

# Trenching and Excavating

1936 Subpart P

7/18/2019

All trenches must be inspected daily

At 4' we need a ladder, ramp, or stairs for entry and exit

That ladder, ramp, or stairs must be within 25' of all workers

At 4' the trench should be evaluated for confined space status

At 5' we can no longer have vertical trench walls

At 5' we start using sloping, benching, shielding(a trench box), or shoring

There are 3 types of soil-Type A(stable), Type B(less stable), Type C(unstable)

In Type A and B soil we can slope or bench

In Type C soil we can slope only. There is no benching in Type C soil

We assume all soil is Type C

Spoil piles must be back at least 2' from the edge of the trench

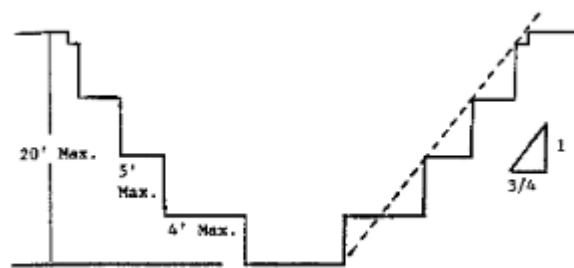
Trenches less than 5' might need sloping, shielding, or shoring if they are too unstable.

Always use a tagline when setting trench box

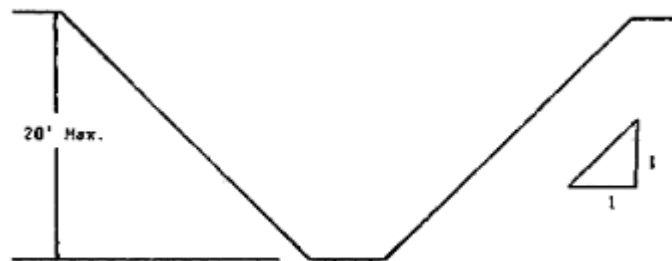
Use ladders to enter and exit a trench box. Never walk out of the end.



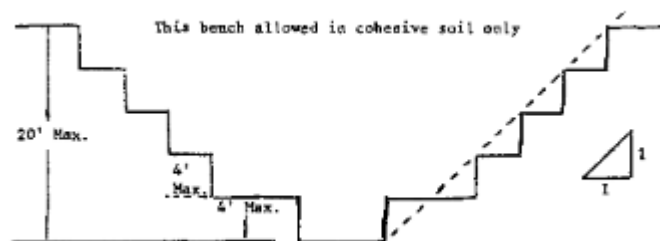
Slope in Type A Soil



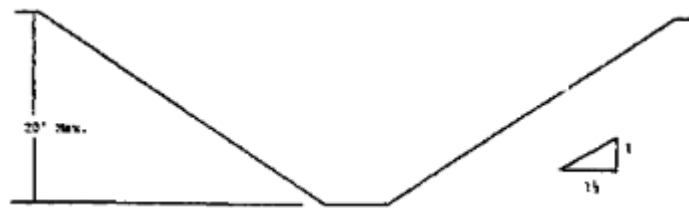
Bench in Type A Soil



Slope in Type B Soil



Bench in Type B Soil



Slope in Type C Soil

### Trench box configurations

