

SLEATER-KINNEY POND TREE REMOVAL

940 Sleater-Kinney Rd. NE
Lacey WA 98506

Prepared for: City of Lacey Community and Economic Development

Prepared by: Riley Stark – City of Olympia Department of Public Works

Date of Report: July 7, 2022

Introduction and Overview: The storm water facility at 940 Sleater-Kinney Rd. NE captures and treats stormwater from certain neighborhoods in northeast Olympia. Since its construction, native and naturalized trees have grown into the bottom of the pond, impeding maintenance access, and interfering with function of the facility. These interfering trees will need to be removed. Pursuant to Lacey Municipal Code (LMC) 14.32.045 (C), a Class IV Forest Practices Application is necessary for maintenance and thinning of trees on this property.

Site Description: The City of Olympia property at 940 Sleater-Kinney Rd. NE is a rectangular parcel that includes 2.08 acres in northwest Lacey. It is bordered by residential properties to the north and south, a developing property to the east, and by Sleater-Kinney Rd. NE to the west. The pond has 2 main treatment cells, separated by a rip-rap flow control structure. Topography on the site is mostly flat to abruptly sloping (<10%) into the ponds themselves. Most of the trees that will need to be removed are in the bottom of the first, or westernmost pond. There are no critical areas or associated buffers near the facility. An aerial photo of the property is provided in Attachment 1.



Photo 1. View of City of Olympia's Sleater-Kinney storm water treatment pond in Lacey looking south.

Sleater-Kinney Pond Tree Removal

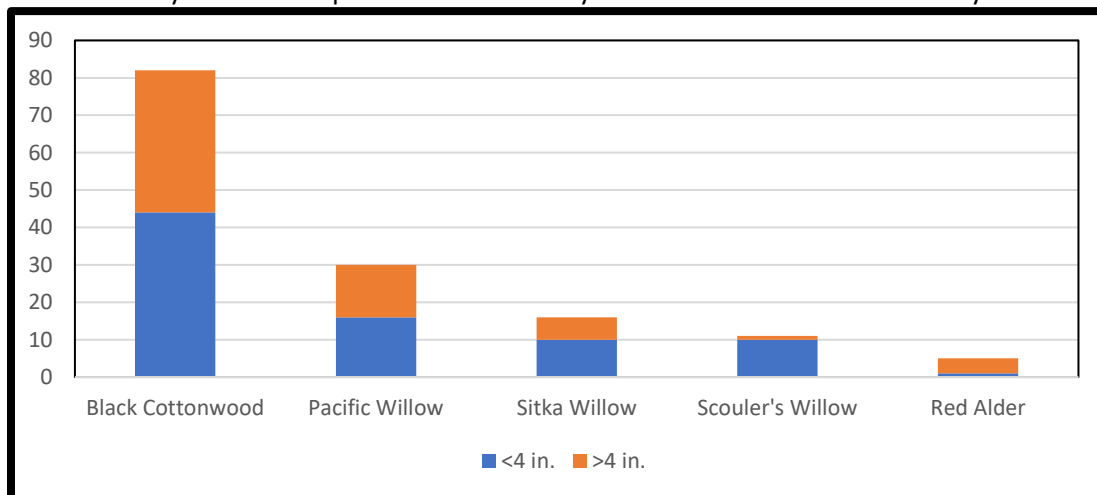
Tree Conditions: The trees at the Sleater-Kinney storm water pond are a mix of mostly deciduous, native, and naturalized species. The most abundant trees on the property include black cottonwood (*Populus trichocarpa*), red alder (*Alnus rubra*), Scouler's willow (*Salix scouleriana*), Pacific willow (*Salix lucida*), and Sitka willow (*Salix sitchensis*) among others. Trees are mostly small, ranging in size from small saplings up to about 12 inches in diameter at breast height (DBH).



Photo 2. View of trees at Sleater Kinney Pond in Lacey. View looking east.

Proposed Thinning and Maintenance: There are a total of **63 Trees** over 4 inches DBH below the high-water mark of the pond that will need to be removed to provide access to maintenance equipment. Additionally, there are **81 trees** to be removed that are less than 4 inches DBH, dead, or are otherwise exempted by section 14.32.050 of LMC. These **144 trees** are summarized by species and diameter class in Table 1 below. A complete list of trees is included in Attachment 2.

