

**KING CONSERVATION DISTRICT  
BOARD OF SUPERVISORS MEETING  
June 21st, 2022  
5:00 PM to 7:30 PM – via Teleconference Only  
Zoom Link: <https://zoom.us/j/81761288066>  
Call In Number: (253) 215-8782  
Meeting ID: 817 6128 8066**

Meeting Agenda

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Call to Order

**1. Preliminary Matters**

**5:00 PM – 5:05 PM**

- a) Introductions
- b) Additions or Corrections to the Agenda
- c) Adoption of the Board Agenda

**2. Consent Agenda**

**5:05 PM – 5:10 PM**

Items listed below will be enacted by one motion. If separate discussion is desired on an item, that may be removed from the Consent Agenda and placed on the Regular Agenda at the request of a Board Supervisor.

a) Board Minutes

- 1) 05/09/22 KCD Board of Supervisors Meeting
- 2) 05/23/22 KCD Grant Subcommittee Meeting
- 3) 05/23/22 KCD Special BOS Meeting

b) Member Jurisdiction Grant Applications

- 1) AI 22-034: 2022 Kent- Urban Natural Resources Management Program – Phase 1  
- Saavedra
- 2) AI 22-035: Kirkland - Windsor Vista Park Riparian Restoration - Saavedra
- 3) AI 22-036: Bellevue - Bellevue Botanical Garden - Waterwise Garden Enhancement Project  
- Saavedra
- 4) AI 22-037: White River Valley Museum - 2022 Support for Farm and Museum Programs (Auburn)  
- Saavedra
- 5) AI 22-038: Partner in Employment - Youth Restoration Training Crew (YRTC) (Sea Tac)  
- Saavedra
- 6) AI 22-039: King County – 2022 Keeping Farmers Farming Support to King County Ag Program  
- Saavedra

**3. Public Comment**

**5:10 PM – 5:15 PM**

**4. New Employee Introduction**

**5:15 PM – 5:20 PM**

- a) Maya Klem - Forestry

**5. Reports**

**5:20 PM – 5:30 PM**

- a) Executive Director – Méndez-Perez
- b) Board of Supervisors
- c) Washington Federation of State Employees (WFSE)

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- |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>6.</b> | <b>Finance</b><br>a) AI 22-040: April 2022 Financial and Check Register – Lewis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>5:30 PM – 5:50 PM</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| <b>7.</b> | <b>Presentations</b><br>a) Envirothon Presentation – Wolf<br>b) Forestry Program - Arnstein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>5:50 PM – 6:20 PM</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| <b>8.</b> | <b>New Business</b><br>a) AI 22-041: WSCC CREPS Grant Approval 2022 - Lewis<br>b) Working Lands initiative 2022 Work Plan – Arnstein/Stockton<br>c) AI 22-042: Server Room HVAC – Mendez-Perez<br>d) AI 22-043: 2021 Annual Report – Draft - First Look- Dostal<br>e) AI 22-044: WSCC NRI Grant Project – Limited Public Works Project Bids and Recommendation for Contract Award – Lasecki<br>f) AI 22-045:Cunningham / Cedar Grove First Look – Redmond<br>g) AI 22-046: Hope-Forest Health Management– Redmond<br>h) AI 22-047: McKittrick – Stream Crossing First look - Redmond | <b>6:20 PM – 7:20 PM</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| <b>9.</b> | <b>Unfinished Business</b><br>a) 22-029 LIP Application – Downing – Riparian Forest Buffer – Redmond<br>b) 22-030 LIP Application – Iyer – Stream Crossing – Redmond – Redmond<br>c) 22-031 LIP Application – Riojas – Waste Storage Facility – Redmond<br>d) 22-032 LIP Application – Shixu – Riparian Forest Buffer – Redmond                                                                                                                                                                                                                                                      | <b>7:20 PM – 7:30 PM</b> |



# Consent Agenda

# KING CONSERVATION DISTRICT

## Board of Supervisors Meeting Minutes

May 9th, 2022

1 **Supervisors Present:** Kirstin Haugen – Chair, Bill Knutsen – Supervisor, Brittney Bush Bollay  
2 – Supervisor, Burr Mosby – Supervisor, Chris Porter – Vice Chair

3 **Supervisors Not Present:**

4 **Guests Present:** Jean Fike – WSCC, Alan Chapman – WACD, Carmela Ennis –  
5 King County Council, Erin Reed – YPTC

6 **Staff Present:** Lorna Miss, Kathryn Lewis, Rosa Méndez-Perez, Jessica Saavedra, Elizabeth  
7 Clark, Laura Redmond, Maria Chang-Ward, Anastasia McDaniel

8 **Preliminary Matters:**

9 Chair Haugen called the meeting to order at 5:02 PM. All attendees introduced themselves.

10 Chair Haugen asked for any additions or corrections to the agenda.

11 **Bush-Bollay moved; Mosby seconded, passed unanimously a motion to approve the**  
12 **amended agenda (4 ayes, 0 nays).**

13 **Knutsen moved; Bush-Bollay seconded, passed unanimously a motion to approve the**  
14 **consent agenda (4 ayes, 0 nays).**

15 **Public Comment:** There was no public comment.

16

17 **New Employee Introduction:**

18

19 Executive Director Méndez-Perez introduced new employees Maria Chang-Ward, the new  
20 Finance Coordinator and Anastasia McDaniel, the new Finance and Contracts Coordinator.

21 **Reports:**

22

23 Executive Director Méndez-Perez provided a monthly report to the Board. A detailed letter  
24 was provided in the Board packet including updates on staff hiring, building management  
25 issues, Strategic Planning, and the compensation study.

26 **Board Reports:**

27 Knutsen discussed potential King County Flood Control funding.

28 **WFSE:** No update provided.

Page 2 of 2  
Board of Supervisors Meeting Minutes  
May 9, 2022

29 **Finance:**

30 Erin Reed presented AI 22-027: March 2022 financials and check register. First quarter 2022  
31 financials will be considered at the June meeting in a revised format.

32 **Knutsen moved; Bush-Bollay seconded, passed unanimously a motion to approve the**  
33 **AI 22-027: March 2022 Financials and Check Register (5 ayes, 0 nays).**

34 **New Business:**

35 Kathryn Lewis presented AI 22-028: Credit Card Policy for first reading.

36 Laura Redmond presented four Landowner Incentive Program applications for first reading:  
37 AI 22-029: Downing – Riparian Forest Buffer, AI 22-030: Iyer – Stream Crossing, AI 22-  
38 031: Riojas – Waste Storage Facility, and AI 22-032: Shixu – Riparian Forest Buffer.

39 Méndez-Perez presented the Commission Budget Priorities Survey for discussion only.

40  
41 Méndez-Perez presented AI 22-033: Engineering Policy for consideration.

42  
43 **Knutsen moved Mosby seconded, passed unanimously a motion to approve AI 22-033:**  
44 **Engineering Policy (5 ayes, 0 nays).**

45 There was no more business before the Board.

46  
47 **Porter moved; Mosby seconded, passed unanimously a motion to adjourn the meeting**  
48 **at 6:23 PM (5 ayes, 0 nays).**  
49

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52 \_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

53

54

**Summary of Motions**

55

KING CONSERVATION DISTRICT

Board of Supervisors

Grant Subcommittee Meeting

Meeting Minutes

May 23<sup>rd</sup>, 2022

1 **Supervisors Present**, Kirstin Haugen – Chair, Burr Mosby, Bill Knutsen, Brittney Bush Bollay

2 **Associate Supervisors Present:** None.

3 **Guests Present:** Margaret Wagner and Garin Lee, City of Kent

4 **Staff Present:** Jessica Saavedra, Mary Embleton, Rosa Mendez-Perez, Kathryn Lewis, Maria  
5 Chang-Ward, Anastasia McDaniel

6 **Preliminary Matters:**

7 Meeting called to order at 5:01 pm by Kirstin Haugen.

8 Saavedra requested an amendment to the agenda to add a grant application from King County for  
9 the Keeping Farmers Farming 2022 Support for the King County Agriculture Program.

10 **Mosby moved, Knutesen seconded, unanimously passed a motion to approve the agenda as**  
11 **amended.**

12 Margaret Wagner began her presentation on the Kent proposal and how they got to this point with  
13 the program. The subcommittee expressed that they were pleased with the new focus of the  
14 program.

15 Applications

16 **Knutsen moved, Bush Bollay seconded, unanimously passed a motion to recommend the**  
17 **Member Jurisdiction grant application from the City Kent for the Urban Natural Resources**  
18 **Management Program – Phase 1 project for approval at the next Board of Supervisors**  
19 **meeting.**

20 **Knutsen moved, Bush Bollay seconded, unanimously passed a motion to recommend the**  
21 **Member Jurisdiction grant application from the City of Kirkland for the Windsor Vista**  
22 **Park Riparian Restoration project for approval at the next Board of Supervisors meeting.**

23 **Mosby moved, Bush Bollay seconded, unanimously passed a motion to recommend the**  
24 **Member Jurisdiction grant application from the City of Bellevue for the Bellevue Botanical**  
25 **Garden - Waterwise Garden Enhancement Project for approval at the next Board of**  
26 **Supervisors meeting.**

KING CONSERVATION DISTRICT

Board of Supervisors

Grant Subcommittee Meeting

Meeting Minutes

May 23<sup>rd</sup>, 2022

27 **Mosby moved, Knutsen seconded, unanimously passed a motion to recommend the Auburn**  
28 **Member Jurisdiction grant application from White River Valley Museum for the 2022**  
29 **Support for Farm and Museum Programs for approval at the next Board of Supervisors**  
30 **meeting.**

31 **Bush Bollay moved, Mosby seconded, unanimously passed a motion to recommend the**  
32 **Member Jurisdiction grant application from Partner in Employment (PIE)for the Youth**  
33 **Restoration Training Crew (YRTC) project for approval at the next Board of Supervisors**  
34 **meeting.**

35 **Bush Bollay moved, Mosby seconded, Knutsen abstained, passed a motion to recommend the**  
36 **Member Jurisdiction grant application from King County for the Keeping Farmers Farming**  
37 **2022 Support for the King County Agriculture Program for approval at the next Board of**  
38 **Supervisors meeting.**

39 Amendments

40 **Knutsen moved, Mosby seconded, unanimously passed a motion to approve the amendment**  
41 **request from the City of Bellevue for the Scoping Animal Relief Areas for Bellevue project**  
42 **extending the completion date from 6/30/22 to 12/23/22.**

43 Regional Food System Grant Program Items

44 Embleton provided an update about this year's grant process for Regional Food System  
45 Competitive Grant Program. She informed the subcommittee that the grant application will be  
46 online utilizing KCD's online grant portal provided by Foundant Technologies. This is in order to  
47 be consistent across KCD grant programs and utilize the technology we have to lead a process that  
48 is simpler for community organizations to navigate. Saavedra is building the process in the portal,  
49 and we will have a workshop about how to use the portal. She said that there is \$600,000 for  
50 strategic initiatives and \$300,000 for competitive grants. The hope is that the process is easier for  
51 community groups and recommended that the per application limit be increased from \$20,000 to  
52 \$50,000. While this leads to fewer applications being approved, with prices going up, the  
53 application limit needs to be increased.

54 **Knutsen moved, Mosby seconded, unanimously passed a motion to approve the increase in**  
55 **the per application limit from \$20,000 to \$50,000 for the 2022 Regional Food System**  
56 **Competitive Grant Program.**

KING CONSERVATION DISTRICT

Board of Supervisors

Grant Subcommittee Meeting

Meeting Minutes

May 23<sup>rd</sup>, 2022

57 Bush Bollay moved, Knutsen seconded, unanimously passed a motion to approve the  
58 amendment to the Business Impact NW Strategic Initiative Project renewing the contract  
59 for 2022-2023 and \$150,000 in roll forward funds.

60 Knutsen moved, Mosby seconded, unanimously passed a motion to approve the amendment  
61 request from Gathering Roots Wellness extending the completion date from 11/30/21 to  
62 12/31/23.

63 Knutsen moved, Bush Bollay seconded, unanimously passed a motion to approve the  
64 amendment request from South King County Food Coalition revising the budget and scope  
65 as detailed.

66 Haugen moved; Mosby seconded unanimously passed a motion to adjourn the meeting at  
67 6:45 pm

68

69

70 Authorized Signature

\_\_\_\_\_  
Date

KING CONSERVATION DISTRICT

Board of Supervisors

Special Meeting

Meeting Minutes

May 23<sup>rd</sup>, 20222

1 **Supervisors Present**, Kirstin Haugen – Chair, Burr Mosby, Bill Knutsen, Brittney Bush Bollay

2 **Associate Supervisors Present:** None.

3 **Guests Present:** Carmela Ennis, King County Council

4 **Staff Present:** Jessica Saavedra, Mary Embleton, Rosa Mendez-Perez, Kathryn Lewis, Maria  
5 Chang-Ward, Anastasia McDaniel

6 **Preliminary Matters:**

7 Meeting called to order at 6:48 pm by Kirstin Haugen.

8 **Knutsen moved, Mosby seconded, unanimously passed a motion to approve the agenda.**

9 Lewis presented the credit card policy that the finance team has been working on a reconciliation  
10 process to go with this credit card policy.

11 **Knutsen moved, Bush Bollay seconded, unanimously passed a motion to approve the credit**  
12 **card policy as presented.**

13 **Bush Bollay moved; Mosby seconded unanimously passed a motion to adjourn the meeting**  
14 **at 7:03 pm**

15

16

17 \_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

# King Conservation District Board of Supervisors Meeting

## Agenda Action Briefing/Report

Meeting Date: June 21<sup>st</sup>, 2022

AI 22-034

### SUBJECT: AI 22 -034

- Motion to approve the Member Jurisdiction grant application from the City of Kent for the Urban Natural Resources Management Program – Phase 1 project

### FISCAL IMPACT

- The applicant is requesting \$80,000.00 from KCD-Kent Member Jurisdiction Funds

### POLICY CONSIDERATION

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources, Education and Outreach, Capacity Building

**PRINCIPAL PARTNERS** - See application for partner information

### BACKGROUND

This proposal was reviewed at the last grant subcommittee meeting on May 23<sup>rd</sup>, 2022. City of Kent staff attended the meeting and presented a summary of the city's work to date, including information requested from the subcommittee at their April meeting regarding KCD's multi-year investment in the Green Kent program. The subcommittee stated that they were pleased to hear this update and appreciated how the city has identified areas of focus and is moving forward with support from other city departments. The subcommittee is sympathetic to the issues Kent and other south King County cities have faced trying to run a program primarily reliant on volunteer labor. They were also happy to hear that components of the Green Kent program will be continuing in terms of community engagement and events, just at fewer locations. The city added that the Green Kent program is still the foundation from which this new program focus was born, and they greatly appreciate KCDs support through challenging times.

**Short project description:** As part of a multi-phase approach to improve degraded natural areas, Kent Parks is seeking support to develop a natural resource management program, while maintaining limited ongoing projects at priority sites and community engagement activities.

### EFFECTIVE DATE:

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 01/01/2022 and end on 12/31/2022

### OPTIONS

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

### RECOMMENDATION

The grant subcommittee recommends approval of this grant application.

### MOTION

Motion to approve the Member Jurisdiction grant application for \$80,000.00 from KCD-Kent Member Jurisdiction funds for the City of *Kent Urban Natural Resources Management Program – Phase 1 project*



# Urban Natural Resources Management Program – Phase 1

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## *Member Jurisdiction Grant Program*

### ***Kent***

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Garin Lee  
220 4th Avenue South  
Kent, WA 98032-5895

### ***Margaret Wagner***

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[mwagner@kentwa.gov](mailto:mwagner@kentwa.gov)

# Application Form

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## *Summary Information*

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### **Project Title\***

Urban Natural Resources Management Program – Phase 1

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

As part of a multi-phase approach to improve degraded natural areas, Kent Parks is seeking support to develop a natural resource management program, while maintaining limited ongoing projects at priority sites and community engagement activities.

### **Principal Partners (if any)**

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$80,000.00

### **Total Project Cost\***

\$120,625.00

### **Total Matching Funds (optional)**

\$40,625.00

### **Project Start Date\***

01/01/2022

### **Project End Date\***

12/31/2022

## Close Date

### Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.

If more than two locations, state “multiple” and explain.

Multiple. Staff will be assessing, prioritizing, and improving overall management of natural area assets in City of Kent Parks, including areas with assets such as wetlands, forests, trails, and urban trees. (see attached park list).

### Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

### Is your project on public or private land?\*

Public

### State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

33

### King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

5

## *Narratives, Budget, & Attachments*

### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

In 2016, the Parks, Recreation & Community Services team created a “Park and Open Space Plan” which assessed parks, prioritized service levels, and identified key updates needed within an aging park system. However, the plan mainly focused on the developed areas of the park. The next logical step is to develop a similar plan for our urban-natural areas and create a template for individual site management plans.

The Green Kent Partnership kicked off in 2009 with the development of a 20-Year Park and Natural Area Management Plan. Its primary goal was to actively manage all 1,189 acres of Kent’s parks and natural areas in 20 years. Full time staff positions/program budget weren’t funded to support goals outlined in 20-year plan. Relying almost entirely on volunteers the Green Kent Program accomplished less than 1% of acreage enrollment goals after 9 years.

While the Green Kent Partnership was and could continue to be an impressive community engagement coalition around natural resources in Kent, we aim to develop a new plan that considers all aspects of urban-natural area management, with volunteer and community engagement as one component. By taking a more comprehensive approach, we can develop a management plan that allows staff to more effectively care for these areas. We have identified 5 key goals we plan to focus on. These five goals are: safety, reinvestment, connection, management and stewardship.

#### Goal Descriptions:

- Goal 1: Safety

In a 2018 survey, 42% of respondents indicated they were prevented from using a park due to safety concerns. By actively managing vegetation on trails, experimenting with new techniques, and consulting with other city departments to establish better management practices, we hope to address these concerns. As a result, we predict to see a decrease in the percentage of people concerned with safety in parks in future surveys.

- Goal 2: Reinvestment

One of the biggest challenges to managing natural areas has always been the availability of sustainable funding. With a more comprehensive plan that highlights how urban natural spaces contribute to community health and essential services of parks, we hope to leverage additional resources to reinvest in natural areas. The suite of Green Kent sites that have had significant past investment but are in danger of being re-infested with invasive species for want of long-term maintenance makes this a key time to act on reinvestment.

- Goal 3: Connection

Partnerships will be key to the success of any community engagement opportunities we wish to provide in the future, so we will be identifying, engaging, and re-engaging organizations and businesses who could be potential partners. These partners may act as event sponsors, invest in projects, provide in-kind donations, act as consultants, provide education and more. We will also be working on improving in-house collaboration with other city departments to share and establish best management practices.

- Goal 4: Management

Of significant importance is the goal to reclaim responsibility of managing natural areas. To do so, we will need to build a team dedicated to actively managing natural spaces and providing various new opportunities for Kent residents to engage with these sites. However, before we can begin implementing projects, we first need to develop the plan to focus efforts where they will be most beneficial.

As a result, we are asking for support from KCD for 3 part-time staff who will be focused on compiling information on the current condition of our natural assets, conducting ongoing community engagement, and building site management plans for the sites selected to host a limited number of volunteer events while full time staff establish a program plan and internal funding request. These people will be imperative to laying the foundation for future development and implementation of natural resource and urban forestry plans.

- Goal 5: Stewardship

We aim to establish a full stewardship program, however the sustainability of such a program will be highly dependent on the success of the first 4 goals. Some components of this program will be based on the Green Kent Partnership; however, opportunities will differ and include consideration for limiting factors and site needs for staff and crew time. With proper support in place, we can provide various volunteer opportunities, outdoor educational programs and invest in outreach & educational media that promotes stewardship and care for parks and natural spaces.

In addition to identifying our five main goals, we have begun drafting a valuation system that assessed natural assets such as forests, grasslands, wetlands, lakes, streams & rivers. These “Conservation Values” will help focus our efforts to parks where they will have the most meaningful impact.

#### Natural Resource Management Program

We estimate that it will be 7-10 years from the initial program development to the first re-assessment. We expect some of these phases to overlap depending on the progress of the other phases and what additional resources we obtain. As of 2021, we have made some progress in Phase 1, 2, & 3. The Phases are as follows:

- Phase 1 (2020-2025) – Establish Initial Team, Develop Plans, Evaluate Capacity:

Obtaining sustainable funding for new operations programs will be a challenge. During the first phase, KCD & other funds will support staff positions whose focus will be to gather & compile data, maintain volunteer relations by hosting annual events, and support the Natural Resources Specialist in research and program development. Site inventory information gathered will be important to ascertaining the status of natural assets in parks as well as providing data which can be used to secure additional funding in the future.

In 2020-21 staff made some progress in these efforts despite the impact of the COVID pandemic. A key aspect of that was coordinating with Davey Resource Group to develop the first draft of the Parks Urban Forestry Management Plan. This plan will serve as a guiding document for future natural resource staff when managing trees in more developed areas of parks. Additionally, once complete, the plan will contain valuable information on the value of trees and the ecosystem services they provide. This information can then be utilized to the support efforts to secure further funding.

In early 2021, Parks Operations also hired a new full time Natural Resources Specialist position to consolidate and expand natural resources and site management, in coordination with existing staff expertise in urban forestry. Throughout the next 5 years, there will be an emphasis on team building and sustainable program development.

With our capacity to host educational events limited currently for the foreseeable future, we will be providing support to the Environmental Science Center who aim to utilize a portion of the jurisdictional grant to support school programs which make use of Kent parks

- Phase 2 (2022-2030) - Natural Areas Management Program Development:

This phase will involve capacity building, drafting park specific plans for our high profile and ecologically valuable parks, and initial implementation of a natural resources site management plan template. The new Natural Resource Specialist, supported by the positions funded with KCD funds, will initially be focused on implementing and continuing to edit plans as they fit within existing capacity, investing time in team expansion (based on grants and budget cycle), maintaining partnerships as effectively as possible, coordinating across departments and agencies, and supporting ongoing volunteer event efforts.

- Phase 3 (2020 & onward) – Deepen/Expand Partnerships & Community Engagement Strategies, develop more Site-Specific Management Plans, Rebuild more robust Volunteer Program

- Phase 4 (2026 & onward) - Expand Team, Evaluate Role of Natural Resources Team in Park Operations Overall, Increase capacity for more complex Project Management:

This phase will involve establishing (and re-establishing) educational programs and developing program outreach materials tailored to more in-depth environmental engagement through Kent Parks' natural resources. .

- Phase 5 (2030, 2040 etc.) - Assess, Improve & Adapt

It is our goal to have an adaptable plan that helps implement management practices based on the best science available, but that also consider the unique challenges of urban natural areas. As a result, we can more effectively work towards providing safe and beautiful natural spaces for the enjoyment of the community.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

Community Engagement Coordination

1. Implementation of 5 annual events including Earth Day, National Public Lands Day, Releaf, Conservation Day, and Arbor Day.
2. Coordinate (as needed) access and materials to parks for Environmental Science Center educational programs and Green River Coalition volunteer events.
3. Identify potential partners for improvements to community engagement events and future programs.

#### Site Surveys, Plans, and Data Management

1. Conduct site inventories of current resource conditions and future management needs, including developing survey methods.
2. Monitor & track existing Green Kent steward site reversion due to lack of management.
3. Finish inventory of standalone Parks Trees and create SOP for updating Tree Keeper with recent tree work.
4. Establish a Site Management Plan template and begin development of site-specific plans for 2-3 high profile Kent Parks natural areas.
5. Manage data collected during site surveys and site management plan development.

#### Program Plans and Development

1. Collaborate with Urban Forestry staff on ways to incorporate new Parks Urban Forestry Plan into formulating plan for priority natural resources.
2. Submit subsequent KCD application for the next phases of building the natural resources program.
3. Provide or compile information as requested for use during council updates on Green Kent, Urban Forestry and Natural Resources.
4. Support development of Parks Urban Forestry Management Plan (PUFMP)
5. Research additional funding sources.

#### Ecological Vegetation Management

1. Conduct limited site management activities as capacity and prioritization allows.
2. Assist Urban Forestry Lead in tree removal work or assessments.
3. Coordinate with Earth corps, or other contractors, to utilize crews in natural areas in need of dire management and/or provide consultation for furthering data gathering efforts.

#### Outcomes and Measurable Results:

- 5 volunteer events hosted (volunteer hours, plants planted, invasive species cleared will be reported)
- Site surveys conducted (number of sites, number of acres, number of former Green Kent sites monitored will be reported)
- Tree inventories conducted (number of sites, number of acres, number of trees, etc)
- 2 presentations to internal or external stakeholders (audience numbers and basic demographics will be reported)
- Support of ESC and GRC events (number and nature of events will be reported)
- Development of a key community partnerships tracking and brainstorming document
- Site specific management activities will be summarized by site, acreage, activity, invasives removed, and plants planted (as applicable).
- Tree management and assessment activities will be summarized by site, acreage, activity, invasives removed, and plants planted (as applicable).
- Site management plan template developed (will be submitted in final report)
- Parks Urban Forest Management Plan
- Park Natural Resources Management Program Overview
- Initial Conservation Value and Prioritization of site management activities

## Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines*. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!

KCD Budget 2022\_KentParks\_Requested.xlsx

## Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

## Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

SiteList\_KentParks\_NRMProgram\_2022.pdf

## Natural Resource Improvement Actions- Criteria Checklist

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**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

## Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

**Does your project directly address this issue?**

Yes

## Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

**Does your project directly address this issue?**

Yes

## Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others (*examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation*)

Does your project directly address this issue?

No

## Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground (*examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands*)

Does your project directly address this issue?

Yes

## Project Type\*

Education  
Forestry, Urban

## KCD Acknowledgement and Signature

---

By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

## Authorized Applicant Electronic Signature\*

Please enter your full name to sign and agree to the above.

Margaret Wagner



**Title**

Natural Resources Specialist

**Date\***

03/01/2022

## File Attachment Summary

---

### *Applicant File Uploads*

- KCD Budget 2022\_KentParks\_Requested.xlsx
- SiteList\_KentParks\_NRMProgram\_2022.pdf



# Member Jurisdiction Grant Program

## Grant Application Project Budget Form

Promoting sustainable uses of natural resources through responsible stewardship

Project Name	Urban-Natural Area Management Plan (Phase 1)			
Applicant	City of Kent			
Contact	Margaret Wagner			
Mailing Address	5821 S 240th St, Kent, WA 98032			
E-mail	<a href="mailto:mwagner@kentwa.gov">mwagner@kentwa.gov</a>	Project Start Date:	1/1/2022	
Phone	206-798-7894	Project End Date:	12/31/2022	
<b>Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below</b>				
Budget Item	KCD Funds	Other Funds	Other Funds	Total
		City of Kent	(identify source and status of matching funds here ex. DON Small and Simple - Secured)	
Salaries & Benefits	\$75,000	\$35,625		\$110,625
Travel/ Meals/ Mileage (for - volunteers, staff)				\$0
				\$0
				\$0
				\$0
Office Supplies				\$0
				\$0
				\$0
Field Supplies	\$4,000			\$4,000
Contracted/ Professional Services				\$0
Permits				\$0
Other: Event Support		\$5,000		\$5,000
Other: Misc Expenses	\$1,000			\$1,000
Other: (specify)				\$0
Other: (specify)				\$0
Other: (specify)				\$0
<b>TOTAL</b>	<b>\$80,000</b>	<b>\$40,625</b>	<b>\$0</b>	<b>\$120,625</b>

Total Project Cost	\$120,625
Total Match	\$40,625
Amount of KCD Funding Requested	\$80,000
Match Percentage	34%

Footnotes: see budget detail below

PARK/PROPERTY	TYPE	Acres
Lake Fenwick Park	Large Natural Area	141
Clark Lake Park	Large Natural Area	125
Mill Creek Earthworks Park	Large Natural Area	112
277th Street Corridor Trail	Large Natural Area	53
North Meridian Park	Park with Natural Area	27
Morrill Meadows Park	Park with Natural Area	13
Scenic Hill Park	Park with Natural Area	4
Garrison Creek Park	Park with Natural Area	5
Chestnut Ridge Park	Park with Natural Area	3
Anderson Park	Park with Natural Assets	1
Lake Meridian	Park with Natural Assets	16
Riverview Park	Park with Natural Assets	14
Three Friends Fishing Hole	Park with Natural Assets	3
Glenn Nelson Park	Park with Natural Assets	10
Briscoe Park	Park with Natural Assets	7
Arbor Heights 360°	Park with Natural Assets	3
Old Fishing Hole	Park with Natural Assets	6
West Fenwick Park	Park with Natural Assets	37
Springwood Park	Park with Natural Assets	10
Turnkey Park	Park with Natural Assets	7
Anderson Greenbelt	Small Natural Area	4
Campus Park	Small Natural Area	12
Park Orchard Park	Small Natural Area	6
Pine Tree Park	Small Natural Area	TBD
Cottonwood Grove Park	Small Natural Area	1
Springbrook Greenbelt	Small Natural Area	5
Salt Air Vista	Small Natural Area	2
Huse Property	Undeveloped Property	34
Panther Lake	Undeveloped Property	TBD
132nd Avenue property	Undeveloped Property	5
272nd Property	Undeveloped Property	4
		670

PARK/PROPERTY TYPES	DEFINITION
Large Natural Area	A park consisting mainly of a large area with mostly unfragmented natural assets such as forest, meadow, grasslands, wetlands, etc.
Park with Natural Assets	A developed park with a few scattered natural assets such as a detention pond, individual trees, individual bodies of water or small clumps of trees.
Park with Natural Area	A developed park with several natural assets located in the same unfragmented area. Typically consisting of an unmanaged or partially managed forested area near a playground, small trail, or ballfield.
Small Natural Area	A small park, usually forested and/or having some open space and trails, but typically surrounded by housing or other privately owned parcels
Undeveloped Property	A city owned property slated for potential development into a park, but currently having natural assets.

**King Conservation District Board of Supervisors Meeting**  
**Agenda Action Briefing/Report**  
**Meeting Date: June 21, 2022**

AI 22-035

**SUBJECT: AI 22-035**

- Motion to approve the Member Jurisdiction grant application from the City of Kirkland for the Windsor Vista Park Riparian Restoration project

**FISCAL IMPACT**

- The applicant is requesting \$18,750.00 from KCD-Kirkland Member Jurisdiction Funds

**POLICY CONSIDERATION**

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources

**PRINCIPAL PARTNERS**

- King County WaterWorks, Washington Conservation Corps, City of Kirkland Public Works, Washington State Department of Transportation, City of Kirkland Planning

**BACKGROUND**

This proposal was reviewed at the last grant subcommittee meeting on May 23<sup>rd</sup>, 2022. This project incorporates urban forestry, shoreline and stormwater concepts and proposes to continue restoring riparian buffers in Kirkland's parks located along Juanita Creek, specifically at Windsor Vista Park which is Kirkland's most upstream park in this watershed.

**EFFECTIVE DATE:**

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 07/01/2022 and end on 12/31/2023

**OPTIONS**

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

**RECOMMENDATION**

The grant subcommittee recommends approval of this grant application.

**MOTION**

Motion to approve the Member Jurisdiction grant application for \$18,750.00 from KCD-Kirkland Member Jurisdiction funds for the City of *Kirkland Windsor Vista Park Riparian Restoration project*

# Windsor Vista Park Riparian Restoration

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## *Member Jurisdiction Grant Program*

### ***Kirkland***

---

123 5th Ave NE  
Kirkland  
Kirkland, WA 98033

greenkirkland@kirklandwa.gov  
O: 425-587-3305

### ***Green Kirkland Partnership***

---

greenkirkland@kirklandwa.gov

# Application Form

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## *Summary Information*

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### **Project Title\***

Windsor Vista Park Riparian Restoration

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

We are requesting funding to continue restoring riparian buffers in Kirkland's parks located along Juanita Creek, specifically at Windsor Vista Park which is Kirkland's most upstream park in this watershed.

### **Principal Partners (if any)**

King County WaterWorks, Washington Conservation Corps, City of Kirkland Public Works, Washington State Department of Transportation, City of Kirkland Planning

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$18,750.00

### **Total Project Cost\***

\$74,050.00

### **Total Matching Funds (optional)**

\$55,300.00

### **Project Start Date\***

07/01/2022

### **Project End Date\***

12/31/2023

## Close Date

## Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.

If more than two locations, state "multiple" and explain.

Windsor Vista Park is located at 14251 111th Ave NE Kirkland WA 98034

## Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

## Is your project on public or private land?\*

Public

## State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

45

## King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

1

## *Narratives, Budget, & Attachments*

---

### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

We are requesting funding to continue restoring riparian buffers in Kirkland's parks located along Juanita Creek. We received King County Waterworks funding in 2019 to launch this effort in Edith Moulton, Brookhaven, and Juanita Beach parks. We received additional funding from King County Waterworks in 2021 to initiate restoration along Juanita Creek at Windsor Vista park. Windsor Vista is located upstream of the other three parks and is Kirkland's most upstream park in this system.

Approximately 70% of the Juanita Creek drainage area consists of developed land, and Juanita Creek is on the WA State 303(d) list, making conservation and restoration of the remaining natural areas in parks a high



priority. Juanita Creek, a documented salmon-bearing stream, has impaired water quality due to high levels of bacteria, high water temperatures and low dissolved oxygen. Extending riparian restoration upstream to Windsor Vista Park will further improve water quality by reducing erosion, stormwater run-off, and water temperatures.

Restoring native plant communities along the Juanita Creek riparian corridor will improve water quality and conditions for aquatic life and downstream recreation in Lake Washington by: reducing erosion of stream banks and steep slopes, reducing run-off and promoting infiltration of stormwater, and increasing canopy cover which will decrease water temperatures and increase dissolved oxygen levels. In addition, several times each summer Juanita Beach (which is located at the mouth of Juanita Creek) is closed to the public due to high levels of *E. coli* bacteria in Lake Washington attributed partly to animal fecal matter being washed downstream. Enhancing riparian corridors will help reduce *E. coli* bacteria levels downstream.

Windsor Vista is maintained by Kirkland's Parks Management division. It is also part of the Green Kirkland Partnership and is included in Kirkland's 20-Year Forest and Natural Areas Restoration Plan which directs the strategic enrollment of more than 500 acres of forest and natural areas into restoration and maintaining them in perpetuity. As of December 2021, more than 299 acres had been enrolled in restoration including a small portion of Windsor Vista. This project and the greater 20-Year Plan are a model for any city seeking to restore their urban forests and natural areas.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

KCD funding will be used to restore native plant communities on 10,000 square feet of steep slope (>40% grade) adjacent to Juanita Creek in Windsor Vista Park.

Project tasks will include:

- Removal of invasive vegetation consisting predominantly of Himalayan blackberry (*Rubus armeniacus*) and common ivy (*Hedera* spp.) To limit soil disturbance, invasive removal methods will consist primarily of herbicide application. In the case of Himalayan blackberry, herbicide application will be preceded by brush cutting, followed by two rounds of herbicide application to regrowth. Manual methods of removal will be used where herbicide application may harm existing native vegetation. Manual removal and herbicide treatment will be completed in summer and fall 2022 and summer and fall of 2023.
- Application of engineered wood strand mulch to exposed soil in summer 2022 and summer 2023 following invasive vegetation removal.
- Installation of erosion control fabric in areas where there are signs of erosion in summer 2022 and summer 2023 following invasive vegetation removal.
- Installation of 2,725 native plants, predominantly shrubs, 2 feet on center, during winter 2022 and winter 2023.
- Installation of browse protection (blue tubes or similar) around 900 plants during winter 2022 and winter 2023.

Match funding from King County Waterworks and City of Kirkland will be used to restore additional, adjacent steep slope areas along Juanita Creek in Windsor Vista Park. The long-term goal for this site is to restore riparian conditions throughout the entire park which includes more than 1,800 linear feet of Juanita Creek. Ongoing monitoring and maintenance will be the responsibility of the Kirkland Parks Management division as part of their regular work.

## Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines*. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!

KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form-Windsor Vista Park.xlsx

## Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

## Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

Windsor Vista Park Riparian Restoration Project Maps.pdf

## Natural Resource Improvement Actions- Criteria Checklist

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**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

## Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

**Does your project directly address this issue?**

Yes

## Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

**Does your project directly address this issue?**

No

## Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others (*examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation*)

Does your project directly address this issue?

No

## Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground (*examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands*)

Does your project directly address this issue?

No

## Project Type\*

Forestry, Urban  
Shorelines, Urban  
Stormwater

## KCD Acknowledgement and Signature

---

By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

## Authorized Applicant Electronic Signature\*

Please enter your full name to sign and agree to the above.

Jodie Galvan

**Title**

Parks Operations Supervisor

**Date\***

04/12/2022

## File Attachment Summary

---

### *Applicant File Uploads*

- KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form-Windsor Vista Park.xlsx
- Windsor Vista Park Riparian Restoration Project Maps.pdf



## Member Jurisdiction Grant Program

### Grant Application Project Budget Form

*Promoting sustainable uses of natural resources  
through responsible stewardship*

Project Name	Windsor Vista Park Riparian Restoration		
Applicant	City of Kirkland		
Contact	Jodie Galvan		
Mailing Address	123 5th Ave Kirkland WA 98033		
E-mail	<a href="mailto:jgalvan@kirklandwa.gov">jgalvan@kirklandwa.gov</a>	Project Start Date:	7/1/2022
Phone	425.587.3305	Project End Date:	12/31/2023

**Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below**

Budget Item	KCD Funds	Other Funds	Other Funds	Total
		\$37,500 secured from KC Waterworks	\$7,800 in project management from City of Kirkland and \$10,000 in supplies from City of Kirkland as match for KC Waterworks	
Salaries & Benefits			\$7,800	\$7,800
Travel/ Meals/ Mileage (for - volunteers, staff)				\$0
				\$0
				\$0
				\$0
Office Supplies				\$0
				\$0
				\$0
Field Supplies			\$10,000	\$10,000
Contracted/ Professional Services	\$18,750	\$37,500		\$56,250
Permits				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
<b>TOTAL</b>	<b>\$18,750</b>	<b>\$37,500</b>	<b>\$17,800</b>	<b>\$74,050</b>

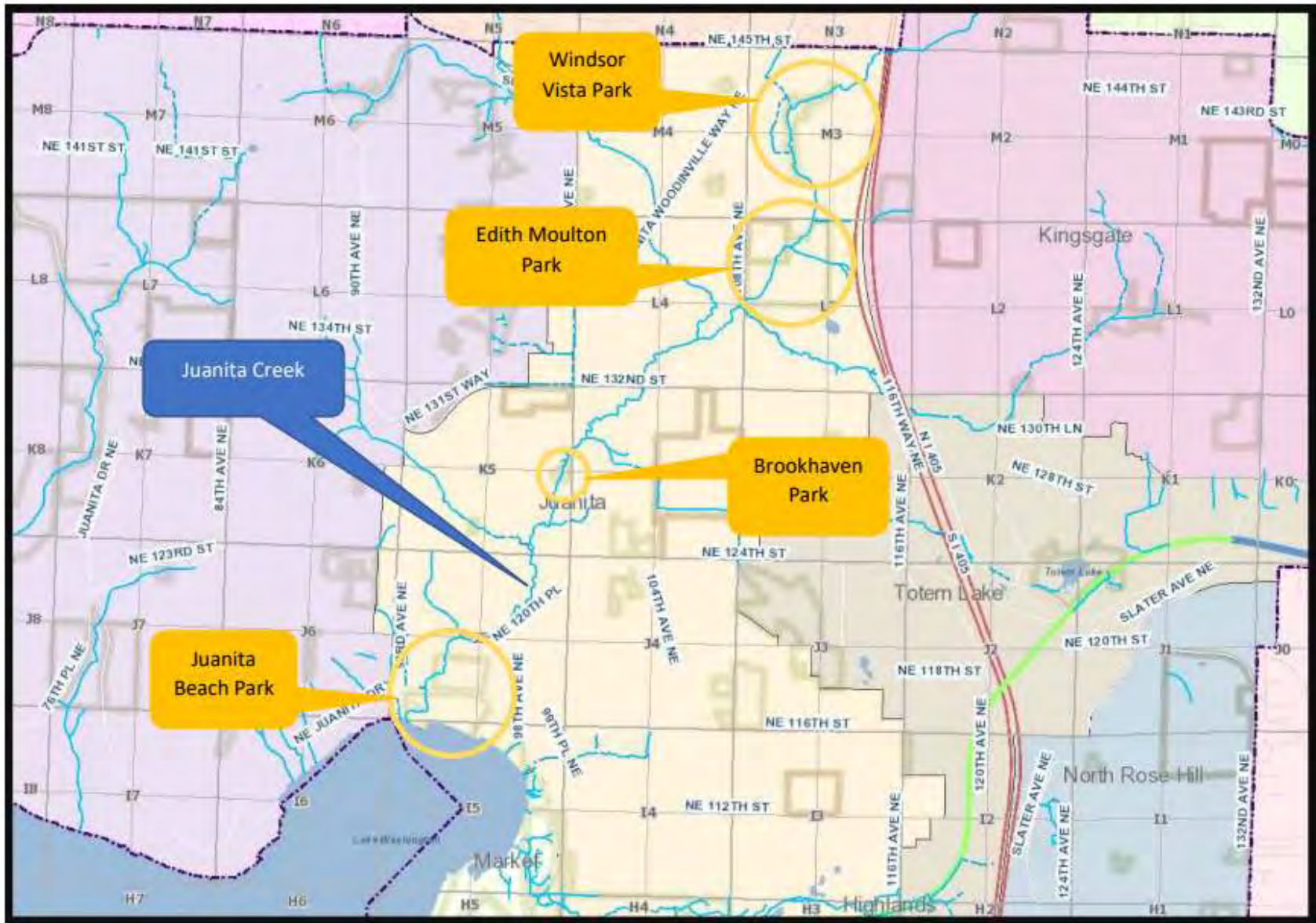
Total Project Cost	<b>\$74,050</b>
Total Match	<b>\$55,300</b>
Amount of KCD Funding Requested	<b>\$18,750</b>

Match Percentage	75%
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*Footnotes:*

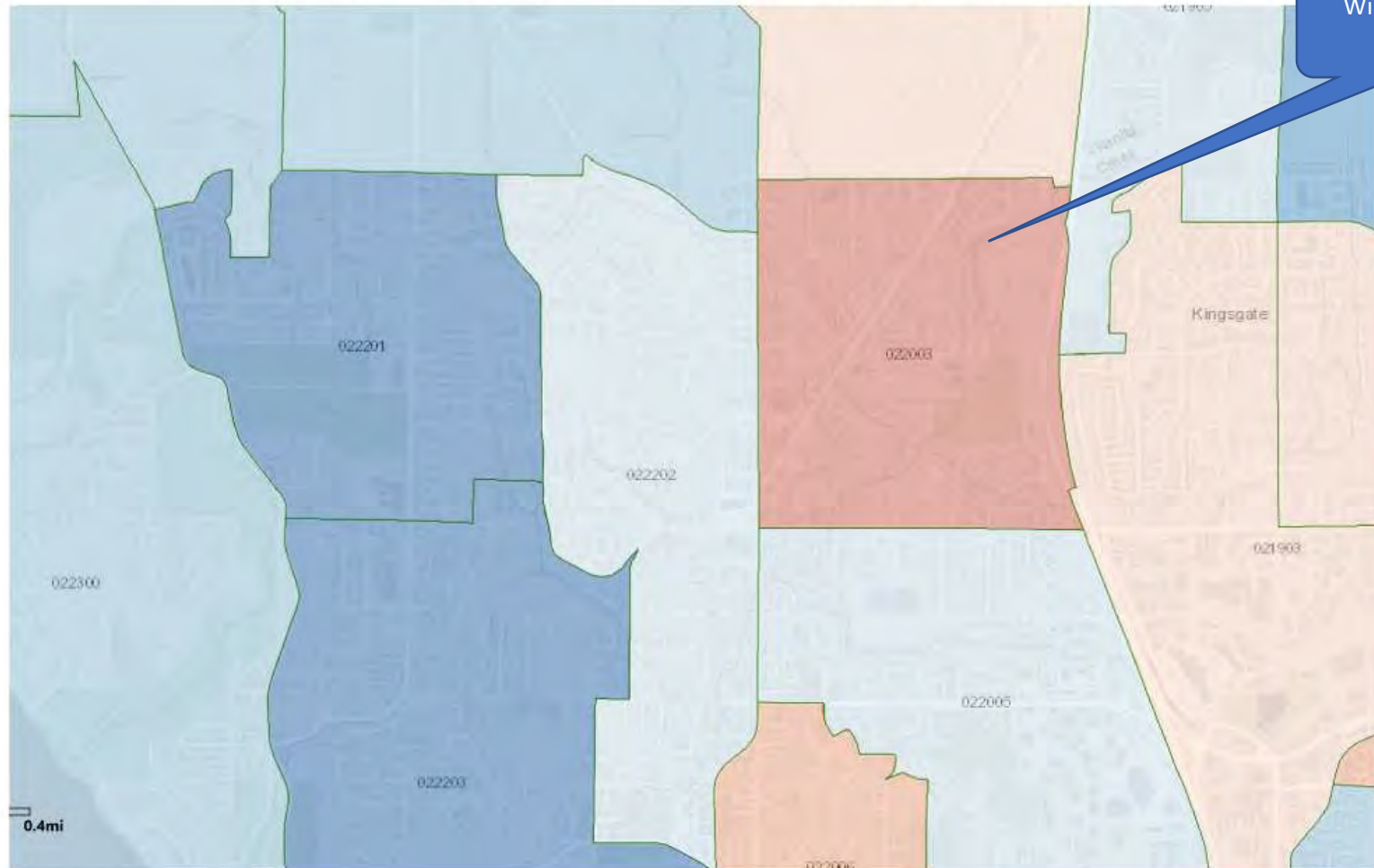
## Windsor Vista Park Riparian Restoration Project Maps

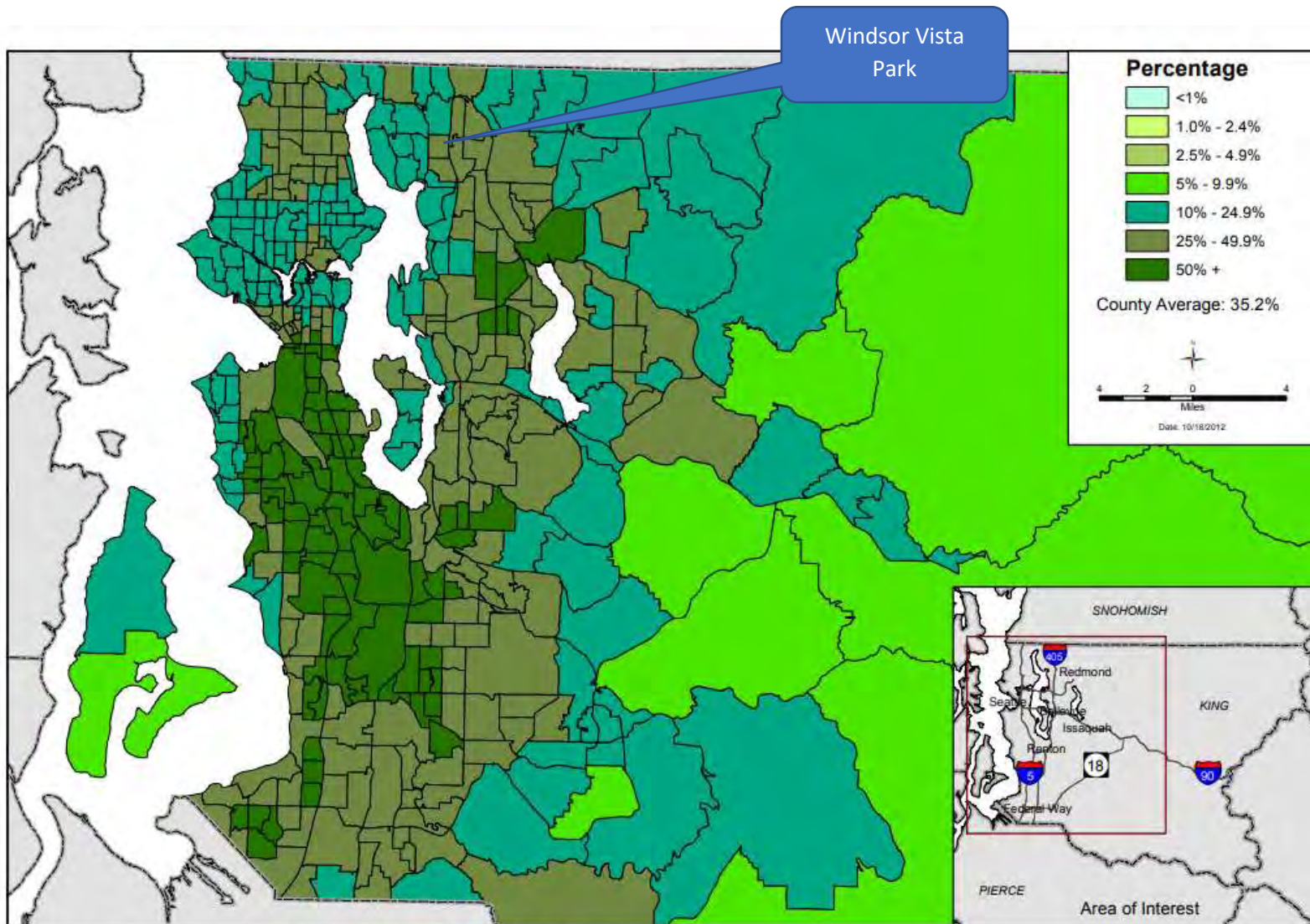




**Selection: Environmental Health Disparities V 1.1**

Date: 05/24/2021 at 12:19 PM

**Environmental Exposures, Environmental Effects, Socioeconomic Factors, Sensitive Populations****Legend: (High)** 10 9 8 7 6 5 4 3 2 1 **(Low)**



**King County**  
**GIS CENTER**

The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

File Name: \\gisnas1\projects\kcgis\client\_services\Executive\KingStat\_072012\projects\ES\_JBasemap.mxd  
M. Ullrich  
Data Source: 2010 Census

## Percent People of Color

### Census Tract, King County, 2010

Agenda Action Briefing/Report

Meeting Date: June 21<sup>st</sup>, 2022

**SUBJECT: AI 22-036**

- Motion to approve the Member Jurisdiction grant application from the City of Bellevue for the Bellevue Botanical Garden - Waterwise Garden Enhancement Project

**FISCAL IMPACT**

- The applicant is requesting \$25,000.00 from KCD-Bellevue Member Jurisdiction Funds

**POLICY CONSIDERATION**

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources
- Education and Outreach

**PRINCIPAL PARTNERS**

**BACKGROUND**

This proposal was reviewed at the last grant subcommittee meeting on May 23<sup>rd</sup>, 2022. This is an education project that proposes to make the ever-popular Waterwise Garden more resilient as it welcomes increasing numbers of visitors each year. It resolves challenges in visitor circulation and makes plant beds and bed markers less vulnerable to damage.

