

Pre-Approved Materials List	Notes:		
	1. All materials shall conform to the Agency's Standard Specifications.		
	2. Alternates will not be considered for items noted as "No Equal".		
	3. All proposed alternate items are subject to Agency review and approval.		
	4. Other than main piping and fittings, "No Plastic" will be allowed.		
	5. All materials shall be "lead free" as defined by the State of California and NSF/ANSI 61 certified.		
	6. For 24" DIA. and larger pipe and materials, submit for PCWA approval.		
	7. CWO = Cold Weather Only		
Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
Access Covers			
Hatch, Spring Assisted	Halliday Products	Submittal Required	
	Bilco	Submittal Required	
Air Vacuum Release Valve Appurtenances (See Valves - AVR)			
Air Vent Riser	Placer Water Works		
AVRV Below Grade Box	Christy		
	Jensen		
Backflow Prevention Devices (See State of CA list of approved devices)			
Bridge Manufacturers/Suppliers			
Prefabricated	Hallsten Corporation - Sacramento, CA	Submittal Required	
	Interstate Sales - Auburn, CA	Submittal Required	
Railspan Railroad Flat Cars		Submittal Required	
Boring, Jacking, and Tunneling Materials			
Casing Insulator	Cascade Waterworks Mfg.	Series CCS Stainless Steel	Runners Polyethylene
	Calpico, Inc.	Series M-X-SS	Runners HDPE
Boxes and Vaults			
1" Service Meter Box	Christy by Oldcastle	B16 Reinforced concrete box, for traffic & non-traffic rated locations.	O.D. 16" x 25" I.D. 11-3/4" x 22-1/4"
1" Service Meter Box Lid (non-traffic rated)	Christy "Fibrelyte" by Oldcastle	FL16P Fibrelyte	Must include AMR hole, max ID 1-27/32" thru 2"
1" Service Meter Box Lid (traffic rated)	Armorcast Products (20K = AASHTO H20)	Polymer Concrete Lid 20K-A6000489T	Must include AMR hole, max ID 1-27/32" thru 2"
AMR Plug	Ford	Plastic Plug for ERT Hole # PTP-3-25	Plastic Plug w/nut min-max ID 1-27/32" thru 2", min-max lid thickness 1/8" thru 3-1/4"

Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
2" Service Meter Box	Christy by Oldcastle	N40	
2" Service Meter Box Lid	Placer Water Works	PW/B40-S	2 piece lid, steel diamond plate
Valve Box and Lid	Christy by Oldcastle	G5	Black-Traffic Rated
	Jensen	G5	Black-Traffic Rated
Cathodic Protection			
Anode Lead Wire	Corrpro	#10 HMWPE or USE-2 (EPR-HYP)	Div. 3, Sec. 7, Page 96
Cartridge/Sleeve for Thermite Welding	ThermOweld	Submittal Required	
Flange Gasket Isolation Kit	Calpico	Type "E"	
Magnesium Anode	AEGION	Corrpro	Ref. Std. Dwg. S112
Weld Cap	Royston Handy Cap	Handy-Cap	Use Roybond 747 Primer
	MESA	Thermite Weld Cap	Mastic Cover
	AEGION	Calpico T-Cap	
Concrete, Gunite, Rip Rap, and Masonry			
Grout			
Gunite Set Accelerator	Sika Chemical Corp.	Sigunit Powder	Gunite/shotcrete set accelerator
Keyed Masonry Retaining Wall	Keystone		
Non Shrink Grout			Ref. Std. Dwg. S405
Rip-Rap			Div. 3, Sec. 10, Page 110
Copper Tubing & Joints			
Joints	Mueller	Series 110	Compression
	Jones Water Distribution Products	Series E-2600	
	Ford	Pack Joint	
Service Piping		Type K (Copper)	Note 5, Pg. 154
Enclosures for PRV			
	Placer Water Works	BE6D-Solid Submittal Required	Insulated Custom Size
Dielectric Insulated Union			
304 Stainless/Low Lead Approved Brass	Hart Industrial Unions	Insulated Series 3000, 1/8" through 5" dia.	NSF Approved EDPM O-ring
Facility Marker Post or Flexibility Marker			
	Carsonite	Ref. Std. Dwg. S102	
Filter Fabric			
		Div. 3, Sec. 3, Page 75	

Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
Fittings, Couplings, Restraint, and Hardware			
Grooved Coupling	Victaulic	FireLock	
Flange Coupling Adapter	Smith Blair	920 (PE/DIP to PE/PVC) 911 (PE/DIP to FLG/DIP)	
	ROMAC	FCA / DIP	2" - 24"
RFCA / PVC		2" - 12"	
Flexible Coupling Expansion Joint	EBBA Iron	FLEX-TEND	2" - 24"
Mechanical Joint Restraint for Ductile Iron . Must be 100% Domestic Only , no import parts or restraint glands.	Ford Meter Box Co.	Series 1400-D-SZ	Wedge Action MJ Retainer Gland
	EBAA Iron Inc.	Series 1100	3" - 54"
		Series 1500 TD	8"-12" Only
	ROMAC	Romagrip	3" - 48"
	Star Pipe Products	Stargrip Series 3000	3" - 36"
	Sigma Corp.	ONE-LOK Series D-SLDE	3" - 48"
US Pipe	TR Flex	Note: Gripper Rings Gaskets are not allowed	
Mechanical Joint Restraint for PVC . Must be 100% Domestic Only , no import parts or restraint glands.	EBAA Iron	2000PV Megalug	3" - 12"
	Star Pipe Products	PVC Stargrip Series 4000	4" - 12"
	Sigma Corp.	ONE-LOK Series D-SLCE	3" - 12"
	EBAA Iron	Tru-Dual 1500TD	4" - 12"
	ROMAC	Series 611 Restrainer	4"-12"
	Star Pipe Products	Series 1100C	Ductile Iron
Mechanical Joint Restraint for joining DIP, PVC & HDPE . Must be 100% Domestic Only , no import parts or restraint glands.	EBAA Iron Inc.	Mega-Coupling Series 3800	DIP 4"-48" Steel 4"-12" HDPE 4"-12" C900 4"-12"
Tapping Sleeve (Hot Tap Only)	Muller	Stainless Steel H-304 Tapping Sleeve	4"-24" Main with 4"-8" Flanged Outlet
	Romac	STS420	6"-48" Main with 3"-8" Flanged Outlet
	U.S. Pipe	Stainless Steel H-304 Tapping Sleeve	4"-24" Main with 4"-8" Flanged Outlet
Note: For pipe sizes greater than 12" dia., lay drawings shall be provided. These drawings shall include all pipe, fittings and /or restraints intended to be installed.			

Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
Fire Service			
Hydrants	CLOW	Model 960	Three outlets. Refer to fire department for additional requirements.
2" Residential Fire Service RPDA	CA Approved	With 5/8" low flow bypass system, and Badger "O" designation meter	Ref. Std. Dwg. S218
3" and Larger Commercial DCDA	CA Approved		Ref. Std. Dwg. S207
3" and Larger Commercial RPDA	CA Approved		Ref. Std. Dwg. S207 w/dual water source
Gaskets, Flange			
Non-Isolating	U. S. Pipe	Ring Flange-Tyte Gaskets (drop-in)	
Isolation	Calpico Inc.	Type F Ring Gasket Kit (drop-in)	Option #2 - 1/8" Neoprene-faced Phenolic
Locating Wire & Splice Kit			
Wire			See Div. 3, Sec. 1.
Wire Splice Kit			See Div. 3, Sec. 1.
Manholes & Related Materials			
Precast	Christy		
	Jensen		
	Teichert		
Rim and Cover			Reference Std. Dwg. S307 & S308
Water Stop for Manhole	Ram Neck		
Meter/Water Services			
Meter Box and Lid	(See Boxes and Vaults)		
Service Saddles	(See Service Saddles)		
Paints			
	Devoe		
	Tnemec		
Pipe			
Brass	No Specific Mfg.		Must comply with Note # 5.
Ductile Iron	American	Per AWWA C-151	See Div. 2, Sec. 1.
	Electrosteel USA		
	McWane Ductile		
	U.S. Pipe		

Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
HDPE	ISCO	Per AWWA C-901-08 & C-906-15	See Div. 3, Sec. 1 & Div. 3, Sec. 6.
	JM Eagle		
PVC	JM Eagle	Per AWWA C-900	See Div. 2, Sec. 1 & Div. 2, Sec.2.
	Diamond Plastic Corp.		
	North American Pipe Company (NAPCO)		
Note: For pipe sizes greater than 12" dia., lay drawings shall be provided. These drawings shall include all pipe, fittings and /or restraints intended to be installed.			
Pipe Supports			
	Anvil International	Submittal Required	
Pressure Gauges			
	Ashcroft	4" Dia., Glycerin filled	200 psi Min. Rating to match test pressure.
Pressure Transmitter			
	Instrumentation Northwest	Seametrics Smart Sensor	Submittal Required
Joint Sealant Between Concrete & Concrete or Gunite			
	Polymeric Systems Inc.	PSI-270	Polyurethane Joint Sealant
	International Chem-Crete Inc.	Chem-Crete CCC270	Polyurethane Joint Sealant
Service Saddles			
Service Saddle for Ductile	Mueller	BR2B Service Saddle	(¾" thru 2" tap sizes)
	Smith-Blair	313 Service Saddle	(¾" thru 2" tap sizes)
	Jones	J-979	(¾" thru 2" tap sizes)
Service Saddle for PVC	Smith-Blair	397 Service Saddle	(¾" thru 2" tap sizes)
	Smith-Blair	397 Service Saddle	(¾" thru 2" tap sizes)
	Jones	J-969	(¾" thru 2" tap sizes)
	Romac	Style 202BS	(½" thru 2" tap sizes)
Service Saddle for AC	Smith-Blair	372 Service Saddle	(½" thru 2" tap sizes)
	Romac	Style 202BS	(½" thru 2" tap sizes)
Stops, Corp, Angle, Etc.			
Angle Meter	Mueller	Series 300 Ball Valve	
	Jones	E-1525 or E-1525F	
	Ford	kv43-XXXW-NL	
Corp (Insulating Only)	Mueller	Series 300 Ball Corporation Valve	
	Ford	Ball Corp Valve w/ service insulator	
	Jones	E-1993	

Item	Manufacturer	Model or Part Number	Spec. Div. Sect. or Notes
Valves			
Actuator for Butterfly Valve	Pratt	MDT	Travelling nut type
Air/Vacuum Release Combination Air Valve (Treated Water)	Dezuric	APCO Valve Series 140C	Submittal Required
	Crispin	UL Series	1" - 2", Submittal Required
		C Series	>2", Submittal Required
Air/Vacuum Release (Raw Water)	Crispin	UX Series	Submittal Required
	A.R.I.	D-026	Submittal Required
Altitude	Cla-Val	Model 210-01 and 210-02	01 = 1 way flow 02 = 2 way flow
Ball Valve (Treated Water)	Flow Tek	Brass	Must comply with Note # 5.
Butterfly	Pratt	2FII, MKII, HP-250 & Groundhog	
	Crispin	K-Flow 500 Series	
	Clow	Series 4500	
	M & H	AWWA Butterfly Valves	
	Mueller	Lineseal III, Lineseal XP	
Check (Externally weighted swing)	Mueller	Swing Type Lever and Weight Check Valve	
	American AVK Company	Series 41 Swing Check Valve	
Gate	American AVK Company	Series 25 Resilient Wedge Gate Valve	Per AWWA
	Clow	Gate Valve	C-515-15
	American Flow Control	Series 2500	
	Mueller	A-2361 FLGxFLG A-2362 THDxTHD	(4"- 8") (2"-3")
Pressure Reducing	Cla-Val	Model 990	≥2"
	Cla-Val	Model 92-01	≥2" combination pressure reducing and sustaining valve
	Watts	LF25AUB-Z#	≤2"
Pressure Relief	Cla-Val	Model 50-01	
Solenoid	Automatic Switch Co.	Model 8210	
Wall Penetration Seals			
	GPT	Link Seal	Per Specification
	Sigma	Omni-Sleeve	Per Specification
Water Quality Sampling Station			
	Kupferle	Main Guard #66	Per Specification