



PENNSYLVANIA  
AMERICAN WATER

WE KEEP LIFE FLOWING™

If you're building a new home or business, or expanding your current facilities, and would like to have water service supplied to your new property, this document will help guide you through the process.



# NEW WATER SERVICE INSTALLATION GUIDE



## NEW WATER SERVICE PROCESS AT A GLANCE

- **Submit New Service Application**
- If approved, discuss requirements with Pennsylvania American Water representative
- Install service line and meter pit or vault to meet specifications
- Install proper backflow protection
- Activate your water service

04-2018

Congratulations on your new building project. We look forward to providing you with water service. Below is a helpful packet of information that will guide you through the process of obtaining water service to your new property. By following these instructions, it will also help to expedite the process and installation of your new water service. Please begin this process well in advance of when you'd like your water service to start to allow ample time to meet all requirements.

NOTE: This document is meant to be a guide. There may be local requirements that this document would not address. Please work closely with our team throughout the process to ensure the project meets all requirements and runs smoothly.

### STEP 1: NEW SERVICE APPLICATION

**Proper application must be submitted and made in writing.** Please mail or email the completed forms to the local **New Service Contact for your area:**

Name \_\_\_\_\_

Address \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_

**Please note: If water service can be provided, a \$30.00 activation fee will be added to the individuals account when the first bill is issued**



**SERVICE. ONE MORE WAY WE KEEP LIFE FLOWING.**



## SHARED SERVICE LINES NOT ALLOWED

Our Tariff Rule 18.1, as approved by the Public Utility Commission, states: “Each meter serving a premise or multiple premises shall be supplied through an independent service pipe from a separate control valve or valve box unless specifically approved and authorized by the Company.” This means that a separate water service line is required for each meter setting. Customers cannot split a service line after the control valve to supply water service to more than one meter.

## STEP 2: INSTALL SERVICE PIPE AND METER PIT OR VAULT

### SERVICE PIPE REQUIREMENTS

Once your application has been received and approved, the local New Service Contact will contact you to discuss the new service connection process. The first step will be for the applicant to have a service pipe and meter pit or vault installed according to all water company specifications. The service pipe is the pipeline you own and are responsible for maintaining, which connects your in-home plumbing to the company’s control valve (curb stop). Please refer to Pennsylvania American Water’s service pipe specifications drawing for more information.

- The applicant’s service pipe must be installed to the company-approved curb stop location, and the end of the service pipe must be clearly marked by the applicant. Please work with your local New Service Contact to determine the best location and to obtain the minimum coverage requirements (depth of service pipe to make sure it is below the frost line.)
- The portion of the service line from Pennsylvania American Water’s main to the control valve will be installed, owned and maintained by and at the expense of the Pennsylvania American Water.
- The portion of service pipe on the applicant’s property, from the control valve, to the meter and into the premise being served, will be installed, owned and maintained at the expense of the applicant or owner.
- The applicant’s service pipe must be a minimum of 3/4-inch in size and must be material that meets local building codes. Please note: if you are installing a sprinkler system or lawn irrigation system, you may be required to install a larger service connection or a separate service connection. Please contact the New Service Contact for the approved materials or with any questions you may have.
- Once the service pipe is installed, along with the meter service pit or vault, please notify Pennsylvania American Water New Service Contact to begin the process of connecting your service pipe to our water main. All connections to our water main must be completed by Pennsylvania American Water authorized crews. This procedure may take up to eight weeks. Please provide ample notification so that we can meet your needs.

### METER PIT/VAULT REQUIREMENTS

All new water service requests require the installation of a water meter pit or meter vault. This houses the meter equipment. It is the applicant’s responsibility to purchase, install, maintain and own the water meter pit or vault. Please refer to our meter drawings for more information on our specifications.

- All water used through the service pipe will be metered. The water company will provide and install a meter for each customer without charge. It is the responsibility of the customer to protect the meter from misuse or damage (including freezing) any expense for repair or replacement is the customer’s responsibility.



PENNSYLVANIA  
AMERICAN WATER



## THE VALUE OF WATER SERVICE IS UNBEATABLE!

You can have just about anything delivered to your home these days, but what, other than tap water service, costs a penny? Pennsylvania American Water provides water service that meets or surpasses all state and federal drinking water regulations and delivers it directly to your tap around the clock – a great value to have a service so essential available at your fingertips any time, day or night.

- The specific location of the meter pit or vault will be determined by the water company and shall be readily accessible and protected by the customer or owner. The meter pit is generally installed at the applicant's property line along the public right of way; however, site limitations will factor into the location of the pit or vault. Please contact your New Service Contact if the location has not been provided.
- A stop and waste valve is required at the point of entry where the service pipe enters the home or business.

When the static water pressure exceeds 100 psi, the applicant must install and maintain a pressure reducing valve at his/her own expense. The required location for the pressure reducing valve is prior to the meter. Please refer to the specifications on page 7.

### STEP 3: INSTALL PROPER BACKFLOW PROTECTION

#### Backflow Protection Device Requirements

All customers are required to install proper backflow prevention at the meter pit/vault or at the point of entry where your service pipe enters your home or facility. **If we find that proper backflow is not installed upon inspection, you will be required to install the correct device before receiving water service.** For more information on approved backflow devices and installation requirements, please contact Pennsylvania American Water's Backflow Department at 1-877-290-1769, so we will have your local backflow specialist get in contact with you.

### STEP 4: ACTIVATE YOUR WATER SERVICE

The final step is to activate the service. After the service connection has been made by the company and you have installed the service pipe and meter pit or vault according to the specifications and have a backflow device properly installed, the next step is to schedule an appointment with Pennsylvania American Water to have the meter installed. This can be done by contacting our Customer Service Center at 1-800-565-7292, Monday-Friday, 7 a.m. to 7 p.m. Please be sure to inform the customer service representative that a water service application has been filed, an account has been created and inform the representative of the correct address of service. Please note: if your meter is 4 inches or larger, please contact your New Service Contact to make an appointment.



