

8.0 APPROVED MATERIALS **(REVISED December 2022)**

8.01 General

Western maintains a list of Approved Materials, and only those materials on the most current list have been approved for the use within Western. It is 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 purveyors (with telephone number 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-NOV, PIPE DIVISION
 - b) KELLY PIPE
 - c) NORTHWEST PIPE COMPANY
 - d) WEST COAST PIPE
 - e) IMPERIAL PIPE
 - f) SOUTHLAND 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)
 - a) JM EAGLE PIPE
 - b) VINYLTECH CORPORATION

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- c) DIAMOND PLASTICS CORPORATION
- d). WESTLAKE PIPE & FITTING (FORMALLY NAPCO & NORTH AMERICAN PIPE)

B. SEWER

1. CLAY PIPE

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

2. PVC PIPE

- a) JM EAGLE
- b) VINYLTECH CORPORATION
- c) DIAMOND PLASTIC CORPORATION
- d) WESTLAKE PIPE & FITTING (FORMALLY NAPCO & NORTH AMERICAN PIPE)

8.03 APPROVED MATERIALS LIST

1. RESILIENT SEAT/WEDGE GATE VALVES

- a) AMERICAN FLOW CONTROL – SERIES 2500
- b) AVK VALVE – SERIES 25
- c) CLOW VALVE – SERIES 2600
- d) M & H VALVE – SERIES 4067
- e) MUELLER – SERIES 2360
- f) US PIPE – SERIES USPO

2. BUTTERFLY VALVES (EPDM SEATS & DUCTILE IRON BODY)

- a) CRISPIN K-FLO – MODEL 500 SERIES 16” – 20” MODEL 47 SERIES 24” AND LARGER
- b) CLOW – SERIES 4500 BURIED SERVICE
- c) PRATT – CLASS 150: GROUNDHOG: CLASS 250: TRITON HP

3. AV/AR VALVES

- a) APCO – 143C, 145C, 149C FLANGED

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- b) VALMATIC – 201C, 202C, 204C
- c) CRISPIN – UL-10, UL-20, UL-41
- d) ARI – D-040P, S-050, D-060C HF, D-065 HF

4. FIRE HYDRANTS

- a) AVK – 24/40, 24/50
- b) JONES – 3700, 3765, 3775, 4040, 460
- c) CLOW – 800, 950, 960, 2050, 2060
- d) JONES – 344 HP: BRONZE ANGLE FIRE PLUG VALVE (WHARF HEAD)

BREAK OFF CHECK VALVE

- a) CLOW – LBI 400A
- b) CLOW – LP-619
- c) HYDRANT GUARD – HG-01-6-625, HGBB-02-625, HGBB-02-750

5. MISCELLANEOUS BRASS

CORPORATION VALVES:

- a) JONES – J-1935, J-3403
- b) MUELLAR – 15028
- c) FORD – F-1100, FB-1100
- d) A.Y. MCDONALD – 4704-22

ANGLE METER STOPS:

- a) Jones – 4201, 4205
- b) Ford – KV43-444W, FV43-777
- c) MUELLAR – H-14258. H-14277
- d) A.Y. MCDONALD – 4602-22, 46028-22-FLANGED

SERVICE SADDLES:

SERVICE SADDLES FOR PVC C-900 PIPE:

- a) JONES – 969
- b) A.Y. MCDONALD – 3855
- c) MUELLAR – BR2S
- d) FORD – 202BS
- e) ROMAC – 202BS

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SERVICE SADDLES FOR A.C. PIPE AND DUCTILE IRON PIPE:

- a) JONES – J-979
- b) FORD – 202B
- c) MUELLAR – BR 2 B
- d) A.Y. MCDONALD – 3826

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

- a) A.Y. MCDONALD – MODEL 6101
- b) FORD B13
- c) JONES – J-1908, J-1913

6. PAINT (APPURTENANCES)

- a) HOME DEPOT - HIGH GLOSS YELLOW
- b) VISTA PAINT – HIGH GLOSS BRIGHT YELLOW BASE 5971

7. CONCRETE BOXES/VAULTS

- a) ARMORCAST PRODUCTS CO.
- b) ASSOCIATED CONCRETE PRODUCTS
- c) BEST CONCRETE PRODUCTS
- d) BROOKS PRODUCTS
- e) J & R CONCRETE
- f) JENSEN PRECAST
- g) OLSEN PRECAST COMPANY
- h) CHRISTY GS CONCRETE BOX
- i) ARMOROCK VAULTS

8. METERBOX LIDS AND BOXES $\frac{3}{4}$ " THROUGH 2"

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- a) DFW PLASTICS – POLYMERE LIDS AND BOXES
 - 1. 4.5 Meter Box Lid and Box (DDFW486SA4TLID, SP-DDFW486SAC412BD) 18x11x12 Gray "C" Polymer Body
 - 2. 5.25 Meter Box Lid and Box (SP-DDFW1324C4TLID, DDFW1324CH412BODY) 13X24X12 C Gray HVY Polymer Body
 - 3. 6B Meter Box Lid and Box (SP-DDFWPW6C4TLID, DDFWPW6C412BODY) 17X30X12 C Gray Polymer Body
- b) J&R CONCRETE PRODUCTS
 - 1. P-W4-1/2 1-PC (For Neptune R900 Pit Antenna), P-W5 ¼ Polymer Meter Box