Figure 1. Summary of Trees Proposed for Removal by Diameter Class at Sleater Kinney Pond in Lacey.



The 144 trees marked for removal have an orange stripe painted at eye-level. Those trees larger than 4 inches DBH have a number painted at their base corresponding to the table in Attachment 2.

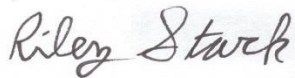
Sleater-Kinney Pond Tree Removal

Removing the 63 trees over 4 inches DBH will not cause the stocking on the site to fall below 80 ft.²/acre, therefore no replanting will be required. The remaining portions of the site include mostly healthy, long-term trees in the dominant and codominant crown classes. The approximate clearing limits are indicated on the aerial photo in Attachment 1.

Summary and Conclusion: Sixty-three (63) trees over 4 inches DBH are proposed for removal at the City of Olympia's stormwater pond at 940 Sleater-Kinney Rd. NE in Lacey. These trees, and 81 smaller trees interfere with the maintenance and function of the facility. Removing the trees will not cause the property to fall below the minimum threshold of 80 ft.²/acre, therefore no replanting will be required.

Please give me a call if you have any questions.

Respectfully submitted,

A handwritten signature in cursive script that reads "Riley Stark". The signature is written in black ink on a light-colored background.

Riley Stark, Habitat Specialist
ISA Bd. Certified Master Arborist
Municipal Specialist, PN-7780BM
(360) 522-6006 – rstark@ci.olympia.wa.gov

Attachment 1. Aerial Photo of Sleater-Kinney Pond Property

(2020 Thurston County GeoData)



- Parcel Boundary
- - - Approximate Clearing Limits

Attachment 2. List of Trees over 4 in. DBH Proposed for Removal
at Sleater-Kinney Pond Property in Lacey

Tree #	Species	DBH (in.)	Tree #	Species	DBH (in.)
1	Red Alder	7.5	33	Black Cottonwood	5, 5
2	Sitka Willow	4, 3, 3	34	Black Cottonwood	6
3	Black Cottonwood	4	35	Black Cottonwood	9
4	Pacific Willow	4, 4, 3, 3	36	Red Alder	6.5
5	Black Cottonwood	9	37	Pacific Willow	5, 5, 4
6	Pacific Willow	5, 4, 4, 4	38	Black Cottonwood	9.5
7	Scouler's Willow	4, 3, 3, 3	39	Black Cottonwood	7
8	Pacific Willow	8	40	Black Cottonwood	8
9	Black Cottonwood	5	41	Black Cottonwood	4.5
10	Sitka Willow	4, 4, 4, 4	42	Black Cottonwood	6, 4.5
11	Pacific Willow	6, 4, 4	43	Black Cottonwood	4
12	Black Cottonwood	6.5	44	Black Cottonwood	9.5
13	Pacific Willow	5	45	Black Cottonwood	9.5
14	Pacific Willow	5	46	Black Cottonwood	7, 7, 4
15	Sitka Willow	5.5	47	Black Cottonwood	7.5, 7
16	Black Cottonwood	9, 9	48	Black Cottonwood	8, 5.5
17	Pacific Willow	6, 4, 3, 4	49	Black Cottonwood	8
18	Black Cottonwood	4	50	Black Cottonwood	7
19	Pacific Willow	5, 4	51	Black Cottonwood	8.5, 5, 8.5
20	Pacific Willow	5.5	52	Sitka Willow	4.5
21	Pacific Willow	6.5	53	Black Cottonwood	10, 4
22	Pacific Willow	8.5	54	Black Cottonwood	8, 4, 4
23	Pacific Willow	6.5	55	Black Cottonwood	7.5
24	Red Alder	12.5	56	Black Cottonwood	5
25	Red Alder	6.5	57	Black Cottonwood	6.5
26	Black Cottonwood	5, 3	58	Black Cottonwood	7.5, 7.5
27	Black Cottonwood	10.5	59	Black Cottonwood	8
28	Black Cottonwood	8.5	60	Black Cottonwood	8
29	Sitka Willow	4.5, 4	61	Black Cottonwood	4.5
30	Pacific Willow	6, 6, 4	62	Black Cottonwood	4.5
31	Black Cottonwood	6	63	Sitka Willow	6
32	Black Cottonwood	4.5			