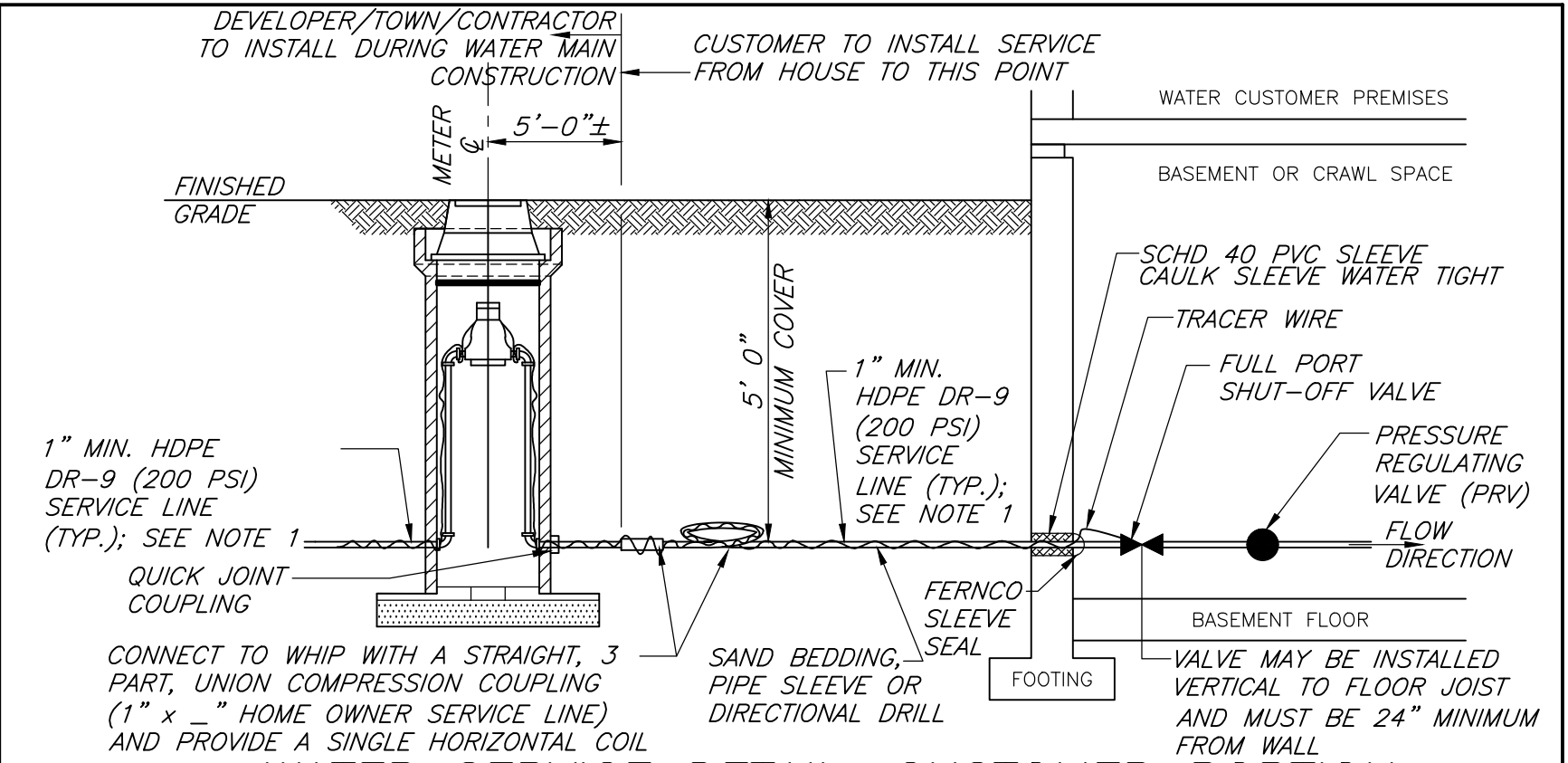
REVISIONS

DATE	COMMENTS

ISSUE DATE: JUNE 2015



WATER SERVICE DETAIL: CUSTOMER PORTION

N.T.S.

