#16-08

AN ORDINANCE DELETING AND REPEALING CHAPTER 352, "WATER" OF THE CODE OF THE TOWNSHIP OF NORTH BRUNSWICK IN ITS ENTIRETY AND CREATING AND ADOPTING A NEW CHAPTER 352, "WATER UTILITY"

§ 352-1 Water Utility Established.

There is hereby established in and for the Township of North Brunswick a Water Utility, to be known as the "Township of North Brunswick Water Utility" which, within this Chapter 352, may be referred to as the "Utility." Any reference to the Utility shall include, by definition, authorized employees or agents of the Township or Utility.

§ 352-2 Supervision of water service and supply.

Water for the usual domestic and manufacturing purposes shall be supplied by the Township of North Brunswick to the inhabitants thereof under the supervision of said Utility, subject to the ultimate control of the Mayor and Council.

§ 352-3 Water Utility management.

There shall be designated by the Mayor of the Township of North Brunswick members of the professional staff who shall have responsibility for the management of Water Utility operations, which shall be primarily based in the Department of Community Development.

§ 352-4 Contracts with water users.

The following regulations shall be considered a part of the contract with every person who uses water, and the fact of using water shall be considered as expressing assent on the part of the user to be bound thereby.

§ 352-5 Applications for use of water.

All applications for the use of water must be made at the office of the Utility in the form prescribed and must state fully and truly the various uses to which the water is to be applied; should it subsequently be required for other purposes, notice must be given before the desired change is made.

§ 352-6 Tapping; tapping fee.

A. Where a tap for a service connection to any water main is required, application therefore shall be made either by the property owner or plumber contracting for or doing the plumbing work in connection therewith. All excavation and trenchwork shall be done by the plumber. No backfilling shall be done until after inspection of work by the Water Utility or the Plumbing Subcode Official has been made.

B. The property owner and/or its authorized agents shall perform all tapping of water mains at their own cost and expense subject to the review, inspection and approval of the Water Utility or its agents.

C. All water taps shall be inspected and approved by the Water Utility or its agents, and all service lines and connections shall be approved by the Plumbing Subcode Official prior to turning on the water.

D The inspection and approval of all tapping of water mains as required and described herein shall incur an inspection fee of $50.00 payable to the Water Utility or its agents.

§ 352-7 Ownership and maintenance of water service lines, water pipes and fixtures.

All persons owning property with water service shall own and be responsible for the maintenance, repair and replacement of the water service line from the water main to the water meter and downstream of the water meter. A water service line may be for domestic water service, fire service or combined domestic water and fire service. The water service line includes the water main tap, corporation and tapping valves, pipe, curb valves and valve boxes, valve upstream of the meter, valve downstream of the meter, test tee (if required), reduced-pressure-zone backflow preventer and its isolation valves (if required), meter pit (if approved), check valve (if required), fire line detector check (fire service, as required), and all other ancillary equipment. The Utility owns and shall repair and replace the water meter, strainer (if required), transmitter, touchpad, meter-to-touchpad wire, and tamper security devices (Utility-owned equipment). The owner is responsible for keeping the Utility-owned equipment accessible, unobstructed, clean and protected from damage. If the owner tampers with or otherwise causes or allows to be caused damage to the Utility-owned equipment, the Utility shall repair or replace the damaged equipment and charge the owner for same.

§ 352-8 Opening of curb valves.

A. Valves at the curb shall be maintained by the property owner and the Utility shall not be responsible for opening and closing curb valves.

B. Any persons turning on the water when it has been turned off at the curb by the Utility shall be subject to the penalties contained in § 352-35 of this chapter.

§ 352-9 Non-liability for damage.

The Township and Utility shall not be liable for any damage resulting from failure to observe these regulations.

§ 352-10 Running water restricted.

In no case shall water be left running without a special permit from the Utility.

§ 352-11 Multiple parties served through one pipe.

When two or more parties take water through one service pipe, provisions in regard to the cutting off of the supply pipe shall be applicable to all parties, although one or more of them may be innocent of any cause of offense.

§ 352-12 Responsibility for rents.

Owners of premises will be held responsible for the rents of their tenants.

§ 352-13 Special permission to supply water.

No water taker shall supply water to parties not entitled to its use, except upon permission from the Utility given in writing.

