



**WATER AGENCIES' STANDARDS APPROVED MATERIALS LIST  
FOR USE ON NEW CONSTRUCTION OF POTABLE WATER AND RECYCLED WATER FACILITIES**

This form is part of the Approved Materials Checklist that follows, and is intended for use by developers or contractors constructing potable water or recycled water facilities within the service areas of the members of the Water Agencies' Standards Committee. An authorized representative of the developer shall check a single box per item for materials to be used in conjunction with the project, shall fill out this form in its entirety, and shall sign the certification statement herein. Please contact the District if part numbers or models indicated within the Approved Materials Checklist are no longer available. District personnel will review this form and the Approved Materials Checklist and will attach review comments separately or in the space reserved below.

(Space below is reserved for District review and comments)

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**WATER AGENCIES' STANDARDS APPROVED MATERIALS LIST  
FOR USE ON NEW CONSTRUCTION OF POTABLE WATER AND RECYCLED WATER FACILITIES**

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Project Name District's Project ID # Submittal #

**DEVELOPER INFORMATION**

**CONTRACTOR INFORMATION**

**SUPPLIER INFORMATION**

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Name of Developer (Company)

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Name of Contractor (Company)

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Name of Supplier (Company)

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Classification and License Number of Contractor

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Contact Person

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Contact Person

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Contact Person

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Mailing Address

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Mailing Address

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Mailing Address

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City, State, Zip

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City, State, Zip

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City, State, Zip

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Telephone

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Telephone

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Telephone

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FAX

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FAX

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FAX

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E-Mail Address

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E-Mail Address

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E-Mail Address

I hereby certify that the specific products indicated within the attached Approved Materials Checklist represent a true list of materials to be used within the project indicated above, and I acknowledge understanding of the requirements that follow. Any and all specific requirements detailed within the Standard Specifications shall apply to all materials proposed for use on this project. When the notation "Full Submittal Required" or similar language appears within this Approved Materials List, or when required materials do not appear within this Approved Materials List, complete shop drawing submittals are required in accordance with the procedures detailed in the Standard Specifications. All materials supplied to the job site shall conform in all ways to the requirements of the Standard Specifications.

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Signature of Developer or Contractor Representative

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Date

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Printed Name of Developer or Contractor Representative

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Telephone

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E-Mail Address

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>ACTUATOR</b>		Electric Valve Actuators used for Valve Control on Motor Operated Valves. <b>Full Submittal Required.</b>	Auma SG Series EIM Rotork Flo-Loc FloPak	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>ADAPTER, CAM AND GROOVE FITTING</b>		316 Stainless Steel Adapter, MIP x Male Cam and Groove Fitting, 50mm (2"), 100mm (4") or 150mm (6") with 6mm (1/4") 304 Stainless Steel Street Ell and Pet Cock Tapped into the Side of the Fitting.	OPW Kamlock 600-F-SS Dixon "Andrews"/"Boss-Lock" Type F-SS	<input type="checkbox"/> <input type="checkbox"/>	
<b>ADAPTER, FLANGE COUPLING</b>		150mm (6") and Larger, MJ x Flg. Steel or Ductile-Iron Construction without Anchor Pins, Epoxy Coated, 304 Stainless Steel Bolts and Nuts.	Dresser 127 Dresser 227 Ford FFCA Style JCM 301 Powerseal 3521 Powerseal 3528 Romac FCA501 Romac FC400 Smith-Blair 912 Smith-Blair 913	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>AIR/VACUUM VALVE ENCLOSURE, STEEL</b>		12 Gauge Steel, Clam Shell Hinged Construction, Polyester Powder Coated. Use Enclosure Size As Indicated Below. 25mm (1") & 50mm (2") Air Valve Sizes Use: 400mm (16") x 600mm (24") 100mm (4") & 150mm (6") Air Valve Sizes Use: 600mm (24") x 900mm (36") 200mm (8") Air Valve Size Use: 750mm (30") x 1,050mm (42") Potable Water Color: Chocolate Brown Recycled Water Color: OSHA Safety Purple	Pipeline Products VCDD-1624 Pipeline Products VCDD-2436 Pipeline Products VCCD-3042 Christys C-WASC-1624 Christys C-WASC-2436 Christys C-WASC-3042	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>AIR/VACUUM VALVE ENCLOSURE, PLASTIC</b>		3/16" Wall Polyethylene with UV Stabilizer. (color selection subject to District Engineer approval)	Pipeline Products, Advantage Series VCAS 1830 & 2436	<input type="checkbox"/>	
<b>AIR/VACUUM VALVE SUCTION SCREEN</b>		For use on 25mm (1") and 50mm (2") Air/Vacuum Installations. FIP Nylon Nut Style with 20 Mesh Stainless Steel Screen.	Christy VC Series McMaster-Carr 9877K52 McMaster-Carr 9877K65 Northtown Hytech	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>ANODE, MAGNESIUM</b>		High or Standard Potential Anode with a Galvanized Steel Core Encased in a Square Magnesium Alloy Ingot Pre-packaged in a Permeable Cotton Cloth Bag Filled with a 75% Gypsum, 20% Bentonite, 5% Sodium Sulfate Mixture. Provide No. 6 AWG Anode Lead with HMWPE insulation. Provide Ingot Weight as Specified on the Approved Plans. See Standard Drawing WC-12. <b>Full Submittal Required.</b>	T.Christy Corrpro Galvatec Alloy	<input type="checkbox"/> <input type="checkbox"/>	
<b>ANODE, ZINC</b>		Pre-Packaged 6.8 Kg (15 lbs) Min. Sacrificial Anode, #12 THHN Lead Wire, for the Protection of Copper Tubing. See Standard Drawings WC-17 and WC-18.	Hytech Pipeline Products CP-Z15 Christy's Corrpro Galvatec Alloy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>ANTI-SEIZE COMPOUND</b>		For use on Stainless Steel Bolts and Nuts.	Loctite Nevr Seize	<input type="checkbox"/> <input type="checkbox"/>	
<b>BACKFLOW PREVENTER</b>		Reduced Pressure Principal Type Assemblies as Approved by the State of California, Department of Health Services.	As Shown on List of Approved Backflow Prevention Assemblies		
<b>BOLTS AND NUTS, 316 SS</b>		Hex-Head Machine, ASTM A193, Grade B8M Bolts and ASTM A194, Grade 8M Nuts. <b>Full Submittal Required.</b>			
<b>BOLTS AND NUTS, ZINC-PLATED</b>		Hex-Head Machine, Zinc Plated, ASTM A307, Grade A Bolts and ASTM A563 Grade A Finished Hex Nuts. <b>Full Submittal Required.</b>			
<b>BOLTS AND NUTS, FLUOROPOLYMER-COATED</b>		Hex-Head Machine, Fluoropolymer-Coated, ASTM A307, Grade A Bolts Fluoropolymer-Coated, ASTM A563 Grade A Finished Hex Nuts. <b>Full Submittal Required.</b>	Tripac 2000 Blue	<input type="checkbox"/>	
<b>BOLTS AND NUTS, A307, BREAK AWAY, 15mm (5/8") FOR 100mm (4") AIR VAC</b>		Wet Barrel Fire Hydrant Flange Bolts, Hex Head Machine, Break Away Bolts, 15mm x 75mm (5/8" x 3") and Nuts. Bolts Shall Incorporate a 12.3mm x 47.6mm (23/64" x 1-7/8") Hole Drilled in the Bolt Shaft and Filled with Silicone Sealant. Bolts and Nuts Shall be Zinc Plated ASTM A307 Carbon Steel. <b>Full Submittal Required.</b>			
<b>BOLTS AND NUTS, A307, BREAK AWAY, 19mm (3/4") FOR FIRE HYDRANTS AND 150mm (6") AIR VALVES</b>		Wet Barrel Fire Hydrant Flange Bolts, Hex Head Machine, Break Away Bolts, 19 mm x 81mm (3/4" x 3-1/4") and Nuts. Bolts Shall Incorporate a 12.3mm x 47.6mm (31/64" x 1-7/8") Hole Drilled in the Bolt Shaft and Filled with Silicone Sealant. Bolts and Nuts Shall be Zinc Plated ASTM A307 Carbon Steel. <b>Full Submittal Required.</b>			

