

# Create Drains

**'Line smoothing strength' adjusts how many sharp turns and how smoothly the drain lines flow. The further to the right the slider is the more round the lines will be (with decreased sharp turns).**

**'Surface smooth strength' adjusts the surface by applying an averaging filter to the surface of the field to remove bumps and dips without creating a full field earthwork design.**

**'Min. drain length' will set the minimum length a drain must be to be displayed on the surface.**

**'Min. depression area' will set the minimum surface area a depression must cover before T3RRA software will consider draining it.**

**'Min. depression volume' allows you to also set a minimum volume for a depression before a drain will be implemented.**

**'Add Stop Line' will create a black line on the screen with large red anchors at each end. Drain lines will not cross this line. To confirm the placement, press the 'Lock Stop Lines' button that will appear next to the 'Add Stop Line' button. Pressing the white anchor in the center**

**of the lines will create another red anchor so that lines can be adjusted. Additional stop lines can be added by pressing the ‘Add Stop Line’ button again.**

**Auto Drains**


(0 will disable the following limits)

Min. drain length:  ft

Min. depression area:  ft<sup>2</sup>

Min. depression volume:  yd<sup>3</sup>


[Click View to show/hide depressions.](#)



Line smoothing strength: 46.2%  
(Unsmoothed line shown in gray)

Surface smooth strength: 0.0%  
(Only change if you really know what you are doing)

on elevation  
 on design



A depression will only be drained if it meets all of the minimum length, area, and volume criteria.

