



APPROVED MATERIALS LIST

WATER

DESERT WATER AGENCY
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APPENDIX A: REVISIONS

Effective January 1, 2010, the State of California, Department of Toxic Substances Control, enacted a law, *Requirements for Low Lead Plumbing Products in California*. The intent of this legislation is to reduce the lead content in plumbing components intended to convey or dispense water for human consumption.

“Lead Free” means that the maximum allowed lead content is:

- 0.20 percent lead in solder and flux;
- 0.25 percent lead in welded surfaces of pipe, pipe fittings, plumbing fittings and fixtures, as determined by weighted average.

BE ADVISED THAT ALL MATERIALS ARE APPROVED ON AN INDIVIDUAL JOB BASIS. THIS LIST IS SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE. SUPPLIERS FURNISHING MATERIAL FOR CONSTRUCTION OF DESERT WATER AGENCY FACILITIES SHALL SUBMIT A MANUFACTURER CERTIFICATION THAT SAID MATERIAL MEETS ALL APPLICABLE ANSI, ASTM, AND SAE STANDARDS AND TESTING REQUIREMENTS. APPROVALS DESCRIBED HEREIN, FOR PRODUCTS OR SERVICES DESIGNATED BY ONLY ONE SPECIFIC BRAND OR TRADE NAME ARE APPROVED SOLELY TO MATCH OTHER PRODUCTS ALREADY IN USE FOR PARTICULAR IMPROVEMENTS EITHER COMPLETED; OR IN THE COURSE OF COMPLETION; OR IN ORDER TO MATCH ITEMS THAT ARE ONLY AVAILABLE FROM A SINGLE SOURCE. SAID MATERIAL SHALL BE TRACEABLE AS TO MANUFACTURING LOCATION, IDENTIFICATION CODE, DATE OF TESTING, AND DATE OF SHIPPING.

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DESCRIPTION

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NUMBER

SECTION A: PIPE

A-01: 10 Ga. CML/CMC

1. Bell & Spigot

Ameron

N/A

Northwest Pipe (Cali. Press Pipe)

N/A

CSI Tube Forgings

N/A

Roscoe Moss

N/A

2. Weld Bell End ‘s

Ameron

N/A

Northwest Pipe (Cali. Press Pipe)

N/A

CSI Tube Forgings

N/A

Roscoe Moss

N/A

A-02: Standard CML/CMC

1. Bell & Spigot

Ameron

N/A

Northwest Pipe (Cali. Press Pipe)

N/A

Kelly Pipe

N/A

CSI (CA Steel Industries)

N/A

2. Weld Bell End’s

Ameron

N/A

Northwest Pipe (Cali. Press Pipe)

N/A

CSI (CA Steel Industries)

N/A

A-03: Ductile Iron

1. Class 350 (8”-12”);

Griffin

N/A

Class 250 (14”-24”);

McWane Ductile

N/A

Class 150 (greater than 24”);

U.S. Pipe **

N/A

with double thickness CML,

American Ductile †

N/A

without taper, no interior seal

coating, push-on, rubber gasket,

Tyton interchangeability,

18 ft. lengths of pipe only.

20 ft. lengths of pipe (American)

**** TR Flex or HDSS Restrained Joint Pipe accepted for pipe greater than 24”.**

† Do not purchase or stock American Ductile pipe in Desert Water Agency inventory. Acceptable for New Developments or Replacement Pipelines Projects.

