



# COACHELLA VALLEY WATER DISTRICT

## Approved Materials List

### DOMESTIC WATER

#### A. COPPER TUBING

- a. 1-inch copper tubing, K-soft

Approved Manufacturers:

- 1) Cerro
- 2) Mueller
- 3) Halstead
- 4) Cambridge Lee

- b. Factory Coated Copper Tubing

Approved Manufacturer:

- 1) Kamco Aqua Shield

- c. 1½-inch or 2-inch Copper Tubing, Rigid Pipe (Type “K” Soft in 20’ lengths)

Approved Manufacturers:

- 1) Cerro
- 2) Mueller
- 3) Halstead
- 4) Cambridge Lee

#### B. SERVICE LINE FITTINGS

- a. Corporation Stops

1-, 1½- and 2-inch; IPTx110 Compression

Approved Manufacturers:

- 1) Mueller #B-25028
- 2) AY McDonald #4704BQ
- 3) Jones #J1935SG
- 4) Cambridge Brass #301NL series
- 5) Ford #FB1100-Q-NL



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## Approved Materials List

### b. Angle Meter Stops

1-inch; 110 Compression x Swivel

Approved Manufacturers:

- 1) Mueller #B-24258-1 (no lip on swivel)
- 2) Ford #BA43-444WQ
- 3) Jones #J1963WSG
- 4) AY McDonald #4602BQ
- 5) Cambridge #210NL-H4T4

1½-inch; 110 Compression x Flange

Approved Manufacturers:

- 1) Mueller #B-24276
- 2) Ford #BFA43-666WQ
- 3) Jones #J1975WSG
- 4) AY McDonald #4602BQ
- 5) Cambridge #210NL-H6MF6

2-inch; 110 Compression x Flange

Approved Manufacturers:

- 1) Mueller #B-24276
- 2) Ford #BFA43-777WQ
- 3) Jones #J1975WSG
- 4) AY McDonald #4602BQ
- 5) Cambridge #210NL-H7MF7

### c. Ball Valves, Brass, for Meters Only

1-inch, 1½-inch and 2-inch (all to be lever handle, with no lip on swivel)

Approved Manufacturers:

- 1) Mueller B-24351-1
- 2) AY McDonald #6101 MWHB3
- 3) Cambridge # 212NL Series
- 4) Ford #13-444W-NL w/HB24S (1"), #13-666W-NL w/HB67S (1 ½"), #13-777W-NL w/HB67S (2")



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## Approved Materials List

### d. Service Saddles

For 12-inch pipe and smaller, copper alloy body and double strapped bronze

Approved Manufacturers:

- 1) Jones J-979
- 2) Mueller BR2-B
- 3) Ford 202B
- 4) Smith-Blair 232
- 5) Cambridge Brass 810

For 18-inch pipe and larger, ductile iron service saddle epoxy coated or copper alloy body with triple stainless steel straps or extra wide single strapped stainless steel.

Approved Manufacturers:

- 1) Muller DR2S
- 2) Smith-Blair 366
- 3) Romac 202NS
- 4) Ford FC202
- 5) Power Seal

### e. Straight Couplings

Approved Manufacturers:

1-inch; 110 Compression

- 1) Mueller H-15403
- 2) Jones J609SG
- 3) Cambridge 119NL-H4H4

1½-inch; 110 Compression

- 1) Mueller H-15403
- 2) Jones J2609SG

Cambridge #119NL-H6H6 2-inch; 110 Compression

Approved Manufacturers:

- 1) Mueller #H-15403
- 2) Jones #J2609SG



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- 3) Cambridge #119NL-H7H7

### **C. METER BOXES**

- a. Meter Boxes for 1-inch, 1 1/2-inch, and 2-inch Service Lines (Non-traffic Areas)

Approved Manufacturers:

- 1) DFW Plastics Inc.
  - a) Lid: DFW1640C-4 914P "CVWD" LID
  - b. Box: DFW1640C-12-BODY

- b) Meter Boxes for 1-inch, 1½-inch and 2-inch Lines (Traffic Areas)

Approved Manufacturers:

- 1) DFW Plastics Inc.
  - a) Lid: DFW1640C-4 "CVWD" LID
  - b) Box: DFW1640C-12-BODY

### **D. COMMERCIAL METER – WELLS & BOOSTER STATIONS**

Approved Manufacturers:

- 1) Krohne Enviromag Electromagnetic Flow Meter OPTIFLUX 2000

### **E. CONSTRUCTION METER**

Approved Manufacturers:

- 1) Sensus #125
- 2) Performance Meter
- 3) Badger

### **F. FIRE HYDRANTS**

- a. Dry Barrel

Approved Manufacturers:

- 1) Muller A423
- 2) Mc Wane - Kennedy K-81A & Clow F-2545
- 3) American Darling (AFC) #B-84-B

- b. Wet Barrel-Bronze Fire Hydrants\*

Approved Manufacturers:

- 1) James Jones #J-3765



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- 2) Mc Wane/Clow #2060
- 3) AVK 2464
- c. Wet Barrel-Ductile Iron Fire Hydrants\*  
Approved Manufacturers:
  - 1) James Jones #J4060
  - 2) Mc Wane/Clow #860
  - 3) AVK 24/90
- d. Wet Barrel - Check Valve Fire Hydrants (Hydrant caps shall be bronze caps)  
Approved Manufacturers:
  - 1) Mc Wane/Clow #LB400
  - 2) James Jones J-5000

### **G. AIR AND VACUUM RELIEF VALVES AND FITTINGS**

- a. 1-inch Air Relief Valves  
Approved Manufacturers:
  - 1) Vent-O-Mat Model 025RBX2521
  - 2) ARI Model D-040-1" Threaded
  - 3) ARI Model D-020 (Pressures below 20 psi)
- b. 2-inch Air Relief Valves  
Approved Manufacturers:
  - 1) Vent-O-Mat Model 050RBX2521
  - 2) ARI Model D-40-2" Threaded
- c. Copper Tubing Elbows 1-inch or 2-inch Compression x FIPT  
Approved Manufacturers:
  - 1) Mueller IP H15533
  - 2) Jones J2621SG
  - 3) Ford L14-44-Q
  - 4) AY McDonald 4779Q
  - 5) Cambridge 105NL Series



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## Approved Materials List

- d. Copper Tubing Elbows 1-inch or 2-inch Compression x Compression  
Approved Manufacturers:
  - 1) Mueller H-15526
  - 2) Jones J26115G
  - 3) Ford L44-77-Q
  - 4) AY McDonald 4761Q
  - 5) Cambridge 105NL Series
  
- e. Copper Tubing Ball Valve 1-inch or 2-inch  
Approved Manufacturers:
  - 1) Mueller B25209
  - 2) Jones J1949S6
  - 3) Cambridge Brass 212NL – F4T4H (1 inch); 212NL –F7MF7H (2 inch)
  
- f. Copper Tubing –Corporation Stop; 1-inch or 2-inch IPT x 110 Compression  
Approved Manufacturers:
  - 1) Muller B-25028
  - 2) Jones J1935SG
  - 3) AY McDonald 46704BQ
  - 4) Cambridge Brass 301NL series
  
- g. Air/Vac Covers  
Approved Manufacturers:
  - 1) Armorcast
    - P6002001B-SND; 24-inch round x 24-inch deep
    - P6002002B-SND; 20-inch round x 24-inch deep
    - P6002003B-SND; 12-inch round x 24-inch deep
  
  - 2) Pipeline Products Advantage Series (Added by Application #44)
    - VCAS-1424-SM SANDSTONE
    - VCAS-1830-SM SANDSTONE
    - VCAS-2436-SM SANDSTONE



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## Approved Materials List

### h. Threaded Red Brass Fittings

- 1) Per ASTM B43 and containing a maximum of 0.25% lead

## H. PIPE

### a. Ductile Iron Pipe

Approved Manufacturers:

- 1) U.S. Pipe
- 2) Mc Wane/Pacific States
- 3) American CI

### b. Ductile Iron Zinc Coated Pipe

Approved Manufacturers:

- 1) U.S. Pipe
- 2) Mc Wane/Pacific States
- 3) American CI

### c. PVC – C909 CL 235 psi (8 – 12 inch diameter)

PVC – C909 CL 165 psi (16 inch diameter)

- 1) JM Eagle

### d. PVC – C905 DR25 CL 165 psi (18 – 30 inch diameter)

Approved Manufacturers:

- 1) JM Eagle
- 2) North American Pipe
- 3) Diamond Plastics Corporation

## I. PIPE FITTINGS

### a. Flanged to Mechanical Joint Pipe adaptors (Ductile Iron)

Approved Manufacturers:

- 1) U.S. Pipe
- 2) Tyler Union
- 3) Star
- 4) Sigma
- 5) Pipeline Components, Inc. (PCI)



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## Approved Materials List

- 6) SIP Industries (ARC Zinc Coating Optional)
- b. Pipe Restraints - Tyton Joint Restraining Gaskets (18 inches or smaller)  
Approved Manufacturers:
  - 1) U.S. Pipe - Field Lok Gaskets
  - 2) Pacific States - Sure Stop 350
  - 3) Romac – Piranha Restraint Gasket
  - 4) Tyler Union - Sure Stop 350
- c. Pipe Restraints - MJ Restraint Joints with wedge-action cleats  
Approved Manufacturers:
  - 1) Ebba Iron - Megalug
  - 2) Ford - Uniflange
  - 3) Star – Stargrip and 3000 series for DIP and 4000 series for PVC
  - 4) Romac - Romagrip
  - 5) Sigma – Onelok
  - 6) Tyler Union – TUF Grip Series 1500
  - 7) SIP Industries - EZ Grip
- d. Pipe Restraints - Manufactured Self Restraining Joints  
Approved Manufacturers:
  - 1) U.S. Pipe - TR Flex
  - 2) Mc Wane/Pacific States – Thrust Lock
  - 3) Romac – Alpha Restraint Coupling
  - 4) Tyler Union - TUF Grip Series 200
  - 5) And the equivalent of American
- e. Flexible Expansion Joints  
Approved Manufacturers:
  - 1) EBBA Flex Tend #408F21 (8-inch only)
  - 2) Star #SFPJ5008
  - 3) Romac – Flexijoint
- f. Repair Coupling





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## Approved Materials List

Approved Manufacturers:

- 1) PowerSeal – Power Clamp, 3506 Powermax Cast Coupling, and 3490 Power Sleeve
- 2) Smith Blair – Top bolt repair coupling
- 3) Romac – Macro Coupling, 501 and XR501 Coupling
- 4) Hymax 2 or Hymax Grip (restraint)

g. Flange Gaskets

Approved Manufacturers:

- 1) 1/16-inch Thick Laminated Nonasbestos Fiber, Cranite

h. Victaulic couplings and fitting for grooved end pipe

Approved Manufacturers:

- 1) Victaulic QuickVic Couplings 107N and 117N
- 2) AGS W07 and W77 Couplings

### **J. VALVES**

a. Gate Valves (Ductile Iron Body with Resilient Seal)

Approved Manufacturers:

- 1) American Flow 2500-1
- 2) Mueller 2362 Series
- 3) Clow F61
- 4) American AVK Series 45 & 55

b. Butterfly Valves (Ductile Iron Body)

Approved Manufacturers:

- 1) Mueller Linesal III Product line
- 2) Dezurik

c. Single Check Detector Valves

Approved Manufacturers:

d. Reduced Pressure Principle Valves

Approved Manufacturers:

- 1) Apollo Valves 1" RPLF 4A



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## Approved Materials List

- 2) Apollo Valves 2" RPLF 4A
- 3) Apollo Valves RPDA 4ALF
- 4) Wilkins Backflow -1" 975XL-2
- 5) Wilkins Backflow – 2" 975XL-2



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## Approved Materials List

### e. Double Check Valves

Approved Manufacturers:

- 1) Wilkins Backflow -1" 950XL-2
- 2) Wilkins Backflow -2" 950XL-2
- 3) Apollo Valves - 1" DCLF 4A
- 4) Apollo Valves - 2" DCLF 4A
- 5) Apollo Valves DCDA 4ALF - 4"-12"
- 6) Apollo Valves DCDA 4nALF - 4"-12"
- 7) Febco – LF876V 4"-10"

### f. Valve Locking Devices (for Gate Valves)

Approved Manufacturers:

- 1) Protech (for gate valves)

A1200

A2400

A3600

A4800

- 2) Protech (for butterfly valves)

B1200

B2400

B3600

B4800

### g. Valve Wells Frame & Lid

Approved Manufacturers:

- 1) Bingham and Taylor Mark V –

a. Base - GRE10RTF

b. Triangular Lid Water - CUL10LTCVWD-W

c. Triangular Lid Reclaimed Water - CUL10LTCVWD-RW

d. Triangular Lid Locking – I10LTIRWD-RW



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## Approved Materials List

### h. Valve Well Riser

- 1) 8-inch PVC C-900 CL-150

### i. Protective Coatings

Approved Manufacturers:

- 1) Polyethylene Wrap – US Pipe V-Bio Wrap
- 2) NO-OX-ID manufactured by SanChem, Inc.
- 3) Bituminous Tar Mastic – manufactured by Christy's HD-50
- 4) Anti-Corrosion Wax Tape

## **K. WATER SUPPLY WELLS**

Approved Manufacturers or approved equal:

- 1) Well Screen
  - a. Roscoe Moss Company
- 2) Filter Gravel
  - a. Colorado Silica Sand Inc.
  - b. Tacna Sand and Gravel LLC
- 3) Motor Assembly
  - a. General Electric, U.S. Motors
  - b. Newman

## **L. CONCRETE VAULTS**

### 1) 200 Series Vaults:

Approved Manufacturers:

- e. Jensens #K3048-FH45-27T (BR200-CVWD2)
- f. J&R Concrete #3500-IW

### 2) 400 Series Vaults:

Approved Manufacturers:

- a. Jensens #K3660-FH45-27T (BR400-CVW2)
- b. J&R Concrete #2640-IW

### 3) 500 Series Vaults:



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## Approved Materials List

Approved Manufacturers:

- a. Jensens #K466-FH45-27T (BR500-CVW2)
  - b. J&R Concrete #4660-IW
- 4) Confined Space Mounts

Approved Manufacturers:

- a. Tuff Built Davit Mount (30033 and 30053)

### **M. PIPE SPACERS**

Approved Manufacturers:

- 1) Cascade CCS series
- 2) CCI Pipeline Systems
- 3) BWM
- 4) Calpico Inc.

### **N. UTILITY MARKER POSTS**

Approved Manufacturers:

- 1) Flexstake, Inc. (No. EZWC206W – white with reflective strip)

### **O. TRACER WIRE**

Approved Manufacturers:

- 1) Copperhead
- 2) NEPTCO



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## Approved Materials List

### **SANITATION (WASTEWATER)**

#### **A. AIR-VAC VALVES**

Approved Manufacturers

- 1) Vent-O-Mat
- 2) ARI – D-025 Model D-025TP02LP

#### **B. WET WELL COATINGS**

Approved Manufacturers:

- 1) Sancon Epoxy 100
- 2) Kopper's Bitumastic 300-M
- 3) Engard 463
- 4) Zebron

#### **C. MID-RANGE PIPE LOCATORS**

Approved Manufacturers

- 1) 3M Electrical Products Division
- 2) Scotchmark Market Locator (EMS) #1258

#### **D. UTILITY MARKER POSTS**

Approved Manufacturers

- 1) Flexstake, Inc. (No. EZWC206W – white with reflective strip)

#### **E. PAINTING AND COATING**

Approved Protective Coating Manufacturers or approved equal:

- 1) PPG Protective and Marine Coatings
- 2) Carboline Company
- 3) Tnemec Company

#### **F. SANITARY SEWER SYSTEM TESTING**

Approved Manufacturers or approved equal:

- 1) Manhole Vacuum Testing Plugs and Test Heads
  - a. Lansas
- 2) Deflection Test Mandrel
  - a. Hurco



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## Approved Materials List

### **G. CURED-IN-PLACE PIPE**

Approved Liner Manufacturers or approved equal:

- 1) Inliner Technologies, LLC.
- 2) Insituform as manufactured by Insituform of North America, Inc.
- 3) Sancon Engineering CIPP.