#### UNAUTHORIZED USE

Use of jumpers or spacers and/or operating the control valve (curb stop) to obtain water service is considered theft of service and is illegal.



PENNSYLVANIA  
AMERICAN WATER



## FREQUENTLY ASKED QUESTIONS AND ANSWERS

### **Are you calling to get a new service in an existing building or a new lot?**

New service or upgrade refers to a applicant who needs service for new construction on a vacant lot or where an existing service is in need of an upgrade for increased demand.

### **How much time does it take for Pennsylvania American Water to install its service line?**

Once the applicant has completed the application process and the applicant portion of the service pipe is completed; it usually takes up to eight weeks.

### **Do I need a water pressure regulator?**

If your water pressure will exceed 100 pounds per square inch (psi), you will be required to install a pressure regulator. If you need assistance determining the pressure at your location, please contact the local New Service Contact.

### **Do I need to have an inspection performed before I back fill?**

Please check your local plumbing code.

### **Who supplies the meter?**

Pennsylvania American Water supplies the meter.

### **Can I add additional meters to an existing service?**

No. The company does not allow additional meters on one service pipe. There must be a separate service pipe for each meter.

### **Does the water company install my service pipe?**

No. The applicant is responsible for installing the service pipe from the new home or business to the company-approved curb stop location.

### **Is there a tap in fee?**

No, provided that a water company main abuts your property. If a main does not abut your property, a main extension agreement would be required. For more information, please contact Customer Service Center at 1-800-565-7292.

### **Do I need fire service?**

Please check with your local municipality pertaining to fire protection requirements. A fire sprinkler system will require the installation of a backflow prevention assembly. If you are required to install a fire sprinkler system, our Backflow Prevention Specialist can assist you in determining what type of backflow assembly is required.

### **What if I want a fire alarm system?**

This does not pertain to your water service unless you are installing a fire sprinkler system.

### **What if I want lawn irrigation?**

Lawn irrigation may require a larger service connection or a separate service connection and will require the installation of a reduced pressure zone backflow prevention assembly.

### **Will I pay sewage charges for water used by my lawn irrigation system?**

This depends on several factors including if you area billed for wastewater service based on how much water you use. Please contact your sewer service provider for more information. If Pennsylvania American Water provides the wastewater service in your area, please contact our Customer Service Center for more information at 1-800-565-7292.

# WATER SERVICE APPLICATION



Please complete Property, Applicant and Signature sections below to apply for water service.  
Thank you for the opportunity to be your water service provider.

## PROPERTY TO BE SERVED

Municipality \_\_\_\_\_  
House # \_\_\_\_\_ Street Prefix \_\_\_\_\_ Street Name and Suffix \_\_\_\_\_  
Apt/Lot # \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Sewage Authority \_\_\_\_\_  
Type of Service:  Residential  Commercial  Industrial  Other \_\_\_\_\_  
Type of Heat:  Hot Water  Forced Air  Other \_\_\_\_\_

## APPLICANTS' INFORMATION

Name (first, middle, last) \_\_\_\_\_  
Phone \_\_\_\_\_ Cell \_\_\_\_\_ Email \_\_\_\_\_  
Name (first, middle, last) \_\_\_\_\_  
Phone \_\_\_\_\_ Cell \_\_\_\_\_ Email \_\_\_\_\_  
Mailing Address (if different than service address listed above) \_\_\_\_\_

**(I)(We), the applicant(s) for water service from Pennsylvania American Water have read and understood the above application. (I)(We) will be jointly and severally bound by this application to pay and one-time fee of \$30 to cover the cost of setting up (my)(our) account which will be added to your first bill. DO NOT SEND CHECK WITH THIS APPLICATION.**

**PLEASE READ ABOVE STATEMENTS BEFORE SIGNING.**

## SIGNATURES

Applicant for Service \_\_\_\_\_ Date \_\_\_\_\_  
Applicant for Service \_\_\_\_\_ Date \_\_\_\_\_

## FOR OFFICE USE ONLY

Premise No. \_\_\_\_\_ NSI Account No. \_\_\_\_\_ PWSID \_\_\_\_\_  
Usage Data \_\_\_\_\_ BP Name and Number \_\_\_\_\_ AW Area \_\_\_\_\_ District Code \_\_\_\_\_  
Work Order \_\_\_\_\_ Service Tap Date \_\_\_\_\_ Tap Size \_\_\_\_\_ Service Size \_\_\_\_\_  
Type of Service:  Residential  Commercial  Industrial  Other \_\_\_\_\_  
Meter Route \_\_\_\_\_ Meter Stop \_\_\_\_\_ Meter No. \_\_\_\_\_ Meter Size \_\_\_\_\_ # of Dials \_\_\_\_\_  
Meter Set Date \_\_\_\_\_ Meter Set Reading \_\_\_\_\_ Meter Location \_\_\_\_\_  
Meter Read Instructions \_\_\_\_\_  
Additional Notes \_\_\_\_\_  
Rate Code \_\_\_\_\_ Sewage Code \_\_\_\_\_ Distribution Zone \_\_\_\_\_ Engineering Area \_\_\_\_\_  
Copy to:  Dispatch  Call Center  Work Order File  \_\_\_\_\_  \_\_\_\_\_

# WATER CUSTOMER DATA SHEET



Customer Name: \_\_\_\_\_ Address: \_\_\_\_\_

Subject Property Address (if different than above): \_\_\_\_\_

Type of Occupancy: \_\_\_\_\_ No. of Floors: \_\_\_\_\_

Average daily demand: \_\_\_\_\_ gallons per day (gpd) Maximum daily demand: \_\_\_\_\_ gpd

