



Lander Water Supply Project
Lander, WY
Jetting and cleaning 16" transmission line



Wilson Sewer Project
Teton County, WY

HDPE sanitary sewer force main beneath Snake River



Teton Village Water & Sewer District
Transmission Main Project
Teton Village, WY



Ditch-to-Pipeline Conversion Project
Eden Valley Irrigation District, WY

When a community invests in a new transmission pipeline, be it for the transport of drinking water, storm water, sewage, irrigation, or raw water, it expects it to be designed and constructed to last.

Nelson Engineering has extensive experience in designing and overseeing the construction of pipelines. Our designs have been serving Wyoming communities since 1964 and include everything from an eight-mile long, 8-inch diameter ductile iron water supply main from Deer Creek to Glenrock, Wyoming, to ten-miles of 12-to-36-inch diameter PVC irrigation pipeline serving the Eden Valley Irrigation District in Farson, Wyoming, to a 2.5-mile long, 8-inch diameter HDPE sanitary sewer force main connected to a mile of 12-inch and 15-inch diameter PVC sanitary sewer gravity main serving the Wilson Sewer District in Teton County, Wyoming. Your project will benefit from our familiarity with both standard practices and cutting-edge materials and techniques. We consider more than just pipeline material and diameter. We also take into account pipe joint geometry and integrity, surge pressure resistance, wall thickness, corrosion resistance, bury depth, bedding material, backfill requirements, and construction techniques.

Often an owner must evaluate an existing pipeline to decide if replacement, repair, or rehabilitation is warranted. Nelson Engineering can assist with developing a scope of work and then conducting the investigation. This can include video inspection of pipe interiors, jetting and cleaning, or excavating pipe to ascertain corrosion damage. Flow and pressure testing can determine conveyance ability and pipeline integrity. Once the investigation is complete, we can assist you in determining the appropriate remedy.