

PLEASE REVIEW ATTACHED PACKET IN ITS ENTIRETY

EMPLOYEE: _____
APPLICATION# _____
OFFICE USE

**KENT COUNTY WATER AUTHORITY
APPLICATION FOR WATER SERVICE/METER
(SINGLE FAMILY RESIDENTIAL)**

NAME: _____
ADDRESS: _____

PHONE# _____ EMAIL: _____

SERVICE LOCATION: _____

LOT# OR DESCRIPTION: _____

METER SIZE: _____ SERVICE SIZE: _____ *(Both must be noted)*

APPLICANT SIGNATURE DATE

APPROVED APPLICATIONS WILL EXPIRE 12 MONTHS FROM THE DATE OF ISSUE

	YES	NO
WATER AVAILABILITY: _____ EMPLOYEE	<input type="checkbox"/>	<input type="checkbox"/>
APPROVED BY KCWA: _____ EMPLOYEE	<input type="checkbox"/>	<input type="checkbox"/>
CUSTOMER CONTRACTOR INSTALLING SERVICE: <i>(See related items)</i>	<input type="checkbox"/>	<input type="checkbox"/>

■INSPECTION FEE \$5.00 PER LINEAR FT. - FIELD DETERMINED - INSPECTION FEE \$ _____ <i>NOTIFY OFFICE 24 HRS PRIOR TO WATER SERVICE INSTALLTION FOR INSPECTION APPOINTMENT</i>		
■DEPOSIT OF \$1000.00 STATE ROAD OPENING INSPECTION FEE <i>(See related items)</i>	<input type="checkbox"/>	<input type="checkbox"/>

LOCAL/STATE ROAD OPENING PERMIT NEEDED:	<input type="checkbox"/>	<input type="checkbox"/>
LOCAL/PLUMBING PERMIT NEEDED:	<input type="checkbox"/>	<input type="checkbox"/>
KCWA CONTRACTOR INSTALLED:	<input type="checkbox"/>	<input type="checkbox"/>
3/4" AND 1" SERVICE - \$1,500.00	<input type="checkbox"/>	<input type="checkbox"/>
1 1/2" AND 2" SERVICE - \$2,000.00	<input type="checkbox"/>	<input type="checkbox"/>
DEVELOPER INSTALLED (NO COST):	<input type="checkbox"/>	<input type="checkbox"/>
USING EXISTING SERVICE: - ACCT. NO. _____ SIZE _____	<input type="checkbox"/>	<input type="checkbox"/>

KCWA COMMENTS: _____

CUSTOMER CONTRACTOR MUST BE QUALIFIED FOR WATER SERVICE INSTALLATION WITH A DRAIN LAYER OR PLUMBING LICENSE OR THE EQUIVALENT IN APPLICABLE EXPERIENCE

Related Items

Deposit of \$1000.00 State of RI road opening permit fee:

Kent County Water Authority must collect a \$1,000.00 deposit associated with RIDOT inspection services relative to RIDOT permit. The service tap will be made in a RIDOT roadway. Any unused portion of the deposit will be returned once the bill is received from RIDOT for these services.

**KENT COUNTY WATER AUTHORITY
APPLICATION FOR NEW SERVICE
BASIC INFORMATION**

REQUIREMENTS FOR SERVICE AND METER INSTALLATION

SERVICES:

All single-family residential units shall be equipped with a minimum of 3/4" service. Single family and commercial units over 200' from the water main shall be equipped with a meter chamber/pit or enclosure and a minimum of 1" service.

In all cases the service pipe from the main to curb stop shall be copper. Services from the curb stop to the building shall be either copper type K or polyethylene C.T.S. 200PSI rated. If polyethylene is chosen, then a minimum of a 12' copper whip shall be installed just prior to house entry and up to the meter. Stainless steel inserts shall be utilized at all connections for polyethylene pipes.

A ball valve rated for the service pressure shall be installed just prior to the location of the meter coupling and one at the effluent side of the second meter coupling and a final valve after the backflow device.

Depth of service shall be at a minimum of five feet finished grade throughout installation.

All fittings and pipe shall be swabbed with approvable chlorine solution prior to installation.

Identification tape, as specified in Section 3.21.14 shall be utilized for the full length of services and set to a depth from finished grade of no more than 1' - 0".

From the date of application, a waiting period of two weeks can be expected before a decision on availability of water can be investigated as necessary to provide an approval determination. All meter sizes must be the same size as the service.

All service easements are the responsibility of the property owner and not Kent County Water Authority. No services will be installed by Kent County Water Authority within private easements.

