

Trench incidents occur all the time.

Focus should be on prevention , however, there will always be the need to be prepared for rescues.

Have you covered all bases to prevent trench incidents , do you have the equipment ,training and procedures in place .

Pro active approach to Trench Incidents – Trench shielding



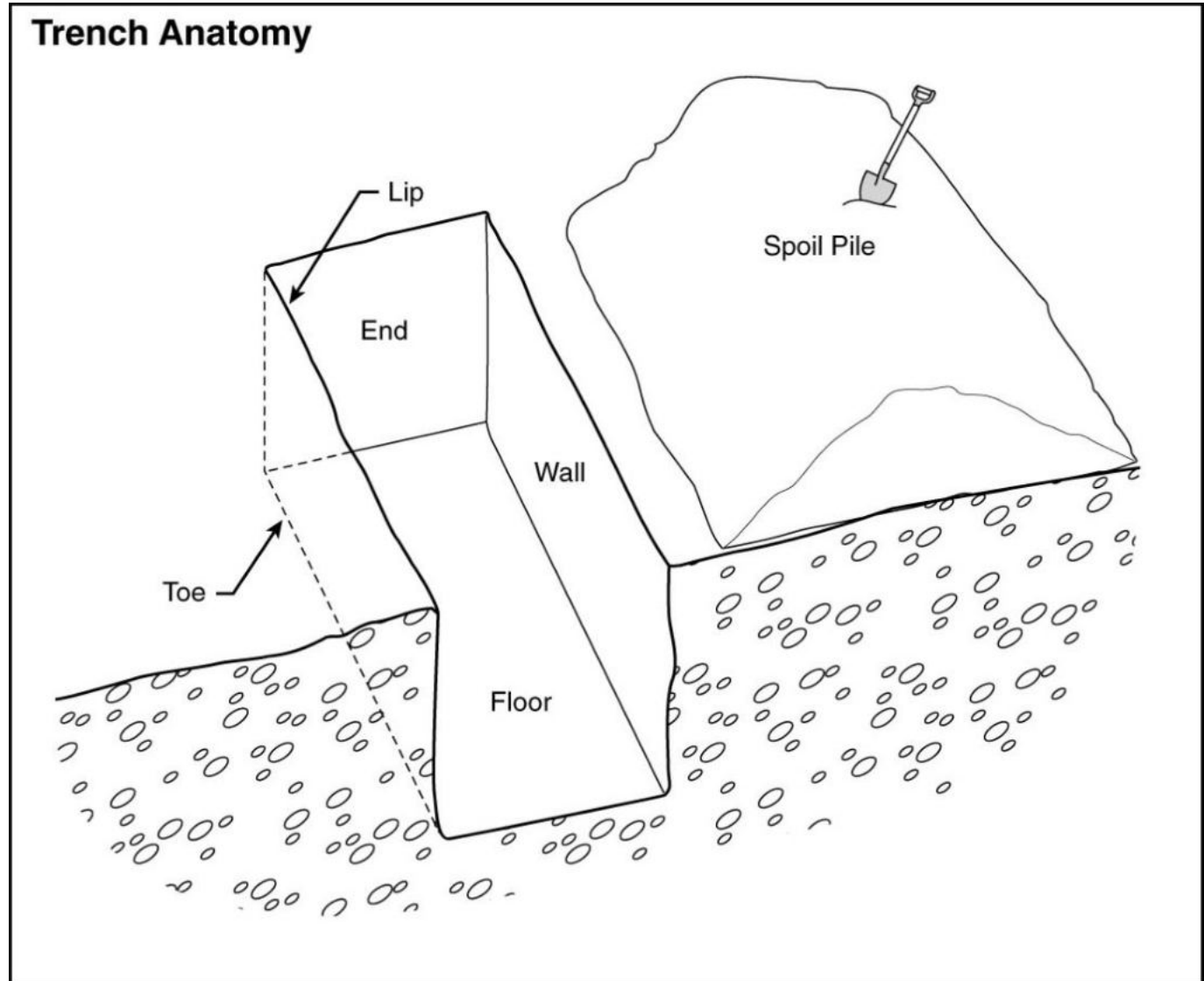
Two types of trench rescues

**Dead victims
and
live victims**



Trench Terminology

- Trench and excavation
- Competent person
- Floor
- Walls
- Ends
- Spoil pile
- Toe