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Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>BOLTS, EXPANSION, DROP-IN ANCHOR</b>		13mm (1/2") x 75mm (3") Stainless Steel Heavy Duty Anchor System with Anchor Assembly with Hex Head Threaded Rod and Washer, Drop-in Sleeve and Epoxy Resin Adhesive Capsule. For use on Air Valve and Water Test Station Enclosures.	Hilti HSLG-R Series U.S. Anchor W Series	<input type="checkbox"/> <input type="checkbox"/>	
<b>BONDING AGENT, EPOXY</b>		Epoxy Resin Based Bonding Agent for Bonding New Mortar or Concrete to Existing Concrete.	Sika Sikadur 32 Hi-Mod	<input type="checkbox"/>	No Known Equal
<b>BUSHING, INSULATING</b>		Nylon, 31mm x 25mm (1-1/4" x 1"), 38mm x 25mm (1-1/2" x 1"), 63mm x 50mm (2-1/2" x 2").	Calpico Corrosion Control Products F.H. Mahoney	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CASING END SEAL</b>		3mm (1/8") Thick Styrene Butadiene Rubber, Neoprene, or Ethylene Propylene Diene Monomer Sheet End Seal. Use 12mm (1/2") Wide Stainless Steel Bands. Zippered End Seals with Stainless Steel Bands May Also be Used. <b>Full Submittal Required.</b>	Advance Products & Systems Cascade Calpico Pipeline Seal & Insulator Powerseal Raychem	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CASING SPACER</b>		Stainless Steel Casing Spacer, Center Restrained, Position Type with PVC Liner and Non-metallic Anti-friction Runners. <b>Full Submittal Required.</b>	Advance Products & Systems BWM Co. SS-8 & SS-12 Cascade Calpico Pipeline Seal & Insulator Powerseal Raychem	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CATHODIC TEST STATION BOX</b>		25.4 Kg (54 lbs) Concrete Body with 5.4 Kg (12 lbs) Ductile Iron Lid and Lid Ring. "CP TEST" Shall Be Cast into the Lid in 25mm (1") Letters. For Cathodic Protection Test Stations, Anode Ground Beds and Insulated Flange Test Stations.	Brooks 1-RT series Christy Farwest Type 1-RT J & R Model V6-R	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CATHODIC WELDING</b>		For Welding Cathodic Bond Wires to Steel Pipelines.	Cadweld	<input type="checkbox"/>	
<b>CHLORINE</b>		Liquid (Gas) or Sodium Hypochlorite Solution. <b>Chlorination Plan Submittal Required per Section 15041.</b>			

**POTABLE AND RECYCLED WATER FACILITIES**

Item	PIPELINE SUPPLY Description	Manufacturer	Selection	Comments
<b>CLAMP, REPAIR</b>	Stainless Steel, Full circle, Double Lug. For ACP, PVC, DI or CI Pipe, Sizes 100mm (4") Through 55mm (20").	Adams 220 APAC 402 APAC 422 APAC 432 Cascade CR-2 Cascade CRT-2 Ford F2 Ford FS2 JCM 102 Mueller 510 Powerseal 3111 Powerseal 3122 Romac SS2 Romac CL2 Smith-Blair 227 Total Piping Solutions EZ-MAX Plus	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COATING, INTERNAL PIPE</b>	For Coating the Internal Pipe Lining for an Insulated Flange.	Aquatapox CCI Hydro-Pox Devoe 233H Carboline Phenoline 341 Sherwin-Williams Macro Pox 646 PPG Amerlock 2 SKU# AK2 & AM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Wet Application NSF 61 Wet Application Dry Application NSF 61 Dry Application Dry Application
<b>COATING, MASTIC</b>	Cold-Applied Coal Tar- or Epoxy-Based Single Component, Self-Priming, Heavy Duty Protective Exterior Coating for Buried Concrete.	Carboline Bitumastic 50WB Devoe Devtar 5AHS Sherwin Williams Tar Guard Coal Tar Epoxy T.Christy Coal Tar Mastic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COATING, WATERPROOF</b>	Epoxy Resin-Based Cementitious Trowel Grade Protective Waterproofing for Concrete.	Sika Top Seal 107 Sto CR 241	<input type="checkbox"/> <input type="checkbox"/>	
<b>COPPER DISC, SOLID</b>	For Plugging Corporation Stops When a Service is to be Abandoned.	Ford Copper Disc A.Y. McDonald 76125 Mueller H-15535-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CORPORATION STOP, COMPRESSION x MIP</b>	Bronze Compression x MIP Thread Ball Valve (T-Head only) 25mm (1") and 50mm (2") Full Opening.	Ford FB1100-Q Series Jones E-1935SG Jones E-1957SG A.Y. McDonald 74704BQ Mueller B-25028-N Cambridge 1" 311NL-m4M4 Cambridge 2" 311NL-m7M7	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CORPORATION STOP, INSULATED</b>	Bronze Compression x MIP Thread Ball Valve (T-Head only) 25mm (1") Full Opening.	A.Y. McDonald 74755DBT Mueller N-35028-N	<input type="checkbox"/> <input type="checkbox"/>	