NOTES:

1) STAINLESS STEEL INSERTS SHALL BE USED AT ALL HDPE CONNECTIONS.
2) HDPE SERVICE LINE SHALL BE ENCLOSED WITH A SLEEVE PIPE COVER OR FINE SAND BEDDING.
3) TRACER WIRE SHALL BE MADE CONTINUOUS FROM THE METER PIT TO THE BASEMENT OR CRAWL SPACE. CUSTOMER TO CONNECT TO TRACER WIRE AT THE POINT OF CONNECTION NEAR THE METER PIT.
4) THE INTERNAL PLUMBING SYSTEM SHALL BE PROTECTED FROM PRESSURE SURGES, THERMAL EXPANSION, HYDRAULIC SHOCK AND FREEZING PER THE NEW YORK STATE PLUMBING CODE AND BUILDING CODE OF THE TOWN OF BATAVIA.
5) MAINTENANCE OF THE WATER SERVICE FROM THE METER PIT TO AND INCLUDING THE INTERNAL PLUMBING ON PREMISES, AND ITS USE, MUST ALWAYS BE KEPT IN FULL COMPLIANCE. THE FOREGOING REMAINS THE SOLE RESPONSIBILITY OF THE WATER CUSTOMER. THE TOWN'S RESPONSIBILITY ENDS AT THE RIGHT-OF-WAY LINE OR EASEMENT AFTER CONSTRUCTION.
6) THE CUSTOMER MUST SUBMIT A COMPLETED WATER CONNECTION APPLICATION, OBTAIN TOWN APPROVAL TO PROCEED AND SCHEDULE INSPECTIONS BY THE TOWN PRIOR TO BACKFILLING OR PLACING THE CUSTOMER PORTION INTO USE.
7) A LARGER DIAMETER SERVICE LINE MAY BE REQUIRED WHERE DISTANCE, MAIN PRESSURE OR CONSUMER DEMAND ARE A FACTOR. IN SUCH CASES, CONTACT THE TOWN OF BATAVIA.
8) PROVIDE SUFFICIENT SLACK IN SERVICE PIPING TO ALLOW FOR EXPANSION AND CONTRACTION OF THE HDPE PIPE.
9) REFER TO MATERIAL LIST, W-03.

TOWN OF BATAVIA

WATER DETAILS

WATER SERVICE DETAIL: CUSTOMER PORTION

DRAWING W-04C

REVISIONS	
DATE	COMMENTS
06/2017	FIRE DEPARTMENT CONNECTION ADDED
04/2018	UPDATED MODEL NUMBERS & CLARIFIED
09/2018	UPDATED MODEL NUMBERS & REARRANGED

ISSUE DATE: JUNE 2015

STANDARD MATERIAL LIST			
DESCRIPTION & DETAILS REFERENCED	ALTERNATIVE 1 MAKE/MODEL/MATERIAL	ALTERNATE 2 MAKE/MODEL/MATERIAL	COMMENTS
2" PERMANENT BLOW-OFF ASSEMBLY; W-07	SEE 2" WATER SERVICE - CURB BOX BELOW		
	SEE 2" WATER SERVICE - CURB STOP ON BELOW		
	2" QUICK JOINT COUPLING FORD C-84-77-Q	MUELLER 110 COUPLING, H-15428N	
	SEE WATER SERVICE - GRADE RING ON W-03C		
	EAST JORDAN 1566Z FRAME AND 1566 COVER	NEENAH R-1975-A2 FRAME AND COVER	
2" WATER SERVICE - SERVICE SADDLE; W-18	FORD FS313-XXX-CC S/S SERVICE SADDLE	SMITH BLAIR 372 S/S SERVICE SADDLE	
2" WATER SERVICE - CURB STOP; W-18	2" MUELLER 300 CURB VALVE B25209N	NO EQUAL - TOWN STANDARD	
2" WATER SERVICE - METER; W-18	2" SENSUS OMNI T2 WATER METER	NO EQUAL - TOWN STANDARD	TOWN STANDARD IS SENSUS METERS
2" WATER SERVICE; W-18	36" SQUARE EAST JORDAN CASTING ALUMINUM HATCH - H-20 UNINTENDED VEHICULAR TRAFFIC RATE H363610801	36" SQUARE BILCO J-AL-H20 ALUMINUM HATCH	FOR TOB OF 4' SQUARE PRECAST METER VAULT
GATE VALVE; W-07, W-10, W-13, W-20	RESILIENT SEAT, OPEN LEFT, NRS MUELLER MODEL A-2360 MJxMJ WITH S/S FASTENERS	RESILIENT SEAT GATE VALVE NRS, OPEN LEFT KENNEDY 8571 WITH S/S FASTENERS	
WATER MAIN - TAPPING SLEEVE; W-08, W-20	FORD MODEL FTSS STAINLESS STEEL TAPPING SLEEVE	SMITH BLAIR MODEL 665 STAINLESS STEEL TAPPING SLEEVE	
MECHANICAL JOINT PIPE RESTRAINT; W-08, W-09, W-10, W-11, W-12, W-14A	ROMAC XXX-GRAP-IP GRIP RING PIPE RESTRAINT	FORD UFR1500-x-U	
HYDRANT - MUNICIPAL; W-11	5-1/4 BREAK AWAY KENNEDY NO K81A - MUNICIPAL, PAINTED YELLOW	NO EQUAL - TOWN STANDARD	FIELD APPLY SECOND COAT OF YELLOW PAINT AFTER INSTALL. WIRE BRUSH LOOSE OR CHIPPED PAINT
HYDRANT - PRIVATE	5-1/4 BREAK AWAY KENNEDY NO K81D - MUNICIPAL, PAINTED RED		
IN LINE / HYDRANT VALVE BOX; W-10, W-11, W-13	TYLER UNION 6855 SLIP TYPE VALVE BOX	BINGHAM AND TAYLOR FIGURE 4908 SLIP TYPE VALVE BOX	ALTERNATIVE 3: BIBBY STE-CROIX TWO PIECE STYLE TOP FLANGE CODE V683; OR EQUAL
HYDRANT VALVE; W-11	6" RESILIENT SEAT, OPEN LEFT, NRS MUELLER MODEL A-2360 MJxMJ WITH S/S FASTENERS	6" RESILIENT SEAT GATE VALVE NRS, OPEN LEFT KENNEDY 8571 WITH S/S FASTENERS	
SANITARY YARD HYDRANT; W-21	FREEZE FLOW, EXECUTIVE SANITARY YARD HYDRANT, MODEL S135E		

