

Schreiner University Men's Soccer Field | Kerville, TX



IRRIGATION CONTRACTOR:

Zack Derese, - Kerville Landscaping

"Schreiners soccer field was literally a "ground-breaking" project, as we had no data from any sites where the SDI was buried 8" deep. However, the project turned out to perform very well. It took some fine tuning to determine what run times would sufficiently saturate our zones. Once that was dialed in, the turf was quickly re-established and looked great before going dormant for the winter."

COMPLETION DATE:

August, 2013

RAIN BIRD SALESPERSON:

Jeffrey Walls - Landscape Drip Product Sales Manager

RAIN BIRD PRODUCTS:

- XFS Sub-Surface Dripline with Copper Shield Technology™
- Rain Bird Valves
- Rain Bird Filters
- Rain Bird Controller

Project Overview

Conversion of existing over-head rotor irrigation system to sub-surface drip irrigation at the Men's/Women's Soccer Field located at Schreiner University. 48,000 l.f of XFS-09-12 was installed. There were twenty-four (24) zones, each zone had 2,000 l.f. installed. Reasons for converting: (1) Water Savings, (2) Maintenance Costs, (3) Player Safety

Challenge & Solution

"I originally expected a 1 month project but underestimated the work needed. The difference between burying the drip tubing 8" deep instead of 4" deep is not twice as much work, it is TEN TIMES more work. Instead of a narrow (4.5" by 1") trench, we had to trench the whole field with a regular trencher (4" by 12" trenches); which meant the whole field was torn up and we had much more surface damage than we anticipated. It took 2 months, 180+ yards of sand, and the help of Texas Multi-Chem to get the field back to a playable surface. Our next project like this will definitely take all this into consideration and be part of the bid. The owners may even consider re-sodding at that time unless they have very well established turf grass.

Schreiner had Tifway 419 Bermuda with roots down 6-10"; although the playing surface was un-level and required some top dressing after the installation of the drip line, the grass quickly responded to fertilizing and watering. Within 30 days it was solid green, and within another 30 days was a playable surface. Knowing what to expect now, I believe we could do an identical project in 2 months or less."

-Zack Derese