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# R Sheets

Design Manual

Chapter 1

Chapter Title

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The R sheets provide information related to borrows. These sheets are provided by the Soils Design Section.

## Contents of the R Sheets

The R sheets contain plan views and soil profile sheets, along with volume of materials available for borrow areas.

## Sample R Sheets

Click here to view [Sample R Sheets](#).

## Plan Quality Checklist

- Is the borrow identified on the sheet?
- Are mandatory borrows labeled as such? Are mandatory borrows included in the estimate reference notes?
- Is information complete (e.g., soil types, material needed, material available)?
- Is a soil profile sheet included as well as borrow layout sheet?
- If a borrow is a pond borrow, is it of appropriate design (irregular, shallow shelf, inflow/outflow compensated) with needed information (bottom elevation, water elevation, etc)?
- Are the borings labeled?
- Is station location and offset for the borrow included?
- Is the station location and offset for center of mass included?
- Are a scale and north arrow included?