§ 352-14 Non-liability for stoppage; right to shut off water.

Consumers shall not be entitled to damage, nor will any part of a payment be refunded, for any stoppage of supply occasioned by an accident to any portion of the works, nor for stoppage for the purpose of additions or repairs. The Utility or its authorized agents shall have the right to shut off the water to make extensions, alterations or repairs.

§ 352-15 Accessibility for inspections.

All apparatus and places supplied with water must be accessible and open to inspection by the Utility at all times, and all pipes and fixtures shall be subject to rejection by said Utility if considered unsuitable for the purpose. The Utility shall have unobstructed access to all water meters and other Utility-owned equipment (See § 352-7 for definition.) for the purposes of inspection, reading, testing, repair and replacement.

§ 352-16 Use of fire hydrant water.

No one will be allowed to use water through fire hydrants for any purpose other than fire, except upon written permission from the Utility. Any person wishing to use water from a fire hydrant other than for fire must follow the following procedures: They must be approved by the Utility, withdraw the water through a reduced-pressure-zone backflow preventer and meter provided by the Utility, pay for the water consumed based on the Utility's highest current retail rate, and use either the fire hydrant specifically designated for such use at the Utility of Public Works or a fire hydrant specifically approved for their use by written permission of the Utility. Persons using the fire hydrant equipped with a backflow preventer-meter designated for such use at the Utility of Public Works shall pay for the water consumed and shall not be charged for use of the hydrant or backflow preventer-meter. Persons using water through another fire hydrant specifically approved for their use by the Utility shall pay for the water consumed, pay a deposit of $2,000 for use of a Utility-provided backflow preventer-meter, and pay a rental charge of $150 for use of the backflow preventer-meter for up to three months. After three months, the user must renew

his deposit of $2,000 and pay an additional rental charge of $150 for use of the backflow preventer-meter for up to another three months. The deposit of $2,000 shall be returned, minus the cost of repair for any damage to the backflow preventer-meter incurred during its use, upon return of the backflow preventer-meter.

§ 352-17 Two-Family Houses and Multi-Unit Buildings Treated Separately.

Each two-family house or multi-unit building where there is more than one owner shall be treated as individual units with each unit requiring its own water service and meter. This provision shall not apply to multi-family housing under single ownership, such as apartment buildings, but shall apply to properties that are subdivided or converted to condominiums that are or could be owned by more than one owner.

§ 352-18 Meters furnished by Utility.

A. All water meters shall be purchased by and provided by the Utility or its authorized agents, and the standard for such meters and ancillary equipment shall be approved by the Mayor and Council. All water meters shall be outside-reading-type meters that are compatible with the meter-reading system, software, and equipment currently used or planned to be used by the Utility. All water meters shall meet or exceed the minimum standards of accuracy established by American Water Works Association, Manual M6, Water Meters, Selection, Installation, Testing, and Maintenance. All water meters shall have outside reading touch-pads, which must be located to be easily accessed by the meter-reader. All water meters located in pits outside the building must be in a location that is easily accessed by Utility personnel for reading, inspection, calibration, repair, or replacement in a location that does not accumulate storm water or debris or snow from snow clearing. All water meters located inside of buildings must be in a location that can be easily accessed by Utility personnel for reading the inside meter, for repairs, calibration, inspection, or replacement. All water meters must be installed with an operable valve on both sides of the meter within 24 inches from the meter. The Township of North Brunswick shall own all water meters. The property owner shall protect and care for the water meter, valves, piping, meter pit, wiring, and touch-pad, including protection from freezing and water, including flooding, clearing of water or debris, and prevention of damage or interference by any person or persons.

B. Water meter fees.

(1) The property owner shall be charged for each meter supplied and for the initial installation of a new connection or for the replacement of an inadequately functioning existing meter whose inadequate functioning is the result of the actions or neglect of the property owner. The Utility shall determine the property owner's fee to purchase each new meter. The fee for purchasing meters up to two inches in size shall be:

Schedule of New Water Meter Fees	Meter Installation Fees	Pit-Set Meter Fees
5/8" x 3/4"	$56.50	$181.33
1"	$56.50	$262.15
1 1/2"	$115.00	$405.53
2"	$115.00	$490.08

(2) For meters greater than two inches in size, the fee shall be determined on a case-by-case basis in the following manner: the fee shall be equal to the delivered purchase price of the meter as determined by the Utility or its water supply operator.