METERS:

Refer to Rules and Regulations, Section 4 for the Kent County Water Authority.

All meters shall be read in cubic feet and compatible with the system employed by Kent County Water Authority.

SINGLE UNIT RESIDENTIAL METER PITS:

Residential meter prefabricated chambers/pits or above grade enclosures shall be used for services that exceed 200' in length from the curb box.

Influent and effluent valves shall be provided inside the pit before and after the meter couplings. Ball valves on either side or ball valve, check valve combination will be acceptable.

Reading devices, if needed shall be mounted on a pressure treated 4 x 4 (36" above grade) post or directly under the outer meter chamber/pit cover. The owner must provide conduit access for wiring meter.

If polyethylene is chosen, a minimum of 12' copper whip shall be installed up to and after the meter.

Chamber/pits shall allow meter access within 12 inches of the cover and is the customer's responsibility to maintain safe and dry conditions within the chamber/pit.

All chamber/pits and above grade enclosures shall have K copper tubing on the inlet and outlet sides of the pit with a 12' copper whip in each direction.

BACKFLOW PREVENTION:

Residential units must be equipped with a containment dual check backflow preventer after the meter and non-removable vacuum breakers on all outside hose bibbs prior to service connection and meter installation. Style shall be non-removable self-draining type Watts No. 8D or equal.

All commercial or residential lawn sprinkler systems must be provided with a positive vacuum breaker or reduced pressure zone type assembly where the system connects to water supply. It shall be in a location that is always free draining and will not be submerged.

RELATED ITEMS:

Customer is referred to the Kent County Water Authority Rules & Regulations and all related policies for proper installation, operation and all governing procedures and policies.

CUSTOMER WATER SERVICE DISINFECTION POLICY

All new or repaired potable water system service pipe and necessary connecting pipe fittings, control valves and all appurtenances in or adjacent to any residence building structure or premise shall be purged of all deleterious material and disinfected prior to utilization or permanent connection or re-connection to the Kent County Water Authority system. That portion of the customer service pipe extending from the curb stop to the building shall be disinfected under the purview of the local plumbing official. The owner must provide written documentation from the plumbing inspector that disinfection was properly conducted in accordance with the American Water Works Association standard C651 and Rhode Island Plumbing Code. A copy of the bacteriological test results indicating compliance with the Rhode Island Department of Health drinking water quality standards for coliform and consistency with Kent County Water Authority water quality for Heterotrophic plate count (HPC) must be obtained before making any permanent connection to the Kent County Water Authority system or reactivation of an existing water service for potable water consumption can be authorized. HPC levels should reflect consistency with that observed in the daily sampling conducted by the Kent County Water Authority and in no case can the HPC results be greater than **25 CFU/ml** set by the Executive Director/Chief Engineer. The owner/applicant or customer is responsible for all costs associated with disinfection process or procedures. A plumbing permit from the local municipality is required in conjunction with this work.

Disinfection Procedures

1. The owner, plumber and/or plumbing official shall coordinate activities by contacting the Kent County Water Authority five working days prior to conducting the disinfection process to:
 - Obtain authorization to temporarily connect to the public water system if an alternative supply is not used.
 - Arrange for a representative of the Authority to examine the isolated connection to the public water system.
 - Obtain a reading from the temporary meter (if used).
 - Coordinate activation of the water connection to complete the disinfection and sample retrieval process.
2. The service pipe shall be flushed with clean potable water supplied by the contractor or from an isolated connection to the Kent County Water Authority system until all deleterious material is removed. If the contractor chooses to use the public water system, the contractor shall be responsible to provide a suitable, isolated connection to the Authorities system from the new service pipe.
3. Fill the service piping thereof with a chlorine solution containing at least 50 parts per million chlorine. Once the chlorine concentration in the effluent discharge reveals the proper concentration, the system shall be valved off and allowed to stand for the required time.

4. Following the required standing time, the service pipe shall be flushed with clean potable water until the chlorine is purged from the service piping. It is required that **one sample set** be analyzed for both coliform and heterotrophic plate count (HPC). This requires **two (2)** sample bottles per sampling event, one for the coliform test and one for the heterotrophic plate count, respectively. The customer shall elicit the services of a laboratory certified by the Rhode Island Department of Health to analyze the water samples using membrane filter technique or presence absence (P/A) method for compliance with Rhode Island Department of Health coliform regulations, and standard heterotrophic plate count test. The RI Department of Health has a listing of certified laboratories. The sample retrieval shall be conducted under the purview of the local plumbing official per the requirements contained in the Rhode Island State Plumbing code. Sample results will remain valid for a period of 6 months from the date the samples were analyzed.
5. The disinfection process shall be repeated until the results of the bacteriological testing confirm compliance with the Rhode Island Department of Health drinking water quality standards and heterotrophic plate count consistent with Kent County Water Authority public water system quality set by the Executive Director Chief Engineer.
6. The water service applicant must provide the Authority with copies of the satisfactory laboratory test results (**negative for coliform and HPC < 25 CFU/ml**) and inspection verification letter (per section 107 of plumbing code) from the local plumbing official, before permission will granted to complete the permanent connection to the public water system.
7. All connection materials shall be kept free of any potential contamination and be swabbed with chlorine solution prior to connection to the newly disinfected service.

