



Checklist for New Services/Projects

Enclosed are the following applications/documents:

1. _____ Request for Service Application
 2. _____ Construction and Material Specifications
 3. _____ Water Balance Program Application
 4. _____ Application for Domestic Water
 5. _____ Summary of Water Connection Charges
 6. _____ Application for Special Connection/Fire Service
(to be submitted in triplicate, signed by Fire Department)
 7. _____ Backflow Design Data Sheet for each device
(to be submitted w/plumbing plans)
-

To help us coordinate your proposed project, the best way to start is to prepare and submit a Request for Service Application, along with a set of project plans (site plans, utility plans, etc.) which describe your proposed project and associated infrastructure. The project plans will be subject to the review and approval of the Abington/Rockland Joint Water Works (ARJWW) and should include the location, size, and materials of construction in accordance with ARJWW material specifications and construction requirements. A response to the Request for Service application will be issued by ARJWW which may outline additional requirements and application forms subject to your project (refer to the above noted documents). Once the requirements from the Request for Service application are met and the project and plans are approved by ARJWW, you or your Contractor shall notify DIGSAFE and obtain a Street Opening Permit from the Department of Public Works in the respective community as well as any other permits required for such excavation to connect to the ARJWW water system. You or your Contractor will then coordinate and schedule the water main connection with ARJWW, which may include a connection fee. You or your Contractor will be responsible for all installation responsibilities, including excavation, materials, backfill, compaction, site restoration (loam, seed, pavement, sidewalks, etc.), police details, and testing.

All construction work, and costs thereof, shall be the responsibility of the applicant and shall be inspected by a representative of ARJWW. Any materials that are installed and backfilled before being inspected by ARJWW are subject to re-excavation and inspection. All materials shall meet the requirements of ARJWW and any materials installed that do not meet ARJWW requirements shall be removed. You or your contractor shall be responsible for any and all damage to the water appurtenances and surface restoration (roadway, sidewalk, etc.) for one (1) year after final acceptance from the Town and ARJWW.

Once the building construction is complete and ready for occupancy, contact ARJWW and schedule an appointment to have the water meter set and the water turned on at the street. This



will require completion of the Water Balance Program (if applicable), Application for Domestic Water Service, and payment of all fees in full.

Private fire line services and fire hydrants are the responsibility of the Applicant. All fire line service taps and hydrant connections shall be coordinated with ARJWW. Your Contractor will be required to complete all permitting; furnish and install all materials; complete all excavation, backfill, compaction, and surface restoration; and perform all testing in accordance with ARJWW requirements. Fire Line services are subject to the submission and approval of an Application for Special Connection/Fire Service and a Backflow Design Data Sheet for each proposed device. All water main extension requests and construction will be coordinated, reviewed, and approved by ARJWW as needed and applicable.

Please submit all relevant applications along with payment made out to Abington/Rockland Joint Water Works, 366 Centre Avenue, Rockland, MA 02370.

Please contact the Abington/Rockland Joint Water Works with any questions.

Telephone: (781) – 878 – 0901

Abington/Rockland Joint Water Works

REQUEST FOR SERVICE APPLICATION

APPLICATION DATE: _____

PROJECT / SITE INFORMATION

Project Name: _____
 Location / Address: _____

 Proposed Use: ☐ Commercial / Industrial Building Size (s.f.): _____
☐ Residential Building Size (s.f.): _____
 Site Elevations: High: _____ ft. Low: _____ ft.
 Datum Elevation (USGS): _____
 Length / Size (Dia.) of Proposed Service: _____
 Site Plan Attached: ☐ (Must show Elevation Contours)

WATER DEMAND INFORMATION (Determined by the applicant's project plumbing consultant)

COMMERCIAL / INDUSTRIAL USE:	RESIDENTIAL USE:
<u>What is the use of the building?</u> _____	DEMAND:
	No. Units _____
	No. Bedrooms/Unit _____
	Addition of bedrooms- No. of BR: _____
	ADU- No. of Bedrooms: _____
	Total No. Bedrooms _____
DEMAND:	
Projected Facility Usage _____ gal/day (310 CMR 15.203)	Projected Residential Usage _____ gal/day (110 gpd/bedroom, 310 CMR 15.203)
Projected Irrigation Usage _____ gal/day (310 CMR 15.203)	Existing Service line: ☐ YES ☐ NO if yes, size & material: _____
	New Service line tap: ☐ YES ☐ NO if yes, size & material: _____
Fire Flow Requirements	Fire Flow Requirements
Hydrant _____ gal/min.	Hydrant _____ gal/min.
Building Sprinklers: Yes ☐	Building Sprinklers: Yes ☐
No ☐	No ☐
Required Sprinkler Flow: _____ gal/min.	Required Sprinkler Flow: _____ gal/min.
Residual Pressure: _____ psi	Residual Pressure: _____ psi

**All residential & commercial/industrial projects that include a new use or expanded use of water are subject of the Water Balance Program.*

CONTACT INFORMATION

Applicant (or Agent) Name: _____
 Address: _____

 Tel. No.: _____
 Email: _____

SIGNATURE: _____

PRINT NAME & TITLE: _____

Instructions: Request for Service applications to be completed and delivered to:
 Attention: Kristel Cameron, Superintendent
 366 Centre Avenue
 Rockland, MA 02370





March 9, 2022

**Consolidated Technical Specifications
Abington/Rockland Joint Water Works
366 Centre Ave.
Rockland, MA 02370
(781) – 878 - 0901**