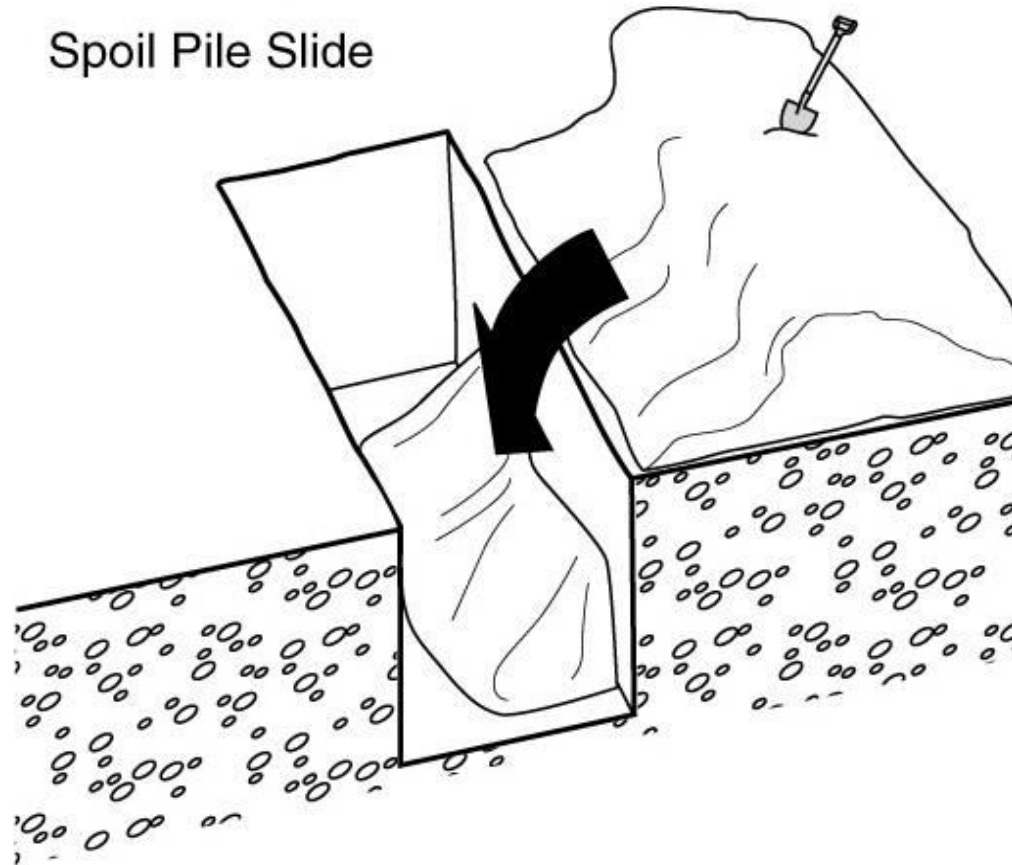
Conditions Leading to Collapse

- Heavy equipment
- Spoil pile location
- Vibration