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<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION A: PIPE (Continued)		
A-04: Asbestos-Cement (No Longer Used) (No Longer Used)		N/A
A-05: Copper Service		
NOTE: Tubing manufactured outside of the United States must be IAPMO Certified.		
1. Type K Soft, 1” ASTM-B88 (100’ Rolls)	Cerro Mueller Industries Cambridge/Lee	N/A N/A N/A
2. Type K Soft, 2” ASTM-B88 (50’ Rolls or 20’ Rigid Lengths)	Cerro Mueller Industries Cambridge/Lee	N/A N/A N/A
A-06: Brass Pipe		
NOTE: Effective Jan. 1, 2010 brass pipe must meet lead free requirements of California AB1953.		
1. Red Hard Brass, ASTM-B43 Std. Wt.	Mueller Industries Smith Cooper International	N/A N/A
A-07: Standard Wt. Galvanized		
1. 1” Schedule 40 Std. Wt., ASTM A53F	Wheatland Edmond Grey	N/A N/A
2. 2” Schedule 40 Std Weight, ASTM A53A	Wheatland Edmond Grey	N/A N/A
A-08: Standard Wt. Black Pipe (No Longer Used) (No Longer Used)		
A-09: 10 Ga. CMC/Coal Tar Enamel Int. Lining		
1. Bell & Spigot	Northwest Pipe (Cali. Press Pipe)	N/A

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SECTION B: VALVES

B-01: Gate

1. 2” Threaded End, Resilient Seat Epoxy Lined and Coated Ductile Iron Body & Bonnet per AWWA C-515	Clow AVK American Flow Control Mueller	F-6103 Series 03 Series 2500 A 2360 (ductile iron)
2. 4” to 12” Flanged, Resilient Seat, Epoxy Lined and Coated Ductile Iron Body & Bonnet per AWWA C-515	Clow AVK American Flow Control Mueller U.S. Pipe	A 2638 45 Series Series 2500 Series 2362 Metro Seal 250
3. 2” Flanged, Resilient Seat, Epoxy Lined and Coated Ductile Iron Body & Bonnet per AWWA C-515	Mueller	A-2362-6

B-02: Butterfly

1. 12” to 42” Flanged (Rubber Body Seat, Epoxy Coated Disc., Epoxy Lined and Coated Body for Buried Service, Ductile Iron Body and Disc.)	Pratt Mueller M & H Dezurik Crispin/Keystone	Groundhog/ HP 250 Lineseal XPII Model 4500 Class 150 (12”-24”) Model 1450 Class 150B (30”-42”) N/A K-Flo 500 or 47 series
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B-03: 1” Corp.

1. CT. Comp. Inlet-IPT (Used with service saddle)	Jones Mueller A. Y. McDonald Ford	E-1935-SG H-15028N 74704BQ FB1100-4-Q-NL
2. Inlet-AWWA Taper Thread (Ductile Iron Pipe only; Direct tap without service saddle)	Jones Mueller A. Y. McDonald	E-1937-SG 25008N 74701BQ

B-04: 2” Corp.

NOTE: 12” Main & Smaller, 2” Corp. on DIP to be IPT with Saddle, larger mains to be Direct Tap with AWWA Taper. 2” Corp. Stops shall be ball valve type.

1. CT. Comp. Inlet-IPT (Used with service saddle)	Jones Mueller A. Y. McDonald Ford	E-1935-SG H-15023N 74704BQ FB1100-7-Q-NL
2. Inlet-AWWA Taper Thread (Ductile Iron Pipe only; Direct tap without service saddle)	Jones Mueller A. Y. McDonald	E-1937-SG H-15013N 74701BQ

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<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION B: VALVES (Continued)		
B-05: 1" Angle Stop: LW. CT. Comp. (Shall be ball valve type; shall be quarter turn check)	Jones Mueller ** A. Y. McDonald	<u>E-1963WSG</u> <u>B-24258-1N</u> <u>74602BQ</u>
B-06: 1" Angle Stop: LW. FIPT Inlet (For use on Service Manifolds only; Shall be ball valve type)	Jones Mueller A. Y. McDonald	<u>E-1527</u> <u>B-24265N</u> <u>74604B</u>
B-07: 2" Angle Stop (For use on all 2" Services; shall be ball valve type) 1. LW Slotted FIPT Inlet	Jones (Ball Valve) Mueller (Ball Valve) A. Y. McDonald	<u>E-1974-W</u> <u>B-24286N</u> <u>74604B</u>
B-08: 1" CCV Assembly 1. Ball Valve, 1/4" turn	Ford Jones	<u>B11-444HB-34SNL</u> <u>E-1905</u>
B-09: 1 - 1/2" CCV Assembly 1. Brass Gate Valve	Milwaukee Watts	<u>UP105</u> <u>LFGV-1-1/2"</u>
B-10: 2" CCV Assembly 1. Brass Gate Valve	Milwaukee Watts	<u>UP105</u> <u>LFGV-2"</u>

NOTE: Air valves shall have ductile iron bodies, stainless steel trim, fusion bonded epoxy lining, typical of all air valves.