1. Water mains to be ductile iron pipe, class 52, conforming to AWWA C150 and AWWA C151, push on type joints with gaskets and bronze wedges conforming to AWWA C111, double cement lined inside conforming to AWWA C104, and asphalt seal coated outside (coal tar coated outside conforming to AWWA 203 in areas where groundwater levels are above the pipe laying depth). All pipe fittings shall be ductile iron, class 350 mechanical joint conforming to AWWA C153. All fittings shall be restrained with Series 1100 Megalug as manufactured by EBAA Iron, or approved equal. Metal core warning tape shall be installed 1 foot below grade above all new water mains and services.
2. All gate valves shall be resilient wedge seated valves conforming to AWWA C509 (Kennedy or Mueller Co 2360 series or approved equal). Valves shall have corrosion resistant fusion - bonded interior and exterior coatings. Valves are to have double O ring seals, a non-rising stem, 2 inch operating nut, and be **OPEN LEFT** (counter-clockwise to open). An arrow indicating the opening position shall be cast into the operating nut.
3. Valve boxes shall be cast iron, asphalt coated, sliding type, adjustable, together with cast iron covers with the word "WATER" plainly cast in relief on the top surface. A minimum 6 inch overlap is required between sliding sections. The inside diameter of the bottom section shall be at least 5 1/4 inches and shall have a belled base. The top section shall be at least 6-1/8-inches and have top flanges. The bottom section shall be at least 36-inches in length. The top section shall be at least 26-inches in length and have a plain bottom.
4. Tapping sleeves and valves shall have resilient wedge gate valves as specified above with the following exceptions. Tapping sleeve shall be Mueller Co. Stainless Steel Tapping Sleeve Model H-304SS. Sleeves shall meet ANSI/NSF 61 standards. Sleeve outlet shall have a 3/4" testing port with a 3/4" NPT brass test plug. Tapping valves shall be full port opening and above specified.
5. Hydrants shall be Mueller Super Centurion A-423, conforming to AWWA C502 (Dry Barrel Hydrants) and painted yellow body (P68205) and reflector white bonnets and caps (P68218). Anchor tees shall be used for all new installations. Fire hydrants shall have mechanical joint shoes, 5'6" bury (street level shoulder areas) or 6'-0" bury (raised sidewalk) and marked with an arrow and the word "open" to indicate the direction to turn the stem to open the hydrant. Hydrants shall **OPEN LEFT** (counter-clockwise to open). All hydrants shall also include reinforced fiberglass shaft heavy duty spring mounted hydrant markers which are 4 feet long and 3/8-inch diameter, one bolt mounting.
6. Ductile iron pipe and fittings shall be installed and tested in accordance with requirements of AWWA C600, latest edition. Water mains shall have a minimum of five feet of cover. Pressure testing shall be witnessed by an inspector from

Abington/Rockland Joint Water Works and consist of 200 psi for 10 minutes and 150 psi for 2 hours.

7. The minimum vertical and horizontal separation must be maintained for all water lines and other utilities: 18-inches vertical (water line 18-inches above) and 10 feet horizontal.
8. At no time shall a water main or service be installed greater than 8-feet below finished grade.
9. Water mains shall not be installed below concrete pads and concrete sidewalks and/or landscaped islands shall be avoided whenever possible.
10. Unless otherwise approved, all water service line piping shall be Type K annealed (soft) copper tubing, conforming to ASTM B-88, and shall be seamless in manufacture. The water service pipe diameter shall be as specified by Abington/Rockland Joint Water Works to meet the projected use.
11. Corporation stops shall meet the most recent revision of the AWWA C800. Corporation stops shall be brass compression-type with taper type inlet thread. Corporations shall **open Left**. All corporations larger than 1" on ductile-iron water mains shall be installed with saddles. Corporation stops shall be Mueller B25008, Red Head, or Ford.
12. Curb stops shall meet the most recent revision of the AWWA C800. Curb stops shall be brass compression-type – no drain. Curb Stops shall **open Left**. The inlet and outlet shall have compression connections. Curb stops shall be Mueller Model B25209, Red Head, or Ford.
13. Curb stop boxes shall be cast iron Buffalo Extension 94E type with recessed lid with brass pentagon bolt and the word "water" cast on top, and adjustable sliding type with arch pattern. Curb stop boxes shall be domestically manufactured Bingham and Taylor.
14. Water service lines shall be minimum 1" diameter, Type K copper. Only copper tubing shall be installed from the corporation to the curb stop. Plastic tubing may be allowed from the curb stop to the premise if meeting AWWA PE 3406 or PE3408, copper tube size outside diameter, and rated at 160 psi minimum.
15. The length, size, location, and number of all water distribution system materials shall be as approved by ARJWW. Testing requirements shall be in accordance with the latest version of appropriate AWWA specifications.
16. Project proponent shall prepare and submit as-built drawings to the Abington/Rockland Joint Water Works for all water main and service installations, prior to the water being turned on.

ABINGTON/ROCKLAND JOINT WATER WORKS
Serving Customers in Abington, Rockland, Pembroke, and Hanson

WATER BALANCE PROGRAM APPLICATION

The Applicant should be aware that the withdrawal of water resources from the Commonwealth of Massachusetts to serve customers in the above noted communities is regulated and limited by the Massachusetts Department of Environmental Protection (DEP). In order to manage these water withdrawals within the limits established, regulated, and enforced by the DEP, and in order for the Abington/Rockland Joint Water Works (ARJWW) to maintain the ability to supply water to its existing customers, water usage for new developments and the expansion of existing uses must be offset through compliance with ARJWW's Water Balance Program.

The Water Balance Program applies to all new and expanded water use projects (both permanent and temporary) in accordance with the following examples:

Case #1: New Construction

Compliance with the Water Balance Program is required for all new buildings and/or structures which are not exempt as described above (temporary or permanent) where water service is proposed. The amount of water requested for service shall be proposed by the applicant and reviewed and approved by ARJWW. If such amount exceeds the WBP Threshold the applicant shall comply with the Water Balance Program.

