

AS-BUILT ELECTRICAL SHEETS PROCEDURE

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Overview

Updating Electrical 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 create, amend, and finalize Electrical Sheets for As-Built Construction Plans.

Revisions

7/31/2026 New Process Document

Electrical Sheets

Section I. Updating Electrical Summaries

Open the Excel Electrical files. Update the Electrical Summary to reflect the project totals. Use the same process for editing Excel summaries to do this. Double clicking on linked excel file will open excel for edits. Note: some summaries are located as CAD tables in the drawing file rather than excel files.

ELECTRICAL QUANTITY SUMMARY

ITEM NO.	MATERIAL	UNIT	TOTAL
616343914	CONDUIT-PLASTIC 1 1/2 IN	LNFT	2,500
616343930	CONDUIT-PLASTIC 3 IN	LNFT	100
616783007	PULL BOX-COMPOSITE TYPE 2	EACH	4
617123108	CONDUCTOR-COPPER AWG8-600V	LNFT	200
617123110	CONDUCTOR-COPPER AWG10-600V	LNFT	2,600
617033214	CABLE-COPPER 3AWG14-600V	LNFT	2,600
617333100	SERV ASSEMBLY	EACH	1
617483110	SIG-TRAF 1 COL-1 WAY12	EACH	4
617781001	REMOVE AND SALVAGE MISC ELECTRICAL	LS	1
617903100	CONTROL UNIT	EACH	1

If there is a major change to the summary, such as completely omitting items, a simple note is beneficial for explaining the design change.

Section II. Updating Electrical Details and Plans

- Update any changes to electrical details. Ex: A pole is added to a project - use CADD drawing tools to show new pole as a block in all pertinent drawings.
- Update the electrical plans to show field changes.
- Update all changes in every schedule. You can add any pertinent information that will not fit in the schedule underneath it.
- Change all text to past tense if the plan was followed.