

**ELSINORE VALLEY MUNICIPAL WATER DISTRICT  
ACCEPTED MATERIALS GUIDELINE  
FOR USE ON NEW CONSTRUCTION OF  
POTABLE AND RECYCLED WATER FACILITIES**

<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>ADAPTER, FLANGE COUPLING</b>	4" and larger, mechanical x flange. Steel or Ductile Iron construction without anchor pins, epoxy coated, 304 stainless steel bolts and nuts	Ford FFCA Style Romac FCA501, FC400 Smith-Blair 912, 913 Uni-Flange JCM 301, 303
<b>AIR/VACUUM VALVE ENCLOSURE</b>	Lightweight plastic with integral mounting base and fastening system. Use Enclosure Size As Indicated Below. 1" and 2" Air Vac Sizes Use: 14" x 24" 4" and 6" Air Vac Sizes Use: 18" x 30" Yellow for Potable Water Purple for Recycled Water	Pipeline Products- VCAS 1424, VCAS 1830
<b>BACKFLOW PREVENTER</b>	Reduced Pressure Principal Type Assemblies as Approved by the State of California, Department of health Services.	Febco 826 YD, (RPDA) Febco 860, 880V, 880 Febco 856, 825YA, 825Y Watts 709 Wilkins 950 DA, 450 DA, 975XLSE, 975XL, 975XLV, 375, 975, 375DA, 975DA
<b>CASING END SEAL</b>	1/4" Thick Styrene Butadiene Rubber Sheet End Seal. Use 1" Wide Stainless Steel Bands.	Advances Products & Systems Cascade Water Works Calpico CCI Products
<b>CASING SPACER</b>	Polyethylene Casing Spacer, Center Restrained, Position Type with PVC Liner and Non- metallic Anti-friction Runners	Advances Products & Systems Cascade Water Works Calpico CCI Products
<b>COATING, MASTIC</b>	Cold Applied Coal Tar or Epoxy Based Single Component, Self-Priming, Heavy duty Protective Exterior Coating for Buried Metal	Carboline Bitumastic 50 Devoe Devtar 5A Tnemec HB Tnemecol 46-465, HB Tneme-Tar 46H-413

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<b>COATING, WATERPROOF</b>	Epoxy Resin Based Cementitious Trowel Grade Protective Waterproofing for Concrete	Sika Top Seal 107 STO CR 241
<b>COATINGS, WELDED STEEL RESERVOIR</b>	Interior Prime Coat	Tnemec Pota-Pox 80, Red Devoe Bar-Rust 233H Stripe Coat - Buff Primer Coat - White
	Interior Intermediate Coat	Tnemec Pota-Pox 80, Beige Devoe Bar-Rust 233H Stripe Coat - White Intermediate Coat - Buff
	Interior Finish Coat	Tnemec Pota-Pox, White Devoe Bar-Rust 233H, White
	Exterior Prime Coat	Tnemec Series 91 Hydro-Zinc Bar-Rust 233H
	Intermediate Coat, Color Selected by District	Tnemec Hi-Build Epoxiline Series 66 Devthane 378H
	Finish Coat, Color Selected by District	Tnemec Endura-Shield III Devthane 378H
<b>CORPORATION STOP, MIP X COMPRESSION</b>	Bronze MIP x Compression thread Ball Valve (T-Head only) 1" and 2" Full Opening	Ford FI100-4, F1100-7 Jones J-1935 A. Y. McDonald Mueller Cambridge 301NL
<b>COUPLING</b>	Three Part Compression Coupling (Both Ends) for 1" and 2" Copper Pipe	Ford C44-G Series A. Y. McDonald Jones Smith Blair Cambridge 119NL