location

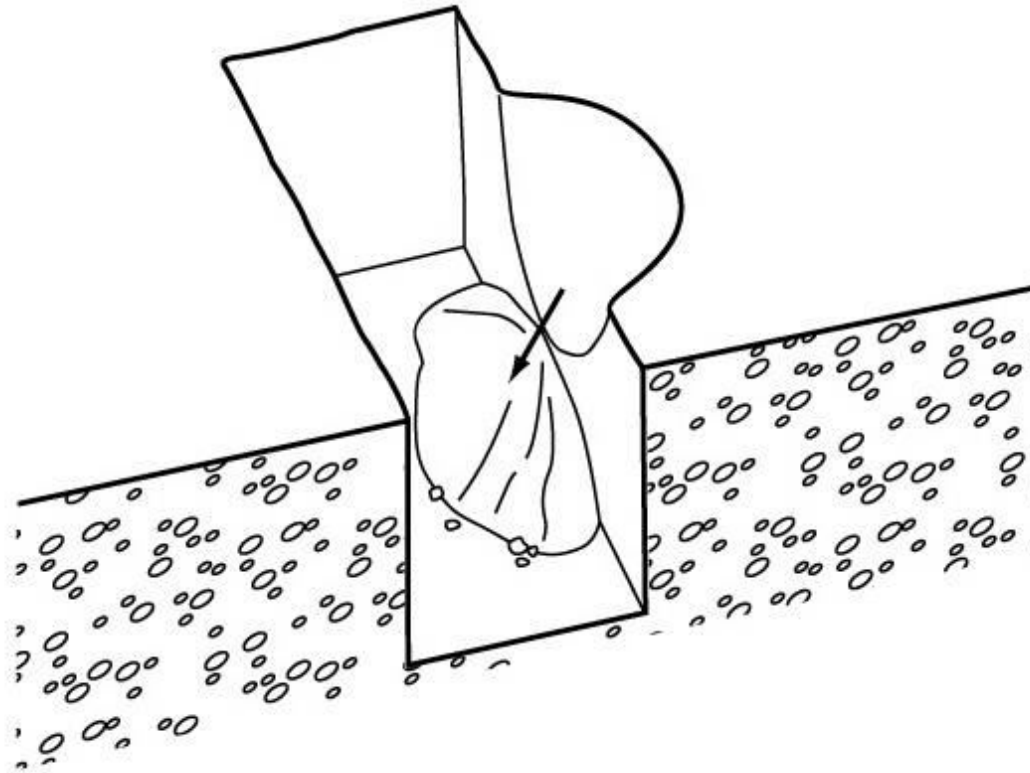


Spoil Pile Slide

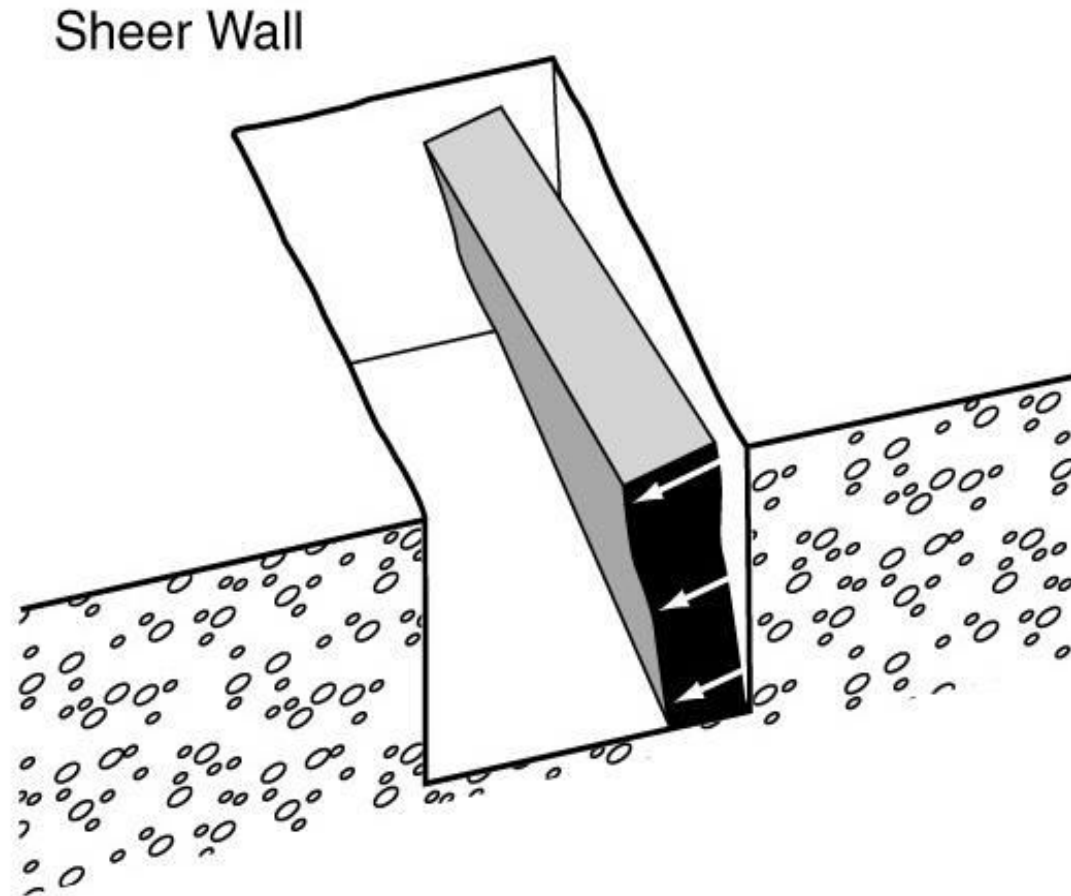


Slough Failure

