



Sanitary Sewer Study, Relining, and Replacement Project – Warm Spring, VA

- Field Reviewed 100 manholes and associated lines
- Examined WWTP flow data and correlated with rainfall
- Prepared bid package for replacing/relining approximately 7,100 lf of Towns wastewater collection system
- Included manhole rehabilitation/recoating
- Construction Administration



Same Manhole Before and After Rehabilitation

Sanitary Sewer Study and Relining Project – Mineral, VA

- GPS survey and condition review of approximately 100 manholes
- Prepared maps of system for town's future use
- Reviewed pump station flow data to help identify likely I/I entry points
- Prepared report with progressive, cost-effective approach to rehabilitation
- Prepared contract documents for re-lining 5,600 lf sanitary sewer in three areas of town
- Construction Administration