

Muscle Wall Cost Analysis

JR Barker - 6/17/2022

Zone 7 Flood Control and Water Conservation District

Length of Levee 10,510 feet

Cost per unit \$ 429.00

Additional material cost per unit \$ 50.00

Labor Cost per unit \$ 11.52

Total Cost Per Unit \$ 490.52

Total Cost Per Linear Foot \$ 81.75

Total Cost for Length of levee \$ 859,227.53

Storage Requirement for Muscle Wall 2,943 sq ft

NOTES

this cost analysis assumes the 2' tall and 6' wide muscle walls would be used

Costs were based on numbers provided by representatives from Muscle Wall

Additional material costs include clips, sandbags, and visqueen

Values do not include costs related to water to fill Muscle Wall Units

(i.e. pumps, hoses, water trucks, delivery fees, etc.)

The District assumes that MCWRA would provide storage for all materials or would cover all costs associated with storage. Those costs are not included in this analysis.

Muscle Wall must be stored in covered area, out of direct exposure to sunlight

Storage requirement estimated based on packed dimensions of Muscle Wall on pallettes.

Mobilization and delivery of equipment and materials not included in this analysis