

| UPDATE LOG FOR APPROVED MATERIALS LIST |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Date                                   | Item(s) Changed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Page #                                       |
| 6/1/14                                 | <p><b>APPROVED MATERIALS LIST – APPENDIX A</b></p> <p><b>I. Water/Recycled Water Facilities</b></p> <p>B. <u>Valves - 2" and Smaller</u></p> <p>4. <u>Angle Curb Valve (Flare x FNPT)</u><br/> <u>Muller 300 – B24275 or approved equal</u></p> <p>The following item has been <u>renumbered</u> due to the change above:</p> <p>5. <u>Ball Corp Stops MIPT x CU Flare - 1", 1½", &amp; 2"</u></p> <p>E. <u>Backflow Prevention Valves</u></p> <p>1. <u>Double <del>Detector</del> Check <del>Detector Assembly or Reduced Pressure Detector Assembly</del></u><br/> (USC/FM/UL-approved)</p> <p><del>2. <u>Approved Double Check</u></del><br/> <del>(USC Approved)</del></p> <p>2. <u>Backflow R.P. Device <del>Reduced Pressure Principle Backflow Prevention Assembly</del></u><br/> (Lead Free, USC/FM/UL-approved)</p> <p>The following items have been <u>renumbered</u> due to the changes above:</p> <p>3. <u>Silent Check Valve</u><br/> 4. <u>Single Swing Check Valve</u><br/> 5. <u>Double Swing Check ¾" – 1" Valve</u><br/> 6. <u>Swing Check Valve</u><br/> 7. <u>Hydraulic Check Valves</u><br/> 8. <u>Resilient Seated Check Valve</u></p> | <p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> |

Change Legend:

Added

Strike-out

# Appendix "A"

## APPROVED LIST OF MATERIALS

### I. Water/Recycled Water Facilities

#### A. Valves - Per Valve Application Table (herein)

##### 1. Resilient Seat/Wedge Gate Valve

###### 150 psi

American Flow Control - Series 2500

AVK Valve - Series 25

Clow Valve - Series F6102

M&H Valve - Series C515 or 7561

Mueller Valve - Series A 2360

###### 200 psi

Mueller Valve - Series A 2360

US Pipe - Metro Seal

AVK Valve - Series 25

Matco-Norca 300RWV (Recycled Use Only)

###### 250 psi

American Flow Control - Series 2500

AVK Valve - Series 45

Clow Valve

M&H Valve - Series C515 or 7058

##### 2. Butterfly Valves

Mueller/Pratt - CL150 - B-3211

CL250 - B-5227

DeZurik - BAW Series

K-FLO -

CL150 -

Model 504 (4"-24")

Model 47 (30" and larger)

Milliken - CL150 - Fig. 501

Pratt - HP 350

##### 3. Metal Seated Butterfly Valves

Adams Type MAK

Vanessa Model 30000QTSVE

DHC

##### 4. Plug Valves

DeZurik or Milliken (Series 602)  
Eccentric Non-Lubricated (PEC)

##### 5. Ball Valves

(6" and larger)

Under 300 psi - Rubber Seat

Over 300 psi - Metal Seat

#### B. Valves - 2" and Smaller

##### 1. Ball Valves 400/600 WOG (Small Diameter)

Apollo 70-100

Jones-J1900-(Air Valve Installations)

A.Y. McDonald 6100FH

##### 2. Ball Angle Meter Stops MIPT x CU Flare - 1", 1½", & 2"

Jones E-1964W/E-1973W

Ford BFA23-444W/666W/777W

Mueller B-24255/B-24277

A.Y. McDonald - 74602B

Cambridge - Series 210NL

##### 3. Curb Stop

Ford - ¾" - B11-333W-NL

1" - B11-444W-NL

1½" - B11-666W-NL

2" - B11-777W-NL

Jones - E1900W

A.Y. McDonald - 76101W

Mueller - B20283N

Cambridge - Series 212NL

##### 4. Angle Curb Valve (Flare x FNPT)

Muller 300 - B24275 or approved equal

5. Ball Corp Stops MIPT x CU Flare - 1", 1½", & 2"

Jones E-1929  
Ford FB700 Series  
Mueller B25025  
A.Y. McDonald – 74704B  
Cambridge – Series 301NL

C. Air Valve Units

1a. AV/AR Valves – Single Body

Apco 1" - 143C  
Apco 2" - 145C  
Apco 4" - 149C  
Crispin 1" - Model UL10  
Crispin 2" - Model UL20  
Crispin 4" - Model UL41  
Valmatic 1" - Model 201C  
Valmatic 2" - Model 202C  
Valmatic 4" - Model 204C

1b. AV/AR Valves – Dual Body  
(Pump Station, Well, and Reservoir Manifolds)

