

# **Waterfront Construction, Inc**

## **Project Description & Construction Sequence**

### **Phillips, Ken – Mercer Island Dredging**

#### **A. Project Location**

The project is located at a single family residence with a personal use pier. The project lot size is 42, 584 s/f. The project site is located at 1945 82<sup>nd</sup> Ave SE, Mercer Island, WA 98040. The property is situated in the SE Quarter of Section 1, Township 24, Range 04 at 47.5926 N Latitude and -122.2299 W Long. Tax lot# 544930-0092.

#### **B. Project Description**

Dredging of 385 +/- cubic yards of mud lake bottom to allow moorage for owner's vessel. No work proposed on existing pier or bulkhead.

#### **C. Construction Technique & Sequencing**

##### **1. Pre-Fabrication**

All construction materials will be loaded onto the crane barge in e contractor's Seattle yard and transported to the site for installation.

##### **2. Site Preparation**

This site requires no preparation prior to construction.

##### **3. Onsite Construction**

- Mobilize construction barge and moor at the site with all required materials and equipment, taking care to insure the barge does not ground out on the lake bottom at any time during construction.
- Install a silt containment fence for duration of the dredging, consisting of a floating sediment/turbidity curtain anchored to the substrate.
- Using barge based crane and clam shell dredge, dredge the moorage area of 2600 SF, removing 385 CY of mud lake bottom, as outlined on the permit drawings.
- All spent materials will be stored on construction barge for disposal at an approved upland disposal site.
- See permit drawings for details.

##### **4. Equipment used**

All construction equipment and materials used in this project will be stationed on the construction barge.

##### **5. Materials used**

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No new materials are proposed to be installed.

## **6. Work Corridor**

The construction barge will operate offshore to avoid bottom and shoreline disturbances that could occur with ground-based equipment. All staging will take place on the barge.

## **7. Staging Area**

The barge will hold all construction materials during the project and all construction debris will be held in a 20 c/y steel debris container that is secured on the barge for upland disposal later.

## **8. Running of Equipment During Construction**

Equipment will be running off and on during the construction phase, only when required, and only during allowed work hours.

## **9. Clean-Up**

All construction debris will be removed and loaded into a 20 c/y steel debris container secured on the construction barge during construction. Debris is then transported by barge to the contractor's Seattle yard, off-loaded, and shipped to an approved upland disposal site.

## **10. Project Timing**

All proposed construction will take place during daylight hours in approved work windows unless work needs to be coordinated with evening hours to facilitate construction in the approved work window.

## **11. Duration of Construction**

On site construction will take between 5 to 6 working days.