

**Bedford Regional Water Authority  
Approved Products List  
Effective October 6, 2017**

Items not specifically listed here may require submission of a "Substitution / Or Equal Request" form per Section 01 33 00 – Submittal Procedures in the Master Specifications.

**Section 03 41 00 – Precast Structural Concrete**

1. Waterproofing Admixture
  - a. Penetron
  - b. Xpex Chemical Corporation
2. Manhole Steps
  - a. M.A. Industries, Inc.
3. Access Hatches
  - a. The Bilco Company - Model J-4AL (Non-traffic areas)
  - b. The Bilco Company – Model JH-20 (Traffic areas)
4. Joint Wrap
  - a. Cretex Specialty Products – CretexWrap Exterior Joint Sealer
5. Floor Drains
  - a. Neenah Foundry Company
6. Aluminum Access Ladder
  - a. Clearflow by Americast

**Section 31 23 33 – Trenching and Backfilling**

1. Tracer Wire Access Boxes
  - a. Drainage and Water Solutions, Inc. – Model #MKTWAB (Water)
  - b. Drainage and Water Solutions, Inc. – Model #MKSEWAB (Wastewater)
  - c. Valvco Products - Model #TWAB
  - d. Drainage and Water Solutions, Inc. – Model #TWABADJ18 (Water – Adjustable)
  - e. Drainage and Water Solutions, Inc. – Model #SEWABADJ18 (Wastewater – Adjustable)
2. Electronic Markers
  - a. Tempo – Omni Markers Blue Model 161 (Water)
  - b. Tempo – Omni Markers Green Model 162 (Wastewater)

**Section 32 10 00 – Bases, Ballasts, and Pavements**

1. Concrete Surface Sealant
  - a. Tremco – Dymeric 240FC
  - b. Pecora Corporation
  - c. Dow Corning Corporation

**Section 32 31 13 – Chain Link Fences and Gates**

1. Fences and Gates
  - a. Master Halco, Inc.
  - b. Merchant Metals, LLC

**Section 33 03 00 – Utility Pipe and Materials**

1. PVC Pipe – 4-inches in diameter and smaller
  - a. CertainTeed Corporation – Yelomine
  - b. Victaulic Company – Aquamine
2. Ductile Iron Pipe and Fittings Linings – Wastewater
  - a. Induron Coatings, Inc. – Protecto 401 Ceramic Epoxy
3. Water Service Polyethylene Tubing - 2-inches in diameter and smaller
  - a. Endot Industries, Inc. – Endopure
4. Low Pressure Force Main Service Polyethylene Pressure Tubing
  - a. Endot Industries, Inc. – Endot Green Sewer Pipe
  - b. Endot Industries, Inc. – Endopoly

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5. Mechanical Restraining Devices
  - a. Mechanical Joints – Ductile Iron
    - i. EBAA Iron, Inc. - Megalug Series 1100
    - ii. Sigma Corporation - One-Lok Series SLDE
    - iii. Romac Industries, Inc. – RomaGrip
    - iv. Star Pipe Products – Stargrip Series 3000
  - b. Mechanical Joints – PVC C-900
    - i. EBAA Iron, Inc. - Megalug Series 2000PV/2000SV
    - ii. Sigma Corporation - One-Lok Series SLCE
    - iii. Romac Industries, Inc. – PVC RomaGrip
    - iv. Star Pipe Products – PVCStargrip Series 4000
  - c. Mechanical Joints – PVC C-909
    - i. EBAA Iron, Inc. - Megalug Series 19MJ00
    - ii. Ford Meter Box Company - UniFlange Circle Lok Series 1500
  - d. Push-On Joints – Ductile Iron
    - i. EBAA Iron, Inc. - Megalug Series 1700
    - ii. Sigma Corporation - One-Lok Series SLDEH
    - iii. Ford Meter Box Company - UniFlange Series 1450
    - iv. Star Pipe Products – Stargrip Series 3100P
  - e. Push-On Joints – PVC C-900
    - i. EBAA Iron, Inc. - Megalug Series 1500 or 1900
    - ii. Sigma Corporation - PV-Lok PWP
    - iii. Ford Meter Box Company - UniFlange Series 1390 or 1399
    - iv. Romac Industries, Inc. – RomaGrip Series 611
    - v. Star Pipe Products – PVC Stargrip Series 1100 or 4100P
  - f. Push-On Joints – PVC C-909
    - i. EBAA Iron, Inc. - Megalug Series 1900
    - ii. Ford Meter Box Company - UniFlange Series UFR1399
6. Water Service Couplings
  - a. Ford Meter Box Company - Pack Joint Couplings Series “C44”
  - b. A.Y. McDonald Manufacturing Company – Mac-Pak Compression Connectors Series “22”
  - c. Mueller Company – Pack Joint Connection
7. Low Pressure Force Main Couplings
  - a. The Lateral Connection Corporation – Cepex Performance Series
8. Pressure Couplings
  - a. Total Piping Solutions, Inc. – Hymax 2000
  - b. Viking Johnson – Maxifit
  - c. Romac Industries, Inc. – Style XR501
9. Gravity Sewer Couplings
  - a. Harrington Corporation (HARCO)
10. Pipe-to-Concrete Structure Connections – New Connections
  - a. A-LOK Products, Inc. – Z-LOK Cast-in-Boot Connector
11. Pipe-to-Concrete Structure Connections – Field Connections
  - a. A-LOK Products, Inc. – Z-LOK Connector Mounted In-Field Sleeve
  - b. Press-Seal Gasket Corporation – PSX Direct Drive
  - c. NPC, Inc. – Kor-N-Seal I 106-406 Series
12. Casing Spacers
  - a. Spider Manufacturing
  - b. Raci North America

