	3,106.00	3,473.00	63.43
1 1/2"	42.00	515.00	6,584.00	7,141.00	103.07
2"	42.00	645.00	9,684.00	10,371.00	138.74

Application for water service tap, meter box and water meter (requires water service tap to property). The minimum charge for any water service tap with box and fittings installed by the District shall be \$400.00 or actual cost, whichever is greater. The typical installation ranges from \$400 to \$1,200.

FOR GCSD STAFF USE ONLY:

Meter Size _____

Application Fee _____

Meter Install Fee _____

Participation Fee _____

Total Meter Installation Cost _____

Basic Service Tap Charge _____

Service Tube Size (Distance from Main) _____

Angle Meter Stop (Type & Size) _____

Meter Box and Size _____

Road Encroachment and Paving _____

Other Costs, specify _____

Total Estimated Costs for Service Tap (Deposit) _____

Authorized: GCSD _____ Date _____

FIRE SPRINKLER SYSTEMS

All **NEW** construction in California requires Fire Sprinklers be installed. All fire sprinkler systems must be designed by an engineer and approved by the County Fire and Building Departments. The designing engineer will determine the required fire flow (volume of water) needed for the system and specify what size water meter the new connection will need. The District is not involved in determining the meter size or required fire flow.

1. What information does the system designer need?

a. Static PSI _____

b. Size of Main _____

c. Size of Service Tube _____

d. Other _____

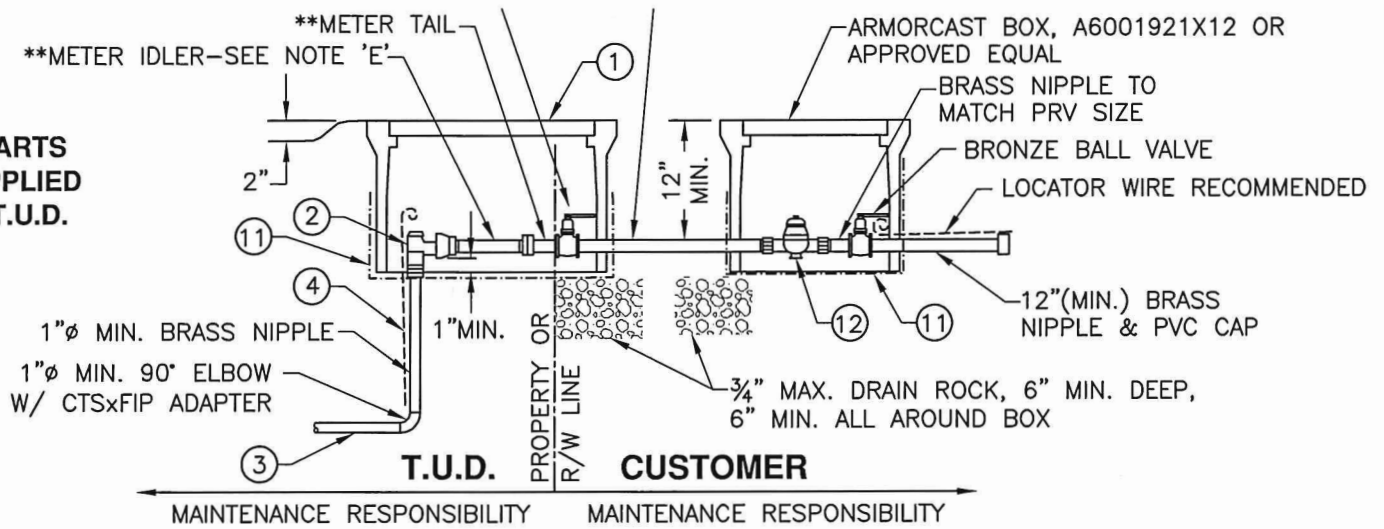
2. Will the system have Anti-Freeze in any portion? YES/NO

3. If no Anti-Freeze in system, will the system be connected to an active plumbing fixture such as a master bath area? If so, please provide plumbing plans detailing connection.

4. Does the property have a well? YES/NO

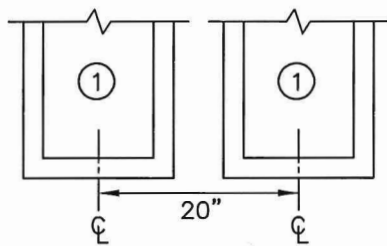
Once any requested information is provided to the system designer they will inform the District on the requested meter size. Please note a Backflow Prevention Device, at an additional cost plus annual testing may be required.