C. A second water meter for irrigation and outside uses may be purchased by a property owner upon approval of the Utility. A written application shall be submitted to the Utility, which shall specify the need for a second meter and the purpose for which it is to be utilized. The misuse of a second meter shall constitute a violation, and the property owner shall be subject to the fines and penalties specified in § 352-35 of this chapter.

D. Customers of the system shall be charged an annual facility service charge in accordance with the frequency of scheduled meter reads and based upon the size of the meter as follows:

Meter Size Inches	Annual Cost for Quarterly Read Meters	Annual Cost for Monthly Read Meters
0.625	$34.80	$66.84
0.75	$39.60	$71.64
1	$48.28	$80.28
1.5	$75.20	$107.16
2	$151.52	$183.48
3	$370.80	$402.84
4	$533.52	$565.56
6	$677.32	$709.32
8	$1,042.36	$1,074.36
10	$1,469.12	$1,501.08

E. If an account has more than one meter at the same service address, the portion of the annual facility service charge which represents the cost of meter reading shall be assessed only on the first meter of the account. Additional meters on the same account with the

same service address shall only pay that portion of the facility charge representing the eventual replacement cost of the meter and not the meter reading portion of the facility service charge.

§ 352-19 New service: expenses paid prior to use.

In case of any new service, the bills for work done or materials furnished by the Utility must be paid before the water is turned on.

§ 352-20 Payment of bills; water for building purposes.

A. All bills for water rents, fees, and other charges, except under building permits, shall be owing to the Township of North Brunswick upon the bill date. All rents, fees and charges that have not been paid within 30 days from the bill date shall bear interest at a rate of 8% per annum for principal amounts of $1,500 or less and at the rate of 18% per annum for principal amounts in excess of $1,500 or the maximum interest rate(s) allowed by state law. Interest shall be charged from the 31st day after the bill date until payment is made.

Payments shall be credited to the amounts owed in the following sequence:

(1) Interest on sewer rents;

(2) Interest on water rents;

(3) Miscellaneous charges;

(4) Sewer rents; and

(5) Water rents.

B. All users with meters larger than one inch shall be billed on a monthly basis, except for meters dedicated to fire service or irrigation (lawn sprinklers), which shall be billed quarterly. Users with meters one inch or smaller may also be billed on a monthly basis if the Utility determines it is necessary for meter reading efficiency.

C. For each reading of the meter requested in connection with the transfer of title of real property, there is hereby imposed a fee of $20 in addition to all other fees and charges.

§ 352-21 Claims for deductions.

All claims for deductions from water bills shall be made in writing to the Business Administrator of the Township of North Brunswick who has full power to determine such claims, subject to the review and approval of the Township Council.

§ 352-22 Water rates and charges; bulk water

For all meter readings after July 1, 2016, the rates for water consumed shall be as follows:

A. The following rates and charges shall be paid for water consumption. The Township Council of North Brunswick deems it necessary and proper that the following water fees and charges be paid to the Utility for the use of the potable water system within the Township. The charge shall be calculated upon the rate established per 100 cubic feet of metered water consumption based upon the schedule set forth below.

Water Rates Based On Water Consumption Range			
Rate per 100 Cubic Feet (CF)			
Effective date	**0 to 1,200 CF**	**1,201 to 3,600 CF**	**More than 3,600 CF**
July 1, 2016	$2.628	$4.729	$5.254
July 1, 2017	$2.706	$4.871	$5.412
July 1, 2018	$2.788	$5.017	$5.574
July 1, 2019	$2.871	$5.167	$5.741

B. The monthly rate for fire service lines will be as follows:

Service Pipe Diameter in Inches	**Monthly Rate**
2	$9
3	$21
4	$35
6	$75
8	$130
10	$200
12	$295

C. A second meter connected in accordance with § 352-18C of this chapter shall be billed quarterly based on actual water usage recorded by that meter. The rate shall be the same as specified in Subsection A of this section.

D. Connection fees.

(1) Residential properties. The applicant shall pay a connection charge of $1,525 at the time of the application for each service connection to the Utility water system,

(2) Commercial and industrial properties.

