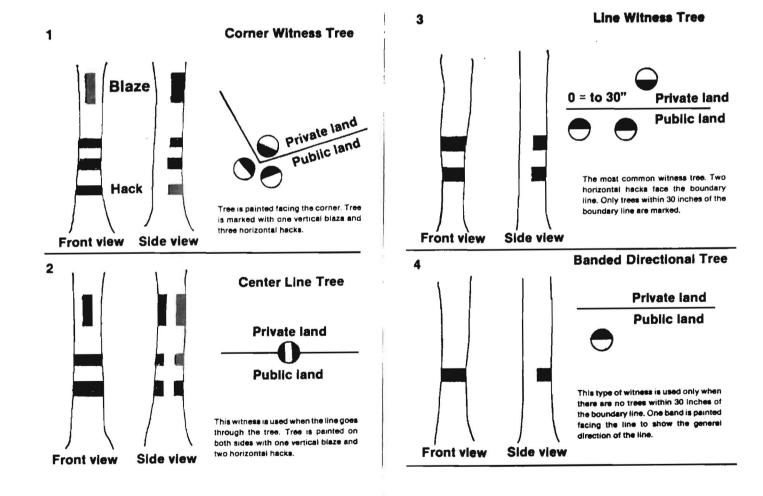


## BOUNDARY LINE

The Corps of Engineers requests the help of all citizens in preventing encroachments on the public land around West Point Lake. To assist in identifying the public property on West Point Lake, the boundary line is marked with red paint. Corners are marked by steel pipes or concrete monuments.

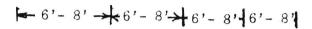
The red paint is placed on witness trees near the boundary line. Drawings 1 through 4 illustrate the different types of markings and describe their meanings.

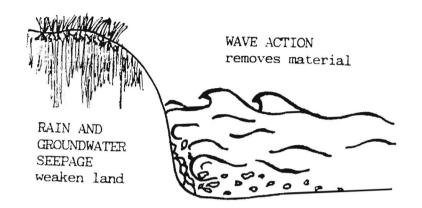


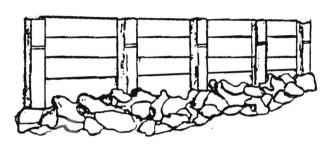


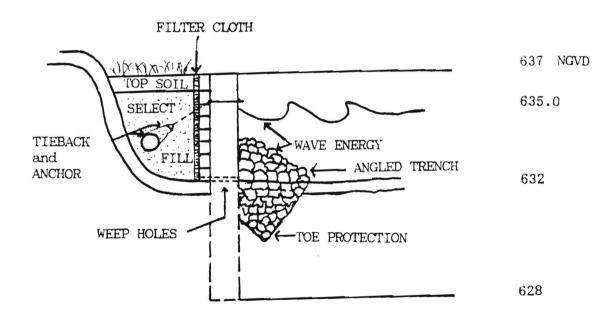
## Bulkheads and Seawalls

Piles on 6' Min 8' Max Centers









Shoreline Erosion Control

- (1) Maximum length of shoreline protection structure covered under Nationwide permit is 500', with a maximum of one cubic yard of backfill per linear foot, not to exceed 500 cubic yards. Shoreline protection exceeding these limits will require a Section 404 Permit.
  - (2) No concrete block walls are allowed.
- (3) Must submit a plan showing proposed dimensions and construction materials

Minimum Requirements - Retaining Wall Specifications

- 1. Construction should begin within six (6) months of issuance date of permit. Once construction begins, the wall should be completed within one year, not to exceed three years. Wall should be designed for construction at elevation 635.0 feet NGVD.
- 2. Only walls using sound engineering design and construction will be considered.
- 3. Only treated material will be allowed in wood wall construction.
- 4. Minimum height 637 feet NGVD; actual height to be determined by site inspection, location and terrain conditions.
- 5. Timber bulkhead crossmembers must be square cut type lumber, so that thev fit flush without gaps. The lumber may be 2" x 6" or 2" x 8"; however, larger crossmembers may be required if site conditions warrant.
- 6. Wall must have toe protection a minimum of 1/3 of wall height. Type material and gradation must be noted on plan.
- 7. Plastic filter cloth must cover entire wall. Plastic filter cloth shall be Type III, erosion control cloth, with an EOS (equivalent opening size) of forty (40), or equal. Filter cloth shall be secured to the wall as recommended by the manufacturer.
- 8. Weepholes Minimum one between each post, approximately two (2) inches in diameter. To be located within one foot from bottom elevation. Weepholes must be covered by filter cloth.
- 9. Maximum distance between posts is eight (8) feet. Posts should be a minimum size of  $6" \times 6"$ . Minimum post depth below bottom elevation is four (4) feet.
- 10. Tiebacks Should be of sound engineering design and construction compatible with the type wall proposed. Tiebacks must connect to posts. Minimum is one every eight (8) feet.
- 11. Fill material Must be clean fill material and free of rocks, broken concrete, bricks, and other debris. Upper layer should be planted with herbaceous native vegetation immediately upon completion of wall.