B-11: 1" Air Valve	Val-Matic * Apco * Crispin * ARI	<u>201C</u> <u>143C</u> <u>UL SERIES</u> <u>D-040 (p-threaded)</u> <u>w/screen</u>
B-12: 2" Air Valve	Val-Matic * Apco * Crispin * ARI	<u>202C</u> <u>145C</u> <u>UL-SERIES</u> <u>D-040(p-threaded)</u> <u>w/screen</u>

* DWA Purchase Only, Consult Warehouse Prior to Purchase.
** Checkless 360° turn angle stop accepted for Mueller B-24258-1N Only.

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SECTION B: VALVES (Continued)

NOTE: Air valves shall have ductile iron bodies, stainless steel trim, fusion bonded epoxy lining, typical of all air valves.

NOTE: Effective Jan. 1, 2010 any plumbing fixture must meet lead free requirements of California AB1953.

B-13: 4" Air Valve Class 150 Flanged only	Val-Matic * Apco * Crispin ARI	204C 149C UL Series 0-060-C HF
B-14: 3/4" Ball Valves (Backflow Devices) 1. Tapped (Made for Febco, Hersey, Watts or Wilkins)	Various **	N/A
B-15: 1" Ball Valves (Backflow Devices) 1. Tapped (Made for Febco, Hersey, Watts or Wilkins)	Various **	N/A
B-16: 1-1/2" Ball Valves (Backflow Devices) 1. Tapped (Made for Febco, Hersey, Watts or Wilkins)	Various **	N/A
B-17: 2" Ball Valves (Backflow Devices & Air Valve Installations) 1. Tapped, Full Port Ball Valve (Made for Febco, Hersey, Watts or Wilkins)	Various ** Febco	N/A LF622FT
B-18: Flap Valve	Clow	F-3012
B-19: 1" Service Stop (DWA Use Only) 1. Lock Wing	A Y McDonald Mueller	76101W B20200N
B-20: 2" Service Stop (DWA Use Only) 1. Lock Wing	A Y McDonald Mueller	76101W B20200N

* DWA Purchase Only, Consult Warehouse Prior to Purchase.

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SECTION C: FLANGES

Certifications Required

NOTE: All Flanges shall be forged or plate steel material; 4” through 12” shall be per AWWA C-207, Class E Hub or ANSI B 16.5 Class 150; Flanges 16” and larger shall be per AWWA C-207, Table 5, Class E milled Ring Flanges.

C-01: Weld Flanges		
1. Raised Face	AFGlobal Corp.	<u>N/A</u>
	Texas Flange	<u>N/A</u>
	Weld Bend	<u>N/A</u>
	BolTex	<u>N/A</u>
	Hackney Ladish	<u>N/A</u>
2. 6 Hole F.H. Flange (Full Face)	AFGlobal Corp.	<u>N/A</u>
	Texas Flange	<u>N/A</u>
	Weld Bend	<u>N/A</u>
	BolTex	<u>N/A</u>
	Hackney Ladish	<u>N/A</u>
C-02: Reducing Flanges		
1. Raised Face	AFGlobal Corp.	<u>N/A</u>
	Texas Flange	<u>N/A</u>
	Weld Blend	<u>N/A</u>
	BolTex	<u>N/A</u>
	Hackney Ladish	<u>N/A</u>
C-03: Companion Flanges		
1. Full Face or Ductile Iron Raised Face	AFGlobal Corp.	<u>N/A</u>
	Texas Flange	<u>N/A</u>
	Weld Blend	<u>N/A</u>
	BolTex	<u>N/A</u>
	Hackney Ladish	<u>N/A</u>
C-04: Blind Flanges		
1. Raised Face	AFGlobal Corp.	<u>N/A</u>
	Texas Flange	<u>N/A</u>
	Weld Blend	<u>N/A</u>
	BolTex	<u>N/A</u>
	Hackney Ladish	<u>N/A</u>

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SECTION D: FITTINGS

D-01: Steel, CML/CMC 10 Ga.