(a) Connection fees on connections made by owners of commercial and industrial properties shall be based on the schedule of fees as set forth below for each building unit connected based on the size of connection:

Size	Connection Fees
1"	$1,525
1 1/2:	$3,400
2"	$5,625
3"	$12,375
4"	$21,250
6"	$33,000
8"	$47,475
10"	$64,625
12"	$84,350

(3) All connection fees shall be collected at the time the construction permit is issued.

F. Bulk water rate.

(1) An entity who purchases water in bulk for resale to other customers outside the geographic limits of the Township shall pay $1,897 per million gallons per day for such purchase.

(2) This rate shall be indexed annually thereafter to the implicit price deflator for state and local government as promulgated by the United States Department of Labor. The indexed adjustment shall take effect January 1 of each year.

(3) Service to such customers shall be provided only at metered locations as approved by the Water Utility or its agents. All meters shall be read and billed monthly. Payments shall become delinquent if unpaid 30 days after billing. Any delinquent balance shall bear interest at 1.5% per month for any unpaid balance.

(4) Meters shall be calibrated in accordance with industry standards under the auspices of the Township. Upon written request and at the expense of the customer, meters may be calibrated more frequently.

§ 352-23 Meter charge for consumers of other water sources.

Any consumer using water in excess of 25,000 cubic feet per quarter who shall discontinue such use by reason of arrangements for a water supply from sources other than the Utility shall pay a service charge of $4 per meter per month.

§ 352-24 Specifications for installation of water services.

A water service is the connection of a property owner's water system to the Township of North Brunswick's water system for the purpose of supplying potable water to the property owner. A water service includes the water service line and water meter, including all connections, devices, fixtures and appurtenances, from the connection to the Township's water main through the water meter to the operating valve and backflow preventer on the downstream side of the water meter. There are two types of water services: Domestic service provides water for domestic, commercial or industrial use other than for fire suppression, and fire service provides water for fire suppression. The installation of water service lines and water meters shall use the construction materials specified herein and shall be constructed as follows, unless otherwise approved in writing by the Utility:

A. Submission of plans and records. The applicant for a new water service or change in size of water service must provide the Utility with a copy of the design drawing and design details of the installation. Installation of the service line must be in accordance with the submitted drawing. Any changes in the service line's design, such as due to underground obstructions, must be approved by the Utility and a record drawing of the final design submitted to the Utility. The location of the tap and service line from the water main up to the curbline or property edge must be accurately shown (within one foot) on the design drawing or, if the installation is different from the design drawing, on the final record drawing.

B. Taps and service line size. The domestic water service line and fire service line to a property may be separate or combined (separate taps and service lines from the water main or a single tap and combined fire and domestic service line from the water main that splits into separate fire service and domestic service lines prior to and near the building line). Taps for two-inch and smaller lines should be made 60° above horizontal. The minimum tap size is one inch. Fire lines must be two inches (minimum size) or four inches and larger. Fire service and domestic service lines of three inches are not permitted. The service line from the water main must be equal to or larger than the size of the tap and remain that size to the fire meter, if a combined fire and domestic service line is used, or the fire meter or domestic meter, as applicable, if separate service lines are used. The property owner is responsible for having a qualified professional determine the sizes of the fire and domestic service lines, or the combined fire and domestic service

line, in accordance with all applicable regulations, codes and insurance or other requirements.

C. Curb valves; valve box covers. For service lines that provide only domestic service or only fire service, install the curb valve 18 inches behind the curb or edge of the property. For combined fire and domestic service lines, install both the domestic service curb valve and fire service curb valve within six feet of the building line and within six feet of each other, following the connection tee to split the domestic and fire services. The valve boxes of tapping valves, gate valves and curb valves on service lines or portions thereof providing only domestic service or combined fire and domestic service shall have metal valve box covers with the word "Water" cast into them. The valve boxes of tapping valves, gate valves and curb valves on service lines providing only fire service shall have valve box covers with the word "Fire" cast into them, including the curb valve on a fire service line after it splits off of a combined fire and domestic service line.