### **H. MANHOLES AND PRECAST VAULTS**

Approved Manufacturers or approved equal:

- 1) Sealing Compound
  - a. Kent-Seal No. 2 – Hamilton Kent Manufacturing Company
  - b. Ram-Nek – Henry Sealants
- 2) Joint Wrap
  - a. Rub'R-Nek – Henry Company
  - b. Seal Wrap – Sealing Systems, Inc.
  - c. StopAQ EZ Wrap – Armcorr, Inc.
- 3) Precast Concrete Vault
  - a. Brooks Series 500 Quickset
- 4) Confined Space Mounts
  - a. Tuff Built Davit Mount (30033 and 30053)
- 5) Manhole Frames and Covers
  - a. South Bay Foundry #1253/A1254 “CVWD SEWER”
  - b. Alhambra Foundry Co. (48-Inch Diameter Manholes)
    - i. #A-1254 (Standard), A-1254B (Sealed)
  - c. Alhambra Foundry Co. (60 and 72-Inch Diameter Manholes)
    - i. #A-1325 (Standard), A-1251 B-6 (Sealed)
  - d. Norfolk Casting #NC 253 CVWD ASTM A48
  - e. CL 35B
- 6) Manhole Linings
  - a. PVC Lining
    - i. Amer-Plate “T-Lock” – Ameron



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## Approved Materials List

- b. Epoxy Lining
  - i. Raven Lining System 405FS
  - ii. Quadex Structure Guard
- c. Polyurethane Lining
  - i. Sancon 100
  - ii. Zebron
- d. Precast Vault Polyurethane Lining
  - i. Sancon 100
  - ii. Zebron
- e. Precast Concrete Vault Interior Coating
  - i. Sancon 100
- f. Structural Rehabilitation
  - i. Armorock polymer concrete manhole or insert

### **I. CONNECTION TO SANITARY SEWER SYSTEM**

Approved Manufacturers or approved equal:

#### Connection to Existing VCP Main

- 1) New VCP Main
  - a. Mission Flex-seal adjustable repair couplings
  - b. Fernco Strong Back RC 1001
- 2) New PVC Main
  - a. Mission Flex-seal adjustable repair couplings
  - b. Fernco Strong Back RC 1002
- 3) New FRP Main
  - a. Adapter coupling (plain ends) provided by FRP pipe manufacturer

#### Existing Sewer Manhole

- 4) New PVC Main
  - a. Water stop grouting ring
    - i. A-Lok Water Stop
    - ii. Kor-N-Seal Water Stop Grout Ring





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## Approved Materials List

- b. Flexible style water stop connectors
  - i. Kor-N-Seal 106-406 Series
- 5) New FRP Main
  - a. Connection to existing manholes
    - i. Kor-N-Seal 106-406 Series
    - ii. Flexible Connector
  - b. New PVC Main
    - i. A-Lock Z-Lock
    - ii. Flexible Style Water Stop Connectors

### **J. DUCTILE IRON WATER PIPE AND FITTINGS**

Approved Manufacturers or approved equal:

- 1) Service Saddle
  - a. Mueller
  - b. Jones

### **K. PVC PIPELINE SPECIFICATIONS**

Approved Manufacturers or approved equal:

- 1) PVC Restrained Joints
  - a. Uni-Flange Series 1350 and 1300
  - b. Star Pipe Products Series 1100
  - c. EBBA Iron Megalug

### **L. FLEXIBLE PIPE COUPLINGS**

Approved Manufacturers or approved equal:

- 1) Joints Calder Repair
- 2) Fernco Adapter

### **M. ECCENTRIC PLUG VALVES**

- 1) DeZurik Series 100 PEC
- 2) Henry/Pratt Company Model 601
- 3) Crispin K-flow
  - a. 800 Series for 2 ½" – 12"



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## Approved Materials List

- b. 900 series for 14" – 18"
- 4) Plug valve Exterior Coating
  - a. Scotchkote 206N, Valspar Pipe Clad 1500
  - b. AkzoNobel Resicoat Single Layer

### **N. CHECK VALVES**

Approved Manufacturer:

- 1) Val-Matic Surgebuster Check Valve

### **O. PVC PIPE FOR SANITARY SEWER**

Approved Manufacturers or approved equal:

- 1) PVC Pipe
  - a. Diamond Plastics Corporation
  - b. JM Eagle
  - c. North American Pipe Corporation
- 2) Pipe fittings
  - a. HARCO Fittings

### **P. DUCTILE IRON PIPE**

Approved Manufacturers or approved equal:

- 1) Ductile Iron Pipe
  - a. U.S. Pipe
  - b. McWane Ductile
  - c. American Cast Iron Pipe Company
- 2) Restrained Joints
  - a. Flex Ring by American Cast Iron Pipe
  - b. TR-Flex by U.S. Pipe
  - c. McWane Ductile
- 3) Mechanical Joint Restraint Systems
  - a. Ebba Iron – Megalug
  - b. Ford – Uniflange



