## NR 18-08 / US 18-02

Natural Resources Overlay District & Geologic Hazard Overlay Review For Boat Dock, Patio, and Access Stairs in Canemah 11/14/2018 – Natural Resources Committee

Clackamas County Map 2-1E-36DD, Tax Lot 200



## Code Criteria

#### Oregon City Municipal Code

- Administration and Procedures are set forth in Chapter 17.50
- Natural Resource Overlay District in Chapter 17.49;
- *Geologic Hazards in Chapter 17.44;*
- Flood Management Overlay District in Chapter 17.42,
- Willamette River Greenway in Chapter 17.48; and
- R-6 Dwelling District in Chapter 17.08

The City Code Book is available on-line at <a href="https://www.orcity.org">www.orcity.org</a>



# Project Description

- The Applicant has river access through an easement that is located on Tax Lot 200, Map No. 2-1E-36DD. The property is owned by the Canemah Club.
- The boat dock, access stairs and patio were constructed starting in 2013. The applicant wishes to retain the existing improvements.
- The easement contains a permitted dock, and easement improvements including a concrete "Manor Stone" type block stairway for pedestrian access, low "Manor Stone" concrete block retaining walls, a rock retaining wall, a graded fine gravel patio with 356 square feet, and a Manor Stone block fire pit and approximately 259 square feet of a concrete patio.
- Additional site work included grading, removal of existing vegetation (mostly invasive) and new landscaping



# Project Description

- Note: The development is located below the "top of bank". The site is small and consists of a steep rocky bank
- Current owners purchased the home with easement rights to the dock in 2015
- Code Enforcement process initiated in 2016
- On-land improvements trigger certain permitting requirements (however, floating docks are exempt from city planning requirements)
- To remedy the project impacts and assure code is met, the owners have applied for the applicable Land Use approvals
- Requires a Type III Review (Planning Commission)
- Planning Commission public hearing is scheduled for November 26,
   2018,

7 p.m. at City Hall, 615 Center St, Oregon City



## Permits

## **Building Permits**

Floodway, possible structural permits for stairs, retaining walls

### Land Use (Planning)

- Natural Resources Overlay District
  - Mitigation Plan and Report prepared by a qualified environmental professional
- Geologic Hazard Review
  - Geologic Assessment and Geotechnical Report prepared by a geotechnical engineer/licensed engineering geologist
  - Assess site grading, amount of cut and fill