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- 13. In-Casing Pipe Restraints
  - a. Ductile Iron
    - i. U.S. Pipe Company – Field-LOK
  - b. PVC
    - i. Diamond Plastics Corporation – Diamond Lok-21
    - ii. Ford Meter Box Company, Inc. – UniFlange Series 1500 Circle Lock
- 14. Pressure Test Gauges
  - a. Ashcroft, Inc. – Type 1082

**Section 33 04 00 – Valves and Cocks**

- 1. Gate Valves
  - a. Mueller Company
  - b. Kennedy Valve
  - c. American Valve, Inc.
  - d. Clow Valve Company
  - e. AVK Group
- 2. Check Valves
  - a. Kennedy Valve – Figure 106 LW or 1106 LW
  - b. Mueller Company – Series A 2600-6-01
- 3. Butterfly Valves - Water
  - a. Keystone RMI Dubex
  - b. Kennedy Valve – Series 4500
  - c. Clow Valve Company – Style 4500
  - d. M&H Valve Company
  - e. Mueller Company – Lineseal XP11
  - f. DeZurick – BAW
- 4. Butterfly Valves – Water (Underground)
  - a. DeZurick – M Series
  - b. Clow Valve Company
  - c. M&H Valve Company
- 5. Pressure Relief Valves
  - a. Cla-Val Company – Model 50G-01BPVYKCKX D.S. X101
- 6. Pressure Reducing Valves
  - a. Cla-Val Company – Model 94G-01ABPSVKCKOKX D.S. 150 ANSI
- 7. Solenoid Pressure Reducing Valves
  - a. Cla-Val Company – Model 93EG-01BPSVYKCKOKX D.S. 150 ANSI
- 8. Tapping Sleeves
  - a. Ford Meter Box Company, Inc. – Style FAST
  - b. Smith-Blair – Model 663
  - c. Romac Industries, Inc. – Model SST
- 9. Tapping Valves
  - a. Mueller Company – Series T-2361
- 10. Saddles
  - a. Ford Meter Box Company, Inc. – FS 202
  - b. Romac Industries, Inc. – Style 202S
  - c. A.Y. McDonald Manufacturing Company – Model 3845
- 11. Saddles – Small Diameter PVC Pipe
  - a. Ford Meter Box Company, Inc. – S70
  - b. A.Y. McDonald Manufacturing Company – Model 3891
- 12. Saddles – Force Mains
  - a. Ford Meter Box Company, Inc. – S70 or S71
  - b. Romac Industries, Inc. – Style 306
  - c. A.Y. McDonald Manufacturing Company – Model 3891