Ameron	N/A
Northwest	N/A
Tube Forging (fittings)	N/A
Kelly	N/A
CSI	N/A
Hackney Ladish	N/A
Southland Pipe	N/A
West Coast Welding	N/A

D-02: Steel, CML/CMC Std.

Ameron	N/A
Northwest	N/A
Tube Forging	N/A
Kelly	N/A
Hackney Ladish	N/A
Southland Pipe	N/A
West Coast Welding	N/A

D-03: Ductile Iron, CML

1. Flanged C110/A21.10 (Full Body, Long Lay Length) Eccentric	Star Pipe	N/A
	Tyler Union Foundry	N/A
	SIP Industries	N/A
	Sigma Corporation	N/A
2. Push-on Rubber Gasketed C153/A21.53 (Compact Body) (Tyton Bell Interchangeability)	Star Pipe	N/A
	Tyler Union Foundry	N/A
	U.S. Pipe	N/A
	Sigma Corporation	N/A
	SIP Industries	N/A

D-04: Asbestos-Cement (No Longer Used)

D-05: Brass

NOTE: Effective Jan. 1, 2010 brass fittings must meet lead free requirements of Calif. AB1953.

Lee Brass	N/A
Elkhart Products Corp.	N/A
Merit Brass	N/A

D-06: Galvanized

Ward Mfg.	N/A
Grinnell	N/A

D-07: Black Steel (No longer used)
(No longer used)

N/A

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SECTION E: VAULTS / METER BOXES

NOTE: Concrete meter boxes will not be accepted.

<p>E-01: Meter Box with Lid, (1" Service)</p> <p>1. 10"x20"x12 Poly Base (12" Deep), 1 piece poly cover with no hinge. Lid not to be marked other than "DWA"</p>	<p>J & R *</p> <p>Armorcast *</p>	<p>Box: 10"x20"x12" No. P-W4-0 Lid:1 Pc</p>
<p>Traffic Rated Meter Box with Lid (1" Service)</p> <p>2. Lid not to be marked other than "DWA"</p>	<p>CDR/Hubbell *</p> <p>DFW Plastics, Inc.</p>	<p>Box: A 6000486 Cover: A 6000483-D Drop-in for cover: 6000487</p> <p>Box: 11"x20"x12" No. PG1120BA12 Cover: PG1120WA00</p>
<p>E-02: Meter Box with Lid, (2" Service)</p> <p>1. 17"x28"x12" Poly Base (12" Deep), 2 piece poly cover with reading lid (no hinge). Lid not to be marked other than "DWA"</p>	<p>J&R *</p> <p>Armorcast *</p>	<p>Box: 17"x28"x12" No. P-W5 ½ Lid:2 Pc</p> <p>Box: A6001419 Lid: A6001420-D Drop-in for cover: A600481</p>
<p>Traffic Rated Meter Box with Lid (2" Service)</p> <p>2. Lid not to be marked other than "DWA"</p>	<p>DFW Plastics, Inc.</p>	<p>Box: 16 5/16"x31 ¾"x12" No. DFWPW6C4-12-4</p>
<p>E-03: Vault (W/ SWF & C Armored, Plain) (No Longer Used)</p>		
<p>E-04: Street Valve Box with Lid</p> <p>1. Stamped "DWA" only</p>	<p>Jensen *</p> <p>Eisel Enterprises *</p> <p>Southbay Foundry *</p> <p>J & R *</p>	<p>N/A</p> <p>N/A</p> <p>SBF-SBTT</p> <p>V-4T</p>
<p>Mark V Heavy Triangle Box with Lid</p> <p>2. 10" Mark V Tri Lid Stamped "DWA" only</p>	<p>Bingham & Taylor</p>	<p>GRE10RTF</p>
<p>E-05: Valve Box Extensions C-900, 8" PVC Pipe, Pressure Class 235, DR-18</p>	<p>Various</p>	<p>N/A</p>
<p>E-06: Customer Control Valve Box</p>	<p>J & R (Polymer Only)</p>	<p>VI-R</p>

* DWA Purchase Only, Consult Warehouse Prior to Purchase.

