

San Diego Municipal Code

## **Land Development Code**

# **Landscape Standards**

**Appendix D**

## **Approved Irrigation Materials List**

**1. REDUCED PRESSURE BACKFLOW PREVENTERS AND ENCLOSURES:**

**1.1 Reduce Pressure Backflow Preventers**

(Assemblies shall include all necessary Test Cocks with Full Port Valves included.) Febco #825Y BV; #825YAR Febco #880 'N' Shape Febco #880V Vertical Wilkins #575 RP Hershey Beeco FRP-1 1/6 CM Series Watts 009 Series; 909 Series **1.2 Backflow Enclosures**

(Sharp edges are not allowed on enclosures)

Rain Man #117371A (Zinc Plated, with 2 Coats Black Polyurethane Baked –On Paint)

Strong Box #SBBC - Al or Ali (Aluminum)

Le Meur (Stainless Steel Mesh)

All-Spec (Stainless Steel Mesh)

**2. IRRIGATION CONTROLLERS AND ENCLOSURES:**

**2.1 Irrigation Controllers**

Irritrol MC-Plus

Rainbird ISC

Rainmaster RME Series

Cal Sense 2100/et-1

**2.2 Controller Enclosures**

(Stainless Steel only)

All Spec

La Max

Strong Box

Rain Man

**3. MASTER CONTROL VALVES:**

(24 volt, Electric, Bronze, Normally Open)

Griswold 2160

Superior 3100

**4. FLOW SENSORS DEVICES:**

Data Industrial Flow Sensor 220P

Data Industrial Meter 600

Cal Sense FM Series

**5. PRESSURE REDUCING VALVES:**

(Pilot Operated, Stainless Steel Trim)

CLA-VAL #90-01BS (1 1/4" - 3" Size)

CLA-VAL #90-01BS (4" and Larger)

(With Stainless Steel Trim for Manual and Pilot Valves)

Bailey #400

Wilkins #500

Watts 25 AUB Series

**6. ISOLATION VALVES:**

**6.1 Globe Valves - 3" and Smaller Bronze**

Wilkins #215  
Champion #100  
Buckner #22000

**6.2 Gate Valves - 4" and Larger Cast Iron**

Clow  
Mueller  
I.O.W.A.

**6.3 Locking Cap for Globe/Gate Valve Sleeves**

Rainbird #63100 with #2049 Key  
Buckner #72

**7. REMOTE CONTROL VALVES:**

(24-volt Electric, Bronze, Normally Closed)

Rainbird EFB-CP Series  
Superior 950-DW; 4000 (Reclaimed)  
Griswold DWS and DW-PRS Series  
Toro 216 Series

**8. QUICK COUPLING VALVES:**

**8.1 Quick Coupling Valves - Two Piece with Locking Cover**

Rainbird #44 LRC  
Buckner #25016

**8.2 Quick Coupling Valve Keys - Single Lug**

Rainbird #44K  
Buckner #25011

**8.3 Reclaimed Water Quick Coupling Valves - One Piece, Red Brass Acme - Thread with Locking Lavender Cover**

Toro #474-44  
Nelson #7645

**8.4 Reclaimed Water Quick Coupling Valve Key - Acme-thread**

Toro #464-03  
Nelson #7641

**9. IRRIGATION BOXES:**

**9.1 Remote Control Valve Boxes and Pull Boxes with Cast Iron Locking Lid**

Concrete: Brooks #3-HL  
Concrete: Christy #B3-3 with B3TL  
Concrete: San Diego Precast  
Concrete: J & R 3HL

**9.2 Quick Coupling Valve Boxes with Concrete Lid**

Concrete: Brooks #1-RD  
Concrete: Christy #F-8 with F8D  
Concrete: San Diego Precast #1A

