



SCOPE

- GIS Consulting Services
- GIS Data Report
- Geodatabase Design
- GPS Data Collection
- GIS Data Development
- GIS Project Administration

APPROACH

GPS locate and inspect 8,700 manholes for GIS program. GPS locate and map combined sewer overflows along Missouri River.

PROJECT CONTACT

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City of St. Joseph, MO
EXECUTIVE SUMMARY

Midland GIS Solutions has been contracted by the City of St. Joseph, MO to GPS field locate and inspect over 8,700 manholes. In addition to sanitary sewer manholes, combined sewer overflows (CSO's) along the Missouri River will be GPS located and mapped into the GIS program. The GPS field collection will acquire a survey grade horizontal (x,y) and vertical (z) position on each sanitary sewer manhole. Field attributes will be obtained by using Midland GIS Solutions' automated field collection software loaded on a field data collector.

Sanitary sewer attribute data to be collected includes the following: manhole ID, date located, manhole location, manhole construction, drop manhole, outside drop, steps (material), manhole depth, pipe inverts, size and material, condition rating, indication of filtration, evidence of surcharge, appearance of flow, and depth of flow. Upon completing the GPS field collection, the sanitary sewer and combination sewer data will be mapped into the City's GIS program and uploaded to the City's Web GIS site. www.stjosephmogis.com.