**A \$50 SERVICE CHARGE WILL BE APPLIED TO EACH REVISIT TO THE SITE BY
A KENT COUNTY WATER AUTHORITY REPRESENTATIVE.**

**KENT COUNTY WATER AUTHORITY
METER INSTALLATION NEEDS CHECK LIST**

**THE APPLICANT MUST VERIFY THAT THE FOLLOWING ITEMS
HAVE BEEN PROPERLY COMPLETED TO FACILITATE METER INSTALLATION**

**CHECK LIST MUST BE COMPLETED AND PRESENTED
UPON APPLICATION FOR METER INSTALLATION**

1. Access to building clear and attainable, stairs in place, area properly lighted, and protected from freezing.
2. Meter setting installed and properly secured with supports. Isolation ball valves located on the street side and house side of plumbing. See attached detail sheets.
3. Double check (residential application) backflow preventer installed after the meter setting isolation valve. Reduced pressure zone (commercial application). Thermal expansion protection. Isolation valves on inlet and outlet.
4. Copper service pipe (whip 12' or all copper piped) installed and connected to meter setting.
5. Curb stop installed. Box is at grade, aligned, and perpendicular for easy access to valve.
6. Outside faucet tamper resistant vacuum breaker installed or manufactured into outside faucet.
7. Plumbing permits have been obtained and visible at site. Inspection approval stickers in place on meter setting.
8. Verification of water service laboratory bacteria test results. (Copy of results showing negative coliform and HPC<25 CFU/ml must be attached.)
9. Signed plumbing inspection verification letter verifying conformance with RI Plumbing Code. This letter must be on city or town letterhead. (Copy must be attached.)

10. For Pit location

- a. Shipping spacer removed from meter setting.
- b. Freeze proof pit design. Pit installed to proper grade.

Per KCWA Rules & Regulations, Section 2.5, "Residential meters will be installed by scheduled appointment only. The owner or owner's contractor must be present when a new installation or any repairs to an existing installation are made within private property. KCWA employee shall not enter the premise without the owner or owner's representative being present."

