

# THE GRASS IS ALWAYS GREENER

## Eden Excel Filter Vessels - Case Study

### THE SITUATION

Midland Country Club is a private country club founded in 1927. MCC offers an 18-hole championship golf course, 9-hole par 3 course and full set of social amenities. A reverse osmosis (RO) plant using Eden Excel pre-filters was installed on site to pre-treat the well water that maintains the grass and golf course greens. Wells are the only source of water in this region and are notoriously saline. Grass can often survive despite this in warmer weather; however, it struggles during cooler weather.

A second RO plant was constructed on site using a stainless-steel vessel from another supplier. Steel vessels inevitably corrode when in contact with salt, even when coated. After just several years of operation the newer treatment system utilizing coated steel had failed. The vessel material and manufacturer led to significant problems, along with vastly increased maintenance costs. Eden vessel's FRP (fiberglass reinforced plastic) material will resist the wear and tear that occurs when other materials interact with brackish water.

### THE SOLUTION

For many country clubs, water rights are a critical challenge forcing many well treatment facilities to innovate in groundwater recovery and onsite well treatment, now a necessity in Central Texas. Well water passes through the Eden Excel vessel removing salt, sediment, scale, biofilms and other particulates that may damage downstream equipment. Eden Excel pre-filters protect the expensive pumps and ensure they operate with maximum efficiency, while also resulting in lower processing costs per gallon and significantly increased water quality that keeps the property looking its best year-round.

Eden vessels require no specialized tools or expertise to open, change the filters or perform routine maintenance: reducing maintenance costs and minimizing the time the system is down for filter cleaning and changeouts. The previously installed Eden vessel, which has been in service for years, has never needed to be repaired. Eden Excel vessels are designed for 25-year useful life and FRP continues to resist the wear and tear that occurs with salt interaction. For these reasons, MCC choose to replace the failing steel filter vessel with a second Eden FRP filter vessel.

### RESULTS

Although the decision to purchase the steel vessel was based on cost, this decision incurred significantly more expenses due to multiple repairs over the short life of the steel vessel. The grounds manager of MCC chose to replace it with an Eden Excel vessel before the upcoming busy season.

Country clubs like MCC are luxury destinations that pride themselves on the amenities and immaculate grounds they offer members. System designers and grounds managers working at these properties view filtration systems as a long-term investment in sustainability. Eden Excel vessels are the gold standard for prefiltration and desalination, which ensures the club's most critical process used to maintain its most valuable asset will run efficiently and unimpaired for years to come, delivering better performance and reducing overall cost.