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13. Flexible Tap Saddles – Concrete and Clay Sewers
  - a. Fernco, Inc.
14. Service Meters – 1-inch and less
  - a. Neptune – Model T-10 with Enhanced R900i Registers
15. Service Meters – 1 ½-inch
  - a. Neptune – Model T-10 Positive Displacement with Enhanced R900i Registers
16. Service Meters – 2-inch
  - a. Neptune – Model Tru/Flo Compound Meter with Enhanced R900i Registers
17. Meter Yokes – 5/8-inch x ¾-inch
  - a. Ford Meter Box Company, Inc. – Y-502
  - b. A.Y. McDonald Manufacturing Company – Model 14-2
  - c. Mueller Company – Model H-5020
18. Cartridge Type Dual Check Valves
  - a. Ford Meter Box Company, Inc. – HHCA94-323
  - b. A.Y. McDonald Manufacturing Company – Model 712-3Y2 33
  - c. Mueller Company – Model H-14464 Series
19. Meter Yoke Expansion Connectors
  - a. Ford Meter Box Company, Inc. – EC-23
  - b. A.Y. McDonald Manufacturing Company – Model 714U2EYBV
  - c. Mueller Company – Model H-14234
20. Copper Meter Setters – 1 ½ - inch Water Meters
  - a. Ford Meter Box Company, Inc. – VBHH76-86-12BHC-1166
21. Copper Meter Setters – 2 - inch Water Meters
  - a. Ford Meter Box Company, Inc. – VBHH77-87-12BHC-1177
  - b. Mueller Company – Model B2423-2N
22. Meter Boxes - 1-inch and less
  - a. Carson – Series 2200
23. Cast Iron Meter Box Covers
  - a. Ford Meter Box Company, Inc. – WA3L-LL
  - b. A.Y. McDonald Manufacturing Company – Model 74MAL115E
24. Meter Boxes – 1 1/2-inch and 2-inch Water Meters
  - a. Carson – Series 0030-B
25. Cast Iron Meter Box Covers - 1 1/2-inch and 2-inch Water Meters
  - a. Ford Meter Box Company, Inc. – MC30
26. Fire Service Water Meters
  - a. Neptune – Model HP Protectus III with Enhanced R900i Registers
27. Water Meter Vaults
  - a. Clearflow by Americast
28. Access Hatches
  - a. Bilco - Model J-4AL (Non-traffic areas)
  - b. Bilco – Model JH-20 (Traffic areas)
29. Corporation Stops - 1-inch and less
  - a. Ford Meter Box Company, Inc. – FB1000
  - b. A.Y. McDonald Manufacturing Company – Model 74701-22
  - c. Mueller Company – Model P-25008N
30. Corporation Stops – 1 1/2-inch and greater – Male Iron Pipe Thread
  - a. Ford Meter Box Company, Inc. – FB4000
  - b. A.Y. McDonald Manufacturing Company – Model 73128B
  - c. Mueller Company – Model B-2996N
31. Corporation Stops – 1 1/2-inch and greater – Female Iron Pipe Thread
  - a. Ford Meter Box Company, Inc. – FB1600
  - b. A.Y. McDonald Manufacturing Company – Model 73148B
  - c. Mueller Company – Model B-20045N

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32. Corporation Stops – Low Pressure Force Main Service – 1 ¼-inch or 1 1/2-inch
  - a. Ford Meter Box Company, Inc. – FB400, FB500, FB1600 or FB1700
  - b. A.Y. McDonald Manufacturing Company – Model 73148B
  - c. Mueller Company – Model B-20045N or B-20046N
33. Curb Stops
  - a. The Lateral Connection Corporation
34. Air Release Valve – Water
  - a. Cla-Val Company
  - b. Val-Matic Valve & Manufacturing Corporation
  - c. GA Industries
  - d. Crispin Valves – X Series
35. Air Release Valve – Sewer
  - a. A.R.I. Valves – Model D-025 (Pressure <100psi)
  - b. A.R.I. Valves – Model D-020 (Pressure >100psi)
36. Automatic Blow-off Valve
  - a. Hydroguard – HG-2 or HG-5, Signature Series, Direct Discharge Unit
37. Sample Taps
  - a. Kuperle Foundry – Eclipse #88
38. Pipe Repair Clamps
  - a. Krausz USA – Hymax Versa
  - b. Romac Industries, Inc. – Style CL, SL or SS
39. Valve Box Adapters
  - a. Adaptor, Inc. – Valve Box Adaptor II

**Section 33 12 13.13 – Water Supply Backflow Preventer Assemblies**

1. Backflow Preventer Double Check Valve Assembly
  - a. American Backflow Specialties – Hersey 2
  - b. Watts – Model LF709
  - c. Mueller Company – H-9505
2. Pressure Vacuum Breaker
  - a. Zurn Wilkins – Model 720A
3. Spill-Resistant Vacuum Breaker
  - a. Zurn Wilkins – Model 460XL

**Section 33 12 19 – Water Utility Distribution Fire Hydrants**

1. Fire Hydrants (*Substitutions not permitted*)
  - a. Mueller Company – Model A423
  - b. American Darling – Model B 84B
  - c. Kennedy – Model K-81D
2. Potable Water Yard Hydrants
  - a. Woodford Manufacturing Company – Model S4H
  - b. Hoeptner Perfected Products – Model 2133 ADA
3. Fire Hydrants with Check valves
  - a. Mueller Company – Super Centurion 250/HS
4. Factory Applied Coating System
  - a. American Valve and Hydrant – Dupont Imron 3.5HG Polyurethane Coating System – Two (2) Component
5. Fire Hydrant – Prime Coating
  - a. Krylon Industrial - Rust-Tough Acrylic Alkyd Enamel
6. Fire Hydrant – Final Coating (Hydrant Body, Bonnet, Hose Nozzles, Pumper Nozzle and Caps)
  - a. Sherwin Williams – Silver-Brite Aluminum - Code #B59S11