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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>COUPLING, C900 PVC DEFLECTION</b>	4" through 12" Solid PVC for Obtaining Deflection Only. Provides 5 Degree Maximum Deflection	Any AWWA Compliant
<b>UNIVERSAL BRASS COUPLING</b>	3/4", 1", 1"x3/4" Brass, Compression x Compression	Cambridge 119NL U Series
<b>COUPLING, C900 PVC CLOSURE OR REPAIR</b>	4" through 12" Solid PVC for Closure or Repair	Multi Certainteed Iplex Any AWWA Compliant
<b>COUPLING, C905 PVC CLOSURE OR REPAIR</b>	16" through 36" Solid PVC for Closure or Repair	Multi Certainteed Iplex Nyloplast Any AWWA Compliant
<b>COUPLING, INSULATED, COMPRESSION X</b>	Three Part Compression Insulated Coupling (Both Ends) for 1" Copper Pipe	A. Y. McDonald 4755DBT Mueller N-35403 Ford Jones
<b>COMPRESSION COUPLING, STRAIGHT FLEXIBLE</b>	4" and Larger, Ductile Iron Construction, Slip x Slip, Epoxy Coated with 304 or 316 Stainless Steel Bolts and Nuts. For Use on PVC, DI, or Steel Pipe.	Ford FC1 (DI) Romac 501 (DI) Smith-Blair 411(Stl.), 441 (DI) 442, 461, 462 JCM 210, 215, 241, 242 Romac 501 (DI), ALPHA
<b>COUPLING, TRANSITION FLEXIBLE</b>	4" and Larger, Ductile Iron Construction, Slip x Slip, Epoxy Coated with 304 or 316 Stainless Steel Bolts and Nuts. For Use on AC, PVC, DI, or Steel Pipe	Ford FC2A (DI) Romac 501 (DI) Smith-Blair 413 (Sti.), 411 (DI) 441, 442, 461, 462 JCM 212, 241, 242 Romac 501 (DI), ALPHA

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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>DISMANTLING JOINT</b>	4" and Larger Stell Spigot ASTM A283 Grade C, Flange Adaptor Steel or Ductile Iron ASTM A536 Grade 65-45-12.	Viking Johnson Smith-Blair 975 JCM 309
<b>ELL, FIRE HYDRANT BURY, DUCTILE IRON</b>	6" Ductile Iron Bury Ells, Long Radius, F1g x MJ/PO	Clow South Bay Foundry Star Pipe Products Sigma
<b>ELL, COMPRESSION TYPE</b>	1" and 2" Bronze Ell Compression x Compression for Copper Pipe	Ford L44-Q Series Jones J-2611 Cambridge 105NL
<b>FIRE HYDRANT, 200 PSI</b>	6" Standard 200 PSI Wet Barrel Ductile Iron Fire Hydrant. Epoxy coated interior, shop primed and painted exterior with Six-hole Bolt Pattern.	Jones J4040D, J4060D Clow 850, 860
<b>FITTING, DUCTILE IRON</b>	Flanged, Mechanical, Joint or Push-on Tees, Bends, Crosses, Reducers, Adapters, etc., for Water Lines 4" and Larger. Manufactured per AWWA C110, C111, C153. Double Cement Mortar Lines.	Pipeline Components Tyler/Union U.S. Pipe Star Pipe Products Sigma SIP Industries
<b>GASKET</b>	1/8" Thick Full Ring Gasket Face Aramid Fiber Bound with Nitrile. No Asbestos Content	Calpico Johns-Manville Tripac 5000 APS
<b>GASKET, RUBBER RING</b>	1/8" Thick, Rubber Ring Type, 250 PSI Maximum. For 4 " Through 24" Pipe Flanges	Calpico Johns-Manville US Pipe APS

