Applicant Information

Project Address: 7601 W. Mercer WayMercer Island, WA 98040

Parcel Number: 936200-0030

Applicant: Seaborn Pile Driving Company, 1080 W Ewing St Building B, Seattle, WA 98119 206-236-1700

Property Owner: Suzanne Skinner

Legal Description: WHITE-WILKINSON ADD LOT C MI SP #78-4-016 REC # 7805310900 TGW UND INT IN TR X SD SP TGW UND 1/7 INT IN PVT RD & 2ND CL SH LDS ADJ SD SP DAF - LOTS B & C SD PLAT

Description of Work: We propose to repair (12) existing piles and replace the existing wood bulkhead and stairs with new granite rock.

Job specific comments

Purpose
The proposed dock is to provide for safe boat moorage and safe water recreational activities for a single-family residence.

Water Quality
In order to prevent debris from entering the lake during the demolition stage of the project, a containment boom will surround the crane barge and work area.

Permits

Mercer Island Exemption w/ SEPA Review Permit:
We are applying for the permit to be reviewed under the:

"Development Standards for Replacement, Repair and Maintenance of Overwater Structures, Including Moorage Facilities" per MIMC 19.07.110(6)(b).

Mitigation

Fully grated deck: The proposed dock will have a fully grated deck to provide light penetration below the dock where there is no light penetration with the existing structure.

Contractor: Seaborn Pile Driving Company License #: SEABOPD942CG
Address: 1080 W Ewing St. Bldg B. Seattle WA 98119
Office: 206.236.1700 Mobile: 253-459-3267
Contact: Madison Johnson Email: permits@seabornpiledriving.com

Construction Narrative

Mobilization

Mobilize crew, crane barge, supply and debris barges, and materials on site

Pile Repair Standard Pile Stub Method

1. Construct a silt fence/boom waterward of the bulkhead to contain any silt and debris that may be generated during construction.
2. Cut the pile below the waterline.
3. Using a steel can pile attach it to the exiting stub with epoxy-coated steel thru-bolts and nuts.
4. Confirm the pilings are straight and solid.
5. Cut the pilings to elevation.
6. Attach the new pile repair to the existing pile cap.
7. Clean the work area and remove the silt fence/boom.

Rock Bulkhead Repair

1. Construct a silt fence/boom waterward of the bulkhead to contain any silt and debris that may be generated during construction.
2. Remove soil and material from behind the bulkhead.
3. Remove 5' sections at a time of existing bulkhead and replace with new rock as needed per scope of work.
4. Install filter fabric into the excavated area and backfill with 2” – 4” cleaned crushed rock, and then envelope with the filter fabric.
5. Finish with 10” – 12” of topsoil and blend into the existing elevation.
6. Clean the work area and remove the silt fence/boom.

Structural Notes

General

- All materials, workmanship, design, and construction shall conform to the submitted drawings and the International Building Code.
- The contractor will be responsible for all safety precautions and methods and processes to perform the designated work.

Design Criteria

- The existing design and construction meets the live load specification of a minimum of 40 PSF.

Materials

All materials used in the construction of the dock will be for use on the water and of the highest quality available on the market. All materials will conform to the International Building Code.

For example:

- Wood piles and pile stubs. The proposed wood pile stub will be Class B (12" @ 3' from Butt) – 40' Douglas Fir pilings per ASTM D-25.
- Steel pile collars – ASTM A53 GrB with Devran 261QC low temperate cure epoxy (16 mils) finish coated full length.
- Structural Lumber – All lumber will be graded and marked in conformance with WCLIB standard grading rules.
- Fasteners – All fasteners, bolts, nuts and nails will be epoxy-coated.
- Decking – The decking will consist of SunWalk fiberglass grating which is pet and children friendly and will provide years of safe and comfortable use.

Preservatives

- All wood preservatives to be state approved and will be applied and fully cured prior to installation over the water.
- All hardware and fasteners to be epoxy-coated.

Best Management Practices

1. **Above the Water Line Work**

    1. Seaborn Pile Driving Company will employ one each crane barge, one supply and one debris barge to complete the scope of work. A tug will tow the barges on and off the job site.

    2. Seaborn Pile Driving Company personnel working in, near or over the water will at all time wear either USCG approved life vests or work vest as well as hard hats and safety glasses.

2. **Material Handling**

    1. While at the job site, a floating containment boom will completely surround the work area.
    2. All removed piles and the existing dock structure will be placed on the debris barge where they will be contained and kept out of the lake.

3. **Hazardous Materials**
    - No hazardous materials will be mixed or stored in or near the water. No cleaning of materials will be performed in or near the water.

4. **Polluting Materials in Water**

    - Seaborn Pile Driving Company will take extra precautions to ensure materials don't fall into or pollute the water. Any material that enters the water will be removed immediately. Any hazardous material such as oily rags will not be handled near or over the water.
    - A spill kit will be employed on the barges at the job site.
    - If any pollutants enter the water, Seaborn Pile Driving Company will contact the appropriate agencies and report the spill immediately.

5. **Materials Disposal**

    - Seaborn Pile Driving Company will dispose of the rotten wood and pile sections in an approved legal disposal site in accordance with all applicable laws and permit requirements.