



DESERT
WATER
AGENCY

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.

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

DESCRIPTION

MANUF./SUPPLIER

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. It is acceptable for use in new developments or replacement pipeline projects. When installing joints manufactured by AMERICAN Cast Iron Pipe Company, the use of gaskets not manufactured by AMERICAN or an authorized manufacturer of AMERICAN gaskets will not be accepted. Not permitted for use on fittings.

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER**

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
<u>SECTION A: PIPE</u> (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 Edmund Gray	N/A N/A
2. 2" Schedule 40 Std Weight, ASTM A53A	Wheatland Edmund Gray	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

DESERT WATER AGENCY
APPROVED MATERIALS LIST – WATER
DESCRIPTION
MANUF./SUPPLIER
NUMBER
SECTION B: VALVES
B-01: Gate

1. 2" Threaded End, Resilient Seat Epoxy Lined and Coated Ductile Iron Body & Bonnet per AWWA C-509* or 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-509* or 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-509* or 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

* **Only ductile iron valves are acceptable; grey cast iron valves are not permitted.**

DESERT WATER AGENCY
APPROVED MATERIALS LIST – WATER

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
<u>SECTION B: VALVES</u> (Continued)		
B-05: 1" Angle Stop: LW. CT. Comp. (Shall be ball valve type; shall be quarter turn check)	Jones	E-1963WSG
	Mueller **	B-24258-1N
	A.Y. McDonald	74602BQ
B-06: 1" Angle Stop: LW. FIPT Inlet (For use on Service Manifolds only; Shall be ball valve type)	Jones	E-1527
	Mueller	B-24265N
	A.Y. McDonald	74604B
B-07: 2" Angle Stop (For use on all 2" Services; shall be ball valve type) 1. LW Slotted FIPT Inlet	Jones (Ball Valve)	E-1974-W
	Mueller (Ball Valve)	B-24286N
	A.Y. McDonald	74604B
B-08: 1" CCV Assembly 1. Ball Valve, 1/4" turn	Ford	B11-444HB-34SNL
	Jones	E-1905
B-09: 1 - 1/2" CCV Assembly 1. Brass Gate Valve	Milwaukee	UP105
	Watts	LFGV-1-1/2"
B-10: 2" CCV Assembly 1. Brass Gate Valve	Milwaukee	UP105
	Watts	LFGV-2"
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 *	201C
	Apco *	143C
	Crispin *	UL SERIES
	ARI	D-040 (p-threaded)
		w/screen
B-12: 2" Air Valve	Val-Matic *	202C
	Apco *	145C
	Crispin *	UL-SERIES
	ARI	D-040(p-threaded)
		w/screen

* DWA Purchase Only, Consult Warehouse Prior to Purchase.

** Checkless 360° turn angle stop accepted for Mueller B-24258-1N Only.

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER****DESCRIPTION****MANUF./SUPPLIER****NUMBER****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.
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B-13: 4" Air Valve Class 150 Flanged only	Val-Matic *	204C
	Apco *	149C
	Crispin	UL Series
	ARI	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 **	N/A
	Febco	LF622FT
B-18: Flap Valve	Clow	F-3012
B-19: 1" Service Stop (DWA Use Only) 1. Lock Wing	A Y McDonald	76101W
	Mueller	B20200N
B-20: 2" Service Stop (DWA Use Only) 1. Lock Wing	A Y McDonald	76101W
	Mueller	B20200N

* DWA Purchase Only, Consult Warehouse Prior to Purchase.

