

Erie Substation Expansion

Weld County, Colorado



Client

Tri-State Generation & Transmission Association, Inc.

Scope of Services

ALTA/ACSM Land Title Survey

Mapping & Topographic Survey

Subdivision Exemption Plat

Supplemental Topographic Surveys

Underground Utilities Survey

Site/Grading Plan

Drainage Report

Storm Water Management Plan

Survey Control for Construction Staking

As-built Survey

Project Duration

2008-2009



With continued population growth in the communities north of the Denver Metropolitan area, Tri-State Generation & Transmission Association (Tri-State) needed to address the ever-increasing demand for electrical power in northern Colorado. To help meet demand in the area, Tri-State

identified improvements that could be made to the existing Erie Substation in unincorporated Weld County.

Tri-State contracted with Manhard Consulting to provide surveying and engineering services for the 55-acre site. Expansion development was complicated by the existence of oil and gas drilling rights within defined areas on the site for potential future drilling. The expansion plan required the acquisition of adjacent property to accommodate a proposed 230kV yard. A fast track subdivision process known as a "Subdivision Exemption" was utilized to accelerate the project through review and approval with the Weld County government.

In support of Tri-State's plan, Manhard provided the following services:

- Base mapping and topographic survey, including improvements
- Underground utilities survey
- ALTA/ACSM Land Title Survey for the property to be acquired
- Preparation of the Subdivision Exemption Plat & support through the County process
- A supplemental detail topographic survey of the planned 230kV yard area
- Preparation of the grading plan & support through the County process
- Preparation of a preliminary and final drainage report
- Preparation of the storm water management plan
- Establish and set construction control for the contractor
- As-built of the site after construction