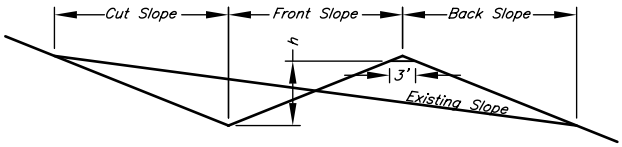
Terrace/Basin Data

Terrace No.	Terrace Type*	Length (ft.)	Front Slope	Back Slope	Min. Cut Slope (ft.)	Fill (cu.yds.)	Top Width** (ft.)

** NB (Narrow Base), GB (Grassed Backslope), BB (Broad Base), GFFB (Grassed Front Farmable Back)*
*** Applicable to 638 – Water And Sediment Control Basin (WASCB) designs.*

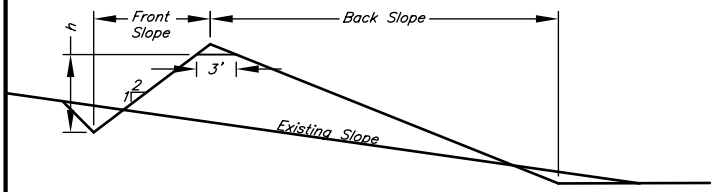
Topsoiling Required: ☐ *YES* ☐ *NO*

MINIMUM DIMENSIONS FOR BROAD BASED



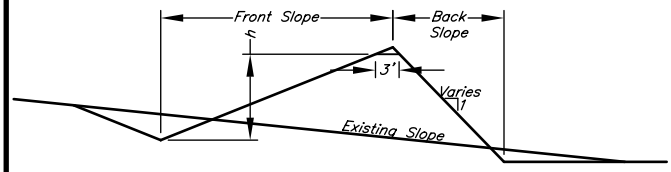
Length of cut slope, front slope and back slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
h=Design height of terrace

MINIMUM DIMENSIONS FOR GRASSED FRONT FARMABLE BACK



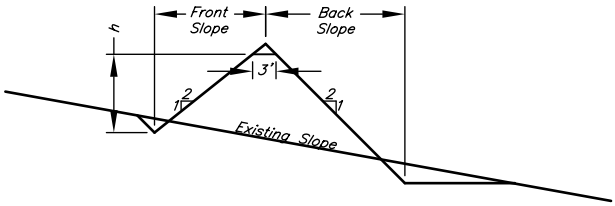
Length of back slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
h=Design height of terrace

MINIMUM DIMENSIONS FOR GRASS BACK SLOPE



Length of front slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
The back slope shall be no steeper than 2:1 except when built on Ida and Monona soil series types which may have the back slope constructed no steeper than 1.5:1
h=Design height of terrace

MINIMUM DIMENSIONS FOR NARROW BASE



h=Design height of terrace

OPERATION AND MAINTENANCE REQUIREMENTS

- *Remove sediment that has accumulated in the terrace channel to maintain the required capacity, a positive channel grade, and to maintain capacity where soil infiltration serves as the outlet.*
- *Repair sections of the terrace which have eroded or have excessive settlement or rodent damage.*
- *Repair or replace any damaged surface inlets.*
- *Fill any settled or eroded areas in the tile trench.*
- *Remove trash from around and inside the surface inlet.*
- *Control weeds, brush, and trees by mechanical methods or chemicals.*
- *Reseed and fertilize as needed to maintain good vegetation.*
- *Do not operate farm equipment on steep frontslopes and/or backslopes.*

STANDARD DWG. IA–1500

DATE *Oct. 2008* | PAGE *1* OF *1*

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

TERRACE / BASIN PLAN

Owner: _____.

*Location: Sec*_____, *T*_____*N*, *R*_____*W*

_____ *Township*

_____ *County, Iowa*

Date

Staked _____

Designed _____

Checked _____

Approved _____

File Name

Drawing Name

Sheet of