

### **Street Improvements Approved Material List**

All materials shall meet the requirements of the Town's Design Standards and Construction Specifications.

#### **Truncated Domes**

The approved manufacturer for truncated domes is Armor-Tile. All truncated domes shall be made of polymer Brick Red in color (Federal Color No. 22144). Cast in place is the only acceptable method of installation for new construction.

Contact information:

Armor-Tile  
300 International Drive, Suite 100  
Williamsville, NY 14221  
Phone: (800) 682-2525  
Website: [www.armor-tile.com](http://www.armor-tile.com)

The Town will allow other manufacturers of truncated domes if they are approved equals. This approval shall be in writing from the Town Engineer.



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### Potable Water Distribution Approved Material List

All materials shall meet the requirements of the Town's Design Standards and Construction Specifications.

#### **Fire Hydrants**

The approved Fire Hydrants are:

1. Mueller: Super Centurion 250 3-way fire hydrant
2. Waterous: Pacer 250 with cast iron break away flange and on "c" on flange

In addition, all fire hydrants used in the Town of Frederick Water System shall meet the following specifications:

- a. All fire hydrants shall be new
- b. All extension sections must be class 52 ductile iron or cast iron pipe installed per the manufacturer's recommendations
- c. All fire hydrants shall have an oil reservoir and shall be oil lubricated from the factory
- d. All fire hydrants shall have HEX key or wrench style oil screws. Slotted, Phillips, etc. will not be accepted
- e. All fire hydrants shall come with a weather seal
- f. Buried bolts shall be Type 304 stainless steel
- g. All fire hydrants shall be red in color
- h. All fire hydrants shall open left (counterclockwise)

See Section 700 in the Town's Design Standards and Construction Specifications.

#### **Valves**

The approved gate valves are:

1. Mueller: A-2361
2. American Flow Control: DI Resilient Wedge Valve Waterous Model AFC 2500 (C515 only)
3. AVK: Resilient Seated Gate Valve

Butterfly valves must be in accordance with A.W.W.A C-504 with a pressure rating of 150B and designed for direct burial. Valves must be tight closing rubber seat type with seats bonded to the body of the valve. The valves must open counterclockwise and have a 2-inch standard operating nut.

- All valves must feature:
- High Strength bronze or stainless steel stem
- Type 304 stainless steel bolts
- 2-inch square operating nut – open counterclockwise



The approved butterfly valve is:

1. Mueller Lineseal III and XP11 (up to 48")

Reference A.W.W.A. Specification C-504, C207, C116, C550, and ANSI B16.1, and section 700 in the Town's Design Standards and Construction Specifications.

### **Standard Blow-Off**

The approved Blow Off is:

1. Kupferle Foundry Company TF500

### **Valve Boxes**

The approved valve box is:

1. Tyler: Series 6850
  2. Castings: Series 6850
- In addition, the top, middle and bottom sections shall be screw type adjustable cast iron with lid. The boxes shall have a circular base. Top section must be a model 69, 16-1/2 inch in length.

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Tapping Valves and Saddles**

Tapping valves and saddles must conform to the above gate valve requirements specified by the Engineer. All tapping saddles shall be fabricated steel with epoxy coating and stainless steel nuts, washers and bolts.

The approved tapping saddles are:

1. Ford: Style FAST FTSS (PVC)
2. Romac: STS420 SSTIII (PVC)
3. Waterous: Series 1004 or 2800 (DIP)
4. Mueller: Tapping Sleeves H-304SS (PVC) and H-619 (DIP),

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Service Line Tapping Saddles**

The approved service line tapping saddles are:

1. Mueller: BR2S (PCV), BR2 (DIP)
2. A.Y. McDonald: 3855 (PVC), 3825 (DIP)



- All straps must be wide flat and either brass for DIP or stainless steel for PVC.
- All service line tapping saddles shall have a HEX nut. No screwheads allowed. CC threads only.
- There shall be no tapping of asbestos cement pipe in the Town of Frederick

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Curb Stop Valves**

The approved Curb Stops are:

1. Ford: Quick Joint
  2. Mueller: B-25209
  3. A.Y. McDonald: 76100 Series
- Curb stops shall have compression connections only. Stop and waste valves are not allowed in the Town of Frederick.

