WATER UTILITY
PROJECT FINAL INSPECTION CHECKLIST

FINAL INSPECTION GUIDELINES

Prior to scheduling a final inspection for the water system infrastructure, the Contractor shall refer to the following checklist to ensure that the work is complete and built to the approved engineered plans and District standards.

Please note that while this is a comprehensive list of requirements, the District Inspector may include work in the punchlist that is not specifically referenced in this checklist.

FINAL INSPECTION PROCEDURES

The Contractor will call the District Inspector at 425-397-3069 or 425-239-0794 a minimum of two business days in advance to request a final inspection. The Contractor and project Engineer of Record must attend the final inspection. The results of the inspection will be sent to the Contractor and the District Engineer within two working days after the inspection in the form of an itemized punchlist.

After the punchlist items have been addressed, the Contractor will call the District Inspector a minimum of two business days in advance to request a final inspection. The Contractor must attend the final re-inspection. When the District Inspector has confirmed that the punchlist work and documentation are complete, they will notify the District Senior Water Liaison and the Contractor that project As-Built construction drawings may be submitted to the District for review and comment. The Contractor redline construction drawings shall accompany the As-Built drawing submittal.

If you have any questions regarding the checklist or inspection procedures, please contact the District Senior Water Liaison at (425) 397-3016.

FINAL PROJECT APPROVAL

The District Engineer will issue final approval of the project when the following items are complete:

1. The District Inspector has approved a final inspection of the project confirming that all water system infrastructure was constructed per the approved construction drawings and District Standards.
2. The District has received one set of 22x34 Mylar approved As-Built drawings and an electronic CAD file created in AutoCAD current release.
3. All associated fees have been paid and all agreements have been executed and all easements have been approved and recorded with the Snohomish County Auditor.

WATER INFRASTRUCTURE FINAL INSPECTION CHECKLIST

The Contractor shall complete the following applicable project punchlist items prior to calling the District Inspector for a final inspection:

WATER MAIN

- ☐ All water main is installed per the approved construction plans and District Standards.
- ☐ All trench compaction test reports are submitted to the District.
- ☐ All pressure and purity testing is complete and approved per the District Standards.
- ☐ All Contractor construction photos and redline drawings are submitted to the District.

WATER VALVE CASING

- ☐ All water valves are documented and verified on the Contractor's redline construction drawings.
- ☐ All water valve casings, including hydrant valve casings, are cleaned and vacuumed with all debris removed.
- ☐ All valve casings, including hydrant valve casings, are adjusted to final grade.
- ☐ All valves deeper that 4-feet have operating nut extensions installed.
- ☐ All valve casing covers are installed with the cover notches positioned in the direction of water flow.
- ☐ All valve casing covers are free of debris, asphalt and concrete and are easily accessible to maintenance crews.

FIRE HYDRANTS

- ☐ All fire hydrant locations are documented and verified on the Contractor's redline construction drawings.
- ☐ All fire hydrants are equipped with the appropriate size Stortz Adapter per District Standard Detail 201.
- ☐ All hydrants are painted Safety-Yellow with the appropriate painted bonnet color per District Standard Detail 201.
- ☐ All hydrants are installed 2" – 4" above finished grade for breakaway requirements.
- ☐ A minimum of 36" clearance is preserved for access around the hydrant.
- ☐ All concrete hydrant pads are installed per District Standard Detail 201 and measure 36" x 36" x 8" with broom finish.

- [ ] All hydrants are flushed. Contact the District Inspector to arrange hydrant flushing.
- [ ] Pressure and purity testing are complete, approved, and all testing documentation is submitted to the District.
- [ ] An approved fire flow test for the new water system infrastructure has been completed. Contact the District Inspector to arrange a fire flow test.

WATER METER BOXES

- [ ] All water meter box locations are verified and documented on the Contractor's redline construction drawings.
- [ ] All water meter boxes are installed to finished grade per District Standard Detail 101.
- [ ] All water meter boxes are clean and free of debris, asphalt and concrete and are easily accessible to maintenance crews.
- [ ] All meter boxes are bedded in 5/8" crushed rock or sand a minimum of 12" in width and 24" in depth per Standard Detail 101.
- [ ] Separation between the top of the meter box and the ball angle meter stop is 11" as shown in Standard Detail 101.
- [ ] All meter reading lids are installed per Standard Detail 101.

COMBINATION AIR/VACUUM RELEASE VALVE ASSEMBLY

- [ ] All combination air/vacuum release valve assembly locations are verified and documented on the Contractor's redline construction drawings.
- [ ] All combination air/vacuum release valve assemblies are installed per District Standards.
- [ ] Boxes are set to finished grade and bedded in 5/8" crushed rock or sand a minimum of 12" in width and 24" in depth per District Standard Detail 401.
- [ ] The interior vault is backfilled the valve bonnet per District Standard Detail 401.
- [ ] All concrete pads are installed per District Standard Detail 404.

BLOW-OFF ASSEMBLY

- [ ] All blow-off assembly locations are verified and documented on the Contractor's redline construction drawings.
- [ ] All blow-off assemblies are clean and caps are accessible for maintenance crews.

PRESSURE REDUCING VALVE ASSEMBLY (PRV)

- ☐ All PRV assembly locations are verified and documented on the Contractor's redline construction drawings.
- ☐ PRV and associated vault are installed per District Standards.
- ☐ PRV operating limits are set per District requirements.
- ☐ PRV has been tested by an approved tester licensed in the State of Washington with approved testing documentation delivered to the District.
- ☐ All Manufacturer's specifications and warranties are delivered to the District.
- ☐ All vault penetrations are sealed per District Standards.
- ☐ Vault drainage system is installed and functional.
- ☐ Vault ladder is installed per District Standards.