D. Service line connections and fittings. There may be no connections to any water service line prior to any water meter used for billing consumption with the one exception of the connection tee to split fire and domestic services off of a combined fire and domestic service line. There may be no bypasses of domestic water meters, detector checks (other than the required bypass meter) or fire meters without written approval of the Utility. Victaulic fittings are not allowed. Copper service lines must be continuous from valve to valve (no connections or fittings except the connection tee to split fire and domestic service off of a two-inch combined fire and domestic service line) up to the maximum length commercially available.

E. Domestic water service lines up to two inches.

(1) Starting from the water main tap:

(a) Service saddle;

(b) Corporation valve;

(c) Use only soft K copper pipe from the tap to the most upstream indoor ball valve, thereafter, use Schedule L straight copper pipe to either the backflow preventer's downstream ball valve, if a backflow preventer is required, or the meter's downstream ball valve, whichever is farther downstream;

(d) Curb valve and valve box; and valve box with a valve box cover located within five feet of the curb or road edge but not in sidewalk (If the property has a separate fire service line to the main, the valve box cover

must say 'WATER' and be located within six feet of the fire service line curb gate valve);

(e) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Ball valve upstream of water meter;

[2] Strainer, if required by Utility (purchased from Utility);

[3] Water meter (purchased from Utility). Leave at least six inches of straight copper pipe on either side of the water meter as space allows;

[4] Downstream ball valve;

[5] Backflow preventer (if required by the Construction Office);

[6] Downstream ball valve.

F. Fire service line of up to two inches.

(1) Starting from the water main tap:

(a) Service saddle;

(b) Corporation valve; Use only soft K copper pipe from the tap through to the most upstream indoor ball valve, thereafter, use Schedule L straight copper pipe to the backflow preventer's downstream ball valve;

(c) Curb valve and valve box, with a valve box cover that says 'FIRE' that is located within five feet of the curb or road edge but not in sidewalk;

(d) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Ball valve upstream of meter;

[2] A two-inch fire meter approved by the utility with a ball valve on the upstream side of the bypass meter and a check valve followed by a ball valve on the downstream side of the bypass meter;

[3] Downstream ball valve;

[4] Backflow preventer;

[5] Downstream ball valve.

G. Combined fire and domestic water service line of up to two inches.

(1) Starting from the water main tap:

(a) Service saddle;

(b) Corporation valve; Use only soft K copper pipe from the tap through to the connection tee that splits the domestic water off of the combined fire and domestic service line, thereafter, use Schedule L straight copper pipe to the fire service line backflow preventer's downstream ball valve and the domestic service line meter's downstream ball valve;

(c) Connection tee to split the combined service line into separate fire and domestic service lines.

(2) Fire service line downstream of the connection tee:

(a) Curb valve and valve box with a valve box cover that says 'FIRE' that is located within five feet of the curb or road edge but not in sidewalk and is within six feet of the water service curb gate valve;

(b) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Ball valve upstream of meter;

[2] A two-inch fire meter approved by the utility with a ball valve on the upstream side of the bypass meter and a check valve followed by a ball valve on the downstream side of the bypass meter;

[3] Downstream ball valve;

[4] Backflow preventer.

[5] Downstream ball valve.

(3) Water service line downstream of the connection tee:

(a) Curb gate valve and valve box with a valve box cover that says 'WATER' that is located within five feet of the curb or road edge but not in sidewalk and is within six feet of the fire service curb gate valve;

(b) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Ball valve upstream of meter;

[2] Strainer, if required, by the Utility (purchased from Utility);

[3] Water meter (purchased from the Utility). Leave at least six inches of straight copper pipe on either side of the meter;

[4] Downstream ball valve;

[5] Backflow preventer, if required by the Construction Office.

[6] Downstream ball valve.

H. Domestic water lines of four inches and greater.

(1) Starting from the water main tap:

(a) Tapping sleeve;

(b) Tapping valve and valve box;

(c) Gate valve and valve box immediately after the tapping valve if the water main is 16 inches or larger;

(d) Curb gate valve and valve box located within five feet of the curb or road edge but not in sidewalk (If the property has a separate fire service line to the main, the valve box cover must say 'WATER' and be located within six feet of the fire service line curb gate valve);

(e) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Gate valve upstream of the water meter;

[2] Strainer, if required by Utility (purchased from Utility);

[3] Water meter (purchased from Utility);

[4] Mechanical coupling;

[5] Test tee with a two-inch brass gate valve with a plug;

[6] Downstream gate valve;

[7] Backflow preventer, if required by the Construction Office;

[8] Downstream gate valve.