Case #2: Existing Buildings (Renovations/Modifications)

The renovation or modification of an existing building which results in a change in the usage of the building space will trigger an evaluation of water usage. If the same amount of building space will be used for the same activities (e.g. a 2,000 sf retail store being renovated into a new 2,000 sf retail store), then the determination will be that there is no change in water usage, provided that the building has been occupied and in use within the past 2 years. However, when the building renovations will result in a change in the current usage of building space (e.g. a 2,000 sf retail store being renovated into a 2,000 sf medical office; or a 4 bedroom house being converted into a fast food restaurant), then the change in water usage will be evaluated as follows:

Existing water usage for the building will be determined based on the average metered usage for the most recent two year period. If the proposed usage is greater than the existing metered usage then the net increase in water usage is the basis for determining whether compliance with the Water Balance Program is required. The net increase in usage will be determined by subtracting the existing metered usage (credit) from the future proposed usage. The metered usage credit will only be applicable if there has been activity/usage at the building within the past two years. For Example: a building on Main Street has an average 2-year metered water usage of 100 gpd. A dentist's office is planned for the building that will use 400 gpd. The net increase in usage is 400 gpd minus the 100 gpd credit, or 300 gpd.

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WATER BALANCE PROGRAM APPLICATION

Case #3 Additions to Existing Buildings

Additions to existing buildings are treated in a similar manner as new construction. The Water Balance Program is applicable to any proposed increase in the existing base usage that is greater than 220 gpd. Example: a 3-bedroom addition is proposed for an existing 2-bedroom house. The water balance program will be applicable to the net increase in water usage as a result of the 3-bedroom addition. Based on the tables found in 314 CMR 7.15 and 310 CMR 15.203, the net increase in usage is 330 gpd.

Case #4: New Building Replacing Existing Building

This situation is applicable to a site where there is an existing building with plans for it to be demolished and a new building constructed in its place. If the building space activities are the same for both the existing and future proposed buildings, and the size of the new building is equal to or less than the size of the existing building, then the Water Balance Program is not applicable. However, if the proposed building space activities differ from the existing building space activities, then the change in water usage will be evaluated based on the change in building size or usage. The Water Balance Program will only be applicable if there is a proposed net increase in water usage exceeding the WBP Threshold. The net increase in water usage will be determined as follows:

Water usage for the existing building will be determined based on the average metered usage for the most recent two year period. If the proposed usage is greater than the existing metered usage then the Water Balance Program shall apply. The net increase in usage will be determined by subtracting the existing metered usage (credit) from the future proposed usage. The metered usage credit will only be applicable if there has been activity/usage at the building within the past two years. For Example: a building on Main Street has an average 2-year metered water usage of 300 gpd. Plans call for the building to be torn down and a new 5-bedroom residential home constructed in its place. The future proposed usage of a 5-bedroom home is 550 gpd. Therefore, the net increase in usage is 550 gpd (proposed) minus 300 gpd (existing credit) or 250 gpd.

Case #5: New Occupancy of an Existing Vacant Building

The Water Balance Program requirements for this situation are similar to Case 4. If the building space activities planned for the building are the same as those of the prior occupant, and the building has had water usage within the past two years, then the Water Balance Program is not applicable. However, if the building space activities are different in comparison to the prior occupant, or there has been no water usage within the past two years, then the change in water usage will be evaluated to determine the applicability of the Water Balance Program. The Water Balance Plan will only be applicable if there is a proposed net increase in water usage that exceeds the WBP Threshold. The net increase in water usage will be determined as follows:

Buildings that have not been occupied within the past two years and/or have not had any water usage within the past two years will be treated as new construction as defined in Case 1. If however the building has been occupied within the past two years and has had water usage, then the existing water usage for the building will be determined based on the average metered usage for the most recent two year period. If the net increase

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in proposed usage for the building exceeds the WBP Threshold, then the applicant must comply with the Water Balance Program. The net increase in usage will be determined by subtracting the existing metered usage (credit) from the future proposed usage. The metered usage credit will only be applicable if there has been activity/usage at the building within the past two years (refer to prior case descriptions).

Case #6: New Water Connection for an Existing Building

If an existing building is currently not connected to the ARJWW Water System, but requests to be connected, then the Water Balance Program will be applicable similar to Case 1, new construction.

Case #7: Businesses Relocating within the ARJWW Service Area

Businesses relocating to new or different buildings within the ARJWW service area are subject to the Water Balance Program. Water usage credits shall remain with the original or existing building site prior to the move. Water usage credits do not migrate with the relocating customer, unless the existing place of business is demolished and a new one constructed in its place. The Water Balance Program will therefore be applicable as defined in the preceding six cases.

Case #8: Temporary Water

All temporary uses of water proposed to be used for a duration greater than 1 month are subject to the Water Balance Program. The applicant shall provide a projection of the duration and daily use of water. This usage/volume will be converted to an average annual amount. The equivalent average annual amount will be subject to the Water Balance Program if it is greater than the WBP Threshold.

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WATER BALANCE PROGRAM APPLICATION

Applicants to the Water Balance Program have several options for means to comply with the Water Balance Program including:

- **Applicant-Directed Conservation** – Applicant identifies, implements, and completes water conservation activities approved by ARJWW, at existing ARJWW customer facility/location(s).
- **Water Balance Mitigation Fee** - Applicant provides a water balance mitigation fee that will be used by ARJWW to fund water conservation activities within the applicable service area.
- **Supplemental Water Supply Source** – Must be developed and coordinated with ARJWW on a case by case basis for: 1. Identification and development of a supplemental water supply source for ARJWW. 2. Development and payment for a supplemental water supply source for ARJWW.

More detailed descriptions and requirements for each of these options are provided within this document. ARJWW will work with the Applicant in connection with any of these options. A pre-application meeting between the Applicant and ARJWW is encouraged to explore the options. The development of a supplemental source of supply is subject to further negotiations and agreement between ARJWW and the Applicant.

Select the Water Balance Option below, then complete Sections 1 and 2 of the Application and proceed to the appropriate sections:

Check here ☐ for the **Applicant-Directed Conservation** option and refer to Section 3.

Check here ☐ for the **Water Balance Mitigation Fee** option and refer to Section 4.