**** PARTS
SUPPLIED
BY T.U.D.**

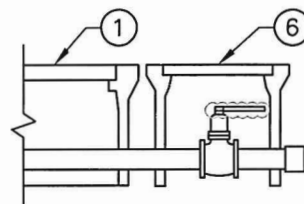


WATER SERVICE AND PRESSURE-REDUCING VALVE

INSTALL SERVICE WITH PRV WHERE CALCULATED STATIC INLET PRESSURE IS 80 PSI OR GREATER.



WATER SERVICE BOX SEPARATION



2" SERVICE

VALVE INSTALLED IN G5
BOX; BOX SUPPLIED
BY CONTRACTOR

NOTES

- A. SERVICES SHALL BE LOCATED OUT OF TRAVELED WAY (INCLUDING SHOULDERS) UNLESS APPROVED BY T.U.D.
- B. SERVICES LOCATED WITHIN THE TRAVELED WAY SHALL HAVE A 6" WIDE (MIN.) BY 15" DEEP CONCRETE COLLAR.
- C. ONE METER PER BOX ONLY.
- D. FOR DOUBLE, TRIPLE, OR QUADRUPLE SERVICE, USE BRASS PIPE FOR MANIFOLD BELOW ANGLE STOPS, SAME SIZE AS SERVICE PIPE.
- E. METERS WILL BE SET BY T.U.D. AFTER APPLICATION IS SIGNED AND FEES ARE PAID.
- F. USE POLYETHYLENE SERVICE TUBING CONTINUOUS FROM MAIN TO ANGLE STOP OR GATE VALVE, 1"Ø FOR SINGLE SERVICE, 1½"Ø FOR DOUBLE SERVICE, AND 2"Ø FOR TRIPLE & QUADRUPLE SERVICE.
- G. SERVICE SADDLES SHALL BE 3 FT. MIN. FROM PIPE FITTINGS, JOINTS AND TAPS.
- H. PER SECTION 64591 OF THE CALIFORNIA WATERWORKS STANDARDS, ALL ITEMS IN CONTACT WITH POTABLE WATER SHALL BE CERTIFIED AS MEETING THE SPECIFICATIONS OF NSF61-2005.
- I. CONTRACTOR SHALL BE RESPONSIBLE TO PRESSURE TEST ALL PIPE, VALVES & FITTINGS UP TO THE ANGLE STOP.