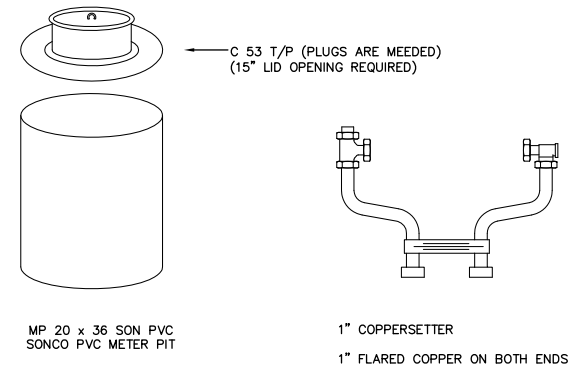
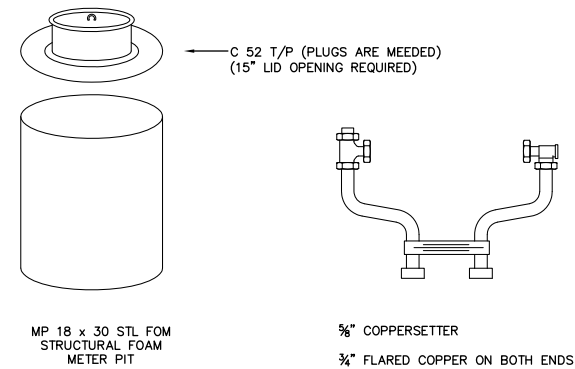
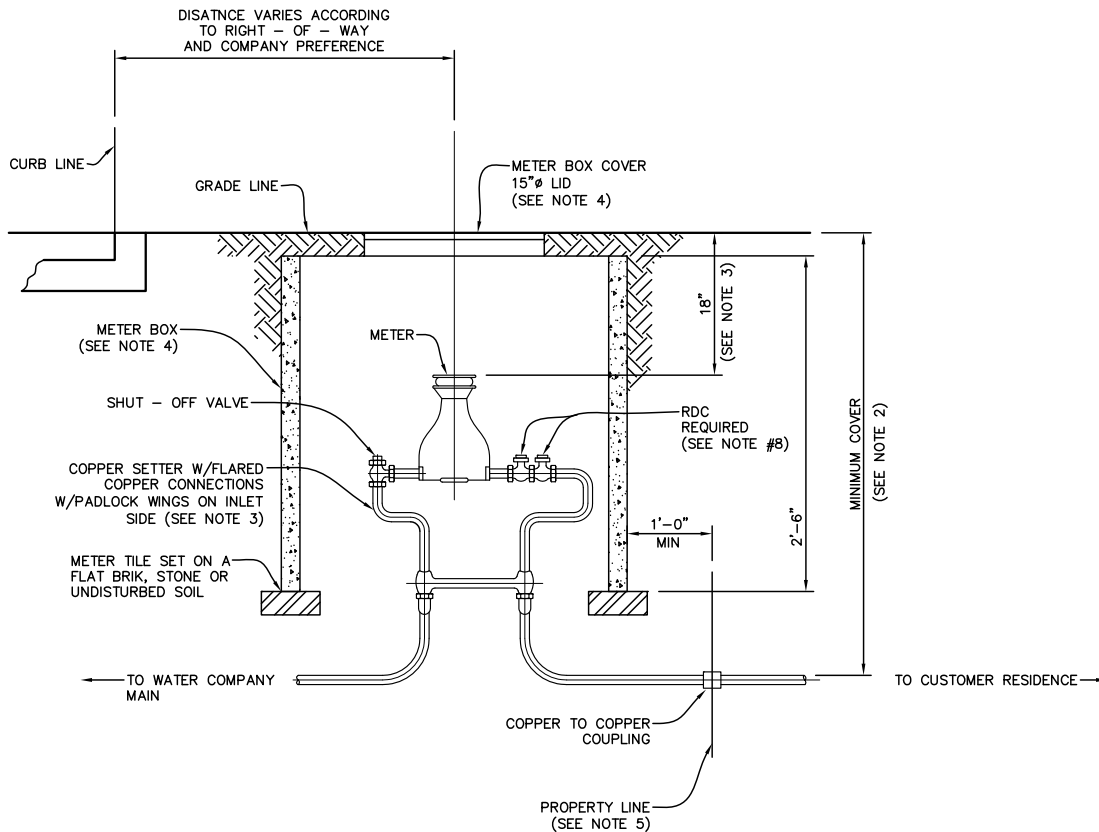
**Please fill in the areas and columns shaded in tan ONLY.**