### **Public Works**

- Revocable Right-of-Way Permit for Staircase
- Grading Permit

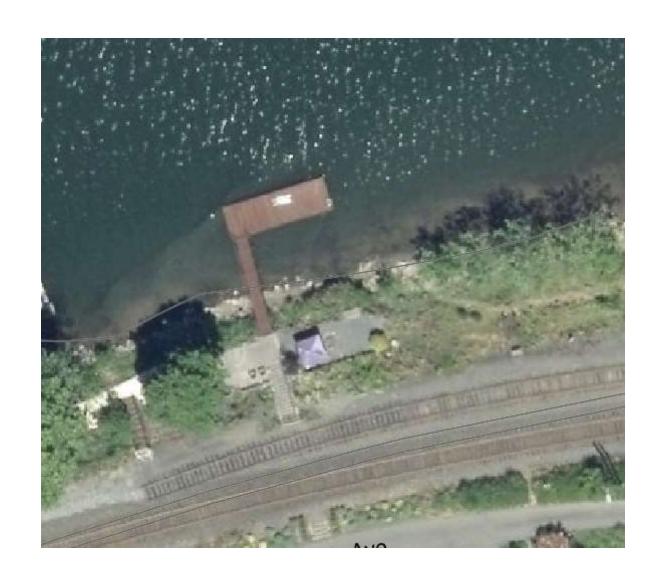


## Vicinity

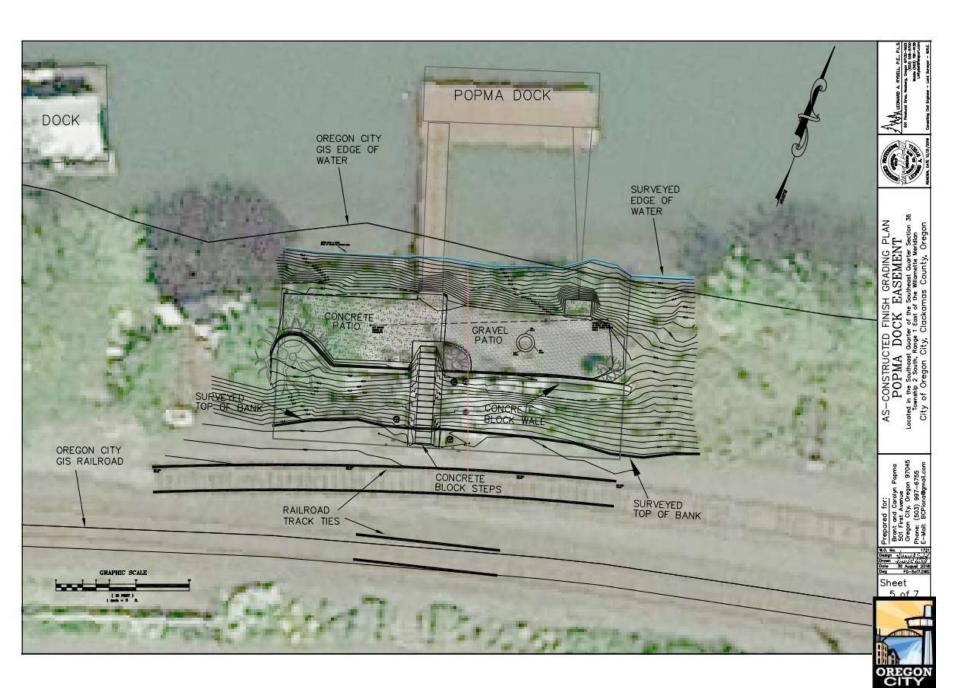




## Site - Aerial Photo









EAST GRAVEL PATIO AND WALL





RIVER BANK AND DOCK LOOKING NORTHEAST TOWARDS FALLS





RIVER BANK FROM DOCK LOOKING DOWNSTREAM





PATIO LOOKING UPSTREAM





PATIO DURING FLOODING



### Exhibit 7D Looking Downstream







# Mitigation

- Note: The development is located below the "top of bank". The site is small and consists of a steep rocky bank.
- Removal of non-native invasive vegetation from the easement area's frontage on the river.
- Planting of appropriate native plant materials to enhance the resource values of the property's frontage on the river.
- There is no vegetated corridor along this stretch of the Willamette River because of the existing site development and grading associated with the railroad.