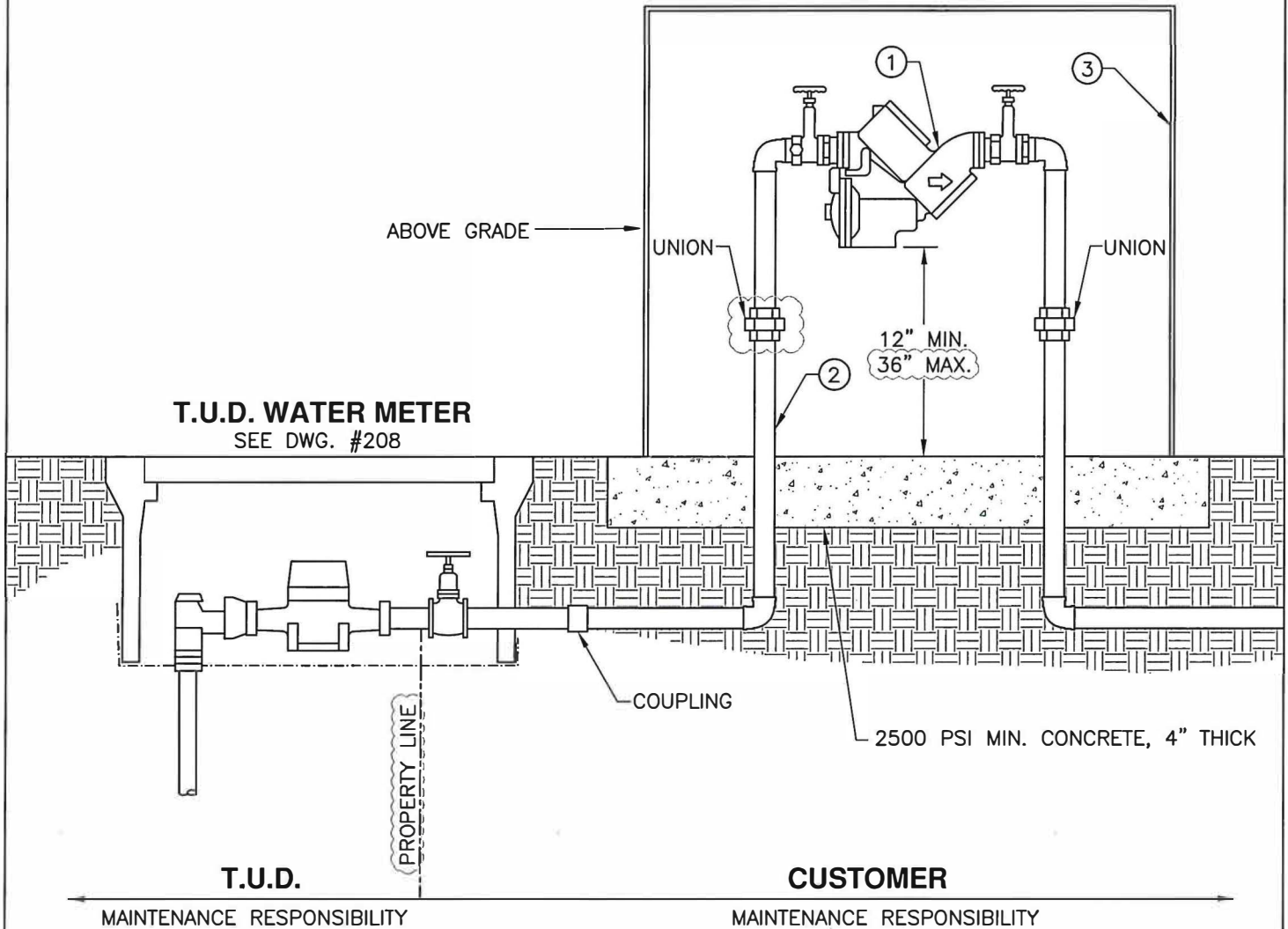
ITEM	DESCRIPTION	REMARKS
①	¾" OR 1" METER: ARMORCAST-ROTOCAST BOX P6000492X12 W/ARMORCAST LID #A6000489T-CVTY 1½" OR 2" METER: ARMORCAST-ROTOCAST BOX P6001534TX12 W/ARMORCAST LID #A6000947T-CVTY	
②	LOCKABLE ANGLE STOP FOR ¾" OR 1" METER: LOCKABLE ANGLE STOP FOR 1½" OR 2" METER:	FORD BA13-444W-NL FORD BFA13-666W-NL OR BFA13-777W-NL
③	POLYETHYLENE SERVICE TUBING,"CTS" 200 PSI MIN.	CENTENNIAL CENFLOW, OR APPROVED EQUAL, SEE NOTE 'F'
④	#12 AWG INSULATED LOCATOR WIRE	SINGLE STRAND COPPER, SEE DWG. #102
⑤	SERVICE SADDLE, MATCH TUBING SIZE, NOTE 'F'	FORD FCD202, JCM404 OR APPROVED EQUAL
⑥	TRAFFIC VALVE BOX MARKED "WATER"	CHRISTY G5 BOX W/G5C LID OR APPROVED EQUAL
⑦	2" RESILIENT WEDGE GATE VALVE, EPOXY COATED	AMERICAN AVK45 OR APPROVED EQUAL (2" SERVICE)
⑧	2" MIP x CTS ADAPTER (BRASS)	MULTIPLE SERVICES ONLY
⑨	CORPORATION STOP, 1"Ø MIN. MATCH TUBING SIZE (MALExMALE)	1" SERVICE: FORD FB500-4-NL OR APPROVED EQUAL 1.5" SERVICE: FORD FB500-6-NL OR APPROVED EQUAL
⑩	FEMALExCTS PACK JOINT COUPLING	1" SERVICE: FORD C14-44 OR APPROVED EQUAL 1.5" SERVICE: FORD C14-66 OR APPROVED EQUAL
⑪	¼" HARDWARE CLOTH (GALV.)	MUST COVER ALL ACCESS HOLES
⑫	PRV W/DOUBLE UNION, SIZE TO MATCH METER, 1" MIN.	1" PRV: WATTS #LFX65BDU OR EQUAL 1.5" OR 2" PRV: WATTS #LFX65BDU OR EQUAL

USE THIS DETAIL FOR T.U.D. PROJECTS WITH EXISTING RESIDENCES

COMMON REDUCED-PRESSURE BACKFLOW DEVICES
(MUST BE CERTIFIED LEAD FREE):

FBCO-825Y
WATTS-LF009 SERIES
WILKINS-975XL

REDUCED-PRESSURE BACKFLOW DEVICE



NOTES

- A. REDUCED-PRESSURE BACKFLOW ASSEMBLY SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE T.U.D. WATER METER WITH NO TEES OR CONNECTIONS BETWEEN THEM.
- B. FITTINGS, JOINTS, BOLTS AND NUTS ARE TO BE COVERED WITH PLASTIC SHEETING (4 MIL THICK MIN.) OR 10 MIL. TAPE PRIOR TO PLACEMENT OF CONCRETE. NO CONCRETE TO BE ALLOWED ON BOLTS OR PIPE.
- C. WRAP ALL UNDERGROUND GALVANIZED PIPE WITH 10 MIL. TAPE.
- D. IF SOLID ENCLOSURE IS USED, MAINTAIN 12" MIN. CLEARANCE AROUND TEST-COCKS.

