

LAKE COUNTY DEPT. OF UTILITIES APPROVED MATERIALS – WATER

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1. Pipe and Fittings – Sec. 2.01 Rules & Regs.

A: Pipe Couplings – ****Minimum 304 Stainless Steel Bolt and Nut Required****

Dresser	-253
4"-16" Nom. Size	
Hymax	- 2000 Series
4"-24" Nom. Size	Long Sleeve Available
Romac	- 501, XR501
2"-24" 501, 4"-12" XR501	
Romac	- RC-501, EC-501
4"x3", 6", 8"x6", 10", 4"x16"	
Smith Blair	- 441,442, 461, 462,
2"-16" 441, 4"-12" 461	

B. Pipe Repair Clamps

Smith Blair	- 256, 257
2"-14" Nom. Size	¾" to 2" Threaded Outlets Available

C. Fittings C110– 153 ****Minimum 304 Stainless Steel Bolt and Nut Required****

Clow/McWayne	- Cement lined
3" to 36"	
U.S. Pipe	- Cement lined
3" to 48"	
Star	- Cement lined
2" to 54"	
Sigma	- Cement lined

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3" to 24"	
Tyler/Union/Ufco	- Cement lined
2" to 48"	
<u>D. Manufactured Restraint Joint Pipe (Boltless Restraint) –</u>	
<u>**Class 53 Unless Otherwise Specified**</u>	
Clow/McWayne	- Super Lock boltless
6" to 36"	
American	- Flex Ring Pipe boltless
4" to 48"	
U.S. Pipe	-TR Flex boltless
4" to 36"	
<u>E. Mechanical Joint Pipe - **Minimum Class 53 Unless Otherwise Specified**</u>	
Clow/McWayne	
3" to 24" / 30" to 36"	
American	
4" to 48"	
US Pipe	
4" to 48"	
<u>F. Mechanical Joint Restraints – **Minimum 304 Stainless Steel Bolt and Nut Required**</u>	
Ford	- Uni-Flange – 1400 series, 1500 Style for C909
3" to 36"	
Ebba Iron Inc.	-1100 series
3" to 48"	
Sigma One-Lok	- SLDE

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3"-36"	- 30", 36" require SIGMASEAL improved gasket - SLCEH Harness for C09 Restraint
<u>G. Restrained Flange Adapter</u>	
Ebba Iron Inc.	-2100 Series
3" to 48"	
<u>H. Ductile Iron Pipe - <i>**Minimum Class 53 Unless Otherwise Specified**</i></u>	
US Pipe	- Tyton
4" to 64"	
American	- Fastite
4" to 64"	
Clow/McWayne	- Tyton/Fastite
3" to 36"	
<u>I. PVCO C909 Pipe - <i>**Minimum DR II Thickness**</i></u>	
4"-30"	- JM Eagle, Binax, Westlake Aqua max

2. Steel Encasement Pipe – Sec. 2.05 Rules and Regs.

A. Casing Chocks – (Stainless Steel)

Power Seal Pipeline Products – 4810

As Needed @ 10' Intervals Max.

Cascade Waterworld Mfg.

As Needed @ 10' Intervals Max.

Advance Products and Sys. I – SS1

As Needed @ 10' Intervals Max.

3. Gate Valves – Sec. 2.06 Rules and Regs.

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<u>Manufacturer</u>	<u>Model Number</u>
<u>Size</u>	<u>Comments</u>
<u>A. Resilient Wedge and OS&Y (MJ and Flanged Ends) – <i>**Minimum 304 Stainless Steel Bolt and Nut Required**</i></u>	
Mueller	- 2361, 2362
2" to 12" / 14" to 36"	
Kennedy	
2" to 16"	
American Flow Control	- 2500
2" to 16"	
Clow	
2" to 16"	

4. Tapping Sleeves and Valves – Section 2.07 Rules and Regs.

A. Tapping Sleeves

*****Stainless Steel Outlets ONLY** - **15" Minimum Width*****

JCM	- 439
4" to 24"	
Romac Industries	- SSTIII
4" to 30"	
Smith Blair	- 663, 665
4" to 24"	
Mueller	- 304MJ
4" to 24"	
Power Seal	- 3480MJ Up to 16"
4" to 24"	- 3490MJ Greater than 16"

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5. Valve Box - “Water” on Lid– 3 Piece Screw Type – Sec. 2.09 Rules and Regs.