**EFFECTIVE DATE:**

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 06/01/2022 and end on 10/31/2022

**OPTIONS**

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

**RECOMMENDATION**

The grant subcommittee recommends approval of this grant application.

**MOTION**

Motion to approve the Member Jurisdiction grant application for \$25,000.00 from KCD-Bellevue Member Jurisdiction funds for the City of *Bellevue Bellevue Botanical Garden Waterwise Garden Enhancement Project*

# Bellevue Botanical Garden - Waterwise Garden Enhancement Project

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## *Member Jurisdiction Grant Program*

### ***Bellevue***

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Jammie Kingham  
Attn: Service First  
PO Box 90012  
Bellevue, WA 98009-9012

O: 425-452-6800

### ***Nancy Kartes***

---

12001 Main Street  
Bellevue, WA 98005

NKartes@bellevuewa.gov  
O: 425-452-2749

# Application Form

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## *Summary Information*

---

### **Project Title\***

Bellevue Botanical Garden - Waterwise Garden Enhancement Project

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

This project is designed to make the ever- popular Waterwise Garden more resilient as it welcomes increasing numbers of visitors each year. It resolves challenges in visitor circulation and makes plant beds and bed markers less vulnerable to damage.

### **Principal Partners (if any)**

*[Unanswered]*

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$25,000.00

### **Total Project Cost\***

\$25,000.00

### **Total Matching Funds (optional)**

### **Project Start Date\***

06/01/2022

### **Project End Date\***

10/31/2022

## Close Date

### Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.

If more than two locations, state "multiple" and explain.

Bellevue Botanical Garden  
12001 Main St.  
Bellevue, WA 98005

### Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

Bellevue

### Is your project on public or private land?\*

Public

### State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

41

### King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

6

## *Narratives, Budget, & Attachments*

---

### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

The Waterwise Garden at Bellevue Botanical Garden (BBG) is a place for Bellevue Residents and surrounding communities to see natural gardening in practice and help them understand that gardening choices have an impact on things we care about, including the health of our families and pets, and the preservation of natural resources and wildlife. In 2014, we expanded the footprint of the Waterwise Garden and committed to its maintenance. Since then, it has become more heavily visited and we identified the need to redirect circulation in the interface between this new section and the older Woodland and Kitchen Garden



areas of the Waterwise Garden. To reduce foot traffic damage in these areas, we will create a new landscape design to reroute the paths and plant the resulting new plant beds with curated plant collections that support Waterwise concepts and align with the Bellevue Botanical Garden mission to display the best plants and gardening practices for healthy, beautiful Northwest Gardens. Please see attachments for Stenn Design's concept sketch

Concurrently, interactive bed markers throughout the Waterwise Garden are due for an upgrade to make them less vulnerable to vandalism. The new, sturdier markers were designed through our recent interpretive planning process to replace the more fragile Tap n' Scan bed markers. These tools allow visitors free access to information about our curated plant collections via QR codes that link to our online plant database for each bed in the garden. See attachment for a sample results page and image of the new bed marker design.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

**Resilient Landscape Outcome:** This project will result in a garden that is less vulnerable to heavy foot traffic by rerouting pathways and creating new beds in a roughly 2,000 sq.ft. area of the garden.

To achieve this outcome, we will do the following activities listed in chronological order and noting who will do the work:

### Late Spring - Stenn Design

~ Working from the attached concept plan, Stenn Design, the original designers of the Waterwise Garden and the 2014 expansion project, will create a full project design.

### Summer - Landscape Contractors

~ Build roughly 50' of new path (4'wide)through. This will involve site work, soil prep, and relocation of some existing plants. Care will be taken to preserve the root systems of nearby mature trees.

~ Path relocation will result in new planting beds. Landscape contractors will install irrigation and drainage as appropriate to foster plant health.

### Summer - Stenn Design and Garden Staff

~ Stenn Design will work with the BBG Curator to develop a planting plan in support of Right Plant, Right Place demonstration and in keeping with the Bellevue Botanical Garden collections policy.

~BBG staff will procure and care for plant material in advance of fall planting.

### Fall - Stenn Design, Garden Staff and Waterwise Volunteer Corps

~ Jil Stenn and Garden staff will supervise Waterwise volunteer planting parties. These work parties are designed to reinforce proper planting technique that the volunteers have learned throughout the year.. Fall planting gets plants off to a great start as they benefit from autumn rains.

**Resilient Interactive Bed Markers Outcome:** This project will result in 22 interactive bed markers that are less vulnerable to vandalism and are in keeping with the new BBG interpretive plan.

### Late Spring - Garden Staff

~ Order 22 new interactive bed markers

### Summer - Landscape Contractors

~ Landscape contractors will install 22 new interactive bed markers in concrete footings.

## Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines*. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!

2022 KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form.xlsx

## Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

## Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

2022 BBG KCD Waterwise Garden attachments.docx

## Natural Resource Improvement Actions- Criteria Checklist

---

**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

## Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

**Does your project directly address this issue?**

Yes

## Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

**Does your project directly address this issue?**

Yes



### Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others *(examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation)*

Does your project directly address this issue?

No

### Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground *(examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands)*

Does your project directly address this issue?

No

### Project Type\*

Education

## KCD Acknowledgement and Signature

By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

### Authorized Applicant Electronic Signature\*

Please enter your full name to sign and agree to the above.

Nancy Kartes

**Title**

Bellevue Botanical Garden Manager

**Date\***

04/06/2022

## File Attachment Summary

---

### *Applicant File Uploads*

- 2022 KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form.xlsx
- 2022 BBG KCD Waterwise Garden attachments.docx



## Member Jurisdiction Grant Program

### Grant Application Project Budget Form

Promoting sustainable uses of natural resources through responsible stewardship

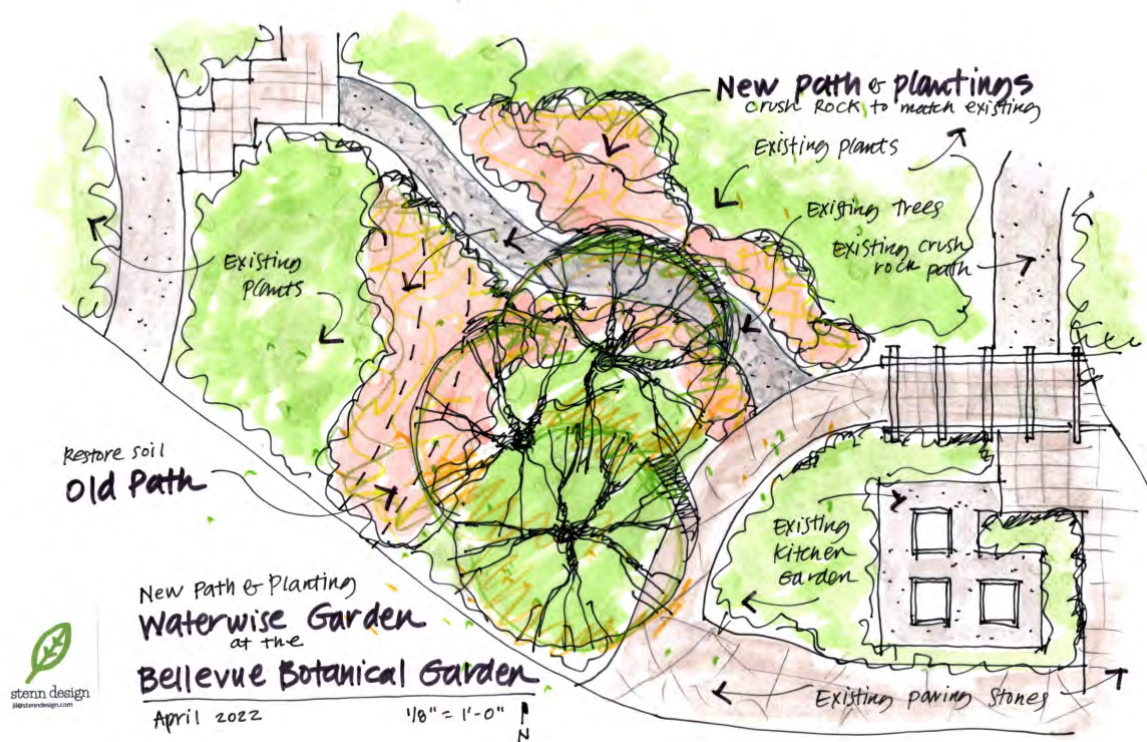
Project Name	Bellevue Botanical Garden Waterwise Garden Enhancement Project			
Applicant	Bellevue Botanical Garden - City of Bellevue			
Contact	Nancy Kartes, Garden Manager			
Mailing Address	12001 Main St. Bellevue, WA 98005			
E-mail	<a href="mailto:nkartes@bellevuewa.gov">nkartes@bellevuewa.gov</a>	Project Start Date:	1-Jun-22	
Phone	425-452-2749	Project End Date:	31-Oct-22	
<b>Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below</b>				
Budget Item	KCD Funds	Other Funds	Other Funds	Total
		<i>(identify source and status of matching funds here ex. Rose Foundation - Pending)</i>	<i>(identify source and status of matching funds here ex. DON Small and Simple - Secured)</i>	
Salaries & Benefits				\$0
Travel/ Meals/ Mileage (for - volunteers, staff)				\$0
				\$0
				\$0
Interactive Bed Markers	\$9,000			\$9,000
Office Supplies				\$0
				\$0
				\$0
Field Supplies -plants	\$5,000			\$5,000
Contracted/ Professional Services-Design	\$4,000			\$4,000
Contracted/ Professional Services- Site Work	\$7,000			\$7,000
Permits				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0

Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
<b>TOTAL</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,000</b>

Total Project Cost	<b>\$25,000</b>
Total Match	<b>\$0</b>
Amount of KCD Funding Requested	<b>\$25,000</b>
Match Percentage	<i>0%</i>

---

Line 26 = installed cost of plants (mostly volunteer with some contracted labor)   
 Line 28 includes site work, soil prep, irrigation and drainage



Concept Sketch of new path and planting bed in the Waterwise Garden



## WHAT'S THAT PLANT?

Bellevue Botanical Garden Bed Markers

*5" round 1/4" aluminum marker,  
approx 20" high attached to  
1/4" thick angled metal stanchion,  
securely ground-embedded  
in garden beds*








*Side view*



*Front view*

Bellevue Botanical Garden 2022 Member Jurisdiction  
Grant Proposal

Sample schematic for interactive bed markers which provide portals to information about Bellevue Botanical Garden curated plant collections.

	<i>Helleborus x hybridus</i>	Hybrid Lenten Rose	Waterwise Garden, Beds W02, W04, W05, W06, W13
	<i>Helleborus x sternii</i>	Hellebore	Waterwise Garden, Beds W06, W19
	<i>Hypericum x inodorum 'Glacier'</i>	St. Johns Wort	Waterwise Garden, Bed W06
	<i>Lilium 'Golden Splendor'</i>	Lily	Waterwise Garden, Bed W06
	<i>Lonicera nitida 'Lemon Beauty'</i>	Boxleaf Honeysuckle	Waterwise Garden, Bed W06
	<i>Lonicera nitida 'Twiggy'</i>	Boxleaf Honeysuckle	Perennial Border, Beds PB10, PB11, PB12, PB14 Urban Meadow, Beds UM02, UM04, UM05, UM06, UM07 Waterwise Garden, Beds W03, W04, W05, W06, W16, W20 Woodland Garden, Bed WG01
	<i>Luzula sylvatica 'Aurea'</i>	Great Woodrush	Shorts Ground Cover Garden, Bed GC21 Waterwise Garden, Bed W06
	<i>Narcissus 'Geranium'</i>	Daffodil	Waterwise Garden, Beds W06, W13, W20, W21
	<i>Narcissus 'Salome'</i>	Daffodil	Perennial Border, Bed PB03 Waterwise Garden, Bed W06
	<i>Rhododendron 'Variegated Unique'</i>	Rhododendron	Rhododendron Glen, Beds RG04 Waterwise Garden, Beds W06, W21

Sample Interactive Bed Marker results page for the Waterwise Garden.



**King Conservation District Board of Supervisors Meeting**  
**Agenda Action Briefing/Report**  
**Meeting Date: June 21<sup>st</sup>, 2022**

AI 22-037

**SUBJECT: AI 22 -037**

- Motion to approve the Auburn Member Jurisdiction grant application from the White River Valley Museum for the 2022 Support for Farm and Museum Programs

**FISCAL IMPACT**

- The applicant is requesting \$13,337.00 from KCD-Auburn Member Jurisdiction Funds

**POLICY CONSIDERATION**

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources
- Education and Outreach

**PRINCIPAL PARTNERS**

- City of Auburn, Environmental Science Center, Muckleshoot Tribal School, Auburn School District

**BACKGROUND**

This proposal was reviewed at the last grant subcommittee meeting. This education and shoreline restoration project proposes to continue improvements to its landscape and for summer open hours and fall fieldtrips. New this year, they are seeking support programs at our Museum location, including a farming themed exhibit and a week of free environmental education programming,

**EFFECTIVE DATE:**

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 05/01/2022 and end on 04/30/2023

**OPTIONS**

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

**RECOMMENDATION**

The grant subcommittee recommends approval of this grant application.

**MOTION**

Motion to approve the Member Jurisdiction grant application for \$13,337.00 from KCD-Auburn Member Jurisdiction funds for the City of *White River Valley Museum 2022 Support for Farm and Museum Programs*

## 2022 Support for Farm and Museum Programs

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### *Member Jurisdiction Grant Program*

#### ***White River Valley Museum***

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Rachael McAlister  
918 H Street SE  
Auburn, WA 98002

O: 253-288-7437

#### ***Rachael McAlister***

---

[rmcalister@auburnwa.gov](mailto:rmcalister@auburnwa.gov)

# Application Form

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## *Summary Information*

---

### **Project Title\***

2022 Support for Farm and Museum Programs

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

The Farm seeks funding to continue improvements to its landscape and for summer open hours and fall fieldtrips. We are seeking support programs at our Museum location: a farming themed exhibit and a week of free environmental education programming,

### **Principal Partners (if any)**

City of Auburn, Environmental Science Center, Muckleshoot Tribal School, Auburn School District

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$13,337.00

### **Total Project Cost\***

\$43,056.00

### **Total Matching Funds (optional)**

\$29,719.00

### **Project Start Date\***

05/01/2022

### **Project End Date\***

04/30/2023

## Close Date

### Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.  
If more than two locations, state “multiple” and explain.

Mary Olson Farm  
28728 Green River Road SE, Kent, WA 98030

White River Valley Museum  
918 H St SE, Auburn, WA 98002

### Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

Auburn

### Is your project on public or private land?\*

Public

### State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

47

### King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

7

## *Narratives, Budget, & Attachments*

---

### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

**Landscape Work** – The Farm is in a continual process of invasive removal around its stream and hillsides. With generous funding from the KCD and the help of habitat restoration specialists we have been able to make great progress over the last several years. We want to continue this work, seeking funding to monitor those areas that have been cleared and planted and to continue to tackle the issues of Italian Arum, English Holly and Himalayan Blackberry around the property In 2022.

**Summer Open Hours** – Each summer the Farm is open for free each weekend. Families, seniors and even couples on dates visit every Saturday and Sunday. During these summer open hours guests roam the site learning about history, farming, composting and more. They are able to bring a picnic and seek shade under one of the orchard's apple trees; finding respite from busy urban life in the Farm's natural beauty.

Our open weekends are made possible through KCD support of a paid summer host at the Farm and support of the Farm's social media promotions and marketing. The summer host is vital to allowing guests on the Farm. The host ensures that the property and the guests are safe and secure as well as providing guests up-close and personal encounters with the Farm's resident donkeys, chickens, and cow. The social media marketing is how we connect the property with new audiences. For the last several years we have use Facebook to promote the Farm to potential visitors. After a couple of year of evaluation we will shift that promotion to Google Search Ads to directly target people looking for parks and farms in the area.

**Fall Field trips** – Our favorite way to connect the Farm to the public is via our field trip program. For the last two years we have only been able to do virtual field trips, but with KCD support we were still able to serve over a thousand student per year. In 2022 we anticipate a full return back to our in-person field trip program where we will see over 2000 students on grade level appropriate field trips. First grade students will learn about farming, animals, and being good stewards, and our middle school students will participate in our Sea to Stream program focusing on salmon, watersheds, native plants and traditional indigenous wisdom.

**Farm to Table Exhibit:** This year we are requesting funds to support an exhibit that will open in February 2023. Tentatively being called "Farm to Table" this temporary exhibit will focus on the food growing and selling and is geared for kids ages 3-5. The exhibit will encourage play based learning for kids and families with stations that teach about growing and harvesting vegetables, transporting food, and selling vegetables and prepared food in a farmer's market.

**Auburn Spring Break:** in 2022 the Museum launches its first ever Earth Month themed spring break at the Museum. Coinciding with the Auburn School District's spring break the Museum offered five days of environmental themed activities, presenters, crafts and games. The event was offered free to the public and during the course of the week we had 385 happy guests participate. In 2023 we seek to host the week again with 2-3 presenters such as falconers, scientists, animal presentation, etc. depending upon availability.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

**Blackberry Knock-down, Invasive Monitoring, and Planting \$6567** –There will be continued cutting down of the larger stands of blackberry along the fence lines in the apple orchard as well as the south meadow. All canes will be cut-up on site and left to decompose. Roughly 6-8 weeks later the regrowth of cut stands will receive a second herbicide treatment. Cutting down of canes around the well-head as well as around the barn plantings will be included. There will be installation of 75 shrubs along the creek between the area of the historical smokehouse and the large maple to the south. Project will include the removal of current non-native plants within this area. This task will also include the installation of shrubs and conifer trees on the hillslope just upslope from the wellhead. This will entail installing 50 shrubs including but not limited to Oceanspray, Shore pine, Snowberry, and Peafruit roses.

**Summer Open Hours and Marketing Support \$2250** – Funding from KCD will be used to support the hourly wages for the Farm's summer open hours host. Farm open hours are from 11am – 4pm every Saturday

and Sunday June 18 – August 15, 2022. To encourage visitorship and promote the property, Google Ads will be purchased beginning mid-June 2022.

Farm Fieldtrip Support \$2500 – Our Farm fieldtrip program begins in September and ends in December 2022. Support though KCD will be used to off-set the costs of running this program for over 2000 students, free of charge in 2022.

Farm totable Exhibit Support \$1000 – Creating the exhibit will require the purchase of many supplies. Including but no limited to: wood, felt, batting,, fake fruits and vegetables, toy tractors, play food trucks, fake flowers etc. We are requesting \$1000 towards the purchase of these exhibit fabrication items. These items will be selected and purchased in fall of 2022 and January of 2023. The exhibit will be open February - May 2023.

Spring Break at the Museum Support \$1000 – Support for this program will go directly to contract 2 – 3 quality environmental education presenters to present program during the week. The program will be during March or April 2023, dependent on the school schedule.

### Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!*

2022-KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form.xlsx

### Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

2022 City letter of support.doc

### Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

Application Pictures.docx

## ***Natural Resource Improvement Actions- Criteria Checklist***

**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

## Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

Does your project directly address this issue?

Yes

## Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

Does your project directly address this issue?

Yes

## Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others (*examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation*)

Does your project directly address this issue?

No

## Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground (*examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands*)

Does your project directly address this issue?

No

## Project Type\*

Education

Forestry, Urban  
Shorelines, Urban

## ***KCD Acknowledgement and Signature***

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By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

### **Authorized Applicant Electronic Signature\***

Please enter your full name to sign and agree to the above.

Rachael McAlister

### **Title**

Museum and Farm Director

### **Date\***

04/22/2022



## File Attachment Summary

---

### *Applicant File Uploads*

- 2022-KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form.xlsx
- 2022 City letter of support.doc
- Application Pictures.docx



# Member Jurisdiction Grant Program

## Grant Application Project Budget Form

*Promoting sustainable uses of natural resources  
through responsible stewardship*

Project Name	2022 Support for Farm and Museum Programs		
Applicant	White River Valley Museum and Mary Olson Farm		
Contact	Rachael McAlister		
Mailing Address	918 H Street SE, Auburn WA, 98002		
E-mail	<a href="mailto:rmcalister@auburwa.gov">rmcalister@auburwa.gov</a>	Project Start Date:	May-22
Phone	253-288-7437	Project End Date:	Apr-23

**Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below**

Budget Item	KCD Funds	Other Funds	Other Funds	Total
		<i>City of Auburn and WRVM- Confirmed</i>	<i>Enviromental Science Center In Kind - Confirmed</i>	
Salaries & Benefits	\$0	\$13,101	\$0	\$13,101
Travel/ Meals/ Mileage (for - volunteers, staff)	\$0	\$80	\$0	\$80
Exhibit Supplies	\$1,000	\$1,000	\$0	\$2,000
Field Supplies	\$0	\$0	\$0	\$0
Contracted/ Professional Services	\$9,337	\$4,538	\$10,500	\$24,375
Permits	\$0	\$0	\$0	\$0
Advertising	\$500	\$500	\$0	\$1,000
Farm Field Trip Sponsorship	\$2,500	\$0	\$0	\$2,500
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
<b>TOTAL</b>	<b>\$13,337</b>	<b>\$19,219</b>	<b>\$10,500</b>	<b>\$43,056</b>

Total Project Cost	<b>\$43,056</b>
Total Match	<b>\$29,719</b>
Amount of KCD Funding Requested	<b>\$13,337</b>
Match Percentage	<b>69%</b>

PROJECT	KCD Request	City	Volunteers	WRVM
<b>Salaries</b>				
Project manager, 2 weeks fte	\$	3,200		
Curator of Ed, 3 weeks fte	\$	3,600		

Ed Assistant, 3 weeks pte	\$		1,575				
Ed Intern, 2 weeks pte	\$		675				
Volunteer tour guides, 120 hours @ \$25.43				\$	3,051		
Sea to Stream Native Educators					\$		1,000
<b>Contracted Services</b>							
summer host/interpreter	\$	1,750	\$	1,750	\$	2,288	
Habitat Restoration	\$	6,567					
Sea to Stream Naturalists, 600 hours @ \$17.50							
Spring Break Presenters	\$	1,000				\$	500
<b>Exhibit Supplies</b>							
Farm to Table Estimate for sup	\$	1,000		\$	500	\$	500
<b>Promotion/Travel</b>							
promoted Facebook Posts	\$	500	\$	500			
mileage, 8 miles x 20 trips x \$.50			\$	80			
fieldtrip sponsor	\$	2,500					
TOTAL GRANT	\$	13,317	\$	11,380	\$	5,839	\$ 2,000

April 22, 2022

Jessica Saavedra  
King Conservation District  
1107 SW Grady Way, Suite 130  
Renton, WA 98057

Dear Ms. Saavedra and Grant Panelists,

It is my pleasure to write this letter of support for a Jurisdictional Grant application put forth by the White River Valley Museum. The Museum, which is a non-profit corporation, manages the Mary Olson Farm, a park that provides a unique and beautiful space for environmental learning, history and recreation for students, residents, and tourists alike.

Over the last decade many wonderful projects at the Farm have been funded by KCD. Your support for the Farm's ongoing landscape rehabilitation helps us be great stewards of this beautiful property – ensuring it will be enjoyed by generations to come. KCD has also been instrumental in our amazing fieldtrip program and projects like compost bins and garden beds. These projects have a direct and lasting affect on the community and we could not have accomplished them without you.

KCD has been a strong and reliable partner of the City of Auburn and the Mary Olson Farm and we greatly appreciate your ongoing support as we continue to preserve, protect and educate.

Sincerely,



Daryl Faber  
Director of Parks, Arts and Recreation  
City of Auburn



Mary Olson Farm:





Open Hours:







Farm Field Trips:







Museum Spring Break 2022:









## Possible Farm to Table Exhibit Supplies:

Browser tabs: Piglet Hand Puppet | Folkmanis | Member Jurisdiction Grant Prog... | Application - Grant Lifecycle Ma... | Member Jurisdiction Grant Prog... | Wondervan Wooden Food Truck

Address bar: [https://www.kidkraft.com/us\\_en/wondervan.html?gclid=Cj0KCQIApL2Q8hC8ARisAGMm-KEDuHzneT1aifdgqhzobuipQC2wXLOkys0qUKIDVQhdMsAhP3iz8gaAkDoEALw\\_wcB](https://www.kidkraft.com/us_en/wondervan.html?gclid=Cj0KCQIApL2Q8hC8ARisAGMm-KEDuHzneT1aifdgqhzobuipQC2wXLOkys0qUKIDVQhdMsAhP3iz8gaAkDoEALw_wcB)

Navigation icons: Website Editing, Home — White Riv..., Employee Services, Hootsuite - Login, GovDelivery Admin..., Home | Global Secu..., Welcome to Access..., Gusto, Login | Xero Accou..., https://www.eleoon..., Hubdoc

Image gallery navigation: Search, Search, Previous, Next, Close




Image gallery thumbnails: A series of small images showing different views and details of the wooden toy truck, including the interior, exterior, and various accessories.

Windows taskbar: Type here to search, Taskbar icons (File Explorer, Edge, Chrome, Word, PowerPoint, PDF Reader), System tray (57°F Cloudy, 2:23 PM, 4/22/2022)



Shop toys by age

[Back to results](#)

Roll over image to zoom in

Teamson Kids Little Helper Wooden Farmer's Market Stand with Pretend Cash Register and 6 Plastic Storage Bins, Green, TD-13638A-AMZ

Visit the Teamson Kids Store

★★★★☆ 3 ratings

Price: **\$109.99** & **FREE** Returns

Color	Green
-------	-------

Material	MDF
----------	-----

Brand	Teamson Kids
-------	--------------

Item Weight	11.77 Pounds
Item Dimensions	11.65 x 26.5 x 39.4 inches

LxWxH

### About this item

- **MARKET STAND:** Kids' farmer's market stand allows them to imagine displaying their homemade or homegrown items while developing social skills
- **STORAGE:** Includes 6 green plastic storage bins that can be used for pretend fruits and vegetables as well as all other play kitchen accessories, toys, games, and more
- **INTERACTIVE DESIGN:** "We Are OPEN/CLOSED" sign, foldable awning, and wooden cash register tablet provide a complete market experience to encourage role play and social interaction
- **EASY-TO-CLEAN:** Sturdy wood and plastic construction is kid-safe and easy to clean from every messes, providing long-lasting durability
- **KID-SIZED DIMENSIONS:** Measures 26", 11.5" deep, and 39.5" tall to fit in any play area and is recommended for children's 3 years and up

### Product Specifications

Manufacturer 36 months - 12 years

**\$109.99**

& FREE Returns

**FREE delivery April 29 - May 6**

Or fastest delivery **April 26 - May 3**

📍 Deliver to White - Auburn 98002

Usually ships within 2 to 3 days.

Qty: 1 ▼

Buying in bulk?

Add to Cart

 Secure transaction

Ships from and sold by Amazon.com.

Add to List

Add to Registry &amp; Gifting ▾

Have one to sell?



Roll over image to zoom in

Peg Perego John Deere Ground Force Tractor  
with Trailer

[Visit the Peg Perego Store](#)

★★★★★ 8,182 ratings | 556 answered questions

Amazon's Choice for "john deere ride on tractor for kids"

Price: **\$275.99**

Style:  
**Standard**

Assembly options: [Get expert assembly Details](#)

**Without expert assembly**

Expert assembly  
+\$99.99 per unit

- What's included

Brand	Peg Perego
-------	------------

Material	Plastic
----------	---------

Size Miniature

**Item Weight** 50 Pounds

Item Dim

LxWxH

Sub Brand John Deere

**Assembly Required** Yes

About this item

\$275.99

FREE delivery **Monday, May 2**

 Deliver to White - Auburn 98002

Qty: 1 ▼

Buying in bulk?

Add to Cart

 **Secure transaction**

Ships from and sold by Amazon.com.

Add to List

Add to Registry &amp; Gifting ▾

New (4) from  
**\$275.99 & FREE Shipping.**

Have one to sell?

[Sell on Amazon](#)

**King Conservation District Board of Supervisors Meeting**  
**Agenda Action Briefing/Report**  
**Meeting Date: June 21<sup>st</sup>, 2022**

**SUBJECT: AI 22-038**

- Motion to approve the Sea Tac Member Jurisdiction grant application from Partner in Employment for the PIE Youth Restoration Training Crew (YRTC) project

**FISCAL IMPACT**

The applicant is requesting \$8,322.00 of which \$3,673.86 is from 2022 KCD-SeaTac Member Jurisdiction Funds and ~\$5,000 is from KCD Urban Forestry funds

**POLICY CONSIDERATION**

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources
- Education and Outreach

**PRINCIPAL PARTNERS**

- SeaTac Parks

**BACKGROUND**

This proposal was reviewed at the last grant subcommittee meeting on May 23<sup>rd</sup>, 2022. Staff was excited to tell the subcommittee that while there isn't enough funding available in jurisdiction funds to cover the whole request, the urban forestry program is interested in continuing their partnership with the City of SeaTac at North Sea Tac Park and they had some additional funding to contribute.

This is an urban forestry project that plans to provide paid green jobs training to immigrant and refugee youth. While in the program youth complete restoration projects in city parks, do environmental education and learn about environmental careers by meeting with professionals.

**EFFECTIVE DATE:**

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 06/27/2022 and end on 09/02/2022

**OPTIONS**

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

**RECOMMENDATION**

The grant subcommittee recommends approval of this grant application.

**MOTION**

Motion to approve the KCD SeaTac Member Jurisdiction grant application for \$8,322.00 of which \$3,673.86 is from 2022 KCD-SeaTac Member Jurisdiction Funds and ~\$5,000 is from KCD Urban Forestry funds for the City of *Partner in Employment PIE Youth Restoration Training Crew (YRTC) project*



## PIE Youth Restoration Training Crew (YRTC)

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### *Member Jurisdiction Grant Program*

### ***Partner in Employment***

---

Mrs. Ngam Nguyen  
21400 International Blvd. Suite 302  
SeaTac, WA 98198

info@partnerinemployment.org  
O: 206-429-3824  
M: 206-429-3824

### ***Madeline Cooper***

---

21400 International Blvd. Suite 302  
SeaTac, WA 98198

madeline@partnerinemployment.org  
O: 206-422-8705  
M: 206-422-8705

# Application Form

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## *Summary Information*

---

### **Project Title\***

PIE Youth Restoration Training Crew (YRTC)

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

The YRTC provides paid green jobs training to immigrant and refugee youth. While in the program youth complete restoration projects in city parks, do environmental education and learn about environmental careers by meeting with professionals.

### **Principal Partners (if any)**

SeaTac Parks

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$8,322.00

### **Total Project Cost\***

\$74,855.00

### **Total Matching Funds (optional)**

\$66,533.00

### **Project Start Date\***

06/27/2022

### **Project End Date\***

09/02/2022

## Close Date

### Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.  
If more than two locations, state “multiple” and explain.

North SeaTac Park (SeaTac)

### Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

SeaTac

### Is your project on public or private land?\*

Public

### State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

33

### King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

5

## *Narratives, Budget, & Attachments*

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### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

The YRTC completes needed restoration projects in South King County parks while simultaneously providing paid training to immigrant and refugee youth. Our goals are to improve environmental quality and help create job pathways for the immigrant and refugee populations that have historically been excluded

from environmental fields. Youth participants are trained in technical restoration skills through the completion of restoration projects. They also complete a variety of education activities so that they have a complete understanding of restoration, and can start to plan and make restoration decisions. Our curriculum also focuses on other types of environmental professions, and in addition to educational activities youth meet with a variety of environmental professionals to learn about possible career paths. Youth are recruited and supported by PIE's case managers who can speak to youth and their families in their first language and provide other supportive services as needed. Partner in Employment has been supporting immigrants and refugees since 2016 but has recently seen the need for more youth programming so that youth can learn new skills, earn a paycheck, and have access to new career pathways. This project is important to us because immigrants and refugees often live in areas with poor environmental quality, and have historically not been represented in environmental fields. We hope to affect change in both of those areas by providing youth with opportunities to learn, and grow their skills while also making improvements to parks and environmental quality where their communities live and work. We run four cohorts of youth per year. In each cohort youth spend 10 weeks learning and working in South King County Parks. This funding would be used to support work in the city of SeaTac for our Summer of 2022 cohort.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

**Blackberry maintenance removal in North SeaTac Park:** The YRTC has been working in North SeaTac Park since we began the program in 2020. At this time we have completed initial removal and planting in 10,000 square foot work area but will need to continue to monitor and remove weeds as needed.

**Blackberry initial removal in North SeaTac Park:** We are now starting initial removal in a new work area of the park. This funding will help us continue that project and ready a new area for planting.

**Youth education:** Throughout this project youth will continue environmental education, learn about the park and practice plant identification.

**Outcomes:** North SeaTac Park is an urban forests located in the flight path of SeaTac Airport. This parks is a great resource for the surrounding community as a place to experience nature, as well as providing a defense from the air and noise pollution of the airport. By completing this project we hope to contribute to a healthier forest that will have a robust canopy for years to come. Working in North SeaTac Park Park also provides opportunities for our youth to learn about many plant species, environmental justice projects, and the many partners working to improve the park. Many of these partners will also volunteer their time as guest speakers for our youth. Measurable results include: square feet of blackberry as well as increased knowledge of youth participants.

We currently have funding that will allow the crew to work in North SeaTac Park in the Winter, Spring and hopefully Fall (pending). This funding will allow us to continue our removal work and the great educational opportunities in N. SeaTac Park this summer. In our summer cohort we will serve 12 youth.

## Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines*. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!

KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form (1).xlsx

## Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

SupportLetter\_PIE.pdf

## Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

NSTP Work PIE.pdf

## *Natural Resource Improvement Actions- Criteria Checklist*

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**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

### Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

**Does your project directly address this issue?**

Yes

### Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

**Does your project directly address this issue?**

Yes

### Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others (*examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation*)

**Does your project directly address this issue?**

No

### Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground (*examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands*)

**Does your project directly address this issue?**

No

### Project Type\*

Education  
Forestry, Urban

## KCD Acknowledgement and Signature

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By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

### Authorized Applicant Electronic Signature\*

Please enter your full name to sign and agree to the above.

Madeline Cooper

### Title

Environmental Program Manager

**Date\***

03/30/2022

## File Attachment Summary

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### *Applicant File Uploads*

- KCD-Member-Jurisdiction-Grant-Program-Application-Budget-Form (1).xlsx
- SupportLetter\_PIE.pdf
- NSTP Work PIE.pdf





## Member Jurisdiction Grant Program

### Grant Application Project Budget Form

Promoting sustainable uses of natural resources through responsible stewardship

Project Name	Youth Restoration Training Crew		
Applicant	Partner in Employment		
Contact	Madeline Cooper		
Mailing Address	21400 International Blvd Ste 302, SeaTac, WA, 98198		
E-mail	<a href="mailto:madeline@partnerinemployment.org">madeline@partnerinemployment.org</a>	Project Start Date:	1/1/2022
Phone		Project End Date:	12/31/2022

**Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below**

Budget Item	KCD Funds	Other Funds	Other Funds	Total
		<i>Green Seattle Partnership (secured)</i>	<i>SEEK Grant w/City of Tukwila</i>	
Salaries & Benefits	\$ 2,202.00	\$7,239	\$8,619	\$18,060
Travel/ Meals/ Mileage (for - volunteers, staff)		\$2,240		\$2,240
				\$0
				\$0
				\$0
Office Supplies				\$0
				\$0
				\$0
Field Supplies		\$1,440	\$335	\$1,775
Contracted/ Professional Services				\$0
Permits				\$0
Youth Stipends	\$6,120	\$24,480	\$20,430	\$51,030
Transportaion support		\$600	\$650	\$1,250
Field trips/education			\$500	\$500
Other: <i>(specify)</i>				\$0
Other: <i>(specify)</i>				\$0
<b>TOTAL</b>	<b>\$8,322</b>	<b>\$35,999</b>	<b>\$30,534</b>	<b>\$74,855</b>

Total Project Cost	<b>\$74,855</b>
Total Match	<b>\$66,533</b>

Amount of KCD Funding Requested	<b>\$8,322</b>
Match Percentage	<i>89%</i>

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*Crew leader/Program Manager: 40 hours at \$34/hr - Assistant crew leader: 30 hours at \$27/hr - Operations Coordinator: 1 hour at \$32/hr - Youth stipends: 360 hours at \$17/hr*



Michael Fitzpatrick  
Parks Projects & Operations Manager  
City of SeaTac Parks, Community Programs & Services Department  
4800 S. 188<sup>th</sup> ST.  
SeaTac, WA 98188

March 1, 2022

Dear King Conservation District Committee Members,

I am writing this letter to support Partner In Employment (PIE) in their request for SeaTac/King Conservation District Member Jurisdiction Grant Funding for 2022 in the amount of \$8,309. As outlined in their proposal, the Youth Restoration Training Crew (YRTC), has played a vital role assisting with restoring urban forest acreage within SeaTac Parks since 2020. We recognize the valuable skills obtained through the workforce training program and are proud to support SeaTac area youth in this endeavor.

Urban forest restoration efforts within SeaTac Parks have gained momentum with support from King Conservation District (KCD). Beginning in 2020, SeaTac was awarded an Urban Forest Health Management project which has allowed assessment/inventory of the forested acreage and contracted crew time with Washington Conservation Corps to treat and remove invasive plant material as necessary. KCD efforts along with Forterra and PIE have begun to transform the forested acreage in this area of the park. We have received many positive comments from frequent park users regarding the increased sense of safety they feel within the park with increased sightlines. Other residents have inquired about getting involved and received stewardship training and attend monthly work parties.

In closing, SeaTac staff are very proud of the on-going restoration efforts within the park and view the current partnerships between KCD, PIE, Forterra and volunteer forest stewards all critical in the further enhancement of the acreage.

Thank you for your consideration.

Michael Fitzpatrick  
Parks Projects & Operations Manager

Cor: 009.22





















**King Conservation District Board of Supervisors Meeting**  
**Agenda Action Briefing/Report**  
**Meeting Date: June 21<sup>st</sup>, 2022**

**SUBJECT: AI 22-039**

- Motion to approve the Member Jurisdiction grant application from King County for the Keeping Farmers Farming, King County Agriculture Program 2022 project

**FISCAL IMPACT**

- The applicant is requesting \$170,664.00 from KCD-King County Member Jurisdiction Funds

**POLICY CONSIDERATION**

This proposal addresses the following natural resource improvement actions

- Direct Improvement of Natural Resources
- Education and Outreach
- Pilot and Demonstration Projects
- Capacity Building

**PRINCIPAL PARTNERS****BACKGROUND**

This proposal was reviewed at the last grant subcommittee meeting on May 23<sup>rd</sup>, 2022. The goal of the King County Agriculture Program, is to conserve farmland and agricultural soils, increase the economic success of farm enterprises, and improve farm management practices to protect soil, water quality and wildlife.

**EFFECTIVE DATE:**

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on 01/01/2022 and end on 12/31/2022

**OPTIONS**

- Vote in favor or not in favor of approving the consent agenda.
- Request that this item be removed from the consent agenda for discussion.

**RECOMMENDATION**

The grant subcommittee recommends approval of this grant application.

**MOTION**

Motion to approve the Member Jurisdiction grant application for \$170,664.00 from KCD-King County Member Jurisdiction funds for the *King County Keeping Farmers Farming, King County Agriculture Program 2022*

# Keeping Farmers Farming, King County Agriculture Program 2022

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## *Member Jurisdiction Grant Program*

### ***King County***

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Maureen Dahlstrom  
201 S Jackson St, Ste 600  
Seattle, WA 98104

O: 206-477-4687

### ***Maureen Dahlstrom***

---

201 S. Jackson St Suite 600  
201 S. Jackson St Suite 600  
Seattle, WA 98104

Maureen.Dahlstrom@kingcounty.gov  
O: 206-477-4777

# Application Form

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## *Summary Information*

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### **Project Title\***

Keeping Farmers Farming, King County Agriculture Program 2022

### **Project Description - Short\***

Provide a short, concise description of the project no more than two or three sentences.

The goal of the King County Agriculture Program, is to conserve farmland and agricultural soils, increase the economic success of farm enterprises, and improve farm management practices to protect soil, water quality and wildlife.

### **Principal Partners (if any)**

### **Amount of KCD Funding Requested\***

You will need to upload a detailed budget document before you submit your application. Please make sure the amount requested and total project cost amounts you list here match the amounts in the uploaded budget document.

\$170,664.00

### **Total Project Cost\***

\$235,847.00

### **Total Matching Funds (optional)**

\$65,183.00

### **Project Start Date\***

01/01/2022

### **Project End Date\***

12/31/2022

## Close Date

### Project Location\*

Address, Parcel #, OR L&L Points, for site specific projects only.

If more than two locations, state “multiple” and explain.

Multiple - King County Agriculture Program assists landowners in all of unincorporated King County.

### Jurisdiction

If the applicant is not a city or jurisdiction, please type in the city or jurisdiction this project is located in.

### Is your project on public or private land?\*

Public

### State Legislative District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

0

### King County District #\*

Click here to find it on the web. If your project resides in more than one district, type in the primary district or type in zero.

0

## *Narratives, Budget, & Attachments*

---

### Project Description - Detailed\*

Provide a description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and general timelines.

The goal of the King County Agriculture Program, partially supported with King Conservation District funding, is to conserve farmland and agricultural soils, increase the economic success of farm enterprises, and improve farm management practices to protect soil, water quality and wildlife.

King County has a long history of preserving farmland and supporting farmers and their markets in the County. The 2009 FARMS Report identified major challenges for farmers and actions needed to be taken if farming is to continue to be successful in King County. Since then, the Agriculture Program, with the assistance of the Agriculture Commission, has made progress on the recommendations, continued to refine them, and set annual priorities. In 2013, the County partnered with the City of Seattle and Pike Place Market in roundtable conversations to enhance farmland protection and increase market opportunities for the county’s agricultural industry. In 2014, the King County Executive launched his Food Economy Initiative and

created a “Kitchen Cabinet” to develop targets, strategies, and actions to enhance the food economy in the County. In 2015, the Kitchen Cabinet released its “Local Food Initiative,” which identified the top 20 priority action items and strategies to be implemented in 2015-2017. The King County Agricultural Program’s 2022 work plan was structured to directly contribute to the Local Food Initiative priorities and some of the tasks in the work plan will be supported by the requested KCD funding.

The beneficiaries of this project are farmers, consumers of local farm products, farmers market managers, farmland owners and other residents of King County. Most of the activities target farmers in the agriculture production districts. However, we will also focus on rural and urban residents and city governments to build interest in local farm products, support for farmers, and understanding of the environmental challenges we face in trying to restore salmon and enhance agriculture within the same geographical area. Overall, the tasks outlined in this proposal will enhance conservation of agricultural land and natural resources, and increase opportunities to buy local food in stores, restaurants and farmers markets throughout King County and support immigrant/refugee farmers who have been traditionally underserved. The requested \$170,664 of KCD funds will be augmented by King County funds to carry out the specific programs defined here.

## Project Activities and Measurable Results\*

List specific project activities to be completed with KCD grant funds and the associated outcomes or measurable results, and timeline.

1. Provide technical support to Working Farmland Partnership. In 2018, King County and key stakeholders collaborated on a KCD-funded pilot project to determine whether focused engagement can accelerate rates of farmland returned to production. This project used information learned about “farmable but unfarmed lands” identified during the summer 2017 land use survey to work with landowners who were interested in leasing land to farmers, enhancing production on their lands, or transitioning away from farm management or ownership. The WFP grant from KCD was focused in the Snoqualmie APD and on Vashon Island, but program partners also responded to opportunities elsewhere in the county. Initial project results were very promising and KCD agreed to support PCC Farmland Trust to continue building the WFP. In 2022, we will:

- Serve on WFP Steering Committee and sub-committees
- Engage with WFP leads and partners to incorporate a Diversity, Equity, and Inclusion approach into the work of the WFP
- Provide direct outreach and technical support to landowners and farmers to ultimately improve opportunities to restore or enhance agricultural production on underused land.
- Collaborate with other partnership members on developing tenure and succession planning tools and resources. Assist with management and assessment of agricultural land use data, including GIS-based analyses and reporting.
- Primary staff: Melissa Borsting PPMII (0.2 FTE).

2. Enhance farming activities on King County-owned farmland. The County currently owns property that could be better utilized for farming and serve as platforms for good farm management and ecological sustainability. This portfolio includes lands that were acquired for long-term farming uses as well as lands acquired for other purposes but that have significant short-term farming potential (e.g., river/habitat restoration). In 2022, we will:

- Complete development of a 5-year farm infrastructure management plan.
- Accelerate capital improvements to enhance production potential on county-owned farmland and make county farmland a platform to demonstrate good farm management.
- Provide interpretive services to Hmong farmers who lease county-owned farmland to help provide needed infrastructure improvements and to navigate the leasing process.
- Complete a long-term plan, with partner and King County salmon habitat restoration staff engagement, for Snoqualmie River Farm and Green River Road Farm that identifies how these farms can best add value to

the larger agricultural community, especially to provide land access for new/beginning farmers, while also providing improved salmon habitat.