(2) Use only ductile iron pipe with specified push-on or flanged connections.

I. Fire lines of four inches and greater.

(1) Starting from the water main tap:

(a) Tapping sleeve;

(b) Tapping valve and valve box;

(c) Gate valve and valve box immediately after the tapping valve if the water main is 16-inches or larger;

(d) Curb gate valve and valve box located within five feet of the curb or road edge but not in sidewalk (If the property has a separate domestic water service line to the main, the valve box cover must say 'FIRE' and be located within six feet of the domestic water service line curb gate valve);

(e) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] OS&Y gate valve upstream of fire meter;

[2] Neptune High Performance Fire Meter;

[3] Mechanical coupling;

[4] Downstream OS&Y gate valve;

[5] Backflow preventer.

[6] Downstream OS&Y gate valve.

(2) Use only ductile iron pipe with specified push-on or flanged connections.

J. Combined fire service and domestic water service lines of four inches and greater.

(1) Starting from the water main tap:

(a) Tapping sleeve;

(b) Tapping valve and valve box;

(c) Gate valve and valve box immediately after the tapping valve if the water main to be tapped is 16-inches or larger;

(d) Connection tee to split the combined service line into separate fire service and domestic water service lines.

(2) Fire service line downstream from the connection tee:

(a) Curb gate valve and valve box with a valve box cover that says 'FIRE' that is located within five feet of the curb or road edge but not in sidewalk and is within six feet of the domestic water service curb gate valve;

(b) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] OS&Y gate valve upstream of fire meter;

[2] Neptune High Performance Fire Meter;

[3] Mechanical coupling;

[4] Downstream OS&Y gate valve;

[5] Backflow preventer.

[6] Downstream OS&Y gate valve.

(3) Domestic service line of four inches or greater downstream from the connection tee (if the water service is two inches or less, follow the requirements for those sized lines):

(a) Curb gate valve and valve box with a valve box cover that says 'WATER' that is located within five feet of the curb or road edge but not in sidewalk and is within six feet of the fire service curb gate valve;

(b) Following components to be installed inside a heated building or, if approved by the Utility, a meter pit:

[1] Gate valve upstream of the water meter;

[2] Strainer, if required by Utility (purchased from Utility);

[3] Water meter (purchased from Utility);

[4] Mechanical coupling;

[5] Test tee with a two-inch brass gate valve with a plug;

[6] Downstream gate valve;

[7] Backflow preventer, if required by the Construction Office;

[8] Downstream gate valve.

(4) Use only ductile iron pipe with specified push-on or flanged connections.

K. Internal domestic service piping. Internal piping is also subject to plumbing code requirements.

L. Fire line service piping. Fire service lines are also subject to fire code requirements.

M. Irrigation Meters and Service Lines. Water meters used solely for irrigation (watering of outdoor lawns and plants) must be purchased from the Utility and must be installed through a connection tee on the domestic water service line (not a fire service line or combined water and fire service line) upstream from the domestic water meter's upstream valve and downstream of any connection tee that splits the domestic water service line from a combined fire and domestic water service line. The irrigation water meter service line must have both an upstream and downstream ball valves (2-inches and below) or gate valves (4-inches and above) located at least six inches away from the irrigation water meter. If the service line from the water main is a combined fire and domestic water service line, there must also be a ball valve (2-inch and below) or gate valve (4-inch and above) on the domestic service line downstream of the connection tee splitting the domestic service line off of the combined fire and domestic service line and upstream of the connection tee splitting the irrigation water service line off of the domestic water service line. Irrigation water meters may not be installed on the same service line that flows through the domestic water meter (upstream or downstream of the domestic water meter).

N. Meters; strainers; touch pads; meter-to-touchpad wires. All water meters, strainers and fire meters shall be purchased from the Utility. Strainers are required for all compound meters, all turbine meters of six inches or greater and any other meter the Utility feels a strainer is needed for. Touch pads must be located on the outside of the building in an unobstructed location that is easily accessible to the Utility. The meter-to-touchpad wire must be exposed and accessible or run in electrical conduit to facilitate its replacement. Meters for water-irrigation systems must be connected to the domestic water service line prior to the domestic water meter, which connection must be visible for inspection at all times.