Check here ☐ for the **Supplemental Water Supply Source** option. ARJWW will schedule and coordinate project meetings to review and discuss this option.

Please review all application requirements, complete all relevant Sections, sign the Application on Page 11, and submit to ARJWW.

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Serving Customers in Abington, Rockland, Pembroke, and Hanson

WATER BALANCE PROGRAM APPLICATION

Application Date (mm/dd/yyyy): _____

Application Number (assigned by ARJWW): _____

SECTION 1 – APPLICANT INFORMATION

Applicant's Name: _____

Street Address: _____

City: _____

State: _____

Zip Code: _____

Primary Contact: _____

Phone Number: _____

Fax Number: _____

E-mail: _____

SECTION 2 – GENERAL PROJECT INFORMATION

Project Name (if applicable): _____

Project address or closest street _____

Municipal location: _____ Type of Project: _____

Commercial Type of Facility _____ Facility Footprint: _____

Residential # of Housing Units _____ Total Bedrooms: _____

Type of water service being requested: (Circle all that apply) Domestic Irrigation Fire Protection

Number of new domestic services: _____ Number of Irrigation Systems: _____

Number of new fire services: _____ Number of new private fire hydrants: _____

Number of new public fire hydrants: _____

Total Water Use Projection (gpd): _____ (calculation details attached, refer to Section 3 or Section 4)

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WATER BALANCE PROGRAM APPLICATION

Applicant's Engineer (if applicable): _____

Engineering Contact (Name): _____

Engineer's Street Address: _____

City: _____

State: _____

Zip Code: _____

Engineer's Phone Number: _____

Engineer's Fax Number: _____

Engineer's E-mail: _____

PROVIDE A PROJECT NARRATIVE IN THE BELOW SPACE

(Attach additional pages if necessary) Include a description of any special features or equipment that are expected to have a material impact on water usage in the Project.

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WATER BALANCE PROGRAM APPLICATION

SECTION 3 - REQUIREMENTS/CHECKLIST, APPLICANT-DIRECTED CONSERVATION

With the Applicant-Directed Conservation option, the Applicant must provide ARJWW with an estimate of the annual water usage or expanded water usage for the proposed project, and must develop and implement a Conservation Plan that will reduce the existing water usage within the ARJWW system equal to the proposed net increase in usage associated with the project. All gallons conserved will be applied to offset the proposed usage (or the proposed usage increase) up to a maximum requirement equal to the proposed usage (or the proposed usage increase). The proposed usage or the proposed usage increase amounts are hereinafter referred to as the "WBP Amounts". Details are provided below.

☐ **Submit an estimate of project water usage (water demands)**

- Water use projections shall be completed for the proposed project which includes an estimate of average annual water usage (expressed in MGD - million gallons per day). All relevant, supporting data must be provided. Estimated usage must represent full project build-out. If the project is phased, then the incremental increases in water demand must be shown and explained
- Applicable Massachusetts Title 5 regulations (310 CMR 15.203) or Sewer Expansion regulations (314 CMR 7.15) shall be used to project and/or estimate average day water demands based on the proposed facility usage category(s).
- Upon request, ARJWW will provide historical water consumption data for any pre-existing property associated with the proposed project.
- Irrigation demand must be estimated separately in each demand projection. Note that any new irrigation system will be required to use a rain or moisture sensor that is designed to interrupt the cycle of an automatic irrigation system when a specific amount of rainfall has occurred or when the moisture in the soil exceeds a specified limit.
- All water demand estimates shall be subject to the review and acceptance by ARJWW.

☐ **Submit a Water Conservation Plan**

The WBP Amounts must be offset by an equal amount of water conservation savings. Developing and implementing the Water Conservation Plan is the responsibility of the Applicant. A proposed Plan shall be submitted with this Application. Methods to offset WBP Amounts include:

- Implementing water demand reductions from existing water customers in the ARJWW service area. This can be done by retrofitting existing buildings with water saving plumbing fixtures, water efficient appliances, or removing irrigation systems. Estimated savings from retrofits can be derived from the information shown on Table 1. Higher water saving estimates may be considered with supporting documentation.

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WATER BALANCE PROGRAM APPLICATION

- Implementation of demand reduction measures (e.g., independent irrigation systems, decreasing commercial and industrial consumptive use) associated with the results of water audits conducted for significant water users. (Large users will be identified by ARJWW upon request.).

All proposed water conservation work shall be reviewed and approved by ARJWW. The water savings achieved by completing water conservation work shall be estimated using the information provided below in Table 1 and the attached Water Conservation Credit Application form. Alternative conservation usage estimates may be proposed and are subject to the review and approval of ARJWW. If plumbing fixtures are proposed to be replaced, then all fixtures of the same usage category (toilets, faucets, etc.) must be replaced in the premises in order to achieve the maximum calculated savings (100%).

Table 1 – Estimated Water Usage for Plumbing Devices	
Device	Projected usage
Vintage Toilet (pre-1978) – 5 to 7 gpf	25 to 35 gallons per capita day
Conventional 3.5 gpf Toilet (1978-1993)	17.5 gallons per capita day
Low Consumption 1.6 gpf Toilet (after 1993)	8.0 gallons per capita day
High Efficiency Toilet - 1.3 gpf	6.5 gallons per capita day
Dual Flush Toilet – 1.1 gpf	5.5 gallons per capita day
Conventional (3 gpm or more) Showerhead	13 gallons per capita day
Low Flow (2.5 gpm or less) Showerhead	11 gallons per capita day
Vintage Faucets (pre-1994) (3 gpm)	12 gallons per capita day
Standard Faucet (post-1993) (2.2 gpm)	11 gallons per capita day
Vintage Urinal (pre-1994) 3.5 gpf 3 flushes per capita per day	7.5 gallons per capita day
Standard Urinal (post-1993) (1.0 gpf) – 3 flushes per capita per day	3 gallons per capita day
Waterless Urinal	0 gallons per capita day

gpf = gallons per flush

Sources:

- American Water Works Association (AWWA) Manual M22 – Sizing Water Service Lines and Meters and AWWA Manual M52 Water Conservation Programs
- Manufacturers Literature

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WATER BALANCE PROGRAM APPLICATION

SECTION 4 - REQUIREMENTS/CHECKLIST, WATER BALANCE MITIGATION FEE

Under the Water Balance Mitigation Fee Option, the Applicant must provide ARJWW with an estimate of the annual water usage or expanded water usage for the proposed project, and provide a Water Balance Mitigation Fee, calculated as described below. All Water Balance Mitigation Fees collected shall be used by ARJWW to fund water conservation activities within the ARJWW system.