**Section 33 30 00 – Sanitary Sewerage Utilities**

1. Interior Drop Manholes
  - a. Duran, Inc. – Reliner Inside Drop Bowl

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2. Manhole Inverts – End of Steep Slopes
  - a. Duran, Inc. – Reliner Modular Manhole Invert Channel System
3. Manhole Frames
  - a. EJ – Model 1045Z
  - b. EJ – Model 1045Z (Watertight)
4. Manhole Covers
  - a. EJ – Model 1040 AGS
  - b. EJ – Model 1040AGSCL
5. External Frame-Chimney Seals
  - a. Cretex
  - b. NPC Flexrib
6. Exterior Joint Wrap
  - a. Cretex Specialty Products – Cretex Wrap External Joint Sealer
  - b. Press-Seal Gasket Corporation – EZ-Wrap
7. Interior Sealant
  - a. CCI Spectrum, Inc. - Spectrashield

**Attachment**

Table 1: Meter Settings Parts List

### METER SETTING PARTS LIST

	FORD	A. Y. McDonald	Mueller
<b>SINGLE METERS (5/8" X 3/4" or 3/4")</b>			
Ball Corp Stop (1" AWWA/CC Taper X 1" CTS PJ)	FB1000-4-NL	74701B-22	P-25008N
Yoke Bar (5/8"X3/4")	Y502 (Y503 for 3/4")	14-2 (14-3 for 3/4")	H-5020 (H-5030 for 3/4")
Expansion Connection (3/4" Standard)	EC-23-NL	714-2EHG	H-14234N
Angle Yoke Ball Valve (1" CTS PJ X 5/8"X 3/4" & 3/4" Meter Yoke Nose)	BA94-324W-NL	74602BY-22	P-24273N
<b>OR</b>	<b>OR</b>	<b>OR</b>	<b>OR</b>
Angle Yoke Ball Valve (3/4"FIP X 5/8"x3/4" & 3/4"Meter Yoke Nose)	BA91-323W-NL	74604BY	B-24278N
+	+	+	+
Coupling (1" CTS PJ X 3/4"MIP)	C-84-34-NL	74753-22	P-15428N
Dual Angle Check (3/4" CTS PJ X 5/8"X 3/4" & 3/4" Meter Yoke Nose)	HHCA94-323-NL	712-3Y2 33	H-14464-AN
<b>DOUBLE METERS (5/8" X 3/4")</b>			
Ball Corp Stop (1" AWWA/CC Taper X 1" CTS PJ)	FB1000-4-NL	74701B-22	P-25008N
U-Branch (1"CTS PJ X 3/4" MIP) 1"X3/4"X7.5"	U48-43-NL	708U2M	P-15363N
Yoke Bar (5/8"X3/4")	Y502	14-2	H-5020
Expansion Connection (3/4" Standard)	EC-23-NL	714-2EHG	H-14234N
Angle Yoke Ball Valve (3/4"FIP X 5/8"X 3/4" & 3/4" Meter Yoke Nose)	BA91-323W-NL	74604BY	B-24278N
Dual Angle Check (3/4" CTS PJ X 5/8"X 3/4" & 3/4" Meter Yoke Nose)	HHCA94-323-NL	712-3Y2 33	H-14464-AN
<b>1-Inch METERS</b>			
Ball Corp Stop (1" AWWA/CC Taper X 1" CTS PJ)	FB1000-4-NL	74701B-22	P-25008N
Yoke Bar (1")	Y504	14-4	H-5040
Expansion Connection (1" Standard)	EC-4-NL	714-4EHG	H-14234N
Angle Yoke Ball Valve (1" CTS PJ X 1" Meter Yoke Nose)	BA94-444W-NL	74604BY (1" FIP X 1" Yoke) + 74753-22 (1" CTS PJ X 1" MIP)	P-24273N
Dual Angle Check (1" CTS PJ X 1" Meter Yoke Nose)	HHCA94-444-NL	712-3Y2 44	H-14464-AN

<b>Appurtenances (Single &amp; Double Meters)</b>			
Meter Box - Carson 2200 Specification Grade w/ solid cast iron lid (Brooks Box)			
1" PE Service Line (SDR-9 CTS 200 psi)			
3/4" Copper K			
1" Pipe Stiffeners for CTS PJ (same manufacturer as fitting)	Insert 52	6133T	528705