

## UTILITY RECORD DRAWING REQUIREMENTS

1. Record drawings shall be provided by the Contractor to Volusia County Utilities. The record drawings shall be signed and sealed by the engineer of record with the data provided by a Florida licensed surveyor. Record drawing information relative to all constructed utilities and structures shall include, but not be limited to, the following items:
  - a. Drawings shall depict actual location of all underground and above ground water, wastewater, and reclaimed water improvements and related appurtenances.
  - b. Drawings shall clearly depict all details not on the original contract drawings, but constructed in the field. The location of all equipment and piping relocation shall be accurately depicted to scale
  - c. The location of existing utilities where crossed or uncovered during the course of the work shall be depicted.
  - d. Dimensions between all manholes shall be field verified and depicted. The inverts and grade elevations of all lines entering and leaving manholes shall be depicted. Sewer laterals shall be accurately located and depicted.
  - e. The depth from finish grade to the top of potable water mains, reclaimed water mains and sewer force mains shall be indicated at all valve and fitting locations.
  - f. The record drawings shall consist of all sheets included in the construction plans.
2. The record drawings shall be submitted in the following format:
  - a. Five (5) sets of signed and sealed blue-line prints.
  - b. One (1) CD or DVD provided in AutoCAD 2004 (or later version) .dwg format and in Adobe PDF format. This data will be referenced by a minimum of three (3) coordinates in the Florida State Plane Coordinate System, East Zone in US Survey Feet. The horizontal datum is NAD83/(1990) HARN and the vertical datum is NAVD 88 Feet, in accordance with Florida Statutes, Chapter 177.151.