



TOWN OF PARADISE VALLEY

Locating Missing Manholes

November 13, 2025

PRESENTATION'S HIGHLIGHTS



MISSING MANHOLES

In October 2024, staff became aware of missing manholes that had not been located during the Town's sanitary sewer assessment completed in 2021.

In December 2024, staff received an updated report confirming that 129 manholes remain unaccounted for within the Town.



PREVIOUS LOCATING EFFORTS

- Staff conducted field search and successfully located 55 MH.
- Remaining MH required specialized equipment to locate.
- In May 2025, the Town retained Michael Baker International to conduct a more detailed search. The work was divided into two phases.
- Phase One utilized GPR and metal detectors to locate as many MH as possible. Concluded in June 2025, with 25 MH located.

* GPR = Ground Penetrating Radar



PROPOSED PHASE II

Phase Two
will employ
more
advanced
technologies
to locate the
remaining
49 missing
manholes.

Use robotic crawlers
with sonder & camera



Mark & expose found
manholes



Update manhole
locations in Town's GIS*

*GIS = Geographic Information System



PHOTOS OF TOOLS



Ground Penetrating
Radar (GPR)



Robotic Crawler

PROJECT'S COST VS BUDGET

7

The Town's FY26 CIP budget includes \$150,000 for Sanitary Sewer Assessment. The current estimated cost to complete this task is \$101,163.



PROJECT TIMELINE

Task	Date
Contract approval (*)	November 2025
Notice to proceed	December 2025
Anticipated start	January 2026
Estimated duration	60 days

(*) Council action



RECOMMENDED COUNCIL ACTION

Authorize Town Manager to execute contract No. CON-26-018-ENG with Michael Baker International in the amount not-to-exceed \$101,163.00 for phase II of Sanitary Sewer Manhole Locating Services.



Thank You

Questions?

