Spalding County Water Authority (SCWA)

GIS Standards and Specifications for Proposed Developments

Updated 11/12/2026

Purpose: This document provides customers with guidance on the GIS information required for proposed development projects. SCWA uses this data to incorporate proposed infrastructure into its GIS and support accurate modeling of potential impacts to the water and/or sewer system.

Additional Information: The items below represent typical minimum GIS submittal requirements. SCWA may request additional data, at its discretion, to support a thorough modeling and analysis process. Customers are encouraged to provide all relevant preliminary design information to help facilitate an efficient review.

Minimum GIS Data for Proposed Projects

- Water GIS data is required if SCWA is the water provider. Sewer GIS data is required if SCWA is the sewer provider.
- All assets must be provided in the NAD83 State Plane Coordinate System, Georgia West, US Survey Feet.
    - Where applicable, proposed elevations must be provided in NAVD88 (GEOID18), US Survey Feet.
- Delivery format should be an Esri File Geodatabase, compressed as a .zip file
    - Typical PDF overlay file should also be provided

Water GIS Data

- **Water Main** (Line)
    - Size (inches)
    - Material
- **Valve** (Point)
    - Size (inches)
    - Type
- **Fire Hydrant Assembly** (Point)
- **Water Storage Tank** (Point)
    - Top Elevation
    - Bottom Elevation
    - Diameter (feet)
    - Type
    - Material
    - Storage Capacity

Sewer GIS Data

- **Gravity Main** (Line)
    - Size (inches)
    - Material
- **Force Main** (Line)
    - Size (inches)
    - Material
- **Manhole** (Point)
    - In Invert
    - Out Invert
    - Top Elevation
    - Bottom Elevation
    - Inside Diameter

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