

Moulton Niguel Water District Standard Notes

The Standard Notes are to be listed on the plans.

1. The design, installation, identification and use of all onsite potable water systems, fire protection systems, potable water used for irrigation systems and recycled water irrigation systems shall conform to all State, County, AWWA, SOCWA and District rules, regulations, guidelines, articles and codes regarding the design, installation, identification, use and maintenance of onsite systems and protection of the public's health. The Contractor shall have a copy of these plans and the District Standard Specifications on the job at all times.
2. No construction shall take place without all required approvals and signatures on the plans.
3. The District shall be furnished with two (2) copies of the approved construction plans prior to starting construction. A mandatory pre-construction meeting shall be held on the jobsite a minimum of 24 hours prior to the start of construction. No work shall take place without a pre-construction meeting onsite.
4. The District's inspector shall be notified a minimum of two days (48 hours) prior to construction, or any inspection.
5. All potable and recycled water meters, backflow assemblies, and related appurtenances shall be installed, inspected, and tested per District specifications before any recycled water use can take place.
6. Onsite Separation Requirements:

Horizontal Separation: The pressurized recycled water piping shall maintain a four (4) foot horizontal separation at all times from all potable water piping and/or a parallel sanitary sewer system. If a 4-foot horizontal separation is not possible, special construction requirements shall be considered, refer to District standard detail drawing IRR-13. Common trench construction is prohibited.

Vertical Separation: The pressurized recycled water piping shall maintain a minimum one foot vertical separation at all times from all pressurized potable water piping and/or a sanitary sewer system. The pressurized recycled water piping shall be installed one foot below all pressurized potable water piping and one foot above all sanitary sewer systems.

-
If a one foot vertical separation is not possible, special construction requirements shall be considered, refer to District standard detail drawing IRR-13.

7. Quick coupling valves on recycled water irrigation mainline may be required to be removed at the end of the maintenance period. If the quick coupling valves are required to be removed, the District shall determine the manner of removal.
8. Adjust all sprinkler, impact and rotor heads and drip systems to minimize direct overspray, windblown spray, ponding and runoff, onto non-irrigated areas.
9. The installation of internal, external, or in-line check valves are mandatory to prevent low-head drainage immediately after the remote control valve has closed.
10. Any deviations from the signed and approved set of plans must be approved in writing prior to installation by the design consultant and the District. Any revision must be submitted to the design consultant and the District for approval. Failure to comply will result in a "STOP WORK NOTICE."
11. Final coverage tests must be performed and passed before a final release will be issued. Direct overspray, windblown spray, ponding, and runoff onto non-irrigated areas are to be minimized.
12. Cross-connection tests shall be performed on all water systems, including existing and future recycled water irrigation systems, and all potable and non-potable water systems, as determined by the District prior to the use of recycled water. All cross-connection tests must be performed and passed before a final release will be issued.
13. The entire irrigation system and its appurtenances, as well as all onsite facilities and appurtenances shall be inspected and reviewed by the District. Final inspections/site reviews must be performed and passed by the District before a final release will be issued.
14. Unless directed otherwise by the District, recycled water system regular hours of operation are as follows:
 - Turf areas and center street medians - between 6:00 p.m. and 6:00 a.m.
 - Slopes and groundcover/shrub areas - any hour
 - Golf courses - fill impoundments between 4:00 a.m. and 6:00 p.m.

The consideration for potential public contact with recycled water shall take precedence over all recycled watering schedules. All irrigation systems run times shall be adjusted to minimize contact with recycled water on an individual lateral system basis. The District may require specific run times and durations where there is a history of public contact.

-
15. The following information must be submitted to the District at the completion of the project before a final release will be issued:
 - a. Two sets of "As-built" bond drawings which reflect the contractors redline mark-ups.
 - b. One Copy of contractors redline mark-ups on the original approved drawings.
 - c. These plans need to specify "Record Drawings" on each sheet with a cover sheet that includes all signatures at the time of approval for construction.
 - d. Following review and approval of "As-built" drawings, final drawings can be used to generate color charts for submittal to the District.
 - e. Upon approval of color charts the following is needed for final submittal.
 - f. One set – Blue/Black line drawings of all Irrigation Site Plan sheets indicating Use Site number in its original "to scale" size.
 - g. One set – Color Charts, 11" x 17" laminated hard copy – One set per controller.
 - h. One set – Color Charts, 11" x 17" bond paper 60# - One set per controller.
 - i. One set – Color Charts in electronic format, if available (AutoCAD, PDF, or other)
 - j. A Completed District backflow investigation and test reports for all backflow prevention assemblies on site. Submit to the District.
 - k. Certificates of substantial compliance, calibration, acceptance and/or proper installation/operation of the irrigation system and appurtenances as deemed necessary by the District.
 - l. A Completed District recycled water Use Permit (Appendix 6) for each recycled water point of connection.
 16. Failure to comply with any of the prior provisions and/or any other of the Rules and Regulations will place the system in violation of the Rules and Regulations and will result in a stop work notice and/or termination of service until appropriate corrective steps have been taken.

Additional notes may be added, as appropriate.