- Coordinate a pilot project to apply compost and liquid probiotic plant food on three King County-owned farms. Provide technical assistance so farmers understand applications rates, techniques, and value.
- Primary staff: Bee Cha PPM II (0.3 FTE), Melissa Borsting PPM II (0.1 FTE)

3. Increase water availability for irrigation. Farming requires adequate irrigation. Based upon earlier assessments, too many of the county's farms do not legal water rights or rights to water in quantities needed to irrigate high value crops. In 2022, we will:

- Complete the temporary transfer of water rights from 60 Acres soccer complex to county-owned Sammamish River Farms. Provide technical and financial support to SRF farmers to provide much-needed irrigation water, which will allow farmers to grow higher value crops. Provide access to shared irrigation infrastructure for farmers as needed.
- Work with staff in Wastewater Treatment Division to further develop plans to deliver commercial quantities of recycled water to farmers in the Sammamish Valley. Options for direct delivery as well as indirect delivery via river withdrawals with replacement will be considered.
- Explore opportunities to claim "municipal rights" to irrigation water rights associated with King County properties. Ensure those rights are not lost due to non-use (e.g., place rights in state water trust) and initiate action to transfer water from at least one right to downstream agricultural properties.
- Ensure any water rights associated with properties acquired by DNRP are protected and maintained.
- Primary staff: Melissa Borsting PPM II (0.2 FTE)

4. Provide technical support, outreach and education to King County farmers. DNRP agriculture staff provide frequent technical support for farmers and farm landowners, both through targeted outreach and one-on-one contacts. In 2022, we will:

- Update and provide new content for FarmKingCounty.org and DNRP agricultural websites.
- Partner with Business Impact Northwest to lead the Farm King County Technical Assistance Team and complete an assessment of all farmer training in King County, strive to minimize duplication of effort and identify gaps in training that can be filled by team participants.
- Respond to KC farmers requesting assistance with management, regulations/permitting, transition planning, etc.
- Provide Hmong translation/interpretation support for King County DNRP agriculture program and other agencies engaged with farmers in King County.
- Primary staff: Melissa Borsting (0.2 FTE), Bee Cha (0.05 FTE)

5. Coordinate development and implementation of a strategic plan to support immigrant/refugee farmers. South King County immigrants and refugees were often farmers in their home countries but have not been afforded needed support to explore opportunities to farm commercially in King County. In 2018, we began a targeted outreach program to assess the immigrant farming communities in south King County and to determine the level of interest in commercial farming. In 2022, we will:

- Complete a long-term plan for Horseneck Farm that includes vision for plot sizes, shared infrastructure available, and soil health planning. This plan will be developed by King County with input and feedback from current leaseholders as well as other organizations working with immigrant farmer in south King County.
- Double the acreage at Horseneck Farm available to I/R farmers and provide BIPOC farmers access to newly available farmland on Issaquah Creek Farm and Green River Road Farm.
- Coordinate implementation of initial high priority actions, which will include linking immigrant/refugee farmers searching for leasing opportunities with WFP.
- Explore opportunities to acquire property as an addition to the KC farmland portfolio to serve the needs of immigrant/refugee and beginning farmers.
- Work with NGO leaseholders to provide access to farmland, infrastructure, and technical, business, and market support services for shared farming on County-owned land. Primary staff: Melissa Borsting PPM II (0.3 FTE)

[Note: only staff time covered by the KC Jurisdictional Grant is listed; additional KC agriculture staff will contribute to the actions outlined above but they are supported through other funding sources and will be

considered program match. Those staff include Ted Sullivan (PPM IV), Patrice Barrentine (PPM III), Eric Beach (PPM III), Rick Reinlasoder (PPM III), Mike Lufkin (Food Economy Manager) and Richard Martin (Managing Supervisor)]

## Project Budget and Expenses\*

Fill out and upload separate Application Budget Form also available on the KCD Member Jurisdiction Grant Program website. Budget must be detailed with footnotes, appropriate and reasonable, *meeting state auditor/GAAP guidelines. Please do not use forms from previous applications. Please only upload the form linked above. Thank you!*

2022 Jurisdictional Grant Budget.xlsx

## Member Jurisdiction Authorization Letter

If you are a nonprofit organization seeking Member Jurisdiction funding, you must upload written authorization from the Member Jurisdiction to apply for funding. This can be in the form of a letter or scanned copy of an email.

## Additional Attachments

Upload any photos or maps of your project here. Only one file will be accepted. Please combine multiple files into one if possible.

## Natural Resource Improvement Actions- Criteria Checklist

---

**You must select at least one natural resource improvement action, otherwise your application is not eligible.** However, please only select "yes" below the action that your project **directly** addresses.

### Direct Improvement of Natural Resource Conditions\*

To improve landscape and natural resource conditions as a result of direct action that enhances water quality, protects and conserves soils, implements ecosystem restoration and preservation projects (*examples include supporting private property owners with land stewardship, water quality, aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land*)

**Does your project directly address this issue?**

Yes

### Education and Outreach\*

To raise awareness, deepen knowledge, and change behaviors of residents, landowners, and other land managers and organizations to practice exemplary stewardship of natural resources (*examples include education about stormwater management; the value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems*)

**Does your project directly address this issue?**

Yes

## Pilot and Demonstration Projects\*

To test and/or improve concepts and/or approaches in natural resource management that can be replicated by others *(examples include low impact development or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture (e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living); technological innovation for natural resource conservation)*

Does your project directly address this issue?

Yes

## Capacity Building\*

To enhance the ability of organizations, agencies, residential landowners and other land owners and managers to have knowledge, skills, tools, support systems and technical resources to implement exemplary best management practices and deliver natural resource management actions on the ground *(examples include urban agriculture development, assistance to and inclusion of private property owners, preservation, restoration, and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands)*

Does your project directly address this issue?

Yes

## Project Type\*

Agriculture, Urban

## KCD Acknowledgement and Signature

---

By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD-provided logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

\*

I have read the above paragraph about acknowledging KCD and I will use the provided logo.

## Authorized Applicant Electronic Signature\*

Please enter your full name to sign and agree to the above.

Maureen Dahlstrom



**Title**

Administrator

**Date\***

05/20/2022

## File Attachment Summary

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### *Applicant File Uploads*

- 2022 Jurisdictional Grant Budget.xlsx



## Member Jurisdiction Grant Program

### Grant Application Project Budget Form

Promoting sustainable uses of natural resources through responsible stewardship

Project Name	Keeping Farmers Farming, King County Agricultural Program 2022		
Applicant	King County, Water and Land Resources Division		
Contact	Richard Martin		
Mailing Address	201 S Jackson Street, Suite 600, Seattle, WA 98104		
E-mail	<a href="mailto:richard.martin@kingcounty.gov">richard.martin@kingcounty.gov</a>	Project Start Date:	1/1/2022
Phone	206-477-3876	Project End Date:	12/31/2022

**Please provide detailed budget information below. Itemize categories such as supplies, contracted services with footnotes and detailed descriptions below**

Budget Item	KCD Funds	Other Funds	Other Funds	Total
		(KC Funds)	(identify source and status of matching funds here ex. DON Small and Simple - Secured)	
Salaries & Benefits	\$170,664	\$1,437	SWM, GF; secured	\$172,101
Travel/ Meals/ Mileage (for - volunteers, staff)				\$0
				\$0
				\$0
				\$0
Office Supplies				\$0
				\$0
				\$0
Field Supplies				\$0
Contracted/ Professional Services				\$0
Permits				\$0
Other: (Indirect Costs 37.04%, all match)		\$63,746	SWM, GF; secured	\$63,746
Other: (specify)				\$0
Other: (specify)				\$0
Other: (specify)				\$0
<b>TOTAL</b>	<b>\$170,664</b>	<b>\$65,183</b>	<b>\$0</b>	<b>\$235,847</b>

Total Project Cost	\$235,847
Total Match	\$65,183
Amount of KCD Funding Requested	\$170,664

Match Percentage	28%
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*Unrecovered Indirect Costs are calculated at the King County WLR Indirect Rate of 37.04%*

Budget Notes

**Salaries and Benefits:** Melissa Borsting, Agriculture Land Use Coordinator (full time, 12 months, all KCD JG), Bee Cha, Farm Manager (full time, 19 weeks, majority KCD JG); additional KC Agriculture Program staff will contribute to project tasks, but their salary and

**Unrecovered Indirect:** calculated as 37.04% of salary and benefits

**Other Funds:** SWM=Surface Water Management, GF=General Funds

# Reports

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**KING CONSERVATION DISTRICT  
ADVISORY COMMITTEE MEETING**

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**TO:** ADVISORY COMMITTEE MEMBERS

**FROM:** ROSA MENDEZ-PEREZ

**SUBJECT:** EXECUTIVE DIRECTOR REPORT

**DATE:** JUNE 21ST, 2022

**CC:** LORNA MISS

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Please find below highlights of King Conservation District's May and early June actions and updates.

- Hiring
  - We welcomed Maya Klem as Temporary Special Projects Coordinator with our Forestry Team on May 23<sup>rd</sup> and our new Community Agriculture Program Coordinator will begin with us in July.
  - We interviewed several candidates for Senior Director of Stewardship Programs and made an offer last week. We hope to have them onboard in July.
  - We did not receive many resumes for Director of Finance & Administration and redesigned the position to be more attractive to potential candidates and meet our current administrative needs. The role is now reposted under the title Chief Administrative Officer and we are already reviewing resumes received over the last week.
- Finance and Administration
  - Classification and Compensation Study – The job questionnaires are completed, and we are moving to the next phase with our consultant Compensation Connections, LLC. They reviewed the position descriptions and questionnaires to perform a comprehensive study including recommendations on our compensation and classification structure.
  - Strategic Planning: Diversity, Equity, and Inclusion – We are developing an anonymous survey with the Athena Group. The next step will be sending out the survey to our staff, board members, and advisory committee members. The surveys will help us plan the focus of future workshops and trainings. Our goal is to have the survey questions finalized by June 23<sup>rd</sup> and sent out by June 24<sup>th</sup>.

- Program Updates
  - This year's Regional Food System Grant Round will be accessible through KCD's online grant portal. Grant applications are now being accepted and are due July 18, 2022. We held a virtual grant orientation workshop on June 21, 2022, from 1pm-2 pm via Zoom. The grant funding limit increased to \$50,000. There is a total of \$300,000 available to award in 2022. The maximum award will be \$50,000 and recipients will be announced the week of October 10, 2022.

Thank you,

Rosa Méndez-Perez

# Finance



# King Conservation District

## APRIL FINANCIAL SUMMARY

For the Four Months Ended April 30, 2022

### HIGHLIGHTS

#### Rates and Charges Income Increasing

As expected, Rates and Charges Income has increased in the second quarter due to increased receipts, that will continue in May.

#### FSA Benefit Costs

A thorough analysis of the FSA Benefit Costs has been completed and booked in 2022. The total annual liability for the plan is now reflected in Benefits and Taxes Payable.

#### Professional Services Spending as of April 2022

Year-to-Date expense categories included in Professional Services as requested by the Board.

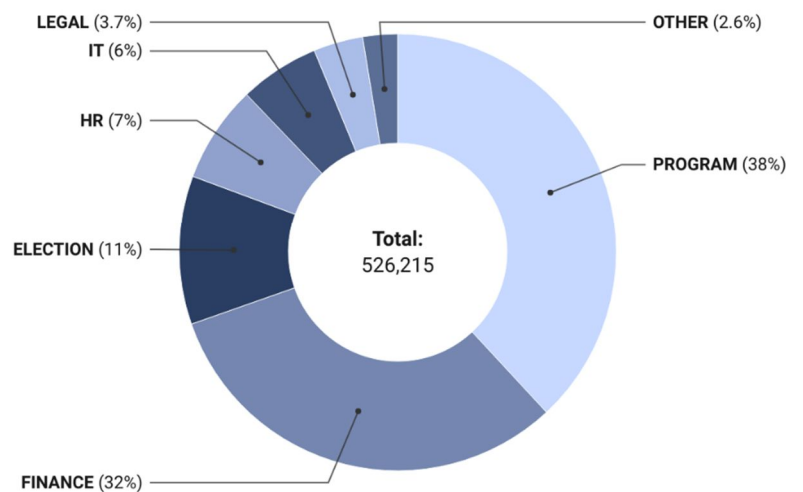


Chart: Erin Claflin Reed, YPTC • Source: QuickBooks • Created with Datawrapper

### RECOMMENDATIONS / UPDATES



#### 2021 Reports Submitted to SAO

Maria Chang – Ward, KCD Finance Coordinator, completed the submission of annual reports to the SAO for 2021, due May 30, 2022. YPTC assisted in the preparation of these reports. These will lead to the 2020-2021 Audit to be scheduled in the fall of 2022.



#### Finance Staff Training

Training of new Finance Staff is going well. With the new Administrative Director position posted, the KCD Finance Team will be complete soon.

# FINANCIAL DISCUSSIONS

**Statement of Financial Position** The Statement of Financial Position is presented on a modified cash basis. Benefits and Taxes payable decreased in April, as the April Department of Retirement Services was paid in April instead of the following month. The Annual FSA Liability is now included in Benefits and Taxes Payable. Accounts Payable includes Credit Card Payable and bills to be paid in May.

**Statement of Activities** The Statement of Activities details Revenue and Expense by General Ledger Account as compared to current approved 2022 Budget and the full prior year. Percentages show progress against those benchmarks. The cash basis budget expects payments to pick up as invoices are received and paid moving later in the year.

**Statement of Cash Flows** The Statement of Cash Flows shows a decrease in cash from Operating Activities from December of \$1,116,533.

Please let me know if you have any questions on the attached reports. As always thank you for the opportunity to work with KCD.

## ATTACHMENTS

- Page 3 - Comparative Statements of Financial Position – Modified Cash Basis
- Page 4 - Comparative Statements of Activities vs. Budget – Modified Cash Basis
- Page 5 - Statement of Cash

KING CONSERVATION DISTRICT  
COMPARATIVE STATEMENTS OF FINANCIAL POSITION - MODIFIED CASH BASIS  
As of April 30, 2022 and December 31, 2021

	<u>4/30/2022</u>	<u>12/31/2021</u>	<u>Variance</u>
ASSETS			
CURRENT ASSETS			
Cash and Equivalents	\$ 11,595,134	\$ 12,711,667	\$ (1,116,533)
Accounts Receivable	<u>-</u>	<u>-</u>	<u>-</u>
Total Current Assets	11,595,134	12,711,667	(1,116,533)
 Total Assets	 <u>\$ 11,595,134</u>	 <u>\$ 12,711,667</u>	 <u>\$ (1,116,533)</u>
LIABILITIES AND NET ASSETS			
CURRENT LIABILITIES			
Accounts Payable	\$ 8,854	\$ 7,978	\$ 876
Accrued Leave Payable	126,633	117,474	9,159
Benefits and Taxes Payable	<u>17,585</u>	<u>45,592</u>	<u>(28,007)</u>
Total Current Liabilities	153,072	171,044	(17,972)
 Total Liabilities	 <u>153,072</u>	 <u>171,044</u>	 <u>(17,972)</u>
 NET ASSETS	 <u>11,442,062</u>	 <u>12,540,623</u>	 <u>(1,098,561)</u>
 Total Liabilities and Net Assets	 <u>\$ 11,595,134</u>	 <u>\$ 12,711,667</u>	 <u>\$ (1,116,533)</u>

KING CONSERVATION DISTRICT  
COMPARATIVE STATEMENTS OF ACTIVITIES VS BUDGET - MODIFIED CASH BASIS  
For the Four Months Ended April 30, 2022 and the Year Ended December 31, 2021

	04/30/2022	2022 Budget	2021	% of Budget	% of Prior Year
<b>REVENUE AND SUPPORT</b>					
Grants and Contract Revenue	\$ 308,031	\$ 415,285	\$ 526,818	74%	58%
Rates and Charges Receipts	671,792	7,959,586	7,944,916	8%	8%
Landowner Cost Share Receipts	11,124	-	-	-	-
Plant Sale Revenue	6,324	120,000	129,359	5%	5%
Interest Income	7,009	108,408	11,405	6%	61%
Other Income	2,897	-	9,058	-	32%
Total Revenue and Support	<u>1,007,177</u>	<u>8,603,279</u>	<u>8,621,556</u>	12%	12%
<b>EXPENSES</b>					
Salaries & Wages	552,915	3,251,364	2,177,315	17%	25%
Benefits	201,693	-	755,982	-	27%
Professional Services	526,215	2,135,624	2,548,079	25%	21%
Member Jurisdiction Payments	258,813	4,440,477	978,778	6%	26%
Cost Share & LIP	44,390	942,087	256,064	5%	17%
Regional Food System Grants	242,426	3,313,296	595,674	7%	41%
Sponsorships & Awards	214	54,980	3,879	0%	6%
Occupancy	126,551	410,000	434,638	31%	29%
Field Supplies	77,861	207,106	151,206	38%	51%
Equipment	30,155	42,800	67,222	70%	45%
Insurance	-	46,500	52,054	0%	0%
Office Expense	5,066	46,663	33,937	11%	15%
Soil Testing	5,230	30,000	26,524	17%	20%
Training	671	32,080	24,921	2%	3%
Communications	11,821	29,850	16,430	40%	72%
Travel	1,289	26,171	11,745	5%	11%
Repairs & Maintenance	2,315	17,000	4,974	14%	47%
Advertising	4,890	14,150	6,743	35%	73%
Publications & Subscriptions	8,643	11,500	-	75%	-
Dues & Membership	591	8,340	6,217	7%	10%
Fuel	1,948	8,000	6,540	24%	30%
Permits & Fees	557	6,625	15,872	8%	4%
Bank Fees	1,484	-	8,741	-	17%
Interest Expense	-	-	118	-	0%
Total Expenses	<u>2,105,738</u>	<u>15,074,613</u>	<u>8,183,653</u>	14%	26%
Change in Net Assets	(1,098,561)	(6,471,334)	437,903	17%	-251%
Net Assets, Beginning of Year	<u>12,540,623</u>	<u>12,540,623</u>	<u>12,102,720</u>	100%	104%
Net Assets, End of Year	<u>\$ 11,442,062</u>	<u>\$ 6,069,289</u>	<u>\$ 12,540,623</u>	189%	91%

Unaudited - For Management Use Only

KING CONSERVATION DISTRICT  
STATEMENT OF CASH FLOWS  
For the Four Months Ended April 30, 2022

OPERATING ACTIVITIES	
Change in Net Assets	\$ (1,098,561)
To Adjust for Changes In:	
Accounts Receivable	-
Accounts Payable	876
Leave Payable	9,159
Benefits Payable	(28,007)
Net Cash Used by Operating Activities	<u>(1,116,533)</u>
Cash at Beginning of Period	<u>12,711,667</u>
Cash at End of Period	<u><u>\$ 11,595,134</u></u>

King Conservation District  
Check Detail  
April through May 2022

AI 22-040

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Deposit		04/06/2022			1000 · Bank of America - 0408		0.00
TOTAL						0.00	0.00
Check		04/30/2022			1020 · US Bank - 0152		-27.19
					8200 · Bank Fees	-27.19	27.19
TOTAL						-27.19	27.19
Bill Pmt -Check		05/10/2022	WA Department of Natural Resources		1000 · Bank of America - 0408		0.00
Deposit	882115C	04/21/2022	WA Department of Natural Resources		2000 · Accounts Payable	0.00	-344.16
TOTAL						0.00	-344.16
Check	ACH	04/01/2022			1020 · US Bank - 0152		-71.00
			King County:Riparian Restoration / Improvement:Plant Sale:		8200 · Bank Fees	-71.00	71.00
TOTAL						-71.00	71.00
Check	ACH	04/01/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-784.13
			King County		2240 · FSA Payable	-784.13	784.13
TOTAL						-784.13	784.13
Check	ACH	04/01/2022	Intuit		1000 · Bank of America - 0408		-120.01
			King County		7800 · Professional Services	-120.01	120.01
TOTAL						-120.01	120.01
Check	ACH	04/05/2022	UPS		1000 · Bank of America - 0408		-118.49
			King County:Rural Land Stewardship		6100 · Postage	-118.49	118.49
TOTAL						-118.49	118.49
Check	ACH	04/05/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-511.20
			King County		2240 · FSA Payable	-511.20	511.20
TOTAL						-511.20	511.20
Check	ACH	04/06/2022	WA Employment Security Dept		1000 · Bank of America - 0408		-10,488.30
			King County		2210 · State Payroll Tax & Insurance	-7,180.08	7,180.08
					5210 · State Payroll Tax & Insurance	-3,308.22	3,308.22
TOTAL						-10,488.30	10,488.30
Check	ACH	04/08/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-18.75
			King County		2240 · FSA Payable	-18.75	18.75
TOTAL						-18.75	18.75
Check	ACH	04/11/2022	PayNorthwest		1000 · Bank of America - 0408		-3,354.97
			King County		7800 · Professional Services	-3,354.97	3,354.97
TOTAL						-3,354.97	3,354.97
Check	ACH	04/12/2022	UPS		1000 · Bank of America - 0408		-160.91
			King County:Rural Land Stewardship		6100 · Postage	-160.91	160.91
TOTAL						-160.91	160.91
Check	ACH	04/15/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-2,040.44
			King County		2240 · FSA Payable	-2,040.44	2,040.44
TOTAL						-2,040.44	2,040.44
Bill Pmt -Check	ACH	04/18/2022	US Bank VISA		1020 · US Bank - 0152		-5,954.95
Bill	032422-VISA	03/24/2022	King County		2010 · Credit Card Payable - 5635	-5,954.95	5,954.95
TOTAL						-5,954.95	5,954.95
Check	ACH	04/19/2022	UPS		1000 · Bank of America - 0408		-64.70

King Conservation District  
Check Detail  
April through May 2022

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL			King County:Rural Land Stewardship		6100 · Postage	-64.70	64.70
						-64.70	64.70
Check	ACH	04/22/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-260.10
TOTAL			King County		2240 · FSA Payable	-260.10	260.10
						-260.10	260.10
Check	ACH	04/22/2022			1000 · Bank of America - 0408		-15.00
TOTAL			King County		8200 · Bank Fees	-15.00	15.00
						-15.00	15.00
Check	ACH	04/25/2022	PayNorthwest		1000 · Bank of America - 0408		-123.70
TOTAL			King County		7800 · Professional Services	-123.70	123.70
						-123.70	123.70
Check	ACH	04/26/2022	UPS		1000 · Bank of America - 0408		-78.88
TOTAL			King County:Rural Land Stewardship		6100 · Postage	-78.88	78.88
						-78.88	78.88
Check	ACH	04/29/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-1,143.48
TOTAL			King County		2240 · FSA Payable	-1,143.48	1,143.48
						-1,143.48	1,143.48
Check	ACH	04/29/2022			1000 · Bank of America - 0408		-3.00
TOTAL					8200 · Bank Fees	-3.00	3.00
						-3.00	3.00
Check	ACH	05/02/2022			1020 · US Bank - 0152		-71.00
TOTAL			King County:Riparian Restoration / Improvement:Plant Sale:		8200 · Bank Fees	-71.00	71.00
						-71.00	71.00
Check	ACH	05/03/2022	UPS		1000 · Bank of America - 0408		-64.70
TOTAL			King County:Rural Land Stewardship		6100 · Postage	-64.70	64.70
						-64.70	64.70
Check	ACH	05/03/2022			1000 · Bank of America - 0408		-30.00
TOTAL			King County		8200 · Bank Fees	-30.00	30.00
						-30.00	30.00
Check	ACH	05/04/2022	Bank of America		1000 · Bank of America - 0408		-30.00
TOTAL			King County		8200 · Bank Fees	-30.00	30.00
						-30.00	30.00
Check	ACH	05/09/2022	UPS		1000 · Bank of America - 0408		-7.00
TOTAL			King County:Rural Land Stewardship		6100 · Postage	-7.00	7.00
						-7.00	7.00
Check	ACH	05/10/2022	PayNorthwest		1000 · Bank of America - 0408		-365.98
TOTAL			King County		7800 · Professional Services	-365.98	365.98
						-365.98	365.98
Check	ACH	05/12/2022	Bank of America		1000 · Bank of America - 0408		-30.00
TOTAL			King County		8200 · Bank Fees	-30.00	30.00
						-30.00	30.00
Check	ACH	05/12/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-360.57
TOTAL			King County		2240 · FSA Payable	-360.57	360.57
						-360.57	360.57

King Conservation District  
Check Detail  
April through May 2022

	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
	Check	ACH	05/13/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-88.48
				King County	2240 · FSA Payable		-88.48	88.48
TOTAL							-88.48	88.48
	Check	ACH	05/13/2022			1020 · US Bank - 0152		-28.59
				King County	8200 · Bank Fees		-28.59	28.59
TOTAL							-28.59	28.59
	Check	ACH	05/16/2022	UPS		1000 · Bank of America - 0408		-174.59
				King County:Rural Land Stewardship	6100 · Postage		-174.59	174.59
TOTAL							-174.59	174.59
	Check	ACH	05/20/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-302.99
				King County	2240 · FSA Payable		-302.99	302.99
TOTAL							-302.99	302.99
	Check	ACH	05/23/2022	UPS		1000 · Bank of America - 0408		-40.77
				King County:Rural Land Stewardship	6100 · Postage		-40.77	40.77
TOTAL							-40.77	40.77
	Check	ACH	05/24/2022	Bank of America		1000 · Bank of America - 0408		-15.00
				King County	8200 · Bank Fees		-15.00	15.00
TOTAL							-15.00	15.00
	Check	ACH	05/25/2022	PayNorthwest		1000 · Bank of America - 0408		-123.70
				King County	7800 · Professional Services		-123.70	123.70
TOTAL							-123.70	123.70
	Check	ACH	05/27/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-1,114.23
				King County	2240 · FSA Payable		-1,114.23	1,114.23
TOTAL							-1,114.23	1,114.23
	Check	ACH	05/31/2022	Bank of America		1000 · Bank of America - 0408		-3.00
					8200 · Bank Fees		-3.00	3.00
TOTAL							-3.00	3.00
	Bill Pmt -Check	24295	04/07/2022	Comcast - PA		1000 · Bank of America - 0408		-411.94
	Bill	143943184	04/05/2022	King County	6600 · Communications		-411.94	411.94
TOTAL							-411.94	411.94
	Bill Pmt -Check	24296	04/07/2022	Comcast Business		1000 · Bank of America - 0408		-254.16
	Bill	3/31/22 - 4/30/22	04/05/2022	King County	6005 · Utilities		-254.16	254.16
TOTAL							-254.16	254.16
	Bill Pmt -Check	24297	04/07/2022	ECOSS		1000 · Bank of America - 0408		-1,625.81
	Bill	00005	04/05/2022	King County:Riparian Land Stewardship	7800 · Professional Services		-1,625.81	1,625.81
TOTAL							-1,625.81	1,625.81
	Bill Pmt -Check	24298	04/07/2022	Ellen Arnstein		1000 · Bank of America - 0408		-38.65
	Bill	Mar22 Expense	04/05/2022	King County:Urban Forest Stewardship	7700 · Travel		-7.78	7.78
				King County:Small Lot Forest Stewardship	7700 · Travel		-30.87	30.87
TOTAL							-38.65	38.65
	Bill Pmt -Check	24299	04/07/2022	Environmental Science Center		1000 · Bank of America - 0408		-5,799.50
	Bill	MJG ESC 04112022	04/07/2022	King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-293.77	293.77
				King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-1,915.12	1,915.12
				King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-1,030.51	1,030.51
				King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-1,610.13	1,610.13
				King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-46.21	46.21



King Conservation District  
Check Detail  
April through May 2022

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL			King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-594.14	594.14
			King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-309.62	309.62
						-5,799.50	5,799.50
Bill Pmt -Check	24300	04/07/2022	Highline College		1000 · Bank of America - 0408		-13,337.42
Bill	REV-PROJ #4170 FEB21	04/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-13,337.42	13,337.42
TOTAL						-13,337.42	13,337.42
Bill Pmt -Check	24301	04/07/2022	Hip Hop is Green		1000 · Bank of America - 0408		-19,587.36
Bill	MJG HHIG 04112022	04/07/2022	King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-19,587.36	19,587.36
TOTAL						-19,587.36	19,587.36
Bill Pmt -Check	24302	04/07/2022	JL Consulting Group LLC		1000 · Bank of America - 0408		-10,650.00
Bill	2022-0006	04/05/2022	King County		7800 · Professional Services	-10,650.00	10,650.00
TOTAL						-10,650.00	10,650.00
Bill Pmt -Check	24303	04/07/2022	King County Water & Land Resource Div		1000 · Bank of America - 0408		-57,754.68
Bill	MJG 04112022	01/31/2022	King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-57,754.68	57,754.68
TOTAL						-57,754.68	57,754.68
Bill Pmt -Check	24304	04/07/2022	Macy Schmidt		1000 · Bank of America - 0408		-145.60
Bill	Feb/Mar Exp	04/06/2022	King County:Riparian Restoration / Improvement		7700 · Travel	-145.60	145.60
TOTAL						-145.60	145.60
Bill Pmt -Check	24305	04/07/2022	McLendon Hardware - Renton		1000 · Bank of America - 0408		-84.75
Bill	1641112732	04/06/2022	King County:Riparian Restoration / Improvement:Plant Sale	6410 · Field Supplies		-66.04	66.04
			King County:Riparian Restoration / Improvement	6410 · Field Supplies		-18.71	18.71
TOTAL						-84.75	84.75
Bill Pmt -Check	24306	04/07/2022	Megan Melick-Weldon		1000 · Bank of America - 0408		-199.41
Bill	199.41	04/06/2022	King County:Rural Land Stewardship		7700 · Travel	-199.41	199.41
TOTAL						-199.41	199.41
Bill Pmt -Check	24307	04/07/2022	Michael Lasecki		1000 · Bank of America - 0408		-108.33
Bill	Mar22 Travel	03/29/2022	King County:Small Lot Forest Stewardship		7700 · Travel	-40.37	40.37
			King County:Small Lot Forest Stewardship		6410 · Field Supplies	-23.16	23.16
Bill	Mar21 Travel	04/07/2022	King County:Small Lot Forest Stewardship		7700 · Travel	-44.80	44.80
TOTAL						-108.33	108.33
Bill Pmt -Check	24308	04/07/2022	Mountain Mist		1000 · Bank of America - 0408		-70.35
Bill	7882760000070354	04/05/2022	King County		7000 · Rentals	-70.35	70.35
TOTAL						-70.35	70.35
Bill Pmt -Check	24309	04/07/2022	National Construction Rentals		1000 · Bank of America - 0408		-162.95
Bill	6487907	04/06/2022	King County:Riparian Restoration / Improvement		7000 · Rentals	-81.48	81.48
			King County:Riparian Restoration / Improvement		7000 · Rentals	-81.47	81.47
TOTAL						-162.95	162.95
Bill Pmt -Check	24310	04/07/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-115.00
Bill	10450849	04/05/2022	King County		5200 · Health Insurance	-115.00	115.00
TOTAL						-115.00	115.00
Bill Pmt -Check	24311	04/07/2022	New Day Cooperative Distribution		1000 · Bank of America - 0408		-3,996.85
Bill	Invoice #2	04/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-3,996.85	3,996.85
TOTAL						-3,996.85	3,996.85
Bill Pmt -Check	24312	04/07/2022	Pinebrook Meadows HOA		1000 · Bank of America - 0408		-793.53
Bill	WLI-2020-01	03/29/2022	King County:Small Lot Forest Stewardship		9994 · Cost Share & LIP	-793.53	793.53
TOTAL						-793.53	793.53

King Conservation District  
Check Detail  
April through May 2022

	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
	Bill Pmt -Check	24313	04/07/2022	Renton Office Park LLC		1000 · Bank of America - 0408		-6,336.01
	Bill	001797	03/24/2022	King County	6000 · Occupancy		-6,336.01	6,336.01
TOTAL							-6,336.01	6,336.01
	Bill Pmt -Check	24314	04/07/2022	Restoration Analytics & Design LLC		1000 · Bank of America - 0408		-2,200.00
	Bill	0164	04/05/2022	King County:Urban Forest Stewardship	7800 · Professional Services		-2,200.00	2,200.00
TOTAL							-2,200.00	2,200.00
	Bill Pmt -Check	24315	04/07/2022	Robert Half Finance & Accounting		1000 · Bank of America - 0408		-5,274.72
	Bill	59675964	03/28/2022	King County	7800 · Professional Services		-2,930.40	2,930.40
	Bill	59730051	04/05/2022	King County	7800 · Professional Services		-2,344.32	2,344.32
TOTAL							-5,274.72	5,274.72
	Bill Pmt -Check	24316	04/07/2022	Rosie McGoldrick		1000 · Bank of America - 0408		-77.84
	Bill	Mar22 Travel	03/29/2022	King County	7700 · Travel		-77.84	77.84
TOTAL							-77.84	77.84
	Bill Pmt -Check	24317	04/07/2022	Salix Advisors LLC		1000 · Bank of America - 0408		-6,487.50
	Bill	22-115	04/05/2022	King County	7800 · Professional Services		-6,487.50	6,487.50
TOTAL							-6,487.50	6,487.50
	Bill Pmt -Check	24318	04/07/2022	SnoValley Tilth		1000 · Bank of America - 0408		-2,117.63
	Bill	SVT_AltTenure_Q42021	04/05/2022	King County:Regional Food System	9992 · Regional Food System Grants		-2,117.63	2,117.63
TOTAL							-2,117.63	2,117.63
	Bill Pmt -Check	24319	04/07/2022	T-Mobile		1000 · Bank of America - 0408		-1,268.30
	Bill	033122 TMobile	04/06/2022	King County	6600 · Communications		-1,268.30	1,268.30
TOTAL							-1,268.30	1,268.30
	Bill Pmt -Check	24320	04/07/2022	The Athena Group		1000 · Bank of America - 0408		-1,000.00
	Bill	4625	04/07/2022	King County	7800 · Professional Services		-1,000.00	1,000.00
TOTAL							-1,000.00	1,000.00
	Bill Pmt -Check	24321	04/07/2022	Tree Solutions Inc		1000 · Bank of America - 0408		-14,531.25
	Bill	34579	04/05/2022	King County:Urban Forest Stewardship	7800 · Professional Services		-14,531.25	14,531.25
TOTAL							-14,531.25	14,531.25
	Bill Pmt -Check	24322	04/07/2022	UPS		1000 · Bank of America - 0408		0.00
TOTAL							0.00	0.00
	Bill Pmt -Check	24323	04/07/2022	US Bank Eq. Finance		1000 · Bank of America - 0408		-3,298.91
	Bill	468117577	04/06/2022	King County	7000 · Rentals		-3,298.91	3,298.91
TOTAL							-3,298.91	3,298.91
	Bill Pmt -Check	24324	04/07/2022	Washington Alarm, Inc.		1000 · Bank of America - 0408		-386.02
	Bill	544072	04/06/2022	King County	6005 · Utilities		-386.02	386.02
TOTAL							-386.02	386.02
	Bill Pmt -Check	24325	04/07/2022	Washington State Ferries		1000 · Bank of America - 0408		-50.00
	Bill	*RK388653	03/29/2022	King County	7700 · Travel		-50.00	50.00
TOTAL							-50.00	50.00
	Bill Pmt -Check	24326	04/07/2022	WFSE-Union		1000 · Bank of America - 0408		-1,665.33
	Bill	033122 - WFSE	04/06/2022	King County	2250 · Union Dues Payable		-1,665.33	1,665.33
TOTAL							-1,665.33	1,665.33
	Bill Pmt -Check	24327	04/07/2022	White River Valley Museum		1000 · Bank of America - 0408		-8,653.98
	Bill	MJG WRVM 04112022	04/07/2022	King County:Member Jurisdiction Grants	9998 · Member Jurisdiction Payments		-8,653.98	8,653.98

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	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL							-8,653.98	8,653.98
	Bill Pmt -Check	24328	04/07/2022	Your Part-Time Controller, LLC		1000 · Bank of America - 0408		-5,275.00
	Bill	22-3-3030	03/28/2022			7800 · Professional Services	-2,370.00	2,370.00
	Bill	22-4-447	04/05/2022	King County		7800 · Professional Services	-2,905.00	2,905.00
TOTAL							-5,275.00	5,275.00
	Bill Pmt -Check	24329	04/26/2022	A&L Western Ag Labs, Inc.		1000 · Bank of America - 0408		-2,553.60
	Bill	237850	04/07/2022	King County:Rural Land Stewardship		6910 · Soil Testing	-1,555.60	1,555.60
	Bill	238022	04/15/2022	King County:Rural Land Stewardship		6910 · Soil Testing	-998.00	998.00
TOTAL							-2,553.60	2,553.60
	Bill Pmt -Check	24330	04/26/2022	ACF West Inc.		1000 · Bank of America - 0408		-390.83
	Bill	448073	04/04/2022	King County:Riparian Restoration / Improvement		6410 · Field Supplies	-138.61	138.61
				King County:Riparian Restoration / Improvement		6410 · Field Supplies	-138.61	138.61
	Bill	448344	04/07/2022	King County:Riparian Restoration / Improvement		6410 · Field Supplies	-56.81	56.81
				King County:Riparian Restoration / Improvement		6410 · Field Supplies	-56.80	56.80
TOTAL							-390.83	390.83
	Bill Pmt -Check	24331	04/26/2022	Backflow & Irrigation Solutions LLC		1000 · Bank of America - 0408		-1,981.80
	Bill	INV0155	04/04/2022	King County:Riparian Restoration / Improvement		7800 · Professional Services	-1,981.80	1,981.80
TOTAL							-1,981.80	1,981.80
	Bill Pmt -Check	24332	04/26/2022	Brett Anderson		1000 · Bank of America - 0408		-42.70
	Bill	162934521; 150348057	04/11/2022	King County:Small Lot Forest Stewardship		7700 · Travel	-42.70	42.70
TOTAL							-42.70	42.70
	Bill Pmt -Check	24333	04/26/2022	Camp Fire Central Puget Sound		1000 · Bank of America - 0408		-166.67
	Bill	5/14/2022 Rental	04/13/2022	Washington State Conservation Comission:22-09-IM		7000 · Rentals	-166.67	166.67
TOTAL							-166.67	166.67
	Bill Pmt -Check	24334	04/26/2022	Enumclaw Expo Center		1000 · Bank of America - 0408		-135.00
	Bill		04/12/2022	King County		7000 · Rentals	-135.00	135.00
TOTAL							-135.00	135.00
	Bill Pmt -Check	24335	04/26/2022	Feed Seven Generations		1000 · Bank of America - 0408		-4,250.00
	Bill	FF00099	04/11/2022	King County:Regional Food System		9992 · Regional Food System Grants	-4,250.00	4,250.00
TOTAL							-4,250.00	4,250.00
	Bill Pmt -Check	24336	04/26/2022	Honey Bucket		1000 · Bank of America - 0408		-236.50
	Bill	0552685293	04/04/2022	King County:Riparian Restoration / Improvement		9994 · Cost Share & LIP	-118.25	118.25
				King County:Riparian Restoration / Improvement		6410 · Field Supplies	-118.25	118.25
TOTAL							-236.50	236.50
	Bill Pmt -Check	24337	04/26/2022	InTWO fka ICS Support Inc		1000 · Bank of America - 0408		-6,422.06
	Bill	24972	03/15/2022	King County		7800 · Professional Services	-6,075.44	6,075.44
	Bill	25190	04/06/2022	King County		7800 · Professional Services	-346.62	346.62
TOTAL							-6,422.06	6,422.06
	Bill Pmt -Check	24338	04/26/2022	Renton Office Park LLC		1000 · Bank of America - 0408		-20,534.67
	Bill	May 2022	04/25/2022	King County		6000 · Occupancy	-20,534.67	20,534.67
TOTAL							-20,534.67	20,534.67
	Bill Pmt -Check	24339	04/26/2022	Restoration Analytics & Design LLC		1000 · Bank of America - 0408		-5,150.00
	Bill	0161	03/08/2022	King County:Urban Forest Stewardship		7800 · Professional Services	-3,000.00	3,000.00
	Bill	0160	03/08/2022	King County:Urban Forest Stewardship		7800 · Professional Services	-2,150.00	2,150.00
TOTAL							-5,150.00	5,150.00
	Bill Pmt -Check	24340	04/26/2022	Seattle Economic Development Fund dba		1000 · Bank of America - 0408		-71,383.99
	Bill	04 - Fiscal Q4	04/11/2022	King County:Regional Food System		9992 · Regional Food System Grants	-71,383.99	71,383.99

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	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL							-71,383.99	71,383.99
	Bill Pmt -Check	24341	04/26/2022	Skagit Conservation District		1000 · Bank of America - 0408		-67.89
	Bill	1954	04/08/2022	King County		6410 · Field Supplies	-67.89	67.89
TOTAL							-67.89	67.89
	Bill Pmt -Check	24342	04/26/2022	Summit Law Group PLLC		1000 · Bank of America - 0408		-910.00
	Bill	136133	04/20/2022	King County		7800 · Professional Services	-910.00	910.00
TOTAL							-910.00	910.00
	Bill Pmt -Check	24343	04/26/2022	WA Department of Ecology		1000 · Bank of America - 0408		-43,271.83
	Bill	WC000000867	04/11/2022	King County:Riparian Restoration / Improvement		7800 · Professional Services	-12,418.02	12,418.02
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-6,745.47	6,745.47
				King County:Riparian Restoration / Improvement		9994 · Cost Share & LIP	-709.07	709.07
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-709.07	709.07
				King County:Riparian Restoration / Improvement		6410 · Field Supplies	-11,345.10	11,345.10
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-11,345.10	11,345.10
TOTAL							-43,271.83	43,271.83
	Bill Pmt -Check	24344	04/26/2022	WA State Department of Agriculture		1000 · Bank of America - 0408		-75.00
	Bill	Jason Saura	04/25/2022	King County:Urban Forest Stewardship		7600 · Conferences & Trainings	-75.00	75.00
TOTAL							-75.00	75.00
	Bill Pmt -Check	24345	04/26/2022	Washington Water Trust		1000 · Bank of America - 0408		-6,005.50
	Bill	2022-03	04/08/2022	King County:Regional Food System		9992 · Regional Food System Grants	-6,005.50	6,005.50
TOTAL							-6,005.50	6,005.50
	Bill Pmt -Check	24346	04/26/2022	Weed Warriors		1000 · Bank of America - 0408		-12,423.72
	Bill	1	04/10/2022	King County:Regional Food System		9992 · Regional Food System Grants	-12,423.72	12,423.72
TOTAL							-12,423.72	12,423.72
	Bill Pmt -Check	24347	04/26/2022	Your Part-Time Controller, LLC		1000 · Bank of America - 0408		-5,033.75
	Bill	22-4-1303	04/11/2022	King County		7800 · Professional Services	-2,977.50	2,977.50
	Bill	22-4-2171	04/18/2022	King County		7800 · Professional Services	-2,056.25	2,056.25
TOTAL							-5,033.75	5,033.75
	Bill Pmt -Check	24348	05/10/2022	21 Acres Center		1000 · Bank of America - 0408		-2,000.00
	Bill	FF00091 close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-2,000.00	2,000.00
TOTAL							-2,000.00	2,000.00
	Bill Pmt -Check	24349	05/10/2022	A&L Western Ag Labs, Inc.		1000 · Bank of America - 0408		-3,733.60
	Bill	237687	03/31/2022	King County:Rural Land Stewardship		6910 · Soil Testing	-1,300.00	1,300.00
	Bill	238246	04/28/2022	King County:Rural Land Stewardship		6910 · Soil Testing	-1,700.00	1,700.00
	Bill	238327	05/04/2022	King County:Rural Land Stewardship		6910 · Soil Testing	-733.60	733.60
TOTAL							-3,733.60	3,733.60
	Bill Pmt -Check	24350	05/10/2022	Aaron K Lichter		1000 · Bank of America - 0408		-890.80
	Bill	2018-69	05/06/2022	King County:Riparian Restoration / Improvement		9994 · Cost Share & LIP	-890.80	890.80
TOTAL							-890.80	890.80
	Bill Pmt -Check	24351	05/10/2022	Alliance 2020, Inc.		1000 · Bank of America - 0408		-425.64
	Bill	5837521	04/30/2022	King County		7800 · Professional Services	-425.64	425.64
TOTAL							-425.64	425.64
	Bill Pmt -Check	24352	05/10/2022	Carrie King		1000 · Bank of America - 0408		-154.44
	Bill	05042022	05/04/2022	King County:Rural Land Stewardship		7700 · Travel	-154.44	154.44
TOTAL							-154.44	154.44
	Bill Pmt -Check	24353	05/10/2022	City of Renton Utility Division		1000 · Bank of America - 0408		-40.19
	Bill	020097-000	03/30/2022	King County:Riparian Restoration / Improvement		6410 · Field Supplies	-40.19	40.19

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	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL							-40.19	40.19
	Bill Pmt -Check	24354	05/10/2022	Comcast Business		1000 · Bank of America - 0408		-254.10
	Bill	8498340053212140	04/26/2022	King County		6005 · Utilities	-254.10	254.10
TOTAL							-254.10	254.10
	Bill Pmt -Check	24355	05/10/2022	Daily Journal of Commerce		1000 · Bank of America - 0408		-696.00
	Bill	3376999	04/01/2022	King County:Rural Land Stewardship		7500 · Advertising	-696.00	696.00
TOTAL							-696.00	696.00
	Bill Pmt -Check	24356	05/10/2022	Harvest Against Hunger		1000 · Bank of America - 0408		-19,995.26
	Bill	FF00064 Close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-10,000.00	10,000.00
	Bill	FF00075 Close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-9,995.26	9,995.26
TOTAL							-19,995.26	19,995.26
	Bill Pmt -Check	24357	05/10/2022	Health Care Authority		1000 · Bank of America - 0408		-51,628.27
	Bill	P202204	03/28/2022	King County		5200 · Health Insurance	-26,902.64	26,902.64
	Bill	P202205	05/06/2022	King County		5200 · Health Insurance	-24,725.63	24,725.63
TOTAL							-51,628.27	51,628.27
	Bill Pmt -Check	24358	05/10/2022	InTWO fka ICS Support Inc		1000 · Bank of America - 0408		-5,087.65
	Bill	25301	04/15/2022	King County		7800 · Professional Services	-4,741.03	6,075.44
	Bill	25501	05/01/2022	King County		7800 · Professional Services	-346.62	346.62
TOTAL							-5,087.65	6,422.06
	Bill Pmt -Check	24359	05/10/2022	Inslee Best Doezie & Ryder, P.S.		1000 · Bank of America - 0408		-9,192.50
	Bill	378570	03/24/2022	King County		7800 · Professional Services	-3,077.00	3,077.00
	Bill	378869	04/06/2022	King County		7800 · Professional Services	-6,115.50	6,115.50
TOTAL							-9,192.50	9,192.50
	Bill Pmt -Check	24360	05/10/2022	Jason Mirro		1000 · Bank of America - 0408		-115.48
	Bill	04272022	04/27/2022	King County:Rural Land Stewardship		7700 · Travel	-115.48	115.48
TOTAL							-115.48	115.48
	Bill Pmt -Check	24361	05/10/2022	Jason Saura		1000 · Bank of America - 0408		-30.00
	Bill	04252022	04/25/2022	King County:Urban Forest Stewardship		7600 · Conferences & Trainings	-30.00	30.00
TOTAL							-30.00	30.00
	Bill Pmt -Check	24362	05/10/2022	JL Consulting Group LLC		1000 · Bank of America - 0408		-11,887.50
	Bill	2022-0011	05/04/2022	King County		7800 · Professional Services	-11,887.50	11,887.50
TOTAL							-11,887.50	11,887.50
	Bill Pmt -Check	24363	05/10/2022	Kathryn Lewis		1000 · Bank of America - 0408		0.00
TOTAL							0.00	0.00
	Bill Pmt -Check	24364	05/10/2022	Ludtke Pacific Trucking		1000 · Bank of America - 0408		-3,362.49
	Bill	1121013	03/15/2022	King County:Riparian Restoration / Improvement:Plant Sale:Z 7000 · Rentals			-3,362.49	3,362.49
TOTAL							-3,362.49	3,362.49
	Bill Pmt -Check	24365	05/10/2022	Mathewsons Automotive And Tire		1000 · Bank of America - 0408		-242.81
	Bill	81830	04/25/2022	King County		7100 · Repairs & Maintenance	-242.81	242.81
TOTAL							-242.81	242.81
	Bill Pmt -Check	24366	05/10/2022	Matt Maria		1000 · Bank of America - 0408		-269.36
	Bill	05042022	05/04/2022	King County:Rural Land Stewardship		7600 · Conferences & Trainings	-165.00	165.00
	Bill	05062022	05/06/2022	King County:Rural Land Stewardship		7600 · Conferences & Trainings	-104.36	104.36
TOTAL							-269.36	269.36
	Bill Pmt -Check	24367	05/10/2022	Max P Prinsen		1000 · Bank of America - 0408		-2,775.00

