

CASE STUDY STORMWATER MANAGEMENT

AQUASAVE®

SAN DIEGO, CA RAIN WATER HARVESTING



California Filtration Specialists has partnered with Whitson CM to design, plan, and install a 16,200 gal rain water harvest system in San Diego, CA. Due to drought conditions, use of domestic water for irrigation purposes is being restricted. This homeowner, concerned for the health of his numerous oak trees on this property, decided to install an AquaSave system in-lieu of traditional underground tanks. The AquaSave system was less expensive than a tank system; this combined WCM's and CFS's expertise, the decision was easy.

Our team partnered with MacDannald Pump Systems to design a pump system that would provide adequate pressure and volume for the irrigation system that had significant gains in elevation. This system also incorporated a CalSense irrigation controller and electronic float systems to ensure water was available at all times.

Originally, the property owner planned on installing a system that would contain approximately 15,000 gallons but because of the flexibility and modular properties of the R-Tank storage cells, increasing the tank size was simple and affordable. The owner is so happy with the system and its affordability, they are planning on installing another similar sized tank in the near future.

CLIENT NAME:
S. Residence

PROJECT REFERENCE:
Mark Twohey

YEAR:
2018

PROJECT SIZE:
16,200 Gallons

BENEFITS OF
AQUASAVE:



All water runoff from a property can be collected for reuse in landscape irrigation. Water from roof drains; hardscape/landscape drains; and even AC condensation is filtered and then flows in to the AquaSave system. The tank is constructed with R-Tank modules, which can be placed underground in any configuration, even under driveways, to store the water.

Pump systems are designed specific to each property, its size, and topography, and then connected to the irrigation system. A single January storm filled this homeowner's tank. Landscaping can be maintained despite local water restrictions. Aquasave is also a valuable resource for fire prevention.



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