** Consult Warehouse Prior to Purchase

DESCRIPTIONMANUF./SUPPLIERNUMBERSECTION 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.	N/A
	Texas Flange	N/A
	Weld Bend	N/A
	BolTex	N/A
	Hackney Ladish	N/A
2. 6 Hole F.H. Flange (Full Face)	AFGlobal Corp.	N/A
	Texas Flange	N/A
	Weld Bend	N/A
	BolTex	N/A
	Hackney Ladish	N/A

C-02: Reducing Flanges

1. Raised Face	AFGlobal Corp.	N/A
	Texas Flange	N/A
	Weld Blend	N/A
	BolTex	N/A
	Hackney Ladish	N/A

C-03: Companion Flanges

1. Full Face or Ductile Iron Raised Face	AFGlobal Corp.	N/A
	Texas Flange	N/A
	Weld Blend	N/A
	BolTex	N/A
	Hackney Ladish	N/A
2. 6 Hole F.H. Flange*	SIGMA	N/A
Ductile Iron Raised Face	Tyler Union	N/A
NPT thread, pressure rating must be greater than 225 psi	SIP	N/A

C-04: Blind Flanges

1. Raised Face	AFGlobal Corp.	N/A
	Texas Flange	N/A
	Weld Blend	N/A
	BolTex	N/A
	Hackney Ladish	N/A

* For temporary use, subject to the Agency's discretion and approval.

DESERT WATER AGENCY
APPROVED MATERIALS LIST – WATER
DESCRIPTION
MANUF./SUPPLIER
NUMBER
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	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	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

DESERT WATER AGENCY
APPROVED MATERIALS LIST – WATER
DESCRIPTION
MANUF./SUPPLIER
NUMBER
SECTION E: VAULTS / METER BOXES

NOTE: Concrete meter boxes will not be accepted.

E-01: Meter Box with Lid, (1" Service)

1. 10"x20"x12
Poly Base (12" Deep), 1 piece
poly cover with no hinge. Lid not
to be marked other than "DWA"

J & R *

Armorcast *

CDR/Hubbell *

Box: 10"x20"x12"

No. P-W4-0

Lid:1 Pc

Box: A 6000486

Cover: A 6000483-D

Drop-in for cover:
6000487

Box: 11"x20"x12"

No. PG1120BA12

Cover: PG1120WA00

**Traffic Rated Meter Box with Lid
(1" Service)**

2. Lid not to be marked other than
"DWA"

DFW Plastics, Inc.

Box: 15 1/8"x23 1/2"x12"

No. DFW486RF4-12-4

E-02: Meter Box with Lid, (2" Service)

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"

J&R *

Armorcast *

Box: 17"x28"x12"

No. P-W5 1/2

Lid:2 Pc

Box: A6001419

Lid: A6001420-D

Drop-in for cover:
A600481

**Traffic Rated Meter Box with Lid
(2" Service)**

2. Lid not to be marked other than
"DWA"

DFW Plastics, Inc.

Box: 16 5/16"x31 3/4"x12"

No. DFWPW6C4-12-4

**E-03: Vault (W/ SWF & C Armored, Plain)
(No Longer Used)**
E-04: Street Valve Box with Lid

1. Stamped "DWA" only

Jensen *

Eisel Enterprises *

Southbay Foundry *

J & R *

N/A

N/A

SBF-SBTT

V-4T

Mark V Heavy Triangle Box with Lid

2. 10" Mark V Tri Lid Stamped
"DWA" only

Bingham & Taylor

GRE10RTF

E-05: Valve Box Extensions

C-900, 8" PVC Pipe,
Pressure Class 235, DR-18

Various

N/A

E-06: Customer Control Valve Box

J & R (Polymer Only)

VI-R

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

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER****DESCRIPTION****MANUF./SUPPLIER****NUMBER****SECTION E: VAULTS / METER BOXES** (Continued)

E-07: Traffic Vault

Jensen
J&RW-3048N/A

E-08: Traffic Lid

Bolt-down traffic rated cover designed
for AASHTO H-20 wheel loadingJensen
J&RN/AN/A

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER****DESCRIPTION****MANUF./SUPPLIER****NUMBER****SECTION F: FIRE HYDRANTS****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

Jones

Jones

Clow *

Clow *

J-3700 (Bronze)J4040DR (Ductile Iron)2050 (bronze)850 Ductile Iron**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