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Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>CORPORATION STOP, MIP x MIP</b>		Bronze MIP x MIP Thread Ball Valve (T-Head only), 25mm (1") and 50mm (2") Full Opening.	Ford FB500 Series Jones E-1943 Jones E-1956 A.Y. McDonald 73131B Mueller B-20013-N Mueller B-2969-N Cambridge 1" 311NL-M4M4 Cambridge 2" 311NL-M7M7	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, COMPRESSION x COMPRESSION</b>		Three-Part Compression Coupling (Both Ends) for 25mm (1") and 50mm (2") Copper Pipe.	Ford C44-Q Series Jones E-2609SG A.Y. McDonald 74758Q Mueller H-15403-N Cambridge 1" 119NL-H4H4 Cambridge 2" 119NL-H7H7	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, C900 PVC DEFLECTION</b>		100mm (4") through 300mm (12") Solid PVC for Obtaining Deflection Only. Provides 5 Degree Maximum Deflection.	North American Specialty Products	<input type="checkbox"/>	
<b>COUPLING, C900 PVC CLOSURE OR REPAIR</b>		100mm (4") through 300mm (12") Solid PVC for Closure or Repair.	Specified Fittings North American Specialty Products	<input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, C905 PVC CLOSURE, DEFLECTION OR REPAIR</b>		350mm (14") through 900mm (36") Solid PVC for Closure, 3 degree maximum Deflection or Repair.	Specified Fittings IPEX NACO Industries Scepter	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, FLEXIBLE</b>		150mm (6") Long PVC Flexible Coupling with Stainless Steel Bands. Use For Securing Gate Valve Cap and Can Assembly to 200mm (8") Class 305 PVC C900 Gate Well.	Calder DFW/HPI Fernco	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, GROOVED</b>		Use for Aboveground DI or Steel Pipe 100mm (4") or Larger.	Grinnell #707 Tyler Union 500 Victaulic Style 44 Victaulic Style 77	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, HALF, STEEL</b>		Forged Steel Half Coupling, ASTM A105, 3000#, NPT Threads.	Bonney Forge	<input type="checkbox"/>	
<b>COUPLING, INSULATED, COMPRESSION x COMPRESSION</b>		Three-Part Compression Insulated Coupling (Both Ends) for 25mm (1") Copper Pipe.	A.Y. McDonald 74755DBT Mueller N-35403-N	<input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>COUPLING, STRAIGHT FLEXIBLE</b>		100mm (4") and Larger, Steel or 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.	APAC 301 Ford FC1 Dresser 253 Dresser 38 Powerseal 3501 Powerseal 3538 Romac 501 Smith-Blair 441 Viking Johnson MaxiFit	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>COUPLING, TRANSITION FLEXIBLE</b>		100mm (4") and Larger, Steel or 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.	APAC 311 APAC 313 Baker Ford FC2A Ford FC2W Ultra-Flex Dresser 253 Powerseal 3501 Powerseal 3538 Powerseal Powermax 3506 Romac 501 Romac 4" to 12" Macro HP Two-Bolt Extended Range Coupling Romac XR501 Smith-Blair 413 Viking Johnson MaxiFit	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CUSTOMER SIDE SHUT- OFF VALVE</b>		19mm (3/4") and 25mm (1") Bronze Customer Shut-off (Ball Valve), Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs, with Lever Handle.	Cambridge 3/4 212NL-F3T3H Cambridge 1 212NL-F4T4H Ford B13-332W w/ HT34 Ford B13-444W w/ HT34 Jones E-1908W A.Y. McDonald 76101MWHB Mueller B-24351-1-N (w/ HDL)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>CUSTOMER SIDE SHUT- OFF VALVE</b>		38mm (1-1/2") and 50mm (2") Bronze Customer Shut-off (Ball Valve), Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs, with Lever Handle.	Cambridge 1 1/2 212NL-F6MF6H Cambridge 2 212NL-F7MF7H Ford BF13-666W w/HB-67S Ford BF13-777W w/HB-67S Jones E-1913W A.Y. McDonald 76101MWHB Mueller B-24337-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>DECOMPOSED GRANITE</b>		Imported Quarry Decomposed Granite. <b>Full Submittal Required.</b>			
<b>DEFLECTION BEND, PVC C900 AND C905</b>		5 Degree Deflection Bend Manufactured from C900 and C905 PVC Pipe.	Ipex	<input type="checkbox"/>	



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Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>DISMANTLING JOINT</b>		Telescoping, Adjustable, Double-Flanged Fitting, with High Tensile Strength Zinc-Plated Tie Bars. NSF-61 Epoxy or Nylon Interior and Exterior Coating.	Viking Johnson Romac DJ400 Dresser 131	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>DUST CAP, CAM AND GROOVE FITTING, LOCKING</b>		316 Stainless Steel Cam and Groove Fitting Dust Cap, 50mm (2"), 100mm (4") or 150mm (6").	OPW Kamlock 700 Type DC-SS Dixon "Andrews" Type DC-SS	<input type="checkbox"/> <input type="checkbox"/>	
<b>ELL, BURY, DUCTILE IRON</b>		150mm (6") x 400mm (16") Ductile Iron Bury Ells, Long Radius, Flg x MJ/PO (Use of Short Radius Bury Ells with District Engineer Approval Only).	Clow Sigma South Bay Foundry	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>ELL, FIP x COMP, 45 Deg 1/8 BEND</b>		25mm (1") and 50mm (2") Bronze Ell, FIP x Compression for Copper Pipe.	A.Y. McDonald 74747Q Mueller H-15534-N	<input type="checkbox"/> <input type="checkbox"/>	
<b>ELL, FIP x COMP, 90 Deg 1/4 BEND</b>		25mm (1") and 50mm (2") Bronze Ell, FIP x Compression for Copper Pipe.	Cambridge 1" 105NL-H4F4 Ford L14-44Q Ford L14-77Q Jones E-2621SG A.Y. McDonald 74779Q Mueller H-15533-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>ELL, STREET, MIP x FIP STAINLESS STEEL</b>		6mm (1/4") 304 SS Street Ell for Blowoff Dust Cap. <b>Full Submittal Required.</b>			
<b>ELL, SUPER GRIP TYPE</b>		25mm (1") and 50mm (2") Bronze Ell Compression x Compression for Copper Pipe.	Cambridge 1" 105NL-H4H4 Cambridge 2" 105NL-H7H7 Ford L44-Q Series Jones E-2611SG A.Y. McDonald 74761Q Mueller H-15526-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>EPOXY ADHESIVE</b>		High-Modulus, Low-Viscosity, Epoxy Resin-Based Adhesive Suitable for Grouting Bolts or Dowels.	Sika Sikadur 31 Sika Sikadur 35 Simpson StrongTie	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NSF Products
<b>EXPANSION JOINT</b>		For Water Pipeline Bridge Crossings.	APAC 703 Dresser 63 Onyx Valve 99 Powerseal 3563 Smith-Blair 611 Smith-Blair 612	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>EXPANSION JOINT, RUBBER</b>		Expansion Joints at Reservoir and Pump Station Inlet/Outlet Piping to Allow Lateral Movement and Isolate Vibration.	General Rubber 1050 General Rubber 1075 Holz CSM Holz CR Holz C11R Mercer 500-700 Metraflex Metra Red Valve Redflex	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>FIRE HYDRANT BREAK-OFF CHECK VALVE</b>		Break-off Valves for Fire Hydrants. <b>Full Submittal Required.</b>	AVK Flowguard II James Jones Co. Clow LBIW 400A	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>FIRE HYDRANT CAP</b>		Screwed Brass or Ductile-Iron Cap for Fire Hydrant Hose Ports, 63mm (2-1/2") and 100mm (4").	AVK Jones Long Beach Iron US Pipe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>FIRE HYDRANT SPOOL, DUCTILE OR CAST IRON, FLANGED</b>		Ductile- or Cast-Iron Spool with Integrally Cast Flanges and Machined or Cast Exterior Grooves. Spools 300mm (12") or Longer Shall Have Grooves 75mm (3") from Each Flange. Spools Shorter than 300mm (12") Shall Have One Groove Centered Between the Flanges. Grooves Shall be 5mm (3/16") Deep, ± 2mm (1/16") and 6mm (1/4") Wide, ± 2mm (1/16").			
<b>FIRE HYDRANT, 1.03 MPa (150 PSI)</b>		150mm (6") Standard 1.03 MPa (150 PSI) Wet Barrel Ductile-Iron (DI) or Bronze Fire Hydrants with Six-Hole Bolt Pattern. DI Hydrants shall be Fusion Epoxy Lined. Color shall be Safety Yellow.	AVK 2470 AVK 2490 Clow 850 (Ductile-Iron Only) Clow 860 (Ductile-Iron Only) Clow 2050 Clow 2060 Clow 2065 Jones J3700 Jones J3765 Jones J3775 Jones J4040 Jones J4060	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>FIRE HYDRANT, 1.38 MPa (200 PSI)</b>		150mm (6") High Pressure 1.38 MPa (200 PSI) Wet Barrel, Ductile-Iron Fire Hydrant with Six-Hole Bolt Pattern, Fusion Epoxy Lined. Color shall be Safety Yellow.	AVK 2470 AVK 2490 AVK 2420	<input type="checkbox"/> <input type="checkbox"/>	
<b>FIRE HYDRANT, 1.72 MPa (250 PSI)</b>		150mm (6") High Pressure 1.72 MPa (250 PSI) Dry Barrel, Ductile-Iron Fire Hydrant, Fusion Epoxy Lined. Color shall be Safety Yellow.	U.S. Metropolitan 250	<input type="checkbox"/>	
<b>FITTING, DUCTILE IRON</b>		Flanged, Mechanical Joint or Push-on Tees, Bends, Crosses, Reducers, Adapters, etc., for Water Lines 100mm (4") and Larger. Manufactured per AWWA C110, C111 and C153.	Bachman Griffin Nappco/Sigma Pipeline Components SIP Industries Star Tyler Union	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