9. DOUBLE DETECTOR CHECK ASSEMBLIES

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

10. DOUBLE CHECK ASSEMBLIES

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

11. REDUCED PRESSURE ASSEMBLIES

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

12. RESTRAINING JOINT DEVICES PVC C-900

EBBA – 2000 PV SERIES 1500, SERIES

FORD – UNI-FLANGE SERIES 1500, UNI-FLANGE SERIES 1390

ROMAC – GRIP RING, ROMA GRIP PVC RESTRAINER, 600 SERIES

STAR PIPE PRODUCTS – SERIES 1000, SERIES 1100, PVC GRIP 3500

SIP INDUSTRIES – EZGRIP JOINT RESTRAINT FOR PVC, CUO MJ FITTINGS

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INTERNAL JOINT RESTRAINT APPLICATION

CERTAIN TEED CORP – CERTA LOK C900/RJ RESTRAINED JOINT PVC PIPE

JM EAGLE – EAGLE LOC 900 INTERNAL JOINT RESTRAINT SYSTEM

GENERAL SEALANTS – GS79 EXTRUDED BUTYL RUBBER PIPE JOINT SEALANT (ONLY APPLY TO HORIZONTAL INSTALLS. NOT FOR ANGLE POINTS)

RIEBERLOK- Gasket – SBR for C-900 PVC PIPE, EPDM for RECYCLED PVC C-900

13. DUCTILE IRON FITTINGS

- a) TYLER PIPE COMPANY
- b) SIGMA CORPORATION
- c) STAR PIPE PRODUCTS
- d) UNION FOUNDRY
- e) U.S. FOUNDRY
- f) PACIFIC STATES CASTING
- g) SIP INDUSTRIES

14. ALL SPEC ENCLOSURES

“THEFT PREVENTION DEVICES ARE RECOMMENDED FOR BRASS ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE”.

15. METERS

LEAD TIMES

PLEASE ALLOW POTENTIAL LEAD TIME MINIMUM OF 6 WEEKS FOR POTABLE AND NON-POTABLE METER 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” OCCASIONALLY AVAILABLE IN INVENTORY. PLEASE CONSULT DEVELOPMENT SERVICES STAFF TO DETERMINE AVAILABILITY.

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POTABLE - RIVERSIDE RETAIL SERVICE AREA

3/4" – 2" METERS

3/4"	NEPTUNE 3/4" 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 SERVICES 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

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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 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 METER – STRAINER REQUIRED

NON-POTABLE – DISTRICT WIDE

1" – 2" METERS

1" NEPTUNE 1" MACH 10 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

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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-O1H – HYTROL VALVE & X43H STRAINER ASSEMBLY

- EPOXY LINED AND COATED
- STAINLESS STEEL TRIM
- STAINLESS STEEL TUBING

16. GASKETS (NON ASBESTOS) (NSF61 APPROVED)

- a) GARLOCK – 2000
- b) EPDM
- c) G10 INSULTATING GASKET KITS

17. TAPPING SLEEVES

- a) FORD – MODEL: FAST-SLEEVE 18-8 ALL STAINLESS STEEL
- b) ROMAC- MODEL: SST 18-8 ALL STAINLESS STEEL
- c) SMITH-BLAIR INC. – MODEL: #663 ALL STAINLESS STEEL
- d) POWERSEAL PRODUCTS – MODEL: 3490 ALL STAINLESS STEEL
- e) JCM INDUSTRIES – MODEL: JCM 452 ALL STAINLESS STEEL

18. BOLTS/NUTS

- a) GRADE 5 – W/TRIPAC T2000 BLUE
- b) GRADE 8 – W/TRIPAC T2000 BLUE
- c) T-316

19. SEWER MANHOLE PRODUCTS

(FRAME, RING, COVER)

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- a) NATIONAL CASTING CORPORATION – MODEL VC-252
- b) SOUTH BAY FOUNDRY – MODEL: SBF-1252
- c) NEENAH FOUNDRY – MODEL: NFC-1252
- d) ALHAMBRA FOUNDRY – MODEL: A-1252
- e) LONG BEACH IRON WORKS – MODEL: 1252
- f) FAMEX FOUNDRY – MODEL: 1252

20. MANHOLE STEPS

- a) M.A. INDUSTRIES INC. – MODEL: PS2-PSF (To be installed when Manholes are 12 ft. and deeper)

21. MANHOLE

- a) ARMOROCK – POLYMERE MANHOLE SYSTEM
- b) CONCRETE MANHOLE BUILDERS (Must be interior coated with WMWD approved coating including manhole bottom)

22. Facility Locks

- a) EVERLOCK SYSTEMS – MULTI USER LOCK # RC.SS-6, RC.SS-10
- b) MULTI LOCK BOLT KIT MODEL SLTX-B