

WATERLINE IMPROVEMENTS

EXCELSIOR SPRINGS, MISSOURI



PROJECT DESCRIPTION

As part of the City's five-year bond program to improve water and wastewater systems, McClure provided survey, design, and construction-phase services to improve their water distribution system by replacing the existing waterlines. Replacement sections of the City involved in the project included Henrie Street and parts of the downtown area with approximately 9,365 linear feet of 6-inch and 8-inch PVC waterline and all associated appurtenances.

Phase one included the complete rehabilitation of Henrie Street between Kansas City Avenue and Maple Avenue. The main challenge for this task dealt with 130 feet of grade change within a 1,000-foot road length. Not only did this result in road grades ranging from about 11-14 percent, but it also brought challenges in capturing stormwater runoff before it reached the bottom of the hill at the intersection of Henrie Street and Kansas City Avenue.

PROJECT HIGHLIGHTS:

- Replaced 9,365 linear feet with 6-inch and 8-inch (PVC) waterline.
- East End waterline included 19,750 linear feet of 12-inch waterline and high service pump station with ground level storage tanks.
- Beverly Chute included 6,020 linear feet of 8-inch and 6-inch waterlines.
- 69 Highway included 6,500 linear feet of 16-inch waterline.

COMPLETION DATE

2017

REFERENCE

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