WATER CATEGORY 1 OF 7: VALVES AND ACCESSORIES

Air Release Valves
1. Dezurik 1. 200
2. ARI 2. D-040, S-050
3. GA Industries 3. 920

Butterfly Valves - 42" and above - 8 mil epoxy coated and lined (AWWA)
1. Dezurik 1. BAW
2. Mueller 2. Lineseal III
3. Clow 3. 1450, 4500

Gates Valves - 16" through 48" - resilient seat/wedge only w/side actuators
1. Clow 1. Series F-6100
2. Mueller 2. Series A2361

Gate Valves - 12" and smaller - resilient seat/wedge only
1. Clow 1. Series F-6100
2. Mueller 2. Series A2360
3. American Flow Control 3. Series 2500-1

Tapping Valves - resilient seat/wedge only
1. Clow 1. Series F-6114

Blow Off Valves
1. Hydro Guard 1. Automatic Blow Off
2. Kupferle Foundry Co. 2. Series TF 550
Winter Park Water and Wastewater Department
STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL

Sample Station (Above ground)
1. Water Plus
   1. Series 200A

Valves Boxes
1. Sigma
   1. Series 262X VB
2. Tyler
   2. Series 6850

WATER CATEGORY 2 OF 7: SERVICE MATERIALS

Corporation Stops (CTS)
1. Ford
   1. F1000-4NL (1”)
2. Ford
   2. B84-777NL (2”)

Straight Curbstops (CTS)
1. Ford
   1. B41-444W/NL (1”)
2. Ford
   2. B41-777W/NL (2”)

Straight Curbstops x Meter flange (CTS)
1. Ford
   1. BF43-777W/NL (1 ¼” and 2”)

Angle Curbstops (CTS)
1. Ford
   1. KV43-342W/NL (3/4”)
2. Ford
   2. KV43-444W/NL (1”)

Angle Curbstops x Meter flange (CTS)
1. Ford
   1. FV43-777W/NL (1 ¼” and 2”)

Ball Valves (IP)
1. Ford
   1. B11-333W/NL (3/4”)
2. Ford
   2. B11-444W/NL (1”)
3. Ford
   3. B11-666W/NL (1 ½”)
4. Ford
   4. B11-777W/NL (2”)

Polyethylene Tubing- Blue w/UV Protection (SDR-9), 1” and 2”
1. Endot
   1. PE 4710 Endopure

Service Saddles-1”AWWA/CC taper thread, 2” IP male thread
1. Smith-Blair
   1. Series 313
2. Ford
   2. Series 202

U-Branch Assemblies
1. Ford
   1. U48-43NL (Horizontal)
2. Ford
   2. UVB43-42NL (Vertical)
WATER CATEGORY 3 OF 7: PIPE MATERIAL
DI/CI- cement lined (4” - 12”= Class 350, 16” - 24”= Class 250, 30” - 64”= Class 200)
1. U.S Pipe
2. McWane
3. American
4. Clow

PVC- blue (4” - 12” AWWA C-900, DR14, DR18)
1. CertainTeed
2. J-M Eagle
3. National Pipe
4. Diamond Plastic

WATER CATEGORY 4 OF 7: PIPE FITTINGS
Fittings C153 SSB/C110 Flg (Cement or Epoxy fusion bonded)
1. Tyler-Union
2. Star
3. Sigma
4. U.S. Pipe
5. American

Joint Restraints (Ductile iron pipe)
1. EBAA
2. Tyler-Union
3. Ford
4. Star

Joint Restraints (PVC pipe)
1. EBAA
2. Tyler-Union
3. Ford
4. Star

Tapping sleeves (Ductile iron pipe)
1. Smith Blair
2. JCM
3. Mueller

Tapping sleeves (PVC)
1. Smith Blair
2. JCM
3. Mueller
WATER CATEGORY 4 OF 7: PIPE FITTINGS - Continued

Tapping sleeves (A/C pipe)
1. Smith Blair 1. Series 662, 665
2. JCM 2. Series 412, 422, 432

Tapping sleeves (Mechanical joint)
1. Clow 1. Series F-5205, F-5207
2. US pipe 2. Series T-9

