

As-built drawings are required at final inspection for private utility infrastructure installation and at construction acceptance for public infrastructure within the development project. Please upload the required items to your project in [IDT](#).

For all civil as-built submittals, please be sure to:

- Submit the full, DRC stamped and approved plan set. Do not omit any pages.
- Within the plan set, ensure that all field changes and any other deviations from the approved plans are called out via redlines and clouding that are easily visible.
- Include a record drawing statement with the engineer-of-record's stamp and signature on the cover page of the plan set. Example:

**AS-BUILT RECORD DRAWINGS
STATEMENT:**

THESE AS-BUILT CONSTRUCTION PLANS FOR PHASE 1 IMPROVEMENTS HAVE BEEN UPDATED FROM THE APPROVED SET BASED ON AS-CONSTRUCTED SURVEY DATA PROVIDED BY "AZTEC CONSULTANTS, INC." ON 6/30/2020. THESE AS-BUILT CONSTRUCTION PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION:



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.

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 1st 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.

Contact Information:

Submittal and General Questions to:	Questions for Utilities to:	Questions for Streets to:
<p>Mary Hester Development Coordinator 500 S. 4th Avenue Brighton, CO 80601 303-498-1229 mhester@brightonco.gov</p>	<p>Anthony DeSantis Utilities GIS Coordinator 303-655-1228 adesantis@brightonco.gov</p>	<p>Christopher Montoya Public Works Engineering Manager 303-655-2037 cmontoya@brightonco.gov</p>