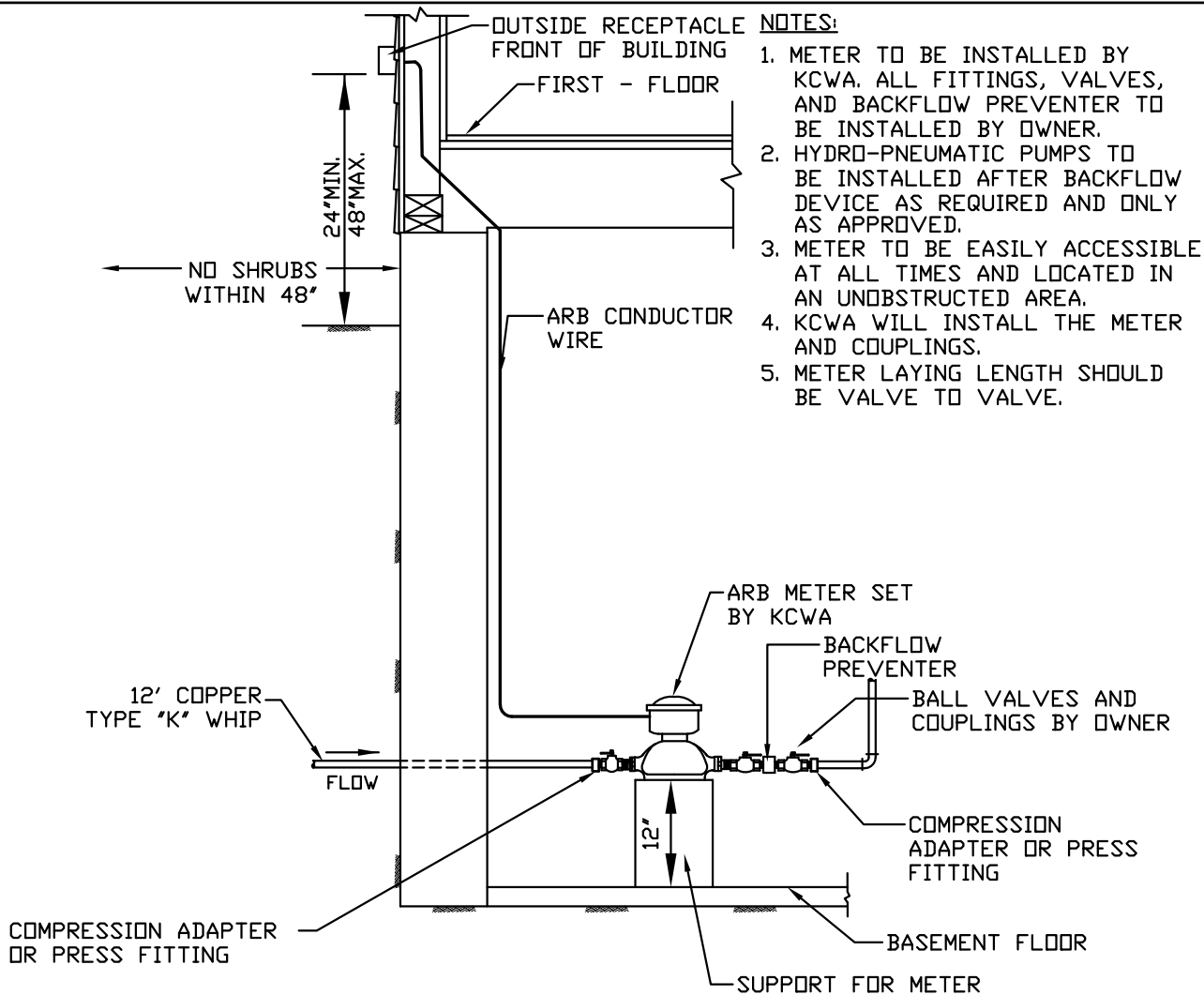
Location/Address

Owners/Developers Signature

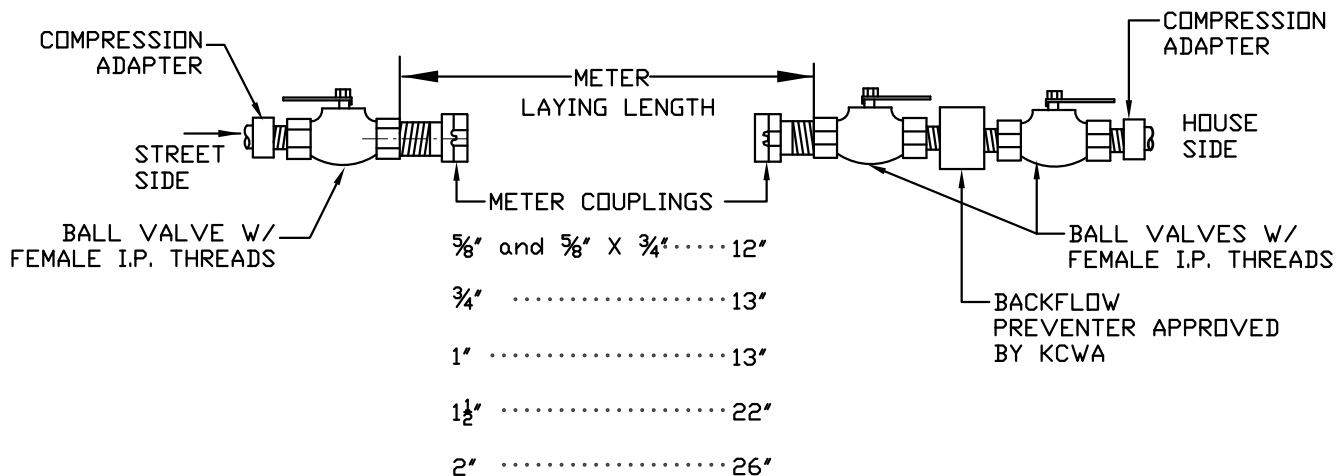
Contact Phone Number

Date

A \$50 SERVICE CHARGE WILL BE APPLIED TO EACH REVISIT TO THE SITE FOR INSTALLATION BY A KENT COUNTY WATER AUTHORITY REPRESENTATIVE