Jones

Jones

Clow *

Clow *

3765 (Bronze)J4060DR (Ductile Iron)2060 (bronze)860 Ductile Iron*** DWA Purchase Only, Consult Warehouse Prior to Purchase.**

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER****DESCRIPTION****MANUF./SUPPLIER****NUMBER****SECTION G: BACKFLOW DEVICES**

G-01: Double Check		
1. 3/4" – 1" – 1 1/2" – 2" (above ground only)	Wilkins	<u>950XLT2</u>
G-02: Reduced Pressure		
1. 3/4" – 1" – 1 1/2" – 2" (above ground only)	Wilkins Febco *	<u>975XL2</u> <u>825YA</u>
G-03: Double Check, Detector Check N-Pattern (with resilient seated OS&Y gate valve)		
1. 4" – 6" – 8" – 10"	Febco	<u>LF876 "V" DCDA w/setter</u>
G-04: Inline Single Check		
1. 1" meters (for use on residential meters only)	Wilkins	<u>1¼" 40XL2</u>
G-05: Reduced Pressure Detector Assembly		
1. Inline	Febco	<u>LF866</u>
2. N-Pattern orientation	Febco	<u>LF886V</u>

* **DWA Purchase Only**

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER****DESCRIPTION****MANUF./SUPPLIER****NUMBER****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	202-B
	James Jones	J-979
	Mueller	BR-2-B
	Romac	202-B
	AY McDonald	3826
2. Double Strap, Iron (For DWA use only)	Smith-Blair	313

H-02: Adapters

1. RT x Flange (AC Pipe)	Romac	CGFA
	Smith-Blair	912
2. Push-on Rubber Gasketed x Flange (C153, DIP) (Tyton Bell Interchangeability)	Tyler Union	N/A
	U.S. Pipe	N/A
	Star	N/A

H-03: Concrete

(Portland Cement Mix Design) SUBMIT MIX DESIGN FOR APPROVAL	Various	N/A
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H-04: Gaskets (Ring Flange, Ductile Iron Pipe Restrained Joint)

NOTE: NSF Certification Required.

Ring Flange:		
1. 1/16" Non-Asbestos	Garlock	3760U
	Tripac	NAM 37C
2. 1/8" Flange Tyte (for Epoxy Coated Flanges)	U.S. Pipe	N/A
	Tripac	2000 (Rubber)
3. Ductile Iron Pipe Tyton Joint or Fastite Joint Restraint:	U.S. Pipe **	Field Lok 350
	McWane	Sure Stop 350
	American Ductile †	Amarillo Fast-Grip

**** TR Flex Locking Segments and TR Flex Gripper Rings Restraints accepted for pipe greater than 24".**

† Do not purchase or stock American Ductile pipe in Desert Water Agency inventory. It is acceptable for use in new developments or replacement pipeline projects. When installing joints manufactured by AMERICAN Cast Iron Pipe Company, the use of gaskets not manufactured by AMERICAN or an authorized manufacturer of AMERICAN gaskets will not be accepted. Not permitted for use on fittings.

