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Gas Company of New Mexico (GCNM) contracted with Merrick & Company for the design and routing of approximately 70,000 feet of 24-inch natural gas pipeline. The pipeline is being installed parallel to the existing right-of-way for GCNM 20-inch mainline and 10-inch pipeline belonging to the Department of Energy (DOE). The right-of-way included a trench crossing of the Kutz Wash and a bore of the NAPI Canal.

The design included route survey and alignment drawings, detail drawings for three valve settings and crossovers, abandonment of the DOE line, and lowering/reburying of exposed sections of the 20-inch line. The project scope also included preparation of specifications including piping material, induction bending, welding and pipeline installation, calculating river weights and concrete coating requirements, hydrostatic test pressure and volume calculations, and preparing the construction bid package. All aspects of the project were designed to comply fully with DOT Part 192.

GCNM utilized Grade X70 pipe on this project. Assistance was provided on the metallurgical aspects of X70 pipe and its induction bending and welding.