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Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>FITTING, GROOVED</b>		Grooved Ductile-Iron Fittings for Grooved End Pipes, 100mm (4") through 600mm (24").	Grinnell Tyler Union G-B Victaulic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>GASKET</b>		3.125mm (1/8") Thick Full Face Aramid Fiber Bound with Nitrile. No Asbestos Content.	Calpico Garlock/Tripac 3000 & 5000 JM Eagle Klinger 4401	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>GASKET, RUBBER, GASOLINE-RESISTANT</b>		Gasoline-Resistant Pipe Gaskets for Water Mains.	Newby	<input type="checkbox"/>	
<b>GATE WELL 100mm (4")</b>		For Buried 50mm (2") Ball Valve Installations, 100mm (4") SDR-35 PVC Sewer Pipe.	Refer to PIPE, PVC SDR35 (Sewer Materials List)		
<b>GATE WELL 200mm (8")</b>		For Valve Installations 100mm (4") and Larger, 200mm (8") C900 Class 305 PVC Pressure Pipe, White or Blue for Potable Water, Purple for Recycled Water.	Refer to PIPE, PVC C900		
<b>GATE WELL LID-100mm (4")</b>		Ductile- or Cast-Iron Lid used for Air Valve Ball Valve Access, 100mm (4") Nominal Diameter with a 62mm (2-1/2") Long Skirt.	South Bay Foundry B50	<input type="checkbox"/>	
<b>GATE WELL LID-200mm (8")</b>		Ductile- or Cast-Iron Lid used for Valve Access, 200mm (8") Nominal Diameter Lid with a 150mm (6") Long Skirt and Lifting Slot. For use with Type 1 Gate Well Installations. See Standard Drawing WV-03 for Required Markings.	South Bay Foundry SBF (single lid) 1200/40 lb. lid	<input type="checkbox"/>	
<b>GATE WELL LID AND CAN ASSEMBLY</b>		Ductile- or Cast-Iron, Machined Frame with Ductile- or Cast-Iron Lid. Used for Valve Access. 200mm (8") Nominal Diameter Lid with a 150mm (6") Long Skirt and Lifting Slot. For use with Type 2 Gate Well Installations. See Standard Drawing WV-03 for Required Markings.	South Bay Foundry SBF 1200 Cap and Can (2-piece) Assembly	<input type="checkbox"/>	
<b>GREASE</b>		For Bolt Corrosion Protection on Buried Bolts.	Sanchem NO-OX-ID Dearborn Chemical	<input type="checkbox"/> <input type="checkbox"/>	
<b>GROUT</b>		Non-Shrink Cementitious Construction Grout for Crack Repair, Flooring Mortar, Dowel Grouting, Crack Sealing and General Binding.	Sika Sikagrout 212 Sto Epoxy Binder CR633 Sto Epoxy Gel CR635 Sto N-S Grout CR732	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>HUMIDISTAT</b>		120 Volt, 6.0 AMP, Single Phase with Adjustable Low and High Lockable Limit Stops. Adjustable Range of 20% to 70% Humidity and Suitable for Wet Locations. <b>Full Submittal Required.</b>			
<b>INSULATING BLANKET</b>		Insulating Blanket for Corrosion Interference Mitigation.	McMaster-Carr	<input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>INSULATING BUSHING</b>		Dielectric nylon, all threaded, heavy hex, bushing to insulate connections between different metals to prevent electrolysis & galvanic corrosion.	Corrosion Control Products	<input type="checkbox"/>	
<b>INSULATING COUPLINGS</b>		Insulating Couplings for Corrosion Protection of Pipelines.	Romac IC400 Romac IC501 Lochinvar	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>INSULATING GASKET KIT</b>		Insulating Gasket Kits for Corrosion Protection of Pipelines.	Advance Products & Systems Calpico Pipeline Seal & Insulator GasketSeal Pipeline Seal & Insulator LineBacker Farwest	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>ISOLATOR, VIBRATION</b>		Wire Rope Seismic Support for Pipelines for Isolating Vibrations and Shocks.	Enidine Steelpaw	<input type="checkbox"/>	
<b>JOINT RESTRAINT SYSTEM</b>		360-Degree Split Ring Serrated Style Restraint System for Ductile-Iron and PVC Pipe, Sizes 150 mm (6") through 750 mm (30"). Prior Approval of District Engineer is Required. <b>Full Submittal Required.</b>	Ford Uni-Flange 1300 & 1350 Series Romac 611 & 612 Sigma PV-LOC PWM Smith Blair Series 115 & 165 Star Series 1000C & 1100C	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>JOINT RESTRAINT SYSTEM</b>		360-Degree Single Ring with Radial Screws and Gripping Wedge Style Restraint System for Ductile-Iron and PVC Pipe, Sizes 100 mm (4") through 750 mm (30"). Prior Approval of District Engineer is Required. <b>Full Submittal Required.</b>	EBAA Iron Series 2000PV	<input type="checkbox"/>	
<b>JOINT SEALING COMPOUND</b>		Pre-Formed, Cold-Applied, Adhesive, Rope-Like, Butyl Rubber Gasket to Form a Watertight Seal Between Precast Vault & Manhole Sections.	Quickset Joint Sealing Compound A-Loc Butyl Lok	<input type="checkbox"/> <input type="checkbox"/>	
<b>LUBRICANT, PIPE GASKET (DRY APPLICATIONS)</b>		Rubber gasket pipe lubricant for use on PVC or ductile-iron pipe joints. ANSI/NSF-61 certified. Does not support bacteriological growth. Non-toxic. Odorless, non-staining; adheres to dry surfaces. Spreads easily and provides optimum lubricity.	Whitlam Blue Lube JTM Products Phoenix Aqua 20 JTM Products Phoenix 505 Whitlam White Lube	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>LUBRICANT, PIPE GASKET (WET APPLICATIONS)</b>		Rubber gasket pipe lubricant for use on PVC or ductile-iron pipe joints. ANSI/NSF-61 certified. Does not support bacteriological growth. Non-toxic. Odorless, non-staining; adheres to wet surfaces. Spreads easily and provides optimum lubricity.	Duck Butter	<input type="checkbox"/>	

