



Wastewater Checklist

This checklist is a guide for submitting complete and accurate plans to the city. See your project's DR, PP, ZN, UP, the Design Standards & Policies Manual (DS&PM), and contact your Project Coordinator for specific requirements.

General Requirements

- 1. Cover sheet and basic plan requirements per Plans Cover Sheet & Typical Sheet Checklist and the DS&PM, Section 1-2.
- 2. Acquire Maricopa County Health Department approval and signature. See DS&PM Section 1-2.
- 3. Provide soils/pavement report indicating required pavement section. For connecting to existing streets match existing section or per Design Report, whichever is thicker.
- 4. Show General Notes on the cover or detail sheet as shown in DS&PM Section 1-2.
- 5. Reference all elevations shown on plans to an approved city benchmark (NAVD 88).
- 6. Coordinate plans for this development with all current and proposed adjacent projects, including private developments and COS Capital and Improvement District Projects.
- 7. If portions of the improvements shown are within another jurisdiction, coordinate with that jurisdiction and acquire appropriate permits. Indicate the permit number on the cover sheet.
- 8. Provide service to all lots and parcels. Provide stationing, elevations and offsets for all services.
- 9. Sewer lines located within easements shall have a minimum 20-foot wide dedication.
- 10. Maintain a minimum 6-foot horizontal separation between water and wastewater taps.
- 11. Wastewater line sizes and depths must conform to the city's Wastewater Master Plan.
- 12. Wastewater line sizes and depths must conform to the approved development Wastewater Master Plan.
- 13. All existing wastewater lines being tied into must be shown in both plan and profile views.
- 14. All proposed wastewater lines must be shown in both plan and profile views.
- 15. Show match lines and sheet references on each sheet.
- 16. Provide dimensional ties for tie-ins to existing wastewater lines. Provide both a station number and a dimensional tie to the street centerline.
- 17. Install wastewater lines in standard horizontal locations as described in the DS&PM Chapter 7.
- 18. Provide a Monitoring Manhole on the sewer lateral (commercial).
- 19. Provide a Grease and Oil Interceptor on the sewer lateral (as applicable).
- 20. The minimum allowable cover for a wastewater line is 4 feet.
- 21. Bedding shall conform to MAG and COS standards and specifications.

Planning & Development Services Department

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General Requirements (Continued)

- 22. Wastewater line slope must be shown and meet minimum velocity—see DS&PM.
- 23. Changes in slope or alignment are permitted only at manholes.
- 24. Show all existing or proposed utility crossings in both plan and profile views. This includes water, sewer, telephone, electric, and any other buried utility lines. Call out minimum clearances at all crossings.
- 25. Encasement shall be required as applicable. See MAG Standard Detail 404.
- 26. All abandoned wastewater service lines must be capped at main connection.
- 27. A wastewater service line shall be provided for each lot with stationing, offset, and invert elevations.
- 28. A wastewater stub-out must be shown at each manhole adjacent to undeveloped property, unless otherwise justified. Wastewater stub-outs must be shown for all adjacent undeveloped property, unless otherwise justified. Wastewater stub-outs must also be provided for all major parcels within or adjacent to the development. Provide wastewater stub-outs for all potential extensions of system.
- 29. Provide a manhole service tap detail on the cover or detail sheet. A maximum of 4 wastewater laterals per manhole is permitted.
- 30. Provide maintenance and repair accessibility per DS&PM.
- 31. Provide material specifications.
- 32. Provide special details required.
- 33. Pay amount specified by Payback # _____.
- 34. Release or abandonment of easements. Fee required \$_____.

Note the Following on all Plans

- 1. Rim elevations on existing and proposed manholes.
- 2. Invert elevations on existing and proposed manholes.
- 3. Station numbers on existing and proposed manholes.
- 4. Offset from the street centerline to existing and proposed manholes.
- 5. Distance between manholes and/or cleanouts.
- 6. Provide sequential numbering for all manholes and cleanouts.
- 7. Standard detail numbers for manholes and cleanouts.
- 8. Bearings on street centerlines.
- 9. Invert elevation of sewer service lateral at property line.

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Manhole and Cover Sizes

- 1. Conform to MAG and COS standards.
- 2. For invert depth of 10 feet or less: 4 feet diameter manholes with 24-inch diameter covers.
- 3. For invert depth greater than 10 feet: 5 feet diameter manholes with 30-inch diameter covers.

Maximum Distances Between Manholes and Manholes/Cleanouts

- 1. 15-foot line size or less: manhole spacing at 500 feet.
- 2. 18 inch to 30 inch line size: manhole spacing at 600 feet.
- 3. 36 inch to 60 inch line size: manhole spacing at 800 feet.
- 4. 60 inch or greater line size: manhole spacing at 1300 feet.

Easements and Rights of Way

- 1. An easement or rights-of-way dedication is required by separate instrument. Provide the following exhibits and information, as applicable, with the completed dedication form.
 - Subdivision name
 - Type of easement/rights-of-way
 - Legal description and exhibit with RLS certification.
 - Exhibit showing easement/rights-of-way alignment with dimensions and bearings, true point of beginning, section, township, and range
 - Current title report
 - Recording fee \$_____
- 2. Map of Dedication
- 3. Separate Instrument:
 - Dedication Form
 - Title Report (6 months or less)
 - Legal Description & Exhibit
 - Copy of Plat or MOD as required.

Lift Stations/Force Mains

- 1. Public lift stations and force mains shall be designed in accordance with most current water resources standards and requirements.
- 2. Private lift stations and force mains shall be maintained by a Homeowners Association as stated on the final plat.
- 3. Label lift stations and force mains as public or private and indicate who is responsible for maintenance on cover sheet.
- 4. Indicate size and material of force main.

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