

## APPENDIX II

### APPROVED MATERIAL LIST- OCTOBER 2009

No.	Material Description	Approved Manufacturers
<b>1</b>	<b>Ductile Iron Pipe</b>	Pacific States Cast Iron Pipe Co. United States Pipe & Foundary American Cast Iron Pipe Company Griffin Pipe Products Company
	<b>Fitting Manufacturers</b>	Pacific States Cast Iron Pipe Co. United States Pipe & Foundary Star Sigma/Nappco Union Reliable American Ductile Iron Pipe Griffin Ductile
	<b>Pipe Joint Type</b>	Mechanical Joint - ANSI A21.11/AWWA C111 Rubber gasket - ANSI A21.11/AWWA C111 Flanged joint - ANSI A21.10/AWWA C110 Restrained joint - ANSI A21.10/AWWA C110. "Field-LOK" Gaskets, for use with "Tyton" joint pipe. Fast Grip Gaskets for use with "Fastite" joint pipe, as manufactured by American Cast Iron Pipe Company, or "Grip Ring", as manufactured by Romac Industries, Inc. or "Lok-Ring" as manufactured by American Cast Iron Pipe Company Sure Stop 350 Gasket by Pacific States Cast Iron Pipe Co.
<b>2</b>	<b>Steel Pipe</b>	Ameron International, Water transmission Group Northwest Pipe Company Kelly Pipe Company West Coast Pipe Linings Inc Southland Pipe Corp Imperial Pipe Services, LLC
<b>2A</b>	<b>PVC Pipe</b>	PVC for Recycled Water Projects only.
<b>3</b>	<b>Paint Systems.</b>	69 Primer and 2 coats of Aervoe-Pacific Co., Blue Marking Paint #203, or City approved equal. Air Valves - 1 coat Rust-Oleum #1069 Primer and 2 coats of Rust-Oleum #7638, Forest Green. See Sec. 210-1.5 (b) Fuller O'Brien, Pervd. Fire Hydrants - 1 coat Rust-Oleum #1069 Primer and 2 coats of either Fire Hydrant Pervo #2420, Rust-Oleum #7644 Federal Safety Yellow or Fuller O'Brien #312-74 Hi-Way Yellow Blowoff Hydrants - 1 coat of Rust-Oleum #1060 Primer and 2 coats Rustoleum #7644, Federal Safety Yellow, Pervo #2420, or Fuller O'Brien #312-74, Hi-Way Yellow. (Top of Hydrant) Fuller O'Brien #312-80, National Blue Paint Valves and Piping - Koppers #50, or City approved equal Curb Marking - Traffic Blue #6703, Vista Paint or City approved equal  Miscellaneous Appurtenances - "Tnemec" Pota-Pox Plus series 140F epoxy coating, or City approved equal.  All paint and protective coatings shall be holiday free
	<b>Suppliers</b>	Pervo Paint, Los Angeles - (213) 758-1147  Fuller O'Brien, Fullerton - (714) 992-0720  Vista Paint, Riverside - (951) 689-2501  Decratrend, San Bernardino - (909) 888-3211
<b>4</b>	<b>NUTS AND BOLTS</b>	hexagonal head machine bolts and hexagonal nuts, A-307 Grade B. Class 2A fit on bolts and Class 2B fit on the nuts, Plating, Bolt Length, Breakoff Bolts. (See 250-1)