O. Testing. Every newly installed water service line shall be subjected by the plumber to a water test under the main pressure for a period of at least 10 minutes. All pipes and appurtenances shall remain uncovered for the duration of the test, and shall show no sign of leakage, and are subject to inspection by the Township of North Brunswick. Upon completion of installation and pressure testing, the service pipe shall be flushed for a period of 30 minutes.

P. Installation of water service line. The water service line shall be laid at a depth of at least four feet below grade. The water service line must be run in a straight line from the water

main to its entry into the building and, if physically possible, perpendicular to the water main. Except where the subsurface conditions make it impracticable, the water service line may be otherwise laid, upon the approval of the Utility of a revised plan showing the proposed location of the water service line. Copper water service lines shall be laid with no connections between any valves and the building foundation or meter-pit entry except for the connection tee to split the fire and domestic services of a combined fire and domestic service line. Copper connections may only be by approved flare or compression fittings. All service pipe from one inch up to two inches shall be bedded and backfilled to 12 inches over the pipe with sand before placing the remainder of trench backfill. All service pipe four inches and larger shall be bedded on three=-quarter-inch clean crushed stone and select fill placed to 12 inches over the pipe before placing the remainder of trench backfill.

Q. Replacement of a service line. When an existing water service line (fire, domestic or combined) is replaced, the abandoned water service line must be cut and capped at the water main by turning off the corporation valve or tapping valve, disconnecting the abandoned water service line, capping the outflow of the corporation valve or tapping valve, and removing all valve boxes on the abandoned water service line.

R. The Utility or Department of Community Development may provide diagrams (Figures 1, 2 and 3) of the water and fire service line specifications provided herein. Should any discrepancy between those diagrams and this section occur, this section shall have precedence.

S. All construction materials specified below must be used, but Utility-approved equivalents may be substituted:

(1) Tapping sleeves for four-inch and larger taps: Mueller H-615 (four-inch to twenty-four-inch D.I., non-pitcast C.I.), H-619 (four-inch to twelve-inch A.C.), H-616 (ten-inch to twenty-four-inch pitcast C.I.).

(2) Resilient wedge gate tapping valve: Mueller T2360-16, Flange x M.J. with accessories; S.S. bolts and nuts with gland with bonding set screws and low zinc bronze valve stem, open counter clockwise.

(3) Resilient wedge gate valve: Mueller A-2360-20, MJ x M.J. with accessories; S.S. bolts and nuts with gland with bonding set screws and low zinc bronze valve stem, open counter clockwise.

(4) Resilient wedge gate valve OS&Y: Mueller A-2360-20, MJ x M.J. with accessories; S.S. bolts and nuts with gland with bonding set screws and low zinc bronze valve stem, open counter clockwise.

(5) Hydrant: Mueller Super Centurian 250, A-423, three-way, five-and-one-fourth-inch main valve, open left, two two-and-one-half-inch hose nozzles and one four-and-one-fourth-inch pumper nozzle, National Standards Threads, six-inch inlet with gland with bonding set screws.

(6) Ductile iron (D.I.) pipe, U.S. Pipe, Class 52 or equivalent Pressure Class Cement Lined Ductile Iron Pipe, Tyton Joint® with FIELD LOK 350 gaskets. The minimum size D.I. pipe for water mains is eight inches.

(7) Ductile iron fittings: U.S. Pipe, Trim Tyton® fittings with FIELD LOK 350 gaskets.

(8) Two-inch detector check: Hersey Weighted Lever Detector Check Valve Model DC with trim kit. Purchase the bypass meter from the Utility.

(9) Service saddles: For one-inch and two-inch taps: Mueller BR2RB series, Bronze, Double Strap for C.I., D.I., and A.C. pipe with AWWA taper thread (Mueller "CC"); for larger taps: as specified by the Utility.

(10) Corporation valve: Mueller B-2508 300tm.

(11) Curb gate valve (one-inch and two-inch): Mueller B-25209. Mueller, 110 Conductive, Compression Connections; for larger sizes as specified by the Utility.

