

## **8.0 APPROVED MATERIALS**

(Revised March 2021)

### **8.01 GENERAL**

Western maintains a list of Approved Materials, and only those materials on the most current list have been approved for use within Western. It is the sole responsibility of the user to assure that the product proposed is currently approved. Western may require installation of a different product in special circumstances.

Manufacturers may request approval by (1) making a formal written request for approval, (2) providing detailed drawings and technical information on their product, and (3) providing a non-returnable sample of the product. Documentation of use by other local water purveyors (with telephone numbers and contact names) will assist Western in evaluating the request for approval. Western will evaluate the product and if approved, the product will be placed on the Approved Materials List. All products shall always comply with Western's Standard Specifications.

### **8.02 APPROVED PIPE MANUFACTURERS**

#### A. WATER PIPE:

1. STEEL PIPE (AWWA C200)
  - a) AMERON, PIPE DIVISION
  - b) KELLY PIPE
  - c) NORTHWEST PIPE COMPANY
  - d) WEST COAST PIPE LININGS
  - e) IMPERIAL PIPE
2. STEEL PIPE FITTING FABRICATORS (AWWA 205, 208)
  - a) SOUTHLAND PIPE
  - b) 101 VERTICAL FABRICATION
  - c) J & K WELDING
3. PVC PIPE (AWWA C-900 & C-909)
  - a) XXXXXXXXXX JM Eagle Pipe
  - b) VINYLTECH CORPORATION
  - c) DIAMOND PLASTICS CORPORATION
  - d) NORTH AMERICAN PIPE CO (NAPCO)

## B. SEWER PIPE

### 1. CLAY PIPE

- a) GLADDING MCBEAN, INC
- b) MISSION CLAY PRODUCTS CORP

### 2. PVC PIPE

- a) JM EAGLE
- b) VINYLTECH CORPORATION
- c) DIAMOND PLASTICS CORPORATION
- d) NORTH AMERICAN PIPE CO (NAPCO)

## **8.03 APPROVED MATERIALS LIST**

### 1. RESILIENT SEAT/WEDGE GATE VALVES

American Flow Control – Series 2500  
AVK Valve – Series 25  
Clow Valve – Series 2600  
M & H Valve – Series 4067  
Mueller – Series 2360  
U.S. Pipe –Series USPO

### 2. BUTTERFLY VALVES

CRISPIN K-Flo – Model 500 Series 16” – 20” Model 47 Series 24” and larger  
Clow – Series 4500 Buried Service  
Pratt Valves – Class150: Groundhog; Class250: Triton HP

### 3. AV/AR VALVES

Apco – 143C, 145C, 149C (Flanged)  
Val-Matic- 201C, 202C, 204C  
Crispin – UL-10, UL-20, UL-41  
A-R-I – D-040P, D-060-C HF, D-065 HF

#### 4. FIRE HYDRANTS

AVK – 24/40, 24/50  
Jones – 3700, 3765, 3775, 4040, 4060  
Clow – 800, 950, 960, 2050, 2060

BRONZE ANGLE FIRE PLUG VALVE (Wharf- Head):  
Jones – 344 HP

BREAK OFF CHECK VALVE  
Clow - LBI 400A  
Clow- LP-619

#### 5. MISCELLANEOUS BRASS

CORPORATION VALVES:  
Jones – J-1935, J-3403  
Mueller – 15028,  
Ford – F-1100, FB-1100  
A.Y. McDonald – 4704-22

ANGLE METER STOPS:  
Jones – 4201, 4205  
Ford - KV43-444W, FV43-777  
Mueller –H-14258, H-14277  
A.Y. McDonald – 4602-22, 4602B-22-Flanged

##### SERVICE SADDLES:

Service Saddles for C-900 Pipe:  
Jones – 969  
A.Y. McDonald – 3855  
Mueller – BR2S  
Ford – 202BS  
Romac – 202BS

Service Saddles for A.C. Pipe and Ductile Iron Pipe:  
Jones – J-979  
Ford – 202B  
Mueller – BR 2 B  
A.Y. McDonald – 3826

##### METER BALL VALVES $\frac{3}{4}$ " – 2"

A.Y. McDonald – Model 6101  
Ford B13  
Jones J-1908, J-1913

6. PAINT (Appurtenances)

Home Depot – High Gloss Safety Yellow  
High-Gloss Bright Yellow Base, Vista #5971

7. CONCRETE BOXES/VAULTS

Armorcast Products Co.  
Associated Concrete Products  
Best Concrete Products  
Brooks Products  
J & R Concrete  
Jensen Precast  
Olson Precast Company  
Christy G5 Concrete Box  
Armorock - Vaults

8. METER BOX LIDS – ¾" THROUGH 2"

DFW Plastics, Inc. – polymer lids

9. DOUBLE DETECTOR CHECK ASSEMBLIES

**PER LATEST EDITION OF USC – FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES."**

10. DOUBLE CHECK ASSEMBLIES

**PER LATEST EDITION OF USC – FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES."**

11. REDUCED PRESSURE ASSEMBLIES

**PER LATEST EDITION OF USC – FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES."**

12. RESTRAINING JOINT DEVICES - PVC PIPE C-900

EBBA –2000 PV Series, 1500 Series

Ford – Uni-flange Series 1500, Uni-flange Series 1390

Romac – Grip Ring, RomaGrip PVC Restrainer, 600 Series

Star Pipe Products – Series 1000, Series 1100, PVC Grip 3500

SIP Industries - EZGRIP Joint Restraint for PVC, C110 MJ Fittings

Internal Joint Restraint Application

Certain Teed Corp - Certa-Lok C900/RJ Restrained Joint PVC Pipe

JM Eagle – Eagle Loc 900 Internal Joint Restraint System

13. DUCTILE IRON FITTINGS

Tyler Pipe Company  
Sigma Corporation  
Star Pipe Products  
Union Foundry  
U.S. Pipe  
Pacific States Casting  
SIP Industries

14. METERS

Lead Times

Please allow potential lead time minimum of 6 weeks for potable and non-potable meters size ¾"- 2" if Western does not have them available in inventory.

