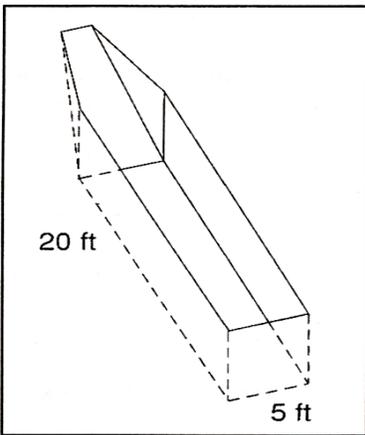


**VA Department of Fire Programs  
Heavy and Technical Rescue Program  
Trench Rescue Level 1  
Logistics for Skill Stations**

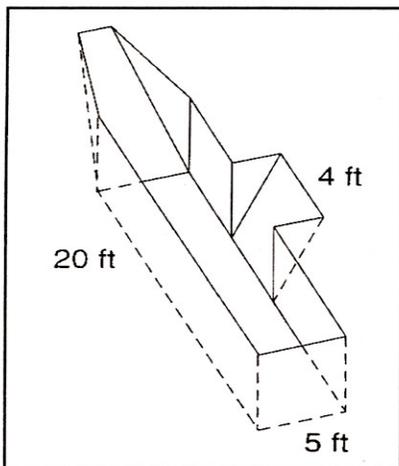
**Site and Equipment Requirements**  
Site Requirements

Two types of trenches

1. Single wall



2. Single wall slough



## Equipment Requirements

A backhoe should be on site for the class. If possible, an excavator would also be beneficial.

12- 4' X 8' panels with 2" X 12" X 12' strong backs are important. These can be homemade or can be Shorform panels (preferred).

2- 2" X 12" X 12' lumber

8- 2" X 4" X 12' lumber

4- 4" X 4" X 12' timbers

8- 4" X 6" X 12' timbers

6- 6" X 6" X 12' timbers

12- 4' X 8' X 1/2" sheets of exterior plywood (ground pads/supplemental sheeting)

Twenty pounds of 16-penny duplex nails

20- 20' sections of utility rope (7/16" or 1/2" diameter)

8- steel pickets

14- carpenter nail pouches

10- construction hammers

6- 25' tape measures

4- 2 pound hand mauls

1- pike pole

4- speed squares

4- utility knives

4- nail pullers

2- mini levels

2- framing squares

2- 8 pound sledge hammers

One (1) 10-1/4" circular saw/ chain saw kit, one (1) each (with appropriate protective gear)

Portable generators of sufficient wattage to run your equipment and power cords

3- 100 ft electrical cords

2- ventilation fans

Diaphragm pump (Mud Hog) dewatering device with intake and discharge hoses

4- long-handle shovels (flat and round point)

2- steel yard rakes

4- small entrenching tools

16- prusik cords

2- Marking paint cans

3- 5-gallon buckets

2- Fire service rated ladders, minimum twelve (16) feet long

2- rescue mannequins or hose dummies

2- patient packaging devices (Stokes, LSP Halfback, Miller Body Splint, etc.)

1- four-function atmospheric monitor

2- 20" nylon rigging straps

2- low-pressure air bags (all applicable equipment)

( One of the following sets of additional shores (preferably all of them))

12- pneumatic shores with swivels, extensions, air cart, and hoses

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6- screw jacks (1.5" or 2" pipe)

Section 10' steel pipe or concrete pipe 12" to 18" Diameter

Fire line tape

Access to air cascade system to fill bottles

4- SCBA cylinders

2- Tarps

Complete assortment of hand tools