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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>JOINT RESTRAINT ASSEMBLY</b>	360 Degree Wedge Type Restraint System for Ductile Iron, C900 PVC, and steel Pipe, Size 6" through 24".	Ford Uni-flange 1300 Series Ford Uni-flange 1500 Series Romac EBAA Iron Smith-Blair Sigma Mechanical Restraints Star Products Tyler/Union Sigma PWP, PWM, SLCE & SLDE
<b>LUBRICANT, PIPE GASKET</b>	Rubber Gasket Pipe Lubricant for Use on PVC or Ductile Iron Pipe Joints, NSF Listing Required, and AWWA Compliant	EBAA Iron
<b>METER BOX</b>	18" x 21-1/2" Plastic Meter Box & Cover for 1" Services	Applied Engineering #1320
<b>METER BOX</b>	19" x 25-3/4" Plastic Meter Box and Cover for 1-1/2" Services	Applied Engineering #1324
<b>METER BOX</b>	27-1/4" x 40-1/2" Plastic Meter Box and Cover for 2" Services	Applied Engineering #1730
<b>METER BOX, TRAFFIC LID REINFORCED FIBERGLASS</b>	1" 2"	J&R Concrete
<b>METER STOP, ANGLE COMPRESSION X METER</b>	1" Bronze Angle Meter Stop (Ball Valve) with 90 Degree Lock Wing, Inlet 110 Style Compression x Outlet Swivel Meter Nut	Ford BA43-444W-Q Jones J-1963W Mueller B24258-1 A. Y. McDonald Cambridge 210NL
<b>METER STOP, ANGLE COMPRESSION X METER</b>	2" Bronze Angle Meter Stop (Ball Valve) with 90 Degree Lock Wing, Inlet 110 Style Compression x Flange	Ford BFA43-777W-Q Jones J-1975WSG Mueller B-24276 A. Y. McDonald Cambridge 210NL



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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>METER, WATER</b>		District to Supply
<b>MORTAR, REPAIR</b>	Two Component, Lot Shrinkage, Cement Based with High Compressive and Bonding Strength	Sika top 122,123 STO CR 735, CR 740
<b>PIPE, COPPER TUBING</b>	1" and 2" type K Soft Seamless Tubing	Mueller Lee
<b>PIPE, DUCTILE IRON</b>	For Water Lines 4" and Larger Manufactured per AWWA C111, C115, C150, C151. Double Cement Mortar Lined.	American Pipe Pacific States U.S. Pipe
<b>PIPE, PVC C900</b>	For Water Lines 4" through 12" and 8" Gate Wells. Class 150 Minimum, and any AWWA Compliant.	Vinyletech North American Pipe
<b>PIPE, STEEL CEMENT MORTAR LINED AND COATED (CML&amp;C)</b>	Steel Cylinder, Per A WW A M11 and Section 15061. 10 Gage Minimum Wall Thickness (special approval required for other fabricators based on experience and quality history).	Ameron Northwest
<b>POLYETHYLENE ENCASEMENT</b>	8-mil Thick Polyethylene Encasement Sleeve for Ductile Iron Pipe (DIP) per AWWA C 105 and Recycled PVC, CML&C, or DIP Non-Purple Water Pipe.	PE encasement by US Pipe Blue for Potable Water Purple for Recycled Water
<b>PUMP, VERTICAL TURBINE</b>		ITT Goulds Pumps Peerless Pump Company Peabody Floway
<b>SERVICE SADDLE FOR ACP</b>	Cast Brass ASTM B62 Body with Silicone Bronze Double or Stainless Steel Straps, Outlet Sizes 1" and 2"	Ford 202B Jones J-979 Smith-Blair 323 Mueller Cambridge 810

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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>SERVICE SADDLE FOR PVC C900 AND DI PIPE</b>	Bronze or Brass Saddle with Stainless Steel four Bolt Strap(s), Thread Outlet for Sizes 1" and 2" for Pipe Sizes 4" through 12"	Ford 202BS Jones J-969 Mueller BR2S Series Smith Blair Romac 202BS AY McDonald 3846 Cambridge 812
<b>SERVICE SADDLE AND DI PIPE</b>	Stainless Steel Saddle with Stained Steel Six Bolt Strap, Thread Outlet for Sizes 1" and 2" for Pipe Sizes 16" and Larger	Ford FS202 Romac 305 JCM 438
<b>TAPE, WARNING/IDENTIFICATION</b>	6" Wide, Warning/Identification (Non-Metallic) Marking Tape for Buried Facilities.	Calpico, Type 1 Line-Tec, Type B Terra Tape, Standard 250
<b>TAPPING SLEEVE FOR ACP, CI, DI, AND PVC PIPE</b>	Fabricated Stainless Steel Tapping Sleeve for 4" through 12" Hot Taps. Stainless Steel Bolts and Nuts and Full Mat Gasket.	Romac SST III Power Seal Smith-Blair 664/665 JCM 432
<b>TRACER BOX</b>		Copperhead or approved equal
<b>VALVE, AIR RELEASE AND VACUUM RELIEF</b>	1" – 2" Pressure Air Release and Vacuum Relief Valve, Reinforced Nylon/Compact, rolling seal design. 4" – 6" Epoxy coated body, stainless steel trim, compact design.	ARI
<b>VALVE, BALL</b>	Bronze, Straight, Compression x Compression for 1" and 2" Valves (Threaded, both male & female)	Ford B44-444-Q, B44-777-Q Jones J-1949SG Mueller B-25209 Cambridge 202NL
<b>VALVE, BALL</b>	Keyed MIP x MIP	