**POTABLE AND RECYCLED WATER FACILITIES**

Item	PIPELINE SUPPLY Description	Manufacturer	Selection	Comments
<b>MARKER, UTILITY</b>	Flexible Reinforced Polymer Glass Fiber Composite Strip Identification Marker. Branded or Customized Identification Markings for Pipelines and Appurtenances May Be Required.	Carsonite CUM-375 T.Christy	<input type="checkbox"/> <input type="checkbox"/>	
<b>METER ADAPTER</b>	For Replacing Large Meters with Smaller Meters.	Cambridge 440 Series Ford A Series JonesE128H A.Y. McDonald 10J Series Mueller H10889-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>METER BOX</b>	250mm x 500mm (10" x 20" x 12") Polymer Meter Box and 2-Piece Cover for 25mm (1") Water Services. Gray for Potable Water use, Purple for Recycled Water use.	Armorcast A6000486 Box, A6000486-SA Box, A60000486SA-WAS with A6000483-DQ Cover and A6000487T Drop-In Read Lid Oldcastle 10202010 Box and 10204010 lid with MN00114 Drop-In Cover	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>METER BOX</b>	425mm x 750mm (17" x 30" x 12") Polymer Meter Box and 2-Piece Cover for 50mm (2") Water Services and Blowoff Assemblies. Gray for Potable Water use, Purple for Recycled Water use.	Armorcast A6001640PCX12 Box with A6001643-DZ Cover and A6000482T Drop-In Read Lid	<input type="checkbox"/>	
<b>METER BOX</b>	325mm x 600mm x 300mm (13" x 24" x 12") Polymer Meter Box with Flared Fiberglass Base rated 20K and 2-Piece Cover for use with Dual Water Service Assembly. Gray for Potable Water use.	Armorcast A6001946TX12- SDGTD with A6001866-TDQ Cover and A6000487T Drop-In Read Lid	<input type="checkbox"/>	
<b>METER BOX ONE PIECE COVER</b>	Use only as directed by the District – 20K Rated: 10" x 20" 17" x 30" 13" x 24"	Armorcast A60000483T A60011947T A60011969	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>METER FLANGE</b>	Bronze Meter Flanges for 38mm (1-1/2") and 50mm (2") Meters with Slotted Holes.	Cambridge 1 ½" 5030295NL Cambridge 2" 5030390NL Ford CF Series Jones E129 A.Y. McDonald 7610F	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>METER STOP, ANGLE COMPRESSION x METER</b>	25mm (1") Bronze Angle Meter Stop (Ball Valve) with 90-Degree Lock Wing, Inlet 110 Style Compression x Outlet Swivel Meter Nut.	Cambridge 210NL-H4T4 Ford BA43-444W-Q Jones E-1963WSG, A.Y. McDonald 74602BQ Mueller B24258-1-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>METER STOP, ANGLE COMPRESSION x METER</b>		50mm (2") Bronze Angle Meter Stop (Ball Valve) with 90-Degree Lock Wing, Inlet 110 Style Compression x Outlet Meter Flange.	Cambridge 210NL-H7MF7 Ford BFA43-777W-Q Jones E-1975WSG A.Y. McDonald 74602BQ A.Y. MCDonald 74606BQ Mueller B-24276-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>METER STOP, DUAL ASSEMBLY</b>		Special tandem setting for 25mm (1") and 18.8mm (3/4") Angle Meter Stop (Ball Valve) with Padlock Wings and a 25mm (1") Single Inlet 110 Style Compression x Outlet Swivel Meter Nut	Ford UVB-95271-02 A.Y. McDonald 709UQEW 1x1	<input type="checkbox"/> <input type="checkbox"/>	
<b>METER, WATER</b>		Furnished and supplied by the Agency of Jurisdiction.			
<b>MORTAR, REPAIR</b>		Two-Component, Low Shrinkage, Cementitious Mortar with High Compressive and Bonding Strength.	Sika Sika Top 122 Sika Sika Top 123 Sto CR 735 Sto CR 740	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>NOZZLE, WELD-ON</b>		Weld-on Nozzle with Reinforcing Pad or Collar for Connection to CMC&L Steel Pipe. ASTM A-53B 6mm (1/4") Minimum Thickness Seamless Pipe, Mortar Lined and Coated with AWWA C207 Flange. <b>Full Submittal Required.</b>			
<b>PAINT, ACRYLIC TRAFFIC PAINT</b>		One-Component, Rapid Drying 100% Solids Acrylic Waterborne Marking Paint Meeting Caltrans Specification #8010-21C-30. See Section 09910 for Color and Application Requirements.	TMT-Pathway Waterborne Traffic Paint #2343A9 Devoe: Pervo by ICI Red #7004 Black #6002 White #801020 Sherwin Williams Set Fast Acrylic Latex Traffic Marking Paint: Red #TM2132 Black #TM2135 Yellow #TM227 White #TM2160	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>PAINT, ACRYLIC, SOLVENTBORNE</b>		Intended for metal substrates	FSC Zero-Rust Primer 100 FSC Silicone PolyPlus SP7 250g FSC Silicone Poly Plus SP50g	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	



## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>PIPE, COPPER TUBING</b>		25mm (1") Type K Soft Seamless Rolled Tubing and,50mm (2") Type K Soft Seamless Straight Lengths,	Cerro Halstead Lee Mueller Phelps-Dodge	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>PIPE, DUCTILE IRON</b>		For Water Lines 100mm (4") and Larger Manufactured per AWWA C111, C115, C150, and C151.	American Pipe Griffin Pacific States U.S. Pipe	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>PIPE, PVC C900</b>		For Water Lines 100mm (4") through 300mm (12") and 200mm (8") Gate Wells. Manufactured per AWWA C900, Class 305, DR14 Only.	North American Specialty Products Diamond Plastics Extrusion Technologies IPEX JM Eagle North American Pipe Corp. Pacific Western VinylTech	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>PIPE, PVC C905</b>		For Water Lines 350mm (14") and 500mm (20") through 900mm (36"). Manufactured per AWWA C905, DR 25 or DR 18.	North American Specialty Products Diamond Plastics Extrusion Technologies IPEX JM Eagle North American Pipe Corp. Pacific Western Vinyltech	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>PIPE, STEEL, CEMENT-MORTAR LINED AND COATED (CML&amp;C)</b>		Steel Cylinder (CML&C), per AWWA M11 and Section 15061. 6mm (1/4") Minimum Wall Thickness. Steel Pipes Used for Recycled Water Installation are to be Identified Per District Requirements. <b>Full Submittal Required.</b>			
<b>PLASTIC ENCASEMENT</b>		12-mil Thick Polyethylene Encasement Sleeve for Ductile Iron Pipe (DIP) per AWWA C105 and Recycled PVC, CMC/L, or DIP Non-Purple Water Pipe. Clear Sleeve for Potable Water, Purple Sleeve for Recycled Water.	T.Christy Northtown Co.	<input type="checkbox"/> <input type="checkbox"/>	
<b>PLASTIC WRAP</b>		8-mil Thick Polyethylene Encasement for Buried Fittings and Valves. Clear Sleeve for Potable Water, Purple Sleeve for Recycled Water.			
<b>PRIMER, WAX TAPE</b>		Surface Primer for Underground Application of Petrolatum Wax Tape.	Carboline Denso Paste Trenton Tem-Coat	<input type="checkbox"/> <input type="checkbox"/>	



## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>PROTECTOR POST, STEEL</b>		100mm (4") Diameter, 6.25mm (0.250") Wall Galvanized A-120 Steel Pipe, Concrete Filled with 100mm (4") Galvanized Fence Post Cap.			
<b>REFERENCE ELECTRODE, COPPER SULFATE</b>		High or Standard Potential Electrode with PVC Pipe Housing Pre-Packaged in a Permeable Cotton Cloth Bag Filled with a 50% Gypsum/50% Powered Bentonite Mixture. Electrode Shall have a Design Life of 15 Years with a Stability of +/- 5 Millivolts under a 3.0 Microampere Load. Provide Electrode with Integrally Attached #10 AWG HMW/PE Insulated Wire. <b>Full Submittal Required.</b>	Staperm Reference Electrode Model#1 CU-1-UG	<input type="checkbox"/>	
<b>ROCK, CRUSHED</b>		Washed 10mm (3/8") and 19mm (3/4") Crushed Rock. 10mm (3/8") for Use in Meter Boxes Only. <b>Full Submittal Required.</b>			
<b>SEALANT</b>		Chemical Grout for Joint Sealing.	3M Scotch Seal	<input type="checkbox"/>	
<b>SEISMIC COUPLING</b>		Flexible Expansion Joints for Pipelines, Reservoirs and Pump Stations. <b>Full Submittal Required.</b>	EBAA Iron Flex-Tend Romac FlexiJoint Star Pipe Starflex 5000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>SEISMIC SENSOR DEVICE</b>		Seismic Sensors for Reservoirs and Pipelines. <b>Full Submittal Required.</b>			
<b>SERVICE SADDLE FOR ACP AND CI PIPE</b>		Cast Brass ASTM B62 Body with Silicone Bronze Double Straps, IP Outlet Sizes 25mm (1") and 50mm (2").	Cambridge 810 Series Ford 202B Jones J-979 A.Y. McDonald 3826 Mueller BR2B Series Romac 202B Smith-Blair 323	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>SERVICE SADDLE FOR PVC C900 PIPE</b>		Bronze or Brass Saddle with Stainless Steel Four Bolt Strap(s), IP Thread Outlet for Saddle Sizes 25mm (1") and 50mm (2") Installed on Pipe Sizes 100mm (4") through 300mm (12").	Cambridge 812 Series Ford 202BS Jones J-969 A.Y. McDonald 3846 Mueller BR2S Series Romac 202BS Smith-Blair 393	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>SERVICE SADDLE FOR PVC C905 PIPE</b>		Bronze or Brass Saddle with Stainless Steel Four Bolt Strap(s), IPT Thread Outlet for Sizes 25mm (1") and 50mm (2") Installed on Pipe Sizes 400mm (16") and Larger (Romac Saddle Requires Nylon Bushing).	Ford 202BS Jones J-969 Romac 202N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>TAG, BRASS IDENTIFICATION</b>		25mm (1") Diameter, 18 Gauge Brass with 4.76mm (3/16") Die-Stamped Letters and Numbers, Suitable for Attachment to Cathodic Protection Wires using a Nylon Zip Tie.			
<b>TAPE, OUTER WRAP</b>		Adhesive Plastic Outer Wrap for Wax Petrolatum Tape in Underground Applications.	Polyken 960 Trenton Polyply	<input type="checkbox"/> <input type="checkbox"/>	
<b>TAPE, UTILITY</b>		10 to 50 Mil x 50mm (2") Wide General Utility Tape for Corrosion Protection of Aboveground and Underground Pipes and Fittings.	3M Scotchwrap 50 3M Scotchwrap 51 Calpico Christy Northtown Polyken 900	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>TAPE, WARNING/ IDENTIFICATION</b>		150mm (6") wide, Warning/Identification (Non-Detectable) Marking Tape for Buried Facilities. See Section 15000 for Required Colors and Markings.	Calpico Type 1 Christy Type 1 Line-Tec Type B Terra Tape Standard 250 Thor Elast Tec Northtown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>TAPE, WARNING/ IDENTIFICATION FOR RECYCLED IRRIGATION</b>		75mm (3") wide, Warning/Identification (Non-Metallic) Marking Tape for Buried Irrigation Pipelines, Purple Color with continuous warning "CAUTION RECLAIMED WATER MAIN BURIED BELOW."	Calpico Type 1 Christy Type 1 Line-Tec Type B Terra Tape Standard 250 Thor Elast Tec Northtown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>TAPE, WAX ABOVEGROUND</b>		Petrolatum-Saturated Synthetic Fabric Tape for use on Aboveground Couplings, Flanges, Fittings, etc.	Trenton #2 Wax-Tape	<input type="checkbox"/>	
<b>TAPE, WAX UNDERGROUND</b>		Petrolatum-Saturated Synthetic Fabric Tape for use on Underground Couplings, Flanges, Fittings, etc. Primer and Outer Wrap Required.	Carboline Densyl Tape Trenton #1 Wax-Tape	<input type="checkbox"/> <input type="checkbox"/>	
<b>TAPPING SLEEVE FOR AC, CI, DI, AND PVC PIPE</b>		Fabricated Steel Tapping Sleeve for 100mm (4") Through 300mm (12") Wet Taps. Epoxy Coated with Stainless Steel Bolts and Nuts.	APAC 502 APAC 512 Baker 428 Series Clow F-5205 Clow F-5207 Dresser 610 Ford FTSC JCM 412 Mueller 615 Mueller 619 Powerseal 3460 Romac FTS-420 Smith-Blair 622	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>THREDOLET</b>		Forged Steel Fitting, ASTM A105. 3000#, NPT Threads.	Bonney Forge	<input type="checkbox"/>	
<b>VALVE STEM EXTENSION, STEEL</b>		Round or Square 37mm (1-1/2") Diameter Steel Rod, Welded Construction, Hot Dipped Galvanized with Top Centering Ring and AWWA 50mm (2") Operating Nuts Top and Bottom. Use for Extensions Longer Than 2.4m (8').	Pipeline Products SX-900 South Bay Foundry E4160 T.Christy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, AIR RELEASE, 1.03 MPa (150 PSI)</b>		Pressure Air Release Valve, Cast-Iron Body with Stainless Steel Internal Parts. Suction Screens Required. 25mm (1") through 75mm (3") NPT, 100mm (4") Flanged. <b>Full Submittal Required.</b>	APCO 50 APCO 200 APCO 200A Crispin PL10 Crispin PL20 Crispin PL30 Crispin PL41 Val-Matic #45 Val-Matic #88	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, AIR RELEASE, 2.05 MPa (300 PSI)</b>		Pressure Air Release Valve, Cast-Iron Body with Stainless Steel Internal Parts. Suction Screens Required 25mm (1") through 75mm (3") NPT, 100mm (4") Flanged. <b>Full Submittal Required.</b>	APCO 50 APCO 200 APCO 200A Crispin PL10H Crispin PL20H Crispin PL30H Crispin PL42H Val-Matic #45 Val-Matic #88	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BALL</b>		25mm (1") and 50mm (2") Bronze, Straight, Compression x Compression.	Cambridge 1" 202NL-H4H4 Cambridge 2" 202NL-H7H7 Ford B44-444-Q Ford B44-777-Q Jones E-1949SG A.Y. McDonald 76100Q Mueller B-25209-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BALL WITH LOCKING TABS</b>		50mm (2") Bronze, Straight, Compression x Compression with Locking Tabs and Brass Handle.	Cambridge 212NL-H7H7H Ford B44-777-QW Jones E-1949SGW A.Y. McDonald 76100WQ Mueller B-25146-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BALL WITH LOCKING TABS</b>		For Use With 4" & 6" Blow Off Installations With Reducing Companion Flange 50mm (2") Bronze, Straight, MIP x FIP with Locking Tabs and Brass Handle.	A.Y. McDonald 76107W & SHDLB		