**Other fields will be filled in by our office.**

Fixture or Appliance	No. of Fixtures (customer to fill out this column)		Fixture Value @ 60 psi		Fixture Value (for office use only)
Faucet - Kitchen Sink		x	2.2	=	
Faucet - Lavatory Sink		x	1.5	=	
Faucet - Utility Sink		x	4	=	
Wash Sink (each set of faucets)		x	4	=	
Shower (single head, shower only)		x	2.5	=	
Bathtub		x	8	=	
Toilet – Flush Valve Type		x	35	=	
Toilet – Tank Type		x	4	=	
Urinal – Pedestal Flush Valve		x	35	=	
Urinal – Wall Flush Valve		x	16	=	
Bidet		x	2	=	
Dishwasher		x	2	=	
Clothes Washing Machine		x	6	=	
Hose Bibs (w/ 50 ft. of hose) – 1/2"		x	5	=	
Hose Bibs (w/ 50 ft. of hose) – 5/8"		x	9	=	
Hose Bibs (w/ 50 ft. of hose) – 3/4"		x	12	=	
Miscellaneous					
Bedpan Washer		x	10	=	
Dental Unit		x	2	=	
Drinking Fountain		x	2	=	
<b>COMBINED FIXTURE VALUE TOTAL</b>				=	
For office use: Customer Peak Demand (from Fig. 4-2 or 4-3) _____ x Pressure Factor (from Table 4-1) _____					= _____ gpm
Add Irrigation (please check one): <input type="checkbox"/> Spray Systems <input type="checkbox"/> Rotary Systems No. of sections = _____ sections (100 ft <sup>2</sup> area = 1 section)					+ _____ gpm
Fire Flow Demand (sprinklers, etc.) _____ gpm _____ pressure					+ _____ gpm
Is there a fire hydrant currently on the property? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Are you requesting that a fire hydrant be installed? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Added Fixed Load (process water, cooling water, etc.) _____ pressure					+ _____ gpm
For office use: _____ Pressure at curb					
<b>TOTAL PEAK DEMAND LOAD</b>				=	<b>_____ gpm</b>

† For Spray Systems: Use 1.16; For Rotary Systems Use 0.40

# 3/4-INCH AND 1 INCH SERVICE LINE INSTALLATION WITH AN OUTSIDE METER PIT



## NOTES :

- THIS SHEET DETAILS A SERVICE LINE INSTALLATION THAT INCLUDES AN OUTSIDE METER PIT.
- THE WATER COMPANY WILL LOCATE THE WATER MAIN AND MARK THE LOCATION WHERE YOUR SERVICE LINE SHOULD END. THE CUSTOMER IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SERVICE MATERIALS AFTER THE CURB STOP, EXCEPT FOR THE METER. LEAVE THREE FEET OF COPPER EXTENDED OUT OF THE GROUND WHERE YOUR SERVICE LINE ENDS.
- YOUR SERVICE LINE MUST BE 3/4" OR 1" TYPE L OR K COPPER OR MATERIAL APPROVED BY THE WATER COMPANY AND INSTALLED AS DETAILED IN THE SKETCH ABOVE. FLARED OR COMPRESSION COUPLINGS MUST BE USED FOR ALL UNDERGROUND CONNECTIONS.
- A 18" DIAMETER METER PIT IS REQUIRED FOR A 3/4" METER. A 20" DIAMETER METER PIT IS REQUIRED FOR USE WITH A 1" METER. LID OPENING SHALL BE 15".
- METER SETTER SHALL BE EQUIPPED WITH A FLANGED ANGLE INVERTED KEY SHUTOFF VALVE AND A CARTRIDGE ANGLE STYLE DUAL CHECK BACKFLOW DEVICE. METER SETTER SHALL BE INSTALLED 18" FROM BOTTOM OF LID TO TOP OF METER.
- PLEASE NOTIFY THE WATER COMPANY AT LEAST FOUR WEEKS PRIOR TO THE DATE THAT YOU REQUIRE WATER SERVICE.
- A PRESSURE REDUCING VALVE (PRV) IS REQUIRED WHEN PRESSURE EXCEEDS 100 PSI. A TANDEM SETTER SHALL BE USED WITH A BRASS PRV WITH EXPOSED STAINLESS STEEL HARDWARE.

8. RESIDENTIAL APPLICATIONS REQUIRE THE USE OF A RESIDENTIAL DUAL CHECK VALVE. COMMERCIAL AND INDUSTRIAL APPLICATIONS REQUIRE A TESTABLE DOUBLE CHECK VALVE OR REDUCED PRESSURE ZONE (PRZ) BACKFLOW PREVENTER, DEPENDING ON SERVICE PROCESS.

9. ALL OTHER SOURCES OF WATER SUCH AS WELLS, CISTERNS, ETC., MUST BE PHYSICALLY DISCONNECTED FROM THE PIPING THAT IS TO BE SERVICED BY THE WATER COMPANY.

10. THE SERVICE LINE SHALL NOT BE INSTALLED IN THE SAME TRENCH WITH ANY OTHER PUBLIC UTILITY OR WITHIN FIVE FEET OF ANY EXCAVATION OR VAULT.

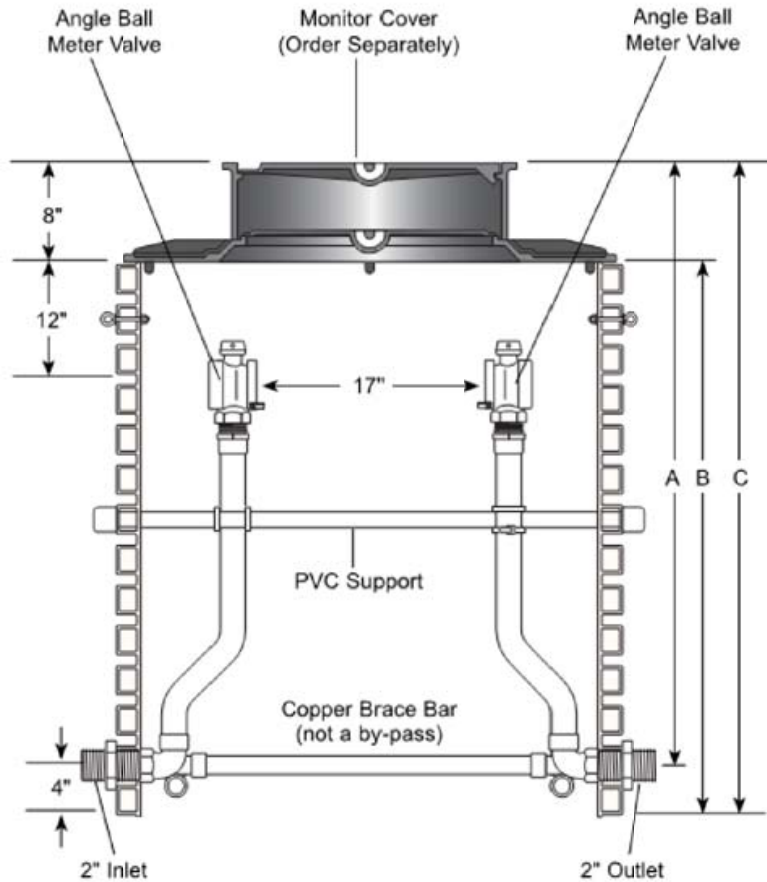
11. A SEPARATE SERVICE LINE IS REQUIRED FOR EACH METERED CONNECTION.