****Heavy Duty Top Section ONLY**Slotted lid ONLY****

Bingham Taylor

5.25” Extensions available

Tyler - 6860 Series

5.25” Extensions available

Star - VB0006 Series

5.25” Extensions available

Sigma -VB630

5.25” Extensions available

Snake Pit For tracer box PVCO pipe C909 + HDPE

6. Meter Vaults – Section 2.10 in Rules and Regs.

A. Access Hatch Doors for Non Traffic Bearing Applications

Bilco

B. Castings and Covers for Traffic Bearing Applications

East Jordan Iron Works - 1710

Heavy Duty

Neenah - Model R-1782

Heavy Duty

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7. Fire Hydrants – Section 2.12 in Rules and Regs.

A. Hydrants – Three Way Type - **All above and below ground bolts and nuts shall be 304 or 316 stainless steel. – All lower stems shall be 410 stainless steel.**

Mueller – Super Centurion 250 - A423

5.25" MVO

B. Hydrant Anchor (Swivel) Tees and 90's

Clow, Sigma, Star, Tyler Union, US Pipe

C. Concentric Reducer

Clow, Sigma, Star, Tyler Union, US Pipe

8. Service Connections – Section 2.15 Rules and Regs.

A. Bronze Service Saddles

Mueller - BR2B

4" to 16" Nom. Size Double Strap, ¾" to 2" Outlet

Smith Blair - 325

4" to 12" Nom. Size Double Strap, ¾" to 2" Outlet

Smith Blair - 372

Double bolt SS for C909

Use spring washer for HDPE ¾" to 2" Outlet, 4" to 16" pipe diameter

B. Corporation Stops - **No lead/Low lead ONLY**

AY McDonald - 4701 or 4701-B - up to and including 1"

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1" Min. New Construction	- 4701-B – 1 ½" and 2"
Mueller	- H15000 - up to and including 1"
1" Min. New Construction	- B25000 - 1 ½" and 2"
Ford Meter Box Co.	- F600 - up to and including 1"
1" Min. New Construction	- FB600 - 1 ½" and 2"

C. Curb Box

McWayne Bibby	-V005-V011
2.5" Diameter	Screw Type
Bingham and Taylor	- P-94-E
2.5" Diameter	Screw Type
Sigma	- VB794E
2.5" Diameter	

D. Curb Stops – ¼ Turn Only - **No lead/Low lead ONLY**

AY McDonald	- 76100
1" Min. New Construction	
Mueller	- B-25204
1" Min. New Construction	
Ford Meter Box Co.	- B-22 Series
1" Min. New Construction	

E. Union Fittings / Adapters - **No lead/Low lead ONLY**

Mueller	- H-15400
1" Min. New Construction	- P-15403 – Customer Side ONLY

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AY McDonald	- 4758
1" Min. New Construction	
Ford Meter Box Co.	- C22 Series
1" Min. New Construction	- C44 – Customer Side ONLY

9. Meters and Settings – Section 2.25 in Rules and Regs.

A. Combination Meter – Remote Read

Sensus	- Omni F2
4" and Above	
Octave	- Ultrasonic
2" to 12"	

B. Domestic Meter – Remote Read

Master Meter	- Multi Jet
1" to 2"	
Sensus	- Omni C2 or T2
1 ½" and 2"	

C. Angle Yoke Ells - **No lead/Low lead ONLY******

Ford	- L92 Series
¾" to 1"	
Mueller	- H-14202
¾" to 1"	
AY McDonald	- 4779Y
¾" to 1"	

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<u>D. Angle Yoke Valve - **No lead/Low lead ONLY**</u>	
AY McDonald	- 4602Y
¾" to 1"	- 4602BY
Ford	- AV92 Series
¾" to 1"	- BA92 Series
Mueller	- H14264
¾" to 1"	- B24264
<u>E. Yoke Expansion Connector - **No lead/Low lead ONLY**</u>	
AY McDonald	- 14-2 EHG, 14-4 EHG
¾" / 1"	
Mueller	- H-14234
¾" / 1"	3 piece with O-ring
Ford	- EC-23, EC-4
¾" / 1"	
<u>F. Yoke</u>	
AY McDonald	-14-2 / 14-4
¾" / 1"	
Mueller	- H-5020 / H-5040
¾" / 1"	
Ford	- Y-502 / Y-504
¾" / 1"	
<u>G. Frame and Cover</u>	
East Jordan	- 2890

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Non Traffic Bearing

H. Meter Lid Cover

Ford

C-32-T, C3-T, C4-T

18" to 24" Diameter

I. PVC Meter Vault 30" Depth

Carson / Sonoloc / ADS

18" through 30" Diameter

PVC Meter Vault
