



Arrival



Setup



Results



Departure



Fully Equipped Quick Deployment Trailers



**4-foot Muscle Wall
110 lbs. each**



**2-foot Muscle Wall
55 lbs. each**



Protecting Life, Property, & the Environment...

"PROVIDING A FLOOD OF SOLUTIONS"
www.MuscleWall.com

Muscle Wall Flood Barricades



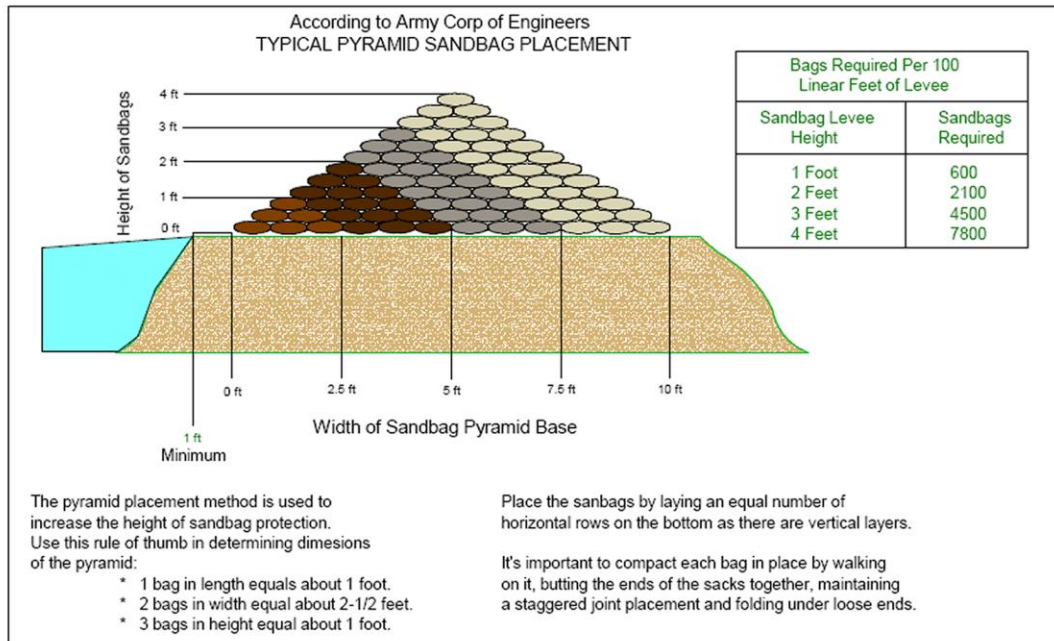
- *6-feet long by 4-feet high with a stable 30 1/2 -inch base.
- *Each unit replaces 468 sandbags for much less money.
- *Two people can set and fill with water in a fraction of the time (3-5 minutes).
- *Each unit weighs 110 lbs when empty and 1600 lbs when filled with water.
- *Water Sources: Fire Hydrants, Fire and Water Trucks or pumping the flood waters into the units. Muscle Wall can be reused more than any other flood control product.

A sandbag levee that is one mile long and 4 feet tall requires 411,840 sandbags.



Sandbags are labor-intesnsive and the setup is slow. The true cost of using sandbags, including cleanup costs is \$2.50-\$5.00 per bag.

Most sandbags can't be reused and they end up in the landfills because they are contaminated with gas, oils and raw sewage.



Patent Pending Design



User-Friendly

- The two connectors slide in place and create an amazingly tight fit when lowered.
- Temporary lifting dowels, inserted through the top holes, enable two people to easily lift the 110-lb Muscle Wall Flood Barricade.
- Drain plugs are located on the front and back of each Muscle Wall Flood Barricade.



Tight Connections



Muscle Wall Flood Barricades:

- Have a strong, tight connection that allows each unit to pivot.
- The "L" shaped design, or foot, helps hold the units in place when the weight of the flood waters add additional downward pressure, in addition to the 1600 lb. of weight of each connected barricade.
- Additional strength can be added, if necessary, by driving metal stakes on the front and back of each barricade.
- In extreme pressure conditions, a metal angle-brace can be used, or an additional barricade can be placed behind certain barricades.
- Failure is not an option with Muscle Wall Flood Barricades!

Stackable



- Muscle Wall Flood Barricades are stackable and 72 units fit on a 40-foot trailer.
- One mile's worth is 880 units and will replace 411,840 sandbags.
- One mile's worth can be stored outside on 12 quick-deployment trailers on less than 4,000 sq. feet.
- 12 barricades are strapped to pallet for quick deployment.
- Trailers can easily be pulled by 4-wheel drive trucks.

Applications

Muscle Wall Flood Barricades can be used for the following:

Flood Control
Erosion Control
Canal Control
Dewatering for construction projects to create a dry working area
Coffer Dams can be created even with existing water
Soil retention
River water containment
Portable Levees
Hazmat Containment
Landslide prevention and management
Golf course water containment and soil retention, i.e. Island greens
Agriculture uses, irrigation control, feedlot containment
Storm Water containment
Sewer containment, dividing sewer into multiple cells
Coastal water protection

NOTE: Muscle Wall Flood Barricades are not designed as highway traffic barricades, nor would they be ideal for such purpose. We strongly recommend they not be used in such a fashion.

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•When Silt Fences are not Sufficient



•Soil Retention



•Erosion Control



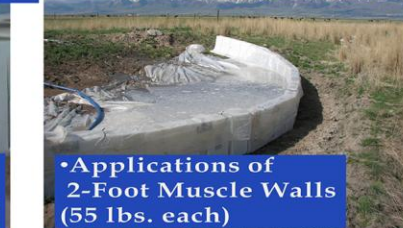
•Storm Water Management



•Portable Levees
•Flood Control
•Water Management



•Detention Pond
•Hazmat Containment



•Applications of 2-Foot Muscle Walls (55 lbs. each)

- ◆ A portable unit: 4ft and 2ft sizes available.
- ◆ Easy to use.
- ◆ Can be rented out when not in use.
- ◆ If used 10 times, the total cost for one mile's worth would be near **\$500,000**; whereas sandbags would be over **\$10 Million**.
- ◆ Made from $\frac{1}{4}$ inch, low density polyethylene. Muscle Wall Barricades are the strongest and the most durable flood control method on the market today.
- ◆ **75% of flood damage occurs when flood water is 3 feet deep or less. Muscle Wall Barricades will not solve all flood waters... Just the Majority.**
- ◆ The name is fitting...



June 7, 2010 The Little Cottonwood Creek in Salt Lake City, Utah flooded many businesses and homes. Muscle Wall arrived when the water levels were just about to overtake this new office complex. Muscle Walls were floated into place, filled with water, then covered with a poly-string-plastic. A few sandbags were dropped on the edge of the plastic to create a seal against the ground.

Water was on both sides of Muscle Wall until we pumped out the water.

Flooded on one side of the Wall and now dry on the other.



That very day, the business complex was up and running again with no debris left behind, while the surrounding buildings still had sandbags to cleanup.

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Volunteers to clean up the sandbags are now nowhere to be found.