EAGLE RIVER
WATER & SANITATION
DISTRICT

FORM B1 - Requirements Checklist for New Service Line Inspection

Failure to meet these requirements may be subject to a $200 reinspection fee.

1. The trench shall be adequately benched or shored, and the safety of workers provided for as required by the most recent standards adopted by OSHA. The District inspector reserves the right to refuse to inspect if all applicable OSHA standards are not met or if they feel unsafe in any way. ☐

2. All pipe material, fittings, and appurtenances shall comply with the material specifications listed in Eagle River Water & Sanitation District Rules & Regulations-Appendix B. ☐

3. New taps on existing mains are made by District personnel. ☐

4. Taps must be a minimum of 18” apart and at least 18” from the nearest bell and spigot joint. ☐

5. Water Service Lines shall be buried a minimum of seven (7) feet and a maximum of nine and a half (9.5) feet below the ground surface. If minimum bury depth cannot be achieved, insulation is required per Appendix B, Section 2.5.1. Cover of less than 7 feet shall only be allowed with written approval from the District prior to construction. ☐

6. Wastewater Service Lines shall be buried a minimum of four feet six inches (4’ 6”) below the ground surface. If minimum bury depth cannot be achieved, insulation is required per Appendix B, Section 3.4.1. Cover of less than 4.5 feet shall only be allowed with written approval from the District prior to construction. A depth of bury greater than fourteen (14) feet requires the approval of the District and may require a change of materials. ☐

7. Gravity wastewater service lines shall be installed at a constant grade of not less than one quarter (¼) inch per foot, or 2%, with a minimum of bends and no glue joints outside of the structure served. ☐

8. Clean Outs should be installed every 100 feet, at every change of direction equal to or greater than 45 degrees, and a maximum of three (3) feet from the face of the building. Clean Outs are not to be in a ROW. ☐

9. The Curb Stop shall be located a maximum of one (1) foot within the property line or edge of easement and shall be easily accessible to District personnel. Refer to curb stop detail B-01 for services less than or equal to 2” and B-02 for services greater than or equal to 4”. ☐

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10. At least ten (10) feet of horizontal separation must be maintained between parallel Water and Wastewater Service Lines. District authorization must be obtained to install Water and Wastewater Service Lines with less than ten (10) feet of horizontal separation. Water and Wastewater Service Lines shall not cross. In cases where it is not practical to maintain a ten-foot (10') separation, refer to Appendix B, Section 2.3. and 3.3. ☐

11. The trench shall be excavated so that a minimum clearance of six inches (6") shall be maintained on each side of the pipe for proper placement and compaction of the bedding or backfill material. ☐

12. Bedding material shall consist of uniformly graded granular material, 3/8-inch or ¾-inch minus screened rock material, laid six (6) inches below and twelve (12) inches above the service pipe. ☐

13. Tracer wire on is required on all water service lines and shall be #12 AWG 0.1019" diameter copper conductor or copper clad steel insulated with a 30 mil, high-density, high molecular weight polyethylene (HDPE) insulation, blue in color, and rated for direct burial use at 30 volts. Service line tracer wire shall be connected to mainline tracer wire using approved splice connectors. If no mainline tracer wire is present, a grounding anode will be installed beneath the tapping saddle. Tracer wire shall be spliced at the curb stop, and an anode, with separate anode lead wire, installed at that location. An at-grade tracer wire access box shall be installed adjacent to the curb box. The service line tracer shall then follow the service line and terminate at a grounding anode adjacent to the structure served.

    Tracer wire is required on all wastewater services and shall be #12 AWG 0.1019" diameter copper conductor or copper clad steel insulated with a 30 mil, high-density, high molecular weight polyethylene (HDPE) insulation, green in color, and rated for direct burial use at 30 volts. Wastewater service line tracer wire shall be connected to mainline tracer wire using approved splice connections. If no mainline tracer wire is present, a grounding anode will be installed beneath the wastewater service line tap location. Tracer wire shall follow the service line (secured with tape) and shall terminate in an at-grade tracer wire access box located adjacent to the cleanout closest to the structure being served. A grounding anode shall be installed beneath the cleanout wye and a separate anode lead wire shall be installed from the anode to the tracer wire access box. *Please refer to Appendix E for all tracer wire requirements.* ☐

14. Underground Warning Tape shall be installed twenty-four inches (24") above all buried portions of services. The tape shall meet the following requirements: Five (5) mil thick Polyethylene tape, solid green (wastewater) or blue in color (water), respectively, with black lettering, six (6) inches in width. ☐

15. No Services shall be covered with bedding material or backfill without the District Inspector's approval. All portions of the Service must be visible to the District Inspector for an inspection to be completed. ☐

16. If a Stub Out pre-exists on a property and will not be utilized by the Customer, the Stub Out must be abandoned by the Customer pursuant to Appendix B. ☐

This requirements checklist does not include all specifications related to water and wastewater service connections. A complete description of the requirements for new service connections can be found in the Rules & Regulations at www.erwsd.org