

Padre Dam Recycled Water Standard Plan Notes

The following Recycled Water Plan Notes shall be included on recycled water irrigation plans:

1. All work and installation shall be done in accordance with the Padre Dam Municipal Water District's Rules and Regulations and Water Agencies' Standards (W.A.S.).

<http://www.sdwas.org/>
2. Drinking water fountains and designated outdoor eating areas shall be protected against contact with recycled water spray, mist, or runoff.
3. Best management practices shall be used to eliminate or control to the best extent possible ponding, runoff, overspray and misting.
4. Hose bibs are strictly prohibited.
5. Cross-connections between recycled water lines and potable water lines are strictly prohibited.
6. No substitutions of pipe materials will be allowed without prior approval of Padre Dam Municipal Water District.
7. All mainline pipes shall have warning tape per Padre Dam Municipal Water District's Rules and Regulations.
8. Hours for irrigation with recycled water are from 10:00 p.m. to 6:00 a.m. The hours for irrigation with disinfected tertiary recycled water may be modified by the local authority. Irrigation during public use periods with disinfected tertiary recycled water shall be under the supervision of the designated user supervisor. Irrigation with water of a lesser quality than disinfected tertiary recycled water shall be between the hours of 10:00 p.m. and 6:00 a.m.
9. Burial of all wiring and piping shall meet Padre Dam Municipal Water District's Rules and Regulations.
10. Non-designated use areas shall be protected from contact with recycled water, whether by windblown spray or by direct application through irrigation or other use. Lack of protection, whether by design, construction practice or system operation, is strictly prohibited.
11. Irrigation heads shall be relocated or adjusted to minimize or eliminate over-spraying on sidewalks, streets and non-designated use areas.
12. "Recycled water quick coupling valves shall be of a type designed for the use on recycled water distribution systems", and shall be called out on plans as such, per Padre Dam Municipal Water District's Rules and Regulations.
13. On recycled water systems, all appurtenances (sprinkler heads, valve boxes, etc.) shall be color-coded purple per AWWA guidelines and Section 116815 of the California Health and Safety Code.

14. All irrigation pipes shall be stenciled with the warning, “NON-POTABLE or RECYCLED WATER,” color-coded (purple) and laid with warning tape and stenciling oriented toward the top of the trench per the Padre Dam Municipal Water District’s Rules and Regulations.
15. On new on-site systems (post-meter), potable water, constant pressure recycled water and sewer lines should be placed a minimum of four feet apart or as directed by the project engineer and/or regulatory agency. Measurements shall be between facing surfaces, not pipe center lines.
16. Constant pressure recycled water lines shall cross at least twelve inches below potable water lines and maintain at least twelve inches crossing separation between other utilities.
17. If a constant pressure recycled water line must be installed above a potable water line or less than twelve inches below a potable water line, then the recycled water line shall be installed within an approved protective sleeve as per the Padre Dam Municipal Water District’s Rules and Regulations.
18. Developer/contractor shall conduct a cross-connection test and coverage test as directed by the Padre Dam Municipal Water District and/or the San Diego County Department of Environmental Health prior to any use of recycled water.
19. The required cross-connection control shutdown test shall be monitored by either the San Diego County Department of Environmental Health or State Health.
20. The design (W.A.S. Standard Drawing WM-08) and locations proposed for recycled water “Do Not Drink” signs shall be called out on the plans.
21. When recycled water becomes available, an on-site user supervisor shall be designated in writing. This individual shall be familiar with plumbing systems within the property, with the basic concepts of backflow/cross-connection protection, the recycled purveyor’s rules and regulations and the specific requirements of a recycled water system. Copies of the designation, with contact phone numbers shall be provided to the Padre Dam Municipal Water District and/or the San Diego County Department of Environmental Health.

In case of emergency contact _____ at _____

Name

Phone

Or after hours contact _____ at _____

Name

Phone

22. All public and private potable water mains including fire mains and any water wells and water courses within the recycled water project shall be shown on the plans.
23. Call out on the plans if there are or are not drinking fountains and/or designated outdoor eating areas on this site.
24. Educate all maintenance personnel on a continuous basis of the presence of recycled water. Personnel must be informed that recycled water is meant for irrigation purposes only, and is not approved for drinking purposes, hand washing, cleaning of tools, etc. Given the high turnover rate of employees in the landscape industry it is important this information be disseminated on an almost daily basis.

25. A physical separation shall be provided between adjacent areas irrigated with recycled water and potable water.
26. There shall be no direct (pipe-to-pipe) drainage of recycled water into the storm drains.
27. Absolutely minimize by best management practices recycled water runoff to storm drains.
28. Design of brow ditches and catch basins shall absolutely minimize recycled water runoff into storm drains.
29. All recycled water sprinkler control valves shall be tagged with identification tags. Tags shall be weatherproof plastic 3" x 4", purple in color, with words "*Warning Recycled Water - Do Not Drink*" imprinted on one side, and "*Aviso - Agua Impura - No Tomar*" on the other side. Imprinting shall be permanent and black in color.
One tag shall be attached to each valve as follows:
Attach to valve stem directly or with plastic tie wrap; or
Attach to solenoid wire directly or with plastic tie wrap.
30. Each building shall have a functional isolation valve on the Domestic water system that is located above grade located immediately before water enters the building.
31. Each building shall have the water pressure regulator installed after the buildings isolation valve on the domestic water system.
32. Any changes to the water source, for the irrigation system, other than recycled water, after plan approval and signature, must be approved by Padre Dam Municipal Water District, Department of Environmental Health and/or State Department of Health.
33. The general contractor shall keep and maintain a signed set of improvement plans onsite at all times for review by the Director of Engineering and Planning or his representative. The general contractor is required to update said plans with record drawing information on a daily basis as work is performed.