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
<u>SECTION E: VAULTS / METER BOXES</u> (Continued)		
E-07: Traffic Vault	Jensen	W-3048
	J&R	N/A
E-08: Traffic Lid	Jensen	N/A
Bolt-down traffic rated cover designed for AASHTO H-20 wheel loading	J&R	N/A

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SECTION F: FIRE HYDRANTS

<p>F-01: Residential Ductile Iron or Bronze (Ductile Iron shall have 1-1/8" cap and operating nut with plastic nozzle cap) One 4" Pumper Outlet and One 2-1/2" Hose Outlet</p>	<p>Jones Jones Clow * Clow *</p>	<p><u>J-3700 (Bronze)</u> <u>J4040DR (Ductile Iron)</u> <u>2050 (bronze)</u> <u>850 Ductile Iron</u></p>
<p>F-02: Commercial Ductile Iron or Bronze (Ductile Iron shall have 1-1/8" cap and operating nut with plastic nozzle cap) One 4" Pumper Outlet and Two 2-1/2" Hose Outlet</p>	<p>Jones Jones Clow * Clow *</p>	<p><u>3765 (Bronze)</u> <u>J4060DR (Ductile Iron)</u> <u>2060 (bronze)</u> <u>860 Ductile Iron</u></p>

*** DWA Purchase Only, Consult Warehouse Prior to Purchase.**

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SECTION G: BACKFLOW DEVICES

<p>G-01: Double Check 1. 3/4" – 1" – 1 1/2" – 2" (above ground only)</p>	<p>Wilkins</p>	<p><u>950XLT2</u></p>
<p>G-02: Reduced Pressure 1. 3/4" – 1" – 1 1/2" – 2" (above ground only)</p>	<p>Wilkins Febco *</p>	<p><u>975XL2</u> <u>825YA</u></p>
<p>G-03: Double Check, Detector Check N-Pattern (with resilient seated OS&Y gate valve) 1. 4" – 6" – 8" – 10"</p>	<p>Febco</p>	<p><u>LF876 "V" DCDA</u> <u>w/setter</u></p>
<p>G-04: Inline Single Check 1. 1" meters (for use on residential meters only)</p>	<p>Wilkins</p>	<p><u>1¼" 40XL2</u></p>

* **DWA Purchase Only**

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SECTION H: MISCELLANEOUS

H-01: Service Saddles

NOTE: Required for 2” service on ductile iron mains 12” and smaller. Used with CT. Comp. Inlet-IPT Corporation Stop.

1. Double Strap, Bronze IPT	Ford James Jones Mueller Romac AY McDonald	202-B _____ J-979 _____ BR-2-B _____ 202-B _____ 3826 _____
2. Double Strap, Iron (For DWA use only)	Smith-Blair	313 _____
H-02: Adapters		
1. RT x Flange (AC Pipe)	Romac Smith-Blair	CGFA _____ 912 _____
2. Push-on Rubber Gasketed x Flange (C153, DIP) (Tyton Bell Interchangeability)	Tyler Union U.S. Pipe Star	N/A _____ N/A _____ N/A _____
H-03: Concrete (Portland Cement Mix Design) SUBMIT MIX DESIGN FOR APPROVAL		
	Various	N/A _____

H-04: Gaskets (Ring Flange, Ductile Iron Pipe Restrained Joint)

NOTE: NSF Certification Required.