12. SERVICE CANNOT BE PROVIDED IF THE FOREGOING REQUIREMENTS ARE NOT MET.

13. THE WATER COMPANY WILL INSTALL THE METER AFTER THE CUSTOMER HAS COMPLETED THE ABOVE REQUIREMENTS AND AFTER THE CUSTOMER AND WATER COMPANY COMPLETE THEIR SERVICE LINES.

14. A PRESSURE EXPANSION TANK ON THE HOT WATER SYSTEM IS HIGHLY RECOMMENDED. THE WATER COMPANY WILL NOT BE RESPONSIBLE FOR ANY LEAKAGE FROM THE HOT WATER TANK POP-OFF VALVE.

# 2-INCH METER PIT SPECIFICATIONS

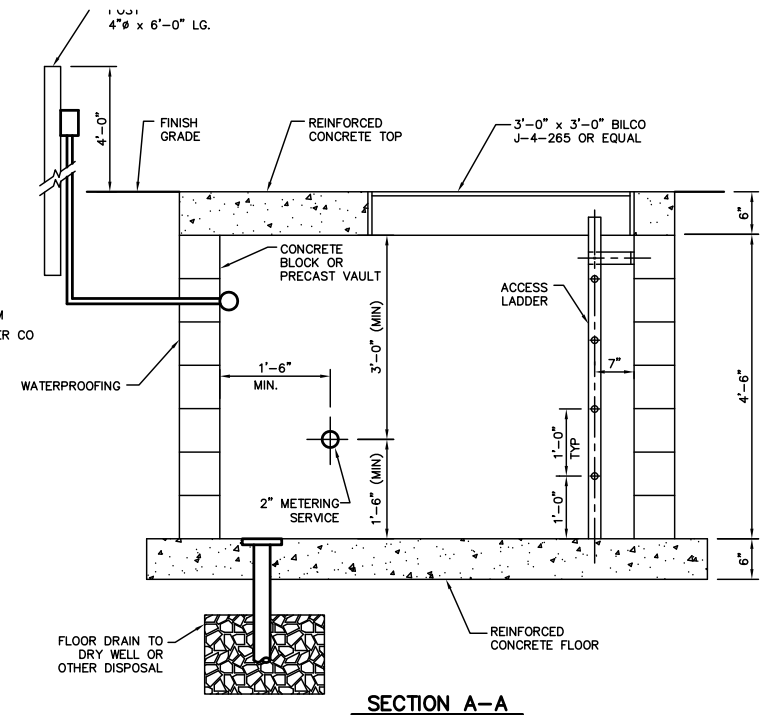
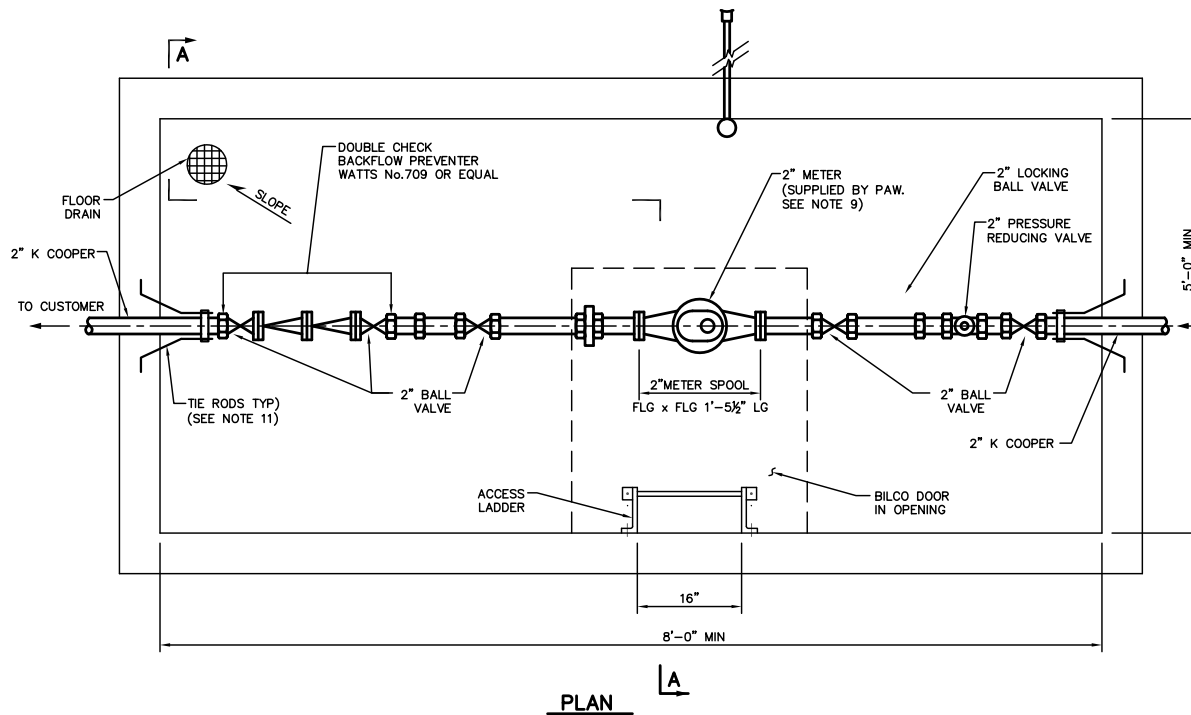