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	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL	Bill	2018-21	05/06/2022	King County:Small Lot Forest Stewardship		9994 · Cost Share & LIP	-2,775.00	2,775.00
							-2,775.00	2,775.00
	Bill Pmt -Check	24368	05/10/2022	Mountain Mist		1000 · Bank of America - 0408		-70.35
TOTAL	Bill	004721201	04/28/2022	King County		7000 · Rentals	-70.35	70.35
							-70.35	70.35
	Bill Pmt -Check	24369	05/10/2022	National Construction Rentals		1000 · Bank of America - 0408		-162.95
TOTAL	Bill	6521158	04/14/2022	King County:Riparian Restoration / Improvement		7000 · Rentals	-81.48	81.48
				King County:Riparian Restoration / Improvement		7000 · Rentals	-81.47	81.47
	Bill Pmt -Check	24370	05/10/2022	Navia Benefit Solutions Client Pay		1000 · Bank of America - 0408		-115.00
TOTAL	Bill	10458378	04/27/2022	King County		5200 · Health Insurance	-115.00	115.00
							-115.00	115.00
	Bill Pmt -Check	24371	05/10/2022	Oxbow Farm & Conservation Center		1000 · Bank of America - 0408		-10,656.50
TOTAL	Bill	5022-21/22	04/26/2022	King County:Riparian Restoration / Improvement		4610 · Cost of Good Sold - Plant Sale	-5,199.00	5,199.00
	Bill	P182383 22	04/26/2022	King County:Riparian Restoration / Improvement		4610 · Cost of Good Sold - Plant Sale	-5,457.50	5,457.50
	Bill Pmt -Check	24372	05/10/2022	PCC Farmland Trust - WA Farmland Trust		1000 · Bank of America - 0408		-6,290.00
TOTAL	Bill	FF00068 close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-6,290.00	6,290.00
							-6,290.00	6,290.00
	Bill Pmt -Check	24373	05/10/2022	Philip Bussey		1000 · Bank of America - 0408		-1,863.75
TOTAL	Bill	2017-50	05/06/2022	King County:Small Lot Forest Stewardship		9994 · Cost Share & LIP	-1,863.75	1,863.75
							-1,863.75	1,863.75
	Bill Pmt -Check	24374	05/10/2022	Pitney Bowes Global Financial Services		1000 · Bank of America - 0408		-18.07
TOTAL	Bill	3315632596	04/27/2022	King County		7000 · Rentals	-18.07	18.07
							-18.07	18.07
	Bill Pmt -Check	24375	05/10/2022	Renton Office Park LLC		1000 · Bank of America - 0408		-13,445.01
TOTAL	Bill	001861	04/27/2022	King County		6000 · Occupancy	-13,445.01	13,445.01
							-13,445.01	13,445.01
	Bill Pmt -Check	24376	05/10/2022	Salix Advisors LLC		1000 · Bank of America - 0408		-6,787.50
TOTAL	Bill	22-116	04/30/2022	King County		7800 · Professional Services	-6,787.50	6,787.50
							-6,787.50	6,787.50
	Bill Pmt -Check	24377	05/10/2022	Seattle Good Business Network		1000 · Bank of America - 0408		-10,762.50
TOTAL	Bill	FF00069 close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-10,762.50	10,762.50
							-10,762.50	10,762.50
	Bill Pmt -Check	24378	05/10/2022	T-Mobile		1000 · Bank of America - 0408		-1,268.30
TOTAL	Bill	964060014	04/21/2022	King County		6600 · Communications	-1,268.30	1,268.30
							-1,268.30	1,268.30
	Bill Pmt -Check	24379	05/10/2022	The Athena Group		1000 · Bank of America - 0408		-500.00
TOTAL	Bill	4636	05/02/2022	King County		7800 · Professional Services	-500.00	500.00
							-500.00	500.00
	Bill Pmt -Check	24380	05/10/2022	Tom Ray		1000 · Bank of America - 0408		-2,226.76
TOTAL	Bill	2018-17	05/06/2022	King County:Small Lot Forest Stewardship		9994 · Cost Share & LIP	-2,226.76	2,226.76
							-2,226.76	2,226.76
	Bill Pmt -Check	24381	05/10/2022	US Bank Eq. Finance		1000 · Bank of America - 0408		-3,590.80
TOTAL	Bill	470526179	04/20/2022	King County		7000 · Rentals	-3,590.80	3,590.80

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	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
TOTAL							-3,590.80	3,590.80
	Bill Pmt -Check	24382	05/10/2022	Vashon Island Growers Association		1000 · Bank of America - 0408		-1,908.70
	Bill	FF00087 close-out	05/05/2022	King County:Regional Food System		9992 · Regional Food System Grants	-1,908.70	1,908.70
TOTAL							-1,908.70	1,908.70
	Bill Pmt -Check	24383	05/10/2022	WACD Plant Material Center		1000 · Bank of America - 0408		-850.00
	Bill	Ludtke	03/10/2022	King County:Riparian Restoration / Improvement		7000 · Rentals	-850.00	850.00
TOTAL							-850.00	850.00
	Bill Pmt -Check	24384	05/10/2022	WFSE-Union		1000 · Bank of America - 0408		-1,671.95
	Bill	04302022 - WFSE	04/27/2022	King County		2250 · Union Dues Payable	-1,671.95	1,671.95
TOTAL							-1,671.95	1,671.95
	Bill Pmt -Check	24385	05/10/2022	Your Part-Time Controller, LLC		1000 · Bank of America - 0408		-3,068.75
	Bill	22-4-3040	04/25/2022	King County		7800 · Professional Services	-736.25	736.25
	Bill	22-5-440	05/02/2022	King County		7800 · Professional Services	-2,332.50	2,332.50
TOTAL							-3,068.75	3,068.75
	Bill Pmt -Check	24386	05/23/2022	Alliance Print & Promo, Inc.		1000 · Bank of America - 0408		-2,220.20
	Bill	44226	05/11/2022	King County:Riparian Land Stewardship		6110 · Printing	-2,220.20	2,220.20
TOTAL							-2,220.20	2,220.20
	Bill Pmt -Check	24387	05/23/2022	Association of Washington Cities (AWC)		1000 · Bank of America - 0408		-500.00
	Bill	97811	05/18/2022	King County		6800 · Dues & Memberships	-500.00	500.00
TOTAL							-500.00	500.00
	Bill Pmt -Check	24388	05/23/2022	City of Renton Utility Division		1000 · Bank of America - 0408		-40.19
	Bill	020097-000	04/30/2022	King County:Riparian Restoration / Improvement		6410 · Field Supplies	-40.19	40.19
TOTAL							-40.19	40.19
	Bill Pmt -Check	24389	05/23/2022	Compensation Connections LLC		1000 · Bank of America - 0408		-1,560.00
	Bill	2175	05/08/2022	King County		7800 · Professional Services	-1,560.00	1,560.00
TOTAL							-1,560.00	1,560.00
	Bill Pmt -Check	24390	05/23/2022	Enduris Washington		1000 · Bank of America - 0408		-1,000.00
	Bill	D22-C10221-1	05/09/2022	King County		7100 · Repairs & Maintenance	-500.00	500.00
	Bill	D22-C10218-1	05/09/2022	King County		7100 · Repairs & Maintenance	-500.00	500.00
TOTAL							-1,000.00	1,000.00
	Bill Pmt -Check	24391	05/23/2022	Gordon D Weed		1000 · Bank of America - 0408		-1,596.00
	Bill	LIP 2016-97	05/12/2022	King County:Small Lot Forest Stewardship		9994 · Cost Share & LIP	-1,596.00	1,596.00
TOTAL							-1,596.00	1,596.00
	Bill Pmt -Check	24392	05/23/2022	Kathryn Lewis		1000 · Bank of America - 0408		0.00
TOTAL							0.00	0.00
	Bill Pmt -Check	24393	05/23/2022	Michael Lasecki		1000 · Bank of America - 0408		-100.33
	Bill	05062022	05/06/2022	King County:Small Lot Forest Stewardship		7700 · Travel	-100.33	100.33
TOTAL							-100.33	100.33
	Bill Pmt -Check	24394	05/23/2022	National Construction Rentals		1000 · Bank of America - 0408		-187.18
	Bill	6499702	03/29/2022	King County:Riparian Restoration / Improvement		7000 · Rentals	-93.59	93.59
	Bill	6533080	04/26/2022	King County:Riparian Restoration / Improvement		7000 · Rentals	-93.59	93.59
TOTAL							-187.18	187.18
	Bill Pmt -Check	24395	05/23/2022	Renton Office Park LLC		1000 · Bank of America - 0408		-20,534.67
	Bill	June 2022	05/20/2022	King County		6000 · Occupancy	-20,534.67	20,534.67
TOTAL							-20,534.67	20,534.67

King Conservation District  
Check Detail  
April through May 2022

	Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
	Bill Pmt -Check	24396	05/23/2022	Restoration Analytics & Design LLC		1000 · Bank of America - 0408		-1,500.00
	Bill	0166	05/05/2022	King County:Urban Forest Stewardship		7800 · Professional Services	-1,500.00	1,500.00
TOTAL							-1,500.00	1,500.00
	Bill Pmt -Check	24397	05/23/2022	South King County Food Coalition		1000 · Bank of America - 0408		-21,875.00
	Bill	#4 (Q3 2021)	05/18/2022	King County:Regional Food System		9992 · Regional Food System Grants	-1,250.00	1,250.00
	Bill	#5 (Q4 2021)	05/18/2022	King County:Regional Food System		9992 · Regional Food System Grants	-20,625.00	20,625.00
TOTAL							-21,875.00	21,875.00
	Bill Pmt -Check	24398	05/23/2022	Stewardship Partners		1000 · Bank of America - 0408		-1,000.00
	Bill	2022-6	02/09/2022			8300 · Sponsorships & Awards	-1,000.00	1,000.00
TOTAL							-1,000.00	1,000.00
	Bill Pmt -Check	24399	05/23/2022	The Athena Group		1000 · Bank of America - 0408		-600.00
	Bill	4650	05/06/2022	King County		7800 · Professional Services	-600.00	600.00
TOTAL							-600.00	600.00
	Bill Pmt -Check	24400	05/23/2022	Villa Comunitaria		1000 · Bank of America - 0408		-18,201.53
	Bill		05/20/2022	King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-18,201.53	18,201.53
TOTAL							-18,201.53	18,201.53
	Bill Pmt -Check	24401	05/23/2022	WA Department of Ecology		1000 · Bank of America - 0408		-35,145.83
	Bill	WC000000912	05/09/2022	King County:Riparian Restoration / Improvement		7800 · Professional Services	-13,447.92	13,447.92
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-9,322.92	9,322.92
				King County:Riparian Restoration / Improvement		9994 · Cost Share & LIP	-4,812.50	4,812.50
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-4,812.50	4,812.50
				King County:Riparian Restoration / Improvement		7800 · Professional Services	-2,749.99	2,749.99
TOTAL							-35,145.83	35,145.83
	Bill Pmt -Check	24402	05/23/2022	Your Part-Time Controller, LLC		1000 · Bank of America - 0408		-5,962.50
	Bill	25-5-1311	05/09/2022	King County		7800 · Professional Services	-3,395.00	3,395.00
	Bill	25-5-2246	05/16/2022	King County		7800 · Professional Services	-2,567.50	2,567.50
TOTAL							-5,962.50	5,962.50
	Bill Pmt -Check	24403	05/23/2022	YouthCare		1000 · Bank of America - 0408		-2,449.05
	Bill		05/20/2022	King County:Member Jurisdiction Grants		9998 · Member Jurisdiction Payments	-2,449.05	2,449.05
TOTAL							-2,449.05	2,449.05
	Bill Pmt -Check	24404	05/23/2022	Kathryn Lewis		1000 · Bank of America - 0408		-14,542.00
	Bill	1030	05/01/2022	King County		7800 · Professional Services	-13,882.00	13,882.00
				King County:Regional Food System		7800 · Professional Services	-660.00	660.00
TOTAL							-14,542.00	14,542.00
	Check	1000000	05/10/2022	Maria C Ward		1000 · Bank of America - 0408		-2,993.37
				King County		5000 · Salary & Wages	-2,993.37	2,993.37
TOTAL							-2,993.37	2,993.37



# New Business

**SUBJECT: 22-041**

- Approve grant tasks for Washington State Conservation Commission Implementation (IM) and Conservation Reserve Enhancement Program (CREP) grants

**FISCAL IMPACT**

- The WSCC Implementation and CREP grants will bring in \$138,194.25 new revenue for the period 7/1/22-6/30/23 for conservation technical assistance throughout our service area

**POLICY CONSIDERATION**

- The Board of Supervisors is required to review and approve grant requests of this nature to the Conservation Commission prior to their submittal

**STAKEHOLDER INTERESTS**

- Stakeholders will be positively impacted by the conservation work that this new funding provides

**BACKGROUND**

- Management intends to submit proposals for the Implementation and CREP grants containing the following work:
  - IM Task 1, Riparian Restoration, in the amount of \$34,066
  - IM Task 2, Where the Water Begins outreach, in the amount of \$17,389.55
  - IM Task 3, Small Lot Forestry, in the amount of \$66,367.45
  - CREP Task 1, Technical Assistance, in the amount of \$20,371.25

**EFFECTIVE DATE:**

- Upon approval by the Board of Supervisors

**OPTIONS**

- The Board of Supervisors has the option of approving the proposed grant tasks or returning them to senior management for further work.

**RECOMMENDATION**

- Staff recommends that the Board approve the proposed grant tasks

**MOTION**

- I move to approve the proposed grant tasks as presented.



Building *Relationships.*  
*Creating* Environments.

June 2<sup>nd</sup>, 2022

Lorna Miss  
King County Conservation District  
800 Southwest 39th Street, Suite #150  
Renton, WA 98057

Reference: King County Conservation District Server Room AC

PSF is pleased to provide our proposal for the added split system in your Server Room, our proposal is as follows:

**INCULSIONS**

- Provide 1.5 Ton Ductless Split System
- New Refrigeration Line Set & Refrigeration Piping Installation as Required
- Condensate Pump
- Condensate Piping
- Boom Truck
- Electrical Services
- Wireless Remote Thermostat
- Isolation Pads
- PSF Start-Up
- PSF Stamped Engineered Drawings
- Permit
- Labor
- PSF Standard One-Year Warranty
- Work to be done during Standard Business Hours

**GRAND TOTAL: \$26,933.00**

**CLARIFICATION:**

- PSF assumes that Greenbridge will providing the roofing and sheetrock contractor.

**EXCLUSIONS:**

- Washington State Sales Tax
- Roofing
- Cut/Patch/Paint
- Temporary services and utilization of mechanical equipment for temp heat
- Overtime and shiftwork
- Any work/material/labor not noted above

Sincerely,

*Sydney Luedeke*

Sydney Luedeke  
SPTI Project Executive



King Conservation District

# 2021 ANNUAL REPORT

Local Food • Healthy Forests • Clean Water • Better Ground



## WHO WE ARE, HOW WE WORK

King Conservation District is a nonregulatory, special purpose district funded mostly through rates and charges with a mission to promote the sustainable use of natural resources through responsible stewardship in King County. We provide education, technical assistance, and sometimes cost-sharing to private residents in forest management, farm conservation planning, wildfire preparedness, and streamside and shoreline enhancement. We also work with cities and other organizations to support community gardens, urban forest canopy, and local food systems.

KCD provides direct assistance to private residents to manage their natural resources for the collective benefit. The cumulative effect of these efforts improves water quality, soil health, forest canopy, and local food systems that benefit all of us through healthier ecosystems, abundant wildlife, and access to healthy, local food.

KCD achieves natural resource improvements by providing outreach – to connect with people ready to take action, education – to train individuals to better steward their natural resources, technical assistance – to provide access to natural resource technicians, and sometimes cost-share – to overcome financial barriers to making improvements.

KCD's work is guided by science-based standards and Best Management Practices (BMPs) set by the Natural Resources Conservation Service (NRCS). Our operations are overseen by our board of supervisors and the Washington State Conservation Commission (WSCC). The KCD Advisory Committee brings together regional stakeholders to provide input and guidance on our programming and efforts.

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# PLANNING FOR THE FUTURE

## Letter from the Executive Director and Board Chair

2021 was a big year for KCD. Rosa came on as our new executive director after more than a year of interim leadership, KCD underwent a significant restructuring to reduce overhead and streamline services, and KCD completed our 6-year, 2015-2021, strategic plan — all while successfully navigating the second year of COVID-19.

Like many organizations, KCD's second year of navigating COVID-19 saw us greatly improve how staff worked from home, completed site visits out in the field, and offered educational workshops online.

2021 also saw the launch of no less than three strategic initiatives. The Poverty Bay-Vashon Island Septic Maintenance Rebate Program is a partnership with Public Health Seattle & King County to incentivize septic maintenance to reduce fecal pollution. Shore Friendly King County was launched in collaboration with MidSound FEG, King County, WRIA 8, and WRIA 9 to offer conservation resources to marine shoreline owners. Trees for Rail was launched in partnership with the City of Shoreline and Sound Transit to re-green the Lynnwood Link Lightrail corridor.

For the second year, KCD worked to expand participation in our Board Elections by offering online ballot access and mailing out over 800,000 postcards to

voting households. KCD also worked to bring a reform bill before the WA state legislature to modernize how conservation district elections are held. Unfortunately, no reform bill made it out of committee, but KCD is committed to continuing to push for election improvements.

KCD's 2015-2021 strategic plan set goals and guidelines for our work over the last 6 years. The plan focused on expanding KCD's programming and reach in response to essential regional priorities identified by the 2014 Conservation Panel, Task Force, and KCD Advisory Committee. Thanks to those guiding priorities, KCD expanded our programming adding four new programs and moving two additional programs to permanent funding. This expansion has seen a dramatic increase in services KCD offers to urban residents. We've grown our relationships, partnerships, and investments in equity-focused programming, urban programming, and local food systems.

We are proud of the hard work and dedication our staff have shown during the last year, and excited for the amazing work we get to plan and execute in the upcoming years.



Kirstin Haugen  
2021-2022  
Board Chair



Rosa Méndez-Perez  
Executive Director



# KCD 6-YEAR STRATEGIC PLAN EXPANDED SERVICES + EQUITY

KCD's 2015-2021 Strategic Plan set guiding priorities for how KCD helped people steward natural resources over the last six years. The plan included growing KCD's services, outreach, and partnerships to respond to changing needs in King County while maintaining our core programming of education, technical assistance, and cost-share for riparian (shoreline) restoration, farm conservation planning, and forest health services.

As King County has developed, the natural resource needs of our region have shifted. In response, KCD launched four new programs in 2015. Community (Urban) Agriculture, Urban Forest Stewardship, and Urban Freshwater Shoreline Enhancement recognize the unique challenges of stewarding forest, water, and soil health in urban environments. The Regional Food System program was created in response to needs expressed by the King County Local Food Initiative and the Puget Sound Regional Food Policy Council. Two additional programs, Agriculture Drainage Assistance and Wildfire Preparedness, were moved to permanent funding in 2020 in response to strong community interest.

## Engagement and Education

KCD has dramatically expanded our communications channels - updating our website and social media presence and releasing our educational offerings



*Nature Stewards volunteer at the KCD Native Plant Nursery tending plants that will go into riparian restoration projects.*

as online video to improve awareness and reduce barriers for our conservation programming. KCD's innovative outreach efforts have included co-building an award-winning show garden at the 2020 Northwest Flower and Garden Festival to educate the more than 60,000 attendees on native plants and practices and turning our education workshops into self-guided learning modules to allow people to learn to be better stewards on their own time and at their own pace.

## Healthy Forests

KCD set out to increase the number of small forest landowners we engage, increase our investment in urban forests, and work to improve the health of our region's tree canopy. KCD expanded our reach by partnering with Washington State University Cooperative Extension to offer Coached Forest Stewardship courses each year in forest health management which educated over 1,000 people in 2021 alone.

Our Urban Forest Stewardship Program has invested \$150,000 each year into projects that improve tree canopy through partnership with member cities. In 2018, KCD was able to complete a tree canopy assessment for fifteen south King County cities to establish baselines of urban tree canopy, provide tools and resources for cities to take proactive steps for improvement, and increase tree canopy equity in King county.

Finally, in response to changes in climate and land use that have increased the risk of wildfire in King County, KCD secured funding to make our Wildfire Preparedness program permanent. Since 2019, this program has already worked with dozens of at-risk communities to prepare their homes to reduce the likelihood and severity of wildfire.

## Clean Water

To increase the reach of our clean water efforts, KCD worked to grow our farm conservation planning and rural services while expanding our shoreline restoration work into urban areas. KCD's expansion

into cities through our urban shorelines program and urban shoreline education workshops has been incredibly well-received. Since 2015, KCD has doubled the annual number of shoreline restoration projects, completing roughly 10 urban shoreline projects each year on top of roughly 10 rural shoreline projects also being undertaken each year. This expansion has also helped KCD build deeper relationships with cities and their planners. In 2021, KCD collaborated with local partners to launch Shore Friendly King County – bringing this popular marine shoreline program to residents of King County.

KCD's rural services have always been focused heavily on helping farmers and rural properties develop farm conservation plans and install best management practices to improve water quality. Since 2015, KCD's Landowner Incentive Program invested over \$1 million in cost-sharing farm best management practices to reduce excessive nutrient runoff and improve water quality.

### Local Food

KCD's commitment to local food over the last six years was to expand services to urban agriculture and invest in our local food system to improve its sustainability, equitability, and resilience.

In 2015, KCD started a Community Agriculture program to focus on urban agriculture in King County with an explicit focus on underserved communities in South King County. In the last six years, this program helped fledgling gardens get started and thrive by providing small seed grants and equipment. It has supplied dozens of gardens with over 1,000 yards of free compost, 500 pounds of cover crop seeds, and more than 3,000 culturally relevant seed starts for immigrant and refugee communities.

KCD's Regional Food System Program, also launched in 2015, has invested more than \$5.5 million dollars into our local food economy, leveraging \$2 million of matching funds, and \$1 million of in-kind contributions on projects that increase production, expand demand for local food products, and broaden access to locally grown foods by front-line communities. In the program's first year, none of the grant recipients were led by BIPOC communities, but by working with partners, and changing program marketing and selection criteria, 25% of grant recipients were led by



*In 2019, KCD supported the Asian Counseling And Referral Service (ACRS) with a \$75,000 grant to revitalize Seattle Community Farm.*

BIPOC communities in 2020.

Since 2014, KCD has partnered with King County's Department of Natural Resources and Parks to support the restoration and maintenance of agricultural drainage ditches in key areas of the county. These ditches are essential for the proper draining of working fields. In six years, the program has been able to improve or restore production on over 1,500 acres of farmland. In response to the popular demand, KCD moved the program to permanent funding in 2020.

### Member Jurisdiction Grants

KCD has awarded more than \$7.5 million in member jurisdiction grants over the last six years to member cities and King County to improve natural resources. Starting in 2017, KCD proudly worked with the City of Seattle to incorporate Seattle's Equity and Environment Agenda Goals into their grants ensuring that their grants also support projects that are co-created by, led by, and benefit people most impacted by environmental and climate issues: Black, Indigenous, People of Color, immigrants, refugees, people with low incomes, youth and elders.

### What's Next?

KCD will build out our next strategic plan in 2022. With help from The Athena Group, we will be reaching out to partners and cooperators to gather feedback to inform our priorities for upcoming years. This work will be undertaken with an explicit focus on the diversity, equity, and inclusion of our programming to ensure that KCD is best serving the people of our district and addressing conservation priorities brought on by climate change and other changes to our region.

Learn more about the strategic planning at [kingcd.org](http://kingcd.org).



At King Conservation District, we're all about better ground. Better ground means taking important stewardship actions at home and in our communities to create healthy soil and water, to provide healthy food, and to conserve land, water, forests, wildlife and related natural resources. And you don't have to go it alone. You have a partner, your local conservation district.

## 2021 ACCOMPLISHMENTS



# KCD PROGRAM AREAS

KCD has eleven main program areas laid out in our 2020-2024 Interlocal Agreement with King County that establishes the majority of our work planning. Along with these main programs, KCD has support programs that facilitate successful conservation projects including Engagement, Education, Landowner Incentive Program, Operations, and Finance.

## **Member Jurisdiction Grants**

Sets aside \$1.2 million of rates and charges each year to fund conservation projects selected by member jurisdictions and implemented by the jurisdiction or a partnering organization.

## **Riparian Land Stewardship**

Provides education and technical assistance to residents with marine and freshwater resources to allow individuals to better steward their natural resources.

## **Rural Land Stewardship & Farm Conservation Planning**

Provides education, natural resource technical assessments, recommendations, farm conservation planning services, farm equipment, and cost-sharing to farm and livestock owners to improve water quality, soil health, and wildlife habitat.

## **Riparian Restoration/Improvement**

Provides technical assistance, cost share, and work crews to help landowners implement best management practices such as removal of invasive species, planting natives, and installing buffers.

## **Wildfire Preparedness**

Provides workshops, wildfire risk assessments, fuels reduction assistance, home hardening, and fire-adapted community planning to residents and homeowners associations to mitigate the likelihood and impact of wildfires on forested properties.

## **Urban Forest Stewardship**

Partners with cities to identify, develop, and fund projects that maintain and improve urban tree canopy on public and private property.

## **Small Lot Forest Stewardship**

Partners with small acreage forested properties to improve forest health and increase canopy cover by providing education, technical assistance, stewardship planning assistance, and cost-share to implement best management practices.

## **Regional Food System**

Provides competitive and strategic initiative grants to grow the local food economy and increase access to local food based on goals and strategies of the King County Local Food Initiative.

## **Agricultural Drainage Assistance**

Assists farmers with maintaining and improving agricultural drainage systems to increase field drainage to improve and restore crop production.

## **Community Agriculture**

Develops urban food production and conservation practices by providing seed grants, tools, compost, culturally relevant seed starts, and technical assistance to community gardens.



## OUTREACH AND EDUCATION

KCD Outreach and Education Programs work to empower King County residents to become better stewards of their natural resources by building awareness of beneficial conservation practices and connecting people with KCD programs and resources. COVID-19 continued to disrupt planned Outreach and Education events in 2021. However, KCD staff were able to retool and refocus efforts to accommodate COVID-19 protocols. Education programs were offered as online workshops and a new virtual learning tool was implemented. Outdoor Farm Tours and volunteer opportunities were offered in the fall to connect King County residents to KCD programs and project sites. And, Orca Recovery Day volunteer event was successfully held with COVID-19 safety protocols.

### 2021 Accomplishments

**15 Events**

**500+ Stewards Educated**

**31 Volunteers Contributed**

**122 Volunteer Hours**

### Orca Recovery Day

In 2021, Conservation Districts spearheaded the Fourth Annual Orca Recovery Day. KCD staff coordinated an amazing group of 24 volunteers that planted 417 native plants along a tributary to Covington Creek. Volunteers planted native trees and shrubs that will grow and help provide the stream with shade, reduce

erosion, and help protect water quality. Both the tributary and Covington Creek are historic salmon supporting streams. Improving water quality will help salmon. And more salmon means more food for our struggling Orca populations.

Long time KCD volunteer, Fong Li, brought out a group of her family and friends to the Orca Recovery Day volunteer planting event in October 2021. Fong Li has coordinated an annual volunteer event with KCD for the last 10+ years, starting after she attended a planting event with her child's school group. We appreciate the dedication of this wonderful group of family and friends in supporting KCD riparian restoration projects.



### Native Plant Sale

The 2021 Bareroot Native Plant Sale provided over 65,000 native trees and shrubs to King County residents to improve habitat. KCD was able to hold the 2021 sale despite COVID-19 by adapting our distribution method to a socially-distanced drive-through model. Customers received their plants safely, and often in record time.



## Education Workshops and Tours

KCD education programs include classes, workshops, tours and other field-based learning opportunities that focus on water quality protection, soil conservation, livestock management, shoreline habitat improvement, and fish and wildlife habitat enhancement. Audiences served by KCD education programs include livestock owners, agriculture operators, forested property residents, streamside and marine shoreline owners, and rural, urban, and suburban residents, as well as youth and children. KCD also funds educational offerings through WSU Extension for Coached Forest Stewardship planning.



## Going Online

KCD's Education team launched our online learning tool in 2021 to help King County residents learn more about stewardship topics related to KCD's programs and services on their own time and at their own pace. Topics include marine shoreline management, freshwater shoreline enhancement, and native plants.

KCD also increased the number of our workshops recorded and put online.



*2021 WA State Envirothon participants.*

## Envirothon

Envirothon is a nationwide environmental literacy competition for high school youth. KCD participates in the Washington State Envirothon program by recruiting high school teams from King County to participate in the Northwest regional, state, and national Envirothon competitions. Teams from across Washington State, including several King County teams, competed to test their knowledge on natural resource topics.

In 2021, KCD education team staff and AmeriCorps members participated in planning and facilitating the Washington State Envirothon competition. KCD is proud to share that Education AmeriCorps Member, Rosie McGoldrick, applied for and secured the NCF Envirothon Diversity Grant to benefit all Envirothon regions across Washington State. The grant included funding to build out inclusive recruitment materials to identify racially diverse schools and create study bins for students related to the natural resource topics covered in the competition.

## Volunteer

KCD's Volunteer Program supports engagement activities as well as implementation of conservation efforts. It increases public awareness of all KCD programs and services and offers volunteers knowledge about local natural resource management, such as restoration of watershed functions, and hands-on experience implementing practices to address those concerns. Program goals focus on recruiting and connecting new volunteers to project-based learning opportunities and building partnerships with agencies and organizations to address mutual service-learning goals. KCD's volunteer program was on pause throughout spring and summer of 2021 due to the COVID-19 pandemic but was able to support the Orca Recovery Day event in October 2021.



## MEMBER JURISDICTION GRANTS

KCD sets aside \$1.2 million each year of collected rates and charges funds for our 35 member jurisdictions. A portion of those funds are available for each jurisdiction based on the number of parcels collected from within that city. Jurisdictions may elect to apply for a grant to implement projects or to contract directly with KCD to deliver project services. Jurisdictions may also authorize a partnering nonprofit to apply for a grant from that city's funds. Jurisdictions may accrue funds from year-to-year in order to support larger projects, and they may also partner with each other to leverage resources to implement conservation projects. Activities eligible for funding through this program include the direct improvement of natural resource conditions, education and outreach, pilot and demonstration projects, and projects that build capacity. Seattle Grants have an explicit focus on funding projects that are led by, or in deep partnership with, communities disproportionately impacted by environmental injustice and systematic racism. The Seattle grant round was not held in 2021. Instead, the funds will be combined with the 2022 grant round. Also in 2022, the program will engage with the KCD Advisory Committee to update the member jurisdiction application form to include equity and evaluation considerations.

### Program Accomplishments for 2021

In 2021, KCD awarded \$638,327 for 14 new projects in 12 jurisdictions. We continued to be a flexible funding partner with grantees, extending completion timelines and approving technology purchases to support new

methods of community engagement necessary due to ongoing COVID-19 challenges.

**\$638,327** Awarded

**14** New Projects

**12** Jurisdictions

### Program Outcomes for 2021

Grant program staff conduct a thorough review of every grant project to determine outcomes accomplished and challenges faced in the implementation of the projects. In 2021, KCD reviewed 11 closed grants (25% of total grants closed in 2020).

KCD staff contacted some grantees with follow-up questions about the short-term impacts of their projects. The program evaluation team found that:

- Due to the COVID pandemic, grantees conducting outreach and education had to convert their activities from in-person to virtual. Grantees were able to deliver their programming in creative new ways, and they appreciated KCD's flexibility with revisions and timeline extensions as well as funding technology purchases that enabled grantees to reach their community audiences.
- Most grantees report anecdotal evidence that project participants had positive learning experiences. However, most grantees did not have systems to track quantifiable data.

## 2021 Grants Awarded

### **Auburn - \$15,113**

White River Valley Museum - 2021 Farm Program and Project Support of Mary Olson Farm

### **Auburn - \$15,000**

Auburn International Farmers Market - Marketing and Demonstrations

### **Beaux Arts Village - \$2,210**

Academy Path and Adjacent Woods Restoration

### **Bellevue - \$30,000**

Bellevue City Tree Giveaway

### **Bellevue - \$35,000**

Overlake Blueberry Farm Spiraea douglasii (Hardhack) Treatment

### **Burien - \$40,266**

Anchor QEA – Seahurst Park Phase II  
Post-Construction Eelgrass Survey 2021

### **Clyde Hill - \$1,774**

2019 Arbor Day Celebration

### **Des Moines - \$14,000**

Des Moines Waterfront Farmers Market - Low Income Senior Healthy Eating Initiative

### **Maple Valley - \$93,641**

Jenkins Creek Fish Passage Culvert Monitoring

### **Mercer Island - \$90,000**

Luther Burbank Park South Shoreline Restoration

### **Newcastle - \$4,534**

Adopt a Drain City Program

### **Normandy Park - \$38,000**

Restoration Analytics and Design - Normandy Park Community Forester Stewardship Program

### **Shoreline - \$58,100**

Green Shoreline Partnership

### **Sammamish - \$30,600**

Triangle Associates - 2021-2022 Stormwater Outreach

### **King County - \$172,300**

King County Agriculture Program - 2021 Keeping Farmers Farming



## 2021 RAINIER BEACH ACTION COALITION FARM STAND FELLOW

“Personally, the farm stand project has impacted me in a multitude of ways. It has deepened my connection with the neighborhood I was raised in, improved my communication and problem-solving skills, and broadened my understanding of how large of an issue food-insecurity really is.

From seeing dedicated community members lined up 2 hours before we open, to having to coordinate up to 8 produce deliveries in one week, I realized how many people benefit from our program and the work required behind the scenes to make it all happen.”





## RIPARIAN LAND STEWARDSHIP

The Riparian Land Stewardship program works to educate and empower residents through workshops, one-on-one education, and technical assistance to better steward streams, lakes, and marine shorelines. KCD's education prioritizes residents across King County whose properties include or abut water bodies that are important to the health of Puget Sound and salmon. Workshops are structured to empower farmers, marine shoreline, streamside and lakeside residents in both urban and rural areas to take actions that create cooler, cleaner streams and thriving shorelines. These individual actions lead to collective impacts that benefit all of us through improved habitats for fish and other wildlife. In 2021, KCD continued to provide freshwater and marine shoreline workshops online due to COVID-19. While KCD was new at administering online courses, we were thrilled

with the turnout, and saw an increase in attendance from 2020.

### Program Accomplishments for 2021

**91** People Provided Technical Assistance

**86** Marine Shoreline Residents Educated

**104** Stream and Lakeside Residents Educated

## ONLINE LEARNING MODULES

As KCD continued to navigate COVID-19 pandemic, we developed online, self-guided learning modules to allow residents to learn at their own pace when it's convenient for them. Each course allows you to start, stop, and pick up where you left off whenever you like. Courses include our popular marine shoreline workshop *Where the Water Begins*, stream and lakeside workshop *Beautify and Care for Your Streamside Property*, and KCD's *Guide to Native Planting* to understand the valuable role native plants play in promoting healthy ecosystems.



# RURAL LAND STEWARDSHIP

KCD's Rural Land Stewardship Program provides natural resource technical assessments, recommendations, and farm conservation services to farmers, livestock owners, and other rural residents. Resource planners look at changes that can be made to improve farm productivity and reduce impacts on natural resources through implementing best management practices (BMPs). Farm best management practices funded in 2021 include buffer fencing, roof runoff structures, stream crossings, and waste storage facilities. These BMPs are developed by the Natural Resource Conservation Service (NRCS), based on scientific field research. Resource planners also offer technical assistance on questions such as what grasses to plant, how to design heavy use areas to manage mud in the winter, and even how to plan and implement waste storage facilities for manure composting. In addition to farm conservation planning, the program offers free soil testing, equipment rentals, dairy nutrient planning, and farm tours.

King County has roughly 42,000 acres of farmland and 3,200 producers. Of those farms, 94% are under 50 acres. Farmers in King County face a variety of economic, resource, and regulatory hurdles. Through education, technical assistance, and cost-share, KCD helps rural land stewards improve water quality, reduce negative environmental impacts, and achieve their land use goals. Collectively, this has a significant, positive impact on soil health and water quality, and on our local food economy.



*KCD Senior Farm Planner Jay Mirro leads a Farm Tour on a horse property outside Enumclaw.*

## Program Accomplishments for 2021

**79** People Educated on Agricultural Topics

**194** People Provided Technical Assistance

**61** Farm Conservation Plans Written

**\$163,812** Cost-share Awarded to Support 24 BMPs

**60** Farm Equipment Loans

## Program Outcomes for 2021

Program outcomes look at the long-term impacts our work has creating behavior changes in our cooperators and leaving a lasting benefit for the environment. In 2021, KCD received 80 surveys from cooperators who have received farm plans from 2015-2020.

- 84% of respondents reported that they implemented at least one Best Management Practice (BMP) prescribed in their farm plan.
- Cooperators cited time and cost of materials/contractors as the most common reasons for not implementing any or additional BMPs.
- 36% of respondents utilized the Landowner Incentive Program cost-share assistance to help implement BMPs.
- 70% of respondents reported improvements to their farm

# RIPARIAN RESTORATION/IMPROVEMENT

Rivers, creeks, lakes, wetlands, and the marine shoreline are critical features of King County's landscape. These aquatic areas and their vegetated riparian corridors provide cool, clean water for fish and other aquatic wildlife and habitat for insects, birds, and other animals. Throughout King County, these areas are impacted by a variety of land uses and increasing development, and the ever-increasing threat of invasive species.

KCD's Riparian Restoration Program offers aquatic area enhancement services to help protect and improve the health of our watersheds by restoring natural shorelines and riparian buffers on privately held land. KCD's services include education, technical and financial assistance, and project design and implementation services. Our riparian habitat enhancement projects are funded through a combination of State and Federal grants and KCD cost-share. These funds provide for labor and materials associated with controlling invasive and noxious weeds and replacing them with beneficial native trees and shrubs. Riparian Restoration best management practice funds awarded in 2021 were allocated towards aquatic area hedgerows, riparian forest buffers, and a bulkhead removal/soft shoreline enhancement project. In addition to project installation, KCD also provides three to five years of maintenance and monitoring for each project installed to ensure project success standards are achieved.

In 2021, the Riparian Restoration Program installed projects in unincorporated areas of King County (including around Covington, Enumclaw, Fall City, Maple Valley, and Snoqualmie) and within urban areas



WCC Crews installing a riparian buffer.

(including the cities of Auburn, Kent, Lake Forest Park, Medina, Redmond, Sammamish, and Normandy Park). KCD's Urban Riparian Program launched in 2015 and maintains a steady backlog of projects due in part to successful community engagement, word-of-mouth, and a high level of interest from streamside residents.

## Program Accomplishments for 2021

**17 Projects Implemented**

**9 Projects Planned For Future**

**1+ Miles of Shoreline Improved**

**6+ Acres of Shoreline Improved**

**9,837 Native Plants Planted**

**\$161,337 LIP Cost-share Awarded to Implement 14 BMPs**

**\$109,735 Additional Cost-share to Implement BMPs**

## Program Outcomes for 2021

Program outcomes look at the long-term impacts our work has creating behavior changes in our cooperators leading to lasting benefits for the environment. A 2021 survey of 16 past project owners showed:

- 63% of respondents said they were unlikely or very unlikely to implement a riparian restoration project on their own.
- 81% of respondents reported conservation improvements to their property.
- For 5th year projects, 89% met Native Cover Benchmark, 83% met Invasive Cover Benchmark, and 89% met Density Benchmark. Projects not meeting benchmarks will continue to receive maintenance and adaptive management until they reach program benchmarks.



## **FUNDING PARTNERSHIP WILL RESTORE CRITICAL HABITAT**

In 2021, KCD received Natural Resources Investment (NRI) funding from the Washington State Conservation Commission for the establishment of a 50-foot wide, 4.5 acre, riparian forest buffer along a half mile of the Snoqualmie River on a farm near Duvall. This project will protect critical fish habitat through restoration efforts by creating shade, reducing erosion through stream bank stabilization, protecting water quality, and creating general habitat and refuge for fish and wildlife.

This project is located next to the King County Tolt Pipeline Protection Project and the connectivity of the two projects will result in almost 1 mile of shoreline buffer enhancement. In addition, this project is also located directly across the river from a KCD implemented Conservation Reserve Enhancement Program (CREP) project which restored 8 acres, and over half a mile of shoreline.

The NRI funding for this project will be matched with cost-share funding from KCD's Landowner Incentive Program, creating a unique state, local and private partnership.





## **PARTNERING FOR WILDFIRE AWARENESS**

As part of Wildfire Resiliency services, KCD coordinates closely with partners such as East Side Fire and Rescue, King County Department of Emergency Management, WA Department of Natural Resources, and city governments throughout the wildland-urban interface. In 2021, KCD had a unique opportunity to assist in the development of King County's Wildfire Strategy. Strategy meetings were kicked off with a well-publicized press event where our Wildfire Resiliency Coordinator was filmed offering a wildfire home assessment. KCD participated in a series of strategy development discussions as part of the forest health and wildfire preparedness working groups. The county-wide groups reviewed the overarching goals for the strategy, developed a working list of potential actions, and identified draft criteria for evaluating and prioritizing those actions. Key partners and timelines for each action item were also determined. The full strategy will be released by King County in July 2022 and KCD looks forward to taking on our part to advise and fund home hardening and forest health management projects.

## **WILDFIRE PREPAREDNESS**

As climate change and population growth pressures mount, Pacific Northwest forests are threatened. KCD is able to support individual jurisdictions and agencies by mobilizing private landowners to protect our forests. Meeting the demand to train and support owners of small forest properties to safeguard our regional forest resources is critical.

Collectively, small properties comprise over 40,000 forested acres in King County. KCD provides wildfire safety evaluations and fire-adapted planning services to small residential forest landowners and neighborhoods or HOA communities. After the risk planning evaluation, cooperators can engage with KCD to develop a Community Wildfire Action Plan to implement wildfire risk reduction projects focused on reducing ground and ladder fuels in home ignition zones and around other infrastructure assets.

### **Program Accomplishments for 2021**

**12 Wildfire Workshops Educating  
363 Residents**

**62 Home Safety Evaluations**

**211 Acres covered by Wildfire  
Safety Evaluations**

**15 Communities Partnered With  
to Reduce Wildfire Risks**

# URBAN FOREST STEWARDSHIP

Urban forests' contribution to health, economic and social well-being is now well-documented. Healthy urban forests also provide resilience and mitigate the impacts of severe weather in the face of climate change. A regional approach to expanding tree canopy across King County's urban landscapes is critical, especially in south King County where a dramatic lack of canopy coincides with the county's highest levels of pollution and illness. KCD's Urban Forest Health Program partners with member jurisdictions to fund and provide technical support to projects in backyards, public easements, parks and open spaces in incorporated King County.

## 2021 New Urban Forestry Projects

### Beaux Arts – Street Tree Inventory

Develop a tree inventory with work-tracking system. Individual street trees will be tagged, mapped, and assessed for health and potential hazards.

### Burien – Volunteer Program Coordinator and Crew Stipends

Expanding Burien's park stewardship program to three additional parks through hiring a consultant to manage the City's volunteer stewardship program and providing stipends to volunteer work crews.

### Kenmore and Kirkland – Yard Tree Giveaways

KCD will purchase roughly 400 trees, develop educational and promotional materials (in English, Spanish, and Chinese) and provide event support.

### Tukwila - Urban Forest Carbon Credit and Impact Certification Pilot Program

Advance canopy coverage targets and Equity Policy goals by utilizing City Forest Credits, a nonprofit carbon registry and impact certification organization that certifies and markets urban forest projects to potential funders.

### Kenmore, Kirkland, North Bend, Tukwila– PlanIt Geo Tree Canopy Assessment

Map current tree canopy and possible planting areas, quantify changes in canopy in Kenmore and Tukwila, and prioritize planting areas based on diversity and equity concerns in Kirkland.

## Program Accomplishments for 2021

**8 Acres Urban Forest Invasive Species Removed**

**1137 Trees Planted**

**5 Projects Continued**

**11 Cities Partnered With**



## TREES FOR RAIL

In 2021, KCD launched Trees for Rail in collaboration with Sound Transit and the City of Shoreline. This unique program is working to re-green portions of the Lynnwood Link Light Rail corridor with native trees and shrubs as it passes through the City of Shoreline. Leveraging Sound Transit Resources and KCD's Urban Forest Stewardship Program, the effort works to establish native vegetation and tree canopy to reduce the impact on corridor-adjacent homeowners. Roughly 275 properties have been engaged with the program thus far and 47 households signed up to receive services. In 2022, the program will continue, and looks to expand to additional affected properties in the area.



## MATSUDA HEIRS CONTINUE CONSERVATION PARTNERSHIP

The Matsuda Family have been stewarding property on Vashon Island since they acquired an apple orchard there in the 1930s and have been partnering with KCD since at least 1957 when Yoneichi Matsuda was recognized as KCD's Conservation Farmer of the Year. Since then, the Matsuda legacy has included a KCD grant to support redevelopment of 12 acres of the original farm to establish a now-flourishing farm-to-school program and a 35-foot native plant buffer around the farm's irrigation pond.

In 2007, reforestation efforts were undertaken on five acres of land stewarded by Ray Gruenewald, a Matsuda heir, through community planting efforts. More than 2000 native trees were planted, including western red cedar, shore pine, madrone, Sitka spruce, western white pine, western hemlock, and Douglas-fir. By 2020, the trees grew dense enough that Ray reached out to KCD to help with thinning and maintenance of the now flourishing forest. By working with KCD forest health technicians, Ray was able to develop and implement a plan, funded by KCD's Landowner Incentive Program, that will keep the forest healthy and resilient for years to come.

## SMALL LOT FOREST STEWARDSHIP

KCD's Small Lot Forest Stewardship program partners with small-acreage private forest landowners to improve forest health and increase canopy cover. Through education, technical assistance, and cost-share assistance, the program empowers landowners to become knowledgeable and successful stewards of their forests. Forest Stewardship best management practice cost-share awarded in 2021 includes forest health management to remove invasive weeds, thin understories, and plant native plants. Over 42,000 forested acres in King County are held by owners of woods smaller than five acres. Collectively, these acres represent a vast resource that, through forest stewardship programming, contributes to the overall health of our community and offers a timely opportunity to proactively engage private landowners in stewardship.

### Program Accomplishments for 2021

**980** Educated Through WSU Extension Partnership

**219** People Provided Technical Assistance

**97** Forestry Assessments Completed

**7** Forest Stewardship Plans

**10.5** Acres of Forest Treated

**1,018** Native Plants Planted

**\$98,275** Cost-share Awarded to Implement 7 BMPs

### Program Outcomes for 2021

Program outcomes look at the long-term impacts our work has creating behavior changes in our cooperators and leaving a lasting benefit for the environment.

- After receiving technical assistance from KCD forestry staff, 88% of survey respondents took an action, like controlling for invasive plants, improving wildlife habitat, thinning trees, and planting native trees.





