

Client:

Dick Anderson Construction

Location:

Stillwater, MT

Completed:

Summer 2018

SERVICES PROVIDED

- Surveying & Mapping
- Site Access Road Design
- Floodplain Analysis
- Hydrologic and Hydraulic Analysis
- Spill Prevention, Control, and Countermeasure (SPCC) Planning
- As-Built Survey and Plan Preparation

Markets

- Energy
 - Wind
- Industrial & Commercial

THE PROJECT

Dick Anderson Construction was the general contractor selected by the Owner to provide construction services for the Stillwater Wind Project; an 80 MW producing facility requiring 12 miles of road construction, 1,240 tons of rebar, consisting of 31 turbines. To comply with the Owner's, manufacturers, and regulatory agency requirements, Dick Anderson Construction selected WWC Engineering to assist in the preparation of design drawings and analysis of project components, including potential floodplain impacts, SPCC, and turbine component mobilization to the Site.

**HIGHLIGHTS**

- Analysis of wind turbine locations in relation to floodplain elevations of nearby drainages
- Access road design including turbine component delivery requirements and turning movements, hydrology and hydraulics of surrounding area for culvert sizing, construction road cross sections and reclaimed cross sections
- SPCC analysis and preparation for proposed Site
- Survey of constructed turbine generator locations and access roads
- Preparation of as-built drawings and coordinates for turbine generator locations