Tapping sleeves (HDPE)
1. JCM 1. Series 452

Expansion joints
1. EBAA
2. Mercer
3. Metraflex
4. Proco

WATER CATEGORY 5 OF 7: HYDRANTS

Hydrants
1. Clow 1. Medallion
2. Mueller 2. Super Centurion

WATER CATEGORY 6 OF 7: BACKFLOW PREVENTION DEVICES

3/4" > 2 ½" Domestic/Water - Residential & Commercial
1. Wilkins 1. 975 XL2

3" > above Domestic/Water - Residential & Commercial
1. Wilkins 1. 375
2. Wilkins 2. 375A

3/4" > 2 ½" Irrigation - Residential & Commercial
1. Wilkins 1. 975 XL2

3" > above Irrigation - Residential & Commercial
1. Wilkins 1. 375
2. Wilkins 2. 375A

3/4" > 2" Fireline - Residential & Commercial
1. Wilkins 1. 950 XLT2
2. Watts 2. LF719
3. Wilkins 3. 950 XLTDA2
WATER CATEGORY 6 OF 7: BACKFLOW PREVENTION DEVICES-Continued
2 1/2” > above Fireline - Residential & Commercial

1. Wilkins 1. 350 DA
2. Wilkins 2. 350 ADA
3. Ames 3. 3000 SS
4. Watts 4. 774 DCDALF
5. Watts (8”> 10” only) 5. 757 DCDA

WATER CATEGORY 7 OF 7: MISCELLANEOUS ITEMS
Casing spacers (all sizes) stainless steel w/vinyl runners
1. Advance Products 1. Series SSI
2. Cascade 2. Series CCS
3. Power Seal 3. Model 4810
4. GPT Industries 4. Ranger II
5. CCI Pipe 5. Model CSS-8, CSS-12

Vault frame and cover for air release valves
1. US Foundry 1. USF 7665-HH
2. Water Plus 2. #30, #40

Primer paint: Aerial pipe, fittings & valves
1. Color Wheel 1. 635 Primer red
2. Glidden 2. Alkyd metal primer
4. Tnemec 4. 37H-77 Chem-primer

Finish paint: Aerial pipe, fittings & valves
1. Color Wheel 1. 600 Alkyd enamel
2. Glidden 2. Alkyd Ind. Enamel
3. Porter/Int’l 3. 2749 Alkyd gloss
4. Tnemec 4. Tnemec 2H gloss

Tracing wire
1. Copperhead 1. Solo Shot Extreme
2. Regency Wire & Cable 2. UF-TWU 10 ga.

Tracing wire test stations
1. Copperhead 1. LD-14, RB-14, CD-14
WASTEWATER CATEGORY 1 OF 6: VALVES AND ACCESSORIES

Air Release Valves (epoxy lined)
1. Dezurik
2. ARI
3. GA Industries
4. Val-Matic

Air Release Valves/ Vacuum Relief Valves (epoxy lined)
1. Dezurik
2. ARI
3. GA Industries
4. Val-Matic

Service Saddles for Air Release Valves (epoxy lined w/stainless steel straps)
1. Smith-Blair
2. Mueller
3. Ford
4. JCM

Check Valves - 4”> larger (8 mil epoxy lined)
1. Dezurik
2. Clow
3. Val-Matic
4. GA Industries

Plug Valves - MJ & Flanged (8 mil epoxy lined)
1. Dezurik

Valve Boxes w/locking Lids
1. Sigma
2. Tyler-Union
3. American Flow Control

#3. For mains equal to or greater than 16” diameter,
   Or equal to or greater than 6’ depth

Vault Frames and Cover for Air Relief Valves
1. US Foundry
2. Water Plus

WASTEWATER CATEGORY 2 OF 6: PIPE MATERIALS

Pipe (DI) for Valve Vaults (Class 200, 250, 300)
1. American DI pipe
2. US DI pipe
3. Griffin

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WASTEWATER CATEGORY 2 OF 6: PIPE MATERIALS (Continued)

Pipe (PVC) for Force Mains AWWA C900, C905, DR25 (Green)
1. Certainteed (DR18 restraint pipe)
2. J-M Eagle (DR18 restraint pipe)
3. National Pipe
4. Diamond Plastics

Pipe (PVC) for Gravity SDR35 (Green)
1. National Plastics
2. J-M Eagle
3. Diamond Plastics
4. Certainteed