Apco 1800 Series  
Valmatic 1" – Model 101S  
Valmatic 2" – Model 102S  
Valmatic 4" – Model 104S

D. Fire Hydrants

1. Residential (standard) 2-Port

Jones 6" - 3700, 3710, 4040  
Clow 6" – 2050, 850, 950  
AVK 6" – 2462, 2470

- a. High Pressure Fire Hydrants  
AVK – Series 2472 (with integral 8-hole break-off spool)

2. Commercial (super) 3-Port

Jones 6" – 3765, 4060  
Clow 6" – 2060, 860, 960  
AVK 6" – 2464, 2490

E. Backflow Prevention Valves

1. Double Check Detector Assembly or Reduced Pressure Detector Assembly

(USC/FM/UL-approved)

2. Reduced Pressure Principle Backflow Prevention Assembly

(Lead Free, USC/FM/UL-approved)

3. Silent Check Valve

Wafer Style:

Apco - Series 300

Globe Style:

Apco - Series 600

Cla-Val – Series 581

Crispin - GC

4. Single Swing Check Valve  
(¾" - 2")

(Buna or Teflon Seat)

Milwaukee

Hammonds

5. Double Swing Check ¾"- 1" Valve

Watts No. 7 Dual Check Valve

FEBCO No. 810 Dual Check Valve

6. Swing Check Valve

(With Weight/Lever)

Clow/M&H - 159-02

Mueller - A2600-06-01

APCO/DeZurik Series 250

APCO/DeZurik Series 6000

American - Darling Model 52-SC

7. Hydraulic Check Valves

Apco

Dresser/M&H

8. Resilient Seated Check Valve

American Flow Control – Series

2100

F. Control Valves

1. Pressure Relief Valve

Cla-Val  
(Model 50G-01 BKC D/S – Max.  
8’’) )

2. Pressure Reducing Valve

Cla-Val  
(Model 90G-01 BYKOC D/S – 8’  
and smaller)

(Model 690G-01 BYKOC D/S –  
10’ and larger)

3. Altitude Valve  
(5’ – 40’ Range)

Cla-Val  
(Model 210G-01 BYKC D/S – 16’  
and smaller)  
(Model 610G-01 BYKC D/S – 20’  
and 24’)

4. Pump Control Valve  
(Well Pumping Plant)

Pump-To-Waste  
Cla-Val  
(Model 61G-02 BYKC D/S)

(In-Line Combination Back  
Pressure, Solenoid S/O & Check  
Valve)

Cla-Val  
(Model 58G-01 BDKC)

5. Pump Control Valve  
(Booster Pumps) (In-Line  
Combination Pump Control  
Valve/Check Valve)

Cla-Val  
(Model 60G-11 BCKC D/S or  
Model 60G-73 BCKC D/S – 8’ and  
smaller)

(Model 60G-31 BYKC D/S – 10’  
and larger)

6. Surge Anticipator

Cla-Val Model 52G-03 BKC D/S

7. Basic Valve

Cla-Val (Model 100-01, Clayton  
Hytrol Valve)

G. Tapping Sleeves and Service Saddles

1a. Tapping Sleeve  
(Stainless Steel)

Ford - Series FAST and FTSS  
Power Seal - Series 3490AS  
Romac - Series SST  
JCM – Series 432

1b. Tapping Sleeve  
(Ductile Iron with Fusion Epoxy  
Coating)

Power Seal  
Romac

2. Service Saddle

AC Pipe - Double Strap  
S.S. or Bronze

Jones Series 979  
Ford - Model 202BS  
Romac - Style 202

PVC Pipe C-900 – Double SS Strap  
Or Wide Single SS Strap

A.Y. McDonald - C900 Saddle –  
3846 and 3856  
Ford - Model 202BS  
Jones - Series 969  
Romac - Series 202BS or  
202NS (high pressure)  
Mueller - BR2S or  
DR2S (high pressure)

PVC Pipe C-905

Power Seal - Series 341AS  
Romac - Series 202N  
(with epoxy coating)

## H. Joint Restrainers

### 1. PVC Pipe Mechanical Joint Restraints

#### Valve/Fitting Application

- a. EBBA - Iron (Megalug)  
Series 2000 Pipe Sizes 4" - 30"
- b. Ford (Uniflange)
  - (1) Series 900 - Adaptor Flange - Pipe Size up to 12"
  - (2) Series 1300 - Pipe Size up to 24"
- c. Sigma Joint Restrainers
- d. Tyler Union – Tuf Grip (Red)
- e. Romac
  - (1) “Grip Ring” Style No. 612
  - (2) “Roma Grip”
  - (3) RFCA for PVC Pipe
- f. One Bolt
- g. JCM – Series 610
- h. Star Pipe Products – Series 1000

