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
   #825 Y BV; #825 YAR Febco #880 ‘N’ Shape Febco #880 V Vertical Wilkins #575 RP
   Hershey Beeco FRP-11/6 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

10.3 Shrub & Pop-Up Rotor Heads, Standard - Full Circle With 40' - 50' Radius
Rainbird #31A RC, Falcon, T-Bird Buckner #10060-06 Hunter #1-20, 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
Plastilene
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