

Innovative Wastewater Disposal at Ted Williams Park

The Commonwealth of Massachusetts

The Horsley Witten Group, Inc. (HW) completed design plans for an on-site wastewater system and drip irrigation disposal systems for a soon-to-be renovated Commissary Building at the Ted Williams Park ball field complex in Lakeville, Massachusetts. This system allows disposal of the treated effluent within the top 8-12 inches of the soil horizon so that it can meet Title 5 requirements for depth to seasonal high groundwater.

The current system is undersized and out of compliance. HW coordinated with the manufacturer to confirm that the system can also be used under athletic fields or other open areas that will not be significantly impacted, nor will it impact the field playing conditions, making it appropriate for use in the outfields of the baseball facility, if needed.

In developing this design, we worked with the Town Health agent, the Parks Commission Chairman, and a Selectman to obtain an understanding of future uses of the building in order to estimate flows and inspect the existing plumbing in the current building as needed. We performed a site survey and test pits, as well as two sets of percolation tests using a double ring infiltrometer for the purposes of estimating infiltration capacity at various soil depths.

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