

As-built drawings are required at final inspection for private utility infrastructure installation and at initial acceptance for public infrastructure within the development project. If the development project includes only private utility and street construction, please submit only items #1 and #2. If public infrastructure is included in the scope of work for the project, please ensure all four items are included with the as-built submittal. Please, upload required items to your project in IDT.

**1. As-Built Drawing(s) in PDF format**

- Be sure to include line sizes and material for all water, sewer, and storm utilities
- Be sure to include Drainage facility details including grading and outlet structure details (if applicable). This also should include a “Pond Certification Letter” – [see example](#).
- Be sure to indicate which utilities are private. Everything else shall be assumed public

**2. As-Built AutoCAD Drawing File**

- Be sure to include line sizes and material for all water, sewer, and storm utilities
- Be sure that everything is to scale with accurate distances on pipe
- Ideally Georeferenced/Projected in *State Plane Colorado Central Zone, NAD83 Conus, US Survey feet, and NAVD88 Vertical (with GEOID Model Specified)*

**3. GIS File**

- **Horizontal Control:**
  - **TYPE:** *State Plane Coordinates (USFT)*
  - **BASIS:** *North American Datum (NAD)*
  - **DATUM:** *NAD83*
  - **STATE PLANE ZONE:** *Colorado Central Zone (502)*
- **Vertical Control:**
  - **TYPE:** *State Plane Coordinates (USFT)*
  - **BASIS:** *National Geodetic Reference 1<sup>st</sup> Order Mark*
  - **DATUM:** *NAVD 1988*
  - **GEOID Model:** *Geoid 09 Conus, Geoid 12A/B Conus*
- **GIS File Format:**
  - *ESRI ArcView 10.x Shapefile*
  - *Geodatabase utilizing ArcSDE 10.2 or .mdb (Microsoft Access Database)*

**4. Raw Survey Data**

- a. *Point, Northing, Easting, Elevation, Description [PNEZD]*

Additionally, please ensure that the following are included for PUBLIC utility and street construction:

- Center line and flow line profiles of roadways;
- Cross sections of roadway profile every 50 feet and at every intersection;
- Any permanent features located within the right-of-way, including utility pedestals/poles, light poles, traffic features, sidewalks, etc.;
- Any power utilities, fiber optics, underground utilities to support traffic signals or other apparatus with vertical and horizontal locations; and,
- Approved plan sheets shall be easily replicated with no duplicate layers or draft information, and should include any external reference files.



500 South 4th Avenue Brighton, CO 80601  
www.brightonco.gov 303.655.2059

## As-Built Drawings

Specifications for Submittal

<b>Submittal and General Questions to:</b>	<b>Questions for Utilities to:</b>	<b>Questions for Streets to:</b>
<b>Mary Hester</b> Development Coordinator City of Brighton 500 South 4 <sup>th</sup> Avenue Brighton, CO 80601 (303) 655-1229 <a href="mailto:mhester@brightonco.gov">mhester@brightonco.gov</a>	<b>Anthony DeSantis</b> Utilities GIS Coordinator (303) 655-1228 <a href="mailto:adesantis@brightonco.gov">adesantis@brightonco.gov</a>	<b>Christopher Montoya</b> Public Works Engineering Manager (303) 655-2037 <a href="mailto:cmontoya@brightonco.gov">cmontoya@brightonco.gov</a>