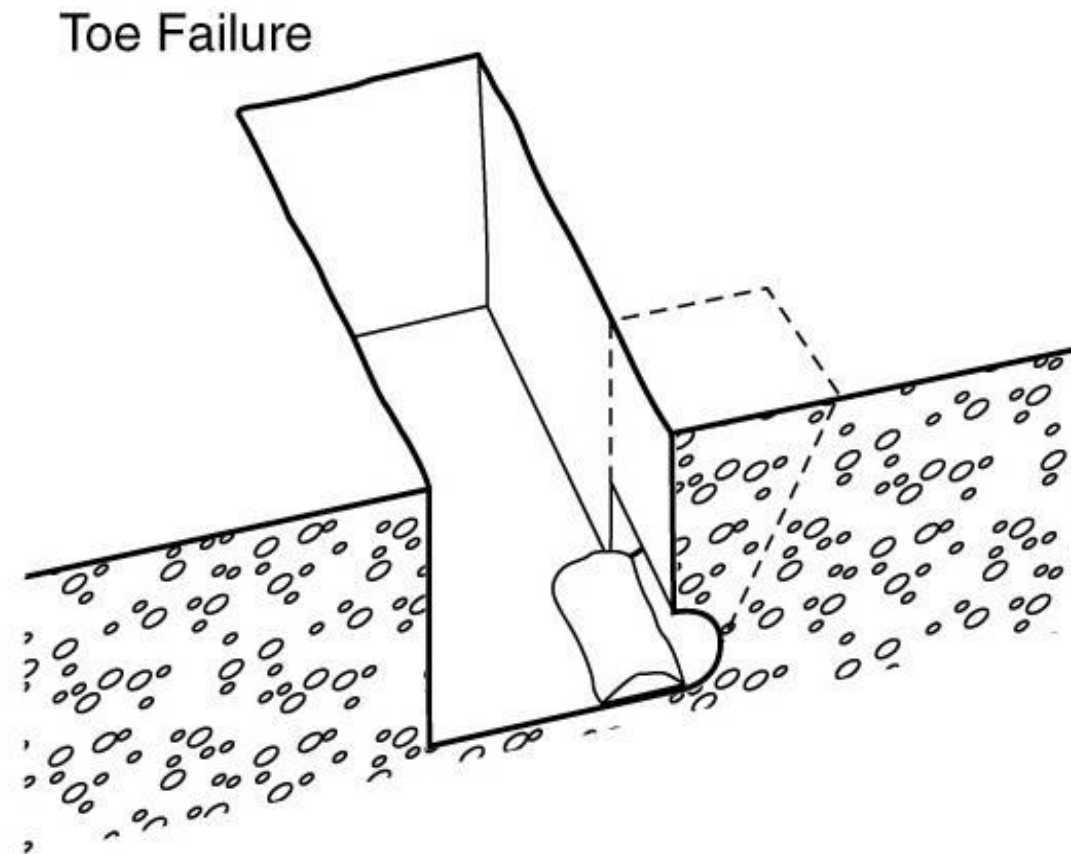
Slough



Shear Wall Failure



Toe Failure



Trench Rescue Assessment (At time of alarm)

