

UPDATE LOG FOR APPROVED MATERIALS LIST		
Date	Item(s) Changed	Page #
7/1/17	<p>APPROVED MATERIALS LIST – APPENDIX A</p> <p>IV. Paint</p> <p>E. <u>Colors</u></p> <ol style="list-style-type: none"> 1. Potable Water – Blue, Tan (Frazee “Travatan,” Color No. 213), or Safety Yellow 2. Recycled Water – Magenta 3. Sewer/Wastewater - Green 	8

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 7561, 7571, 7572

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)

M&H Valve - Series 7561, 7571, 7572

250 psi

American Flow Control - Series 2500

AVK Valve - Series 45

Clow Valve

M&H Valve - Series 7561, 7571, 7572

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 (Frazee “Travatan,” Color No. 213), or Safety Yellow
2. Recycled Water – Magenta
3. Sewer/Wastewater - Green