



L Sheets

Design Manual
Chapter 1
General Information
Originally Issued: 02-04-11

The L sheets generally contain detailed information about intersection geometrics necessary for construction. Section [1F-12b](#) provides more information.

Contents of the L Sheets

The L sheets contain the following sheets:

- Geometric Sheets.
- Staking Sheets.
- Edge Profiles Sheets, see Section [6A-9](#).
- Jointing Sheets, see Section [7A-2](#).

Sample L Sheets

[Geometric Sheet](#)

[Staking Sheet](#)

[Edge Profile Sheet](#)

[Jointing Sheet](#)

Plan Quality Checklist

General

- Are Intersections presented in order of occurrence?
- Are Intersections labeled in the bottom right of the plan view?
- Does the text size look correct?
- Are the following included?
 - Scale block.
 - North arrow.
 - Township and range.

Geometric Sheets

- Are the following areas labeled?
 - Roadways.
 - Width.
 - Edge returns.
 - Curve names.
 - Control points.

- Station equations.
 - At roadway intersection points.
 - Along the roadway.
 - Intersection angle.
- Entrance locations and types.
- Tapers
 - Beginning point.
 - Ending point.
 - Taper rate.
- General notes

Staking Sheets

Are the following areas labeled?

- Profile grade location.
- Cross slopes.
 - Rate.
 - Length.
- Cross slope transition areas.
- Areas of special shaping.
- Elevations at:
 - PC(s) and PT(s) of edge returns.
 - Intersection lane lines.
 - Beginning and ending points of taper.
 - Profile grade where cross slopes begin and end a transition.

Edge Profile Sheets

- Are profile grade elevations shown at 5' intervals?
- Are tie-in grades shown.
- Are VPI points labeled.
- Get a COGO output of the edge profiles and verify that the L sheet grades match.

Jointing Sheets

- Are the following items labeled?
 - Type of Joint.
 - Length of Joint.
- Are the following areas shown?
 - Box outs.
 - Headers.
 - Structures.
- General notes