TOWN OF BATAVIA

WATER DETAILS

STANDARD MATERIAL LIST

DRAWING W-03B

STANDARD MATERIAL LIST			
DESCRIPTION & DETAILS REFERENCED	ALTERNATIVE 1 MAKE/MODEL/MATERIAL	ALTERNATE 2 MAKE/MODEL/MATERIAL	COMMENTS
WATER SERVICE – SERVICE SADDLE; W–04B, W–05, W–06, W–13	FORD MODEL FS313–XXX–CC TAP S/S SERVICE SADDLE	SMITH BLAIR 372 S/S SERVICE SADDLE	
WATER SERVICE – CURB BOX, ALL SIZES; W–04B, W–05, W–13, W–18	MUELLER MARK II ARCH STYLE SLIDING CURB BOX WITH STAINLESS STEEL ROD H10334 OR H10310	FORD CURB BOX MODEL EA2–50–60–30 WITH S/S ROD AND CB–7 CURB BOX BASE (IF REQUIRED), LID MARKED "WATER"	ALTERNATIVE 3: A.Y. MCDONALD ARCH STYLE SLIDING CURB BOX MODEL 5606 WITH S/S ROD MARKED "WATER"
WATER SERVICE – CURB STOP; W–04B, W–05, W–06, W–13	MUELLER 300 CURB VALVE B25209N	FORD B44–444–Q–NL	TYPICAL SIZE IS 1" HOWEVER AS DETERMINED BY ENGINEER
WATER SERVICE – PE STIFFENERS; W–04, W–05, W–06, W–07, W–18, W–21	MUELLER PART 505142 S/S INSERTS	FORD INSERT 52 S/S	
WATER SERVICE – METER PIT SETTER; W–04B, W–13	20" DOUBLE LID METER BOX, FORD PDBH–288–20–60 WITH ¾" MIP INLET/OUTLET	AY MCDONALD MODEL 780W260WDPP 33X21 RISER STYLE PIT SETTER	TO ASSEMBLE IN LIEU OF PURCHASING, SEE DETAIL W–04D
WATER SERVICE – GRADE RING; W–04B	METER BOX SUPPORT GRADE RING – KISTNER PB–18–S	LAKELANDS GR–18	
WATER SERVICE – COUPLING; W–04B, W–04D, W–04D, W–06	QUICK JOINT COUPLING FORD C14–34–Q	MUELLER 110 COUPLING, H–1541N	
WATER SERVICE – METER BOX LID; W–04B, W–04D, W–05, W–13	FORD WABASH DOUBLE INSET LID METER BOX COVER W–3–T WITH TOUCH READ HOLE	MUELLER H–10814 PIT DOUBLE WITH CAST IRON COVER	ALTERNATIVE 3: AY MCDONALD MODEL 74M4WT METER BOX COVER AND FRAME WITH INNER LID; ALTERNATIVE 4: VESTAL MODEL W–20P–L R&C w/SN w/TR
WATER SERVICE – METER; W–04B, W–04D, W–13	SENSUS IPERL ⅝x¾ METER PIT LID VERSION WITH MODEL 520R PIT VERSION MXU AND LEAK DETECTION	NO EQUAL – TOWN STANDARD	METER MAY BE LARGER AT THE DISCRETION OF THE TOWN ENGINEER
WATER SERVICE – CORP STOP, ALL SIZES INCLUDING TEMPORARY BLOW–OFF; W–04B, W–05, W–06, W–13, W–18	MUELLER B25008 SERIES 300 BALL STYLE CORPORATION VALVE	FORD FB1000 BALL CORP	
WATER SERVICE – METER PIT INSULATING BLANKET; W–04B	FORD 4' FLEX METER PIT INSULATING BLANKET	OR EQUAL	