WASTEWATER CATEGORY 3 OF 6: PIPE FITTINGS

Fittings-DI (epoxy lined)
1. Tyler-Union
2. US Pipe
3. Sigma
4. Star
5. Griffin

Fittings–PVC
1. Multi/Ipex
2. Harco
3. Fernco

Restrained Joints-DI
1. EBAA
2. Tyler-Union
3. Ford
4. Star
5. Sigma

Restrained Joints-PVC
1. EBAA
2. Tyler-Union
3. Ford
4. Star
5. Sigma

Expansion Joints
1. Mercer
2. Metraflex
3. EBAA
4. Fernco
5. Proco
WASTEWATER CATEGORY 4 OF 6: MANHOLES AND ACCESSORIES

**Manholes (Precast)**
1. Allied Precast
2. Atlantic Precast
3. Dura Stress
4. Mack Precast
5. Standard Precast
6. Hanson Pipe & Prod.
7. Oldcastle Precast
8. Delzotto Precast

**Manhole frame and covers**
1. US Foundry
2. East Jordan Iron Works

**Manhole jointing material**
1. K.T. Synder Co, Inc.
2. Conseal
3. NPC

**Pipe seals, manhole- gravity < 12”**
1. Atlantic Concrete
2. NPC

**Pipe seals, manhole- gravity 12” or greater**
1. Atlantic Concrete

**Pipe seals, force mains- wetwells and valve box**
1. Link Seal

**Manhole encapsulation**
1. CANUSA
2. Wrapid Seal/ Srapid Tape

**Manhole surface coatings- exterior**
1. Carboline
2. Conseal
3. Bitumastic 300M
4. CS-55

**Manhole surface coatings- interior**
1. Sauereisen
2. Aquata Poxy
3. Quadex
4. 210
5. Aquata Poxy
6. Alumina liner
7. HBS 100 epoxy liner systems
8. Sewpercoat
9. Spectrshield
Generators
1. Onan (Cummins)

Generator transfer switch
1. Onan
2. Square D

Flow meters
1. Siemens-Sitrans
   1. FM Mac S100W

Submersible Pumps w/enclosed impellers
1. Flyght

Wetwell and valve vault access frame and covers
1. Halliday Products
2. US Foundry

Control panels
1. Sta-Con, Inc.

Alarm horn (AH)
1. Wheelock (w/Back box WBBR)

Alarm light (AL)
1. Federal signal
   2. LP3M-120R (strobe)

Control circuit breaker
1. Square D

Supplemental protector breaker (3 pole)
1. Square D

Control circuit transformer
1. Square D

Duplex receptacle/GFI (DR)
1. Square D
2. Hubbell

Emergency circuit breaker (ECB)
1. Square D

Enclosure
1. Hoffman
2. Hubbell
Fuses
1. Bussman
2. Gould-Shawmut

Float regulator (FR)
1. Roto-float

Pressure transducer - 0 - 15 psi range
1. Blue Ribbon Ind.

Generator receptacle (GR)
1. Pyle National
2. Leviton

Hand- auto- off- selector (HOA)
1. Square D

Horn silence button (HSS)
1. Square D

Main service disconnect breaker
1. Square D

Main circuit breaker (MCB)
1. Square D

Main circuit transformer (MCT)
1. Square D

Motor circuit breaker (MB)
1. Square D

Motor starter (MS)
1. Square D

Overload heater (OL)
1. Square D

Phase monitor (PM)
1. MPE
2. Diversified

Pump automatic alternator (PAA)
1. MPE
2. Diversified
WASTEWATER CATEGORY 5 OF 6: WASTEWATER PUMP STATION MATERIALS AND ACCESSORIES-Continued

Relay (R)
1. Porter Brumfield
2. Eagle Signal

Run Indicator (RL)
1. Dialco
2. LC & D

Surge Protector
(UL1449-2nd Edition listed and labeled), (Nema LS-1 and OEEE C62.41 tested) with Nema 4X enclosure, Internal fusing, voltage and phase to match service, rated 80,000 amps per mode (Min. 10 year warranty)
1. Innovative Technologies
2. Surge Suppressors, Inc.
3. Current Technology/Joslyn
4. Intermatic
5. APT
1. PTE 160 series
2. LSE series
3. ST 160 series
4. PG 3000 series
5. S50A240V3H

Terminal Strips (TS)
Square D
1. 9070GR6, 9080-GR6

Radio telemetry & associated equipment
1. Data Flow Services