

Your Community Energy & Water Partner

WATER SYSTEM DEVELOPER EXTENSION PLANSET CHECKLIST

The following Water System Developer Extension Planset Checklist was created to assist Applicants to submit more complete water system extension plans that meet District requirements in an effort to reduce plan review times and streamline the plan approval process. Additional information is located in the District's Standards and Specifications that can be downloaded at the following link:
<https://www.snopud.com/account/services/water/get-water/policies-and-procedures/>

Below are the minimum planset requirements for plan review. Plansets not conforming to these requirements may not be reviewed and may be returned to the Applicant.

Planset Minimum Requirements Each Sheet

- ☐ Plans meet the District Standards and requirements of the Developer Extension Agreement.
- ☐ Plansheets are 22"x34" ANSI D.
- ☐ Plans are stamped, signed and dated by a Washington State licensed Professional Engineer.
- ☐ Drafting standards, linetypes and symbols conform to District Standards.
- ☐ Plan views shall be 1" = 20' scale. Profile view vertical scale shall be 1"=5' or 1"=10' for steep slopes.
- ☐ North arrow is in the upper right corner of each drawing.
- ☐ Quarter, Section, Township Range are located at the top center of each sheet.
- ☐ Each drawing shall contain the PUD standard title block and symbols and contain the following:
 1. Design Engineer name and contact information.
 2. Developer name and contact information.
 3. Owner name and information.
 4. Project Name.
 5. Project Location.
 6. Project Number (Assigned after Developer Extension Agreement is executed WE-XXX).
 7. Date of drawings.
 8. Professional Engineer's stamp.
 9. Page No. X of X.
 10. District approval signature block (lower right corner).
 11. 811 Utility Locate contact information.
 12. PUD General Construction Notes.

Cover Sheet Requirements

- ☐ Vicinity map in upper right hand corner with scale
- ☐ Page Index
- ☐ General Notes
- ☐ Survey Information containing
 1. Benchmark Location with vertical datum (NAVD88).
 2. Parcel Legal Description.
 3. Parcel Number.
 4. Parcel Site Address.
 5. Surveyors Certificate with Seal, Signature and Date.

Requirements for Water System Drawings

The following information shall be identified on all water system plansheets:

- ☐ Location, length, size and type of all existing and proposed pipe for each run of water main with length of proposed water main pipe measured fitting to fitting labeled above the pipe.
- ☐ Location of all existing and proposed meters, hydrants, valves, fittings and services. Identify station, offset and a detailed callout of all hydrants, valves and fittings.
- ☐ Details of all utility crossings that involve vertical offsets in the water main including vertical bends, blocking, shackle rods, other restraints and pipe invert elevations. All vertical crossings shall be shown on the planset profile drawing.
- ☐ Fire Hydrants shall be clear of all obstructions, including landscaping or other interfaces, for a minimum of 3 feet around the hydrant.
- ☐ Existing and proposed water main easements including dimensions with accompanying Snohomish County Auditors recording number (AFN# _____).
- ☐ Locations of all existing wells. Identify existing wells to be abandoned per DOH standards.
- ☐ Dimension of minimum horizontal and vertical separation between all proposed water mains and existing sewer and storm mains.
- ☐ Roadway centerline stationing and widths of existing and proposed street right-of-way.
- ☐ Topography at minimum 5-foot contour intervals;
- ☐ All potential existing and proposed conflicts and obstructions with the proposed water main such as other utilities, rockeries, retaining walls, landscaping, sidewalks, retention vaults, and any other obstructions.
- ☐ All frontage improvements, including but not limited to sidewalks, driveways, curbs, gutters, signs, mailboxes, poles, guy wires, vaults, etc.
- ☐ All floodplains, wetlands, steep slopes, and other critical and/or sensitive areas.






































Additional Requirements

- The project licensed Professional Engineer of record shall provide a completed Washington State Department of Health Construction Completion Report (CCR) at the completion of the project verifying that the project was constructed per the engineered plans and carried out in accordance with all Washington State regulations and principles of standard engineering practice.

The CCR can be found at: <https://www.doh.wa.gov/Portals/1/Documents/Pubs/331-121-F.pdf>

WATER SYSTEM DEVELOPER EXTENSION PLANSET CAD SYMBOL STANDARDS

THE FOLLOWING CAD SYMBOLS SHALL BE USED FOR ALL WATER SYSTEM EXTENSION PLANSETS SUBMITTED FOR DISTRICT REVIEW AND APPROVAL. THESE WATER CAD SYMBOLS SHALL ALSO BE IDENTIFIED AND INCLUDED IN THE PLANSET LEGEND. CONTACT ENGINEERING UTILITY FOR THE ELECTRONIC CAD TEMPLATE.

 WATER METER EXISTING	 11.25° D.I. BEND EXISTING
 WATER METER PROPOSED	 11.25° D.I. BEND PROPOSED
 WATER VALVE EXISTING	 22.5° D.I. BEND EXISTING
 WATER VALVE PROPOSED (FLxFL)	 22.5° D.I. BEND PROPOSED
 WATER VALVE PROPOSED (FLxMJ)	 45° D.I. BEND EXISTING
 WATER VALVE PROPOSED (MJxMJ)	 45° D.I. BEND PROPOSED
 REDUCER EXISTING	 90° D.I. BEND EXISTING
 REDUCER PROPOSED (FLxFL)	 90° D.I. BEND PROPOSED
 REDUCER PROPOSED (FLxMJ)	 D.I. TEE EXISTING
 REDUCER PROPOSED (MJxMJ)	 D.I. TEE PROPOSED
 CHECK VALVE EXISTING	 D.I. CROSS EXISTING
 CHECK VALVE PROPOSED	 D.I. CROSS PROPOSED
 PRV EXISTING	 D.I. FLxMJ ADAPTOR EXISTING
 PRV PROPOSED	 D.I. FLxMJ ADAPTOR PROPOSED
 AIR/VAC EXISTING	 FIRE HYDRANT ASSEMBLY EXISTING
 AIR/VAC PROPOSED	 FIRE HYDRANT ASSEMBLY PROPOSED
 BLOW-OFF ASSEMBLY EXISTING	 WATER MAIN EXISTING
 BLOW-OFF ASSEMBLY PROPOSED	 WATER MAIN PROPOSED (GLOBAL WIDTH .667)
 CALLOUT	

NOTE:

1. ALL FITTINGS AND VALVES SHALL IDENTIFY FLANGE AND/OR MECHANICAL JOINT FITTINGS ON BOTH THE SYMBOL DRAWING AND THE PLANSHEET TEXT CALL OUT. ALL VALVES SHALL BE IDENTIFIED BY TYPE.
2. ALL EXISTING INFRASTRUCTURE SHALL BE FADED BACK.
3. ALL PROPOSED INFRASTRUCTURE SHALL BE BOLD.