☐ **Submit an estimate of project water usage (water demands)**

- Water use projections shall be completed for the proposed project which includes an estimate of average annual water usage (expressed in MGD - million gallons per day). All relevant, supporting data must be provided. Projected usage must represent full project build-out and occupancy. If the project is phased, then the incremental increases in water demand must be shown and explained.
- Applicable Massachusetts Title 5 regulations (310 CMR 15.203) or Sewer Expansion regulations (314 CMR 7.15) shall be used to project and/or estimate average day water demands based on the proposed facility usage category(s).
- Irrigation demand must be estimated separately in each demand projection. Note that any new irrigation system will be required to use a rain or moisture sensor that is designed to interrupt the cycle of an automatic irrigation system when a specific amount of rainfall has occurred or when the moisture in the soil exceeds a specified limit.
- Water demand estimates shall be subject to the review and acceptance by ARJWW.

☐ **Provide funding (Water Balance Mitigation Fee)**

Once ARJWW has reviewed and approved the Applicant's estimated water demand projections, the owner/developer must provide to ARJWW a Water Balance Mitigation Fee in the amount of \$10 per gallon per day (gpd) for proposed projects with an estimated future usage of 10,000 gpd or less of new or expanded usage, based on the proposed annual average water demand. ARJWW will use the funds at its discretion to fund water conservation activities.

If a project's estimated average daily water demand is greater than 10,000 gpd, a Water Balance Mitigation Fee of \$20 per gpd will be assessed for every gpd above 10,000 gpd. ARJWW shall also have the discretion on a case-by-case basis to require the owner/developer to perform mandatory water conservation work in lieu paying the mitigation fee, or a portion of the mitigation fee.

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WATER BALANCE PROGRAM APPLICATION

SECTION 5 - ACKNOWLEDGEMENTS

The Applicant acknowledges (by checking each box) that:

- ☐ This application must be complete in order for ARJWW to complete its review. A complete application should include this form.
- ☐ The Applicant is responsible for all costs of the Water Balance Plan development and implementation. In order for ARJWW to complete the review of the application, a permit application fee of \$1,000 is required to be submitted with this application for all projects with a proposed water demand greater than 1,000 gpd. A receipt of the \$1,000 application fee will be provided. Depending on the size and complexity of the proposed project, additional application fees may be required for ARJWW to complete the application review on a case by case basis. Any such additional application fees will be billed to the Applicant and final review will be subject to payment.
- ☐ The Applicant acknowledges that the requirement for a Water Balance Plan is based upon current water withdrawal limits regulated by the DEP. A Water Balance Plan may or may not be required in the future. ARJWW reserves the right to alter the requirements, mitigation fees, or discontinue this program at any time.
- ☐ For the Applicant-Directed Water Conservation Option, water service will not be rendered to the Applicant's project until the activities described by the Applicant's Water Conservation Plan, as approved by ARJWW, have been completed by the Applicant. A written acknowledgement that the Applicant has complied will be provided. Projects involving expansion of existing water demand requiring either construction or change in use must comply with the plan in order to maintain water service delivery.
- ☐ For the Water Balance Mitigation Fee Option, water service will not be provided to the Applicant's project until the Applicant has provided ARJWW with the required funds.
- ☐ The applicant acknowledges ARJWW or its designee will routinely review the project's water use. In the event the actual usage exceeds the estimated usage the applicant shall immediately submit another Water Balance Program application under the existing terms and conditions of the program and take steps as required by the Water Balance Program to offset the additional usage.

Acknowledged by the APPLICANT:

ABINGTON/ROCKLAND JOINT WATER WORKS
Serving Customers in Abington, Rockland, Pembroke, and Hanson

WATER BALANCE PROGRAM APPLICATION

PRINT (TYPE) NAME: _____

TITLE: _____

SIGNATURE: _____ Date of Signature: _____

Acknowledgement of Receipt by ARJWW:

PRINT (TYPE) NAME: _____

TITLE: _____

SIGNATURE: _____ Date of Signature: _____

To be completed by ARJWW and Returned to Applicant. (Calculations, fees, and other requirements are good for one year after acceptance by ARJWW. Projects not under construction within a year of acceptance are subject to change).

Mitigation Fee Calculation and Summary:

Residential or Commercial Usage (gpd): _____

Irrigation Usage (gpd): _____

Total Usage (gpd): _____

- a. Mitigation Fee (projects less than 10,000 gpd):

\$ _____

- b. Mitigation Fee (projects greater than 10,000 gpd):

\$ _____

- c. Mandatory Conservation

Yes No

Amount Required: _____ gpd



Abington/Rockland Joint Water Works
366 Centre Avenue
Rockland, MA 02370

Tel No: (781) – 878 - 0901

NEW CONSTRUCTION/NEW CUSTOMER **APPLICATION FOR NEW DOMESTIC WATER SERVICE**

Application is hereby made for water service to be supplied from the Abington/Rockland Joint Water Works (ARJWW) water system. The Applicant agrees to abide by the Rules and Regulations of the ARJWW now in force, or which may hereafter be enacted or adopted.

