

Project

Russell Heinrich

Multi-Zone Irrigation
System



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| Project Name | Russell Heinrich |
| Country | Texas, USA. |
| General Description | <p>New installation 60acre, SDI system designed and installed by American Industries, a very loyal Bermad dealer. They primarily used disc filters (Netafim), but always Bermad valves and controls. With this system, the customer wanted Sand Media, so Bermad was able to provide the Hydro-cyclone and media filter.</p> <p>Specifics: 80 Acres / Open field / Cotton / Sub-surface drip / Water source is private well with a submersible pump & 15hp Booster pump / Inlet pressure: 40PSI (max).</p> <p>Irrigation: Multi zone system / 4 zones sets @ 120GPM per zone / Rolling Program in groups (turn off one valve and turn on the next in sequence).</p> |
| Installation Date | 2017 |
| BERMAD Solution | Bermad 2x48" Sand media filter / (1) 6" Hydro-Cyclone / 6" 100series 130-59 N.O. Pressure sustaining valve / 2L 110-1DS control valves / BIC1000 controller w/ 16 out Uniliner / Turbo-Bar Meter. |
| Project Story | <p>Majority of the systems in West Texas are broken up into multiple small zones that are run in groups in the irrigation sequence. This is due to the lack of water in the area and that the water table drops throughout the season due to high pumping volume. Having multiple small zones allows the customer to change the watering schedule by changing the number of valves running together in a group based off the available water.</p> <p>The filtration for these projects will, 90% of the time, have a single large Hydro-cyclone, or bank of 2-4 3" Hydro-cyclone (because of the amount of sand that the wells pump) in conjunction with either Disc filters or Sand media. Screen filters are not used in this area because of past "Bad" experiences with spin kleen filters.</p> |