

## **Approved Material List Summary of Revisions**

### **March 3, 2014 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added to the Water Utilities Department Approved Material List:

#### **Add "Champion Controls Inc." to:**

PW 47 - Remote Telemetry Units (PLC) Type WW 39 - Remote Telemetry Units WW 42 - Lift Station Control Panels RW 64 - Remote Telemetry Units MR 53 - Lift Station RTU  
MR 89 - Complete PBC Lift Station Control Panel ST 50 - Remote Telemetry Units Standard Detail # 66S, Item 38

### **April 22, 2014 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW1, WW1, RW1 Ductile Iron Pipe:

Add new subcategory for "Flanged Pipe" with the following Fabricators:

- ASAP Fabrication, Inc. (1-813-752-1999)
- Custom Fab, Inc. (1-407-859-3954)
- US Pipe Fabrication, Inc. (1-800-950-8525)

**Note:** The Fabricators must use pipe supplied by approved manufacturers.

### **May 12, 2014 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW 21 A(4), B(4), D(3); WW 18 A(4), B(4), D(3); RW 17 A(4), B(4), D(3) Revise the size of the approved StarGrip Restraints from 12" to 16"
2. Add to the Maintenance and Repair (MR) Section:  
MR 126. Hydrogen Sulfide Monitors/Loggers
  - (1) Arizona Instruments LLC - Jerome (H2S)
  - (2) Apptech International - OdaLog

## **September 2015 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW 1: Replace (3) with "McWane Ductile"; Delete "(4) Griffin"; add "Bolt Lok" to US Pipe flexible joint restraint pipe
2. PW 2.A.: Revise Title to: "Push-on Joint Pipe, AWWA C900, SDR-18 min, 235 psi min.; and AWWA C905, SDR-25 min., 165 psi min., NSF 61:"; Revise (1) to "JM Manufacturing Company"; add to (4) "North American Pipe Corp."; add to (5) "Inc."
3. PW 2.C.: Revise (2) to "JM Manufacturing Company"; add to (4) "Pipe and Foundry Company"
4. PW 4.A.: Revise (2) to "JM Manufacturing Company", add to (3) "Inc."; add to (5) "Pipe by Uponor Infra Ltd."
5. PW 4.B.: Add to (1) "Plastics, Inc."; add to (2) "Industries, Inc."; revise (3) to "JM Manufacturing Company"
6. PW 14: Add (3) "SIGMA Corp. - Ductile Iron only - Top VB2611 -D, Bottom VB2612-D
7. PW 15: Add (3) SIGMA Corp. - Ductile Iron only - VB2600W-D
8. PW 19: Delete (1), (4) and (5)
9. PW 21. A and B: Revise (4) "up to 16"
10. PW 21.D.: Revise (3) "up to 16"
11. PW 23 (2): Replace "BBN" with "SS"
12. PW 24.: Add to (1) "restraint, with anchor studs"; Add to (2) "hardware coated with Megabond"; Add to (3) "with anchor studs"
13. PW 25. A.: Delete (4); B.: Add to (2) Bolt Lok; Delete (3)
14. PW 26: Add to (1) "Fittings Inc."; Add to (2) "Inc"; Revise (3) "Spears Manufacturing Company"; Add to (4) "Pipe and Foundry Company"
15. PW 33 (3): Revise "AY McDonald 74604 BY-44"
16. PW 36 (3): Revise "AY McDonald 14-2, 14-4"
17. PW 38 D: Add "(2) Smith Blair 372"
18. PW 43. Revise (3) "EJ (Andrews Metal Style) M2-A, M5-A"
19. PW 44.A.(2): Replace with: "Sherwin Williams Targuard Low VOC Coal Tar Epoxy with Reducer R7K111; two coats at 8-16 mils per coat, 50% overlap with each pass (not to be used for direct contact with potable water)"
20. PW 46: Add to Title "Aluminum Housing, hinged door opening, padlock, unthreaded sample point with protective cap, stainless steel piping"; Add to (1) "-SS-PBC"; Delete (2)
21. PW 47 (1) through (5): Revise "PBCRTU2015"