The Applicant further agrees to be responsible for all payments for water service until service is terminated and a final meter reading is obtained. Premises with remote reading meters must have both inside meter and outside remote reading devices read. It is further agreed that the ARJWW representatives may enter upon the property and enter the premise, with reasonable notice during normal working hours as may be required, for the purpose of inspecting customer's pipes or water meter and reading or changing the water meter.

For ARJWW Use ONLY:

Route Number: _____ Map Number: _____
Account Number: _____ Main Size: _____ Service Size: _____ Meter Size: _____
Service Number: _____ Fire Service: Yes ___ No ___ (If Yes, size: _____) Hydrant(s): _____

Date Service Requested _____

Print Name _____ Print Name _____

Signature _____ Date _____ Signature _____ Date _____

Water Service Address _____ Town _____ Zip Code _____

Telephone: Home _____ Work _____ Cell _____

Mailing Address _____ Email Address: _____

Owner Occupied: Yes _____ No _____ Town Sewage Yes _____ No _____

Meter Location (check one): Meter Pit ___ Basement ___ Utility Room ___ Other ___ (Describe _____)

Classification: Residential ___ Commercial ___ Industrial ___ Other ___ (Define _____)

Lawn Irrigation System: Yes ___ No ___ Private Well: Yes ___ No ___

Number of: Bedrooms ___ Bathrooms ___ Kitchens ___ Laundry ___ Other (Describe _____)

NOTE: Non-residential applicants are required to provide a separate inventory of type and number of fixtures and water demand projections (refer to Request for Service Application). If a property has an irrigation system and/or fire protection system additional forms are required to be completed by the owner. ARJWW encourages all customers to use water wisely.



**ABINGTON/ROCKLAND JOINT WATER WORKS
FEE SCHEDULE AND RULES FOR SERVICE**

Effective 4/16/2025

INSTALLATION:

1. For all existing and proposed water installations the following rules shall apply:
 - A. Property owner or agent shall prepare and submit all forms and permit applications for new service.
 - B. Property owner or agent must meet with the Water Superintendent and/or the Water Commissioners to obtain authorization to utilize the municipal system.
 - C. Property owner or agent must provide the Water Commissioners or their designee with a performance guarantee, which will be released after the project is complete and accepted by the Town and Water Commissioners.
 - D. The amount of the performance guarantee shall be determined by the Water Superintendent.
 - E. Upon request, property owner shall grant access for a representative of Abington/Rockland Joint Water Works to enter the property and premise for the purpose of inspecting or replacing the water meter.

APPROVAL:

1. **Water approval will be granted for shovel-ready projects.**
2. **Water allocation is approved for a 12 month basis per project.**

CHARGES:

All charges paid will require verification by the Water Department that the funds are secured prior to proceeding with the applied intended use for which the charge was rendered. All fees must be paid in full prior to beginning any work related to water. Fees include (but are not limited to): water mitigation fees, tap fees, sprinkler fees, and multiunit fees etc.

1. The Water Main Tapping Charges and the Fire Sprinkler Development Charges will be assessed and paid in full **prior** to scheduling any work or system tie in.
2. The Domestic Water Service Charges & Mitigation Fees will be assessed and paid in full **before** the project begins.
3. Cost of Service installation will be charged to applicant separate from the Domestic Water Service Charge.
4. Water main activation fees must be paid in full prior to all appointments. Any additional fees incurred will be assessed and must be paid in full prior to the water main activation (final step).

WATER MAIN TAPPING CHARGES:

In order to Tap into the municipal water system and install additional water main, a Water Main Tapping Charge must be paid.

3 inch	\$ 50,000.00
4 inch	\$ 60,000.00
6 inch	\$ 70,000.00
8 inch	\$ 80,000.00
10 inch	\$ 90,000.00
12 inch	\$100,000.00
16 inch	\$120,000.00

DOMESTIC WATER SERVICE CHARGES:

<u>Service Size</u>	
1-inch	\$ 3,500.00
1-1/2 inch	\$ 5,500.00
2-inch	\$ 9,500.00
3-inch	\$ 15,500.00
4-inch	\$ 21,500.00
6-inch	\$ 33,500.00
8-inch	\$ 45,500.00
Newly constructed or Restructured Multiple Unit Fees	<u>Each Unit</u> <u>\$3,500</u>

WATER BALANCE PROGRAM – MITIGATION FEE:

All applicants subject to the Water Balance Program intending to connect to the municipal water system or expand the use of an existing service shall pay a Water Balance Mitigation Fee of \$10/gpd for projects < 10,000 gpd or \$20/gpd for projects ≥10,000 gpd based on using Title 5 Sewer Flow Estimates (per 314 CMR 7.15)

NEW METER CHARGE:

5/8" meter	\$ 500.00
5/8" x 3/4" meter	\$ 500.00

An additional fee of \$250.00 will be charged if department is required to return to the location due to it not being properly prepared for the scheduled meter installation.

METER TESTING: \$ 50.00

DAMAGED METER CHARGES:

Any meter frozen, tampered with, and/or removed will be noted. A second offence will be assessed the following charges.

REPAIR / REPLACEMENT OF FROZEN OR DAMAGED METER \$250.00 Plus Usage/Repair/Materials

REPAIR TAMPERED METER \$500.00 Plus Usage/Repair/Materials

METER REMOVAL \$150.00 Each Removal

These charges do not include plumbing or overtime charges. Overtime rates are 1 ½ times the normal rate – 4 hour minimum.

FIRE SPRINKLER DEVELOPMENT CHARGES:

\$1.00 Per Sq. Ft. or any portion thereof Per Building

ANNUAL STANDBY SPRINKLER CHARGE:

\$100.00 Per Inch or any portion thereof Per Building

INSPECTION CHARGES:

Water Service Installation	\$ no charge initial inspection
	\$ 50.00 additional inspections

WATER MAIN ACTIVATION: (updated 9/14/23)

Initial 2hr pressure test observation (min 150 psi for domestic & 200psi for sprinkler), witness of chlorination, water main flush & witness of dechlorination, and observation of bacteria sample collection. \$500.00

Additional observation or acts \$100.00/hr

Chlorine for disinfection must be provided during construction. The Department will not chlorinate or dechlorinate mains during the pressure test.

