

Project Name: _____ Sec. _____, T _____ S, R _____ E

Designer: _____ Firm: _____ Date: _____

WATER PLAN CHECKLIST - FIRST DESIGN REVIEW

FOR DESIGNER REVIEW: Indicate compliance or provide written statement on this form explaining non-compliance.

ITEMS TO BE SUBMITTED WITH PLAN

(N/A - Not Applicable)

Compliance N/A

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. A current copy of the water plan with engineer's stamp |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Approved master plan redlines with Tucson Water comments (Originals) |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. New unrecorded easement descriptions accompanied by current Title Report (2 month old maximum) and/or recorded legal descriptions for existing easements |
| <input type="checkbox"/> | | 4. Itemized cost estimate with plan name referenced |
| <input type="checkbox"/> | | 5. Final plat, recorded or not, or Record of Survey, or recorded legal description reflecting current property limits (Full-Size or 24"x 36" Max) |
| <input type="checkbox"/> | | 6. Improvement plans, site development plan and landscape plans (Full-Size) |
| <input type="checkbox"/> | | 7. Underground electric layout (Full-Size) |

Do you request a copy of the as-built? Yes No _____ County C.O.T.
City / Town

ITEMS TO BE ADDRESSED ON PLAN

Compliance N/A

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | | 1. 24" x 36" water plan to Tucson Water format w/standard title block & current Tucson Water logo & Inspector's As-Built Block |
| <input type="checkbox"/> | | 2. Standard north arrow and scale in upper right corner of each plan sheet |
| <input type="checkbox"/> | | 3. Standard location plan on cover sheet with C.O.T. ward or County Supervisor district identified adjacent to location plan & latitude, longitude, & source of datum called out below the location plan |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Cover sheet with match lines, main sizes, and zones called out on site plan |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Cover sheet site plan reflects interior sheets & shows all elements of the water system except water services |
| <input type="checkbox"/> | | 6. General notes and legend on cover sheet |
| <input type="checkbox"/> | | 7. Basis of bearing & basis of elevation called out |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Responsible party for fire service billing identified |
| <input type="checkbox"/> | | 9. Owner/Developer information and consultant's logo on cover sheet |
| <input type="checkbox"/> | | 10. Lettering and symbol size acceptable & legible (1/8" min.) |

- 11. Project boundary & lot lines with adjacent properties identified
- 12. Rights-of-way, full width shown, w/street names labeled public or private
- 13. Show applicable easements, existing & proposed, & label easements
- 14. Plan matches easement descriptions; P.O.B., bearings, distances, etc. called out on plan
- 15. Inverts or vertical separation called out at all water / sewer crossings and potable / reclaimed crossings
- 16. Existing water system shown correctly
- 17. Existing and proposed paving, utilities, drainage facilities, and other obstructions in the vicinity of new water construction
- 18. Show any Off-Site Or Right -of-Way improvement(s) associated with the project.
- 19. Development tied down; Sta. 10+00 on survey monument w/applicable stationing
- 20. Dimension from connections to all existing valves that may need to be closed during connection
- 21. Phase lines
- 22. All new water system plotted **BOLD**
- 23. Main sizes, configuration acceptable per master plan review w/comment compliance
- 24. PVC pipe within a curved easement or right-of-way
- 25. Abandon existing mains
- 26. Profile for 12" & larger mains
- 27. Protected mains, proposed & existing, with applicable notes
- 28. Corrosion test stations for ductile iron or concrete cylinder, 16" or larger, new & existing; show & label (must be reviewed by CTS Unit - submit two copies of water plan.)
- 29. Valving acceptable (2 for tee, 3 for cross and maximum spacing between in-line valves maintained)
- 30. Air release valves
- 31. Stubs, drain valve assemblies
- 32. Fire hydrants per Fire Department requirements
- 33. Existing service tie-overs, renewals, & abandonment's
- 34. Meters located at property to be served, 30" minimum separation between service taps
- 35. Electric pedestals & transformers dimensioned 10' minimum from services, hydrants, ARV's & DVA's
- 36. Static pressure zones identified, w/closed valves, and zone boundaries labeled

37. Notes in standard note box

38. Stationing is accurate, with station equations if applicable

39. Dimension rights-of-way, waterlines, utilities, pavement, centerline, etc.

40. Special details

41. Erase behind lettering, symbols, and other pertinent information

42. Plans stamped by P.E. if required by law

Revised 05/22/15

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