## **September 2015 Updates (cont'd)**

22. PW 81: Add to Title "Battery powered"; Revise (1) "Mueller Hydroguard HG-6 Signature, (to be bolted to a 4' by 3' by 5" Reinforced Concrete Pad); Add (2) "Mueller Hydroguard HG-1 Basic S, with integrated controller and pad lock wings, Part #HG1 BSSI02000NFPVC00"
23. PW 82: Brass Yoke Angle Curb Stop (Compression PVC x Yoke)  
(1) AY McDonald 74602 BY-44 (3/4", 1")  
(2) Mueller V-25103-N
24. WW 1: Replace (3) with "McWane Ductile"; Delete "(4) Griffin"; add "Bolt Lok" to US Pipe flexible joint restraint pipe
25. WW 2.A.: Revise Title to: "Push-on Joint Pipe, AWWA C900, SDR-18 min, 235 psi min.; and AWWA C905, SDR-25 min., 165 psi min., (14"-24"), NSF 61:"; Revise (1) to "JM Manufacturing Company"; add to (4) "North American Pipe Corp."; add to (5) "Inc."
26. WW 2.C.: Revise (2) to "JM Manufacturing Company"; add to (4) "Pipe and Foundry Company"
27. WW 4.A.: Revise (2) to "JM Manufacturing Company", add to (3) "Inc."; add to (5) "Pipe by Uponor Infra Ltd"
28. WW 4.B.: Add to (1) "Plastics, Inc."; add to (2) "Industries, Inc."; revise (3) to "JM Manufacturing Company"
29. WW 7: Revise (1) to "JM Manufacturing Company"; add to (3) "North American Pipe Corp."; add to (4) "Inc."
30. WW 13: Add (3) "SIGMA Corp. - Ductile Iron only - Top VB2611 -D, Bottom VB2612-D
31. WW 14: Add (3) SIGMA Corp. - Ductile Iron only - VB2600S-D
32. WW 16: Delete (1) and (4)
33. WW 18. A and B: Revise (4) "up to 16"
34. WW 18.D.: Revise (3) "up to 16"
35. WW 20 (2): Replace "BBN" with "SS"
36. WW 21: Add to (1) "Hardware coated with Megabond"; Add to (2) "restraint with anchor studs"; Add to (3) "Stainless Steel Hardware, with anchor studs"
37. WW 22. B.: Add to (2) Bolt Lok; Delete (3)
38. WW 29. A.: Delete from (1) "402"; Revise (4) "Romac 202 NU"; Add to (5) "4826A"
39. WW 29. C.: Revise (2) "Romac FTS420T"
40. WW 30. A.: Revise (3) "EJ Corp. (Andrews Metal Style) M2-A, M5-A"

## **September 2015 Updates (cont'd)**

41. WW 31: Add to Title "(Lid with PBC Logo required for all PBCWUD Manholes)";  
Revise note: "Lids must be machined to accept inflow protectors"; Replace (1) and (2) with:
  - A. Casting frame 4" High:
    - (1) US Foundry 465 KD
    - (2) EJ Corp. V1144-2
  - B. Casting frame 7" High:
    - (1) US Foundry 420 KD
    - (2) EJ Corp. 1072 Series (Frame EJ 1072 Z, Lid EJ 1072 A1)
42. WW 36.A.(2): Replace with: "Sherwin Williams Targuard Low VOC Coal Tar Epoxy with Reducer R7K111; two coats at 8-16 mils per coat PW 44.A.(2): Replace with "Sherwin Williams Targuard Low VOC Coal Tar Epoxy with Reducer R7K111; two coats at 8-16 mils each, 50% overlap with each pass, 50% overlap with each pass
43. WW 38.(3): Replace with "HOMA (up to 60 HP)"
44. WW 39 (1) through (5): Revise "PBCRTU2015"
45. WW 52: Add to (1) "(Harrington Corp.)"; Add to (2) "S/A"; Delete (4)
46. WW 66: Add to Title: "Double wall tank, DOT Trailer, Vacuum Assisted, Steel Frame and Tank Coated with RHINO or Equal, Aluminum Enclosure, Overall Length less than 15 feet (unless preapproved otherwise)"; Add to Note: "See also written specifications"
47. Add "WW 73. Soft Starters (SSRVS) with Integral Bypass and Fan (Required for pumps 20 Hp and larger)
  - (1) Square D ATS 22D88S6U"
48. Add "WW 74. Lift Station Service Entrance Fused Disconnect Switch
  - (1) Square D H363NSS"
49. Add "WW 75. Service Fuse for Disconnect Switch (600V, Dual Element, Time Delay Fuses Class RK1)
  - (1) Bussmann LPS-RK"
50. RW 1: Replace (3) with McWane Ductile; Delete "(4) Griffin"; Add "Bolt Lok" to US Pipe flexible joint restraint pipe
51. RW 2.A.: Revise Title to: "Push-on Joint Pipe, AWWA C900, SDR-18 min, 235 psi min.; and AWWA C905, SDR-25 min., 165 psi min., NSF 61."; Revise (1) to "JM Manufacturing Company"; Add to (4) "North American Pipe Corp."; Add to (5) "Inc."
52. RW 2.C.: Revise (2) to "JM Manufacturing Company"; Add to (4) "Pipe and Foundry Company"
53. RW 4.A.: Revise (2) to "JM Manufacturing Company", Add to (3) "Inc."; Add to (5) "Pipe by Uponor Infra Ltd."
54. RW 4.B.: Add to (1) "Plastics, Inc."; Add to (2) "Industries, Inc."; Revise (3) to "JM Manufacturing Company"
55. RW 15: Delete (1) and (4)
56. RW 17. A and B: Revise (4) "up to 16"
57. RW 17.D.: Revise (3) "up to 16"
58. RW 19 (2): Replace "BBN" with "SS"
59. RW 20: Add to (1) "Hardware coated with Megabond"; Add to (2) "restraint with anchor studs"; Add to (3) "Stainless Steel Hardware, with anchor studs"
60. RW 22. A.: Delete (4); B.: Add to (2) Bolt Lok; Delete (3)