## REGIONAL FOOD SYSTEM

KCD's Regional Food Systems (RFS) Program works to strengthen our local food economy by bridging the gap between producers and consumers and serving as a catalyst in making local food production both environmentally and economically sustainable.

RFS grants are based on goals and strategies of the King County Local Food Initiative and input from regional food system participants. The program funds projects with demonstrated public benefit that contribute to the economic viability of local farmers, encourage new farmers, expand acreage in food production, improve food access, or increase demand for, and sales of, King County farm products.

Strategic initiative grants provide longer-term, sustained investments in areas of key food system concerns. Currently, these include working farmland access, farm business support and technical assistance, institutional purchasing, and infrastructure support.

In 2021, KCD awarded \$741,352 in competitive grants and strategic initiatives to innovative and diverse projects across King County.

### Increasing Equity

KCD's Regional Food Systems Program launched in 2015. From 2015 to 2020, the program invested \$4.7 million into our local food system, leveraging an additional \$3.7 million in cash and in-kind support through 81 competitive and strategic initiative grants.

In 2015, none of the grant recipients were led by BIPOC communities. KCD made changes to program marketing and selection criteria and in 2020 25% of grant recipients were led by BIPOC communities. By 2021, 50% of grant applicants were led by BIPOC communities. We look forward to continuing to improve the program through our next strategic planning process.

### 2021 Competitive Grants Awarded

#### 21 Acres - \$20,000

Sammamish Valley Sustainable Ag Tool Library

#### African Community Housing & Development - \$20,000

Delridge Farmers Market Year Two

#### Black Farmers Collective - \$20,000

Expanding Food Sovereignty at Yes Farm

#### Black Food Sovereignty Coalition - \$20,000

Back to the Root: PNW BIPOC Food Network Development

#### Black Star Food Collective

#### (Sustainable Seattle Fiscal Sponsor) - \$20,000

New Holly Rockery Market Garden Reactivation

#### Carnation Farms - \$14,300

Energy Efficiency in Aggregating Local Produce

#### Duwamish Valley Sustainability Association (Sustainable Seattle Fiscal Sponsor) - \$20,000

Transformando Nuestra Tierra: Biofuel

#### Farmstand Local Foods - \$19,000

Demystifying Local Food Pricing for Farmers and Chefs in Preparation for New Overtime Rules in Agriculture

#### Feed 7 Generations- \$20,000

Generating Engaged Native Growers (GEN-G)

#### Gathering Roots Wellness - \$20,000

Greenhouse Infrastructure for BIPOC Farmers Co-op

#### International Rescue Committee - \$20,000

BIPOC Growers of South King County Aggregation Project

#### New Day Cooperative Distribution - \$2,000

BIPOC and LGBTQ Farmer CSA Pickup Site

#### SnoValley Tilth - \$19,052

Greenhouse Propagation Infrastructure and Training for New, Beginning, and Small-Scale Farmers



### **The Common Acre - \$20,000**

Community Food Hubs

### **Wakulima USA - \$12,000**

Youth Farmer Project

### **New Start Community Garden (Weed Warriors Fiscal Sponsor) - \$20,000**

School Garden Infrastructure and Classes

### **White Center Food Bank - \$20,000**

Dispersed Food Bank Farm

## **HARVEST AGAINST HUNGER KING COUNTY FARMERS SHARE**

The rapid spread of COVID-19 throughout King County highlighted the importance of supporting physical health among disadvantaged populations to support long-term health equity. Efforts to mitigate the spread of COVID-19 highlighted the interconnectedness of the local food economy, as closed restaurants and farmers markets left many King County farmers without anticipated early-season income. Closed schools and places of employment increased demand for emergency food assistance, with supply lagging behind in the early months of the pandemic. KCD RFS Strategic Initiative funding allowed King County Farmers Share's 31 cohort agencies (food banks, senior centers, hunger prevention organizations, teen services, churches, etc.) to expand distribution of supplies including grocery bags and PPE (e.g. masks and gloves), and increase purchasing from 57 King County farm partners to over \$139,000. Ultimately, the broader food system impacts of supporting direct connections between local farmers and food access efforts are numerous and interdisciplinary, including improved nutrient density from freshly harvested produce, cultural familiarity, reduced food waste and greenhouse gas emissions, and sustained financial viability support for farmers.

## **2021 Strategic Initiatives**

KCD is currently funding three strategic initiatives:

### **Washington Farmland Trust's Working Farmland Partnership - \$150,000**

Partnership with Washington Farmland Trust and the Working Farmland Partnership Facilitating Matches to Bring More Land Into Production and Increase The Number of Farmers in King County

### **Business Impact Northwest's Farm Business Support and Technical Assistance - \$150,000**

Farm Business Support and Technical Assistance Coordination - such as agronomic, business planning, access to capital, marketing, conservation, education coordination, and food safety for King County farmers and food businesses.

### **King County DNRP's Immigrant/Refugee Farmer Outreach Coordinator - \$125,000**

Support the position of Immigrant/Refugee Farmer Outreach Coordinator position within King County Department Natural Resources and Parks Farmland Lease Program to provide greater support for BIPOC farmers, especially from immigrant and refugee communities on King County owned farmland. The position supports farmland management, farmland lease outreach and support, and landowner engagement.

# AGRICULTURAL DRAINAGE ASSISTANCE

Over the past few decades, much of the county's most productive farmland has become impacted by poor field drainage. This threat has been compounded by climate change causing an increase of flooding in the winter due to changes in rainfall (from more severe and frequent rainstorms) and rapid urbanization, which promotes increased stormwater runoff.

KCD provides comprehensive services to assist farmers with maintaining and improving agricultural drainage systems. Our aim is to enable more farmers to participate in the King County Agricultural Drainage Assistance Program (ADAP) through a combination of technical assistance and matching grants.

Improved field drainage will increase productivity by extending the growing season, enabling the planting of higher value crops, and expanding grazing for livestock. Improved drainage will also provide an opportunity for increased agricultural employment, enhance local food production, and contribute to the continued growth, vitality, and resilience of local agriculture.

## Program Outcomes for 2021

Program outcomes look at the long-term impacts our work has creating behavior changes in our cooperators and leaving a lasting benefit for our community. KCD completed 3 drainage projects in 2020. A 2021 review of 2 of those completed projects found

- Both cooperators noticed a large reduction in flooding to their fields during the winter season.
- Cooperators report that neighboring properties who also received ditch maintenance support noted further improvement of drainage on their property.
- Clogged ditches on neighboring properties caused a reduction in benefits for cooperators

## Program Accomplishments for 2021

**15** Projects Completed

**20** Farms Supported

**3.68** Miles of Ditch Cleared

**100** Acres of Farmland Improved

**197** Acres of Farmland Restored



## DRAIN TILE REPLACEMENT

In 2021, KCD collaborated with the Snoqualmie Valley Watershed Improvement District and Ducks Unlimited to install drain tiles on two farms. Additionally, a complete survey and engineer design was created for maintenance of drain tiles for one Enumclaw dairy. In total, 12,000 feet of drain tiles were replaced. As part of our goal to improve water quality and storage, each tile with an outlet to a watercourse was fitted with a water control structure device called an 'agri-drain.' A total of six agri-drain structures were attached to replacement tiles, which will allow cooperators to convey surface waters off their fields during seasonal flooding and store water on their fields for irrigation during the dry season.





## GREEN PATHWAYS FELLOWSHIP (END OF PILOT PROGRAM)

KCD was a host organization for the Green Pathways Program from 2019-2021. KCD's Community Agriculture Program Coordinator position was held by the Green Pathways Fellow, Cly Samson. The Green Pathways Fellowship program was formed through a partnership with RVC and Got Green to "create a pathway for future leaders of color in the green sector while providing a living wage, entry-level positions with benefits in the environmental justice movement."

Through this program, KCD also worked with a consultant to develop an internal KCD Racial Equity Change Team. The consultant to worked with KCD staff to build out and train the team, start the process of learning about ways to drive thoughtful and dedicated improvements in KCD's work, while providing an institutional mechanism for expanding KCD's equity focus.

## COMMUNITY AGRICULTURE

An equitable and resilient local food economy includes urban food production. Urban farmers and gardeners have unique needs for land stewardship guidance to ensure a viable, diverse local food system that cares for our soils and waters. Existing urban agricultural organizations frequently lack access to land, funds, and technical support to meet the demand for sustainable urban small-lot food production for low-income and immigrant populations, who benefit most from expanded urban agricultural opportunities. A healthy local food system requires developing opportunities to grow fresh food in dense urban neighborhoods, especially in communities that are transit-dependent, low-income, or comprised of primarily immigrant populations.

KCD's Community Agriculture program provides community gardens with resources to get started, or expand, through technical assistance, education, materials, and small grants. In 2021, the program provided materials assistance to help three new community garden projects get started: Got Green, FAACT, and Brown Egg Garden.

### Program Accomplishments for 2021

**1,819** Soil Nutrient Tests for Farmers and Gardeners

**5** Existing Community Gardens Provided Technical Assistance

**3** New Community Gardens Engaged

**150+** Culturally Relevant Seed Starts Given to Immigrant Farmers

**160** Pounds of Cover Crop Seed Provided to **11** Community Gardens

**335** Cubic Yards of GroCo™ Compost Distributed to **43** Gardens



## **LANDOWNER INCENTIVE PROGRAM**

KCD's Landowner Incentive Program (LIP) promotes stewardship of natural resources on private property by providing cost-share funding to help landowners overcome financial barriers and implement natural resource best management practices (BMPs).

The Landowner Incentive Program's goal is to promote the implementation of natural resource management practices detailed in KCD prepared technical assistance and management plans such as Farm Conservation Plans and Forest Health Management Plans. The programs that offer cost-share for project implementation are the Rural Land Stewardship, Riparian Restoration, and Small Lot Forest Stewardship Programs. KCD reimburses between 50%-90% of approved projects depending on the natural resource BMP.

### **Program Highlights for 2021**

In 2021, the Landowner Incentive Program awarded 45 new contracts totaling \$423,539 to implement BMPs on private property including riparian buffer planting, bulkhead removal, rural forest health stewardship, and farm heavy use protection area installation.

## **OPERATIONS**

KCD's Operations Program supports program functions across KCD.

### **General Overhead**

KCD's Annual Budget includes expenses for general overhead. They provide the operational infrastructure and support for KCD staff to implement on-the-ground work. The largest expenses in this category are rent, utilities, office equipment, information technology, and vehicles.

### **Finance**

KCD's Finance team consists of a cross-functional working group that provides all accounting related functions for the organization.

### **Human Resources**

Human Resources recommends strategies for employee recruitment, development, growth and retention. KCD currently contracts Human Resources services.

### **Legal and Related**

KCD's Executive Director oversees the day-to-day contracting and regulatory interpretation as well as respond to and monitor all legal actions that impact the organization. KCD maintains outside legal counsel to handle issues that arise.

# 2021 BUDGET + SPENDING

KCD revenue and spending for 2021 are shown below. Spending is separated into KCD Priority Areas information found on page 22 as a table broken out into KCD Priority Areas (Clean Water, Forest Stewardship, and Agriculture & Local Foods) and select overhead and special program areas. KCD is undertaking systems improvement around budgeting and financial reporting. We expect this work to change and improve how we share our financials in future years to give a more thorough picture of how we fund the conservation work that we do.

## King Conservation District Revenue and Spending for 2021

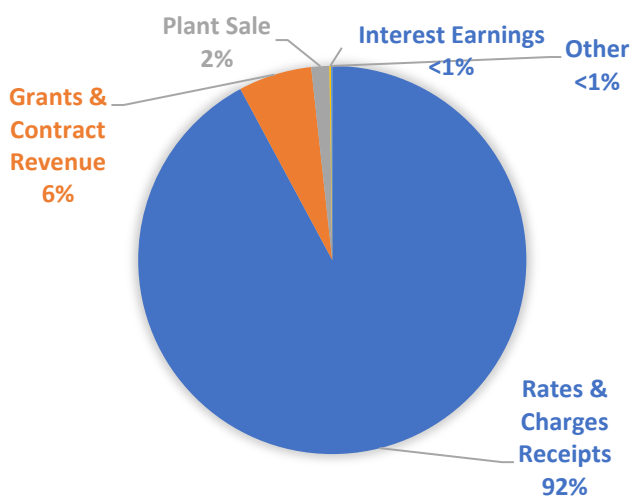
	2021 Actual	2021 Budget	Budget to Actual
<b>Revenue by Source</b>			
Rates & Charges Receipts	\$ 7,944,916	\$ 7,774,578	\$(170,338)
Grants & Contract Revenue	526,818	437,886	(88,932)
Plant Sale	129,359	120,000	(9,359)
Interest Earnings	11,405	212,250	200,845
Other	9,058	750	(8,308)
<b>Total Revenue</b>	<b>\$ 8,621,554</b>	<b>\$ 8,545,464</b>	<b>\$ (76,089)</b>

\*Portions of both the 2021 and 2022 Board Elections expenditures were made in 2021.

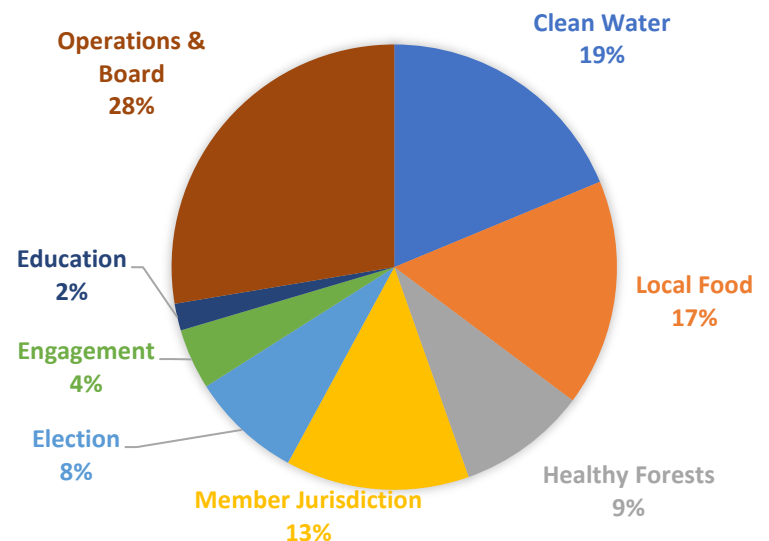
<b>Spending by Program Area</b>			
Clean Water	\$ 1,533,867	\$ 1,956,406	\$ 422,540
Local Food	1,348,366	1,633,180	284,814
Healthy Forests	765,665	1,075,676	310,012
Member Jurisdiction	1,092,186	1,276,983	184,797
Election*	661,557	239,061	(422,496)
Engagement	360,705	500,289	139,584
Education	159,973	145,012	(14,962)
Operations & Board**	2,261,333	1,718,857	(542,476)
<b>Total Spending</b>	<b>\$ 8,183,651</b>	<b>\$ 8,545,464</b>	<b>\$ 361,812</b>

\*\* KCD underwent a major reorganization in 2021 and had an interim executive director for most of the year. During this transitional period, KCD had the need to hire multiple contracted services. These costs were categorized as operations costs.

## 2021 Revenue by Source (Actual)



## 2021 Spending by Program Area (Actual)





# BOARD OF SUPERVISORS

King Conservation District is led by an all-volunteer, five-member board of supervisors. Three of the members are elected while the other two are appointed by the Washington State Conservation Commission, an agency created to assist and guide conservation district activities in Washington State. By statute, KCD elections occur annually during the first quarter of each year. Elections are conducted pursuant to guidelines established by RCW 89.08 with oversight from the Washington State Conservation Commission. Board members contribute local perspectives on important natural resource management and conservation issues, seek feedback about conservation programs from residents, set policy, and direct KCD's work plan and budget.

## KCD Board Elections

In 2020, KCD worked to increase participation in our annual board election by partnering with King County Elections and Democracy Live to offer residents online ballot access for our election. In 2021, KCD continued to work towards greater election participation by mailing out over 800,000 postcards to registered voting households to raise awareness of the election and KCD programs and services.

## 2021-2022 KCD Board

Kirstin Haugen, Chair

Chris Porter, Vice-Chair

Bill Knutsen, Supervisor

Burr Mosby, Supervisor

Brittney Bush Bollay, Supervisor

## ADVISORY COMMITTEE

KCD's Advisory Committee is composed of elected officials and senior staff from cities, the County, and organizations across King County, as well as their alternates. King County, the Sound Cities Association and KCD each have responsibility to fill certain seats with appropriate and effective representatives. The Advisory Committee extends KCD's reach into its broad community of stakeholders by bringing diverse and expanded perspectives back to KCD's Board of Supervisors. The Advisory Committee deliberates on policy issues and forwards its recommendations to the Board.

### Members

Kirstin Haugen, KCD Chair

Dow Constantine, King County Executive

Jake Tracy, King County Council Staff

Tahmina Martelly, World Relieve Seattle

Sharon Lerman, Seattle Office of Sustainability and Environment

John Stokes, City of Bellevue Councilmember

Brenda Fincher, City of Kent Councilmember

Mark Phillips, City of Lake Forest Park Councilmember

Amy McHenry, City of Duvall Councilmember

Jeff Boyce, King County Rural Forest Commission

Paul Pink, King County Agriculture Commission

Howard Langeveld, Rural Resident

Rachel Perlot, Urban Resident

### Alternates

Chris Porter, KCD Vice-Chair

Mike Lufkin, King County Executive

Victoria Hunt, City of Issaquah Councilmember

Vanessa Kritzer City of Redmond Councilmember

Kelli Curtis, City of Kirkland Councilmember

Mari Knutsen, King County Rural Forest Commission

Lily Gottlieb-McHale, King County Agriculture Commission

Sarah Reyneveld, Urban Resident

# ILA BENCHMARKS

KCD is meeting or exceeding most benchmarks set out in the 2020-2024 Interlocal Agreement with King County. As we pull out of COVID-19, we anticipate making up lost ground on programs that fell behind their benchmarks over the last several years.

However, several benchmarks that were set may be unrealistic. Agricultural Drainage Assistance set an annual target of 300 acres of farmland restored/improved. While 297 acres restored/improved was achieved in 2021, this year reflects a level of program work that is not likely to be duplicated in following years. The benchmark for Riparian Land Stewardship of 19 Engaged Landowners Take Action seeks to track landowners that take a conservation action either through KCD or on their own. KCD has had difficulty getting survey responses to track actions taken outside of KCD programming.

Priority	Program	Annual Benchmarks	2020 Actual	2021 Actual
Local Food	Regional Food	\$900,000 Awarded 20% Existing Awards Evaluated	\$858,406 20%	\$741,352 100%
	Agricultural Drainage	2.5 Miles Drainage Ditches Cleared 300 Acres Restored/Improved 25% of Projects Evaluated	1.88 95 25%	3.68 297 66%
	Community Agriculture	3 New Community Gardens Assisted 5-7 Existing Gardens Provided Support	3 7	3 5
Clean Water	Riparian Land Stewardship	192 Landowners Engaged 19 Engaged Landowners Take Action	166 6	281 5
	Rural Land Stewardship	144 Landowners Engaged 38 New Farm Plans 38 Farm Plans Reviewed & Evaluated \$243,750 LIP Cost Share Awarded	247 44 23 \$117,432	273 63 80 \$163,812
	Riparian Restoration/Improvement	18 Projects 10 Acres Impacted or 1.5 Miles Impacted 20 Projects Evaluated \$112,500 LIP Cost Share Awarded	22 12.15 2.02 39 \$104,376	16 6.2 1.07 31 \$161,337
Healthy Forests	Wildfire Preparedness	3-4 Communities Receive Assistance	7	15
	Urban Forest Stewardship	3 Cities Receive Funding Support \$150,000 Awarded	0 0	7 \$285,833
	Small Lot Forest Stewardship	100 Landowners Engaged 80-100 Landowners Receive Assistance 10 Existing Project Plans Evaluated	966 116 10	1199 219 25
	Member Jurisdiction Grants	35 Jurisdictions Engaged 25% Develop Grant Proposals 25% Existing/Historic Projects Evaluated	35 57% 25%	13 60% 25%
	Board Elections	Paper Ballots Received at Drop Boxes Electronic Balloting System Interactive Online Voter Guide Promotion on King County Elections Website	Yes Yes Yes Yes	Yes Yes Yes Yes

## Get Involved

**IT STARTS WITH YOU,  
KCD CAN HELP**

[kingcd.org](http://kingcd.org)

P 425-282-1900

[district@kingcd.org](mailto:district@kingcd.org)

800 SW 39th Street, Suite 150  
Renton, WA 98057



**CONSERVATION DISTRICTS**  
OF WASHINGTON STATE  
*your window to healthy lands*



**Local Food, Healthy Forests, Clean Water, Better Ground**

**King Conservation District Board of Supervisors Meeting**  
**Agenda Action Briefing/Report**  
**Meeting Date: 6-21-22**

**SUBJECT: AI 22-044**

- Presentation of bids received and recommendation for award of a limited public works contract for the WSCC Natural Resources Investment Grant Project – District Implemented Brush Management.

**FISCAL IMPACT**

- WSCC NRI Grant funding awarded to KCD will cover the cost of this project.
- Current estimated project cost is \$17,500.00.
- Lowest responsible bid submitted to KCD will be determined and presented to Board of Supervisors on 6/21/22 along with all other bids received.

**POLICY CONSIDERATION**

- See attached Board of Supervisors Resolution No. 13-001.
- Per Resolution No. 13-001, 1.9, The District Board of Supervisors shall award the contract for a public works project to the lowest responsible bidder provided that, whenever there is a reason to believe that the lowest acceptable bid is not the best price obtainable, all bids may be rejected and the Board of Supervisors may call for new bids.
- Per Resolution No. 13-001, 1.10, The District's Executive Director or designee shall present all quotations/bids and recommendation for award of the contract to the lowest responsible bidder to the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- Small Forest Landowner Cooperators: Jack Greathouse, Nick Kazan, Gary King
- Washington State Conservation Commission – Project Funder

**BACKGROUND**

- The project associated with this Agenda Item is a Washington State Conservation Commission Natural Resources Investment (NRI) Grant Project that was previously reviewed and approved by the Board of Supervisors on 8/9/2021 as part of AI 21-058: WSCC Biennium Grant Addenda and Work Plan.
- This NRI grant funded project seeks to complete brush management on three long-time KCD small forest landowner cooperators' properties through the award of a single limited public works contract to the lowest responsible bidder.
- A request for bids was sent to all contractors currently on KCD's Riparian and Forestry Small Works Roster.

**EFFECTIVE DATE:**

- If approved, the limited public works contract will be awarded once representatives from both parties (KCD and Contractor) have signed the contract document.

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- Project work will begin after award of contract, likely in July 2022, and project work will conclude by end of October 2022.

**OPTIONS**

- Approve the award of a limited public works contract to recommended lowest responsible bidder.
- Discuss and delay action until next meeting on June 27<sup>th</sup>, 2022.
- Reject all submitted bids and call for new bids because it's believed that the lowest acceptable bid presented is not the best price obtainable.

**RECOMMENDATION**

- Approve the award of a limited public works contract to the recommended lowest responsible bidder.

**MOTION**

- Motion to approve the *award of a limited public works contract to the recommended lowest responsible bidder “**Contractor Name**” in the amount of “**Total Bid Amount**” dollars for the execution of the WSCC Natural Resources Investment Grant Project – District Implemented Brush Management.*

## Exhibit A – Scope and Summary of Work

I. Project Location

This project is located on private land at the following locations:

Site 1: Greathouse Property – 48026 SE Mt Si Rd, North Bend, WA 98045

Site 2: Kazan Property – Parcels East of 5912 SW Point Robinson Rd, Vashon, WA 98070, Parcel # 1522039032 & 1522039038

Site 3: King Property – 19985 SE 416TH ST, Enumclaw, WA 98022

II. Scope of Services to be provided by the Contractor. The Contractor shall furnish services including, but not limited to the following:A. Site 1: Greathouse Property – Within flagged Project Zones A-F, approximately 2 acres of forest:

1. Task 1: In June or July 2022 complete brush cutting, mowing, and/or hand tool cutting down of invasive blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings. Treat blackberry canes cut between ground and 6” above ground where possible immediately with a 100% solution of Triclopyr herbicide in Zones A-D.
2. Task 2: In June or July 2022 complete brush cutting, mowing, and/or hand tool cutting down of invasive blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings. Then manually grub, dig, or pull-out blackberry root balls of cut blackberry canes in Zones E and F.
3. Task 3: In September or October 2022 cut any regrown or remaining blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of Triclopyr herbicide in Zones A-D. In Zones E and F cut any regrown or remaining blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of aquatic approved Triclopyr herbicide.
4. Task 4: In September or October 2022 cut any discovered holly or laurel stems in Zones A-D too large to pull between ground and 6” above ground and immediately paint with a 100% solution of Triclopyr herbicide. In Zones E and F cut any discovered holly or laurel stems too large to pull between ground and 6” above ground and immediately paint with a 100% solution of aquatic approved Triclopyr herbicide.



- B. Site 2: Kazan Property – Within flagged Project Zones A-C, approximately 1 acre of forest:
1. Task 1: In June or July 2022 complete brush cutting, mowing, and/or hand tool cutting down of invasive blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings, in Zones A-C.
  2. Task 2: In September or October 2022 cut any regrown or remaining blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of Triclopyr choline herbicide (e.g. Vastlan Herbicide) in Zones A-C.
- C. Site 3: King Property – Flagged Project Zones A-D, approximately 3.5 acres of forest.
1. Task 1: In July 2022 or after flowering and start of fruit set on invasive blackberry complete herbicide foliar spot spraying of invasive blackberry, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings in Zones A-D. Where invasive blackberry is intermixed with native vegetation cut blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of Triclopyr herbicide, in Zones A-D.
  2. Task 2: In September or October 2022 cut any regrown or remaining blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of Triclopyr herbicide in Zones A-D.
  3. Task 3: In September or October 2022 cut any discovered holly or hawthorn stems too large to pull between ground and 6” above ground and immediately paint cut stems with a 100% solution of Triclopyr herbicide or on larger diameter stems inject with herbicide shells in Zones A-D.
- D. Contractor shall provide KCD project manager with a 48-hour advanced notice of their planned arrival to project sites to perform project work.
- E. Contractor shall inform KCD project manager within 24 hours of the completion of a project task.
- F. Contractor shall provide copies of WSDA herbicide application records to KCD project manager for all herbicide applications associated with project tasks.

G. Contractor shall follow provisions of the Unanticipated Discovery Plan included as part of Exhibit B.

III. Scope of Services to be provided by the King Conservation District. The District shall furnish services and materials as follows:

- A. Coordinate with landowners as needed to provide contractor with access to project sites.
- B. Communicate with landowners about estimated work timeline, project progress, and to address their project related questions.
- C. Monitor project sites post completion of project work.
- D. Provide services as described in Exhibit B if cultural resources are discovered during project implementation of project work.

IV. Billing / Rate Information. The Contractor shall be reimbursed as follows:

- A. The District shall compensate the Contractor for services performed as detailed below and in the attached Exhibit C; Bid Sheet or as otherwise mutually agreed to in writing by both parties. The Contractor will bill the District, not to exceed the costs listed below.

*For Scope of Services listed under Item II.*

Total Billing/Rate not to exceed:  
\$XXXXXX

- B. The Contractor agrees to submit approved billing invoices to the District.

## Exhibit B – Project Technical Specifications

- Project Site Technical Specifications
  - Site 1 – Greathouse Property
  - Site 2 – Kazan Property
  - Site 3 – King Property
- Unanticipated Discovery Plan – Cultural Resources

# Project Site Technical Specifications

## The Project Purpose(s):

- ☐ Create the desired plant community consistent with the ecological site description.
- ☐ Restore or release desired vegetative cover to protect soils, control erosion, reduce sediment, improve water quality, or enhance hydrology.
- ☐ Maintain, modify, or enhance fish and wildlife habitat.
- ☐ Improve forage accessibility, quality, and quantity for livestock and wildlife.
- ☐ Manage fuel loads to achieve desired conditions.
- ☒ Pervasive plant species are controlled to a desired level of treatment that will ultimately contribute to creation or maintenance of an ecological site description “steady state” addressing the need for forage, wildlife habitat, and/or water quality.

## Resource Concerns:

Excessive pest damage to native trees and shrubs in forest stands from pervasive invasive blackberry and other noxious woody weeds.

## General Specifications for All Sites

Brush management activities shall comply with the following items based on purpose(s), and applicable techniques for controlling undesirable woody plants.

1. All activities associated with this practice shall comply with state, local and tribal laws and regulations prior to commencing an activity.
2. The equipment and tools used in brush management, and the timing of application must be consistent with soil and site conditions for avoiding excessive compaction or damage to the soil surface layer.
3. For safety purposes ground-based heavy equipment are generally not applied on slopes exceeding 30 percent.
4. Operator may use mechanical, chemical or manual methods either alone or in combination to achieve the desired results.
5. All herbicides will be applied according to the manufacturer’s label.

## Operation Specifications for All Sites

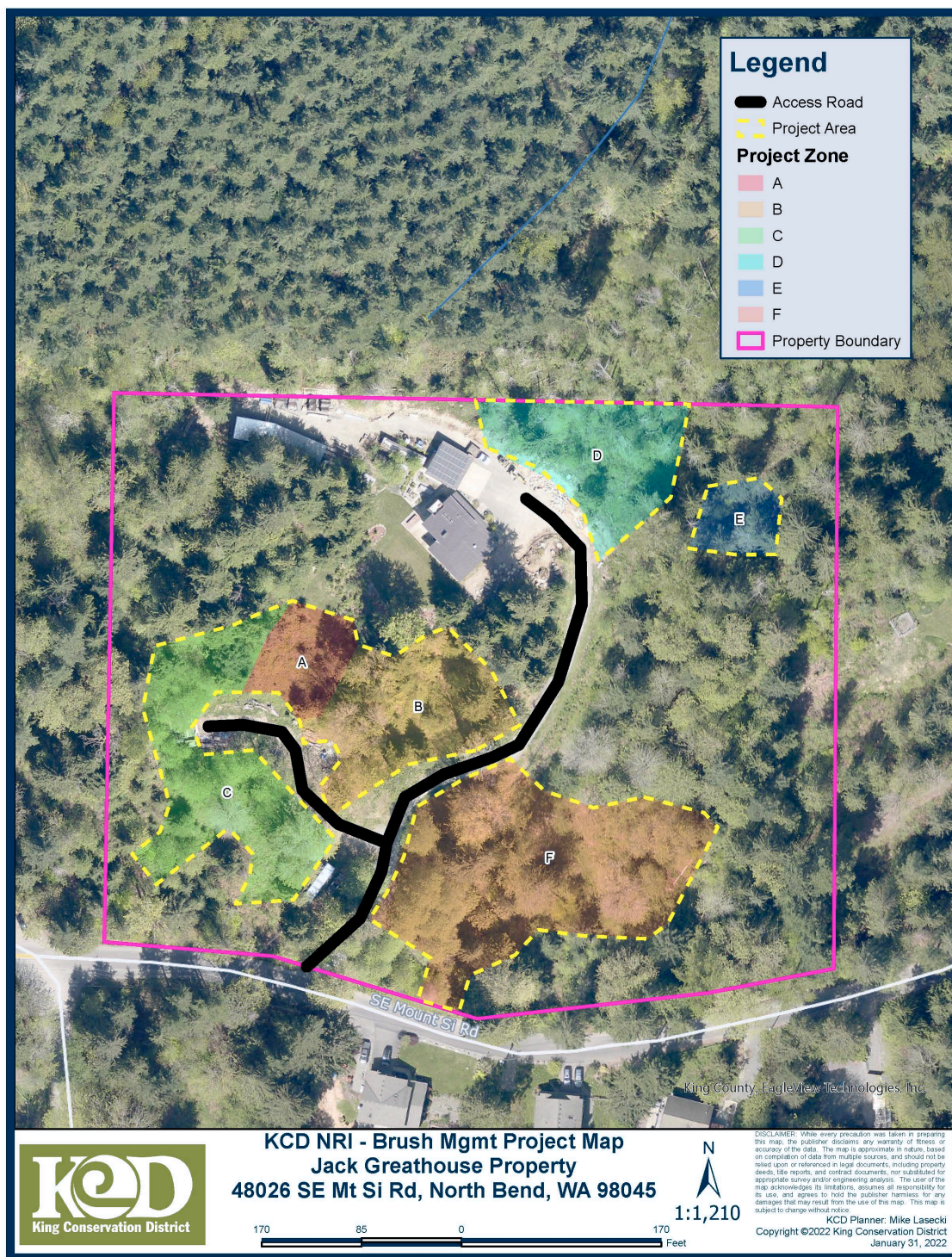
Brush Management practices shall be applied using approved materials and procedures. Operations will comply with all local, State, and Federal laws and ordinances.

- Follow label requirements for mixing/loading setbacks from wells, intermittent streams and rivers, natural or impounded ponds and lakes, and reservoirs.
- Post signs, according to label directions and/or Federal, State, Tribal, and local laws, around fields that have been treated. Follow restricted entry intervals.
- Dispose of herbicide and herbicide containers in accordance with label directions and adhere to Federal, State, Tribal, and local regulations.
- Read and follow label directions and maintain appropriate Material Safety Data Sheets (MSDS). MSDS and herbicide labels may be accessed on the Internet at: <http://www.greenbook.net/>.
- Calibrate application equipment according to recommendations before each seasonal use and with each major chemical and site change.
- Replace worn nozzle tips, cracked hoses, and faulty gauges on spray equipment.
- Maintain herbicide application records in accordance with WSDA requirements.



## Site 1 – Greathouse Property Specifications

Project Address: Parcel# 0723099023, 48026 SE Mt Si Rd, North Bend, WA 98045



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## Description of Work

Project site work will consist of the control of invasive blackberry brush, English holly and laurel in six treatment zones (A, B, C, D, E, F). Method of treatment will be a combination of mechanical, manual and chemical techniques. Perimeters of treatment zones have been marked with colored flagging by KCD project manager and areas outside marked zone perimeters will be left untreated by this project.

Initial treatment in zones A, B, C and D will be a mechanical cutting, mowing, or brush cutting of invasive blackberry in treatment zones by hired contractor and where feasible cut canes will be treated with herbicide.

Initial treatment in zones E and F will be a combination of cutting back blackberry canes and then manually grubbing, digging, or pulling up invasive blackberry root balls in these treatment zones.

A final follow up treatment in all zones will consist of a combined mechanical/chemical treatment (cut and paint) of any regrown or remaining blackberry canes and any discovered English holly or laurel stems growing in treatment zones.

**Acres to be Treated:** 2

## Treatment Specifications

Mechanical ☒

- Type of equipment and any modifications necessary to enable the equipment to adequately complete the job.  
***Equipment may include cutting hand tools, brush saws, chainsaws, walk behind brush mower, masticator or similar skid-steer attached equipment that contractor has available and chooses to utilize.***

Chemical ☒

- Acceptable chemical treatment references for containment and management of target species.  
<https://your.kingcounty.gov/dnrp/library/archive-documents/wlr/LANDS/Weeds/pdf/blackberry-control.pdf>  
<https://your.kingcounty.gov/dnrp/library/water-and-land/weeds/BMPs/English-holly-control.pdf>  
<https://kingcounty.gov/services/environment/animals-and-plants/noxious-weeds/weed-identification/common-hawthorn.aspx>  
<https://pnwhandbooks.org/weed>
- Any special mitigation, timing considerations or other factors (such as soil texture and organic matter content) that must be considered to ensure the safest, most effective application of the herbicide.  
***This project will require the application of herbicides using a cut and paint or cut stump application method. Treatment Zones E and F are in close proximity to a stream and any herbicides used for treatments in these zones should follow all applicable herbicide label instructions for applying herbicide in wetland and riparian habitats.***



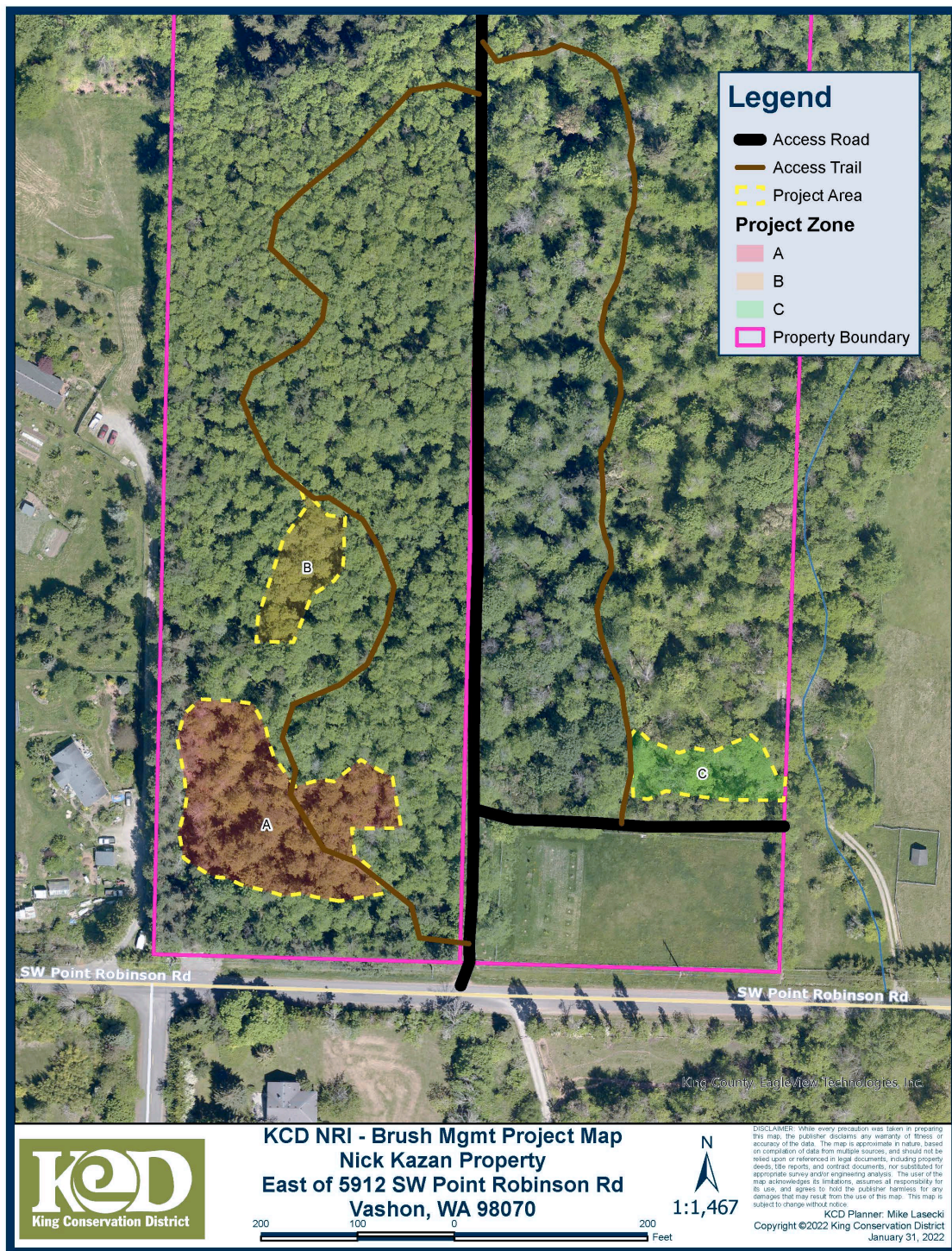
Treatment Zone, Zone Size, Target Species	Treatment Procedures (e.g. mowing, herbicide application, etc.)	Planned Treatment Dates and/or brush growth stage
Zone A, 0.1 acre – Invasive Blackberry, English Holly	<p><u>Blackberry:</u> -In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</p> <p>-Contractor will treat blackberry canes cut between ground and 6" above ground where possible immediately with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p><u>English Holly:</u> -Late summer or early fall contractor will cut any discovered stems between ground and 6" above ground and immediately paint with a 100% solution of Triclopyr herbicide.</p>	<p>Spring or Early Summer</p> <p>September or October</p> <p>September or October</p>
Zone B, 0.3 acre – Invasive Blackberry, English Holly	<p><u>Blackberry:</u> - In spring or early summer will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</p> <p>-Contractor will treat blackberry canes cut between ground and 6" above ground where possible immediately with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p><u>English Holly:</u> -Late summer or early fall contractor will cut any discovered stems between ground and 6" above ground and immediately paint with a 100% solution of Triclopyr herbicide.</p>	<p>Spring or Early Summer</p> <p>September or October</p> <p>September or October</p>
Zone C, 0.4 acre – Invasive Blackberry, English Holly, Laurel	<p><u>Blackberry:</u> - In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</p>	<p>Spring or Early Summer</p>

	<p>-Contractor will treat blackberry canes cut between ground and 6" above ground where possible immediately with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p><u>English Holly &amp; Laurel:</u></p> <p>-Late summer or early fall contractor will cut any discovered stems between ground and 6" above ground and immediately paint with a 100% solution of Triclopyr herbicide.</p>	<p>September or October</p> <p>September or October</p>
Zone D, 0.3 acre – Invasive Blackberry, English Holly	<p><u>Blackberry:</u></p> <p>- In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</p> <p>-Contractor will then manually grub, dig, or pull-out blackberry root balls of cut blackberry canes.</p> <p>-Late summer or early fall contractor will cut any regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p><u>English Holly:</u></p> <p>-Late summer or early fall contractor will cut any discovered stems between ground and 6" above ground and immediately paint with a 100% solution of Triclopyr herbicide.</p>	<p>Spring or Early Summer</p> <p>September or October</p> <p>September or October</p>
Zone E, 0.1 acre – Invasive Blackberry, English Holly	<p><u>Blackberry:</u></p> <p>- In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</p> <p>-Contractor will then manually grub, dig, or pull-out blackberry root balls of cut blackberry canes.</p> <p>-Late summer or early fall contractor will cut any regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of aquatic Triclopyr herbicide.</p> <p><u>English Holly:</u></p> <p>-Late summer or early fall contractor will cut any discovered stems between ground and 6" above ground and immediately paint with a 100% solution of aquatic Triclopyr herbicide.</p>	<p>Spring or Early Summer</p> <p>September or October</p> <p>September or October</p>

Zone F, 0.8 acre – Invasive Blackberry, English Holly	<p><u>Blackberry:</u></p> <ul style="list-style-type: none"> <li>- In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native tree seedlings/saplings.</li> <li>-Contractor will then manually grub, dig, or pull-out blackberry root balls of cut blackberry canes.</li> <li>-Late summer or early fall contractor will cut any regrown or remaining blackberry canes between ground and 6” above ground and immediately paint canes with a 100% solution of aquatic Triclopyr herbicide.</li> </ul> <p><u>English Holly:</u></p> <ul style="list-style-type: none"> <li>-Late summer or early fall contractor will cut any discovered stems between ground and 6” above ground and immediately paint with a 100% solution of aquatic Triclopyr herbicide.</li> </ul>	<p>Spring or Early Summer</p>       <p>September or October</p>       <p>September or October</p>

## Site 2 – Kazan Property Specifications

**Project Address:** Parcel# 1522039032 & 1522039038, East of 5912 SW Point Robinson Rd, Vashon, WA 98070



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## Description of Work

Project will consist of the control of invasive blackberry, English holly, and English hawthorn in three treatment zones (A, B, C). Method of treatment will be a combination of mechanical, manual and chemical treatments. Perimeters of treatment zones are marked with colored flagging and areas outside marked zone perimeters will be left untreated by this project.

Initial treatment in each zone will be a mechanical cutting, mowing, or brush cutting of invasive blackberry in treatment zones by hired contractor.

A final treatment will consist of a combined mechanical/chemical treatment (cut and paint) of any regrown blackberry canes in treatment zones by hired contractor.

**Acres to be Treated:** 1.0

## Treatments

Mechanical ☒

- Type of equipment and any modifications necessary to enable the equipment to adequately complete the job.  
***Equipment may include cutting hand tools, brush saws, chainsaws, walk behind brush mower, masticator or similar skid-steer attached equipment that contractor has available and chooses to utilize.***

Chemical ☒

- Acceptable chemical treatment references for containment and management of target species.  
<https://your.kingcounty.gov/dnrp/library/archive-documents/wlr/LANDS/Weeds/pdf/blackberry-control.pdf>  
<https://your.kingcounty.gov/dnrp/library/water-and-land/weeds/BMPs/English-holly-control.pdf>  
<https://kingcounty.gov/services/environment/animals-and-plants/noxious-weeds/weed-identification/common-hawthorn.aspx>  
<https://pnwhandbooks.org/weed>
- Any special mitigation, timing considerations or other factors (such as soil texture and organic matter content) that must be considered to ensure the safest, most effective application of the herbicide.  
***This project will require the application of herbicides using a cut and paint or cut stump application method. Follow applicable herbicide label instructions for using this method of pesticide application.***

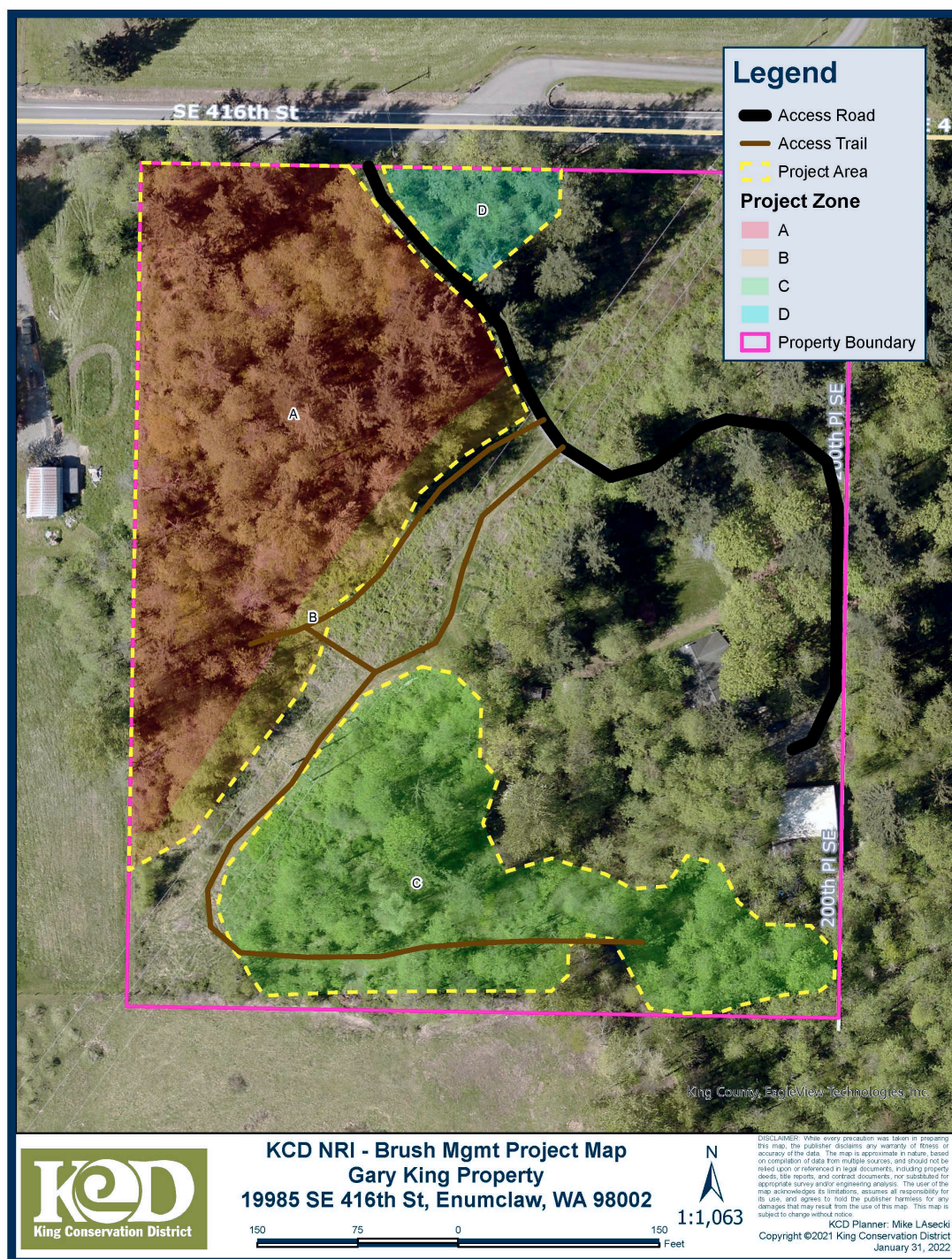
Treatment Zone, Zone Size, Target Species	Treatment Procedures (e.g. mowing, herbicide application, etc.)	Planned Treatment Dates and/or brush growth stage
Zone A, 0.7 acre – Invasive Blackberry, English Holly, English Hawthorn	<u>Blackberry:</u> - In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native conifer tree seedlings/saplings.	Spring or Early Summer  April – August

	<p>-Spring and summer landowner will complete grubbing or digging out of blackberry root balls.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr choline herbicide.</p> <p><u>English Holly and English Hawthorn:</u>  -Late summer or early fall landowner will lance inject larger holly and hawthorn stems with imazapyr herbicide shells.</p>	<p>September or October</p> <p>September or October</p>
Zone B, 0.1 acre – Invasive Blackberry, English Holly, English Hawthorn	<p><u>Blackberry:</u>  - In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native conifer tree seedlings/saplings.</p> <p>-Spring and summer landowner will complete grubbing or digging out of blackberry root balls.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr choline herbicide.</p> <p><u>English Holly and English Hawthorn:</u>  -Late summer or early fall landowner will lance inject larger holly and hawthorn stems with imazapyr herbicide shells.</p>	<p>Spring or Early Summer</p> <p>April – August</p> <p>September or October</p> <p>September or October</p>
Zone C, 0.2 acre – Invasive Blackberry	<p><u>Blackberry:</u>  - In spring or early summer contractor will complete brush cutting, mowing, and/or hand tool cutting down of blackberry canes, avoiding damage to native trees and shrubs as much as possible especially native conifer tree seedlings/saplings.</p> <p>-Spring and summer landowner will complete grubbing or digging out of blackberry root balls.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr choline herbicide.</p> <p><u>English Holly and English Hawthorn:</u>  -Late summer or early fall landowner will lance inject larger holly and hawthorn stems with imazapyr herbicide shells.</p>	<p>Spring or Early Summer</p> <p>April – August</p> <p>September or October</p> <p>September or October</p>



## Site 3 – King Property Specifications

Project Address: Parcel# 1720069118, 19985 SE 416TH ST, Enumclaw, WA 98022



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## Description of Work

Project will consist of the control of invasive blackberry, English holly, and English hawthorn in four treatment zones (A, B, C, D). Method of treatment will be a combination of mechanical and chemical techniques. Perimeters of treatment zones have been marked with colored flagging and areas outside marked zone perimeters will be left untreated by this project.