REVISIONS

DATE	COMMENTS
04/2018	UPDATED MODEL NUMBERS & CLARIFIED
09/2018	UPDATED MODEL NUMBERS & REARRANGED

ISSUE DATE: JUNE 2015

TOWN OF BATAVIA

WATER DETAILS

STANDARD MATERIAL LIST: SERVICES

DRAWING W–03C

"PRIVATE WELL SEPARATION"

This is an explanation to explain what you have to do with your well, and/or the other sources of water that you may have, in order to receive public water. The term "well" includes all private water sources on the property (cisterns, springs, etc.).

To obtain service from the Town of Batavia, the private water source must be dealt with in accordance with the New York State Sanitary Code, Part V. The New York State and local Health Departments require water purveyors to operate under and enforce the State Sanitary Code. These regulations are meant to protect the public water system as well as the underground aquifer (if you would like a copy of these regulations you can request one from us). As a result, you must choose one of three options to ensure that the well and public water supply are permanently separated. The options are: (1) abandon your well, (2) separate the plumbing of the well and the public sources, or (3) install and maintain an approved backflow prevention device.

Option 1 - Well Abandonment:

The best long-term option for you and the Town of Batavia is to simply abandon your well in accordance with the Health Department regulations. This saves you the expense of using and maintaining the well (i.e., electricity, replacing the well's components such as the pump, bladder tank, foot valve, etc.), the inconvenience of having to abandon the well sometime in the future. In most cases, the cheapest and easiest abandonment method (for a well with a casing pipe) is to remove the casing to a depth of 18 inches below the ground and install a concrete cap. The cost of this method can be reduced further if you are the handy, do-it-yourself type that does not need to have a plumber do all the work. The abandonment must be inspected by the Town, which is done free of charge. Other requirements that must be followed and alternate methods of abandonment for the various types of wells and private sources of water (e.g. dug well or cistern) are described below.

1. Cisterns

    a. Disconnect all incoming source pipes from the gutters or roofs and divert this storm drainage outside.
    b. Drain or pump the cistern dry.
    c. Cut and plug all incoming source pipes either on the inside or outside of the cistern wall.
    d. Disconnect and remove all supply pumps and appurtenances.
    e. Cut and plug all supply piping (suction and discharge) either on the inside or outside of the cistern wall.

2. Springs

    a. Remove any pump, piping, and/or electrical conduit/cable from inside the spring.
    b. Cut and cap the water supply line(s) outside of the spring enclosure.
    c. Cap the water supply line(s) at the inside wall of the house or other structure(s).
    d. Provide drainage relief for the spill basin.

3. Dug Well

    a. Remove well pump, well piping, and electrical conduit/cable.
    b. Cap the water supply line(s) at the inside wall of the house or other structure(s).

c. Fill well with clean fill.

4. Drilled or Driven Well – Scenario No. 1

a. Remove well pump, well piping, and electrical conduit/cable.
b. Plug and cap the water supply line(s) at the inside wall of the house or other structure(s).
c. Lower the well casing a minimum of 18 inches below grade and tightly cap the well casing by employing one of the following methods:

- Place a cover or cap over the top of the well casing. Install a concrete cap, 12 inches in thickness with a round area of twice the diameter of the casing (see Figure No. 1) or a square area with a side dimension of twice the diameter of the casing (not shown in the figure).
- Plastic Casing – Solvent weld a plastic cap to the top of the well casing.
- Cast Iron/Steel Casing – Completely weld (continuous bead) a ¼" steel plate to the top of the well casing.