## 10. IRRIGATION HEADS:

- 10.1 Pop-Up Rotor Heads, Oversize - Full Circle With 50' - 60' Radius**  
Rainbird #41-51A SAM-RC, R-70FC, Talon TA-80-FC w/S.S. Riser Buckner #11360-06 Hunter #I-40, I-25 (With Factory Installed Nozzles) Toro 640, S2001
- 10.2 Pop-Up Rotor, Heads Oversize - Part Circle With 50' - 60' Radius**  
Rainbird #47A SAM-RC, R-70FC, Talon TA-85-PC w/S.S. Riser Hunter #I-40 Ads, I-25 ADV/ADS (With Factory-installed Nozzles) Toro 640, S2001
- 10.3 Shrub & Pop-Up Rotor Heads, Standard - Full Circle With 40' - 50' Radius**  
Rainbird #31A RC, Falcon, T-Bird Buckner #10060-06 Hunter #I-20, I-25 (With Factory-installed Nozzles) Toro 640, S700C
- 10.4 Shrub & Pop-Up Rotor Heads, Standard - Part Circle With 40' - 50' Radius**  
Rainbird #37A RC, Falcon w/stainless steel riser, T-Bird Buckner #10061-06 or #17061-06 Hunter #I-20 ADS, I-25 ADV/ADS (With Factory-installed Nozzles) Toro 640, S700C
- 10.5 Shrub & Pop-Up Rotor Heads Undersize - Full Circle With 30' - 40' Radius**  
Rainbird #21A RC Buckner #11330-06 Hunter #I-20 (With Factory-installed Nozzles) Toro S700C
- 10.6 Shrub & Pop-Up Rotor Heads Undersize - Part Circle With 30' - 40 Radius**  
Rainbird #27A RC Buckner #11300-06 Series Hunter #I-20 ADS (With Factory-installed Nozzles) Toro S700C
- 10.7 Shrub & Pop-Up Rotor Heads Short Range - Full or Part Circle With 16' - 30' Radius**  
Rainbird T-Bird Hunter G Series, Stainless Steel Toro S700C
- 10.8 Brass Impact Rotor Heads (Riser Mount) Oversize - Full or Part Circle With 60' - 70' Radius**  
Rainbird #35 PJADT-TNT (With 1/4" Nozzle) Buckner AI-103 or AI-123
- Standard - Full or Part Circle With 45' - 50' Radius**  
Rainbird #35 PJADJ-TNT (With 3/16" Nozzle) Buckner AI-73 BU
- Undersize - Full or Part Circle With 30' - 40' Radius**  
Rainbird #25 BPJDA-TNT (With 5/32" Nozzle) Buckner AI-53SB-AB
- 10.9 Shrub Spray Heads -Fixed - Full or Part Circle**  
Rainbird #B Series with PA-8S Adapter, Rainbird 1800 Series with PA-8S PRS (Pressure Regulating Riser) Hunter #I-10 and "R" Type (90,180, and 360 Degrees Only; with factory-installed

nozzles)

Thompson #460 Series

Toro #570S with Adapter

**10.10 Shrub Spray Heads - Plastic Pop Ups Full or Part Circle**

Rainbird #1800 Series, 1800 Sam, 1800 Sam PRS,

Rainbird 1800 with Microsprays

Toro #570

Hunter "S" or "R" Type (90, 180, and 360 Degrees Only)

**10.11 Shrub Bubblers Pressure Compensating Flood Type**

Rainbird #1400 Series

Buckner #13000 and #13001

Thompson #700A

**10.12 Shrub Bubblers Pressure Compensating Stream Type**

Rainbird #1500 Series

Buckner #13010

**11. ANTI-DRAIN/EXCESS FLOW VALVES:**

Valcon #ADV-XS, #ADV

King Brother's KBI

**12. PIPE AND FITTINGS:**

**12.1 Cast Iron Fittings/ Ductile Iron Fittings for Mainline (AWWA-C110) Short Body/Cement Lined**

Dayton Foundry Tyler Pipe and Foundry Leemco-Slant Bell Fittings

**12.2 Cast Iron Joint Restraints:**

Leemco

**12.3 Polyvinyl Chloride Pipe (PVC):**

EPCO

Pacific Plastic

PW Pipe

J-M Mfg.

Finn

Apache

Brownline

Alertline (Reclaimed Water)

Waterwarn (Reclaimed Water)

**12.4 Polyvinyl Chloride Pipe (PVC) Fittings:**

Dura

Lasco

Sloan

Plastiline

Spears

**12.5 Swing Joints/Height Adjusters**

Dura

Toro 850 Series

Olson TSR-1

- 13. TRENCH MARKER TAPE:**  
Allen Marking Tape Paul Potter Warning Tape, Inc. 'Alarmatape'
- 14. WIRE CONNECTORS:**  
Pen-Tite  
Dry Splice