DESERT WATER AGENCY
APPROVED MATERIALS LIST – WATER

<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"	Nucor	N/A
ASTM A307, Std. Hex or	Premier Fastener Co.	N/A
SAE J-429 Grade 2;	Birmingham Fastener Manufacture	N/A
Coating Required **	Tripac	N/A
	ITP	N/A
b) Breakaway 5/8" x 3",	Nucor	N/A
ASTM A307, Std. Hex or	Premier Fastener Co.	N/A
SAE J-429 Grade 2 Std. Hex;	Birmingham Fastener Manufacture	N/A
Coating Required **	Tripac	N/A
	ITP	N/A
2. F.H. Nuts	Nucor	N/A
ASTM A563, Grade 0	Premier Fastener Co.	N/A
Coating Required **	Birmingham Fastener Manuf.	N/A
	Tripac	N/A
	ITP	N/A
3. All Other Bolts	Nucor	N/A
5/8" to 1-1/2" Diameter U.S.	Premier Fastener Co.	N/A
Only ASTM F3125 or	Birmingham Fastener Manuf.	N/A
SAE J429, Grade 5 Heavy Hex	Tripac	N/A
	ITP	N/A
4. Nuts		
a) ASTM A563, Grade C Heavy Hex,	Birmingham Fastener Manuf.	N/A
or SAE J995 Grade 5 Std. Hex	Nucor	N/A
For use with SAE J429 or	Premier Fastener Co.	N/A
A325 Bolts	Tripac	N/A
	ITP	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>
<u>SECTION H: MISCELLANEOUS</u> (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>
<u>SECTION H: MISCELLANEOUS</u> (Continued)		
H-17: Air Valve Screen		
1. 1" dia.	Northtown Co.	FUJ-100
2. 2" dia.	Filters, Inc.	N/A
	Flow Ezy	M-16-10
	Northtown Co.	FUJ-200
3. 4" dia.	Filters, Inc	N/A
	Northtown Co.	FUJ-400
H-18: Bolt Anti-Seize Material		
	Flo-Pro Hi-Temp	C5-A
	Lawson Lubri-Temp	19920
	Markal/E-Z Break	08910
	Loctite	LB 8036
	SAF-T-LOK	SAF-T-EZE
		Marine Grade Anti-Seize
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	SST III SERIES
	Cascade	CST-EX
	Mueller	H304
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	N/A
2. Dual Purpose Cut-In Sleeve	Tyler Union	N/A
	Star Pipe	N/A
	U.S. Pipe	N/A
3. Mechanical Joint Restraint	Star Pipe	Star Grip 3000
	EBAA Iron	Series 1100 MEGALUG
	Romac	Romagrip

DESERT WATER AGENCY**APPROVED MATERIALS LIST – WATER**

<u>DESCRIPTION</u>	<u>MANUF./SUPPLIER</u>	<u>NUMBER</u>
<u>SECTION J: WATER QUALITY SAMPLE STATION</u>		
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 - 7/5/17****UPDATES:**

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

B - 11/22/17**UPDATES:**

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

C - 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.

D - 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 Delete Brooks W-200-18 Series
9. E-07 Delete 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”

E - 4/3/20**UPDATES:**

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

F - 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.”

DESERT WATER AGENCY

APPROVED MATERIALS LIST – WATER

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

G - 6/1/23

UPDATES:

1. A-03 Add to footnote, “or HDSS”
2. Section C Delete 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”

H - 5/14/25

UPDATES:

1. A-03 Add to footnote, “When installing joints manufactured by AMERICAN Cast Iron Pipe Company, the use of gaskets not manufactured by AMERICAN or an authorized manufacturer of AMERICAN gaskets will not be accepted. Not permitted for use on fittings.”
2. B-01 Add material description C509* and footnote “Only ductile iron valves are acceptable; grey cast iron valves are not permitted.”
3. C-03.2 Add 6 Hole F.H. Flange and material description “Ductile Iron Raised Face, NPT thread, pressure rating, must be greater than 225 psi.”
4. C-03.2 Add SIGMA, Tyler Union, and SIP.
5. G-05 Add new section G-05 for Reduced Pressure Detector Assembly
6. G-05.1 Add Inline, Febco, LF866
7. G-05.2 Add N-Pattern orientation, Febco, LF886V
8. H-04.1 Replace “Blue-Gard Style 3000” with “3760U”
9. H-04.1 Remove Klinger and Klingersil C 4401 green
10. H-04.1 Remove Replace “Blue-Gard Style 3000” with “NAM 37C”
11. H-04.3 Add to footnote, “When installing joints manufactured by AMERICAN Cast Iron Pipe Company, the use of gaskets not manufactured by AMERICAN or an authorized manufacturer of AMERICAN gaskets will not be accepted. Not permitted for use on fittings.”
12. H-20 Replace Mega-Lug with EBAA Iron and 1100 with Series 1100 MEGALUG.