



**PLUMBING DRAWINGS**

- Sealed by a mechanical engineer registered in the State of Arizona (if applicable).
- 2018 International Plumbing Code with City of Phoenix Amendments (IPC)**
- Complete on-site domestic water & building sewer plans - see TRT 00046:  
<https://www.phoenix.gov/pdds/Docs/Document/00046.pdf> (Onsite Civil Plan Review, Water & Sewer Template) - IPC 603 & 703
- Complete plumbing floor plan for building water, sewer, roof drains and gas systems - IBC 107.2
- Minimum plumbing fixture analysis - IBC 2902.1, IBC Table 2902.1, IPC 403
- Water heater size, location, venting and hot water distribution system - IPC 501
- Service water heating energy conservation compliance (efficiency, piping insulation, temperature and pump controls, pools and spas) - IECC C404
- Plumbing fixture specifications - IPC 401, 402, 405 through 427, Table 604.4
- Backflow Prevention Devices, as required - type(s) and location(s) - IPC 608
- Plumbing piping materials - IPC 605
- Pressure relief devices and expansion tanks - IPC 504
- Water supply service and meter sizing calculations - IPC 603, Water Meter Sizing Guideline
- Water supply piping sizing calculation - IPC 604, Tables 604.3, 604.5 & 604.10.1, IPC Appendix E
- Drain, waste, and vent requirements and sizing isometrics - IPC 702, 710, 801, 901, Tables 710.1(1) & 709.1
- Building sewer systems - IPC 703
- Indirect waste systems - IPC 801, 802, 803, & 804
- Plumbing vent installation and sizing, common vents, wet venting, waste stack venting, circuit venting, combination waste and vent systems, island fixture venting, air admittance valves - IPC Chapter 9
- Traps and interceptors, trap primers - IPC 1001, 1002, 1003, & 1004
- Rainwater removal systems - IPC 1101, 1106, IPC Tables 1106.2, 1106.3, & 1106.6
- Medical gas systems - IPC Chapter 12

**Privately Owned Aquifer Protection Permit 4.01 Sewage Collection System:**

Complete this application if proposed sewage collection system falls under the requirements of Arizona's Protection Permit (APP) General Permit 4.01 (AAC R18-9-E301) but will be privately owned and operated. APP General Permit rules require 4.01 General Permit compliance for sewage collection systems that serve multiple private users where the individual users assume ownership and control to the downstream point where the sewer delivers wastewater to a sewage collection system owned and controlled by a public sewer utility. General Permit 4.01 is applicable if the private sewage collection system is constructed outside the footprint of the served building(s) and collects wastewater into a system accommodating a design flow of 3,000 gallons per day (gpd). The following documents, reports, and construction drawings shall be submitted to the Mechanical/Plumbing plan reviewer responsible for the project:

\*\* The initial submittal is required to accompany the building construction drawings.

- Application for Construction Authorization completed by design engineer.
- Sewer Design Report detailing flows and all design features.
- Construction drawings detailing site and sewer system.
- Name of Certified Operator and copy of draft CC&R's.
- Low Slope Sewer Authorization, if required.
- Upon approval, P & D issues Construction Authorization with building permit.

**Prior to Authorization and Approval of Sewer Discharge:**

After sewer installation, completion, and inspection but *before* discharge authorization and issuance of Certificate of Occupancy, the client or engineer must submit the following documentation:

- Request for Drainage Authorization, TRT Document 00207 - [https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd\\_trt\\_pdf\\_00207.pdf](https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd_trt_pdf_00207.pdf)
- Private Sewer Engineers Certificate of Completion, TRT Document 00208S - [https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd\\_trt\\_pdf\\_00208S.pdf](https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd_trt_pdf_00208S.pdf)
- Discharge Authorization, TRT Document 00209 - [https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd\\_trt\\_pdf\\_00209.pdf](https://www.phoenix.gov/pddsit/Docs/Docs/TRT/dsd_trt_pdf_00209.pdf)
- As-Built Drawings – sealed, signed, and dated by the Professional Registrant
- Test results
- Recorded CC&R's
- O&M manuals
- Certified Operator's information which includes phone number and email point of contact