## TYPICAL 2" SERVICE OUTSIDE METER PIT

1. This sheet details a service line installation that includes an outside meter pit.
2. The water company will locate the water main and mark the locations where your service line should end. The customer is responsible for installing and maintaining all service materials after the curb stop, except for the meter. Leave three feet of copper extended out of the ground where your service line ends.
3. Your service line must be 2" type L or K copper or material approved by the water company and installed as detailed in the sketch. Flared or compressed couplings must be used for all underground connections.
4. A 36" diameter meter pit is required for 2" meter. Lid opening shall be 20".
5. Meter setter shall be equipped with a flanged angle inverted key shutoff valve. Meter setter shall be installed 18" from bottom of the lid to top of meter.
6. Please notify the water company at least four weeks prior to the date that you require water service.
7. A pressure reducing valve (PRV) is required when pressure exceeds 100 psi. A tandem setter shall be used with a brass PRV with exposed stainless steel hardware.
8. All other sources of water such as wells, cisterns, etc, MUST be physically disconnected from the piping that is to be serviced by the water company.
9. The service line shall not be installed in the same trench with any other public utility of within five feet of any excavation or vault.
10. A separate service line is required for each metered connection.
11. Service can not be provided if the foregoing requirements are not met.
12. The water company will install the meter after the customer has completed the above requirements and after the customer and water company completed their service lines.
13. The connection to existing water main and valve will be installed by the water company.
14. Valves and fittings less than 1½" are I.P.S. All are to be brass.
15. All valves to be maintained by the customer.
16. Double check (DC) backflow prevention device is required and / or backflow prevention device of reduced pressure principle (RPZ) design may be required. This type of device is to be installed on the service line, inside and at the point where it enters the building. (Type and manufactures of backflow may affect dimensions.)



# 2-INCH METER VAULT SPECIFICATIONS



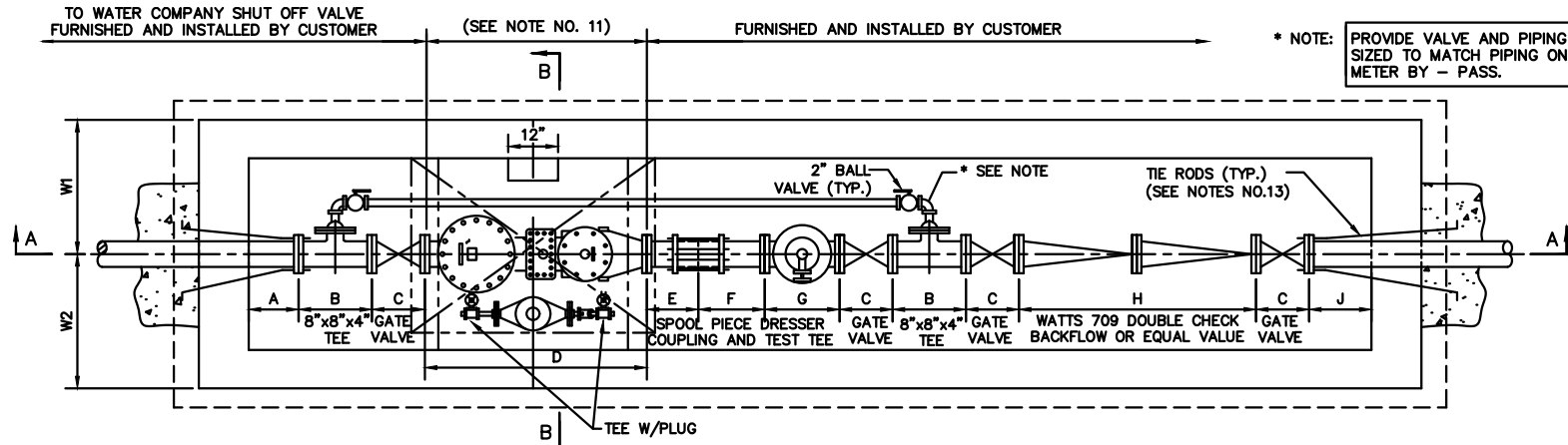
## NOTES :

1. - CUSTOMER TO CONSTRUCT METERING VAULT AS SHOWN TO MINIMUM DIMENSIONS AND GENERAL CONFIGURATIONS.
2. - PIPE SUPPORTS, TIE RODS, ANCHORS AND THRUST BRACING AT FITTING AND VALVES SHALL BE PROVIDED SUFFICIENT, TO ALLOW PIPING TO STAND WITH THE REMOVAL OF METERS, FRICTION CLAMPS ARE NOT PERMITTED FOR RESTRAINT OF PIPING SYSTEM.
3. - THE CONNECTION TO EXISTING WATER MAIN AND VALVE WILL BE INSTALLED BY PAWC.
4. - VALVE AND FITTING LESS THAN 1½" ARE I.S.P. ALL ARE TO BE BRASS.
5. - GATE VALVES AND PIPING MUST BE SAME SIZE.
6. - ALL VALVES TO BE MAINTAINED BY CUSTOMER.
7. - BILCO TYPE DOOR TO BE CENTERED OVER METER ASSEMBLY AND ACCESS LADDER.
8. - PRESSURE REDUCING VALVE REQUIRED WHEN THE INLET PRESSURE EXCEEDS 100 P.S.I. HIGH PRESSURE VALVE REQUIRED IF INLET PRESSURE EXCEEDS 150 P.S.I.
9. - METER ASSEMBLY WILL NOT BE INSTALLED UNTIL ALL PIPING IS COMPLETED IN THE VAULT. A FILLER PIECE SHOULD BE INSTALLED TO ASSURE PROPER ALIGNMENT OF FLANGES. METER ASSEMBLY FURNISHED AND INSTALLED BY PENNSYLVANIA - AMERICAN WATER COMPANY.
10. - TIE RODS TO BE EMBEDDED IN CONCRETE OR BOLTED TO STEEL ON PLATES ON EXTERIOR WALLS. WATER COMPANY TO INSPECT BEFORE BACKFILLING.