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Curb Stop Boxes**

The approved curb stop boxes are:

1. A.Y. McDonald: Arch Pattern
  - a. 5601 – ¾ inch & 1 inch  
Lid 5601L
  - b. 5603 – 1 ½ inch & 2 inch
2. Mueller: Arch Pattern
  - a. H10314 – ¾ inch & 1 inch
  - b. H10310 – 1 ½ inch & 2 inch

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Corporations**

Male threads on corporations – ¾ inch through 2 inch shall be CC thread.

The approved corporations are:

1. Mueller B-25008
2. A.Y. McDonald 74701BQ
3. Ford Quick Joint

### **Joint Restraints**

The approved mechanical joint restraints are:



1. EBAA Iron, Series 2000 PV (PVC) 4 inch to 12 inch, Series 1100 (DIP) 3 inch to 12 inch
2. Star Pipe Products: Series 3000, 3000S and 3000OS (DIP), Series 4000 (PVC)

The approved Bell restraints are:

1. EBAA Iron, Series 1500, 1600 and 2800 (PVC), Series 1700 (DIP)
2. Star Pipe Products. Series 3100P (DIP)

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Transition Couplings**

The approved transition couplings are:

1. Romac
2. Dresser
3. Viking

### **Meter**

The approved meter is:

1. Sensus

### **Meter Reader**

The approved automatic meter infrastructure (AMI):

1. Elster: EA\_Water Module 3.0

### **Meter Pits**

The approved meter pits are:

1. Mid-States, MS2048B for 3/4" to 1" meters

### **Meter Covers**

The approved meter cover is:

1. Castings Inc.: Frost Proof M-70-AL, 20" Body
2. NICOR Plastic Top Lid, or similar as approved by the Town

The approved frost cover is:

1. NICOR Plastic, or similar as approved by the Town



### **Meter Yolk**

The approved meter yolk is:

1. Mueller B2474-2N Yolk, with DC (no lead)

### **Meter Coppersettters**

The approved copper settters are:

1. A.Y. McDonald: 737-2WDCC33 for 5/8" X 3/4" meter, 737-3WDCC33 for 3/4" X 3/4" meter, 737-412WDCC 44 for 1" meter, 720B612WDFF 665 for 1-1/2" meter, 720B712WDFF 775 for 2" meter
2. Mueller: B-2472-2 up to 1", D-2423-2 for 1-1/2" to 2" with second angle valve

### **Pipe**

1. P.V.C. – Must be in accordance with A.W.W.A. C-900 for pipes up to and including 12 inch and A.W.W.A. C-905 for pipes larger than 12-inch diameter.
2. Ductile Iron – Must be in accordance with A.W.W.A. C-151 and if lined and coated then the pipe must be in accordance with A.W.W.A. C-104
3. Asbestos Cement – All use is strictly prohibited.
4. All service lines larger than 2 inches must be approved by the Town Engineer.

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Fittings**

1. Ductile Iron & Cast Iron – Must be in accordance with A.W.W.A. C-110 (cast iron) or C-111 (ductile iron).

See Section 700 in the Town's Design Standards and Construction Specifications.

### **Tracing Wire**

The approved tracing wire is:

1. UF type meeting Federal Specification J-C-30A, 12 AWG minimum

The approved splice kit is:

1. 3M Direct Bury Splice Kit model DBR-6

The approved test station box is:

1. Handley T2PS3E



**Chlorine Tablet Adhesives**

1. Permatex Form –A-Gasket No. 2
2. Permatex Clear TRV Silicone Adhesive Sealant

