

AS-BUILT ROAD PLAN AND PROFILE SHEETS PROCEDURE

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Overview

Updating Road Plan and Profile sheets for As-Built Plan Production.

Process Guide

Application/Tool(s): AutoCAD / Civil 3D
Version(s): 13.8.1704.0 Civil 3D 2026.2.1
Environment: MDT State Kit 2026.1.0
Released/Revised: 7/31/2026



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Statement of Need

This procedure demonstrates the steps necessary to amend and finalize Road Plan and Profile sheets for As-Built Construction Plans.

Revisions

7/331/2026 New Process Document

Road Plan and Profile Sheets

Section I. Updating Plan and Profile Sheets

There are many edits on plan and profiles that need to be completed in Civil 3D. Take time to go through them thoroughly and compare them to summaries, miscellaneous work, and the crew's redlined as-builts as a double check.

Note: RIGHT OF WAY OR CONSTRUCTION PERMITS SHALL NOT BE EDITED.
These files should be XREF only.

Section II. Edits Made by Road Designers

- Alignments
- Profiles
- Corridors

Shall be edited by the Road Designer. Designers will be granted access to the AB project on BIM 360 as necessary by DEO.

Section III. Edits Made by District Engineering Officer

Existing features that were removed during the project should be deleted from the plan and profile. References to the feature labels shall remain in the drawing but be changed in tense from "REMOVE" to "REMOVED". Remember to use the correct font style when changing text.

Examples:

- Delete any pipes that were removed. Change any corresponding text to past tense.
- Obliterated roadways and superseded alignments should be removed. Update corresponding text.
- Existing approaches that were removed or replaced shall be deleted.
 - Note: Most approaches will be a reference from the RDMAP source drawing. Once the old approach is removed from the RDMAP, the reference should be updated and the approach removed from the remaining drawings. In some circumstances, an approach may be drawn in a RDPLP drawing. Verify the source location of an approach when removing it from the as-built plans.
- Guardrail that was removed or replaced should be deleted from the plans. Update the corresponding text in the profile view accordingly.
- Features that are to be perpetuated or not disturbed on plans shall be changed in tense to reflect that the feature was not amended. For example "DO NOT DISTURB" is updated to "DID NOT DISTURB", and "USE AS-IS" is updated to "USED AS-IS".

- If a pipe length changes from the plans add the installed pipe length to the label description and adjust the pipe geometry/pipe network accordingly.
- If an existing pipe is found during construction that was not shown on plans (NSOP) and was perpetuated in the field, add the pipe geometry and labeling to the drawing along with any additional changes that were completed on the pipe during construction.
- Update any changes to sidewalk, curb and gutter, ADA, etc. in both the features and labels on the plans. Corresponding text to the features is usually located below the plan view in the profile view section.
- Add or remove any sub-excavations, special borrow, fabric, etc. under the roadway. Draw in the sub-excavation in the same style as the design plans. If the detail information exists on the detail drawing, do not replicate the detail information on the plan and profile sheets, reference the PLP sheet number on the detail summary sheet instead.
 - Note: In certain instances, adding a note of the amended changes is more helpful than adding linework into the plan drawing. For example, the addition of geogrid fabric is best displayed as a note, as there is not a good way to display the additional feature added by linework alone.