## **September 2015 Updates (cont'd)**

61. RW 26: Add to Title "Compression PVC x Yoke"; Revise (2)AY McDonald 4602BY-44 RTW-44 (Reclaimed Water)
62. RW 31. A.: Delete from (1) "402"; Revise (4) "Romac 202 NU"; Add to (5) "4826A"
63. RW 31. C.: Revise (2) "Romac FTS420T"
64. RW 35.: Revise (3) "EJ Corp. (Andrews Metal Style) M2-A, M5-A"
65. RW 49: Add to (1) "Fittings Inc."; Add to (2) "Inc"; Revise (3) "Spears Manufacturing Company"; Add to (4) "Pipe and Foundry Company"
66. RW 61: Revise Title "Stainless Steel Stiffening Inserts for HDPE Pipe (4" - 12)"
67. RW 63: Replace with :Electronic Pressure/Flow Control Valve with Anti-Cavitation Kit and Hydraulic Float Pilot Override (for Lake Discharge Applications with RTU)"  
(1) Cla-Val 131-20 BCMPSVY KCO DS SSB 150AG
68. MR 2: Delete and replace with "Brass Straight Curb Stop Ball Valve (Full Port, Female x Yoke); Approved Products/manufacturers: (1)Ford B91-W-NL; (2) AY McDonald 76101WY
69. MR 11: Revise Title "Ductile Iron Restraint Flanged Adapters"; Add to (1) "(SS Hardware Coated to Prevent Galling, restraint with anchor studs)"; Delete (2), Add "(2) EBAA Iron 2100 Megaflange (hardware coated with Megabond)"; Add to (3) "(SS Hardware, restraint with anchor studs)"
70. MR 31: Add to Title "LED with Wire Guard"; Add to (1) "STKLPF2K-8 with LPF2WG"; Delete (2) and (3)
71. MR 60: Add to Title "(2 %" Valve Box Riser)"; Add "(3) SIGMA VB 26025-D (Ductile Iron)"
72. MR 65: Add to Title "Female Thread or Slip Ends"
73. MR 66: Revise Title "Bronze Ball Valve (1/4 turn, %" - 2"); Lead Free"
74. MR 68: Add "(3) Sigma Corp. (Ductile Iron only) VB 2604WX (Water), VB 2604SX (Sewer)
75. MR 78: Revise Title "Brass Straight Curb Stop Ball Valve (Full Port, PVC Compression x Yoke), Lead Free"; add to (1) "with C87 Adapter (M x PVC)"
76. MR 84: Add to Title " And Mounting Bracket; Note: Antenna Mast to be 2" Sch. 40 Galvanized Steel"; Add "(2) SolarTech SPM 055 P-F with DPW Solar Panel Mounting Kit (SPM, High Wind Version, Anodized Aluminum Components with Stainless Steel mounting Hardware)"
77. MR 92: Add to Title "Battery powered"; Revise (1) "Mueller Hydroguard HG-6 Signature, (to be bolted to a 4' by 3' by 5" Reinforced Concrete Pad); Add (2) "Mueller Hydroguard HG-1 Basic S, with integrated controller and pad lock wings, Part #HG1 BSSI02000NFPVC00"

