

## Case Study: *Modern Home in River Floodplain*

A Monterey County home remodel project required a septic upgrade because of fast percolating soils and its location within the Carmel River floodplain.

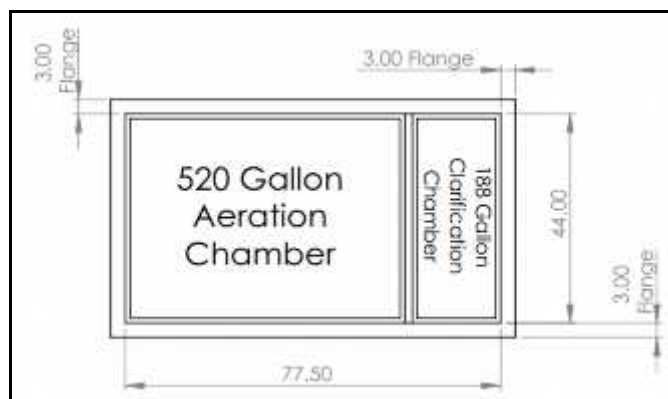
The 17,000 sq ft property features a sandy, gravelly soil type with high permeability and an unknown water table.



The designer recommended adding AquaKlear treatment (**AK500F**) after the existing, good condition 1500 gallon septic tank, with gravity dispersal to a 1080 sf rock trench leach field.



*AK500F during installation*



*Overhead view of AK500F*

The entire system is operated by the easy-to-use AquaKlear controller & monitored by the RMSYS Onsite Monitoring Program



*AquaKlear equipment*

### SYSTEM PROFILE:

<b>Location:</b>	Monterey County, California
<b>Property Type:</b>	Single Family Residence
<b>Design Flow:</b>	200 gpd
<b>Soil Type:</b>	Sandy gravel (1-5 mpi)
<b>Property Size:</b>	Apx 17,000 sq ft
<b>Property Concerns:</b>	Floodplain, fast percolation
<b>AquaKlear Solution:</b>	Model AK500FF with pretreatment tank dispersing to gravity leach field
<b>Designer:</b>	Ken Mabie, REHS #3579 Environmental Concepts, Aptos
<b>Installer:</b>	John Schaffer Company, Carmel Valley CSLB #350505