#### Bell and Spigot Application

- a. EBBA - Iron (Megalug)
  - (1) Series 1500 - Pipe Size up to 12"
  - (2) Series 2800 - Pipe Size greater than 12"
- b. Ford (Uniflange)  
Series 1350 - Pipe Size up to 24"
- c. Sigma Joint Restrainers
- d. Romac
  - (1) “Grip Ring” Style No. 611
  - (2) “Roma-Grip”
- e. JCM – Series 620
- f. Star Pipe Products – Series 1100

## I. Ductile Iron Fittings

Clow  
Long Beach Iron  
Tyler Pipe Inc.  
Sigma  
South Bay Foundry  
Star  
Union Foundry Company  
SIP Industries

## J. Plastic/Concrete Boxes/Vaults/Vault Lids

### 1. Plastic Meter Boxes & Lids

#### ¾" - 1" Services:

- Carson 1220-12
- Applied Engineering  
1320-1G2G

#### 1½" - 2" Services:

- Carson 1220-12
- Applied Engineering  
1320-1G2G

#### 1" AV/AR:

- Carson 1220-12
- Applied Engineering  
1320-1G2G

#### 2" AV/AR

- Carson 1730-18
- Applied Engineering  
1730-18P2P

### 2. Round Plastic Valve Boxes (Test Station Boxes)

- a. Applied Engineering Model 910
- b. Carson Model 910

### 3. Concrete Boxes/Vaults (Per Standard Drawings and Specs)

Associated  
Best Concrete Products  
Brooks  
Christy  
J&R Products  
San Diego Pre-Cast  
B & W Pre-Cast

4. Spring-Loaded Aluminum Lids

Puritan Manufacturing  
USF Fabrication, Inc.  
Bilco Co.  
Lasco Lids

K. PVC Pipe C900 and C905

Vinyl Tech  
Diamond  
North American Pipe

L. Pumps

Goulds  
Peerless  
Byron Jackson  
Fairbanks-Morse

M. Casing Spacers and Insulators

Advance Products & Systems

N. Repair Couplings

Romac 501, XR-501, and Macro  
Total Piping Solutions – Hymax  
Coupling

O. Grooved Couplings

Victaulic (Style 77)  
Gruvlok (Fig. 7001)

**II. Sewer Facilities**

A. Sewer Manhole Liners

SRECO/Feable Systems

B. Cast-Iron Manhole Covers

Alhambra Foundry Co.  
South Bay Foundry  
Certain Teed

C. Stepping Irons

NEXTEP

D. Fiberglass Manholes

Containment Solutions

**III. Electrical**

A. Motors

General Electric Corporation  
Emerson Electric Co.  
U.S. Electrical Motors Division  
Baldor

B. Conductive Waterproof Compound

Zinc Clads Primer Coating No. B69A45  
HTL-4 by Crouse-Hinds  
Kopr shield by Thomas & Betts  
Burndy

C. Flex Conduits (Electrical)

American Brass  
Anaconda  
Electroflex

D. Wire and Cable (Electrical)

Anaconda  
General Cable  
General Electric  
Okonite  
Triangle

E. Compression Connectors

Burndy “HI lug”  
Thomas & Betts “Shure Stake”

F. Pre-Insulated Springs Connectors

Ideal Wing Nuts  
3M

G. Pre-Insulated Fork Tongue Lugs

Thomas & Betts RC Series  
Burndy

H. High Temperature Vinyl Tape

3M Scotch (33+)  
3M Scotch (23)

I. Insulated Bushings

Thomas & Betts  
Steel City  
Appleton  
Burndy

J. Insulated Ground Bushings

Thomas & Betts  
Steel City  
Gedney  
Burndy

K. Erickson Coupling

Appleton Type EC, 3-Piece Coupling  
Thomas & Betts  
Steel City  
Gedney  
Hubbell

