
Earthwork Deliverables for Plan Turn-in

Design Manual
Chapter 5
Earthwork

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Section [20B-71](#) discusses the electronic files required for plan turn-in. Included with those files are the related electronic earthwork files discussed in this section.

Electronic Earthwork Files

Along with the .pdf files submitted for plan turn-in, the T Sheet Excel Spreadsheet and Cross Section files with earthwork shapes should be included. The T Sheet Excel Spreadsheets consist of two types: legend sheets and calculation sheets.

Legend Sheets (T.1 Sheets)

The T Sheets will include at a minimum two sheets for detailing the typical earthwork components in the project. Projects with both urban and rural cross sections will likely require additional sheets. Designers are expected to use the provided legend sheets from Methods, and tailor the sheets to fit individual project needs. The first page shows unadjusted and adjusted Class 10 areas for both cut and fill situations. The second page includes the plus cuts (+C), minus cuts (-C), plus fills (+F), and minus fills (-F), as well as bid items and explanations.

Calculation Sheets (T.2 Sheets)

The remaining T Sheets originate in the T Sheet Calculation File. They will begin with T.2, or T.2A. The T Sheets with more columns may require an A and B sheet. The final summary page will have equations clearly displaying the bid items and their origins. Refer to example plans.

Projects with Large Earthwork Quantities

Projects with larger quantities (50,000 cubic yards or more) of earthwork may also require a set of plans be posted to the website early. Refer to Section [5B-3](#) for more information.

Chronology of Changes to Design Manual Section:

005A-003 Earthwork Deliverables for Plan Turn-in

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