

1F-16.1

#### Design Manual Chapter 1

General Information

Originally Issued: 03-14-19

# QR Sheets (Borrows)

The QR sheets provide information related to borrows.

#### Contents of the QR Sheets

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

### Sample QR Sheets

Click here to view Sample QR 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?

## **Chronology of Changes to Design Manual Section:**

001F-016.1 QR Sheets

3/14/2019

NEW New.