ITEM	QTY	DESCRIPTION	REMARKS
①	1	REDUCED-PRESSURE BACKFLOW PREVENTION ASSEMBLY	BRAND/MODEL PER STATE WATER BOARD SPECIFICATIONS
②	1	BRASS OR GALVANIZED IRON PIPE	SIZE VARIES, SEE NOTE 'C'
③	1	INSULATED PROTECTIVE ENCLOSURE	WEATHERGUARD BLANKET OR EQUAL, SEE NOTE 'D'

REV. 01-22-18
STD. DWG. NO.

REDUCED-PRESSURE BACKFLOW PREVENTION ASSEMBLY

217

T.U.D. CUSTOMER

MAINTENANCE RESPONSIBILITY

MAINTENANCE RESPONSIBILITY

4" MIN. CLEARANCE FROM TOP OF PIPE TO BOTTOM OF LID

SEE DWG. #201 FOR UTILITY BOX INSTALLATION

CONCRETE COLLAR AROUND BOX MAY NOT BE REQUIRED IN UNPAVED AREAS PER T.U.D. INSPECTOR

36" MIN.

TRENCH, SEE DWG. #102

10' MIN.

45° MAX.

NO TEES ALLOWED

ELBOW AS NEEDED

SLOPE = 1/4" PER FOOT MIN.

LOCATOR WIRE RECOMMENDED

NOTES

- A. LOCATE CLEANOUTS OUTSIDE TRAFFIC AREAS IF POSSIBLE.
- B. BACKFLOW PREVENTION IS REQUIRED FOR CLEANOUT AT PROPERTY, RIGHT-OF-WAY OR EASEMENT LINE.
- C. PLACE 1 CU.FT. MIN. OF CONCRETE OR 2 CU.FT. OF WELL-COMPACTED BEDDING MATERIAL UNDER THE ENTIRE LENGTH OF THE WYE BRANCH, FITTING OR ANY UNSUPPORTED PIPE. WHEN BEDDING MATERIAL IS USED, PLACE ADDITIONAL MATERIAL TO TOP OF BEND FOR THE FULL WIDTH OF THE TRENCH.
- D. A "CARSON" PLASTIC BOX CAN BE USED IN PLANTER AREAS WITH PRIOR T.U.D. APPROVAL.
- E. A 4-INCH LATERAL IS ACCEPTABLE FOR A DOUBLE SERVICE.
- F. FLUSHING BRANCH SHALL BE END-OF-LINE CLEANOUT, SAME SIZE AS MAIN, WITH STREET 90° OR (2) 45° ELBOWS.

ITEM	QTY	DESCRIPTION	REMARKS
①	1	UTILITY BOX WITH LID MARKED "SEWER"	CHRISTY B30 OR (2) G5, SEE NOTE 'D'
②	1	EXPANSION PLUG	PASCO HAND-TIGHT OR APPROVED EQUAL, SEE NOTE 'C'
③	2	STREET 45°	SDR35 PVC PIPE
④		#12 AWG INSULATED LOCATOR WIRE	SINGLE STRAND COPPER, SEE DWG. #102
⑤	2	WYE	SDR35 PVC PIPE
⑥		SINGLE SERVICE: 4" MIN., DOUBLE SERVICE: 4" MIN., MAIN-LINE CLEANOUT: SAME SIZE AS MAIN	SDR35 PVC PIPE
⑦	1	4"x4" SWRxDWV REDUCER	PTI #P657, USE ABS TO SDR GLUE
⑧	1	2 FT. STUB WITH GLUED CAP	ABS-DWV OR OTHER BUILDING CODE APPROVED MATERIAL
⑨	1	SEWER RELIEF POPPER (SEE NOTE 'B')	PLUMBEST (POPPER), UHS (HOMESAVER FLIP TOP) OR APPROVED EQUAL
⑩	1	PVC OR SADDLE WYE, DFW/HPI, FLEXIBLE RUBBER, REQUIRED IF EXISTING WYE NOT FOUND	