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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>VALVE, BALL WITH LOCKING TABS (Meter Customer Valve)</b>	2" Bronze, Straight, Compression x Compression with Locking Tabs and Brass Handle (Threaded both male & female, no locking tabs, S.H.)	Ford B44- 777 –QW Jones J-1949SGW Mueller B-25146 AY McDonald 6100 MW Cambridge 212NL
<b>VALVE, BALL (Meter Customer Valve)</b>	1" Bronze, Straight, Meter Swivel, MIP x MIP (Purple Handle for Recycled Water)	Ford HB 34S Jones J-1908W Mueller B-24351-1 AY McDonald HB6101M Cambridge 212NL
<b>VALVE, BREAK-OFF CHECK</b>	Break-off check valve for fire hydrants. Use when indicated on Approved Plans.	Long Beach LB 400
<b>VALVE, BUTTERFLY</b>	16" and Larger, A WW A C504, Class B. Thermosetting for Fusion Bonded Epoxy Coated and Lined (150 psi Max), Seat in the body.	Mueller Linesal III Pratt Groundhog DeZurik BAW *Crispin K-Flow
<b>VALVE, DETECTOR CHECK</b>	Fire Detector Check	AMES 3000 SS Febco 806YD Wilkins 350DA, 950 DA
<b>VALVE, GATE, RESILIENT WEDGE (RWGV)</b>	4" through 12" Non-Rising Low Zinc Bronze or Stainless Steel Stem, Ductile or Cast Iron Body and Bonnet, Encapsulated Wedge per AWWA C509 or C515 with Epoxy Coated Interior. Manufactured to AWWA C509 or C515	American FC, Series 2500 Clow M&H Mueller (Compliant w/C509 or C515)
<b>VALVE, INSULATED BALL</b>	1" Bronze, Straight, Compression X Compression, Insulated Type	Mueller N-35209 Cambridge 301NL-M4HI4





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<u>ITEMS</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>
<b>VALVE, LOCKABLE BALL</b>	3/4" and 1" Bronze Customer Shut-off(Ball Valve), Inlet FIP x Compression, Lockable Tabs, with Lever Handle	Ford B13-332W w/ HT34 B13-444W w/ HT34 Jones J-1908W Cambridge 212NLH
<b>VALVE, LOCKABLE BALL</b>	1-1/2" and 2" Bronze Customer Shut-off(Ball Valve), Inlet FIP x Compression, Lockable Tabs, with Lever Handle	Ford BF13-666W w/ HB-67S, BFI3- 777W w/HB-67S Jones J-1913W Cambridge 212NLH
<b>VALVE, PRESSURE REDUCING</b>	For Water Main Pressure Reducing, 4" through 16"	Cla- Val 90G-01
<b>VALVE, PRESSURE REGULATING</b>	For Service Connections, 3/4" / 1"	Wilkins Watts Febco
<b>VALVE, WELL LID</b>	Ductile Iron Machined Frame with Ductile Iron Lid. See Standard Drawings for Markings	South Bay
<b>WATER TEST STATION ENCLOSURE</b>	12 Gauge Steel 8" x 36", Single Lockable Door, Powder Polyester Coated Potable Water Color: Safety Yellow Recycled Water Color: OSHA Safety Purple	Pipeline Products WTS-ELSI
<b>WARNING/ID TAPE</b>		Calpico, Type 1 Line-Tec, Type 1 T. Christy Enterprises, Type 1 Northtown DOT Sales
<b>WIRE, TRACER</b>	#10 AWG Solid Copper UF Type Wire, with Cross Linked Polyethylene Insulation. Blue in Color	Cosberg Industries Paige Baron Copperhead Industries Regency Wire & Cable