

Minimum Requirements for Retaining Wall Specifications

1. Construction should begin within six (6) months of issuance date of the permit. Once construction begins, the wall should be completed within sixty (60) days.
2. Only walls using sound engineering design and construction will be considered.
3. Only treated material will be allowed in wood wall construction.
4. Base of wall should be installed as close to the existing shoreline as possible.
5. Minimum height of the wall is to be at elevation 842 feet MSL; actual height to be determined by site inspection, location, and terrain conditions.
6. Timber bulkhead crossmembers must be square cut type lumber, so that they fit flush without gaps.
7. Non-woven polyester needle punched filter fabric must be installed, as shown on the attached drawing, along and on the entire surface of the wall. Minimum acceptable filter fabric will weigh eight (8) ounces per square yard.
8. Wall must have toe protection a minimum of 1/3 of the wall height. Toe protection will be stone riprap, no broken concrete or other rubble will be permitted. Filter fabric (as specified above) must be installed under the toe protection as shown on the attached drawing.
9. Weepholes . . . minimum of one between each post, two (2) inch diameter PVC pipe for wooden walls, one (1) inch PVC pipe for concrete walls. Weepholes are to be located within one foot from the bottom elevation and must be covered by filter cloth.
10. Tie-backs . . . should be of sound engineering design and construction compatible with the type of wall proposed. Tie-back cables must be a minimum of 1/2" diameter and be connected to posts. Minimum is one tie-back for each post used.
11. Anchor should be a concrete or treated wood post (minimum 6" diameter).
12. Fill material . . . Must be clean, sandy fill dirt, and free of rocks, broken concrete, bricks, or other debris. Upper layer should be topsoil and be grassed immediately upon completion of the wall.

13. See chart:

<u>Wall Height</u>	<u>Max. Distance Between Posts Using</u>		<u>Min. Post Size</u>
	<u>4x4 Facing</u>	or <u>2x6 Facing</u>	
4 feet	8 feet	6 feet	6x6
5 feet	6 feet	6 feet	6x6
6 feet	4 feet	4 feet	8x8