L. Liquid-Tight Fittings

Appleton Type ST  
Crouse-Hinds  
Thomas & Betts  
Gedney  
Hubbell

M. Hubs

Appleton Type HUB  
Thomas & Betts  
Myers Scru-Tite  
Hubbell

N. Pressure Switches

Mercoid  
(DAW 33-153-SPDT)  
Ashcroft

O. Line Ammeter

G.E. AB-16  
Compton  
Yokogawa

P. Ammeter Switch

G.E. SB-1  
Compton  
Yokogawa

Q. Thermostats

Chromalox Type WR-80

R. Space Heaters

Chromalox No. EH-1221

S. Switches and Push Buttons

Cutler Hammer  
G.E. Type CR294OU,  
Square D, Class 9001, Type K

T. Indicating Lights (Lamps)

General Electric  
Sylvania  
Cutler Hammer

U. AC Relays

Cutler Hammer  
Westinghouse Type ARD,  
Square D, Class 8501, Type L  
IDEC

V. DC Relays

Cutler Hammer  
Westinghouse Type BFD,  
Square D, Class 8501, Type H

W. Reset Timers

Eagle Signal Division  
HP-5 Series  
IDEC

X. Phase Failure Relay

Motosaver 777

Y. Induction Relay

C.F. Warrick, Series 1 Control

Z. Elapsed Time Meter

Cutler Hammer  
Cramer

AA. Customer Metering System  
Westinghouse Type IQ Data Plus II

BB. Lighting Arrestors  
Type TII 325-IM

#### IV. Paint

A. Manufacturers: One of the following or equal:

1. Devoe: Devoe Coatings, Louisville, KY
2. Dunn Edwards: Dunn Edwards Paints, Los Angeles, CA
3. Sherwin-Williams Co., Cleveland, OH
4. Tnemec: Tnemec Co., Kansas City, MO.
5. FSC Coating

B. Pretreatment, Primers, Primer-Sealers, and Wood Stain

1. Aluminum Primer: One of the following or equal:
  - a. S/W: DTM Wash Primer B71Y1 for alkyd systems; none required for latex systems
2. Concrete Masonry Filler/Primer: One of the following or equal:
  - a. S/W: B42W46, Block Filler Interior/Exterior
  - b. Tnemec: 130-6601, Envirofill
3. Concrete, Porous, Filler/Primer: One of the following or equal:
  - a. S/W: B42W46, Block Filler Interior/Exterior
  - b. Tnemec: 130-6601, Envirofill

4. Concrete, Smooth, Filler/Primer: One of the following or equal:
  - a. S/W: B61W2, Epoxy Ester Masonry Filler/Sealer
  - b. Tnemec: W55 WB, Tneme-Crete

5. Ferrous Metal Primer: One of the following or equal:
  - a. S/W: B50WZ1, Kem Kromik Universal Metal Primer
  - b. Tnemec: Series 135 Chembuild

6. Galvanized Metal Surface Pretreatment Materials: One of the following or equal:
  - a. Amercoat: 59.
  - b. S/W: P60G2, Wash Primer
  - c. Tnemec: 32-1210, Tneme-Grip

7. Galvanized Metal Surface Primer: One of the following or equal:
  - a. S/W: Galvite HS B50WZ30 for alkyd systems; none for latex systems
  - b. Tnemec: Series 135 Chembuild

8. Plaster Sealer: One of the following or equal:
  - a. S/W: PreRite 200 Primer B28W200
  - b. Tnemec: 51-792, PVA Sealer

9. Plywood, Latex Finishes: One of the following or equal:
  - a. S/W: B42W41, A100 Latex Primer
  - b. Tnemec: Series 151, Elasto-Grip

10. Wood Primer for Opaque Finish Paint, Interior Exposure: One of the following or equal:
  - a. S/W: B49WZ2, Wall and Wood Primer



11. Wood Primer for Opaque Finish Paint, Exterior Exposure: One of the following or equal:
  - a. S/W: Y24W20, A-100 Primer
12. Wood Stain: One of the following or equal:
  - a. S/W: Wood Classics Interior, Oil Stain

C. Paints, Interior Exposure

1. Latex, Flat: One of the following or equal:
  - a. S/W: Promar 200, Latex Flat Wall Paint
  - b. Tnemec: Series 6, Tneme Cryl
2. Latex, Semi-Gloss: One of the following or equal:
  - a. S/W: Promar 200, Latex Semi-Gloss Wall Paint
  - b. Tnemec: Series 7, Tneme Cryl
3. Alkyd, Gloss: One of the following or equal:
  - a. S/W: B54Z, Industrial Enamel, VOC Complying
4. Acrylic, Semi-Gloss: One of the following or equal:
  - a. S/W: Min-Wax Helmsman Varnish
5. Urethane Varnish, Clear: One of the following or equal:
  - a. Flecto: Varathane Exterior Liquid Plastic
  - b. S/W: A67V4, Exterior Varnish
6. Oil: One of the following or equal:
  - a. Watco Danish Oil

D. Paints, Exterior Exposure

1. Latex, Flat: One of the following or equal:
  - a. S/W: A-100, Flat Exterior Latex
  - b. Tnemec: W55 WB, Tneme-Crete
2. Alkyd, Gloss: One of the following or equal:
  - a. S/W: B54Z, Industrial Enamel, VOC Complying
3. Acrylic Latex, Semi-Gloss: One of the following or equal:
  - a. S/W: A100, Latex House and Trim Paint
4. Urethane Varnish, Clear: One of the following or equal:
  - a. Flecto: Varathane Exterior Liquid Plastic
  - b. S/W: A67V4, Exterior Varnish

E. Colors

1. Potable Water – Blue, Tan, or Safety Yellow
2. Recycled Water – Magenta
3. Sewer/Wastewater - Green