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>VALVE, BALL WITH LOCKING TABS</b>		19mm (3/4") and 25mm (1") Bronze, Straight, FIP x Meter Swivel with Locking Tabs and Purple Handle.	Cambridge 3/4" 212NL-F3T3H Cambridge 1" 212NL-F4F4H Ford B13-332W Jones E-1908W A.Y. McDonald 76100M Mueller B-24351-1-N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BALL, 1.03 MPa (150 PSI)</b>		6mm (1/4") through 50 mm (2"), FIP Threads with Handle.	Apollo 70-100 Series Milwaukee BA-1005 Nibco 560 Series Stockham S-214 Watts WBV-3 Watts WEBS-3	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BALL, 1.03 MPa (150 PSI)</b>		100mm (4") and Larger, Rubber Seated, AWWA C507. Thermosetting or Fusion Bonded Epoxy Coated. <b>Full Submittal Required.</b>	Pratt	<input type="checkbox"/>	
<b>VALVE BOX LID &amp; CAN ASSEMBLY</b>		For use on 50mm (2") Below Ground Manual Air Valve (WA-07) & 50mm (2") Blowoff in Can (WB-06).	South Bay Foundry SBF 1243	<input type="checkbox"/>	
<b>VALVE, BUTTERFLY 1.03 MPa (150 PSI)</b>		100mm (4") through 300mm (12"), AWWA C504, Class 150B with Ductile-Iron Body. Class D or E Flange x Flange Ends. <b>Full Submittal Required.</b>	Dezurik AWWA Keystone 504 M & H 4500 Mueller Lineseal III Val-Matic Series 2000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BUTTERFLY 1.03 MPa (150 PSI)</b>		350mm (14") and Larger, AWWA C504, Class 150B with Ductile-Iron Body. Class D or E Flange x Flange Ends. <b>Full Submittal Required.</b>	Dezurik AWWA M & H 1450 M & H 4500 Mueller Lineseal III Pratt Groundhog Val-Matic Series 2000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BUTTERFLY 1.72 MPa (250 PSI)</b>		100mm (4") through 300mm (12"), AWWA C504, Class 250B with Ductile-Iron Body. Class F Flange x Flange Ends. <b>Full Submittal Required.</b>	Dezurik AWWA Keystone 507 M & H 1450 M & H 4500 Mueller Lineseal XP 250 Val-Matic Series 2000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BUTTERFLY 1.72 MPa (250 PSI)</b>		350mm (14") and Larger, AWWA C504, Class 250B with Ductile-Iron Body. Class F Flange x Flange Ends. <b>Full Submittal Required.</b>	Dezurik BAW 250 M & H 1450 M & H 4500 Mueller Lineseal XP 250 Val-Matic Series 2000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, BUTTERFLY, WAFER 1.03 MPa (150 PSI)</b>		350mm (14") and Larger. <b>District Approval and Full Submittal Required.</b>	Pratt MKII	<input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>VALVE, CHECK</b>		1.03 & 2.07 MPa (150 & 300 PSI), Slanting Disc Check Valve 100mm (4") and Larger. <b>Full Submittal Required.</b>	APCO Series 800 Crispin TD Series Val-Matic Series 9000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, COMBINATION AIR RELEASE AND AIR/VACUUM, 50mm (2")</b>		Single Body Style Combination Air Release and Air/Vacuum Valve. Stainless Steel Internal Parts, BUNA-N seats per AWWA C512, and Epoxy Coated Interior per AWWA C550. N.P.T. Threaded Inlet and Outlet. Suction Screen Required, 2.04 Mpa (300 PSI) Rated Body and Internals. <b>Full Submittal Required.</b>	APCO 145C Cla-Val 33A Crispin UL20 Val-Matic 202C.2 Vent-O-Mat RBX Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, COMBINATION AIR RELEASE AND AIR/VACUUM, 100mm (4") AND LARGER</b>		Single-Body Style Combination Air Release and Air/Vacuum Valve. Stainless Steel Internal Parts, BUNA-N seats per AWWA C512, with Protection Hood, Suction Screen Required, and Epoxy Coated Interior per AWWA C550. Flanged 125# or 250# Inlet. 2.04 MPa (300 PSI) Rated Body and Internals. <b>Full Submittal Required.</b>	APCO 150 Series Cla-Val Series 35 Crispin UL Series (for 100 mm (4") size) Crispin C Series (for 150mm (6") and larger) Val-Matic 200 Series Vent-O-Mat RBX Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, GATE, RESILIENT WEDGE (RWGV)</b>		100mm (4") Through 300mm (12"), Non-Rising Low Zinc Bronze or Stainless Steel Stem, Ductile-Iron Body and Bonnet, Stainless Steel Trim Bolts, Encapsulated Wedge per AWWA C509 or C515 with 8-mil or greater Epoxy Coated Interior. Manufactured to AWWA C509 or C515, with 1.72 MPa (250 PSI) Rating.	American Flow Control - Series 2500 AVK Series 45 Clow Model 2639 SeriesF-6100 Kennedy KSRW-8000Series Mueller A2362 M&H 4067 & 7000 Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, GATE, RESILIENT WEDGE, 350mm (14") AND LARGER</b>		350mm (14") Through 600mm (24"), per AWWA C509 or C515, Ductile Iron Body, Stainless Steel Trim Bolts, Encapsulated Wedge, Non-Rising Stem, 8-mil or greater Epoxy Coated Interior per AWWA C550, Minimum 1.36 MPa (200 PSI) Rating. <b>District Approval and Full Submittal Required.</b>	AVK Series 55 Clow Model 2638 SeriesF-6100 Kennedy KSRW-7000 Series M&H 7000 Series Mueller A2361	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, INSULATED BALL</b>		25mm (1") Bronze, Straight, Compression x Compression, Insulated Type.	Mueller N-35209-N	<input type="checkbox"/>	
<b>VALVE, PET COCK</b>		6mm (1/4") 304 SS Pet Cock Valve for Use on Blowoff Cam and Groove Adapter.			
<b>VALVE, PRESSURE REDUCING</b>		For Water Main Pressure Reducing, 100mm (4") through 400mm (16"). <b>Full Submittal Required.</b>	Ames 910/610 Series Cla-Val 90G-01 Singer 106 PR Singer 206 PR Watts ACV 115E Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>VALVE, PRESSURE REGULATING 1.03 MPa to 1.72 MPa (150 TO 249 PSI)</b>		19mm (3/4") through 50mm (2").	Cash Acme E55 Watts 223, 25AUB Wilkins 600 Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, PRESSURE REGULATING 1.72 MPa to 2.74 MPa (250 TO 400 PSI)</b>		19mm (3/4") through 50mm (2").	Cash Acme E55 Watts N35B Series	<input type="checkbox"/> <input type="checkbox"/>	
<b>VALVE, PRESSURE RELIEF</b>		For Service Connections, 19mm (3/4").	Cash Acme FWC	<input type="checkbox"/>	
<b>VALVE, PRESSURE RELIEF AND SUSTAINING</b>		For Water Main Pressure Reducing and Sustaining, 100mm (4") through 400mm (16"). <b>Full Submittal Required.</b>	Ames 920/620 Series Cla-Val 50-01 Cla-Val 650-01 Singer 106 RPS Singer 206 RPS Watts ACV 116E Series	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VAULT ACCESS DOOR, ALUMINUM</b>		Aluminum Vault Access Door, Dual Door Configuration, Spring Loaded and Counter Balanced, with Inset for Padlock. H-10 Parkway or H-20 Street Loading Required. <b>Full Submittal Required.</b>	Bilco Type JD-AL Lasco Lids LP & LH Series USF Fabrication THS, THD Watkins Metal Fabrication	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>VAULT DAMP-PROOFING</b>		Coating System used on the Exterior Surface of Vaults & Manholes at and below Water Table.	Carboline 50WB	<input type="checkbox"/>	
<b>VAULT EXHAUST FAN</b>		Electric, 110 Volt, Single Phase, Squirrel Cage Type, Suitable for Wet Locations. Size for 6 Volume Changes per Hour. <b>Full Submittal Required.</b>			
<b>VAULT GROUND FAULT RECEPTACLE</b>		125 Volt, 20 AMP, Duplex, with Gasketed, Self-Closing Aluminum Cover. <b>Full Submittal Required.</b>			
<b>VAULT LADDER EXTENSION</b>		Vault Ladder Extension, Retractable, 1,200mm (48") Extension. <b>Full Submittal Required.</b>	Bilco Ladder-Up Pipeline Products VL-100	<input type="checkbox"/> <input type="checkbox"/>	
<b>VAULT LADDER, ALUMINUM</b>		High Strength 6061-T6 Aluminum Alloy, 25mm (1") Diameter Solid Rungs and 450mm (18") Between Side Rails. Ladder to Exceed Requirements of CAL/OSHA Standards.	Alaco Model 560	<input type="checkbox"/>	
<b>VAULT LADDER, FIBERGLASS</b>		Fiberglass Reinforced Plastic, 25mm (1") Solid Square Rungs with Grit Safety Surface, Ultraviolet Inhibitors. 42 KPa (30,000 PSI) Tensile Strength with a 3 to 1 Safety Factor per OSHA Requirements. <b>Full Submittal Required.</b>			
<b>VAULT LIGHT SWITCH</b>		120 Volt, 20 AMP, Single Pole, Spring Loaded with Clear Waterproof Cover. <b>Full Submittal Required.</b>			

