



WATER DEPARTMENT

Welcome to the Town of Marana!

Below you will find a checklist compiled by the Town of Marana for use by design engineers involved with the preparation of water improvement plans for the Town. Use of the following checklist will expedite and simplify the review process.

If you have any questions please contact the Director of the Town of Marana Water Department, Mr. John Kmiec, or our Superintendent, Mr. Paul Martinez, at the telephone numbers listed below.

We look forward to working with you!

Contact Information:

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WATER DEPARTMENT

WATER IMPROVEMENT PLAN CHECKLIST

Project Name: _____ Designer: _____

Firm: _____ Date: _____

Compliance Items to be submitted with the plan

- 1. **A current copy of the water plan with engineer's stamp and signature.**
- 2. Subdivision plat in its most final form, recorded survey, or recorded legal description reflecting current property lines.
- 3. Improvement plans or site development plan.
- 4. Underground electric layout.
- 5. Special specifications, if required.
- 6. Project phasing: Separate water plans for each phase.
- 7. New easement legal descriptions, labeled current ownership and/or recorded legal descriptions for existing easements (submit recorded easement(s) after plan approval). A minimum 25' wide easement required for utility only, minimum 30' required for utility ingress and egress (please refer to the Marana wet utility easement detail).

Items to be addressed on plan

- 1. 24" x 36" water plan format with standard title block and current Blue Stake number.
- 2. North arrow and scale names.
- 3. All street names labeled with their permanent and approved names.
- 4. Location plan on cover sheet with all applicable information (township, range, section, scale, etc.).

- 5. Cover sheet with all standard applicable information, including match lines, main sizes, and zone connections called out on site plan.
- 6. Cover sheet that reflects interior sheets.
- 7. Provide additional notes, other than those indicated on general notes and standard detail sheets.
- 8. Provide legend on cover sheet.
- 9. Index of sheets shown, including general notes and standard detail sheet.
- 10. Provide space for signature of the water company (director and engineer), responsible party for fire service, and all other pertinent agencies.
- 11. Indicate the project fire flow requirement.
- 12. Owner/developer information and consultant's logo on cover sheet.
- 13. Lettering and symbol size acceptable and legible (1/8" min.), as specified by Tucson Water standards.
- 14. Project boundary, lot lines, and lot numbers with adjacent properties' ownership identified.
- 15. Rights-of-way, full width shown, w/ street names labeled public or private.
- 16. Show applicable easements, existing, proposed, and label easements.
- 17. Plan matches easement descriptions, P.O.B., bearings, distances, etc. called out on plan.
- 18. Existing and proposed paving, utilities, drainage facilities and obstructions in vicinity of water mains.
- 19. Existing water system shown correctly, including size, zone, and pipe material.
- 20. Development tied down; Sta. 10+00 on survey monument w/ applicable stationing.
- 21. Dimensions from connections to nearest existing valves in both directions.
- 22. Phase lines (if applicable).
- 23. All new water system plotted **BOLD** (1.02 mm).
- 24. Plan: call outs for valving and/or fitting shown only once.
- 25. Abandoned main, material, and length specified.

- 26. Profile for 10" mains or larger. Size, material, and slopes are shown clearly along new water profile (if applicable).
- 27. Stations shown at all CL intersections, PTs, PCs, PRCs, PPCs, etc.
- 28. Meters and bounds provided if not parallel to property ROW centerline.
- 29. Surveyable dimensions provided for all new radial water mains.
- 30. Valving acceptable (2 for tee, 3 for cross), w/ applicable fittings, bends.
- 31. Air release valves and/or combination air vacuum valves with size called out.
- 32. In line valves provided, per ADEQ requirements.
- 33. Stubs, drain valve assemblies shown and labeled clearly.
- 34. Fire hydrants shown per Fire Department requirements.
- 35. Existing service tie-overs, renewals, and abandonments.
- 36. Meters located at property to be served, 36" minimum separation between service taps.
- 37. All new water services shown clearly on their proper location.
- 38. Electric pedestals and transformers clearly shown and dimensioned 10' minimum from water services and hydrants.
- 39. Static pressure zones identified, w/ closed valves, labeled zone boundaries.
- 40. Water notes only in standard note box; all other notes, use leaders only.
- 41. Dimension rights-of-way, waterlines, utilities, pavement, centerline, etc.
- 42. Special details (if applicable), street cross-sections.
- 43. Street cross-sections with all proposed utilities shown and dimensions from centerline.
- 44. Erase behind lettering, symbols, and other pertinent information.
- 45. All new water will be placed along the south and west side of all new streets.
- 46. A standard offset of 10' from ROW centerline required (if applicable).
- 47. Zero percent (0%) slopes not acceptable; use .5 percent minimum.
- 48. All sewer/water crossing nonpotable and potable water require invert(s) information on plan view.

- 49. All new mains crossing lots or unpaved easements require profiling, other profiling will be required and reviewed on a case-by-case basis.
- 50. Provide a copy of the water model with plan submittal.