



WATER, WASTEWATER, & STORMWATER AS-BUILT SPECIFICATIONS

Rev: 6 | Revision Date: 10/01/2026 | I.D. Number: E-ENG-57

PURPOSE

To ensure that all digital as-built record drawings are prepared accurately, consistently, and in accordance with City standards for water, wastewater, and stormwater infrastructure. All horizontal data shall be submitted in the **NAD 83 State Plane Florida East FIPS 0901 (Feet)** coordinate system. All elevations shall reference **NAVD88**, and the benchmark used to establish vertical control will be provided.

AS-BUILT RECORD DRAWING CONTENTS

- Show elevations to the nearest hundredth of a foot for:
- **Top of pipe** for water mains, force mains, and reclaimed water mains at all vertical deflection points and every 200 feet along straight segments.
- For **new water mains**, provide finish grade elevation above the pipe, minimum horizontal clearance, and top/bottom of pipe elevations demonstrating proper clearance from parallel or crossing facilities, in accordance with **62-555.314 F.A.C.**
- For **new sewer mains**, provide finish grade elevation above the pipe, minimum horizontal clearance, and top/bottom of pipe elevations demonstrating proper clearance from water lines (parallel or crossing), in accordance with **62-604.400 F.A.C.**
- **Manhole rims, grate elevations, and flowline elevations** for inlets.
- **Invert elevations** for all pipe connections to manholes.
- **Lift station** top of slab, bottom of wet well, influent pipe invert, and control set points.

ADDITIONAL DRAWING REQUIREMENTS

- Clearly show sample points for water disinfection and ensure they correspond to the bacteriological report.
- Indicate the demarcation point between **City-owned** and **privately-owned** facilities.
- As-built information shall be **superimposed on the approved permit design drawings**, with actual field information shown alongside design data (design information shall be crossed or hatched out).



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CAD REQUIREMENTS

The CAD drawing shall include separate layers for new/adjusted, existing, and abandoned facilities, including:

- Water lines
- Valves
- Fire hydrants
- Water services
- Meters
- Gravity sewer lines
- Sanitary manholes
- Force mains
- Lift stations
- Sewer laterals
- Drainage lines
- Drainage structures

All CAD line work shall meet the following standards

- Line work shall be snapped to end features.
- Line work shall be continuous, starting at one feature and ending at another.
- Water and force main line work shall start and stop at fittings and remain continuous through pipe deflections, lateral connections, and service connections.
- Gravity and drainage line work shall start and stop at structures and be continuous through laterals. No duplicate lines may represent a single feature.

CAD Format

Submissions shall be provided in **AutoCAD/AutoCAD Civil 3D 2010 or later**. Please send via email or request link for upload and include all XREFs, image files, plot styles, and text styles