

# CORROSION DEFECT IDENTIFICATION

## Corrosion Assessment

- This component is for the gravity portion of the collection system and will be used to inspect and identify WCTS infrastructure that is either corroded or at risk of corrosion. The work will consist of the following:
  - Visually document condition of pipes and manholes where the release of hydrogen sulfide gas exists in turbulent locations in the system, such as at force main discharge locations and large diameter drop connections.
  - Collect photographs of pipes and manholes.
  - Use CCTV camera footage to identify defects and deterioration of pipes caused by corrosion in accordance with NASSCO PACP guidance.
  - Identify defects and deterioration of manholes caused by corrosion in accordance with NASSCO MACP guidance.
  - Conduct SONAR and Laser Profiling, on 18" diameter and larger pipes and/or pipes with larger flow volumes, on an as needed basis.
  - Record corrosion-related defect information in the PACP and MACP electronic databases, where applicable.
  - Use results for prioritizing how the City will manage and respond to defects found in the WCTS