RESIDENTIAL WATER METER INSTALLATION



WATER METER SETTINGS WITH FITTINGS

KENT COUNTY WATER AUTHORITY

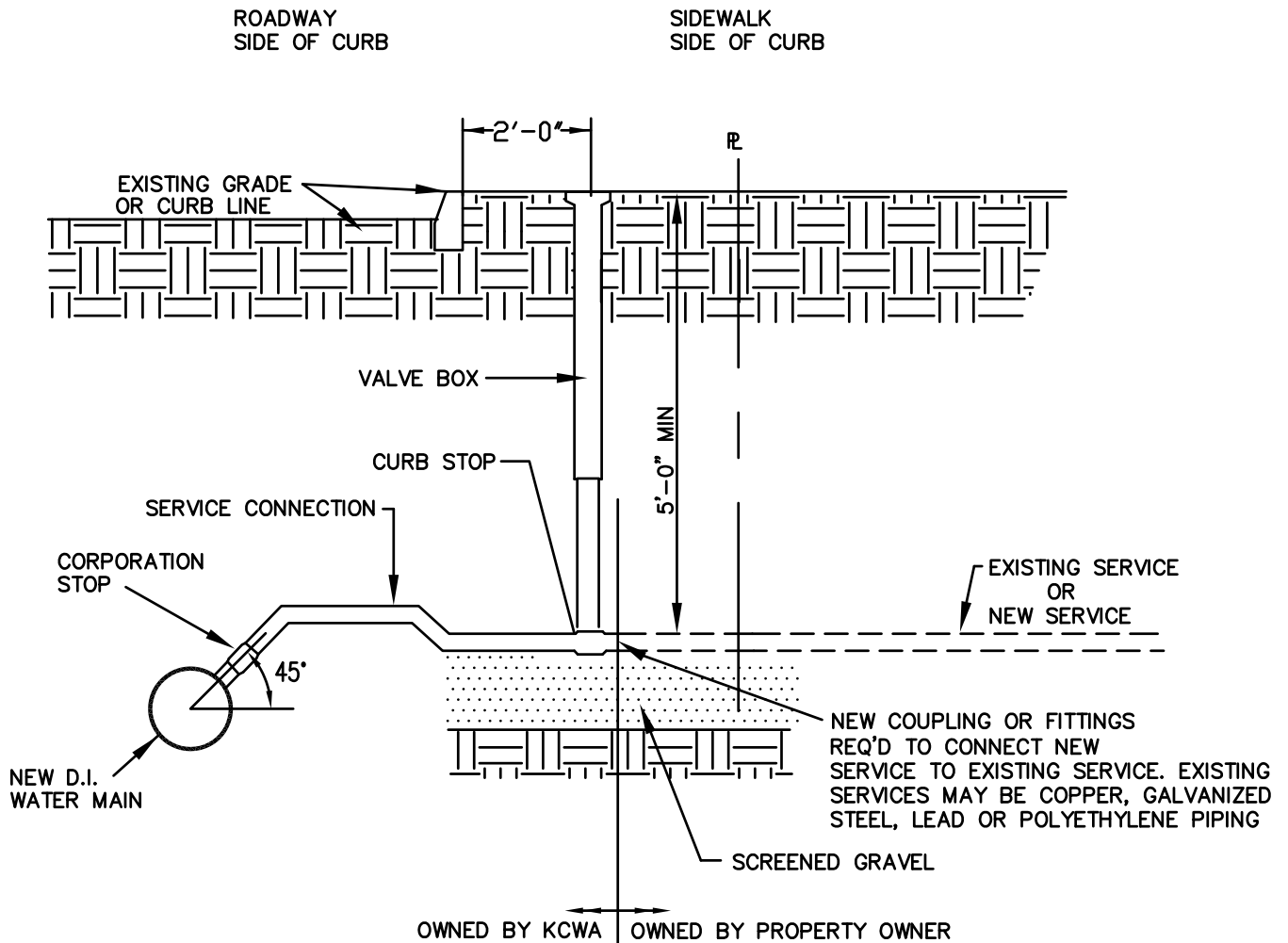
KCWA

RESIDENTIAL WATER METER

"proudly serving"

NOT TO SCALE

DATE: 3/2024



NOTE:

- 1.) SERVICE MATERIALS PER KCWA SPECIFICATION UNLESS CITY OR TOWN CODES REQUIRE SPECIFIC MATERIALS THAT HAVE BEEN APPROVED BY KCWA.
- 2.) SERVICE LINE FROM CURB BOX TO BUILDING SHALL BE INSPECTED, TESTED AND APPROVED BY THE LOCAL PLUMBING INSPECTOR.

KENT COUNTY WATER AUTHORITY

KCWA

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SERVICE CONNECTION

NOT TO SCALE

DATE: 3/2024