## POTABLE AND RECYCLED WATER FACILITIES

Item	PIPELINE SUPPLY	Description	Manufacturer	Selection	Comments
<b>VAULT LIGHTS</b>		Non-Metallic Incandescent Vaportite, 120 Volt, 6.0 AMP, Wall or Ceiling Mounted, with 100 Watt Bulb with Cage and Glass Protector for Bulb. Suitable for Wet Locations. Two Light Fixtures Per Vault. <b>Full Submittal Required.</b>			
<b>VAULT LOAD CENTER</b>		125 AMP, Double Pole, 1 Phase, 3 Wire, Solid Neutral 120/240 VAC with Plug-In GFI Breaker. <b>Full Submittal Required.</b>			
<b>VAULT SUMP PUMP</b>		Automatic Submersible, Minimum 1/2 HP, 115 Volt, 60 Hz, 1 Phase, Ball Bearing Motor with Thermal Overload Protection. Either bronze or Epoxy Coated Cast Iron Body. <b>Full Submittal Required.</b>			
<b>VAULT, FIBERGLASS REINFORCED PLASTIC (FRP)</b>		For Meter Sizes 75mm (3") and Larger. 1.82m Long x 1.2m Wide x 1.5m Deep (6' x 4' x 5'). FRP Construction, Minimum H-10 Parkway Loading with Reinforced Plastic Concrete or Aluminum Access Door. See Section 06620. <b>Full Submittal Required.</b>	Armorcast A6001506AMTF	<input type="checkbox"/>	
<b>VAULT, PRECAST CONCRETE</b>		For Pressure Reducing Stations, Reservoir Altitude Valves, etc. Various Sizes. Precast Base, Sections and Top with Aluminum Two Leaf Access Door. See Section 03462. <b>Full Submittal Required.</b>	B&W Precast Jensen Precast J & R San Diego Precast Utility Vault	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>WATER TEST STATION ENCLOSURE</b>		12 Gauge Steel, 200mm (8")x 1200mm (48"), Single Lockable Door, Powder Polyester Coated. Potable Water Color: Chocolate Brown. Recycled Water Color: OSHA Safety Purple.	Pipeline Products WTS-1200	<input type="checkbox"/>	
<b>WIRE, CATHODIC</b>		Stranded Copper, 600 Volt Rated Insulation, 2.08mm (7/64") Thick High Molecular Weight Polyethylene (HMW/PE) Insulation Jacket. Use the Wire Sizes and Insulation Jacket Colors of Wire as Required in Section 13110 and on the Standard Drawings.			
<b>WIRE, TRACER</b>		#14 AWG Solid Copper UF Type Wire, with Cross Linked Polyethylene Insulation. White or Yellow in Color.	Baron Cosberg Industries Paige Regency Wire Tripac-CCS	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<b>WIRE, TRACER CONNECTOR</b>		Direct Bury Silicone-Filled Capsule Tube with Standard Wire Nut or Silicone-Filled Wire Nut Connectors for Tracer Wire Connections.	3M DBR-6 King 4 King 5 King 6	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	