Please allow a minimum lead time of 8 weeks for potable and non-potable meters size 3"-12" as Western does not normally stock large size meters in inventory. Potable and non-potable meters size 3" and 4" are occasionally available in inventory. Please consult Development Services staff to determine availability.

Meters must be purchased through Western.

**POTABLE – RIVERSIDE RETAIL SERVICE AREA**

**¾" – 2" Meters**

¾"	Neptune ¾" T-10 L900i	NED2C22RYMF11S22083
1"	Neptune 1" T-10 L900i	NED2F22RYMF11S22083
1.5"	Neptune 1.5" T-10 L900i	NED2H11RYMF11S22083
2"	Neptune 2" T-10 L900i	NED2J11RYMF11S22083

**3" – 10" Meters**

3"	Neptune 3" Compound	EC3BRWF3SG90
3"	Neptune 3" Turbine	ET4BRWF3SG90
4"	Neptune 4" Compound	EC3CRWF3SG90
4"	Neptune 4" Turbine	ET4CRWF3SG90
6"	Neptune 6" Compound	EC3DRWF3SG90
6"	Neptune 6" Turbine	ET4DRWF3SG90
8"	Neptune 6x8" Compound	EC3ERWF3SG90
8"	Neptune 8" Turbine	ET4ERWF3SG90
10"	Neptune 10" Turbine	ET4FRWF3SG90

Consult with Development Services staff to determine if turbine or compound meter will be required.

Turbine meters - strainer required.

## **POTABLE - MURRIETA RETAIL SERVICE AREA**

### **3/4" – 2" Meters**

3/4"	Neptune 3/4" T-10	NED2C22RWF3SG89
1"	Neptune 1" T-10	NED2F22RWF3SG89
1.5"	Neptune 1.5" T-10	NED2H11RWF3SG89
2"	Neptune 2" T-10	NED2J11RWF3SG89

### **3" – 10" Meters**

3"	Neptune 3" Compound	NEC2BRWF3SG90
3"	Neptune 3" Turbine	NET4BRWF3SG90
4"	Neptune 4" Compound	NEC2CRWF3SG90
4"	Neptune 4" Turbine	NET4CRWF3SG90
6"	Neptune 6" Compound	NEC2DRWF3SG90
6"	Neptune 6" Turbine	NET4DRWF3SG90
8"	Neptune 6x8" Compound	NEC2ERWF3SG90
8"	Neptune 8" Turbine	NET4ERWF3SG90
10"	Neptune 10" Turbine	NET4FRWF3SG90

Consult with Development Services staff to determine if turbine or compound meter will be required.

Turbine meters - strainer required.

## **NON-POTABLE – DISTRICT WIDE**

### **1" – 2" Meters**

1"	Neptune 1" Mach10	EU1F1F1 & 13342-400
1.5"	Neptune 1.5" Mach 10	Currently unavailable. Substitute with Neptune 1.5" T-10 until further notice.
2"	Krohne 2" Waterflux	MAG00CF & 13342-400

### **3" – 12" Meters**

3"	Krohne 3" Waterflux	MAG01CF & 13342-400
4"	Krohne 4" Waterflux	MAG02CF & 13342-400
6"	Krohne 6" Waterflux	MAG03CF & 13342-400
8"	Krohne 8" Waterflux	MAG04CF & 13342-400
10"	Krohne 10" Waterflux	MAG05CF & 13342-400
12"	Krohne 12" Waterflux	MAG06CF & 13342-400

**NOTE: ALL METERS require **Cubic Feet Registers.****

15. PRESSURE REDUCING AND PRESSURE RELIEF VALVES

CLA-VAL Model 100-01H – Hytrol Valve & X43H Strainer Assembly

- Epoxy Lined and Coated
- Stainless Steel Trim
- Stainless Steel Tubing

16. GASKETS (Non-Asbestos)

Garlock – 2000

17. TAPPING SLEEVES

Ford – Model: Fast-Sleeve 18-8 All Stainless Steel

Romac – Model: SST 18-8 All Stainless Steel

Smith-Blair Inc. – Model: #663 All Stainless Steel

Powerseal Products – Model: 3490 All Stainless Steel

JCM Industries – Model: JCM\_452 All Stainless Steel

18. SEWER MANHOLE PRODUCTS  
(FRAME, RING & COVER)

National Casting Corporation – Model: VC-252

South Bay Foundry - Model: SBF-1252

Neenah Foundry - Model: NFC-1252

Alhambra Foundry - Model: A-1252

Long Beach Iron Works - Model: X106B

FAMEX Foundry - Model 1252

19. MANHOLE STEPS

M.A. Industries Inc. – Model: PS2-PSF

20. MANHOLE

Armorock – Polymer Manhole System