- What has happened?
- What type of work was being done?
- Is the victim completely buried?
- Is it a collapse or injury situation?
- How is my access to the scene?
- What is forecast?



Trench Rescue Assessment (Arrival at the scene)

- Do I have the proper equipment?
- What are the injury problems?
- What is victim survivability profile?
- What type of protective system is in place?



Trench Rescue Assessment (During the emergency)

- **Changing conditions require constant evaluation and assessment!**



Ground pads



2 x 12



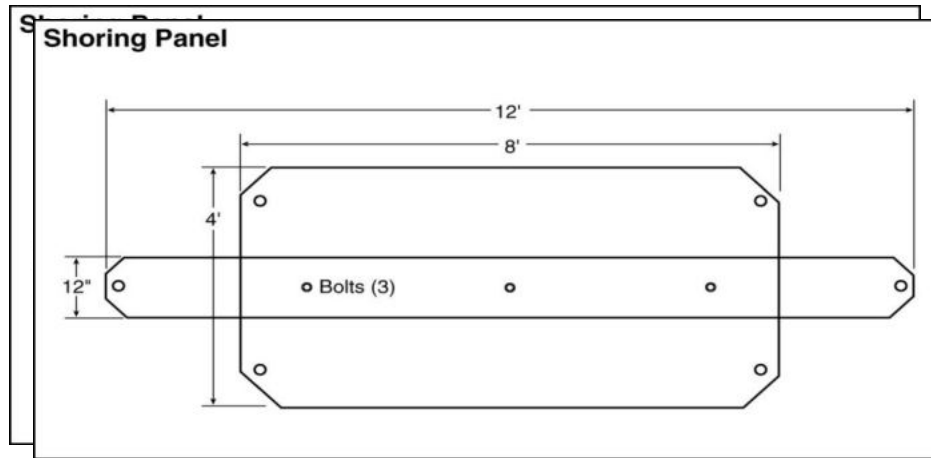
Marking ground pad



4 x 8 3/4

Make sure that uneven ground doesn't create a trip hazard!