(12) Copper service pipe (one-inch and two-inch): any national brand of soft-rolled K copper.

(13) Service Fittings (1-inch and 2-inch): Mueller, 110 Conductive, Compression Connections. Victaulic fittings may not be used.

(14) Ball valve (one-inch and two-inch): American Valve, T200C Brass Full Port with compression ends.

(15) Valve box: Bingham & Taylor, Cast Iron (C.I.) three-piece, five-and-one-fourth-inch shaft with C.I. ring and cover, adjustment 20 inches to 84 inches, screw type, No. 8 round base with the word specified herein on the round cover.

(16) Service curb box (curb gate valve box): Bingham & Taylor, Plastic, two-inch to two-and-one-half-inch shaft, screw type, including base plate, adjustment 38 inches to 60 inches, with the word specified herein on the round cover.

(17) Four-inch and larger fire meter: Neptune High Performance Fire Service Turbine Meter.

§ 352-25 Estimated charges where meters fail to register.

If a meter gets out of order and fails to register, the consumption will be charged at the rate of the average daily consumption as shown by the meter when in order.

§ 352-26 All metered water to be charged for.

All water which passes through a meter will be charged for, whether used or wasted.

§ 352-27 Plumbers and pipe fitters to make written reports.

Plumbers and pipe fitters shall make full written return for each service, upon blanks furnished by the Utility, of the ordinary and special uses to which water is to be applied, whether for new works, alterations or additions, with a full description of all apparatus and arrangements for using the water. The return shall be made within 48 hours after the completion of the work. The water will in no case be turned on until such return is made.

§ 352-28 Plumbers prohibited from turning on water.

No plumber or pipe fitter shall be allowed to turn on the water.

§ 352-29 Strength of plumbing and piping subject to approval.

The strength of all plumbing and piping will be subject to the approval of the proper officers of the Utility.

§ 352-30 Permission required for certain water connections.

No water connection over 100 feet away from any water main shall be made unless permission therefore is obtained from the Mayor and Council.

§ 352-31 Outside hydrants and faucets.

No outside hydrants or faucets will be permitted except for sprinkling and fire protection unless permission therefore is obtained from the Utility.

§ 352-32 Sewer permit required with certain tapping permits.

At the time a permit is granted for tapping a water main, a sewer permit must be obtained for the same premises, if not already connected therewith, if such premises are located on a street wherein both water and sewer pipes are laid, and an inspection must be made and approval secured of such water connection by the Utility and of such sewer connection by the Plumbing Subcode Official before the work is covered.

§ 352-33 Check valve on inlet pipes required.

Whenever an apparatus is installed to back water, there must be a check valve on the inlet pipe thereof to prevent the water from flowing back through the meter caused by a decreased pressure in the street main.

§ 352-34 Temporary restrictions in emergencies.

In case of emergency when, by reason of drought or otherwise, the available supply of water becomes dangerously low, the Mayor may, by proclamation, adopt such temporary restrictions upon the use of water as are necessary to conserve the available supply.

§ 352-35 Enforcement.

It shall be the duty and responsibility of the Director of the Department of Community Development, or his designees and agents of the Utility, specifically including but not limited to the Plumbing Subcode Official and the Township Engineer, to concurrently enforce the provisions of this article as herein provided.

§ 352-36 Violations and penalties.

Any person violating or failing to comply with any of the provisions of this chapter shall, upon conviction thereof, be punishable by a fine of not more than $2,000 or by imprisonment for a term not to exceed 90 days, or by both such fine and imprisonment, in the discretion of the Judge. The continuation of such violation on each successive day shall constitute a separate offense, and the person or persons allowing or permitting the continuation of the violation may be punished as provided above for each separate offense.

BE IT FURTHER ORDAINED, that if any section, paragraph, subsection, clause or provision of this Ordinance shall be adjudged by the courts to be invalid, such adjudication shall apply only to the section paragraph, subsection, clause or provision so adjudicated, and the remainder of the Ordinance shall be deemed valid and effective; and

BE IT FURTHER ORDAINED, that any ordinances or parts thereof in conflict with the provisions of this Ordinance are repealed to the extent of such conflict.

BE IT FURTHER ORDAINED, This Ordinance shall take effect July 1, 2016 upon passage and publication in accordance with applicable law.