FIRE FLOW TEST:

Fire Flow Test	\$ 500.00
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CROSS CONNECTION PROGRAM:

Cross Connection Surveys:	
System requiring up to two devices	\$ 125.00
Each additional device	\$ 100.00

Cross Connection Device Testing:	
Each device tested	\$ 100.00

FINES:

Only the Water Department Employees will turn on water. Any main or service activated by other than Department Personnel is subject to a \$ 300.00 fine per incident.

ABINGTON/ROCKLAND JOINT WATER WORKS

366 Centre Avenue, Rockland, MA 02370

Phone: 781-878-0901

For Company Use

Account No. _____ Service Number _____

Hydrant No(s). _____

**APPLICATION FOR SPECIAL
CONNECTION/FIRE SERVICE**

This application made in triplicate this ____ day of _____, 20____
by _____, doing business
at _____

hereinafter called the "Applicant", to the Abington/Rockland Joint Water Works (ARJWW) a
registered public water supply system with the Commonwealth of Massachusetts, doing business at
366 Centre Avenue, Rockland, MA 02370, hereinafter referred to as the "Joint Water Works" or
"ARJWW".

Applicant:

The Applicant, upon the terms and conditions hereinafter set forth, hereby applies to the ARJWW
for private fire protection service consisting of the right to connect an ____ inch service pipe to the
street main of the ARJWW at _____ between _____
_____ and _____ in the Town of _____, MA and attached
to said service pipe the following fixtures and openings; all of which fixtures and openings to be
located within or upon the premises of the Applicant abutting the street on which the said main of
the ARJWW is located.

To Be Completed By Applicant:

Hydrant _____

Fire Service main (may have hydrant(s) connected to Fire Service) _____

(check only one of the above)

Size of Fire Service Tap: _____ Hydrant Only _____

Number of Sprinkler Heads: _____ Number of Hydrants connected to Fire Service _____

Flow Test Date: _____

Person(s)/Company performing flow test _____

Address and Phone Number _____

Test Hydrant Number _____

Flow Hydrant Number _____

Static Pressure Test Hydrant _____

Static pressure Flow Hydrant _____

Residual pressure Test Hydrant _____

Residual pressure Flow Hydrant _____

Measured Flow Rate (GPM) _____

Flow Rate at 20 PSI (GPM) _____

Attach copy of Flow Test

To Be Completed By Applicant

Applicant's Flow Requirement at ARJWW main _____ GPM at 20 PSI residual

ARJWW Approved Backflow Device (If Applicable)*: Proposed Size: _____ Make: _____
Model: _____

* Applicant: All backflow prevention devices **MUST** be approved prior to completion of this application. Please complete separate design data sheet for each device and submit to ARJWW for review and approval.

In consideration for which privilege the Applicant agrees to be bound by all the terms and conditions of this application and pay the ARJWW for private fire protection service to the schedule of rates in effect from time to time during the rendition of such service. The further terms and conditions upon which the ARJWW may accept this application are as follows:

First: That this application and the acceptance thereof by the ARJWW is subject to the prior approval of the fire department having jurisdiction of the premises to be served.

Second: That the entire private fire protection service system on Applicant's premises shall be subject to the inspection, test and approval of the ARJWW, and the ARJWW by its representatives, shall have the right to enter the premises of the Applicant at any reasonable time for the purpose of making such reasonable inspections as it may deem necessary, and to ensure compliance with the terms and conditions of this application.

Third: That all pipes and appurtenances shall be constructed and maintained in good condition by and at the expense of the Applicant.

Fourth: That a fire line meter or detector device, approved by both the ARJWW and the fire underwriters, will be required on the service at a location approved by the ARJWW. Such meter or device shall be installed and maintained by and at the cost and expense of the Applicant, but subject to the inspection and approval of the ARJWW. The by-pass meter only, used with the detector device, shall be furnished, installed and maintained by the ARJWW at its cost and expense.

Fifth: That a gate valve, with post indicator if required by the local Fire Department, controlling the entire supply shall be placed at the curb or property line of the street in which the main is located or at such other point as may be approved by the ARJWW, and shall be furnished, installed and maintained by and at the expense of the Applicant and unless otherwise approved by the ARJWW, said valve shall be installed in a valve pit or vault which shall also be furnished, installed and maintained by and at the expense of the Applicant.



Sixth: That all hydrants and other fixtures connected to the private fire service system shall be kept closed and sealed, and not opened or used except during times of fire or testing. Upon extinguishments of each fire or following each test, the Applicant shall immediately close such fixtures and notify the ARJWW so that they may be sealed. Whenever a private fire protection service system is to be tested, the Applicant shall notify the ARJWW in advance of such proposed test, requesting approval of the method, day and hour on which it is to be made.

Seventh: That no antifreeze or any other substance, not specifically approved by the U.S. Environmental Protection Agency and/or Massachusetts Department of Environmental Protection as non-detrimental to the public water supply, shall be introduced into sprinkling systems or into any pipe, fixture, appurtenance or other portion of the Applicant's private fire protection service system.

Eighth: That the Applicant understands and agrees that the extent of the rights of the Applicant under this application is to receive, but only at times of fire on said premises, such supply of water as shall then be available and no other or greater quantity. The Applicant further acknowledges and agrees the ARJWW shall not be considered in any way or manner an insurer of property or persons, or to have undertaken to extinguish fire or to protect any persons or property against loss or damage by fire, or otherwise, and the ARJWW shall be free and exempt from any and all claims for damages on account of any injury to property or persons by reason of fire, water, failure to supply water or pressure or for any cause whatsoever.

