

**TOWNSHIP OF STANFORD
COMMUNITY SEWAGE TREATMENT SYSTEM
STANDARDS AND POLICIES**

APPENDIX B: COMMUNITY SEWAGE TREATMENT SYSTEM (CSTS) STANDARDS AND POLICIES

The following is a summarized listing of the Community Sewage Treatment System (CSTS) standards and policies that are required to be complied with for all new community wastewater systems. These items are the major issues that should be included in designs for Township review. It is the intent of the Township to address other issues during the design review phase.

CSTS Standards and Policies:

1. Secondary disposal sites shall be included in all designs in accordance with Minnesota Rules 7080.
2. Permanent fencing or MPCA approved screening shall be provided around the CSTS system, including the primary and secondary disposal systems.
3. All designs shall incorporate the submittal requirements of the Minnesota Pollution Control Agency (MPCA) and Isanti County permits. It is the developer's responsibility to address these requirements before the Township takes over ownership.
4. Access roads shall be provided up to all CSTS tanks for solids pumping. Access roads shall be designed and constructed for heavy equipment access (i.e. septic tank pumping trucks).
5. All pumps exceeding 1HP shall be equipped with guide rail support systems. Pumps shall be provided with a stainless steel lifting chain or eye hole at the top of the pump casing.
6. Operation and Maintenance Manuals shall be provided by the design engineer. Three copies shall be provided to the Township.
7. As-built drawings shall be provided for all collection, treatment and disposal system components. The as-builts shall be provided on AutoCad and delivered to the Township in electronic files and 3 hardcopies.
8. Equipment submittals shall be provided to the Township. All submittals shall include the make, model or specification of the approved component.
9. Any proposed change orders shall be reviewed and approved by the Township prior to work being commenced.
10. Tracer wire shall be provided on all collection, treatment and disposal system piping. The wire shall be #10 or #12 copper insulated solid steel core with 30 mil HDPE insulation rated for underground service and shall be functional for locators after installation. Tracer wire shall be brought to the surface in an irrigation control box and the locations shall be marked on the as-built drawings.

11. The Township along with the design engineer will determine when a project meets substantial completion. An inspection shall be scheduled with the Township. If the Township passes the inspection, a certificate of substantial completion shall be issued to the Contractor on a form provided by the Township. After the Town Board approves the action, the warranty period begins.
12. Final completion shall be completed within 45 days of substantial completion, unless an extension is granted in writing by the Township.
13. Warranty periods shall occur for a period of two years from the date of substantial completion as long as final completion is completed on time. If final completion occurs later than 45 days after substantial completion and an extension is not granted by the Township, the warranty period will begin when final completion is certified by the Township.
14. The design engineer shall provide detailed cost numbers for budgetary purposes after bids are secured and after construction is complete. All cost numbers shall be broken down in cost by assets. Lump sum amounts for the system are not acceptable.
15. All collection system lines and forcemains shall be pressure tested by a procedure determined by the design engineer and Township engineer. Documentation of the pressure test shall be provided by the design engineer to the Township.
16. All equipment on private property shall be reviewed and approved by the Township prior to installation.
17. All septic tanks shall be vacuum tested after placement. A representative of the Township shall certify the results of the test.
18. The design engineer or designated representative shall perform observation during construction. Township staff will also perform periodic observation.
19. All pipes shall have 8 feet of cover or be designed with adequate insulation.
20. Piping diagrams of the treatment and disposal systems shall be laminated and mounted inside the control panel inner door prior to start-up. All piping shall be labeled or color coded (and matched to the drawing) to assist the operator in determining the location of the lines.
21. All electrical diagrams at the centralized treatment site shall be laminated and mounted inside the outer door of the control panel.