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- c. Star – Stargrip and 3000 series for DIP and 4000 series for PVC
  - d. Romac – Romagrip
  - e. Sigma – Onelok
  - f. Tyler Union – TUF Grip Series 1500
  - g. SIP Industries – EZ Grip
- 4) Gaskets – Flanged Joints
- a. Garlock
  - b. Klinger
  - c. Teadit
  - d. Cranite
  - e. U.S. Pipe
- 5) Flanged Fittings
- a. American Cast Iron Pipe
  - b. McWane Ductile
  - c. Sigma
  - d. SIP Industries
  - e. Star Pipe Products
  - f. Tyler
  - g. U.S. Pipe
- 6) Grooved-end Fittings and Couplings
- a. Victaulic Company of America
  - b. Mueller/Anvil, Gruvlok brand
  - c. TYCO Grinnell
- 7) Ceramic Epoxy Lining
- a. Protecto 401 Ceramic Epoxy Liner
- 8) Fusion Bonded Epoxy Lining and Coating
- 100% Powder Epoxy
- a. 3M Scotchkote 206N
  - b. Valspar Pipe Clad 1500



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## Approved Materials List

- c. Akzo Nobel Resicoat Single Layer Liquid Epoxy
- d. 3M Scotchkote 309

### **Q. VITRIFIED CLAY PIPE SANITARY SEWER**

Approved Manufacturers or approved equal:

- 1) Gladding McBean
- 2) Pacific Clay
- 3) Mission Clay Products
- 4) Epoxy Resin
  - a. Epibond 157, Furane Plastics Inc.
  - b. WR633 A&B, Wyndham Chemicals Inc.
  - c. EPON 828, Shell Chemical Corporation
- 5) Joints
  - a. "Wedgelock" or "Speed-Seal"

### **R. FIBERGLASS REINFORCED SEWER PIPE**

Approved Manufacturers or approved equal:

- 1) HOBAS Pipe USA
- 2) Thompson Pipe Group – Flowtite

### **S. PVC SEWER FORCE MAIN**

Approved Manufacturers or approved equal:

- 1) PVC Pipe – C900 DR-14 CL 305 psi (8 – 12-inch diameter)
  - a. CertainTeed Corporation
  - b. Diamond Plastics Corporation
  - c. Ipex, Inc.
  - d. North American
  - e. Vinyltech Corporation
- 2) Pipe and Couplings
  - a. Series 1350 Uni-Flange
  - b. Star Pipe Products Series 1100
  - c. EBBA Iron MEGALUG



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## Approved Materials List

- d. Uni-Flange Series 1300
- 3) Tracer Wire
  - a. Copperhead
  - b. NEPTCO
- 4) Electronic Marker System (EMS)
  - a. 3M Electrical Products Division
  - b. Scotchmark Market locator Model No. 1258

### **T. HDPE PIPE FOR SEWER FORCE MAINS**

Approved Manufacturers or approved equal:

- 1) HDPE pressure pipe
  - a. JM Eagle
  - b. Performance Pipe
- 2) HDPE fittings
  - a. ISCO Industries
  - b. Performance Pipe
  - c. Plasson USA
- 3) Tracer Wire
  - a. Copperhead
  - b. NEPTCO
- 4) HDPE EMS Markers
  - a. 3M Electrical Products Division
  - b. Scotchmark Market Locator Model No. 1258

### **U. SEWER CLEAN-OUTS**

- 1) Frame and Cover – Alhambra A1240
- 2) Adjustable Clean-Out – Finish Line 834 Series
- 3) Mid-Range Pipe Locators
  - a. 3M Electrical Products Division
  - b. Scotchmark Market Locator Model no. 1258



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## Approved Materials List

### **V. HOUSE LATERALS**

#### Approved Materials

- 1) Connections to Sewer Mains
  - a. PVC gasketed fittings – HARCO Fittings, or equal.
- 2) Inserta Wye
  - a. Inserta Tee, or equal.
- 3) Saddle Wye
  - a. Flexible Saddle Wye – Ferguson Flexible Tap, or equal
  - b. PVC Saddle Wye – HARCO Fittings, or equal
  - c. FRP saddle wye with Section 33 31 15
- 4) Laterals Unconnected to Dwelling Units
  - a. Carsonite Utility Marker
- 5) Mid-Range Pipe Locators
  - a. 3M Electrical Products Division
  - b. Scotchmark market Locator Model No. 1258