Initial treatment in each zone will be a foliar herbicide treatment of dense patches of invasive blackberry in treatment zones and a cut/paint herbicide treatment of blackberry canes intermixed with native trees and shrubs by hired contractor.

Contractor will complete a second herbicide treatment (cut and paint) in late summer or early fall of any regrown blackberry canes, English holly stems, and English hawthorn stems growing in treatment zones.

**Acres to be Treated:** 3.5

## Treatments

Mechanical ☒

- Type of equipment and any modifications necessary to enable the equipment to adequately complete the job.  
***Equipment may include cutting hand tools, brush saws, chainsaws, walk behind brush mower, masticator or similar skid-steer attached equipment that contractor has available and chooses to utilize.***

Chemical ☒

- Acceptable chemical treatment references for containment and management of target species.  
<https://your.kingcounty.gov/dnrp/library/archive-documents/wlr/LANDS/Weeds/pdf/blackberry-control.pdf>  
<https://your.kingcounty.gov/dnrp/library/water-and-land/weeds/BMPs/English-holly-control.pdf>  
<https://kingcounty.gov/services/environment/animals-and-plants/noxious-weeds/weed-identification/common-hawthorn.aspx>  
<https://pnwhandbooks.org/weed>
- Any special mitigation, timing considerations or other factors (such as soil texture and organic matter content) that must be considered to ensure the safest, most effective application of the herbicide.  
***This project will require the application of herbicides using both a cut and paint or cut stump application method and a spot spray foliar application method. Follow applicable herbicide label instructions for using these methods of pesticide application.***

Treatment Zone, Zone Size, Target Species	Treatment Procedures (e.g. mowing, herbicide application, etc.)	Planned Treatment Dates and/or brush growth stage
Zone A, 1.8 acre – Invasive Blackberry, English Holly, English Hawthorn	<u>Blackberry:</u> -In summer contractor will complete spot spraying of dense invasive blackberry and where blackberry is intermixed with native vegetation cut and paint blackberry canes between	July or after flowering and start of fruit set

	<p>ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr herbicide.</p> <p><u>English Holly and English Hawthorn:</u> -Late summer or early fall contractor will cut stems between ground and 6" above ground and immediately paint with 100% solution of Triclopyr herbicide or on larger diameter stems inject with herbicide shells.</p>	<p>September or October</p> <p>September or October</p>
<p>Zone B, 0.3 acre – Invasive Blackberry, English Holly, English Hawthorn</p>	<p><u>Blackberry:</u> -In summer contractor will complete spot spraying of dense invasive blackberry or where it's intermixed with native vegetation cut and paint blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr herbicide.</p> <p><u>English Holly and English Hawthorn:</u> -Late summer or early fall contractor will cut stems between ground and 6" above ground and immediately paint with 100% solution of Triclopyr herbicide or on larger diameter stems inject with herbicide shells.</p>	<p>July or after flowering and start of fruit set</p> <p>September or October</p> <p>September or October</p>
<p>Zone C, 1.3 acre – Invasive Blackberry, English Holly, English Hawthorn</p>	<p><u>Blackberry:</u> -In summer contractor will complete spot spraying of dense invasive blackberry or where it's intermixed with native vegetation cut and paint blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr herbicide.</p> <p><u>English Holly and English Hawthorn:</u> -Late summer or early fall contractor will cut stems between ground and 6" above ground and immediately paint with 100% solution of Triclopyr herbicide or on larger diameter stems inject with herbicide shells.</p>	<p>July or after flowering and start of fruit set</p> <p>September or October</p> <p>September or October</p>

Zone D, 0.1 acre – Invasive Blackberry, English Holly, English Hawthorn	<p><u>Blackberry:</u> -In summer contractor will complete spot spraying of dense invasive blackberry or where it's intermixed with native vegetation cut and paint blackberry canes between ground and 6" above ground and immediately paint canes with a 100% solution of Triclopyr herbicide.</p> <p>-Late summer or early fall contractor will cut regrown or remaining blackberry canes between ground and 6" above ground and immediately paint canes with 100% solution of Triclopyr herbicide.</p> <p><u>English Holly and English Hawthorn:</u> -Late summer or early fall contractor will cut stems between ground and 6" above ground and immediately paint with 100% solution of Triclopyr herbicide or on larger diameter stems inject with herbicide shells.</p>	<p>July or after flowering and start of fruit set</p> <p>September or October</p> <p>September or October</p>

# **UNANTICIPATED DISCOVERY PLAN**

## **PLAN AND PROCEDURES FOR THE UNANTICIPATED DISCOVERY OF CULTURAL RESOURCES AND HUMAN SKELETAL REMAINS IN KING CONSERVATION DISTRICT, WASHINGTON**

### **1. INTRODUCTION**

The King Conservation District assists landowners to do conservation work on their property. The following Unanticipated Discovery Plan (UDP) outlines procedures to follow, in accordance with state and federal laws, if archaeological materials or human remains are discovered while doing conservation work on your land.

### **2. RECOGNIZING CULTURAL RESOURCES**

A cultural resource discovery could be prehistoric or historic. Examples include:

- An accumulation of shell, burned rocks, or other food related materials
- Bones or small pieces of bone,
- An area of charcoal or very dark stained soil with artifacts,
- Stone tools or waste flakes (i.e. an arrowhead, or stone chips),
- Clusters of tin cans or bottles, logging or agricultural equipment that appears to be older than 50 years,
- Buried railroad tracks, decking, or other industrial materials.

When in doubt, assume the material is a cultural resource.

### **3. ON-SITE RESPONSIBILITIES**

**STEP 1: STOP WORK.** If any landowner, contractor, subcontractor, or other person believes that he or she has uncovered a cultural resource at any point in doing conservation work, all work adjacent to the discovery must stop. The discovery location should be secured at all times.

Note: If human remains are encountered, treat them with dignity and respect at all times. Cover the remains with a tarp or other materials (not soil or rocks) for temporary protection in place and to shield them from being photographed. See Section 5 below for next steps.

**STEP 2: NOTIFY MONITOR.** If there is an archaeological monitor for the project, notify that person. If there is a monitoring plan in place, the monitor will follow its provisions.

**STEP 3: NOTIFY KING CONSERVATION DISTRICT.** Contact the King CD at 425-282-1900 and ask to speak to the staff person associated with the project.

If you can't reach the specific KCD staff person associated with the project, contact the KCD Front Desk at 425-282-1900 to report the cultural resource discovery. Ask that the appropriate staff person be notified.



#### 4. FURTHER CONTACTS AND CONSULTATION

##### A. Landowner's Responsibilities:

- Protect Find: The Landowner is responsible for taking appropriate steps to protect the discovery site. All work will stop in an area adequate to provide for the total security, protection, and integrity of the resource. Vehicles, equipment, and unauthorized personnel will not be permitted to traverse the discovery site. Work in the immediate area will not resume until treatment of the discovery has been completed following provisions for treating archaeological/cultural material as set forth in this document.
- Direct Construction to Elsewhere On-site: The Landowner may direct construction to continue away from the cultural resources discovery area.

##### B. Conservation District's Responsibilities:

- Identify Find: The Conservation District will assist the landowner to ensure that a professional archaeologist examines the find to determine if it is archaeological, and document their findings.
  - If it is determined to not be archaeological, work may proceed with no further delay.
  - If it is determined to be archaeological, the King CD will assist the landowner to continue with proper notifications and permitting.
  - If the discovery is human remains or funerary objects, King CD will ensure that the DAHP State Physical Anthropologist examines the find. If the discovery is determined to be human remains, the procedure described in Section 5 will be followed.
- Notify DAHP: King CD will assist the landowner in contacting the Department of Archaeology and Historic Preservation (DAHP).

##### Department of Archaeology and Historic Preservation:

Gretchen Kaehler

Local Governments Archaeologist

email: [Gretchen.Kaehler@dahp.wa.gov](mailto:Gretchen.Kaehler@dahp.wa.gov)

360-586-3088

360-628-2755 - Cell

Or

Dr. Allyson Brooks,

State Historic Preservation Officer/Director

email: [Allyson.Brooks@dahp.wa.gov](mailto:Allyson.Brooks@dahp.wa.gov)

360- 586-3066

Or

Dr. Guy Tasa

State Physical Anthropologist

email: [Guy.Tasa@dahp.wa.gov](mailto:Guy.Tasa@dahp.wa.gov)

360-586-3534

360-790-1633 – Cell



- Notify Tribes: If the discovery may relate to Native American interests, King CD will assist the landowner in contacting the appropriate Tribal Liaison(s).

The Tribes that may potentially have interest within King Conservation District are:

Muckleshoot Indian Tribe  
 Laura Murphy  
 Archaeologist, Cultural Resources  
 253-876-3272  
[laura.murphy@muckleshoot.nsn.us](mailto:laura.murphy@muckleshoot.nsn.us)

Puyallup Tribe  
 Brandon Reynon  
 Cultural Resources  
 253-573-7986  
[brandon.reynon@puyalluptribe.com](mailto:brandon.reynon@puyalluptribe.com)

Snoqualmie Nation  
 Steve Mullen-Moses  
 Director of Archaeology &  
 Historic Preservation  
 425-495-6097  
[steve@snoqualmietribe.us](mailto:steve@snoqualmietribe.us)

Stillaguamish Tribe  
 Kerry Lyste  
 Cultural Resources  
 360-657-3687 ext. 14  
[klyste@stillaguamish.com](mailto:klyste@stillaguamish.com)

Suquamish Tribe  
 Dennis Lewarch  
 Tribal Historic Preservation Office  
 360-394-8529  
[dlewarch@Suquamish.nsn.us](mailto:dlewarch@Suquamish.nsn.us)

Tulalip Tribes  
 Richard Young  
 Cultural Resources  
 360-716-2652  
[ryoung@tulaliptribes-nsn.gov.com](mailto:ryoung@tulaliptribes-nsn.gov.com)

## 5. SPECIAL PROCEDURES FOR THE DISCOVERY OF HUMAN SKELETAL MATERIAL

Any human skeletal remains, regardless of antiquity or ethnic origin, will at all times be treated with dignity and respect. The remains will not be touched, moved, or further disturbed.

In addition to the actions described in Sections 3 and 4, the landowner or other responsible person onsite will immediately notify the local law enforcement agency or the King County Medical Examiner office at 206-731-3232 before completing the other steps in Section 3, any time human skeletal remains are found.

If ground disturbing activities encounter human skeletal remains during the course of construction, then all activity will cease that may cause further disturbance to those remains. The area of the find will be secured and protected from further disturbance.

The county medical examiner/coroner will assume jurisdiction over the human skeletal remains and make a determination of whether those remains are forensic or non-forensic.

If the county medical examiner/coroner determines the remains are non-forensic, then the examiner/coroner will report that finding to the Department of Archaeology and Historic Preservation (DAHP) who will then take jurisdiction over the remains.

The DAHP will notify any appropriate cemeteries and all affected tribes of the find. The State Physical Anthropologist will make a determination of whether the remains are Indian or Non-Indian and report that finding to any appropriate cemeteries and the affected tribes. The DAHP will then handle all consultation with the affected parties as to the future preservation, excavation, and disposition of the remains."

When consultation and documentation activities are complete, construction in the discovery area may resume as described in Section 6.

Note: If assessment activity exposes human remains (burials, isolated teeth, or bones), the process described in Section 5 above will be followed.

## **6. PROCEEDING WITH CONSTRUCTION**

Project construction outside the discovery location may continue while documentation and assessment of the cultural resources proceed. An archeologist must determine the boundaries of the discovery location. Construction may continue at the discovery location only after the process outlined in this plan is followed and the King CD determines that compliance with state and federal laws is complete.

# Sample KCD Limited Public Works Project Contract

**King Conservation District**

**XXXXXXXXX Project**

**LIMITED PUBLIC WORKS PROJECT CONTRACT**

THIS AGREEMENT is between the KING CONSERVATION DISTRICT, a municipal corporation of the State of Washington (the "District"), and XXXXXXXXXXXX (the "Contractor").

The parties agree as follows:

1. Term of Agreement. This Agreement shall be effective from and after XXXXXXXX through XXXXXXXX, unless terminated earlier pursuant to the provisions of this Agreement. Contractor shall commence work under this Contract upon receipt of notice to proceed from the District. All Project work must be completed no later than XXXXXXXX.

2. Scope of Work to be Performed. Contractor shall do all work and furnish all tools, materials, and equipment for the District's limited public works project known as "XXXXXXXXXXXXX" ("Project") in accordance with and as more fully described in the Summary of Work and Technical Specifications attached hereto as Exhibits A and B. In the event of a conflict between Exhibit A or Exhibit B and this Agreement, the provisions of this Agreement shall prevail.

3. Compensation and Payment.

A. Compensation. The District shall pay the Contractor for all completed work and services as provided in Exhibit A. The total amount paid under this Agreement shall not exceed XXXXXXXX unless mutually agreed upon in writing by the parties.

B. Payment. The Contractor shall submit to the District an itemized billing statement that identifies in detail, to the reasonable satisfaction of the District, the days worked and which describes the work or services performed. The District will pay the Contractor for work or services performed on or before the 15th day of the following month within 30 days after receipt of an itemized billing statement, in accordance with established practices. The Contractor will provide the District with a Taxpayer Identification Number before or along with the first billing statement submitted to the District.

4. Record Keeping and Reporting. The Contractor shall maintain accounts and records, including personnel, property, financial and programmatic records, which sufficiently and properly reflect all direct and indirect costs of any nature expended and work or services performed under this Agreement, and any other records or reports as may be deemed necessary by the District to ensure the performance of this Agreement. These records shall be maintained

for a period of six (6) years after termination of this Agreement, unless permission to destroy such records is granted by the Office of Archivist in accordance with RCW 40.14.070 and the District.

5. Audit. The Contractor shall permit the District, from time to time as the District deems necessary (including after the expiration or termination of this Agreement), to inspect and audit at all reasonable times in King County, Washington, or at such other reasonable location as the District selects, all pertinent books and records of the Contractor to verify the accuracy of accounting records. The Contractor shall supply the District with, or shall permit the District to make, a copy of any books and records upon the District's request. The Contractor shall ensure that the inspection, audit and copying right of the District is a condition of any subcontract, agreement or other arrangement under which any other person or entity is permitted to perform work and services under this Agreement.

6. Compliance with Law.

A. General Requirement. The Contractor, at the Contractor's sole cost and expense, shall perform and comply with all applicable Federal, State, County and City laws and ordinances.

B. Discrimination. Contractor agrees not to discriminate against any employee or applicant for employment or any other person in the performance of this Agreement because of race, creed, color, national origin, marital status, sex, age, disability, or other circumstance prohibited by federal, state or local law or ordinance, except for a bona fide occupational qualification.

C. Licenses and Similar Authorizations. The Contractor, at no expense to the District, shall secure and maintain in full force and effect during the term of this Agreement all required licenses, permits and similar legal authorizations.

D. Taxes. The Contractor shall pay, before delinquency, all taxes, levies and assessments arising from the Contractor's activities and undertakings under this Agreement; taxes levied on the Contractor's property, equipment and improvements; and taxes on the Contractor's interest in this Agreement and any leasehold interest deemed to have been created by this Agreement under RCW Chapter 82.29A.

E. Prevailing Wages. Contractor shall pay prevailing wages as required and shall comply with RCW 39.12 and RCW 49.28. Notice of intent to pay prevailing wages and prevailing wage rates for the Project must be posted for the benefit of workers. At the completion of the Project, Contractor and its subcontractors shall submit Affidavits of Wages Paid to the Department of Labor and Industries for certification. Final payment on the Contract shall be withheld until District receives certification from the Department of Labor and Industries that prevailing wage requirements have been satisfied.

7. Contractual Relationship.

A. Independent Contractor. The Contractor and District agree that the Contractor is an independent contractor with respect to work or services provided under this Agreement. Nothing in this Agreement shall be considered to create the relationship of employer and employee between the Contractor and the District. It is understood and agreed that the Contractor or any employee of the Contractor will not be entitled to receive any other benefits accorded District employees. The District will not be responsible for withholding or otherwise deducting federal income tax, social security, or contributing to the State Industrial Insurance Program, or in any other way assuming the duties of an employer with respect to the Contractor or any employee of the Contractor.

B. Lack of Authority. This Agreement does not constitute the Contractor as the agent or legal representative of the District for any purpose. The Contractor is not granted any express or implied right or authority to assume or create any obligation or responsibility on behalf of or in the name of the District or to bind the District in any manner.

8. No Subcontracting or Assignment. The Contractor shall not subcontract or assign any portion of the work or services covered by this Agreement without the prior written approval of the District.

9. Indemnification.

A. By Contractor. The Contractor shall protect, defend, indemnify and save harmless the District, its officers, employees, agents from any and all costs, claims, judgments or awards of damages, arising out of or in any way resulting from the negligent acts or omissions of Contractor, its officers, employees and agents in performing this Agreement.

B. By District. The District shall protect, defend, indemnify and save harmless Contractor, its officers, employees and agents from any and all costs, claims, judgments or awards of damages, arising out of or in any way resulting from the negligent acts or omissions of the District, its officers, employees or agents in performing this Agreement.

10. Insurance. Contractor shall obtain, and keep in force during the term of this Contract, insurance policies as follows:

A. Commercial General Liability. Limits no less than \$1,000,000.00 combined single limit per occurrence and \$2,000,000.00 aggregate for personal injury, bodily injury and property damage. Coverage shall be as broad as Insurance Services Office form number (CG 00 01) covering Commercial General Liability.

B. Automobile Liability Insurance. Limits no less than \$1,000,000.00 combine single limit per accident for bodily injury and property damage. Coverage shall be as broad as Insurance Services Office form number (CA 00 01) covering Business Auto Coverage, symbol 1 "any auto"; or the combination of symbols 2, 8 and 9.

C. Workers' Compensation. Statutory requirements of the State of residency. Coverage shall be at least as broad as Workers' Compensation coverage, as required by the



Industrial Insurance Act of the State of Washington, as well as any similar coverage required for this Work by applicable Federal or “other States” State Law.

D. Employer’s Liability or “Stop Gap”. Coverage shall be at least as broad as the protection provided by the Workers Compensation policy Part 2 (Employers Liability) or, in states with monopolistic state funds, the protection provided by the “Stop Gap” endorsement to the general liability policy.

E. The insurance policies shall specifically name the District, its elected or appointed officials, officers, employees, and volunteers as insured with regard to damages and defense of claims arising from (1) activities performed by or on behalf of the Contractor; or (2) products and completed operations of the Contractor; or (3) premises owned, leased, or used by the Contractor.

F. The insurance policies (1) shall state that coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer’s liability; (2) shall be primary insurance with regard to the District; and (3) shall state that the District will be given at least 30 days’ prior written notice of any cancellation, suspension or material change in coverage.

G. Before commencing work and services, Contractor shall provide to the District a Certificate of Insurance evidencing the required insurance accompanied by endorsements as are necessary to comply with the requirements of this paragraph. The District reserves the right to request and receive a certified copy of all required insurance policies.

H. Any payment of deductible or self-insured retention shall be the sole responsibility of Contractor.

11. Ownership of Documents. Reports, studies, plans, drawings, maps, models, specification, computer files, videos, presentations and other work products produced by the Consultant, except for working notes and internal documents, shall be the property of the District. The Consultant shall furnish these documents to the District upon request. The Consultant shall refer all third-party requests for inspection and copying of these documents to the District which shall determine whether the documents shall be made available for inspection. Modification or re-use of any of these documents by the District for other than the intended purpose following completion of the work and services under this Agreement, without the written permission of the Consultant, shall be at the District’s sole risk.

A. Pursuant to performing the specified Services, Consultant will create certain instruments of service, which may take the form of printed, hard copy documents and electronic, computer-ready materials including but not limited to computer programs, software, videos, presentations, and data. These instruments may also take the form of methodology, processes, and logic.

B. Materials, methodologies, processes, and logic will be delivered to District as part of the Specific Services rendered by Consultant, and District will acknowledge said materials as

instruments of service. All instruments shall become the property of District upon completion of the respective Specific Service and payment in full of monies due Consultant for that service.

- C. Consultant makes no warranties, expressed or implied, of the merchantability or fitness of said instruments for any particular purpose other than the pertinent scope of the Specified Services.
- D. Consultant may retain reproducible copies of the its instruments of service (aka “documents” per District). If Consultant uses its instruments of service with other clients, Consultant must credit District.

12. Addresses for Notices and Deliverable Materials. All notices and other material to be delivered under this Agreement shall be in writing and shall be delivered or mailed to the following addresses:

District:

King Conservation District  
800 SW 39<sup>th</sup> St, Suite 150  
Renton, WA 98057  
Attn: XXXXXXXX

Contractor:

Company Name  
Address  
City State Zip  
Attn: XXXXXXXX

or such other addresses as either party may, from time to time, designate in writing.

13. Amendments. No modification or amendment of this Agreement shall be effective unless in writing and signed by authorized representatives of the parties. The parties expressly reserve the right to modify this Agreement, from time to time, by mutual agreement.

14. Binding Effect. The provisions, covenants and conditions in this Agreement shall bind the parties, their legal heirs, representatives, successors and assigns.

15. Applicable Law; Venue. This Agreement shall be construed and interpreted in accordance with the laws of the State of Washington. The venue of any action brought under this Agreement shall be in the Superior Court for King County.

16. Remedies Cumulative. Rights under this Agreement are cumulative, and the failure to exercise a right on any occasion shall not operate to forfeit the right on another occasion. The use of one remedy shall not exclude or waive the right to use another.

17. No Waiver. No waiver of full performance by either party shall be construed, or operate, as a waiver of any subsequent default or breach of any of the terms, covenants or conditions of this Agreement. The payment of compensation to the Contractor shall not be deemed a waiver of any right or the acceptance of defective performance.

18. Termination.

A. At Convenience of District. The District may terminate this Agreement at any time upon 10 days written notice to the Contractor.

B. For Cause. Either party may terminate this Agreement where the other party fails to perform its obligations and the failure has not been corrected in a timely manner after notice of breach.

C. For Reasons Beyond Control of Parties. Either party may terminate this Agreement without recourse by the other party where performance is rendered impossible or impracticable for reasons beyond the party's reasonable control such as, but not limited to, acts of nature; war or warlike operations; civil commotion; riot; labor disputes including strike, walkout, or lockout; sabotage; or superior governmental regulation or control.

D. Notice. Notice of termination pursuant to Subsections B and C above shall be given by the party terminating this Agreement to the other not less than 30 days prior to the effective date of termination.

19. Previous Agreements Superseded. The terms and conditions of this Agreement supersede the terms, obligations and conditions of any existing or prior agreement between the parties regarding the subject matter of this Agreement.

20. Entire Agreement. This Agreement is all of the covenants, promises, agreements and conditions, either oral or written, between the parties.

CONTRACTOR: XXXXXXXXXXXXXX

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

WA Contractor's License No. \_\_\_\_\_

KING CONSERVATION DISTRICT:

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

**KING CONSERVATION DISTRICT  
KING COUNTY, WASHINGTON**

**RESOLUTION NO. 13-001**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE KING CONSERVATION DISTRICT, KING COUNTY, WASHINGTON, ESTABLISHING A SMALL WORKS ROSTER PROCESS TO AWARD PUBLIC WORKS CONTRACTS AND ESTABLISHING A BID LIMIT FOR SMALL PUBLIC WORKS PROJECTS.**

WHEREAS, RCW 39.04.155 allows certain public works contracts to be awarded by a small works roster process; and

WHEREAS, conservation districts are not specifically authorized to use the small works roster process pursuant to RCW 39.04.155, but are allowed and encouraged by Chapter 89.08 RCW to adopt policies for prudent and proper use and accounting for public moneys; and

WHEREAS, in order to the implement the small public works roster process, the King Conservation District ("District") desires to adopt the statutory framework provided in RCW 39.04.155 as the policy of the District; and

WHEREAS, the District further desires to formally establish a bid limit for small public works projects that may be awarded without using either the competitive bid process or the small works process.

NOW, THEREFORE, the Board of Supervisors of the District, King County, Washington, hereby resolves as follows:

**Section 1. Small Works Roster Process.** The following small works roster procedures are established for use by the District pursuant to RCW 39.04.155.

**1.1 Cost.** The District need not comply with formal sealed bidding procedures for the construction, building, renovation, remodeling, alteration, repair, or improvement of real property where the estimated cost does not exceed Three Hundred Thousand Dollars (\$300,000.00), which includes the costs of labor, material, equipment and sales and/or use taxes as applicable. Instead, the District may use the small works roster procedures for public works projects as set forth herein. The breaking of any project into units or accomplishing any projects by phases is prohibited if it is done for the purpose of avoiding the maximum dollar amount of a contract that may be let using the small works roster process.

**1.2 Number of Rosters.** The District may create a single general small works roster, or may create a small works roster for different specialties or categories of anticipated work. Any

small works rosters created may make distinctions between contractors based upon different geographic areas served by the contractor.

**1.3 Contractors on Small Works Roster(s).** The small works roster(s) shall consist of all responsible contractors who have requested to be on the roster(s), and where required by law are properly licensed or registered to perform such work in this state. Contractors desiring to be placed on a roster or rosters must keep current records of any applicable licenses, certifications, registrations, bonding, insurance, or other appropriate matters on file with the District as a condition of being placed on a roster or rosters.

**1.4 Publication.** At least once a year, the District shall publish in a newspaper of general circulation within the jurisdiction a notice of the existence of the roster or rosters and solicit the names of contractors for such roster or rosters. Responsible contractors shall be added to an appropriate roster or rosters at any time that they submit a written request and necessary records. The District may require master contracts to be signed that become effective when a specific award is made using a small works roster. An interlocal contract or agreement between the King Conservation District and other local governments establishing a small works roster or rosters to be used by the parties to the agreement or contract must clearly identify the lead entity that is responsible for implementing the small works roster provisions.

**1.5 Electronic Rosters.** In addition to paper and/or electronic rosters kept on file in the appropriate department, the District may also use that state wide electronic database developed and maintained by the Municipal Research and Services Center of Washington (MRSC Rosters).

**1.6 Telephone or Written Quotations.** The District shall obtain telephone, written or electronic quotations for public works contracts from contractors on the appropriate small works roster to assure that a competitive price is established and to award contracts to the lowest responsible bidder, as defined in RCW 39.04.010 and RCW 39.04.350, as follows:

a) A contract awarded from a small works roster need not be advertised. Invitations for quotations shall include an estimate of the scope and nature of the work to be performed as well as materials and equipment to be furnished. However, detailed plans and specifications need not be included in the invitation. This paragraph does not eliminate other requirements for architectural or engineering approvals as to quality and compliance with building codes.

b) Quotations may be invited from all appropriate contractors on the appropriate small works roster. As an alternative, quotations may be invited from at least five contractors on the appropriate small works roster who have indicated the capability of performing the kind of work being contracted, in a manner that will equitably distribute the opportunity among the contractors on the appropriate roster. If the estimated cost of the work is from one hundred fifty thousand dollars (\$150,000) to three hundred thousand dollars (\$300,000), the District may choose to solicit bids from less than all the appropriate contractors on the appropriate small works roster but must also notify the remaining contractors on the appropriate small works roster that quotations on the work

are being sought. The District has the sole option of determining whether this notice to the remaining contractors is made by:

- (i) Publishing notice in a legal newspaper in general circulation in the area where the work is to be done;
- (ii) Mailing a notice to these contractors; or
- (iii) Sending a notice to these contractors by facsimile or other electronic means.

c) For purposes of this resolution, "equitably distribute" means that the District may not favor certain contractors on the appropriate small works roster over other contractors on the appropriate small works roster who perform similar services. At the time bids are solicited, the District representative shall not inform a contractor of the terms or amount of any other contractor's bid for the same project;

d) A written record shall be made by the District representative of each contractor's bid on the project and of any conditions imposed on the bid. Immediately after an award is made, the bid quotations obtained shall be recorded, open to public inspection, and available by telephone inquiry.

**1.7 Limited Public Works Process.** If a work, construction, alteration, repair, or improvement project is estimated to cost less than thirty-five thousand dollars (\$35,000), the District may award such a contract using the limited public works process provided under RCW 39.04.155(3). For limited public works projects, the District will solicit electronic or written quotations from a minimum of three contractors from the appropriate small works roster and shall award the contract to the lowest responsible bidder, as defined under RCW 39.04.010 and RCW 39.04.350. After an award is made, the quotations shall be open to public inspection and available by electronic request.

For limited public works projects, the District may waive the payment and performance bond requirements of Chapter 39.08 RCW and the retainage requirements of Chapter 60.28 RCW, thereby assuming the liability for the contractor's nonpayment of laborers, mechanics, subcontractors, materialmen, suppliers, and taxes imposed under Title 82 RCW that may be due from the contractor for the limited public works project. However, the District shall have the right of recovery against the contractor for any payments made on the contractor's behalf.

The District shall maintain a list of the contractors contacted and the contracts awarded during the previous twenty-four (24) months under the limited public works process, including the name of the contractor, the contractor's registration number, the amount of the contract, a brief description of the type of work performed, and the date the contract was awarded.



**1.8 Small Business Incentives.** Pursuant to RCW 39.04.155(5), the District may use the limited public works process of RCW 39.04.155(3) to solicit and award small works roster contracts to small businesses that are registered contractors with gross revenues under one million dollars annually as reported on their federal tax return. The District may adopt additional procedures to encourage small businesses that are registered contractors with gross revenues under two hundred fifty thousand dollars (\$250,000) annually as reported on their federal tax returns to submit quotations or bids on small works roster contracts.

**1.9 Determining Lowest Responsible Bidder.** The District Board of Supervisors shall award the contract for the public works project to the lowest responsible bidder provided that, whenever there is a reason to believe that the lowest acceptable bid is not the best price obtainable, all bids may be rejected and the Board of Supervisors may call for new bids. A responsible bidder will be a contractor who meets the mandatory requirements of RCW 39.04.350(1) and any supplemental bidder responsibility criteria established for the project under RCW 39.04.350 (2).

**1.10 Award.** The District's Executive Director or designee shall present all telephone quotations/bids and recommendation for award of the contract to the lowest responsible bidder to the Board of Supervisors. However, for public works projects under \$15,000, the District's Executive Director shall have the authority to award public works contracts without Board of Supervisors approval, provided that the Board of Supervisors shall ratify the Executive Director's approval at the next scheduled Board of Supervisors meeting by means of the consent agenda. For public works projects over \$100,000, the Board of Supervisors shall award all public works contracts by formal resolution.

**Section 2. Establishment of Bid Limits.** Small public works projects, the estimated cost of which is less than \$15,000, may be awarded by the District without using either the competitive bid process or the small works process (including the limited public works process).

ADOPTED by the Board of Supervisors at a regular meeting open to the public held on January 15, 2013.

  
Bill Knutsen, Chair

## CERTIFICATE

I, Max Prinsen, Secretary of the Board of Supervisors, King County, Washington, do hereby certify that the foregoing resolution is a true and correct copy of Resolution No. 13-001 of such Board, duly adopted at a regular meeting thereof held on the 15th day of January, 2013, by the members of such Board in attendance at such meeting and attested by myself in authentication of such adoption.



Max Prinsen, Secretary/Auditor

**King Conservation District Board of Supervisors Meeting 06/21/2022**  
**Agenda Action Briefing/Report AI 22- 045**

AI 22-045

**SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Chris Cunningham, for a Stream Crossing, in the amount of \$20,250.00.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$301,290.51</b>
Current Request	<b>\$20,250.00</b>
Balance Remaining	<b>\$281,040.51</b>

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Cedar Grove Farm is located in the Sammamish River and drains into the Sammamish River that runs along its eastern boundary line. There is one modified drainage ditch that flows from the western hillside down to the property and turns north and then east to drain into the Sammamish River. There are three undersized culverts identified for removal and replacement as the ditch moves through Cedar Grove farm. This ditch is considered salmon bearing but previous projects on neighboring properties have not recovered any salmonid species. During seasonally wet conditions, the crossings cause water to flow out into the croplands and farmstead and inundate the surrounding area. Potential water resource concerns include excess water is flooding the cropland and farmstead for a period of the year due do poorly managed drainage system. Also, there is potential for water temperatures to be elevated in drainage ditch due to lack of stream bank vegetation. Lastly, undersized and blocked culverts make it impossible for spawning fish to make their way upstream.

The three culverts will be replaced with three 48" LCPE culverts. This Stream Crossing BMP is part of a larger ADAP project. Final engineer plans are being worked on now to include detail about size of the third culvert. Draft plans call for removal of this culvert now but farm owners would like a new crossing to be installed. Part of the ADAP agreement with WDFW is that all modified watercourses will receive a native hedgerow buffer with up to three rows of plants. This ag ditch will receive a hedgerow buffer by spring of 2023.

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

The LIP Stream Crossing BMP budget is currently calculated through a unit maximum of cost per linear foot. The cost to install larger crossings such as bridges and larger culverts, has dramatically increased largely in part because of increased demand and prices for materials used to remove and replace fish passage barriers. Because of this, the cost per foot unit maximum utilized to calculate budget for Stream Crossings is not able to account for the variance in the cost to install larger crossings as oppose to smaller culvert replacements. The Cedar Grove Farm crossings number of linear feet could utilize the maximum allowable cost-share reimbursement of \$36,000.00, however, this project is installing smaller culverts and the bid from the contractor to perform the work came back with a lower project budget and a cost-share reimbursement of approximately \$20,250.00.

## **King Conservation District Board of Supervisors Meeting 06/21/2022**

### **Agenda Action Briefing/Report AI 22-**

For LIP BMPs that have highly variable site conditions, project requirements and install costs LIP utilized bids instead of cost per units, such as with Rural Forest Stewardship, Riparian Buffers, Bulkhead Removal and Hedgerow BMPs. These practices still adhere to their cost share ratio for match and practice maximum reimbursable amounts.

As Mr. Cunningham's project does not require the full amount of allowable cost-share to be implemented, staff are proposing utilizing the bid system and cost-share ratio to calculate the project budget. Utilizing the bid would avoid over encumbering project funding, allowing the additional funding to be allocated to other cooperators and projects to implement BMPs. Mr. Cunningham would still be eligible to apply for funding up to the practice maximum, given the number of feet, at a later date if the cost of the install increases. .

Due to time constraints of project timelines staff have not had time to develop a full policy revision proposal for Stream Crossing rate calculations prior to this application being submitted but are continuing to work on these efforts. This project would set a precedent for considering bids for Stream Crossings in calculating the cost-share budget. Staff will continue to evaluate circumstances where bids are available at the time of application for Stream Crossings, and the bid amount combined with the cost-share ratio does not align with project budget calculated utilizing the unit maximum up and until the practice maximum for reimbursement of \$36,000.00. As with other LIP BMP's that utilize bids, all other cost-share policies and rules would apply, including the cost-share rate for matching funds and the practice cap for reimbursement per cooperator for the Stream Crossing BMP of \$36,000.00

#### **EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

#### **RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Chris Cunningham, for Stream Crossing in the amount of \$20,250.00.

#### **MOTION**

                     Moved,                      Seconded; *Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Chris Cunningham, for Stream Crossing, in the amount of \$20,250.00.*

# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## Section 2. Project Information

<b>Best Management Practice (BMP):</b>
<b>Project Completion Date</b> ( <i>month and year</i> ):
<b>Current Site Conditions</b> ( <i>Provide a brief summary of resource management problem addressed by BMP: also note if streams, wetlands, and steep slopes are near or within the project area</i> ):
<b>Project Details</b> ( <i>Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.</i> ):
<b>Maintenance Plan</b> ( <i>Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.</i> ):

<b>Permits</b> <i>(List all permits required to complete this project):</i>
<b>Photos:</b> Before photos must be submitted with this application.

Section 3. Cost-share Programs

<p>A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)?</p> <p>If yes, please list contract number and BMP below:</p>	<p>Yes</p>	<p>No</p>
<p>B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs?</p> <p>Please describe below:</p> <p>1. <b>King County Cost-share</b></p> <p>Please list practices and date installed below:</p> <p>2. <b>NRCS EQIP (Natural Resources Conservation Service’s Environmental Quality Incentive Program)</b></p> <p>Please list practices and date installed below:</p> <p>3. <b>Other</b></p> <p>Please list agency and describe project:</p>	<p>Yes</p>	<p>No</p>

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant’s statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- Select this box if you intend to request partial reimbursement as the project is installed.



## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project? Yes No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- A. I understand the lifetime of the BMP is \_\_\_\_\_ years.
- B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_ (Initial Here)

I understand that all applicable local, state, and federal permits must be obtained for installation of the BMP for which funds are requested, and I agree to work cooperatively to obtain these permits. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. \_\_\_\_\_ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. \_\_\_\_\_ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. \_\_\_\_\_ (Initial Here)

upon verification that the BMP was installed as designed. This verification should be provided as written documentation from the design engineer. The design engineer may provide in writing for another authorized individual to provide the verification. Furthermore, I understand that changes to the installation details (attached Job Sheet and Map) must be approved through a Scope of Work Revision Process. Unapproved changes will not be eligible for reimbursement \_\_\_\_\_ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.  
\_\_\_\_\_ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney’s fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. \_\_\_\_\_ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. \_\_\_\_\_ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_ (Initial Here)

- I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_ (Initial Here)
- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
  - b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
  - c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
  - d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
  - e. I deny KCD staff access to my property to verify BMP installation and maintenance.

- I understand KCD will provide a sign free of charge after completion of a project, and I agree that: \_\_\_\_\_ (Initial Here)
- a. I will select a visible location on my property for display of the sign and will install it.
  - b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
  - c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant	Date	Signature of Landowner (if applicant if Lessee)	Date
------------------------	------	-------------------------------------------------	------

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)	Date	
Approved for Funding (KCD Management)	Date	LIP ID:



# Landowner Incentive Program

## Applicant Budget

Cooperator: Lunningham/Caspian

Budget Items	Units	Cost
Stream Crossing culvert	20.00	\$9,000.00
Stream Crossing culvert	20.00	\$9,000.00
Stream Crossing culvert	20.00	\$9,000.00
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$27,000.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$27,000.00
Units	Linear Feet	26.67
Cost/Unit		\$ 1,012.50

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management		
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing	x	\$ 20,250.00
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

**Amount eligible for reimbursement**  
(based on 2015 rates)

**\$20,250.00**

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 12.00	0.75	\$ 9.00	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 40,000.00	0.75	\$ 30,000.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	acre
Cross Fencing	ft	\$ 6.00	0.5	\$ 3.00	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,800.00	0.75	\$ 1,350.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 1,000.00	0.75	\$ 750.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	



Local Food  
Healthy Forests  
Clean Water  
Better Ground

# Job Sheet

## Stream Crossing

Cooperator: Caspian/ Cunningham- Cedar Grove Farm	Lifetime of Practice: 10 years
---------------------------------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Reduce streambank and streambed erosion.	<input checked="" type="checkbox"/> Provide crossing for access to another land unit.
<input checked="" type="checkbox"/> Improve water quality by reducing sediment, nutrient, organic, and inorganic loading of the stream.	<input checked="" type="checkbox"/> Remove a fish passage barrier in combination with installing fish passable crossing structure.

**Summarize the Project Proposal.** *Provide the following: 1) describe project activities, including permitting, site prep, installation, and maintenance and monitoring; 2) describe the anticipated project outcome (e.g. fish and wildlife benefits, other environmental benefits); and 3) outline the project implementation timeline.*

1) This is part of a King County ADAP project started on the neighboring property at JB Lawns in 2019. King county engineers will submit for HPA permit in May 2022 and expect to receive a permit by June 2022. There is approx.. 1000' of ag modified watercourse that will be maintained thru ADAP to include the removal of 3 fish passage barriers. All three are currently undersized concrete culverts. All three will be replaced with 48" wide culverts. They will all be 20' long. All BMPs will be completed according to ADAP agreement with WDFW. There will be a native hedgerow buffer installed by spring of 2023. Installation will include dewatering and defishing before barrier removal and replacement. All engineer plans will be followed by contractor. Erosion control measures will be in place. Maintenance of the crossing will be the responsibility of the property owners to visually inspect for sediment accumulation and structural integrity.

2) The outcome intended is to bring back 20 acres of cropland into production on a working farm without causing any adverse effects to aquatic life that may be residing in the ag ditch. A planted hedgerow buffer will shade the ditch to lower water temps and reduce reed canary grass distribution along the ditch banks.

3) This project will likely begin in August of 2022 and take about one week for completion. The native hedgerow buffer will be planted by spring of 2023 that will include three years of maintenance by King County DNRP.

**Describe Project Area.** *Provide the following: 1) extent of project area above and below ordinary high water mark; 2) dimensions of site; and 3) briefly describe the existing vegetation and habitat conditions.*

1) This project will happen below the OHWM to remove fish passage barrier and install wider passages.

2) This farmland covers two parcels totaling approx. 73 acres. The three stream crossings will be 48" x 20'. The modified ag ditch maintenance will cover approx. 1000'.

3) Currently, much of the streambank is overgrown with reed canary grass and Himalayan blackberries. This vegetation is choking the ag ditch along with accumulated sediment flowing from the western hillside.

Construction and development happening since 2020 directly adjacent to the farmland on the western hillside is causing more sediment to flow into this system.

**Name and type (S, F or N, wetland I, II, or III) of waterway to be crossed.**

This is classified as fish bearing and highly modified through the King County ADAP program.

**Land Uses and Associated Impacts.** *Provide the following: 1) describe how the property is used (e.g., residential, commercial, recreational); 2) describe adjacent properties, including land uses and any potential adverse impacts to adjacent properties associated with the proposed project.*

- 1) This is protected farmland through KC FPP.
- 2) The adjacent property to the west is under construction for new residential buildings. Properties to the north, south and east are all ag properties. There are no adverse impacts to adjacent properties.

**List the intended use (people, livestock, equipment, or vehicles).** *Also include the stream crossing dimensions and project materials. Please attach an engineer approved design.*

This property to be used for cultivating organic crops and distributing organic compost. The three stream crossings will be 48" x 20' LCPE (high density polyethylene). The modified ag ditch maintenance will cover approx. 1000'. The final engineer plans are included.

**Grading and Demolition Activities.** *Describe the plan to remove structures (failing culvert, etc.) and grade project areas, including specific construction methods and equipment to be used.*

The project sites will be dewatered, defished and barriers will be removed. Crushed surfacing rock bedding will be placed to support the structures as detailed in engineer's plan. Excavators will be onsite to perform work along with gravel trucks to haul materials to site. Culverts will be placed to match elevations and approaches will be graded to meet specs.

**Habitat Restoration Activities.** *Provide the following that apply: 1) describe site preparation activities (e.g. weed control, substrate to be applied, soil amendment to be used); 2) identify the type and source of plant materials (e.g. potted, bareroot, ball and burlap and native plant nurseries providing plant material); 3) describe the care and temporary storage of plant materials; 4) describe installation plan (e.g. planting plan, installation techniques, sheet mulching, etc.); 5) describe maintenance and monitoring plan (e.g. number of years to be conducted, survival data collection, etc.).*

- 1) Excavator will remove all invasive weeds along streambank.



- 2) Hedgerow buffers will be native species with a mix of bareroot and potted plants for installation.
- 3) This is a KC planting and I do not know where plants are stored.
- 4) Plants will be installed in 3 feet rows on both sides of the ditch at 2' off center. Weed fabric will be installed prior to planting
- 5) Planting will be monitored and maintained for 3 years by KC ADAP/ERES.

