

# SANITARY SEWER QUALITY ASSURANCE

## Hydrostatic Testing

- 1) Contractor shall perform hydrostatic pressure testing on all newly installed force mains.
- 2) Test pressure shall be 100 PSI or 150% of the normal pipe operating pressure, whichever is greater.
- 3) The duration of the leakage test shall not be less than 2 hours.
- 4) Leakage shall not exceed 9 gal/in of pipe diameter, per mile of pipe in 24 HR.

## Sewer Televising

- 1) Televising shall be performed on all newly installed or repaired gravity sewer lines 8" diameter and larger to assist in the evaluation of connections, alignment, grades and locations of service taps.
- 2) All recording shall be in focus, properly illuminated and have contrast sufficient for proper inspection.
- 3) The Contractor shall introduce enough water into the pipe to indicate bellies or sags in the line. This water shall be placed after the line has been cleaned, but prior to televising. Televising while cleaning shall not be permitted.
- 4) Televising of each line segment will begin and end in a manhole with a panning view of both manholes.
- 5) The Contractor shall supply to the Utility a copy of the video on a DVD or Flash Drive, and a completed operator report.
- 6) On screen text shall be input pointing out any items pertinent to the evaluation of the sewer line.

## Tracer Wire Continuity Testing

- 1) Contractor shall perform a continuity test on all newly installed tracer wires using a signal generator and an electronic pipe locator device.
- 2) Testing shall be conducted from all newly installed access points.
- 3) The test section shall pass if the signal can be continuously detected for the entire length.

City of Carmel Utilities Standard Details		Title: QUALITY ASSURANCE
Date: January 2016	Scale: Not To Scale	Drawing: CS 3
		Page 5