Sheeting



Manufactured panels

4 x 8 home made panels



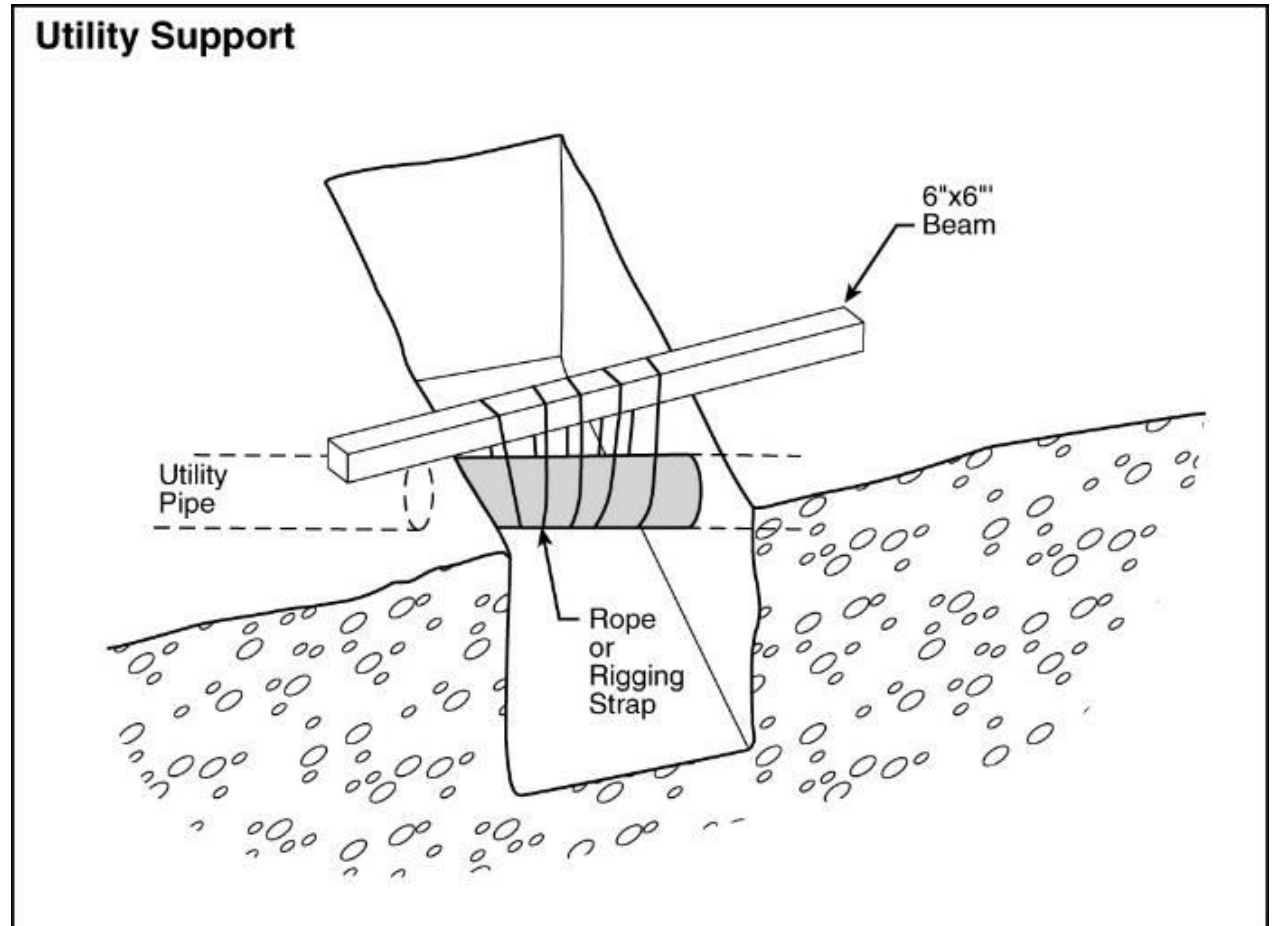
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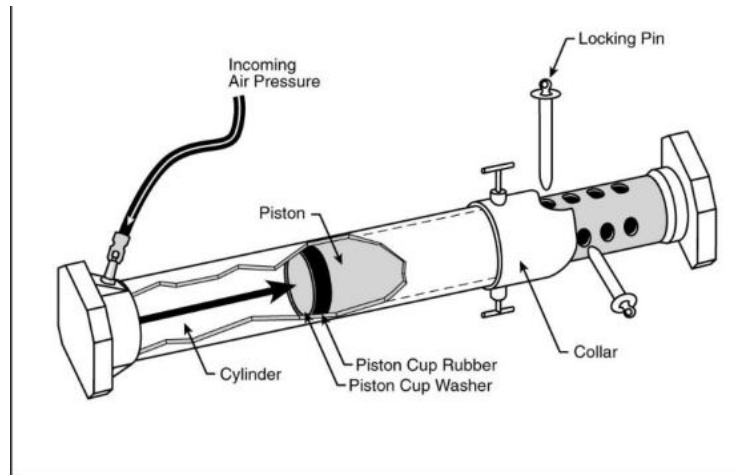


Hazard Control

- Two type of hazards:
 - Those you can control
 - Those you should leave alone



SHORES



Pro active approach to Trench Incidents

TACTICAL WORKSHEET TRENCH
RESCUES.docx