Ring Flange:		
1. 1/16” Non-Asbestos	Garlock Klinger Tripac	Blue-Gard Style 3000 _____ 4401 green _____ Blue-Gard Style 3000 _____
2. 1/8” Flange Tyte (for Epoxy Coated Flanges)	U.S. Pipe Tripac	N/A _____ 2000 (Rubber) _____
3. Ductile Iron Pipe Tyton Joint or Fastite Joint Restraint:	U.S. Pipe ** McWane American Ductile †	Field Lok 350 _____ Sure Stop 350 _____ Amarillo Fast-Grip; _____ Yellow color _____

**** TR Flex Locking Segments and TR Flex Gripper Rings Restraints accepted for pipe greater than 24”.**
† Acceptable for New Developments or Replacement Pipeline Projects. DWA must Consult Construction Department Prior to Purchase.

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<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION H: MISCELLANEOUS (Continued)		
H-05: Gaskets (Fire Hydrant)	Romac	N/A
H-06: Nuts, Bolts (Unplated) (Certifications Required)		
1. F.H. Bolts		
a) Breakaway 5/8” x 2-3/4” ASTM A307, Std. Hex or SAE J-429 Grade 2; Coating Required **	Nucore Premier Fastener Co. Brimingham Fastener Manufacture Tripac ITP	N/A N/A N/A N/A N/A
b) Breakaway 5/8” x 3”, ASTM A307, Std. Hex or SAE J-429 Grade 2 Std. Hex; Coating Required **	Nucore Premier Fastener Co. Brimingham Fastener Manufacture Tripac ITP	N/A N/A N/A N/A N/A
2. F.H. Nuts ASTM A563, Grade 0 Coating Required **	Nucore Premier Fastener Co. Birmnghm Fastener Manuf. Tripac ITP	N/A N/A N/A N/A N/A
3. All Other Bolts 5/8” to 1-1/2” Diameter U.S. Only ASTM F3125 or SAE J429, Grade 5 Heavy Hex	Nucore Premier Fastener Co. Birmnghm Fastener Manuf. Tripac ITP	N/A N/A N/A N/A N/A
4. Nuts		
a) ASTM A563, Grade C Heavy Hex, or SAE J995 Grade 5 Std. Hex For use with SAE J429 or A325 Bolts	Birminghm Fastener Manuf. Nucore Premier Fastener Co. Tripac ITP	N/A N/A N/A N/A N/A
H-07: Tracing Wire (500 Ft. Rolls Max) Coated 14 Gage	N/A	N/A

**** Tripac 2000 Blue Coating System accepted. Fire hydrant bolts and nuts shall be coated with Tripac 2000 Blue Coating system, or Agency approved equal.**

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION H: MISCELLANEOUS (Continued)		
H-08: Pipe Wrap	Protecto Wrap	#200A
H-09: Bronze 90°, CT x FIP 2" CT Comp 90 x FIP	Jones Mueller	J-2621SG H15533
H-10: Stainless Steel Bands (No Longer Used)		
H-11: Pipe Dope	J.C. Whitlam Mfg. select Teflon LA-CO T.D.T Hercules (Real-Tuff)	Unyte TF8 12219 15-620
H-12: Service Couplings		
1. 1" CT x CT	Ford Jones Mueller AY McDonald	C44-44-GNL E-2609-SG H-15403N 4758Q
2. 2" CT x CT	Ford Jones Mueller AY McDonald	C44-77-GNL E-2609-SG H-15403N 4758Q
H-13: Brass Nipple		
1. 1" x 12"	Lee Brass Edmond Gray Smith Cooper	N/A N/A N/A
2. 2" x 18"	Lee Brass Edmond Gray Smith Cooper	N/A N/A N/A
H-14: Meter Coupling (DWA use only)		
1. 5/8"	Ford	C31-23NL
2. 1" x 5/8"	Ford	C31-24NL
3. 1"	Ford	C31-44NL
H-15: Meter Flange (DWA use only)		
1. 1-1/2" C1	Romac	C-1
2. 2" C1	Romac	C-1
H-16: Air Valve Cover		
1. 24"x36" Armorcast	Armorcast	P6002001

