



Wastewater Engineering: Sewer and Local Improvement Districts

- ISDS Experience
- Coordination With Homeowners
- Onlot Service Design
- Conventional and Alternative Systems

WEI has performed the design for many sewer and local improvement districts. Projects included lift station design and abandonments and involvement with various state and federal agencies. Two projects alone, completed over an 8 month period by WEI, involved 57,529 feet of sewer line, 448 complete sewer service designs, with 10,000 feet of service trench, the abandonment of three lift stations and the design of two new lift stations, 4,402 feet of force main, 570 plan and profile sheets, and extensive coordination with 435 property owners.

Selected Projects

Skyway Sewer Improvement District, Mesa County, CO

Design of 36659 lineal feet of sewerline, 238 services and 5500 lineal feet of service trench, abandonment of two lift stations and design of a larger lift station, 320' directional bores, and related work to service an area that was on septic systems. The plan set included 297 plan and profile sheets, and extensive coordination with 225 property owners.

Redlands Village North Sewer Improvement District, Grand Jct., CO

Design 20,870 lineal feet of sewerline, 210 services with 4500 lineal feet of service trench, abandonment of one lift station and design of a larger lift station, 4402 LF force main, and related work to service an area that was on septic systems. The plan set included 273 plan and profile sheets, and extensive coordination with 210 property owners.



Northfield #2 Glen Caro Sewer Improvement District, Grand Jct., CO

Designed 10,351 lineal feet of gravity sewerline, 54 services with 2275 lineal feet of service trench, 42 manholes, and related work. The plan set included 72 plan and profile sheets, and extensive coordination with 55 property owners.

Columbine Sewer Improvement District, Mesa County, CO

Designed 9,729 lineal feet of gravity sewerline, with 66 services, 2572 lineal feet of service trench, 33 manholes, and related work. The plan set included 83 plan and profile sheets, and extensive coordination with 66 property owners.



Northfield Estates Trunkline Sewer and Improvement District, Grand Jct., CO

Designed sanitary sewer extension with services to provide centralized sewer service to property owners of a subdivision.

Dressel Drive & Country Club Park Sewer District, Grand Jct. CO

Designed 10,061' sanitary sewer extension with services and 11 effluent pump stations to provide centralized sewer service to property owners of two subdivisions.

Rosevale Area Sewer Improvement District, Mesa County, CO

Designed 16,434' sanitary sewer, 112 services to lots on septic, and a lift station. High groundwater, flowable sands, and soupy clay lenses were special design considerations.

Mays Subdivision Sewer District, Grand Junction, CO

Designed 3338' sanitary sewer extension with services to provide centralized sewer service to 44 property owners.

