

Elysium Residential/Commercial Condominium

David Venhuizen planned and designed this collective wastewater system to serve 5 houses and 2 small commercial buildings. One of the commercial buildings is a realtor's office and the other is an organic cookie bakery and small bistro. Primary septic tanks were installed to intercept the raw wastewater flow from the building, and the effluent out of these tanks is transported to the treatment center in 2-inch effluent gravity sewers. The treatment center employs a high performance biofiltration (recirculating gravel filter) system, to provide a consistently high quality effluent and cope with the varying flows, due to intermittent occupancy of the houses and the variable operating schedule of the bakery and bistro. The reclaimed water is distributed to four different areas around the property, irrigating grounds beautification and a garden area.



Treatment Center with Drip Field Surrounding It



Driveway Island Area of Drip Field, During and After Installation