

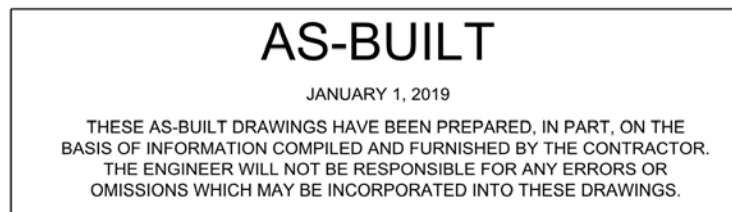
As-built Process and Checklist

Final as-builts must be received before a public facilities construction project can be closed out and unused deposits may be returned. Submittals must comply with the City's CAD Manual and be provided on the City's Title Block, which is available at www.greshamoregon.gov/eplan (public facilities tab). See the CAD Manual Checklist for plan requirements and recommendations. For projects that were not started using the City CAD template, which incorporates the City's CAD standards, Appendix A of the CAD Manual provides instructions for automating the layer conversion to the City's standards.

1. Request an as-built number from your City Development Engineering Specialist.
2. Add the as-built number plus page number (City Page Number) in ½ inch letters below the City logo in the bottom right hand corner of each sheet.

Example of numbering: 1st sheet: "NW0001AA", 2nd sheet: "NW0001AB", 27th sheet: "NW0001BA", 54th Sheet: "NW0001CB"

3. On each sheet, add the words "As built Drawing" as the last entry in the revision block along with the month, day, and year the as-built plan was prepared and include the as-built stamp, below, on each sheet with the correct date.



4. Submit Draft As-built plans (PDF) which adhere to the following:
 - Revisions to construction plans are approved by the Engineer of Record and re-stamped and resigned.
 - All changes are clouded (encircled) and labeled with the appropriate symbol associated with the revision block for the "As built Drawing" entry.
 - Include actual location and depth, from finish grade, of any other utilities encountered during construction and show on both the plan and profile views
 - All changes from standard 36-inch cover for all waterlines are noted on the plans; limits are shown on plans with annotated reason for change; actual pipe elevation (top of pipe) is included at every fitting that is not at standard cover.
 - Sewer lateral swing ties are included.
 - All public and private easement information is included.
 - Changes to the approved thickness for street structural section components are shown, including the limits where the changes occur.

- Changes to driveway locations and/or widths are shown.
- Contractor's company name, phone number and contact person for all improvements relating to parks, trails, and natural areas is included.

5. After the City has reviewed the draft as-built plans, make all required edits, turn off all revision clouds and submit CAD base files, TIF and PDF files.

Each TIF and PDF sheet must:

- include the current signed Engineer's stamp;
- be saved as an individual file and named using City Page Numbers;
- have a file name which contains no spaces or special characters;
- be high resolution, black and white drawings.

Each CAD base file shall be identical to the hard copy except for the signature of the Engineer of Record on the engineer's stamp and must:

- be on the correct horizontal and vertical datums;
- have a file name which contains no spaces or special characters;
- be saved to AutoCAD 2010 or later, up to AutoCAD 2013;
- be purged and audited prior to submission;
- be generated using the e-transmit command in AutoCAD and zipped in one folder;
- use layers from the City CAD Template.

6. If registered orthophotography is used as a backdrop, the image and registration file, along with directory information, shall also be submitted.

While not required, if the project includes private stormwater infrastructure not included on the Public Civil plans, providing the CAD files and PDFs of the applicable sheets, would be appreciated.