#### VEGETATION REMOVAL AREAS



Remove Noxious Reed Canary Grass



Remove Noxious Ox-eye Daisy



Remove Noxious, Invasive or Non Native Annuals or Perennials



Remove Blackberry



Remove Invasive Shrubs

#### VEGETATION REMOVAL NOTES

#### VEGETATION RETENTION NOTES

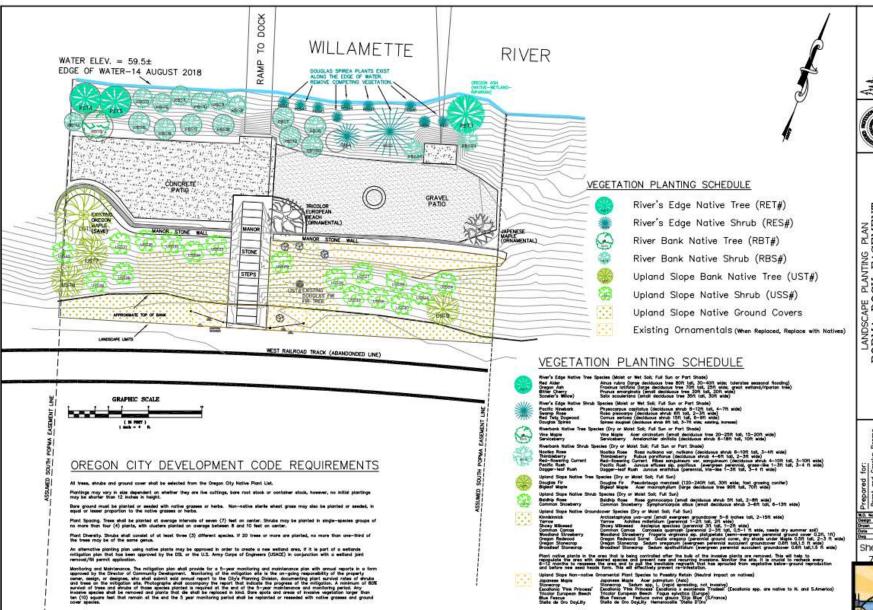


VEGETATION REMOVAL PLAN POPMA DOCK EASEMENT City



Sheet





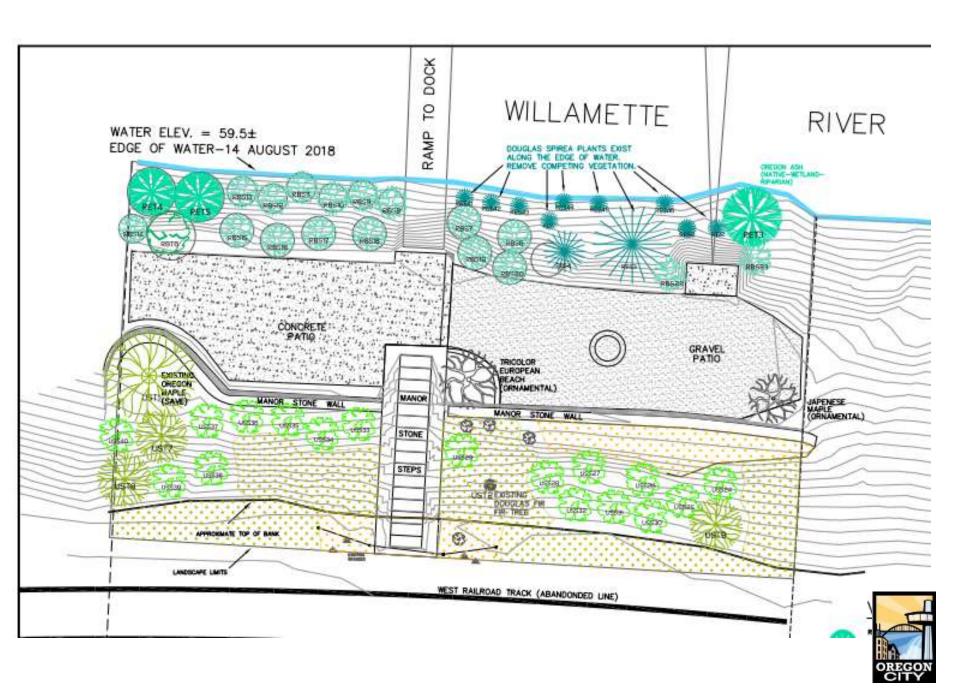


LANDSCAPE PLANTING PLAN
POPMA DOCK EASEMENT
sed in the Southoast Quorter of the Southoast Quorter Section
Township 2 South, Ronge 1 East of the Milmentite Meridian
by of Oregon City, Clackamas County Channel City

Sheet

7 of 7





### VEGETATION PLANTING SCHEDULE



River's Edge Native Tree Species (Moist or Wet Soil; Full Sun or Part Shade)

Alnus rubra (large deciduous tree 80ft tall, 30-40ft wide; tolerates seasonal flooding) Red Alder Fraxinus latifolia (large deciduous tree 70ft tall, 25ft wide; great wetland/riparian tree) Oregon Ash

Bitter Cherry Prunus emarginata (small deciduous tree 30ft tall, 20ft wide) Scowler's Willow) Salix scouleriana (small deciduous tree 35ft tall, 30ft wide)

River's Edge Native Shrub Species (Moist or Wet Soil; Full Sun or Part Shade)

Pacific Ninebark Physocarpus capitatus (deciduous shrub 8-12ft tall, 4-7ft wide) Rosa pisocarpa (deciduous shrub 6ft tall, 2-3ft wide) Swamp Rose

Red Twig Dogwood Cornus sericea (deciduous shrub 15ft tall, 6-9ft wide)