# COACHELLA VALLEY WATER DISTRICT

## Approved Materials List

### IRRIGATION (Canal Water)

#### A. PIPELINE MATERIALS

Approved Materials

- a. PVC – C905 DR25 CL 165 psi (18 – 42 inch diameter)

Approved Manufacturers:

- 4) JM Eagle
- 5) North American Pipe
- 6) Diamond Plastics Corporation

- b. PVC – C909 CL 235 psi (8 – 12 inch diameter)

PVC – C909 CL 165 psi (16 inch diameter)

Approved Manufacturers:

- 1) JM Eagle

- c. Ductile Iron Pipe (42 inch diameter and greater)

Approved Manufacturers:

- 1) U.S. Pipe
- 2) Mc Wane
- 3) American CI

- d. HDPE Pipe – (bypass setup only)

Approved Manufacturers:

- 1) JM Eagle
- 2) WL Plastic
- 3) ISCO
- 4) Ferguson
- 5) Integrity Fusion
- 6) Performance Pipe

- e. HDPE fittings – (bypass setup only)

- 1) ISCO Industries
- 2) Performance Pipe
- 3) Plasson USA



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## Approved Materials List

### **B. FLOW METER**

Approved Manufacturers (DC Power Source)

- 1) Water Specialties Model ML-04-D with Flow-Com Digital Register
- 2) McCrometer Model SW500 with Flow-Com Remote Read Digital Register
- 3) McCrometer UltraMag Model UM06 Electromagnetic Flow Meter (Battery Powered)

Approved Manufacturers (AC Power Source)

- 1) Krohne Enviromag Electromagnetic Flow Meter

### **C. BALLCENTRIC PLUG VALVE**

Approved Manufacturers

- 1) Dezuric Series 100
- 2) Pratt/Milliken Model 601
- 3) Crispin K-Flo Model Number:  
800 Series 2-1/2" – 12"  
900 Series 14" – 48"

### **D. VAULTS**

Approved Manufacturers

- 1) Jensen - K466-FH48-08TH precast water vault with spring assisted galvanized traffic cover.
- 2) J&R Concrete Products Inc.
- 3) Olson Precast
- 4) Oldcastle Precast
- 5) Confined Space Mounts
  - a. Tuff Built Davit Mount (30033 and 30053)





# COACHELLA VALLEY WATER DISTRICT

## Approved Materials List

### **E. PIPE CONNECTOR**

Approved Manufacturers

- 1) Weko-Seal: An internal joint sealing technology used to eliminate infiltration/exfiltration in piping ranging in sizes from 18” through 96”
- 2) Joints Coupling – Calder Style with shear band

### **F. AIR-VAC VALVES**

Approved Manufacturers

- 1) ARI – D-025 (0.75 – 150 PSI)
- 2) ARI – D-020 (0.75 – 250 PSI)
- 3) Vent-O-Mat

### **G. UTILITY MARKER POSTS**

Approved Manufacturers

- 1) Flexstake, Inc. (No. EZWC206W – white with reflective strip)

### **H. TRACER WIRE**

Approved Manufacturers:

- 1) Copperhead
- 2) NEPTCO



# COACHELLA VALLEY WATER DISTRICT

## Approved Materials List

### **ELECTRICAL AND TELEMTRY**

#### **A. AUTOMATIC TRANSFER SWITCH (ATS)**

Approved Manufacturers

- 1) Eaton

#### **B. EMERGENCY ELECTRIC GENERATING SYSTEMS (GENERATORS)**

Approved Manufacturers

- 1) Caterpillar
- 2) Cummins

#### **C. MOTOR CONTROL CENTERS (MCC)**

Approved Manufacturers

- 1) Allen Bradley
- 2) Eaton
- 3) Square D

#### **D. VALVE ACTUATORS (MOV)**

Approved Manufacturers

- 1) Auma
- 2) EIM
- 3) Rotork

#### **E. PROGRAMABLE LOGIC CONTROLERS (PLC)**

Approved Manufacturers

- 1) GE RX3i's programmed in GE Proficy ladder logic
- 2) GE Versamax

#### **F. VARIABLE FREQUENCY DRIVES (VFD)**

Approved Manufacturers

- 1) US Drives
- 2) Eaton