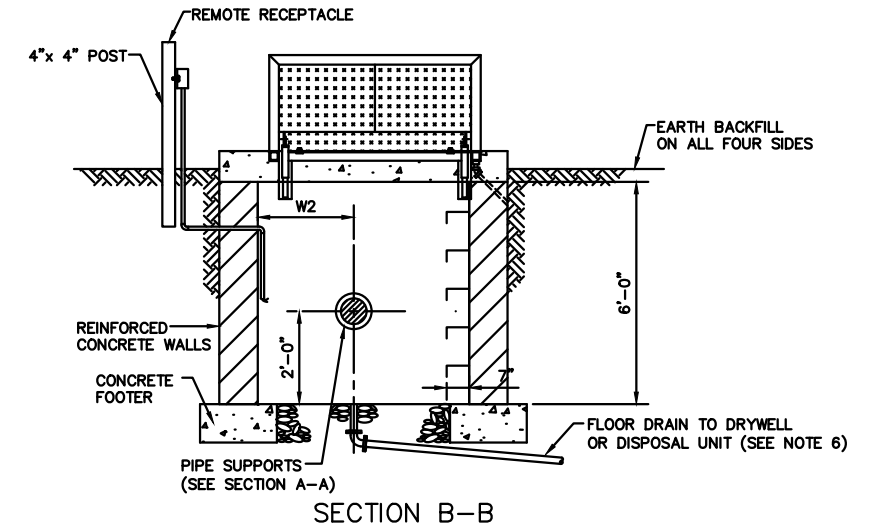
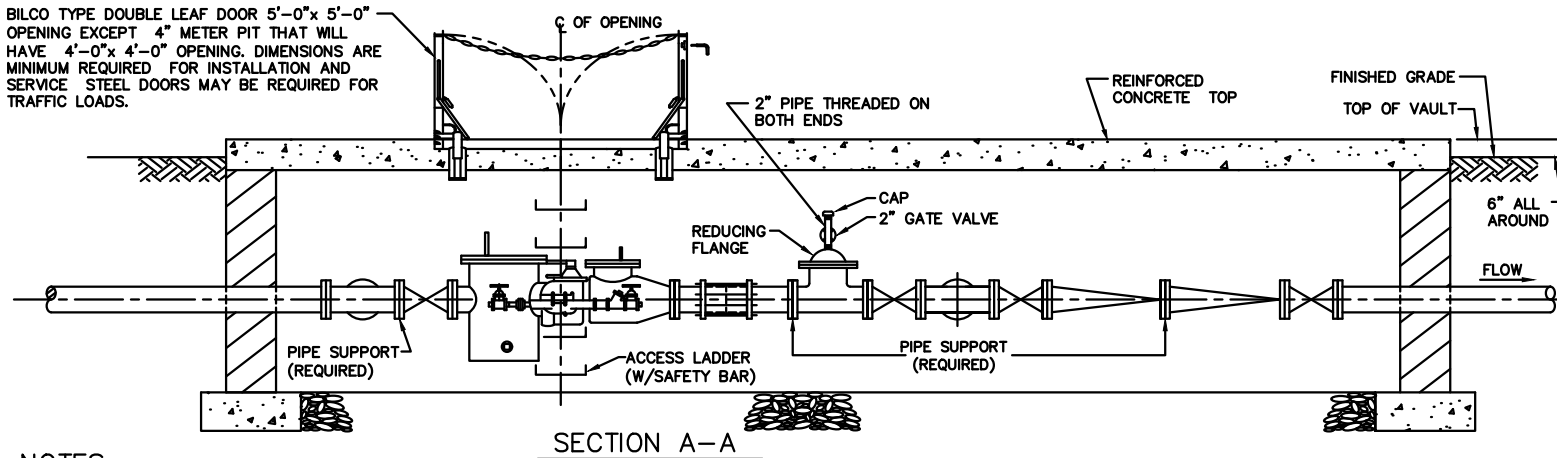
## NOTES :

- a. VAULT DESIGN TO BE BY REGISTERED PROFESSIONAL ENGINEER: IF TRAFFIC LOADS EXPECTED, DESIGN FOR AASHO H20 LOADING. DESIGN MUST PROVIDE FOR ALL EXPECTED FIELD CONDITIONS, INCLUDING SAFE WORKING ENVIRONMENT FOR WATER COMPANY PERSONAL.
- b. PAWC DISCRETION MAY REQUIRE A SUMP PUMP.
- c. IF PIT IS PROVIDED WITH ELECTRICAL SUPPLY PLEASE SUPPLY OUTSIDE DISCONNECT AND PROVISIONS FOR SUMP PUMP (FUTURE)
- d. PRE-CAST VAULTS ARE AVAILABLE AND CUSTOMER SHOULD VERIFY DESIGN BY THEIR ENGINEER.
- e. VAULT AND METER INSTALLATION IS PAWC STANDARD FOR OPTIMUM PERFORMANCE AND DESIGN FOR INSTALLATION AND SERVICING. ALTERNATE DESIGNS MAY BE REQUIRED. PLEASE CONTACT PAWC PERSONAL FOR REVIEW AND APPROVAL.

