



Construction Record Drawings (As-built) for Streets

The following is a list of information required on as-built road drawings. It is preferable that the construction record drawing be prepared by someone other than the designer. *Please do not provide design drawings as construction record drawings.*

- A. A signed and dated professional seal of the preparing engineer or surveyor.
- B. The name and address of the firm and individual preparing the drawings on the title sheet.
- C. The constructed location of all items associated with the road construction must be shown. The items include, but are not limited to the following:
 1. **Horizontal Alignment** – Show and label measurement points, and an interpreted line between measurements. Show the as-built centerline over the design centerline. Distinguish between the design and as-built by labels and line type. Measurements shall be at frequent enough intervals to accurately portray the as-built centerline, and the position of the roadway within the right-of-way or easement. Any portions outside the right-of-way or easement must be corrected by plat or construction.
 2. **Vertical Alignment** – Show and label measurement points, and an interpreted line between measurements. Show the as-built centerline over the design centerline. Distinguish between them by labels and line type. Write the constructed vertical elevations and compare to the design elevations where necessary. Measurements shall be at frequent enough intervals to accurately portray the as-built centerline. For alignments which deviate significantly from the design, provide curvature and sight-distances. Corrections may be required for alterations from the design alignment.
 3. **Edge of Pavement** - Display the constructed edges of pavement and width measurements at every station, or more frequently if necessary to accurately portray the as-built edges. Show the as-built edges over the design edges for comparison. Show and label constructed edge of pavement radii for all intersections and cul-de-sacs. Edges for sidewalk, as well as ramps and curb cuts must be included.
 4. **Culverts, Pipes and Drainage Structures** - Display the installed type of drainage structure, culvert/pipe size, material, inlets or end treatment(s), inlet and outlet protection, alignment and invert elevations compared to design. **Computations:** For slopes flatter than design, or inverts shallower than design, provide computations verifying design standards.
 5. **Ditch Lines** - Display the constructed location of all ditch lines, including typical section, direction of flow, and linings.
 6. **Drainage Easements** - Show all platted easements with dead book references labeled. Drainage must be within platted right-of-way or drainage easements. Provide copies of recorded documents.
 7. **Guardrail** - Display the constructed location of guardrail, including the guardrail type, length and applied end treatments, compared to design.
 8. **Right of way and associated easements** – Label deed book and page numbers for all dedicated right-of-ways, sight easements, slope easements, etc., and provide copies of recorded documents.
 9. **Pavement Designs** – Label the as-built pavement and base layers. Indicate the measured pavement thicknesses based on inspections or cores as referenced and included. Inspection reports are required for fill compaction, CBR's, and pavement applications.
 10. **Street Trees** – Provide design and as-built locations and species. Compare to design.
 11. **Signs** – Show all installed signs and pavement markings. Include any pedestals or other features.