<b>5 GASKETS.</b>	1/8" minimum thickness, micro finish, full face, red rubber style 150 by "Active Packing" Gaskets.					
	shall meet Federal Specification HH-P-151.					
<b>6 INSULATION GASKETS</b>	PSI Products, Inc., Burbank, California					
	Central Plastics Company, Shawnee, Oklahoma					
	CALPICO Inc., San Francisco, California					
	Sure Stop 350 Gasket, by Pacific States Cast Iron Pipe Co.					
<b>7 BUTTERFLY VALVES</b>	Pratt - Groundhog, Triton XR-70					
DIP Body	Mueller - Lineseal III					
	DeZurick or City approved equal					
	Krispin K'-Flow Butterfly Valve- DI body - 500 series-3" to 20".					
<b>8 GATE VALVES</b>	Milwaukee Valve, Co. 1141- Change per Jim Henke comments- 2" nut.					
	1/4-inch to 3-inch Gate Valves					
<b>9 Resilient Seat Gate Va</b>	American Flow Control Series 2500					
	Clow Series 6100					
	AVK Series 25					
	Mueller Model A2360					
	M & H Style 4067 NRS					
<b>10 Tapping Sleeves</b>						
<b>Stainless Steel Sleeves</b>	Smith-Blair 662 and 663					
	Romac SST or-Romac FTS 420					
	Powerseal 3490-AS					
<b>Mechanical Type Joint</b>	Mueller-Mechanical Joint Tapping Sleeve					
	Clow-Mechanical Joint Tapping Sleeve					
	American Flow Control - Mechanical Joint Tapping Sleeve					
<b>11 AIR VALVES</b>	Crispin, 2-inch					
	C 21 Single Body Combination (Universal type Air Release Valve					
<b>12 Resilient Wedge Gate</b>						
<b>Valves - Fire Services</b>	American Flow Control Series 2500					
	Clow Series 6100					
	AVK Series 25					
	M&H Series 3067 (NRS) (3068 for OS & Y)					
	Mueller Model A2360					
<b>13 BRASS AND BRONZE ITEMS</b>	<b>Models</b>					
	<b>Ford</b>	<b>Jones</b>	<b>McDonald</b>	<b>Mueller</b>	<b>Cambridge Brass</b>	
<b>14 Service Fittings</b>						
<b>ITEM</b>						
	1" Ball Corp. MIPT X MIPT	FB500-4	J-1943	3131B	B-20013	301-M4M4
	1" Couplings FIPT X Pack Joint for CTS	C14-44G	J2607	4754-22	P-15451	
	2" Ball Corp MIPT X MIPT	FB-500-7	J-1943	3131B	B-2969	301-M7M7
	2" Corp Stop CC X IPT	FB-400-7	J-1944	3128B		
	1" Angle Ball Meter Stop	444W	BA43-J-1963W	4602B-22	B-24258	210-H4T4
	2" Angle Ball Meter Stop	777W	BF A13J-1974V	4604B	B-24276	210-F7MF7
	2" Couplings MIPT X Comp, CTS	C84-77	J-2605		H-15428	117-H7M7
	1" x 3/4" Meter Adaptor	A34	J-128-H			440-N4R2
	1" Meter Coupling	C38-44-2.625	J-134	4620	H-10891	417-T4M4
	3/4" Meter Coupling	C38-23-2.5	J-134	4620	H-10891	417-T3M3
<b>15 Service Saddles</b>	1. Mueller Cat. No. BR 2 B 0474 IP, BR2B0684 IP;BR2B0899IP; BR2B1104 IP; BR2B1314 IP					
<b>(Service Clamps)</b>	2. Smith-Blair Cat. No. 323-0510 thru 323-1426					
Bronze double strap type	3. R.H. Baker Cat. No. 183-413 TAP thru 183-1426 TAP					
with neoprene seal ring	4. Jones Cat. No. J-979					
gasket	5. McDonald No. 3826					
	6. Ford - 202B					
	7. Cambridge Cat. No. 810					
	8. Rockwell Cat. No. 323-0510 thru 323-1426 (not in CIP Projects)					

		MODELS					
<b>16</b>	<b>Water Sampler Fittings</b>		<b>FORD</b>	<b>JONES</b>			
		1" Corp. Stop IPT x Compression	1"-F-1100	1"-J-3403			
		1" Corp. Stop IPT x 1 PT	1"-F-500	1"-J-41			
		1" Angle Ball Meter Stop	BA43-444W	1"-J-1963W			
		1" x 3/4" Meter Adaptor	A34	1" x 1-1/4", J-128-H			
<b>17</b>	<b>FIRE HYDRANTS</b>						
	<b>Regular FH</b>	Hydrant (1 - 2-1/2" and 1 - 4" Outlets	Clow copr. Corona, Ranger 900 series, Model 950				
	6" wet barrel, 1-4" outlet and	JAMES JONES COMPANY, El Monte, California, Model J-4040-C					
	1-2-1/2" outlet and 6" DI bury	AMERICAN AVK CO., Fresno, California,					
	CWD-700	Model 2490 (250-10.1)					
	<b>Super Hydrant</b>	CLOW CORP., Corona, California, Ranger, 900 Series, Model 960					
	2-2-1/2" Outlets and 4" Outlet	JAMES JONES COMPANY, El Monte, California, Model J-4060-C					
	and 6" ductile Iron bury.	AMERICAN AVK CO., Fresno, California,					
		Model 24/70					
<b>18</b>	<b>BOLTED, SLEEVE-TYPE COUPLINGS</b>						
	<b>Flexible Couplings</b>	Baker Series 200					
		Dresser Style 38					
		Smith-Blair 411 and 441					
		Romac Style 501					
		Ford Style FC1 and FC2					
<b>19</b>	<b>Flanged Coupling Adapters</b>						
		Baker Series 601					
		Smith-Blair 912, 913, and 914					
		Ford Style FFCA					
		Romac Style FCA 501					
<b>20</b>	<b>METER BOXES</b>						
	<b>3/4" and 1" Meters</b>	Armorcast	No. 37 (Polymer Concrete Cover)				
		Carson Industries	1017 (Plastic Box and Cover with Reading Lid)				
		J x R Concrete	No. 4 1/2 (Polymer ) Water Meter Box Series.				
	<b>1-1/2" and 2" Meters</b>	Armorcast	No. 65 (Polymer Concrete Cover)				
		J x R Concrete	No. 5 1/2 (Polymer) (250-12.1)				
<b>21</b>	<b>Meter Vault</b>	J & R Concrete					
	Compound Meter 3", 4" & 6"						
	Water Service	10K, BOLTS: HEX S.S., RPM POLYMER					
	Per CWD-800-1/2; 801-1/2.	CONCRETE FRAME AND NON-SKID 3 PC COVER					
		WATER" LOGO ON COVER, , WITH READING LID (HDG)					
		ON CENTER COVER, WITH 14" W X 22" H MOUSEHOLES					
		OFF CENTERED ON EACH END WALL),					
<b>22</b>	<b>Locator Wire</b>	Northtown-THHN/THWN 600v Solid and Stranded					
		8-gauge-ONE strand.					