

11 Existing Utilities Plan

The Existing Utilities plan sheet shows an intersection layout showing the underground and overhead utilities, both public and private.

All contract plans shall be plotted “B” size (11”x17”). Existing Utilities plan sheets shall be drawn at a scale of 40:1 or 20:1. If the clarity of the plan at a scale of 40:1 is not sufficient the plan must be drawn at a scale of 20:1. The 20:1 scale would be needed in highly developed urban areas. A majority of the cities west of the Cascades may require the 20:1 scale because of the high density of overhead and underground utilities.

This is set with Annotation Scale. You can turn this on and off from many different locations including

- The drawing scale toolbar
- The place active cell dialog
- The place text dialog

For additional information on using Annotation Scale click on the following link:

[MicroStation Users Guide](#).

The Existing Utilities plan sheet shall include:

- All signal poles, conduits, junction boxes and other items that will be installed per the signal, detector and interconnect plan sheets
- Edge of pavement or curb line.
- Lane use arrows.
- Centerlines with stationing when available.
- Lane markings, lane use, crosswalks.
- Sidewalks, sidewalk ramps, driveways.
- Right-of-way lines (R/W).
- Highway names, street names.
- Overhead and underground telephone.
- Overhead and underground power.
- Natural gas lines.
- Water, sewer, storm sewer.
- North arrow
- Other features that may impact the construction of the signal and detector systems.

See example shown on the next page.