Douglas Spirea Spiraea douglasii (deciduous shrub 6ft tall, 3-7ft wide; existing, increase)



Riverbank Native Tree Species (Dry or Moist Soil; Full Sun or Part Shade)

Vine Maple Acer circinatum (small deciduous tree 20-25ft tall, 15-20ft wide) Vine Maple Serviceberry Amelanchier alnifolia (deciduous shrub 6-18ft tall, 10ft wide) Serviceberry



Nootka Rose Nootka Rose Rosa nutkana var. nutkana (deciduous shrub 6-10ft tall, 3-4ft wide)

Thimbleberry Thimbleberry Rubus parviflorus (deciduous shrub 4-6ft tall, 2-3ft wide)

Red-flowering Current Red-flowering Current Ribes sanguineum var. sanguineum (deciduous shrub 4-10ft tall, 3-10ft wide) Juncus effuses sip. pacificus (evergreen perennial, grass-like 1-3ft tall, 3-4 ft wide) Pacific Rush

Dagger-leaf Rush Juncus ensifolius (perennial, Iris-like 1-3ft tall, 3-4 ft wide)



Dagger-leaf Rush

Stella de Oro DayLilly

Upland Slope Native Tree Species (Dry or Moist Soil; Full Sun)

Douglas Fir Douglas Fir Pseudotsuga menziesii (120-240ft tall, 30ft wide; fast growing conifer)

Bigleaf Maple Bigleaf Maple Acer macrophyllum (large deciduous tree 90ft tall, 70ft wide)



Upland Slope Native Shrub Species (Dry or Moist Soil; Full Sun)

Baldhip Rose Baldhip Rose Rose gymnocarpa (small deciduous shrub 5ft tall, 2-8ft wide)

Common Snowberry Common Snowberry Symphoricarpos albus (small deciduous shrub 3-6ft tall, 6-13ft wide)



Upland Slope Native Groundcover Species (Dry or Moist Soil; Full Sun)

Kinnikinnick Arctostaphylos uva-ursi (small evergreen groundcover 5-8 inches tall, 2-15ft wide) Yarrow Achillea millefolium (perennial 1-2ft tall, 2ft wide)

Showy Milkweed Asclepius speciosa (perennial 3ft tall, 1-2ft wide) Showy Milkweed

Common Camas Common Camas Camassia quamash (perennial 2-3ft tall, 0.5-1 ft wide, needs dry summer soil)

Woodland Strawberry Woodland Strawberry Fragaria virginiana sip. platypetala (semi-evergreen perennial ground cover 0.2ft, 1ft) Oregon Redwood Sorrel Oxalis oregana (perennial ground cover, dry shade under Maple 0.5ft tall, 2-3 ft wide) Oregon Redwood Oregon Stonecrop Sedum oreganum (evergreen perennial succulent groundcover 0.6ft tall, 1.5 ft wide) Oregon Stonecrop

Broadleaf Stonecrop Sedum spathulifolium (evergreen perennial succulent groundcover 0.6ft tall,1.5 ft wide) Broadleaf Stonecrop

Plant native plants in the area that is being controlled after the bulk of the invasive plants are removed. This will help to repopulate the area with desired species and prevent new and recurring invasions. Monitor the site. It is crucial to recheck every 6—12 months to reassess the area and to pull the inevitable regrowth that has sprouted from vegetative below—ground reproduction and before new seed heads form. This will effectively prevent re—infestation.



Upland Slope Non-native Ornamental Plant Species to Possibly Retain (Neutral impact on natives)

Japanese Maple Japanese Maple Acer palmatum (Asia) Stonecrop

Stonecrop Sedum spp. L. (rapid spreading, not invasive) Escallonia 'Pink Princess'

Escallonia 'Pink Princess' Escallonia x exoniensis 'Fradesii' (Escallonia spp. are native to N. and S.America

Tricolor European Beech Fagus sylvatica (Europe) Tricolor European Beech Blue Fescue Festuca ovina glauca 'Elija Blue' (S.France) Blue Fescue

Stella de Oro DayLilly Hemerocallis 'Stella D'Oro'