5. Drilled or Driven Well – Scenario No. 2

a. Remove well pump, well piping, and electrical conduit/cable.
b. Plug and cap the water supply line(s) at the inside wall of the house or other structure(s).
c. Fill well casing with puddled clay (bentonite), concrete, or neat cement (ASTM C150).

Option 2 - Well Separation:

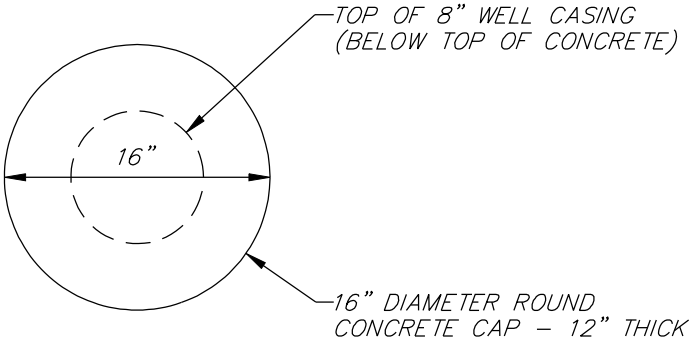
Your second option is separation of the public and the private systems. The plumbing system from your well must be totally isolated from any plumbing connected to the public system.

After you separate the plumbing systems, the Town must inspect them before your water service is turned on. Health Department regulations also require additional inspections, every three years and whenever the home is sold, for as long as the well exists on the property.

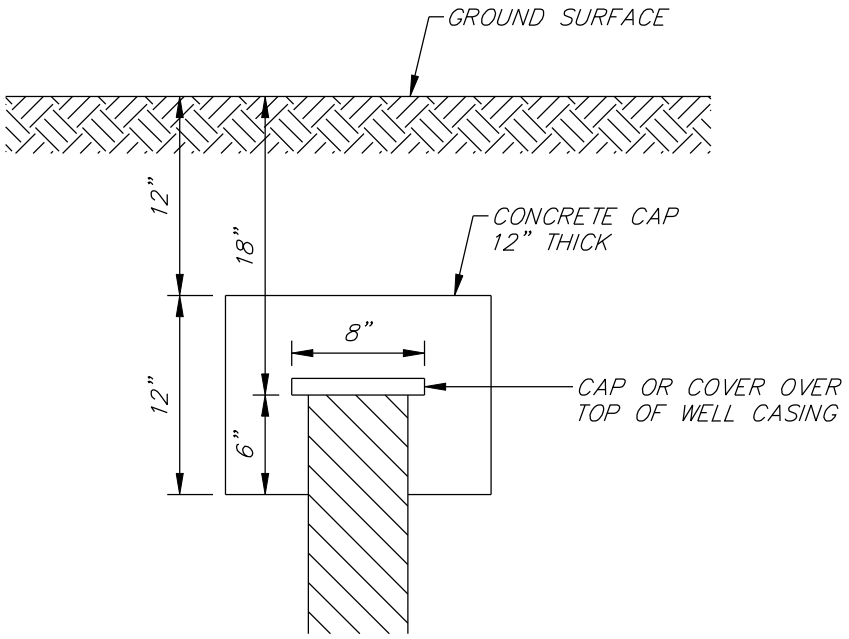
Option 3 – Backflow Prevention Device:

Your third option is to install an approved backflow prevention device on your public service near the meter. This is typically the most costly option, but affords you the greatest flexibility for the use of your well. This option requires the installation of the backflow device be designed by a Licensed Professional Engineer or Architect whom you will need to contact directly. In addition, this device needs to be inspected, initially by the Town, and then every year by a tester certified by the Health Department (usually a plumber).

NOTE: EXAMPLE SHOWN FOR 8" DIAMETER CASING.



TOP VIEW



SIDE VIEW

WELL ABANDONMENT DETAIL

N. T. S.

DATE: 10/24/06 SCALE: NONE	WELL ABANDONMENT DETAIL TOWN OF BATAVIA TOWN OF BATAVIA GENESEE COUNTY NEW YORK	FIGURE # 1