

CONSTRUCTION SPECIFICATION
NATURAL RESOURCES CONSERVATION SERVICE
IRRIGATION LAND LEVELING

1. Scope

All land leveling shall be designed and plans prepared in accordance with the Alabama NRCS Conservation Practice Standard, Irrigation Land Leveling, Code 464.

2. Construction

Construction shall be to the lines and grades as determined by the design and as staked in the field.

All crop residue shall be removed (or turned under and allowed to decay) and all crop ridges and similar surface irregularities shall be eliminated by disking, harrowing, or planning before the area is staked.

Grade stakes placed shall be left undisturbed until all grading operations are complete, at which time the completed grades, ditch sizes, and the installation of pipe lines, structures, and other appurtenances shall be checked for compliance with the leveling plan.

The completed grades shall be within 0.10 foot, plus or minus, of the grades shown on the plan at each grid corner and at all other points where measurements may be taken. In addition, there shall be no reverse grades in the direction of irrigation, and there shall be no low places or pockets from which water will not drain. Any problems encountered in meeting these requirements should be deferred to the engineer.

All deviations from the planned grades as staked in the area shall be corrected before the grading equipment is removed from the site.

After grading operations have been completed in a satisfactory manner, the surface of the field should be planned with no less than three passes of a land plane (or other equipment), if determined necessary by the engineer. The first two passes of the plane should be made diagonally with respect to the grid corners shown on the plan and at approximate right angles to each other. The final pass should be made in the direction of irrigation as shown on the plan.

3. Pollution control

Construction operations shall be carried out in such a manner that erosion, air, water, and noise pollution will be minimized and held within legal limits as established by state or local regulations.