

IRRIGATION LAND LEVELING (Code 464)

1. SCOPE

The work shall consist of furnishing all equipment and materials and performing all operations in connection with the construction of the irrigation land leveling project as shown on the drawings and as staked in the field.

2. SITE PREPARATION

The land to be leveled shall be cleared of brush, crop residue, trash, and vegetative material that can materially reduce the effectiveness of leveling operations.

3. LEVELING OPERATIONS

The land shall be leveled to the designed grade or grades. Fills of more than six inches shall be built up by spreading the soil in successive layers. Leveling operations shall not be performed if the ground is frozen or if soil moisture conditions will excessively damage soil structure, thereby resulting in poor crop growth or detrimental settlement.

Construction operations shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits.

After the cuts and fills are completed, the land shall be smoothed to remove minor irregularities.

Benching a field in the direction of irrigation can reduce the yardage. The bench shall have a dike installed parallel to it, so water will not flow down the benched area.

All permanent benchmarks shall be protected. All temporary benchmarks and grid stakes shall be protected until the field

has been checked and approved. Grid stakes, only may be removed during leveling operations if laser controlled equipment is used.

Soils for leveling operations shall be obtained from the designated cut areas in the field or from other designated borrow areas as specified in the plan.

4. CONSTRUCTION TOLERANCES

All leveling work shall be finished according to design and to the following tolerances:

The allowable variation from the approved final grade or elevation shall not exceed 0.1 foot for land slopes up to 0.4 percent or 0.2 foot for land slopes over 0.4 percent.

No reverse grades shall be permitted. The completed job shall be workmanlike and present a good appearance.

5. MEASUREMENT AND PAYMENT (Used only if applicable)

For items of work for which specific unit prices are established, each item will be measured to the nearest unit applicable. Payment for each item will be made at the agreed-to unit price for that item.

Such payment will constitute full compensation for all labor, equipment, tools and materials necessary for completion of the work.

Compensation for any item of work shown on the drawings or described in the special provisions but not listed on the bid schedule will be considered incidental to and included in the pay items listed on the bid schedule.