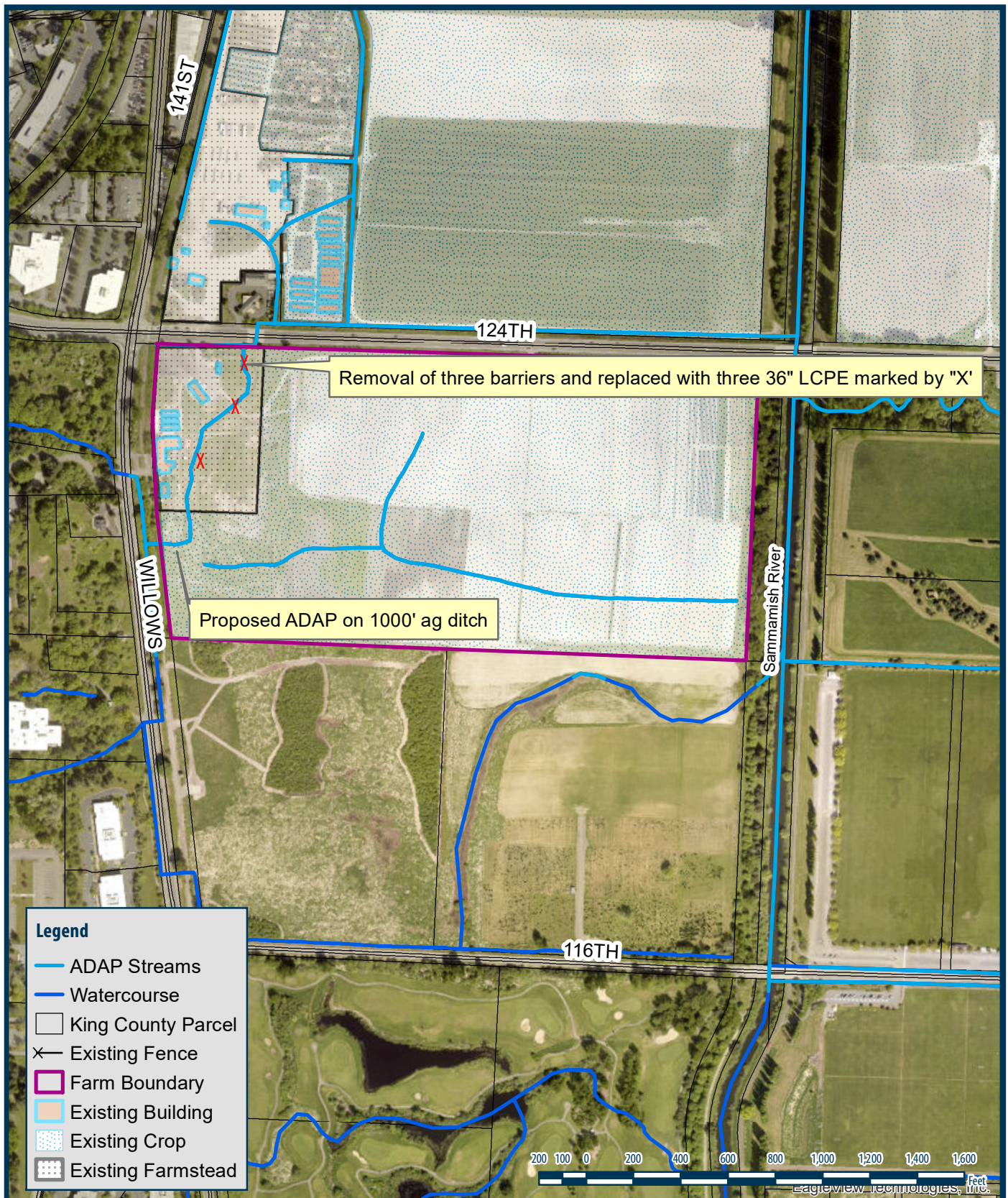
**Permits.** *Provide the following: 1) a list of all permits necessary for approval of project; 2) copies of all permits secured to date.*

One HPA permit will be applied for in May 2022 and received by June 2022.

**Operation and Maintenance.** *According to the following Washington State laws, WAC 220-110-070 and RCW 77.55.060, the owner of a road culvert, or ford that is a fish passage facility is responsible for maintaining its fish passage functions as well as maintenance of the structure. For example, The stream crossing, appurtenances, and associated fence should be inspected after each major storm event, with repairs made as needed.*

Ok, noted.

**Additional Specifications and Notes:**



Landowner Name: <b>Caspian-Cedar Grove Farm</b>		Map Type: <b>LIP Map- Culvert Install Proposal</b>	Directional: <b>SE</b>
Address: <b>12210 Willows Rd</b>		KCD Staff Name: <b>Liz Stockton</b>	Section: <b>27</b>
<b>Redmond, WA 98052</b>		Map Date: <b>May 03, 2022</b>	Township: <b>26</b>
Acres: <b>72.7</b>	Parcel #(s): <b>Multiple</b>		Range: <b>05</b>

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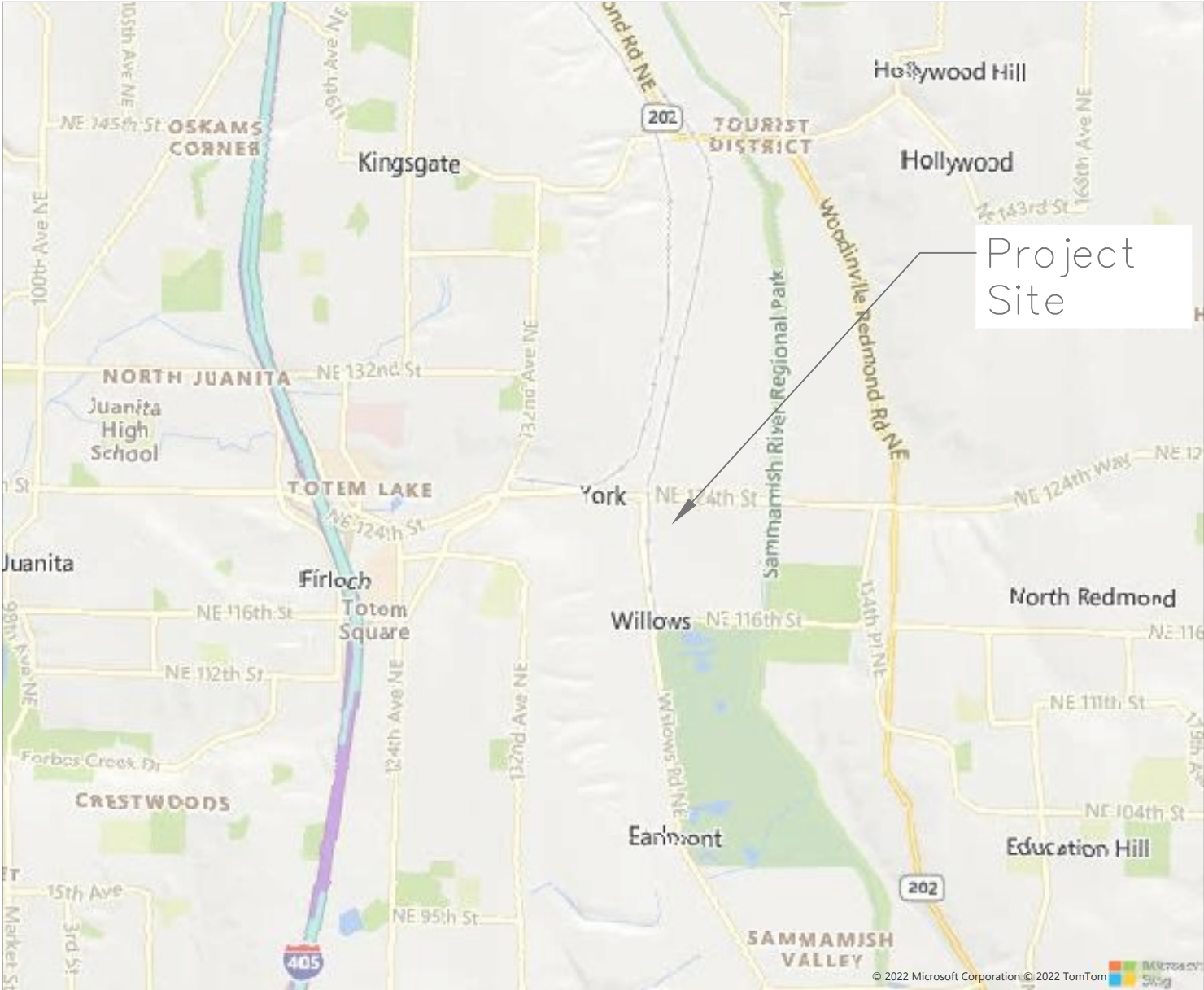
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CUNNINGHAM AGRICULTURAL WATERWAY MAINTENANCE PLAN  
KING COUNTY AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM

VICINITY MAP

INDEX



SHEET TITLE

SHEET NUMBER

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Planting Plan	7–9
Culvert Replacement Plan	10

Notes:

Total maintenance length to be included in this project is from STA 0+00 to STA 10+70. This 1,070 feet of dredging will take place in a waterway classified as High Modified. Follow up spot dredging and vegetation removal may occur within the timing limitations of the HPA.

Actual length may be more or less than total listed, and will be based on assessments made onsite at the time of excavation. The landowner is under no obligation to perform the work shown in this plan in part or whole, however any dredged reaches of channel must be planted as shown in the plans.

1. Estimated dredge volume: approximately 1,000 cubic yards (yd<sup>3</sup>).
2. Four culverts will be replaced. These culverts are not listed in WDFW’s Fish Passage Inventory (<https://geodataservices.wdfw.wa.gov/hp/fishpassage/index.html>), however, two of the existing culverts are smaller than 36” diameter and likely to be partial barriers to fish passage due to their size. The twin CMP culverts at STA 2+90 are nearing the end of their useful lives and may be partial fish passage barriers.
3. All work shall be performed in accordance with King County’s agreement for best management practices for maintenance of agricultural waterways (BMPs), the Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA), and the King Conservation District (KCD) farm plan.
4. Dredging activity may not widen the channel except existing banks may be sloped at up to 2:1 to increase stability and decrease erosion potential.
5. In–channel work will occur within the time frame allowed by the HPA.
6. Spoils may be spread on farm fields to a depth no greater than 6 inches or removed from the site and disposed of in a legal manner.
7. Fish relocation may be performed by King County, at the direction of the KC ADAP representative and with coordination by the maintenance contractor or landowner. Staffing shortages, health restrictions and other conditions may extend the timeline the county can reasonably provide resources.
8. A 1–hour pre–construction meeting, including the landowner or landowner’s representative, the maintenance contractor and a King County ADAP employee, is required prior to the start of any maintenance activities.
9. It is the contractor’s responsibility to monitor excavation elevations and ensure that maintenance dredging does not exceed historical–channel extents.
10. Native vegetation should be protected to the extent practicable.
11. The landowner is responsible for protecting the installed planting from livestock grazing and all farm activities.
12. No utilities have been located. It is the responsibility of the excavator contractor (or landowner, if no contractor is used) to locate utilities.

Legend

Plan Views

-  High Modified
-  Existing Farm Road
-  Existing Bridge
-  T/DO Sample Site (approx.)
-  Turbidity Sample Site (approx.)
-  Fish Relocation Release Site (approx.)

NOTE: Items specific to one sheet may not be included on this legend. See sheet specific legend

FIELD BOOK: _____		FEB 2018		APPROVED: L. Beck		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	Notes (1 of 2) Cunningham ADAP Sound Sustainable Farms 14017 NE 124th St Redmond, WA 98052	SHEET 2 OF 10 SHEETS 5/6/2022
SURVEYED: ELD				PROJECT MANAGER: E. Dightman					
SURVEY BASE MAP: _____				DESIGNED: E. Dightman					
CHECKED: _____				DRAINAGE INVESTIGATION NO.: 2017–0916					
NUM.	REVISION	BY	DATE						

Site History: King County ADAP has no record of performing waterway maintenance in this location. The reach of the channel from STA 0+00 to ±1200’ downstream was most recently dredged in 2019.

Fish Relocation: Relocated fish are planned to be released under the NE 124th Bridge, just downstream of STA 0+00. The upstream reach of the channel is steep and the

Expected Hydrology

Segment	Length (ft)	Dry?	Hydrology	Mapped Classification	Expected Fish Use
Tributary 1	1,070	No	Expected to have continuous flow year-round	Low Modified	No salmonids were defished during the 2019 channel maintenance project. The upstream end of the 2019 project is at the same location as the downstream end of this project. Based on this information, the likelihood of salmonid presence during maintenance is considered "Low" according to Figure 3 of "A Salmon-based Classification to Guide Best Management Practices for Agricultural Waterways Maintenance".

Culvert Design Notes (see also Sheet 10):

1. Please note that all three culverts in this project have the same design parameters and the same culvert specifications.
2. Both the No-Slope and Hydraulic Design Methodologies described in the 2013 WDFW Water Crossing Design Guidelines (WCDG) were evaluated for the crossings. The regression equation in Appendix C of the WCDG yielded a bankfull channel width of 5.5’. Based on this, the no-slope culvert diameter is calculated to be ~7’ for the three crossings. The Hydraulic method determined a 36” lined corrugated polyethylene pipe (LCPE) was adequate with a May flow velocity of 0.60 fps and a January flow velocity of 0.85 fps.
3. A 48” LCPE was selected for the crossings based on this reasoning:

3.1. The 48” LCPE is larger than needed to meet the requirements of the hydraulic design method.

3.2. The channel has been heavily modified from its natural state. The bankfull width of the existing channel is not useful for determining the size of the no-slope culvert.

3.3. The regression equation From Appendix C of the WCDG was used to determine the bankfull width. According to the WCDG, this equation was developed by using 53 high gradient (>2%), coarse bedded streams in western Washington.

3.4. The proposed culverts will be installed in a nearly flat (0.01%) channel with bed material almost entirely composed of fines (particle size less than 0.075 mm (#200 sieve)).

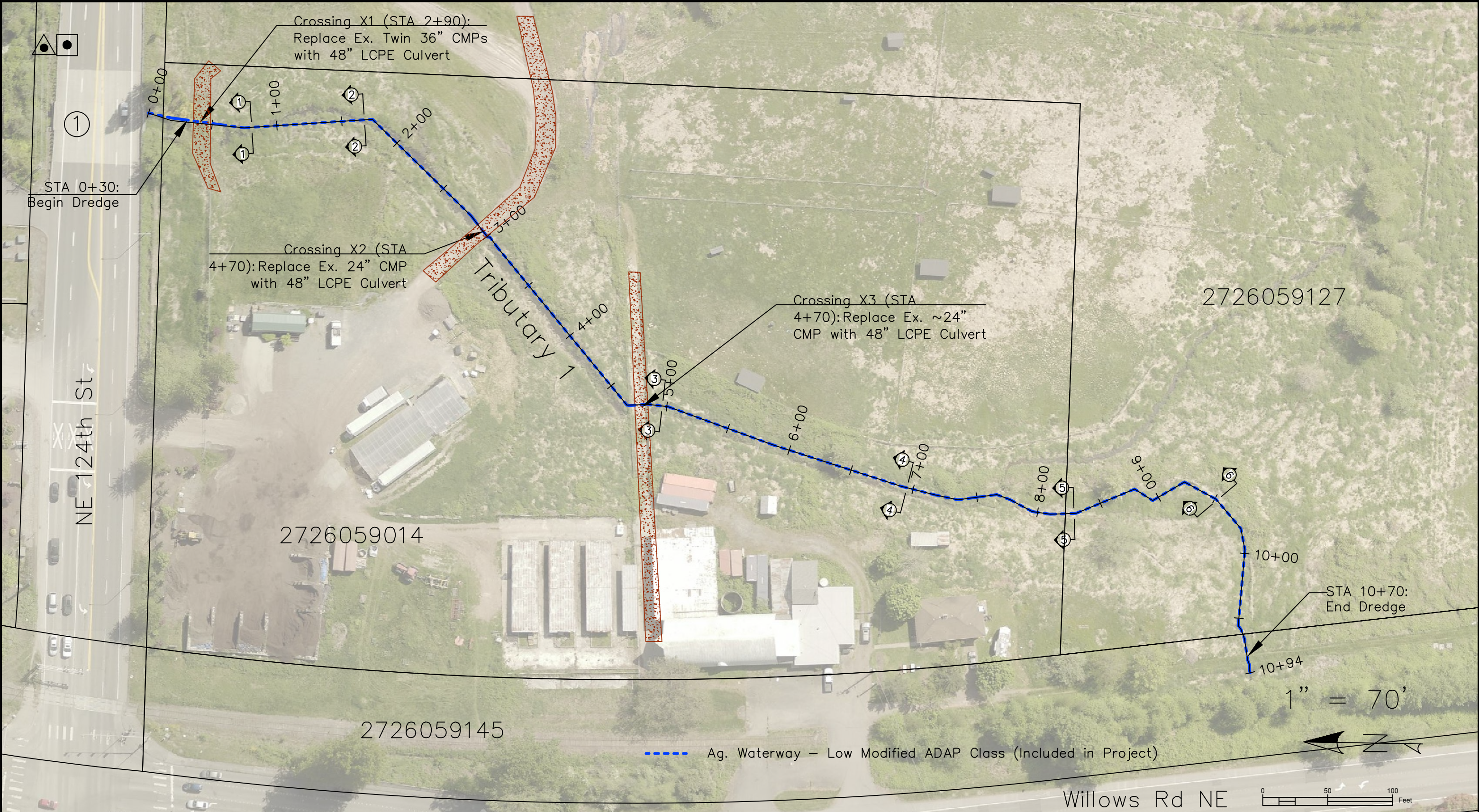
3.5. The proposed culvert diameter is 4 feet, set a grade matching the channel slope (0.1%). The culvert will be countersunk 20% such that the channel width inside the culvert will be

depth of water is expected to be low during dredging. Resilient fish species, such as Stickleback and Sculpin, may be captured and released into conditions that would not be deemed acceptable for capture/release of salmonids, with oversight by the ADAP fish relocation lead fish expert.

During the 2019 channel maintenance project downstream of the project site, 114 Stickleback and 44 salamander were relocated during the defishing process.

- slightly wider than the existing channel width of ±3 feet. The proposed culvert size of 48” results in fish passage design velocities of 1.0 ft/s or less making it very conservative with respect to fish passage. The proposed culvert is two standard pipe sizes larger than the 36” required by the hydraulic design process.
4. Approach length is based on an assumed cover depth of 24 inches.
5. Headwater values given assume that the channel topography is capable of containing this headwater depth without overtopping, Overtopping is not expected during the January or May design flow rates. Overtopping is expected for the 100-year event. The ground surface to the east of the channel bank in the vicinity of the culverts is lower than the channel bank. Flow rates approaching the 100-year event will overtop this bank and flow to the eastern field before moving downstream.





FIELD BOOK:					
SURVEYED: ELD	FEB 2018				
SURVEY BASE MAP:					
CHECKED:					
NUM.	REVISION	BY	DATE		

APPROVED: L. Beck
PROJECT MANAGER: E. Dightman
DESIGNED: E. Dightman
DRAINAGE INVESTIGATION NO.: 2017-0916



Know what's below.  
Call before you dig.



**King County**  
Department of Natural Resources and Parks  
Water and Land Resources Division  
Stormwater Services Section  
*Christie True, Director*

PLAN MAP

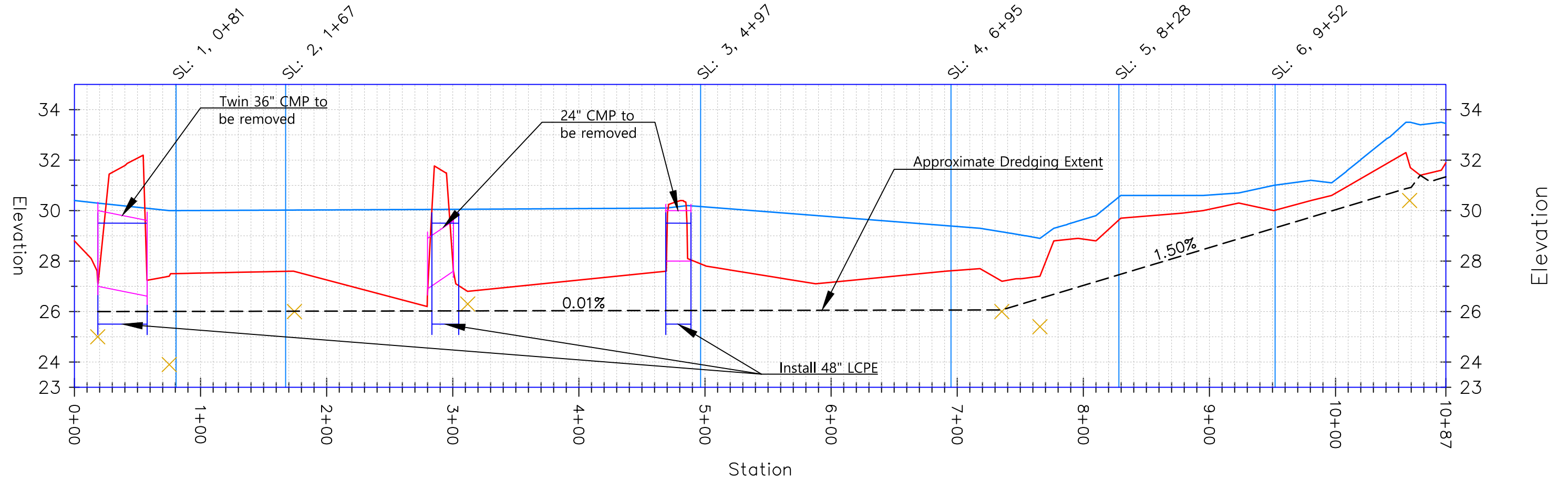
Cunningham ADAP  
Sound Sustainable Farms  
14017 NE 124th St  
Redmond, WA 98052

SHEET  
4  
OF  
10  
SHEETS

5/6/2022



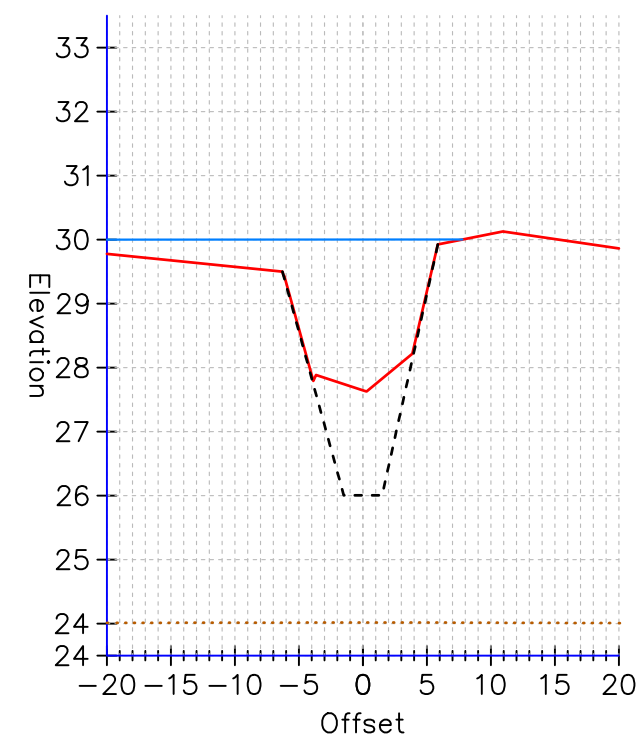
# Tributary 1 Profile



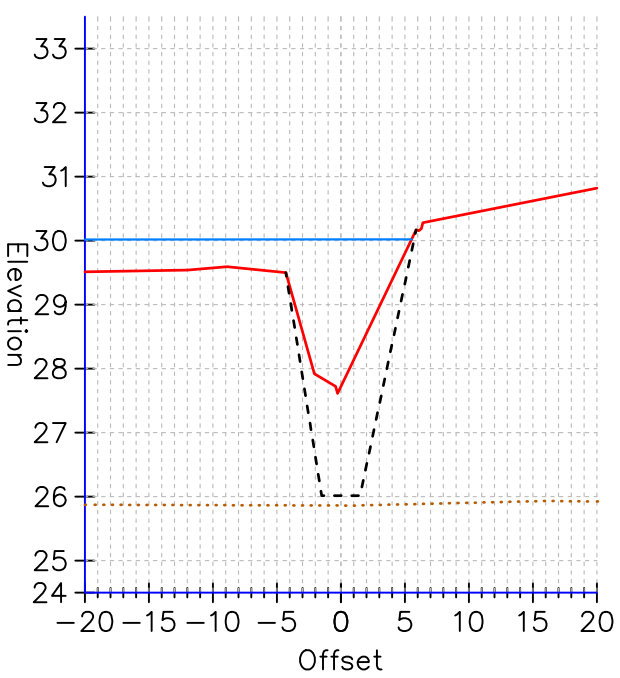
- Existing Channel Bottom
- Approximate Dredge Extents
- Water Surface (2018/02/01–2018/02/16)
- Sediment depth at probe resistance

FIELD BOOK: _____					APPROVED: _____	 <p>Know what's below. Call before you dig.</p>	 <p><b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i></p>	<p>PROFILE VIEW Cunningham ADAP Sound Sustainable Farms 14017 NE 124th St Redmond, WA 98052</p>	<p>SHEET 5 OF 10 SHEETS 5/6/2022</p>
SURVEYED: ELD	FEB 2018				PROJECT MANAGER: _____				
SURVEY BASE MAP: _____					DESIGNED: _____				
CHECKED: _____					DRAINAGE INVESTIGATION NO.: _____				
		NUM.	REVISION	BY	DATE				

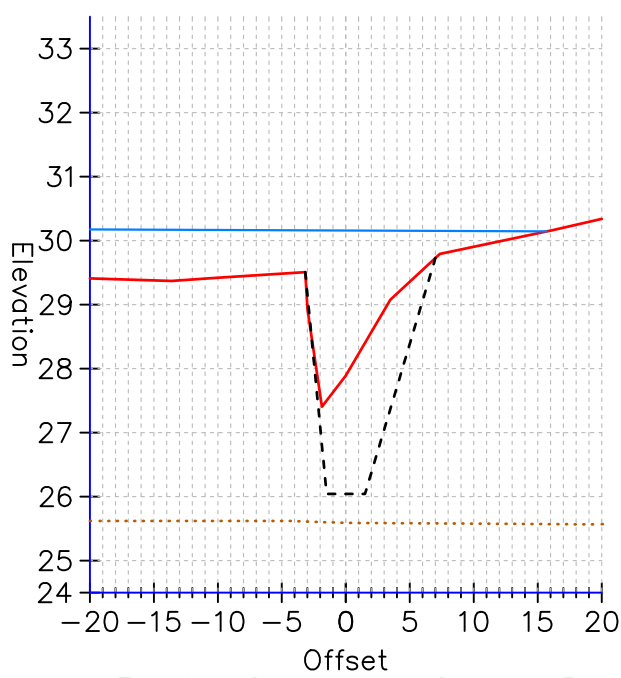
Tributary 1 X-Section SL1 (0+81)



Tributary 1 X-Section SL2 (1+67)

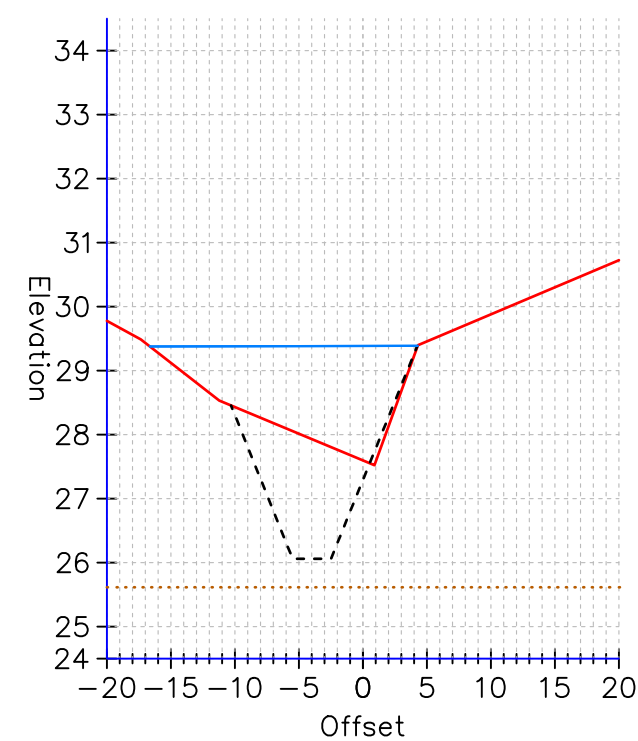


Tributary 1 X-Section SL3 (4+97)

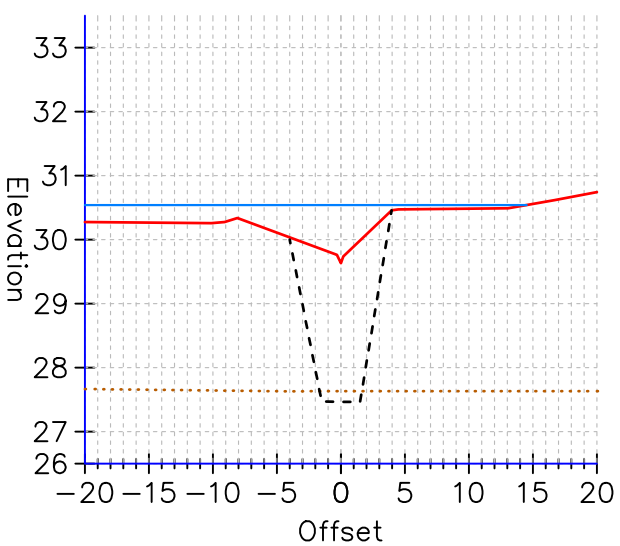


- Existing Ground and Channel Bottom
- Approximate Dredge Extents
- Water Surface (2018/02/01–2018/02/16)
- Sediment At Resistance

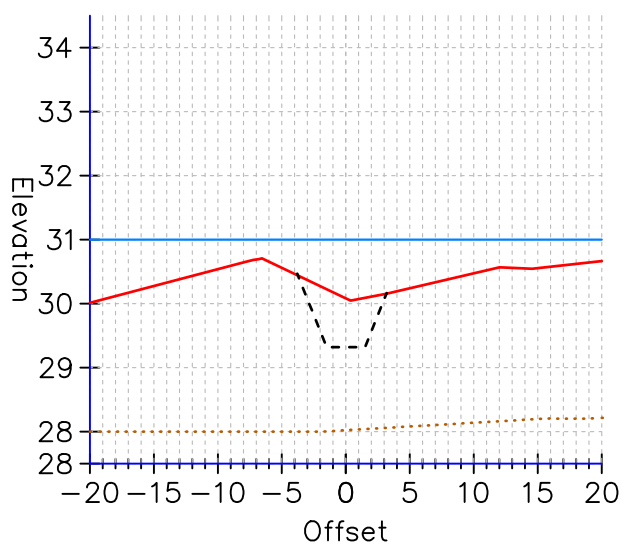
Tributary 1 X-Section SL4 (6+95)



Tributary 1 X-Section SL5 (8+28)



Tributary 1 X-Section SL6 (9+52)



1" = 15'

FIELD BOOK:					
SURVEYED: ELD	FEB 2018				
SURVEY BASE MAP:					
CHECKED:					
NUM.	REVISION	BY	DATE		

APPROVED: L. Beck  
PROJECT MANAGER: E. Dightman  
DESIGNED: E. Dightman  
DRAINAGE INVESTIGATION NO.: 2017-0916



Know what's below.  
Call before you dig.



King County  
Department of Natural Resources and Parks  
Water and Land Resources Division  
Stormwater Services Section  
Christie True, Director

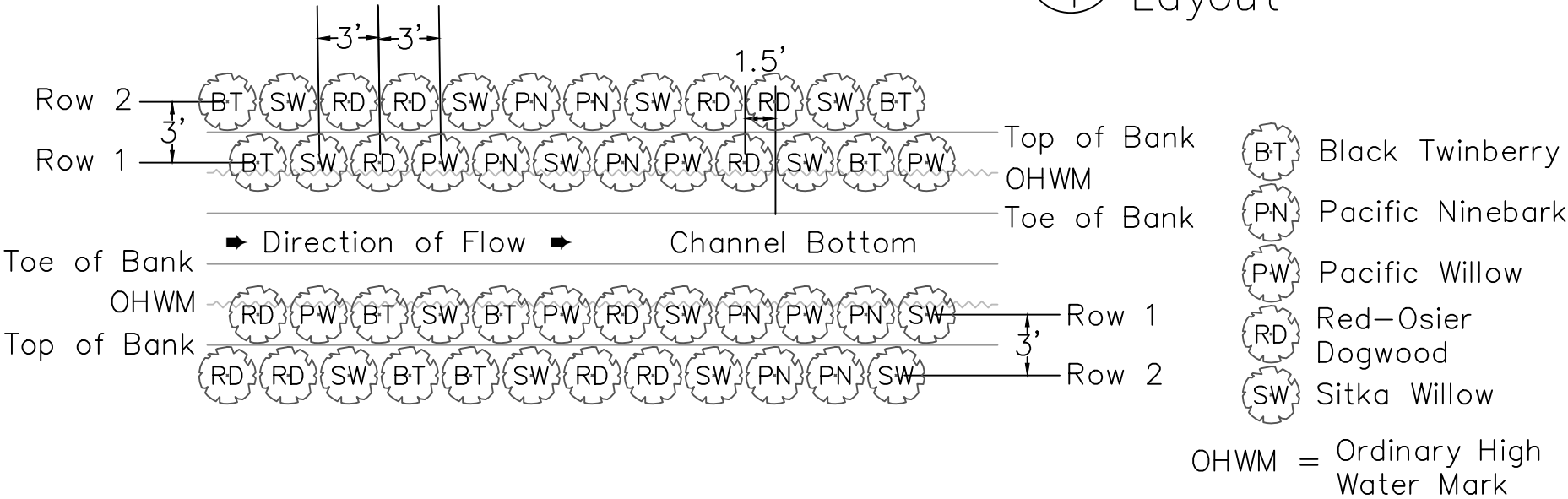
SECTION VIEWS  
Cunningham ADAP  
Sound Sustainable Farms  
14017 NE 124th St  
Redmond, WA 98052

- Notes:
1. Prior to planting, install cardboard sheeting as shown on detail 1/2.
  2. As stated on page 24 of the King County ADAP BMP Manual, the number of rows required is based on the channel classification at the time of construction (see table below). If the channel is reclassified during construction, the number of rows of plantings will be updated accordingly.

Required Plantings by Waterway Class	
Channel Classification	Required Rows of Plantings
High Modified	3
Moderate Modified, Low Modified, and High Artificial	2
Moderate Artificial	1
Low Artificial	0

3. Planting layout and species may be modified by ADAP engineer to better suit site conditions. However, the plant count required by ADAP BMP Manual shall be maintained unless otherwise approved by WDFW.
4. For plant installation specifications see 1/3 and 2/3.

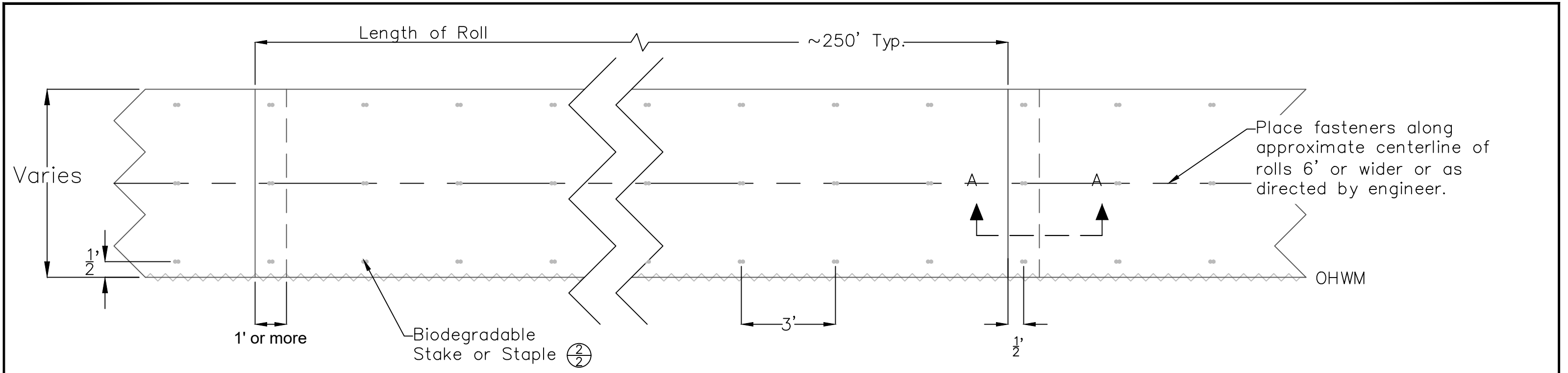
1 Willow Planting Layout



Planting Table

Plant Species	Count	Size
Black Twinberry	236	1 gal
Pacific Ninebark	236	1 gal
Pacific Willow	178	≥ 6' stake
Red-osier	356	≥ 6' stake
Sitka Willow	416	≥ 6' stake

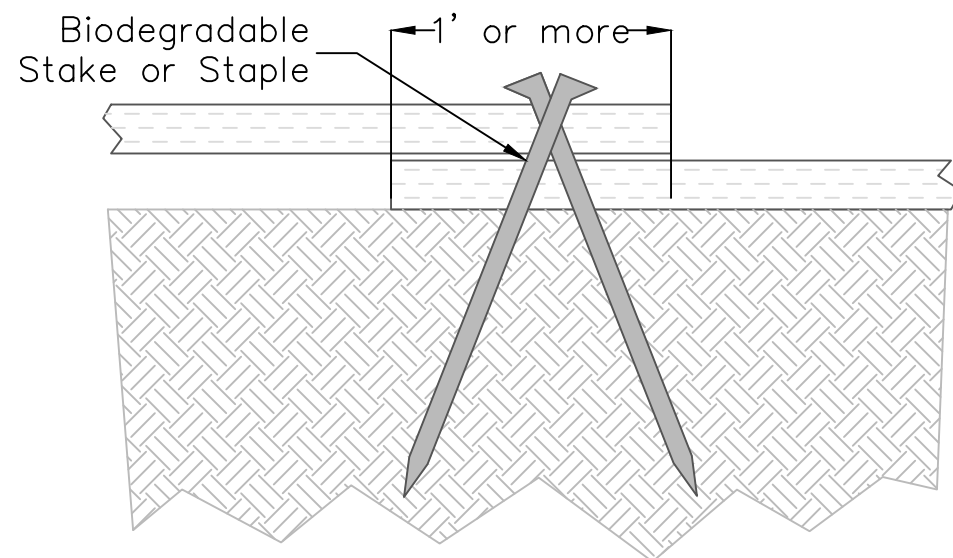
Planting Length	1,070
Sides of Channel (1 or 2)	2
Geosynthetic Fabric Length	
Waste Factor	10%
Width	6'
Minimum Length	2,354
Biodegradable Fastener Quantity	
Waste Factor	10%
Minimum Quantity	2,596




1  
2
 Typical Geosynthetic Fabric Weed Barrier Installation  
 for One to Three Rows of Plantings (NTS)

Notes:

1. Stakes must be composed entirely of wood. Other biodegradable materials may be used if approved by the engineer. The head of the stake must be wider than the shaft. The width and shape of the head must be sufficient to prevent the stake from moving when the fabric adjacent to the stake is walked upon.
2. At each staking location, two staples or stakes are driven at opposite angles until the head is just above the fabric but not puncturing it or as directed by engineer.

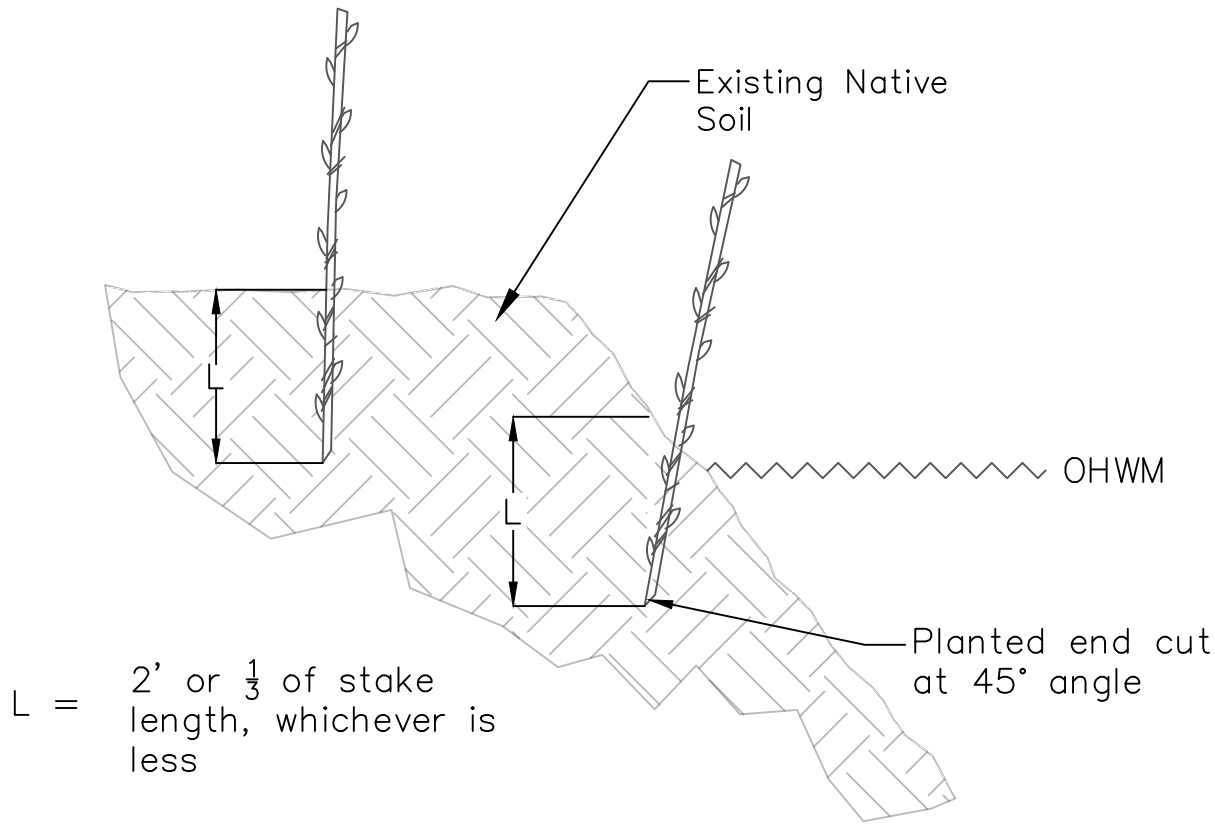


2  
2
 Fabric Installation Cross Section  
 A-A (NTS)

		—	—	ED	YYYY.MM.DD	APPROVED: <u>L. Beck</u>		FED. AID No. _____	<div>CALL 2 WORKING DAYS BEFORE YOU DIG 1-800-424-5555</div> <div>(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)</div>	<div> <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i></div>	<div>Cunningham ADAP Sound Sustainable Farms 14017 NE 124th St Redmond, WA 98052</div> <div>Weed Barrier Layout</div>	<div>SHEET 8 OF 10 SHEETS 5/6/2022</div>
FIELD BOOK: <u>n/a</u>												
SURVEYED: <u>ELD</u>	<u>FEB 2018</u>					PROJECT MANAGER: <u>E. Dightman</u>						
<u>—</u>						DESIGNED: <u>E. Dightman</u>	<u>2022.05.06</u>	PROJECT No. _____ SURVEY No. _____				
SURVEY BASE MAP: <u>n/a</u>						<u>—</u>						
CHECKED: <u>n/a</u>						DESIGN ENTERED: <u>—</u>		MAINTENANCE DIVISION No. _____				
		NUM.	REVISION	BY	DATE							

Planting Instructions:

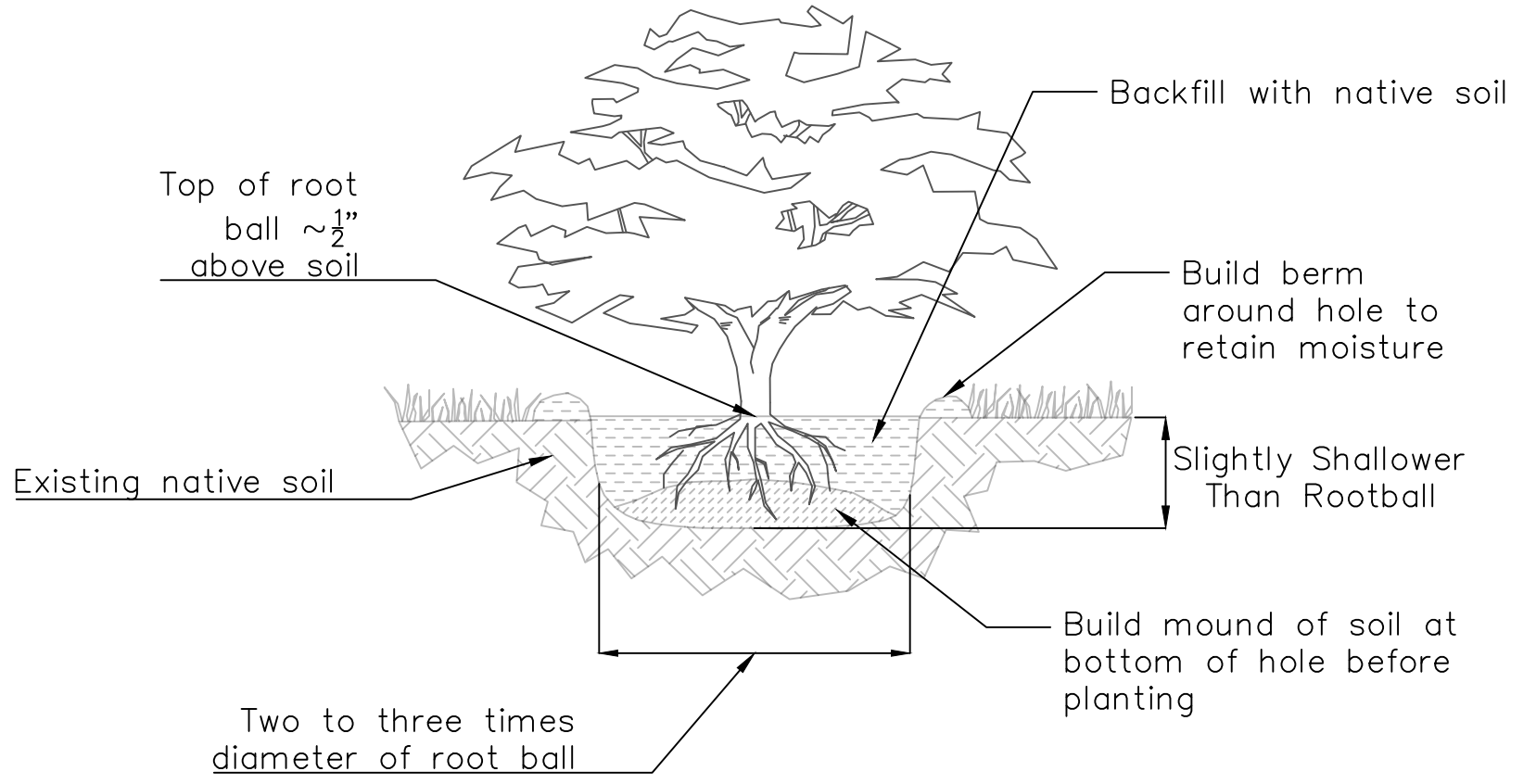
- 1. In hard ground, use steel bar, star drill, or similar to prepare pilot holes for stakes. Pilot hole shall be slightly smaller than the diameter of stake.
- 2. Plant stakes by hand.
- 3. Backfill voids around stake with a slurry of native soil and water. Collapse air pockets near all cuttings by tapping soil around the cutting base with boot.
- 4. Along the first row, slightly angle stakes toward the channel.
- 5. Try to plant stake within 24 hours of taking cutting; keep beveled end moist until planted.



