 NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Initial setting: This practice applies to land areas where depressions, mounds, old terraces, turnrows, and other surface irregularities interfere with the application of needed soil and water conservation and management practices.

Land smoothing is limited to land areas having adequate soil depth or where topsoil can be salvaged and replaced.

**Land Smoothing (466)**

- An even soil surface resulting from the removal of irregularities

**Pathway Notes:**
- Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.

**Start**

- Dike (356)
- Structure for Water Control (587)
- Drainage Water Management (554)
- Surface Drain, Field Ditch (607)

**D.1 (+) Cost of practice installation**
- I.1 (+/-) Net return
  - C.1 (+/-) Income and income stability (individuals and community)

**D.2 (-) Energy inputs**
- I.2 (-) Cost of production
  - C.2 (+/-) Water quality and aquatic habitats
  - C.4 (+/-) Environmental quality

**D.3 (+) Surface drainage**
- I.3 (+) Potential income
  - C.3 (-) Soil quality

**D.4 (+) Winter freeze protection**
- I.4 (+) Crop vigor and production
  - C.2 (+/-) Water quality and aquatic habitats

**D.5 (+) Soil disturbance**
- I.5 (+/-) Transport of pollutants to surface waters
  - I.7 (-) Transport of pollutants to ground waters
  - I.9. (-) Microtopography affecting habitat for invertebrates and herptofauna

**D.6 (+) Equipment traffic**
- I.6 (-) Ponding
  - I.8 (-) Soil organic matter (short term)
  - I.10 (+) Potential soil compaction

**C.2 (+/-) Water quality and aquatic habitats**
- C.3 (-) Soil quality

**C.3 (-) Soil quality**

**C.4 (+/-) Environmental quality**

**C.1 (+/-) Income and income stability (individuals and community)**

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