### **September 2015 Updates (cont'd)**

78. MR 98: Add to Title: "Double wall tank, DOT Trailer, Vacuum Assisted, Steel Frame and Tank Coated with RHINO or Equal, Aluminum Enclosure, Overall Length less than 15 feet (unless preapproved otherwise)"; Add "Note: See also written specifications"
79. MR 101: Add to Title "(ASTM F2561)"
80. MR 102: Add to Title "(ASTM F2599)", Add "(2) LMK Performance Liner Sectional Repair"
81. MR 103: Add "(5) INSITUFORM LLC"
82. MR 110: Delete (2)
83. MR 119: Delete from Title "Battery Powered"; Delete (1); Add (1) ABB WaterMaster
84. Add "MR 127. Combo Shower/Eye Wash Station (Stainless Steel with Cover)  
(1) Speakman 625-SS-CV"
85. Add "MR 128. Pressure Gauge (Stainless Steel; 0-100 psi) (1)  
Ashcroft Duralife 1009 (25-1009-SW-02L-XLL-100#)"
86. Add "MR 129. Pressure Recorder
  - A. Hydrant Model  
(1) TELOG HPR-31
  - B. Line Pipe Model  
(1) TELOG LPR-31"
87. ST 46 (3): Replace with "HOMA (up to 60 HP)"
88. ST 81: Delete (4)

### **November 2015 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW 5: Add "(3) WHITLAM Weatherproof Blue All Weather Low VOC Medium Body Cement"
2. PW 30 (2): Add "-38"
3. PW 31 (3): Add "-38"
4. PW 33 (1): Add "-38"
5. PW 34 (3): Add "-38"
6. PW 35 (3): Add "-38"
7. PW 72 (2): Add "-38"
8. PW 74 (2): Add "-38"
9. PW 82 (2): Add "-38"
10. WW 27 (3): Add "-38"
11. WW28 (3): Add "-38"
12. MR 19 (3): Add "-38"
13. MR 117 (2): Add "-38"
14. PW 78: Delete "B. Low Lead" products
15. Add "PW 83. Brass Quarter Bend Yoke x FIPT, (1) AY McDonald 74779FY (3/4" x 02, 1" x 04)"

### **November 2015 Updates (cont'd)**

16. WW 5: Add "(3) WHITLAM Weatherproof Blue All Weather Low VOC Medium Body Cement"
17. WW 52: Add "(4) Royal Building Products G-Series"
18. RW 5: Add "(3) WHITLAM Weatherproof Blue All Weather Low VOC Medium Body Cement"
19. RW 13: Replace with "Check Valve for Reuse Water Services 3" and larger (AWWA C508);  
(1) Valmatic Swing Flex Check Valve, (2) APCO Rubber Flapper Swing Check
20. RW 34 E.: Add to title "(Torsion Assist Lid Required)"
21. RW 34 F.: Add to title "(Torsion Assist Lid Required)"
22. RW 34 G.: Add to title "(Torsion Assist Lid Required)"
23. RW 34 H.: Add to title "(Torsion Assist Lid Required)"
24. RW 56: Revise Title to " Lake Discharge Outfall Pipe Check Valve"
25. RW 63: Revise Title to "Electronic Pressure/Flow Control Valve with AntiCavitation Kit, Hydraulic Float Pilot Override (Lake Discharge), and Flow Rate Transmitter"; Add to (1) "A. Lake Discharge Connection."; Add "B. Direct Service Connection: (1) Cla-Val 93EF-01 BCM PSVY KC DS SSB 150Ansi"
26. MR 12: Add "(4) ROMAC ALPHA Restraint Coupling
27. MR 98: Replace "Diesel Powered Generator" with "Diesel Powered Pump"
28. Section 6. Wastewater Treatment Plant Equipment: Correct typo in Note to read "components".