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION H: MISCELLANEOUS (Continued)		
H-17: Air Valve Screen		
1. 1” dia.	Northtown Co.	<u>FUJ-100</u>
2. 2” dia.	Filters, Inc.	<u>N/A</u>
	Flow Ezy	<u>M-16-10</u>
	Northtown Co.	<u>FUJ-200</u>
3. 4” dia.	Filters, Inc	<u>N/A</u>
	Northtown Co.	<u>FUJ-400</u>
H-18: Bolt Anti-Seize Material		
	Flo-Pro Hi-Temp	<u>C5-A</u>
	Lawson Lubri-Temp	<u>19920</u>
	Markal/E-Z Break	<u>08910</u>
	Loctite	<u>LB 8036</u>
	SAF-T-LOK	<u>SAF-T-EZE</u>
		<u>Marine Grade Anti-Seize</u>
H-19: Tapping Sleeves		
Factory Certified to 1.5 WPR (or 225 psi)		
1. AC and Ductile Iron Pipe repair. (For DWA use only)	Romac	<u>SST III SERIES</u>
	Cascade	<u>CST-EX</u>
	Mueller	<u>H304</u>
H-20: Mechanical Joint Restraint System		
NOTE: Application subject to DWA approval.		
1. MJ x Flange Adapter Refer to Section D-03.1 for Ductile Iron Flanged Fittings	Various	<u>N/A</u>
2. Dual Purpose Cut-In Sleeve	Tyler Union	<u>N/A</u>
	Star Pipe	<u>N/A</u>
	U.S. Pipe	<u>N/A</u>
3. Mechanical Joint Restraint	Star Pipe	<u>Star Grip 3000</u>
	Mega-Lug	<u>1100</u>
	Romac	<u>Romagrip</u>

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
SECTION J: WATER QUALITY SAMPLE STATION		
J-1: 1/2" Brass Compression Male Connector (Std.) (1/2" Tube x 1/2" Pipe Thread)	N/A	<u>N/A</u>
J-2: Water Quality Sample Station Cover Sandstone color finish	Armorcast	<u>P6002010-Hinged</u>
J-3: 1/2" Full-Port Ball Valve (Untapped)		
NOTE: Effective Jan. 1, 2010, 1/2" full port ball valve must meet lead free requirements of Calif. AB1953.		
	Watts	<u>N/A</u>
	Wilkins	<u>N/A</u>
J-4: 1" x 3/4" Meter Adapter	Ford	<u>24NL</u>
J-5: 1" x 1/2" Brass Bushing		
NOTE: Effective Jan. 1, 2010, 1" x 1/2" brass bushing must meet lead free requirements of Calif. AB1953.		
	N/A	<u>N/A</u>
J-6: 1/2" Soft Copper Tubing (Heavy Duty)	N/A	<u>N/A</u>
J-7: Water Sample Valve	Koraleen Enterprises	<u>N/A</u>

APPENDIX A: REVISIONS

A - 3/15/17

UPDATES:

1. A-03 Company Name Change from Pacific States to McWane Ductile
2. B-01 Replace Mueller A 2361 with A 2362
3. B-02 Replace Mueller Lineseal III with Lineseal XPII
4. E-01 Add Traffic Rated Box & Lid No. DFW486RF4-12-4
5. E-02 Add Traffic Rated Box & Lid No. DFWPW6C4-12-4

B - 7/5/17

UPDATES:

1. Reinstate disclosure statement above section A-01 regarding approved materials

C - 11/22/17

UPDATES:

1. B-06 Deleted Mueller H14265
2. H-04 Add NOTE: NSF Certification Required

D - 3/23/18

UPDATES:

1. B-01.3 Add Mueller A-2360-6
2. F-01 Add note to page “DWA Purchase Only” and asterisk to items Clow 2050 (bronze) and Clow 850 Ductile Iron.
3. F-02 Add note to page “DWA Purchase Only” and asterisk to items Clow 2060 (bronze) and Clow 860 Ductile Iron.
4. E-01.1 Add note to page “DWA Purchase Only” to all items listed.
5. E-02.1 Add note to page “DWA Purchase Only” to all items listed.

