

Golf Course Irrigation Design

The Grangeville Country Club Board of Directors would like to have University of Idaho students design an irrigation system for the Grangeville Country Club Golf Course in Grangeville, Idaho. The irrigation system on the golf course is over 50 years old and its useful design life is over. The current system does not provide adequate amounts and placement of water on the course. Late summer temperatures and lack of precipitation usually lead to severe drying and brown spots on the turf, both unbecoming aesthetically and potentially harmful to turf maintenance. The redesign needs detailed input on pipe placement, pipe sizing, water and storage requirements, pump requirements, water flow, precipitation rates, soil analysis, computer software, and analysis of new control technologies that could potentially reduce construction and management costs. As an end product, the Board would like design documents that could be used in construction of the system. The Board would also use these documents to aid in procurement of government grants for construction.

The Grangeville Country Club will be willing to work closely with the students to provide information needed to conduct the project. Contact for the project is Greg Stone, Course Superintendent at gstone@mtida.net.