### **December 2015 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. MR 130. Brass Angle Ball Service Valve with Pad Wing (FIT x FIT)  
Approved Products/Manufacturers: (1) Ford BA 11 - NL Series (333W, 444W, 666W, 777W)

### **February 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. WT 7: Add (4) Hydranautics ESPA4-LD and ESNA1-LF2-LD

### **April 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. MR 60: Add to Title "Maximum"
2. Add MR 131: Industrial Grade Metal Repair and Erosion-Corrosion Protection Compounds  
(1) BELZONA

### **May 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW62, WW 64, RW 54: Revise Title to "Insertion Valve"; Add (2) Hydra-Stop IV 250 Patriot Series
2. Add: MR 131. RTU Antenna (Heavy duty, pole-mounted, grounded, directional Yagi type, with min. 50 feet of Andrews Heliax (LDF4-50A) low loss coaxial cable, line adapter, RF lightning protector Polyphaser IS-50NX-C2, RF coaxial connectors (solder-pin type) L4TNM-PSA or L4TNF-PSA by Andrews, and appurtenances) Approved Products/Manufacturers:  
(1) Sinclair SY307-SF3SNM(ABK)  
(2) WEBB Y460-9 with Bracket C03 Stainless Steel Crossover Plate and Stainless Steel V-Bolts"
3. PW 31(3): Revise Model Number to "V-25236N-38"
4. PW 34(3): Revise Model Number to "V-25058N-38"
5. PW 38B (6): Revise Model Number to "4856A"
6. PW 56, WW 50, RW 48: Delete Independent Pipe Products, Inc."
7. MR 9: delete TPS EZmax"; revise Model Number to "131, 132"
8. MR 53 (1) through (6): Revise Model Number to "2015"
9. MR 100: Revise Title to "Polymer Concrete Vault Assembly (with Torsion Assisted Frame and Covers, 20K Rated)"; (1) Revise company name to "Armorcast Products Company", Delete "A600 1506TAX36MT"
10. WT 17(1): Revise name to "Schneider Electric"
11. ST 48(4): Revise name to "Schneider Electric"

### **September 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List.

1. PW 33: Add various valve sizes  
- (5/8 x 3/4 x 3/4), (5/8 x 3/4 x 1), (1)  
- 344W-NL  
- (3/4 x 3/4 x 02), (1 x 3/4 x 02), (1 x 1 x 04)
2. PW 70: Correct model number (2) Mueller H-15363N
3. PW 71: Add to (1): (36-AWT)
4. Delete PW 72
5. WW 9: Revise (2): "Pratt/Milliken"; Delete (4): "Milliken"; Add (4): "GA Industries"
6. WW 63: Revise (1): "CDR Box B03173012A, Lid C00173002"
7. MR 100: Delete (2)
8. Add: "MR 132 Automatic Power Transfer Switch: (1) ASCO/Emerson"

### **October 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added and/or revised in the Approved Material List:

1. PW 1, WW 1, RW 1: Ductile Iron Pipe: Add to (1): "Armadillo" Fast Grip Gasket (sizes 4" – 24"); Delete "Custom Fab, Inc."; Replace US Fabrication phone number with "1-866-347-7473"
2. PW 3, WW 3, RW 3: Delete (1) "Custom Fab, Inc." and add "US Pipe Fabrication"

### **October 2016 Updates (cont'd)**

3. PW 25.A.(2), PW 25.B.(2) WW 22.A.(2), WW 22.B.(2), RW 22.A.(2), RW 22.B.(2): Ductile Iron Fittings: Delete "US Pipe" and replace with "US Pipe/Metalfit"
4. Add: "PW 84, WW 76, RW 65: End Seal for Casing/Carrier Pipe Installation: A. New Pipe Installation (Min. 1/8" thick Neoprene, preassembled, with Stainless Steel bands, sized to match application): (1) GPT Model C"

### **November 2016 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added to the Approved Material List:

1. Add: "MR 133. Sewer Service Cleanout Installation System per ASTM F3097-15; Approved Products/Manufacturers; (1) LMK Technologies"
2. PW 84, WW 76, RW 65: Add: "B. Retrofit End Seal Installation (Min. 1/8" thick Neoprene, with Stainless Steel bands, sized to match application): (1) GPT Model "W"

### **January 2017 Updates**

Based on the Product Evaluation Committee findings, the following products/manufacturers are added to the Water Utilities Department Approved Material List:

1. Add: "WW 77, MR 134. Radar Level Transmitter; (1) VEGA, (2) E+H FMR 20"