Ninth: That this application does not contemplate uses of fixtures other than those herein stated. Any waste of water or use of water through this connection for purposes other than testing or the extinguishments of fire shall be deemed a violation of the terms and conditions of the Application and of the rules, regulations and conditions of the ARJWW.

Tenth: That if private fire hydrants are included as part of this Application, they shall be painted the color required by the Fire Department.

Eleventh: That the Applicant shall furnish, attach and make a part hereof, three (3) complete sets of drawings showing the pipes, pumps, valves, hydrants, sprinkler systems, hose outlets and connections, standpipes, tanks and other openings and appurtenances contemplated in this application. Such drawings, which shall be stamped "Approved" by the Insurance Services Office or other comparable agency and approved by the ARJWW must also show all other water supply systems and pipelines and appurtenances which are proposed or which may exist on the premises to be served.

Twelfth: That no pipe, fixtures or appurtenances connected with the private fire protection service served by this application shall be connected with any pipe, fixtures or appurtenances supplied with water from any other source, unless specifically approved in writing by the Company.

Thirteenth: That the Applicant agrees to obtain in advance the approval of the ARJWW for any change, alteration, addition or deduction contemplated in the pipes, fixtures, openings and appurtenances and uses herein specified. Notwithstanding the approval of the ARJWW, Applicant agrees that, except for those facilities, which the ARJWW has specifically agreed to provide and maintain, Applicant is and will be solely responsible for the design, adequacy, function and maintenance of its private fire protection service system referred to in this application.

Fourteenth: That the ARJWW has the right to discontinue or disconnect the service pipe herein applied for, and to terminate service under this application, after due written notice to the Applicant, for failure to pay any bill when due, for leakage within Applicant's system, for violation of any of the terms and conditions of this application, or for any violation of its rules, regulations and conditions of service; and the ARJWW also has the right to shut off all or any part of its facilities and discontinue the service without notice when deemed necessary by the ARJWW (1) if a condition dangerous or hazardous to life, physical safety or property exists, (2) upon order by any court, the Public Service Commission or other duly authorized public authority, (3) if fraudulent or unauthorized use of water by Applicant is detected, or if the ARJWW's regulating or measuring equipment has been tampered with by Applicant.

Fifteenth: That upon acceptance of this application by the ARJWW and the completion of the installation of the service pipe applied for, this application shall be in full force and effect as contract and shall continue as such until canceled by written notice given thirty (30) days in advance by the Applicant to the ARJWW, except as otherwise provided in numbered paragraph (14) above.

Sixteenth: its Director of Operations or Vice President must execute the acceptance of this application by the ARJWW before it becomes effective.



IN WITNESS WHEREOF,

The Applicant has hereunto signed and witnessed the day and year first above-written.

(Applicant's Name & Title, Please Print)

(Witness's Name & Title, Please Print)

Signature

Witness Signature

Telephone Number _____

APPROVED this _____ day of _____, 20____

The Fire Chief (or his designee) has hereunto signed and witnessed the day and year first above-written.

(Fire Chief's Name, Please Print)

(Witness's Name, Please Print)

Signature

Witness Signature

**IN WITNESS WHEREOF, the Abington/Rockland Joint Water Works hereby
accepts the foregoing Application this _____ day of _____,
20____.**

WITNESS:

ARJWW

Witness's Name

Name

Witness Signature

Superintendent

Signature



Abington/Rockland Joint Water Works
 366 Centre Avenue
 Rockland, MA 02370
 Phone: 781-878-0901



BACKFLOW DEVICE DESIGN DATA SHEET

REFERENCE: The Commonwealth of Massachusetts, Department of Environmental Protection; 310 CMR 22.22

SECTION A: OWNER'S INFORMATION

Owner's Name and Address:

Phone Number:

SECTION B: FACILITY INFORMATION

Facility Name and Address:

Facility Contact:

Phone Number:

Is the Facility:

New ☐

Existing ☐

SECTION C: DEVICE DATA

Type of backflow device:

Reduced Pressure Backflow Device (RPZ) ☐

Double Check Valve Assembly (DCVA) ☐

*with a metered detector DCVA or RPZ ☐

*Required for all fire service installations per AWC's Fire Service Application

Pressure Vacuum Breaker (PVB) ☐

Manufacturer:

Model Number:

Serial Number:

Device Size: _____ inch(es)

Is this device located on:

Hot Water ☐

Is the device rated for hot water? _____

Cold Water ☐

Location of Device:

Is a bypass present:

☐ No

☐ Yes

If yes explain setup:

Type of equipment the water is supplying:

What is the total number of backflow devices at this property? _____

Type of valves (gate valves under two systems must be UL or FM approved):

SECTION D: CROSS CONNECTION PLAN SUBMITTAL REQUIREMENTS

1. Plumbing plan with completed title block including:
 - a. Facility Name
 - b. Facility Address
 - c. Date
 - d. Preparer
 - e. Scale
2. Schematic or blueprint of plumbing system (at least tabloid, 11"x17") using accepted symbols and nomenclature detailing all of the following:
 - a. Detail device installation clearances/elevations
 - b. Location of upstream and downstream shutoff valves
 - c. Make, model, size and alignment of the device
 - d. Location of potable water lines
 - e. System, source, or equipment fed downstream of device, complete with information on the secondary system (operating pressure, chemical treatment, etc.)
3. When installations of a device involve large or complex plumbing systems, formal prints must be submitted with a Professional Engineer's stamp, subject to the descriptions of the reviewing authority.

SECTION E: OTHER REQUIREMENTS

1. Prior to installation, ARJWW will approve the installation based on the above plans.
2. Test adapters and bushings are to be installed on the backflow device.
3. This Design Data Sheet is to be completed for each backflow device at the property.
4. All fire protection backflow devices require a detector check with a meter

Submitted by:	
Signature:	
Date:	
Of:	
Address:	
Telephone Number:	
Fax Number:	
Owner's Signature:	
Date:	

For questions regarding ARJWW's Cross Connection Program Contact: 781-878-0901