E - 2/28/19

UPDATES:

1. B-01.3 Replace Mueller A-2360-6 with A-2362-6
2. B-03.1 Add note, “Used with service saddle”
3. B-03.2 Add note, “Direct tap without service saddle”
4. B-04.1 Add note, “Used with service saddle”
5. B-04.2 Add note, “Direct tap without service saddle”
6. B-05 Add note, “shall be quarter turn check”
7. Page 4 of 6 Add footnote, “**Checkless 360° turn angle stop accepted for Mueller B-24258-1N Only”
8. E-07 Deleted Brooks W-200-18 Series
9. E-07 Deleted Quickset
10. E-07 Add Jensen
11. E-07 Add J&R
12. E-08 Replace note, “(one-piece with 5/16” Floor Plate)” with “Bolt-down traffic rated cover designed for AASHTO H-20 wheel loading”
13. E-08 Add Jensen
14. E-08 Add J&R
15. G-03 Add note, “N-Pattern”
16. H-04.1 Replace “Style 3000 blue/green” with “Blue-Gard Style 3000”
17. H-04.1 Replace “5000” with “Blue-Gard Style 3000”

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

F - 4/3/20

UPDATES:

1. J-2 Replace Pipeline Products WTS 858 with Armorcast P6002010
2. J-2 Add note, “Sandstone color finish”

G - 3/22/22

UPDATES:

1. A-03 Add to material description, “20 ft lengths of pipe (American)”
2. A-03 Add footnote, “** TR Flex Restrained Joint Pipe accepted for pipe greater than 24”.
3. A-03 Add American Ductile
4. A-03 Add footnote, “† Do not purchase or stock American Ductile pipe in Desert Water Agency inventory. Acceptable for New Developments or Replacement Pipelines Projects.”
5. B-03 Replace “H-15028” with “H-15028N”
6. Section B Add note, “Effective Jan. 1, 2010 any plumbing fixture must meet lead free requirements of California AB1953.”
7. B-14 thru B-17 Replace “Fortune Figure” with “Various” including footnote “** Consult Warehouse Prior to Purchase”
8. B-17 Add Air Valve Installations and material description “Tapped, Full Port Ball Valve”
9. B-17 Add Febco LF622FT
10. C-01 thru C-04 Replace “Ameri-Forge Corp.” with “AFGlobal Corp.”
11. D-05 and D-06 Remove “(U.S.A. Made Only)”
12. E-04 Add footnote, “* DWA Purchase Only, Consult Warehouse Prior to Purchase”
13. E-05 Add material description, “C-900, 8” PVC Pipe, Pressure Class 235, DR-18” and remove Jensen
14. F-01 Replace “J4040D” with “J4040DR” and add material description “One 4” Pumper Outlet and One 2-1/2” Hose Outlet”
15. F-02 Replace “J4060D” with “J4060DR” and add material description “One 4” Pumper Outlet and Two 2-1/2” Hose Outlet”
16. G-02 Add material description “(above ground only)”
17. H-04.3 Add to material description, “Fastite Joint”
18. H-04.3 Add footnote, “** TR Flex Locking Segments and TR Flex Gripper Rings Restraints accepted for pipe greater than 24”
19. H-04.3 Add American Ductile and Amarillo Fast-Grip; yellow color
20. H-04.3 Add footnote, “† Acceptable for New Developments or Replacement Pipelines Projects. DWA must Consult Construction Department Prior to Purchase.
21. H-06.1 thru H-06.2 Add to material description “Coating Required” and footnote “** Tripac 2000 Blue Coating System accepted. Fire hydrant bolts and nuts shall be coated with Tripac 2000 Blue Coating system, or Agency approved equal.
22. H-18 Add Loctite LB 8036 and SAF-T-LOK SAF-T-EZE Marine Grade Anti-Seize

H - 6/1/23

UPDATES:

1. A-03 Add to footnote, “or HDSS”
2. Section C Deleted Pacific Coast Flange Inc
3. H-06 Replace “A325” with “F3125”
4. H-20 Add note, “Refer to Section D-03.1 for Ductile Iron Flanged Fittings”