

## Boat Ramp Specification

### Project Description:

Widen the north side of the boat ramp located at the south end of Lakeshore Drive and install a new retaining wall. Reduce the slope to the water and extend the boat ramp using pre-cast concrete slabs anchored in place, or similar fix. Install a removable 20' dock extending into the canal. Fabricate a removable wooden retaining wall to block off the boat ramp during unusual high tides. The boat ramp property lines will be demarcated by the Village.

### Bid Quote:

- Contractor responsible for obtaining all necessary permits.
- Widen the existing boat ramp
  - Remove the existing north retaining wall.
  - Remove earth to widen and square up the ramp.
  - Install a new metal retaining wall to match the height of the retaining wall along the canal.
  - Backfill, grade to 2" below the top of the retaining wall, add weed liner, and fill with pea gravel.
- Soften the slope from Lakeshore Drive to the canal. The angle of descent into the canal on the existing ramp is too steep, resulting in a sharp angle where the boat ramp meets Lakeshore Drive. This results in the unsafe upward pressure on some trailer tongues as they drag on the road during ramp use.
  - Remove the peak at the top of the ramp by removing existing concrete and earth.
  - Reduce the slope of the ramp between Lakeshore Drive and the canal.
  - Resurface the boat ramp with 4" concrete.
- Extend the boat ramp into the canal to remove the drop-off.
  - Grade the area at the end of the existing boat ramp to allow laying pre-fabricated concrete slabs in place (see [www.shawneesteps.com/boatramps.htm](http://www.shawneesteps.com/boatramps.htm) for an example), or similar fix.
  - Stake or pin the concrete slabs in place.
  - Back fill in between the slabs with gravel to stabilize.
- Install a 4' wide by 20' long removable boat dock to be anchored to the canal retaining wall, or anchored to additional poles to be installed to retain the dock.
- Fabricate a wooden retaining wall, with a means to hold it in place, of sufficient construction to withstand a side load due to rising tide.



South Wall of Boat Ramp



North Wall of Boat Ramp



Looking West Down Boat Ramp



Looking Up Boat Ramp at Lakeshore Drive



Looking at Northwest Corner of Boat Ramp