

FLOODPLAIN STANDARDS

City of Portland

Sec. 14-450.8. Standards.

(a) All development: All development shall:

1. Be designed or modified and adequately anchored to prevent flotation (excluding piers and docks), collapse or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;

The proposed pier extension will be supported with pilings driven to refusal in the underlying substrate. The existing pier utilizes the same support system and has resisted collapse and lateral movement.

2. Use construction materials that are resistant to flood damage;

The proposed pier extension will utilize CCA-treated lumber with stainless steel hardware.

3. Use construction methods and practices that will minimize flood damage; and

The proposed pier extension will utilize construction methods and practices that are industry standard. This includes the use driving piles to refusal and elevating the pier three (3) feet above the Highest Annual Tide (HAT) to minimize the potential for flood damage.

4. Use electrical, heating, ventilation, plumbing, and air conditioning equipment, and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during flooding conditions.

N/A