

Six-inch observation ports will be installed after each of the nine septic tank installations. These will serve as diagnostic tools for determining if a given collection system is contributing abnormal or high flows into the effluent collection system. This may point to high flows from given lots, or leakage into the old sanitary sewers.

The central dosing tank will consist of a 3,000-gallon tank with three (3) sewage pumps. The same model of pump will be used to dose the three proposed absorption field areas, at a pumping rate ranging from 97 GPM at 38 feet TDH to 120 GPM at 31 feet TDH. A dose volume of 1,500 gallons will be pumped per cycle, with no drainback (force mains will be buried 60" to prevent freezing). The station will include guide rail systems, an audiovisual alarm, a triplex controller that will sequence the pumps 1-2-3, and all other appurtenances for a complete and watertight installation.

The absorption field has of six (6) sections, each consisting of 3,000 square feet of trench area (1,000 lineal feet). The sections will be dosed in pairs, connected together as detailed on the approved plans, thus 6,000 square feet of field will be dosed per pump cycle. Three (3) 3-inch force mains of approximately 571, 704 and 816 feet in length will connect the pumps to the absorption field pairs. A short length of 2-inch manifold pipe located at the end of each force main will split the dose evenly between paired sections. An air release valve structure will be located at the high point in the force mains.

Monitoring wells will be provided in each of the 60 trenches to allow for visual observation of the trench dosing and ponding levels. The entire absorption field will be amended, seeded and mulched to establish vegetative cover per instructions on page 7 of the approved plans.

The system is designed for a peak wastewater load of 9,000 gallons per day (GPD).

This approval letter shall act as your construction permit. *This permit shall be void if construction is not begun before August 1, 2010, and completed by November 1, 2010.* Approval of this project is conditional and subject to the following conditions:

1. That all necessary local permits and approvals be obtained before construction begins. Most county health departments require that a sewage disposal permit be obtained before construction may begin. The sanitary features of this project must comply with any additional local health department requirements.
2. That the existing septic tanks be pumped by a licensed wastewater hauler prior to abandonment. Where possible, the new tank or tanks shall be set prior to removal of the old tank to minimize downtime to park residents.
3. That the certifying architect or his representative inspect the construction to insure completion in substantial compliance with the approved plans. This includes materials used, tanks, sewers, and absorption field layout. Further