

## **Bull Creek Lift Station Gardner, Kansas**

**City of Gardner, Kansas**



This project involved the abandonment of the existing Bull Creek Wastewater Treatment Plant which was replaced with a new 5.7 MGD submersible pump station. Three submersible dry weather pumps were installed to convey dry-weather flows to another treatment plant. This station was designed to accommodate larger pumps that accommodate an ultimate dry-weather flow of 9.9 MGD. The design of the 24 ft. deep concrete structure with dual wet wells included provisions for the future addition of wet-weather pumps that will discharge to a 1.0 MG storage tank. The wet-weather flow will be stored in the tank and then released back to the wastewater wet well when peak wet weather flows subside. A channel grinder and associated concrete structure was added upstream of the pump station.

Also provided was design of 9,500 LF of 16-in. diameter PVC force main to connect the pump station to an existing treatment plant.



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