

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE ENGINEERING NOTEKEEPING**

IRRIGATION LAND LEVELING

CODE 464

NOTEKEEPING

Design Survey, Design and Layout

- A) Record the following minimum information in a field notebook or on approved forms:
 - 1) Soil investigation to determine kind of soil and depth of topsoil.
 - 2) Topographic survey. Laser equipment may be used for all surveys.
- B) Make quantity computations, if needed.
- C) Prepare cut sheet, showing planned cuts and fills and/or field layout showing design elevations, row grades and cross slope grades, if laser controlled equipment is used for installation.

Construction Check

- A) Record rod readings along selected lines showing constructed elevations and grades. (Check a minimum of 2 lines in each field.)
- B) Record recheck notes, if parts of field had to be reworked after first check.
- C) Record statement as to adequacy of outlet for surface drainage.
- D) Record date and sign statement concerning adequacy of practice to meet plans and specifications. Note all exceptions.
- E) A signed narrative statement showing dates, survey party, control elevations used, checks made of row grade and cross slope grade, correction of deficiencies, if any, and certification statement will serve as adequate documentation when laser equipment is used in surveys.

Recording Data

Record all field notes in a standard engineering field book, or approved forms. Cross reference to appropriate field books all drawings and plans.