# 4-INCH TO 10-INCH METER VAULT SPECIFICATIONS



BILCO TYPE DOUBLE LEAF DOOR 5'-0" x 5'-0" OPENING EXCEPT 4" METER PIT THAT WILL HAVE 4'-0" x 4'-0" OPENING. DIMENSIONS ARE MINIMUM REQUIRED FOR INSTALLATION AND SERVICE. STEEL DOORS MAY BE REQUIRED FOR TRAFFIC LOADS.



METER SIZE	LAYING LENGTHS											TOTAL
	W1	W2	A	B	C	D	E	F	G	H	J	
4"	30"	24"	12"	13"	9"	33"	6"	SEE NOTE 12	13"	37 1/8"	18"	16'-0"
6"	36"	30"	12"	16"	10 1/2"	45"	9"	SEE NOTE 12	16"	44 1/2"	18"	19'-6"
8"	36"	30"	12"	18"	11 1/2"	53"	12"	SEE NOTE 12	18"	55 3/4"	18"	22'-6"
10"	36"	30"	12"	22"	13 1/2"	68"	15"	SEE NOTE 12	22"	66 5/8"	18"	27'-0"

## NOTES:

- CUSTOMER TO CONSTRUCT METERING VAULT AS SHOWN TO MINIMUM DIMENSIONS AND GENERAL CONFIGURATION.
- PIPE SUPPORTS, TIE RODS, ANCHORS AND THRUST BRACING AT FITTINGS AND VALVES SHALL BE PROVIDED SUFFICIENT, TO ALLOW PIPING TO STAND WITH REMOVAL OF METERS, FRICTION CLAMPS ARE NOT PERMITTED FOR RESTRAINT OF PIPING SYSTEMS.
- THE CONNECTION TO THE EXISTING WATER MAIN AND VALVE WILL BE INSTALLED BY PENNSYLVANIA AMERICAN WATER COMPANY.
- DOUBLE CHECK BACKFLOW PREVENTION DEVICE IS REQUIRED AS SHOWN AND/OR BACKFLOW PREVENTION DEVICE OF REDUCED PRESSURE. PRINCIPAL DESIGN MAY BE REQUIRED. THIS TYPE OF DEVICE IS TO BE INSTALLED ON THE SERVICE LINE, INSIDE AND AT THE POINT WHERE IT ENTERS THE BUILDING. (TYPE AND MANUFACTURERS OF BACKFLOW DEVICE MAY AFFECT DIMENSIONS.)
- 2" VALVES AND UNDER ARE I.P.S. 4" VALVES AND OVER ARE FLANGED - 125 P.S.I. CLASS FLANGE W/125 P.S.I. DRILLING.
- IT WILL BE NECESSARY FOR THE CUSTOMER TO INSTALL PROPER DRAINAGE OR OTHER MECHANICAL MEANS TO KEEP VAULT DEWATERED.
- WATER SERVICE WILL NOT BE PROVIDED UNTIL VAULT IS COMPLETED AS DETAILED. WATER COMPANY TO REVIEW FINAL DESIGN OF VAULT BY CUSTOMER FOR DIMENSIONS AND OVERALL CONFIGURATION.
- GATE VALVES AND PIPING MUST BE SAME SIZE AS METER.
- ALL VALVES AND BACKFLOW PREVENTORS TO BE MAINTAINED BY CUSTOMER.
- BILCO TYPE DOOR BY BE CENTERED OVER METER ASSEMBLY AND ACCESS LADDER
- METER ASSEMBLY WILL NOT BE INSTALLED UNTIL ALL PIPING IS COMPLETED IN THE VAULT. A FILLER PIECE SHOULD BE INSTALLED TO ASSURE PROPER ALIGNMENT OF FLANGES. METER ASSEMBLY FURNISHED AND INSTALLED BY PENNSYLVANIA - AMERICAN WATER COMPANY.
- MUST BE SUFFICIENT TO CLEAR BREAK IN PIPING W/DRESSER COUPLING RING.
- TIE RODS TO BE EMBEDDED IN CONCRETE OR BOLTED TO STEEL ON PLATES ON EXTERIOR WALLS. WATER COMPANY TO INSPECT BEFORE BACKFILLING.

**NOTE:**

- VAULT DESIGN TO BE BY REGISTERED PROFESSIONAL ENGINEER; IF TRAFFIC LOADS ARE EXPECTED, DESIGN FOR AASHO H20 LOADING. DESIGN MUST PROVIDE FOR ALL EXPECTED FIELD CONDITIONS, INCLUDING SAFE WORKING ENVIRONMENT FOR WATER COMPANY PERSONNEL.
- PA. AMERICAN WATER CO. MAY REQUIRE IN THE VAULT TELEPHONE AND/OR POWER (120 VAC, 15 AMP) FOR "AMR" INSTALLATION OR SUMP PUMP FOR DRAINAGE.
- IF PIT IS PROVIDED WITH ELECTRICAL SUPPLY PLEASE SUPPLY OUTSIDE DISCONNECT AND PROVISIONS FOR SUMP PUMP (FUTURE).
- PRE-CAST VAULTS ARE AVAILABLE AND CUSTOMERS SHOULD VERIFY DESIGN BY THEIR ENGINEER.
- VAULT AND METER INSTALLATION IS PA. AMERICAN WATER CO. STANDARD FOR OPTIMUM PERFORMANCE AND DESIGN FOR INSTALLATION AND SERVICING. ALTERNATE DESIGNS MAY BE REQUIRED, PLEASE CONTACT PA. AMERICAN WATER CO. PERSONAL FOR REVIEW AND APPROVAL.