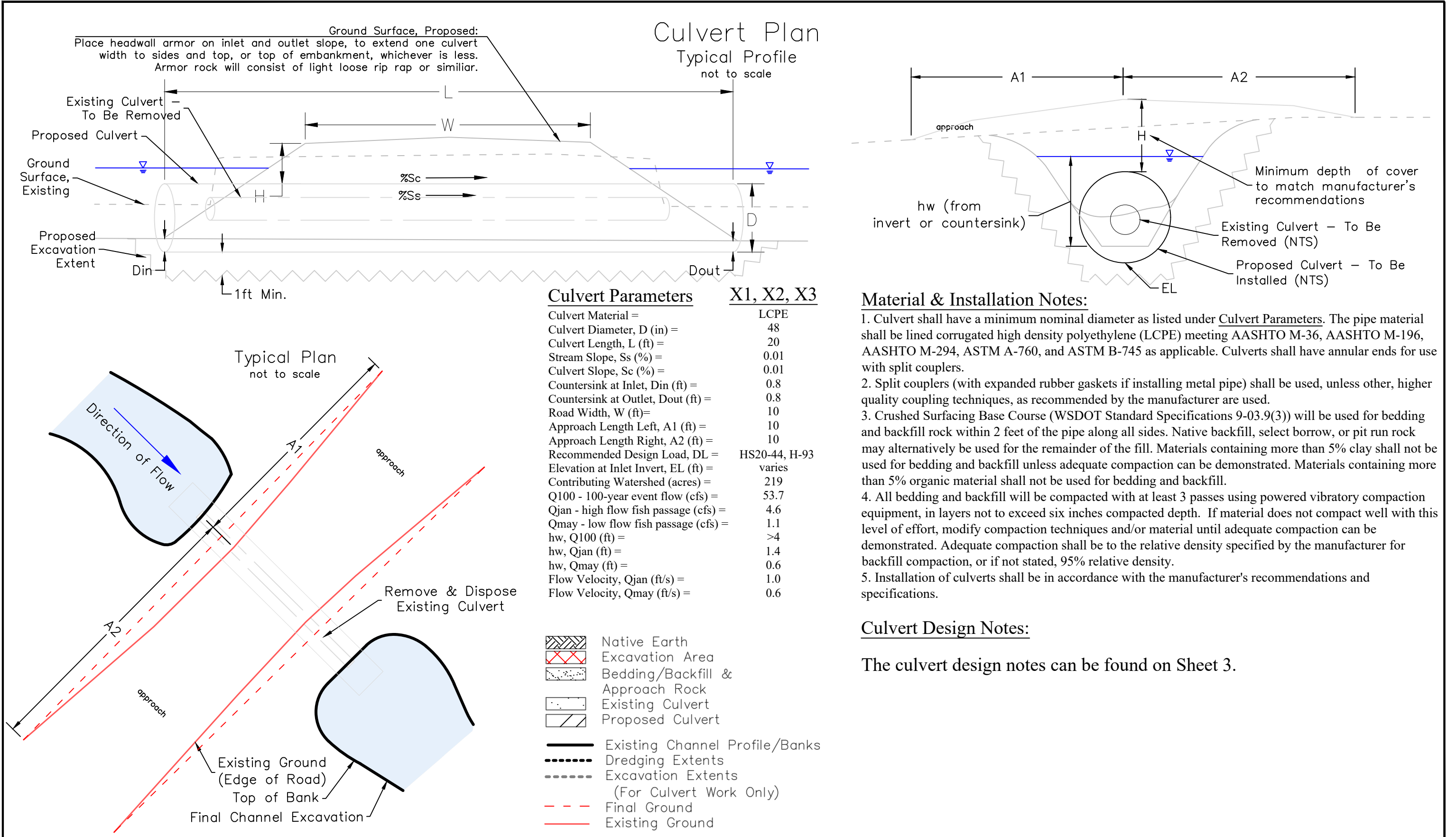
1 Typical Live Stake Planting  
3 N.T.S.

Planting Instructions:

- 1. Fill hole with water and allow to drain.
- 2. Loosen bound roots and shake off excess potting soil (not in the planting hole).
- 3. Gently spread roots over the soil mound. Roots should not circle the hole.
- 4. Place the plant so that the root flare (where the roots join the stem) is about 1/2" above the surrounding surface.
- 5. Backfill with native soil so it fills the space between the roots.
- 6. Water generously, and add more soil to fill the hole up to 1/2" below the root flare.
- 7. Create a soil berm around the planting hole to retain moisture.



2 Typical Container or Rooted  
3 Stock Planting (N.T.S.)



**Culvert Parameters**      **X1, X2, X3**

Culvert Material =	LCPE
Culvert Diameter, D (in) =	48
Culvert Length, L (ft) =	20
Stream Slope, Ss (%) =	0.01
Culvert Slope, Sc (%) =	0.01
Countersink at Inlet, Din (ft) =	0.8
Countersink at Outlet, Dout (ft) =	0.8
Road Width, W (ft) =	10
Approach Length Left, A1 (ft) =	10
Approach Length Right, A2 (ft) =	10
Recommended Design Load, DL =	HS20-44, H-93
Elevation at Inlet Invert, EL (ft) =	varies
Contributing Watershed (acres) =	219
Q100 - 100-year event flow (cfs) =	53.7
Qjan - high flow fish passage (cfs) =	4.6
Qmay - low flow fish passage (cfs) =	1.1
hw, Q100 (ft) =	>4
hw, Qjan (ft) =	1.4
hw, Qmay (ft) =	0.6
Flow Velocity, Qjan (ft/s) =	1.0
Flow Velocity, Qmay (ft/s) =	0.6

**Material & Installation Notes:**

1. Culvert shall have a minimum nominal diameter as listed under Culvert Parameters. The pipe material shall be lined corrugated high density polyethylene (LCPE) meeting AASHTO M-36, AASHTO M-196, AASHTO M-294, ASTM A-760, and ASTM B-745 as applicable. Culverts shall have annular ends for use with split couplers.
2. Split couplers (with expanded rubber gaskets if installing metal pipe) shall be used, unless other, higher quality coupling techniques, as recommended by the manufacturer are used.
3. Crushed Surfacing Base Course (WSDOT Standard Specifications 9-03.9(3)) will be used for bedding and backfill rock within 2 feet of the pipe along all sides. Native backfill, select borrow, or pit run rock may alternatively be used for the remainder of the fill. Materials containing more than 5% clay shall not be used for bedding and backfill unless adequate compaction can be demonstrated. Materials containing more than 5% organic material shall not be used for bedding and backfill.
4. All bedding and backfill will be compacted with at least 3 passes using powered vibratory compaction equipment, in layers not to exceed six inches compacted depth. If material does not compact well with this level of effort, modify compaction techniques and/or material until adequate compaction can be demonstrated. Adequate compaction shall be to the relative density specified by the manufacturer for backfill compaction, or if not stated, 95% relative density.
5. Installation of culverts shall be in accordance with the manufacturer's recommendations and specifications.

**Culvert Design Notes:**

The culvert design notes can be found on Sheet 3.

<div>FIELD BOOK: _____</div> <div>SURVEYED: _____</div> <div>SURVEY BASE MAP: _____</div> <div>CHECKED: _____</div>				<div>APPROVED: <u>L. Beck</u></div> <div>PROJECT MANAGER: <u>E. Dightman</u></div> <div>DESIGNED: <u>E. Dightman</u></div> <div>DRAINAGE INVESTIGATION NO.: <u>2017-0916</u></div>	<div> <b>Know what's below.</b> Call before you dig. (UNDERGROUND UTILITY LOCATIONS ARE APPROX.)</div>	<div> <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i></div>	<div>Cunningham ADAP Sound Sustainable Farms 14017 NE 124th St Redmond, WA 98052</div> <div>CROSSING PLAN</div>	<div>SHEET 10 OF 10 SHEETS</div> <div>5/6/2022</div>																																						
<table><thead><tr><th>NUM.</th><th>REVISION</th><th>BY</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				NUM.	REVISION	BY	DATE																																							
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**SUBJECT: 046**

Review for Approval KCD Landowner Incentive Program cost-share application from Ben Hope, for Forest Health Management, in the amount of \$16,102.35.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$317,392.86</b>
Current Request	<b>\$16,102.35</b>
Balance Remaining	<b>\$301,290.51</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Hope's own a 5 acre property in Maple Valley. The canopy consists of mature bigleaf maple and Douglas-fir with red alder as a secondary layer. The understory shrub layer is dense, diverse, and mostly native where closed-canopy conditions are present. An unmapped creek flows south-to-north along the westernmost edge of the forest, where it enters a roadside ditch and flows west into Taylor Creek and then into the Cedar River.

Invasive species are present in sections of the understory, with Himalayan blackberry concentrated in the open-canopy zones mapped where it's close to 100% cover. English holly and English ivy are also present at low levels. Overall forest health is good, with high vigor of overstory species and a diverse native understory outside of the reed canary grass in Zone A and Himalayan blackberry in Zone B.

Treatment will occur across 1.92 acres of forest, focusing on invasive species control, thinning of overstocked young red alder, and replanting with site-appropriate native tree species to revegetate treated areas. Thinning will be limited to the small stand of red alder along the unmapped creek. Species to plant include but are not limited to Douglas-fir, grand fir, western hemlock, Sitka spruce, and western redcedar. Approximately 465 seedlings will be planted under this project.

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

AI 22-0

**King Conservation District Board of Supervisors Meeting 06/21/2022**

**Agenda Action Briefing/Report AI 22- 0**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Ben Hope, for Forest Health Management in the amount of \$16,102.35.

**MOTION**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; *Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Ben Hope, for Forest Health Management, in the amount of \$16,102.35.*



# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## Section 2. Project Information

<b>Best Management Practice (BMP):</b>
<b>Project Completion Date</b> (month and year):
<b>Current Site Conditions</b> (Provide a brief summary of resource management problem addressed by BMP: also note if streams, wetlands, and steep slopes are near or within the project area):          
<b>Project Details</b> (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):          
<b>Maintenance Plan</b> (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):          

<b>Permits</b> <i>(List all permits required to complete this project):</i>  
<b>Photos:</b> Before photos must be submitted with this application.

Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? If yes, please list contract number and BMP below:	Yes	No
B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? Please describe below:	Yes	No
1. <b>King County Cost-share</b> Please list practices and date installed below:		
2. <b>NRCS EQIP (Natural Resources Conservation Service’s Environmental Quality Incentive Program)</b> Please list practices and date installed below:		
3. <b>Other</b> Please list agency and describe project:		

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant’s statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- Select this box if you intend to request partial reimbursement as the project is installed.

## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project? Yes No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- A. I understand the lifetime of the BMP is \_\_\_\_\_ years.
- B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. \_\_\_\_\_ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. \_\_\_\_\_ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. \_\_\_\_\_ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. \_\_\_\_\_ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.  
\_\_\_\_\_ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney’s fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. \_\_\_\_\_ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. \_\_\_\_\_ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_ (Initial Here)

- I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_ (Initial Here)
- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
  - b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
  - c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
  - d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
  - e. I deny KCD staff access to my property to verify BMP installation and maintenance.

- I understand KCD will provide a sign free of charge after completion of a project, and I agree that: \_\_\_\_\_ (Initial Here)
- a. I will select a visible location on my property for display of the sign and will install it.
  - b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
  - c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant	Date	Signature of Landowner (if applicant if Lessee)	Date
------------------------	------	-------------------------------------------------	------

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)	Date	
Approved for Funding (KCD Management)	Date	LIP ID:



# Landowner Incentive Program

## Applicant Budget

Cooperator: Ben Hope

Budget Items	Units	Cost
English holly treatment		\$152.00
English ivy treatment		\$886.00
Reed canarygrass treatment		\$245.00
Blackberry treatment		\$6,660.00
Planting, Zones A, B, C		\$7,875.00
Maintenance 2023-2025		\$3,700.00
Expected sales tax		\$1,951.80
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$21,469.80

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$ 21,469.80
Units	Project	1.00
Cost/Unit		\$ 21,469.80

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management	x	\$ 16,102.35
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing		
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

**Amount eligible for reimbursement**  
(based on 2015 rates)

**\$16,102.35**

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 12.00	0.75	\$ 9.00	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 40,000.00	0.75	\$ 30,000.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	acre
Cross Fencing	ft	\$ 6.00	0.5	\$ 3.00	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,100.00	0.75	\$ 825.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 1,000.00	0.75	\$ 750.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	





# JOB SHEET

## Forest Stand Improvement Tree/Shrub Site Prep & Establishment (Forest Management)

Landowner: Ben and Dieudonne Hope	Lifetime of Practice: 15 years
-----------------------------------	--------------------------------

**\*This Job sheet must be attached to your completed application**

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Site preparation	<input checked="" type="checkbox"/> Tree/Shrub establishment
<input checked="" type="checkbox"/> Tree/Shrub stand improvement	<input checked="" type="checkbox"/> Restore native plant communities
<input type="checkbox"/> Long-term erosion control and improvement of water quality	<input type="checkbox"/> Increase the quantity and quality of forest products
<input type="checkbox"/> Wildlife habitat enhancement	<input type="checkbox"/> Other

**Forest Management Practice and Details** *Provide the following: 1) attach a map delineating prescription area and sub-treatment areas if applicable; provide name and acreage features for treatment areas 2) descriptions of current stand location and conditions, stand treatment plan, plant species to be used, plant spacing, and site preparation; 3) a project management timeline from your approved Forest Stewardship Plan.*

1) Total project area: 1.92 acres  
Zone A: 0.32 acres  
Zone B: 0.70 acres  
Zone C: 0.90 acres

2, 3) See attached Scope of Work document

**Permits** *Are there any permits necessary for the project? If so, please list below and include a copy of the permit.*

All work occurring in this project falls under an approved Forest Stewardship Plan and thus no permits will be needed.

Landowner must comply with local, state and federal regulations and permitting requirements.

1) Forest landowners may need a permit from the WA State DNR for forest management activities

<http://www.dnr.wa.gov/businesspermits/forestpractices/Pages/Home.aspx>

Or

From through the Forest Practices Rules, see the King County specifics here:

<http://www.co.king.wa.us/property/permits/info/SiteSpecific/forest.aspx>

2) There may be permits needed to apply herbicide near aquatic areas of their buffer. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wq/pesticides/>

**Type and Source of Plant Material** *Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?*

Plant material will be native species adapted to the site to minimize maintenance and care.

Habitat Restoration Specialists, the contractor, will plant bareroot plants that have been sourced from the Puget Sound. If additional plant material is purchased to augment the Winter 2022 planting, that material can be bareroot, live stake, potted nursery stock or ball and burlap inventory. There are a number of local native plant nurseries where native trees, shrubs and emergents can be purchased. Refer to the attached list of native plant nurseries for local King County sources of native plant material as well as sources in the greater Puget Sound region.

**Site Preparation** *List what method(s) of site preparation will be used, who will be doing the work, when will the work be done.*

Site preparation will include a combination of weed control and thinning. Non-native/invasive species control will target Himalayan blackberry, reed canary grass, English holly, and English ivy. Specific weed control prescriptions are detailed below. Note: A permit may be required when performing weed control with or without herbicide in or near an aquatic area and its buffer.

*\*It recommended that landowners work with a professional licensed herbicide applicators for applications in sensitive areas or with difficult to remove species. It may be that some of the following formulations are only available for sale to a licensed applicator.*

*Weed Control Prescriptions:*

Himalayan & Evergreen Blackberry Control –

- *Manual control:* Mow or cut the blackberry canes to less than 1 foot in height, then grub/dig out the roots attached to the cut canes. Thorough removal of blackberry roots in this manner, while labor intensive can reduce the blackberry population and cover in the prepared area by 90 – 95%. Monitor for re-growth in the following growing seasons; dig up any re-growth.
- *Chemical Control:* An alternative control method includes herbicide. One technique involves cutting/mowing the canes and swabbing the freshly cut canes with an approved herbicide. Foliar spray of blackberry is another effective control method. It is recommended that blackberry is mowed early in the summer and sprayed on the foliar re-growth the next fall (September/October). Do not spray planted seedlings. **Always follow label rates and instructions.**

English Ivy Control –

- *Manual Control:*
- Recommended manual methods include digging and pulling. First, remove any flowering or fruiting portion within reach and bag for removal from the site. Next, hand dig and pull out all accessible portions of plants including roots. Note that all cut stems/roots must be removed from soil contact. If composting on site, use cardboard or wood to create a raised platform. Consider wearing gloves and protective clothing as ivy sap is known to cause a reaction in some individuals. Mulching an area will significantly reduce re-growth of ivy. To properly mulch, apply an 8 inch thick mulch layer. Plants should be cut and removed and then mulched, preferably with a layer of cardboard below the mulch.
- Vertical ivy is controlled by girdling. To girdle vertical vines, cut the ivy vines at shoulder height and slightly above ground level. Remove the cut ivy section from the tree. This eliminates nutrient transport from the roots of ground ivy to the leaves and stems growing into the canopy of the tree. The lower cut section of ivy stems and roots must be pulled at least 6 feet away from tree. Root and stem fragments can re-grow and must be composted in a manner similar to ground ivy.
- *Chemical Control:* Ivy leaves are waxy and difficult to penetrate with herbicides, repeat application may be necessary. **Always follow label rates and instructions.**
  - Foliar Spray: From summer to fall foliar apply a 2-5% solution of triclopyr and a nonionic surfactant, a less desirable alternative is a 2-4% dilution of glyphosate. A mixture of glyphosate and triclopyr has also been found effective (4% glyphosate, 2% triclopyr, and 2% surfactant). A winter application on a sunny day has had even better success; apply 2-5% either glyphosate or triclopyr.

- Basal Bark and Cut Stump: Cut vine close to the ground and treat freshly cut surface with 33% solution of triclopyr or glyphosate. For basal bark application, strip leaves from stem near ground level and apply 33% dilution of triclopyr or glyphosate.

#### Reed Canary Grass Control –

- *Manual Control:*
  - Mowing reed canary grass depletes carbohydrate root reserves, and if done repeatedly it will result in the thinning or death of the grass. The ideal time to mow is at or near the flowering stage. The grass should be cut as near to the ground as possible (1 inch or lower). Twice yearly mowing (in early-mid June and early October) has shown increased survivorship of native plants planted into reed canary.
  - Shading is highly effective in reducing reed canary grass stands. A dense planting of conifers, once established, is ideal for shading. Faster growing deciduous trees and shrubs, especially those that develop foliage in the early spring, combined with an under-planting of conifers can be effective. Artificial methods of shading can be used in conjunction with native plantings. Sheets of thick cardboard or landscaping fabric placed around each individual plant should be secured to the ground by long staples or stakes and covered with 5-6 inches of mulch. The combination of sheeting and mulch provides temporary suppression of the grass, allowing the desirable vegetation to thrive without competition. *Not recommended for flood prone areas.*
- *Chemical Control:* Herbicide can be effective in elimination of Reed Canary grass when properly applied. Studies show that spraying Glyphosate (the active ingredient in products such as ®Rodeo) after a stand is mown or when the grass has the minimum available carbohydrate reserves (after flowering) is an effective control method. Follow-up spraying the next year may be necessary to eliminate the remaining grass. **Always follow label rates and instructions.**

#### English Holly Control-

- *Manual Control:* Not recommended. Small plants can be dug up when the soil is moist. Regularly check area for re-growth. For larger plants cut stems and trunks as close to the ground as possible. Roots may be dug out. Be sure to stabilize soil if large quantities are disturbed. If roots are not dug up, break off any new stems as they grow back for multiple growing seasons.
- *Chemical Control:* Large holly trunks should be cut as close to the ground as possible. Immediately (within minutes) treat the cut stump with an application of triclopyr or imazapyr herbicide. An alternate technique, called frilling, involves incising deep cuts through bark into trunks at a 45 degree angle. Immediately treat the frills by pouring triclopyr or imazapyr herbicide into the cuts. Best results are achieved during periods of active growth and after full leaf expansion. Monitor for re-growth (seedlings and re-sprouting) and treat accordingly. Do not spray herbicide directly holly leaves without a surfactant, as they have a waxy layer that prevents chemicals from being absorbed. **Always follow label rates and instructions.**
- 

#### *Overstory Manipulation Prescriptions:*

**Felling:** Felling is the act of cutting down a tree. This is one of a few techniques that can be utilized to increase light penetration to the understory and remove undesirable trees from the canopy. Target species for thinning will be limited to red alder and target final spacing will be an average of 13’.

*Minimum overstory retention:* A minimum of 30% existing tree canopy project area wide will be retained.

*Pre-commercial/Non-commercial Thinning:* Thinning will be prescribed by the following stand density guide. If under planting of shade tolerant species is planned post thinning, thinning must reduce canopy cover to 30-50% where new tree seedlings will be planted.

	A	B	C	D	E
Shade Tolerance Class	Species	Minimum Reforestation Density (<2" dbh)	Young Stand Density (2-9" dbh)	Older Stand Density (≥10" dbh) Thin To:	Thin Again When:
Very Shade Tolerant	Subalpine fir	9' x 9'	9' – 11'	D + 3	D + 0
	Pacific silver fir	or	or		
	Western red cedar	538 spa	360-538 spa		
Shade Tolerant	Western hemlock	10' x 10'	10' – 12'	D + 4	D + 1
	Sitka spruce	or	or		
	Englemann spruce	436 spa	302-436 spa		
	Grand fir				
Moderately Shade Tolerant	Douglas-fir (coastal)	11' x 11' or 360 spa	11' – 13' or 258-360 spa	D + 5	D + 2
Moderately Intolerant	Douglas-fir (inland, S.I.>100)	12' x 12'	12' – 14'	D + 6	D + 3
	Ponderosa pine (S.I.>100)	or 302 spa	or 222-302 spa		
	Western white pine				
Intolerant	Red alder	13' x 13'	13' – 15'	D + 7	D + 4
	Western larch	or	or		
	Lodgepole pine	258 spa	194-258 spa		
	Black Cottonwood				
Intolerant (edaphic)	Douglas-fir (inland, S.I. 80-100) Ponderosa pine (S.I. 80-100)	14' x 14' or 222 spa	14' – 16' or 170-222 spa	D + 8	D + 5
Intolerant (edaphic-climate)	Douglas-fir (inland, S.I. <80)	15' x 15' or 194 spa	15' – 17' or 151-194 spa	D + 9	D + 6

**Care and Temporary Storage of Purchased Plant Material** *Upon receiving the plant material, where will you store it and how will you care for it?*

All plant material should be stored in a cool location and well watered prior to planting. In the case of bare root plants, inventory should be held in the source refrigerated facility as long as possible prior to planting. Bare root plants can be stored in the field for up to one to three weeks prior to planting by placing them in a shaded location where they will remain cool. Such a location should prevent freezing as well as exposure to warm temperatures. Additionally, bareroot inventory should be covered with a tarp to prevent drying. Bareroot stock that is expected to emerge from dormancy prior to planting should be "heeled" into a soil bed. To heel-in, dig a v-shaped trench to a depth that accommodates covering the seedling roots when back-filled with soil.

**Installation** Provide the following details: 1) Plant Installation Prescription: 2) Plant Protection Prescription: 3) Weed Suppression Prescription: 4) Erosion Control Prescription

*1) Plant Installation Prescription:*

Potted & Plug Inventory: Potted plant material should be shovel planted to the same depth that they grew in the pot. Plants will be well watered prior to planting. Prior to digging a hole for the plant, prepare the planting location by removing a grass sod within a 1.5 feet diameter circle, being careful to remove roots as well as above ground portions of the plant. Dig a hole for the container in the center of this cleared circle twice the size of the plant's pot. Backfill the hole with soil while using care to avoid leaving air pockets in the soil. Refer also to the attached planting instructions in *Planting Container Trees and Shrubs*.

Bareroot Inventory: Bare root seedlings should be shovel planted to the same depth that they grew in the nursery fields. Roots will remain moist once they are removed from the shipping bundles until they are planted. Roots will be placed in a natural position in the soil without being crowded or turned up. Soil will be packed firmly around the root system, leaving no air pockets. Prior to digging a hole for the plant, prepare the planting location by removing all grass sod within a 1.5-foot diameter circle, being careful to remove roots as well as above ground grass. Dig a hole for the bare root plant in the center of this cleared circle. Refer also to the attached planting instructions in *Planting Bare Root Trees and Shrubs*.

*2) Plant Protection Prescription:*

Tree Protectors (for sites where deer/elk browse is anticipated): Install Plastic Mesh or netted deer sleeves on newly planted Western Red Cedar to protect trees from deer browsing. Weave 6 ft bamboo stakes through each tube and shove at least 8 inches into the ground in order to stabilize the mesh tubes and keep them on trees. The tube must be tall enough to protect terminal bud; be sure that the terminal bud is a couple inches lower than the top of the tube. Each year the tube should be pulled up to cover the terminal bud as the tree grows. Keep tubes on until terminal bud is above the deer browse level, approximately 5 feet tall. Make sure side branches within the tube are positioned vertically to allow for successful growth.

As the trees mature, inspect them periodically for damage from deer rubbing. If rub is occurring, steps must be taken to protect trees. Effective techniques include temporarily fencing trees with woven fencing or chicken wire or installing one or two steel posts next to a tree. Flared bases on posts should be set in-line with the trunk to reduce root damage when driven in. Posts are especially effective in protecting smaller trees, and light gauge steel types 4 to 6 feet long can be used.

**Planting Project Maintenance and Monitoring** *The planting must be inspected periodically and protected from damage so proper function is maintained. The goal for the project is to reach 80% survival after 3 years. Please describe the maintenance and monitoring plan.*

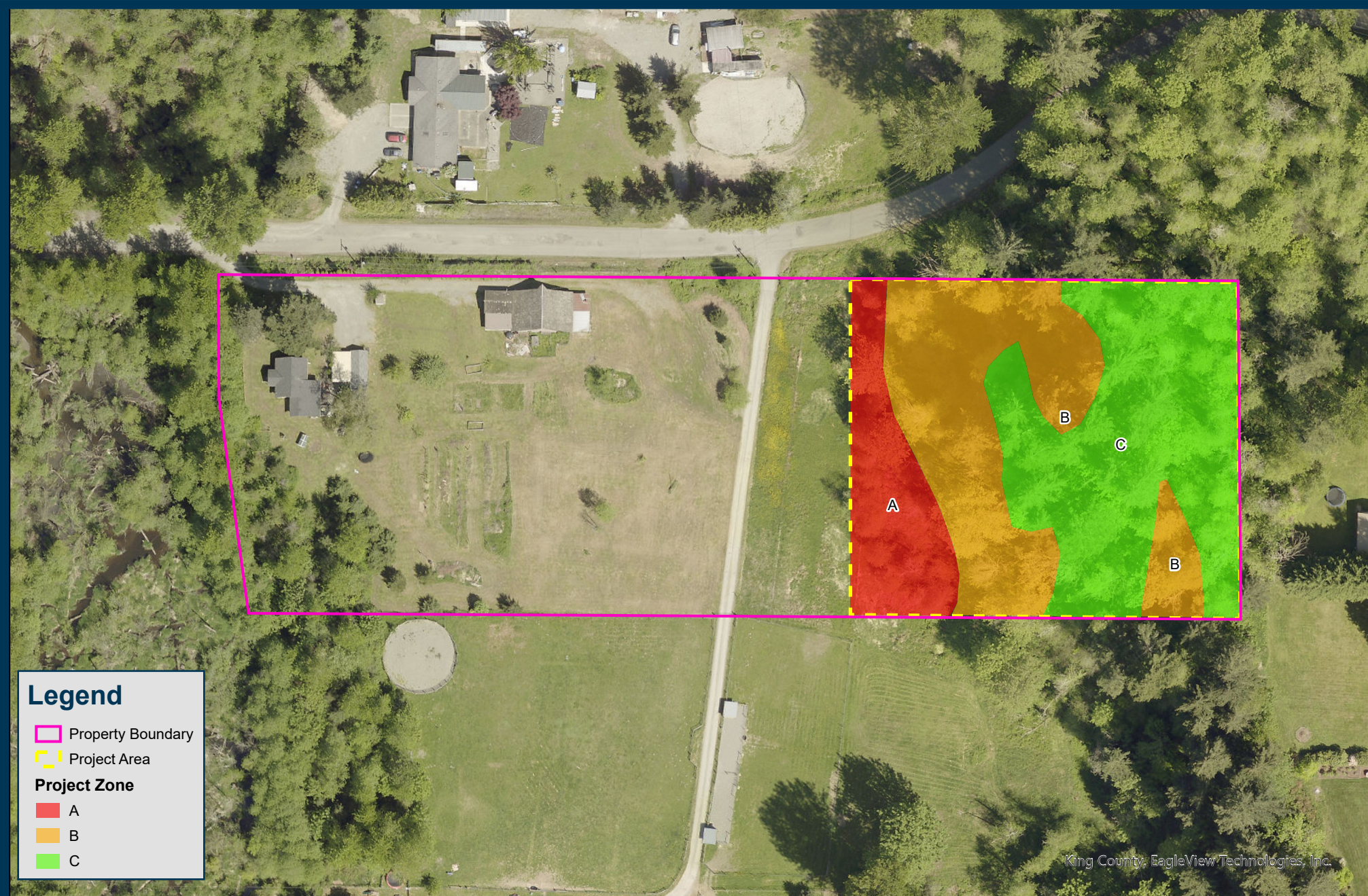
Treatments must be inspected periodically and protected from damage so proper function is maintained and resource damage is minimized, including assessment of insects, disease and other pests, storm damage, and damage by trespass. The results of inspections shall determine the need for additional treatment under this practice.

Replace dead or dying trees and shrubs and control competing vegetation to support successful establishment. Periodic application of mulch may be needed to maintain plant vigor. Periodic harvest of trees and shrubs (thinning and brushing) may be necessary to maintain the health and vigor of the stand and support its development toward more mature stand conditions. Keep large dead and dying trees for cavity nesting wildlife and bird species and as a source of downed wood in the forest understory and in adjacent or interior aquatic habitats.

Where droughty soils and hot growing conditions are anticipated, supplemental watering is recommended. In such cases the District recommends watering planted nursery stock for a minimum of 3 summers following planting. Young bare root, container, and ball/burlap plants have a reduced root system that hampers their ability to survive during the dry spring or summer months. Watering a minimum of once every two weeks during the dry summer will promote greater rates of survival. Watering once per week is preferable.

Monitor treatment areas for re-growth of non-native/invasive species and control accordingly. Utilize weed control techniques prescribed in the Site Preparation section of the Job Sheet. Species to monitor include Himalayan blackberry, reed canary grass, English holly, English ivy, and any listed King County Noxious weeds.





## Legend

 Property Boundary

 Project Area

### Project Zone

 A

 B

 C

King County, EagleView Technologies, Inc.



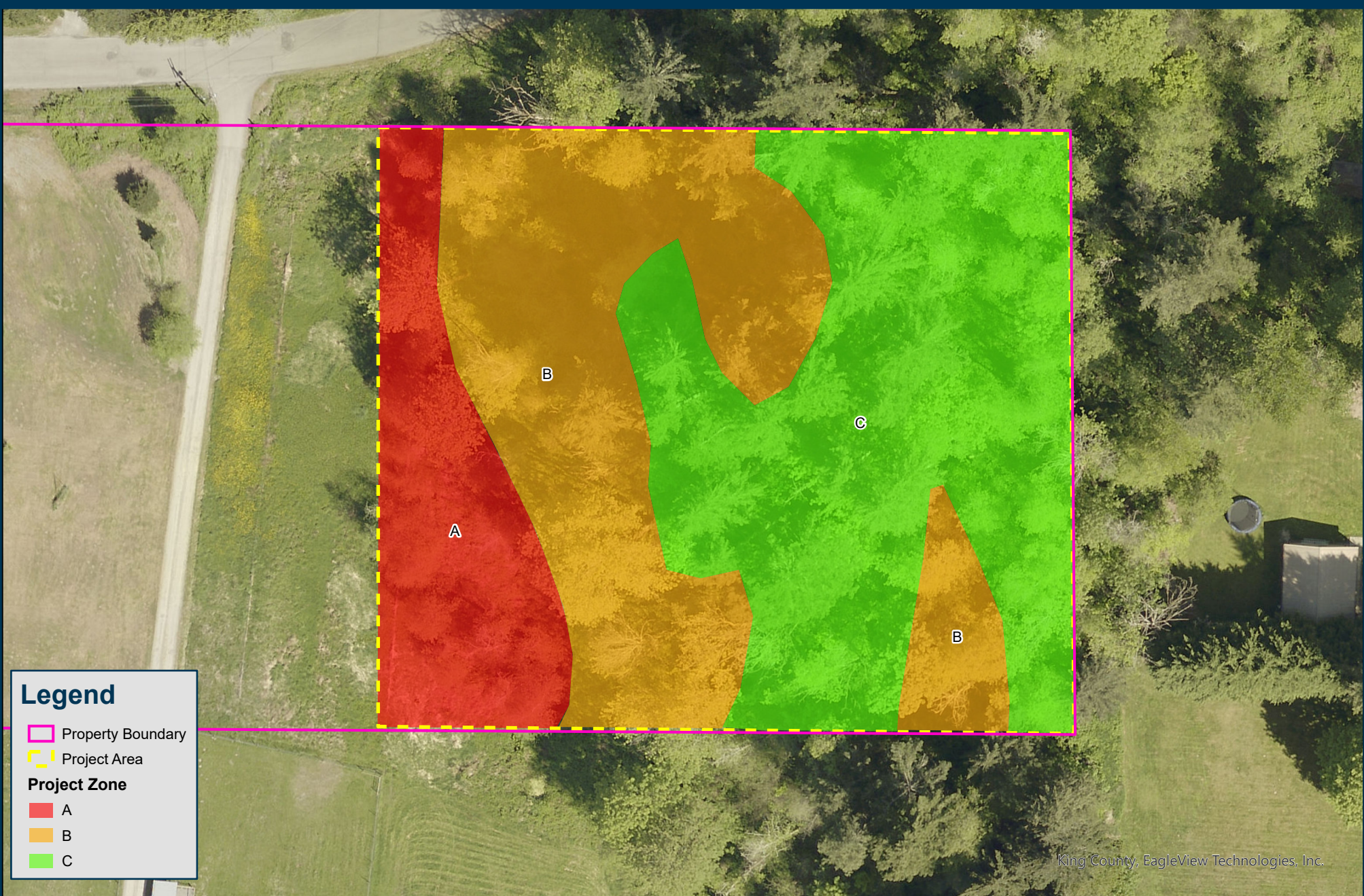
## Forest Health Management Project Map Ben and Dieudonne Hope 22621 SE 206th Street, Maple Valley, WA 98038



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KCD Planner: Brett Anderson  
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May 10, 2022





**Legend**

Property Boundary

Project Area

**Project Zone**

A

B

C



**Forest Health Management Project Map**  
**Ben and Dieudonne Hope**  
**22621 SE 206th Street, Maple Valley, WA 98038**




1:700

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KCD Planner: Brett Anderson  
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May 10, 2022



<b>Client: Benjamin Hope</b> Address: 22621 SE 206th St. Maple Valley, WA. 98038  Job Classification: Invasive Control/Planting		Prepared by Habitat Restoration Specialists, LLC. Date: 4.5.22 Phone: 206-459-0586. Email: derekb@habitatrestoration.com.co
<b>Itemized breakdown, per a site visit on 3.30.22 and a conversation regarding project scope between Derek Beauchemin and Ben Hope was determined.</b>		
Task	Cost	Task Details
English Holly Management	\$152.50	This task will include the injection of large stemmed holly trees utilizing EZ Ject lance treatments and either manual removal via weed wrench or cut and paint of stems. All removed holly plants will be either left on site to dessicate with no ground contact. Summer 2022.
Blackberry Management	\$6,660.00	Blackberry populations throughout the project site boudaries will be initially knocked down then followed up with a chemical treatment 6 to 8 weeks post knockdown, depending upon growth vigor. Knocked down blackberry populations will be left on site to compost. Summer/Fall 2022.
English Ivy Management	\$886.00	This task will include the chemical treatment of all ground ivy when not interspersed within healthy native plant populations. Ivy growing within native plant populations will be removed by hand and left to dessicate on site with no ground contact. Summer/Fall 2022.
Planting in Zones A-C	\$7,875.00	This task will entail the installation of 465 trees throughout these Zones. Scope of work has breakdown per zone. Species to be installed will include but not limited to Western red cedar, Grand fir, Douglas-fir and Sitka spruce. Tree sizes will be a mix of 2-gallon and bare root species to stagger the sizes and age class of the installations. Each of the bare root trees will have Rigid brand tree tubes with bamboo stakes and zip ties installed around each of these trees. After the end of three years these tubes will be removed unless earlier removal is seen as prudent for the trees health. Fall 2022/Winter2023.
Reed canarygrass Management	\$245.00	This task will include the chemical treatment of all Reed canarygrass growing within the project site. Treatment methods will be with the utilization of herbicides throughout the entire population of grass. Off target damage will be managed to be minimal but even with care the nature of canarygrass treatment and the growth pattern within other neighboring plants makes it impossible to reduce this possibility to zero. Spring/Summer 2022.
Maintenance	\$3,700.00	This task will take place over the years 2023-2025 and will include the continued control of the above mentioned species mainly through chemical treatments and if needed hand removal of targeted species. This task will also include a cost to replace dead or struggling tree species to the tune of 20% over the first year and 15% over the following 2 years to maintain an 80% minimum survivorship. These replacement trees will be 2 gallon sized. This portion of the maintenance budget will only be utilized if tree replacement is required to maintain required survivorship.
Project estimate:		<b>\$19,518.50</b>

- WA State sales tax not included and will be included at invoicing























**Agenda Action Briefing/Report AI 22- 0 47****SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Todd McKittrick, for Stream Crossing in the amount of \$36,000.00

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$353,392.86</b>
Current Request	<b>\$36,000.00</b>
Balance Remaining	<b>\$317,392.86</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The McKittrick Infiniti Ranch is located in the Snoqualmie sub-basin and the Snoqualmie River makes up the western property line of the property. Griffin Creek also bisects the farm, flowing from south to north. Some wetlands are on the property and are currently being mapped by a private consultant. Griffin creek is part of an alluvial fan system that was dredged regularly in the past to maintain adjacent farmlands. An avulsion in Griffin started at least four years ago and has caused the loss of productive farmland, nutrients in surface water from livestock manure, and outflowing of migrating salmonids into pastures. The adjacent pastures are severely degraded from compaction, invasive reed canary grass, and over-grazing. The landowners have not had enough time in between flood seasons to restore the pastures due to the avulsion in Griffin. The existing bridge structure is exacerbating these issues by impeding flow downstream to the Snoqualmie River. The current bridge girders are undersized and misplaced. As a result, surface water is scouring the creek bed at the bridge site as the water is forced through too small of a space. Water is forced to go around and outside of the creek bed that in turn causes the road to washout and bridge decking to buckle. Many fish biologists from local tribes, WDFW, and SVWID agree that this is causing a serious salmonid loss as the creek pours into the adjacent pastures.

This project will install a stream crossing provides access to a pasture for livestock where there is fencing to restrict livestock from accessing watercourses. The bridge was not set high enough or long enough over the creek initially. The new bridge has been designed at 35' long and 12'. It is made of concrete panels and will sit on Eco-blocks.

This Stream Crossing BMP is part of a larger project to address drainage concerns on the McKittrick property and neighboring farms. The neighboring Full Circle farm just to the south has lost over 15 acres of high value organic crop production as a result of the ongoing avulsion. The Infiniti farm is close to 50 acres with approx. 20 acres unusable right now due to the avulsion. Because Griffin Creek is identified as a Shoreline of the State, streamlined KC ADAP cannot be applied to this project. The landowner is also allowing a 50' wide buffer along their length of Griffin creek.

**King Conservation District Board of Supervisors Meeting 06/21/2022**  
**Agenda Action Briefing/Report AI 22- 0**

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Todd McKittrick, for Stream Crossing in the amount of \$36,000.00.

**MOTION**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; *Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Todd McKittrick, for Stream Crossing, in the amount of \$36,000.00.*

# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## Section 2. Project Information

<b>Best Management Practice (BMP):</b>
<b>Project Completion Date</b> ( <i>month and year</i> ):
<b>Current Site Conditions</b> ( <i>Provide a brief summary of resource management problem addressed by BMP: also note if streams, wetlands, and steep slopes are near or within the project area</i> ):          
<b>Project Details</b> ( <i>Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.</i> ):                      
<b>Maintenance Plan</b> ( <i>Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.</i> ):                      



<b>Permits</b> <i>(List all permits required to complete this project):</i>  
<b>Photos:</b> Before photos must be submitted with this application.

Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? If yes, please list contract number and BMP below:	Yes	No
B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? Please describe below:	Yes	No
1. <b>King County Cost-share</b> Please list practices and date installed below:		
2. <b>NRCS EQIP (Natural Resources Conservation Service’s Environmental Quality Incentive Program)</b> Please list practices and date installed below:		
3. <b>Other</b> Please list agency and describe project:		

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant’s statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- Select this box if you intend to request partial reimbursement as the project is installed.

## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project? Yes      No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- A. I understand the lifetime of the BMP is \_\_\_\_\_ years.
- B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. \_\_\_\_\_ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. \_\_\_\_\_ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. \_\_\_\_\_ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. \_\_\_\_\_ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.  
\_\_\_\_\_ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney’s fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. \_\_\_\_\_ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. \_\_\_\_\_ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_ (Initial Here)

- I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_ (Initial Here)
- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
  - b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
  - c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
  - d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
  - e. I deny KCD staff access to my property to verify BMP installation and maintenance.

- I understand KCD will provide a sign free of charge after completion of a project, and I agree that: \_\_\_\_\_ (Initial Here)
- a. I will select a visible location on my property for display of the sign and will install it.
  - b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
  - c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant	Date	Signature of Landowner (if applicant if Lessee)	Date
------------------------	------	-------------------------------------------------	------

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)	Date	
Approved for Funding (KCD Management)	Date	LIP ID:



## Landowner Incentive Program Applicant Budget

Cooperator: McKintrick

Budget Items	Units	Cost
Stream Crossing bridge	45.00	\$65,000.00
Machinery Rental (not personally owned equipment)		\$0.00
	<b>Subtotal</b>	<b>\$65,000.00</b>

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
<b>Subtotal</b>	<b>0.00</b>	<b>\$ -</b>

Project Totals		
<b>Total Cost</b> (Budget Items + In Kind Labor/Machinery)		<b>\$ 48,000.00</b>
Units	Linear Feet	26.67
Cost/Unit		\$ 1,800.00

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management		
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing	x	\$ 36,000.00
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

**Amount eligible for reimbursement**  
(based on 2015 rates)

**\$36,000.00**

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 12.00	0.75	\$ 9.00	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 40,000.00	0.75	\$ 30,000.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	acre
Cross Fencing	ft	\$ 6.00	0.5	\$ 3.00	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,800.00	0.75	\$ 1,350.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 1,000.00	0.75	\$ 750.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	





Local Food  
Healthy Forests  
Clean Water  
Better Ground

## Job Sheet Stream Crossing

Cooperator: McKintrick/ Infinity Ranch	Lifetime of Practice: 10 years
----------------------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Reduce streambank and streambed erosion.	<input checked="" type="checkbox"/> Provide crossing for access to another land unit.
<input checked="" type="checkbox"/> Improve water quality by reducing sediment, nutrient, organic, and inorganic loading of the stream.	<input checked="" type="checkbox"/> Remove a fish passage barrier in combination with installing fish passable crossing structure.

**Summarize the Project Proposal.** *Provide the following: 1) describe project activities, including permitting, site prep, installation, and maintenance and monitoring; 2) describe the anticipated project outcome (e.g. fish and wildlife benefits, other environmental benefits); and 3) outline the project implementation timeline.*

- 1) This project is part of KC ADAP and new KC IDP (Integrated Drainage Program) services. This is not a streamlined ADAP project. This is part of a project to repair an avulsion of Griffin Creek that has been flooding three ag properties for over four years. Project activities [associated with this LIP cost-share contract](#) will include removing and replacing a bridge structure that is blocking conveyance of surface water and is no longer safe for farm equipment or livestock to use. [The overall project work](#) will also include the removal of gravel from Griffin creek, and a large buffer planting. Permits required for this project and that are underway are WDFW HPA, KC Clearing & Grading, and KC Floodplain Development permit. A new 45'x12' concrete bridge will be installed with concrete block abutments. Maintenance and monitoring of this bridge is recommended annually or as needed on private property.
- 2) The bridge replacement is a necessary because the current bridge is undersized and is blocking the flow path of Griffin creek. During seasonal flooding or heavy rain, Griffin creek is forced through a small opening under the bridge and has severely scoured out the creek. Flood waters are also dispersing out and around the bridge and washing out the farm road. The avulsion project will stop the outflow of several hundred migrating juvenile salmonid per year into the pasture where they become stuck and eventually die. Several observations have been documented by local tribes, WDFW, and SVWID fish biologists that account for these significant losses of mostly juvenile Coho found in the pasture. Also, after the avulsion is repaired, a 50' native buffer will be planted along griffin creek as well as several pieces of large woody debris in the creek for increased salmon habitat.
- 3) Griffin creek is classified as a modified ag ditch by King County in the section starting at Snoqualmie river all the way to Rte 203. It is also considered a shoreline of the state and therefore; cannot go thru regular ADAP. Permitting is being handled by KC ADAP Stormwater services with work scheduled to begin in September 2022. The bridge structure will be delivered to the site by September 2022. The avulsion project will begin first and then the bridge will be installed. All work below the OHWM will be complete by Sept. 30<sup>th</sup>, 2022. Bridge decking work can continue past this deadline if anything else needs to be done. Buffer plantings to be installed by spring of 2023.

**Describe Project Area.** *Provide the following: 1) extent of project area above and below ordinary high water mark; 2) dimensions of site; and 3) briefly describe the existing vegetation and habitat conditions.*

- 1) All dredging work and bridge footing work will be done below the OHWM. Bridge Decking work will be out of the OHWM.
- 2) The new bridge will be 45' x 12' concrete slab and will connect the farm to 20 acres of pasture to the west.
- 3) Existing vegetation consists mostly of Reed canary grass with habitat extremely wet and compacted from hooves and equipment.

**Name and type (S, F or N, wetland I, II, or III) of waterway to be crossed.**

Griffin Creek is a salmon bearing watercourse. King county classifies this stretch of Griffin from the Snoqualmie river to rte 203 as a modified ag ditch.

**Land Uses and Associated Impacts.** *Provide the following: 1) describe how the property is used (e.g., residential, commercial, recreational); 2) describe adjacent properties, including land uses and any potential adverse impacts to adjacent properties associated with the proposed project.*

- 1) This property is used as farmland primarily.
- 2) Adjacent properties include Full Circle Farm that is certified organic since 2003. Full Circle farm has continually lost acreage to the Griffin Creek avulsion for several years. Current loss of farmland is estimated at 15 acres of high value organic crop production. Another property is a residence that could receive flood waters in 2023 if this project is not completed.

**List the intended use (people, livestock, equipment, or vehicles).** *Also include the stream crossing dimensions and project materials. Please attach an engineer approved design.*

Livestock pasture. Concrete bridge will be 45'x12'. Footing will be made of Eco-blocks that are concrete.

**Grading and Demolition Activities.** *Describe the plan to remove structures (failing culvert, etc.) and grade project areas, including specific construction methods and equipment to be used.*

An excavator will remove old bridge after site is dewatered and defished. New concrete abutments will be installed as footings. Bridge entrance and exit will be graded per engineer's plans. Excavator with thumb implement will pick up bridge decking to be placed and attached to abutments using rebar. Livestock guardrails will be installed.

**Habitat Restoration Activities.** Provide the following that apply: 1) describe site preparation activities (e.g. weed control, substrate to be applied, soil amendment to used); 2) identify the type and source of plant materials (e.g. potted, bareroot, ball and burlap and native plant nurseries providing plant material; 3) describe the care and temporary storage of plant materials; 4) describe installation plan (e.g. planting plan, installation techniques, sheet mulching, etc.); 5) describe maintenance and monitoring plan (e.g. number of years to be conducted, survival data collection, etc.).

- 1) Excavator will remove all invasives along griffin where access is needed to remove gravels. Weed fabric will be placed down along griffin after dredging is complete.
- 2) Native hedgerow buffer will be installed at 50'. This will be a mix of bareroot and potted native plants.
- 3) KC ERES/ADAP will lead planting be responsible for the storage of plant materials. I am not aware of how they store plant materials.
- 4) Planting plans will include a 50' buffer with each plant at 2' off center. Plants will be placed into weed fabric barrier.
- 5) Maintenance and monitoring will be for 3 years.

**Commented [LR1]:** Please differentiate between the larger ADAP project and the stream crossing – buffer planting of 50 ft, dredging that is not required for stream crossing install are not part of Stream Crossing BMP. Please see how you laid out Remlinger Jobsheet and how Jay laid out Devries Jobsheet to differentiate.

**Permits.** Provide the following: 1) a list of all permits necessary for approval of project; 2) copies of all permits secured to date.

1. WDFW HPA, KC Clearing & Grading, and KC Floodplain Development permit (all in process)
2. No permits secured yet

**Operation and Maintenance.** According to the following Washington State laws, WAC 220-110-070 and RCW 77.55.060, the owner of a road culvert, or ford that is a fish passage facility is responsible for maintaining its fish passage functions as well as maintenance of the structure. For example, The stream crossing, appurtenances, and associated fence should be inspected after each major storm event, with repairs made as needed.

OK, duly noted. Maintenance of the crossing will be the responsibility of the property owners to visually inspect for sediment accumulation and structural integrity.

**Commented [LR2]:** I edited this to read from another sheet you had filled out – this is for cooperators, partners, contractors etc to read as well as internal staff

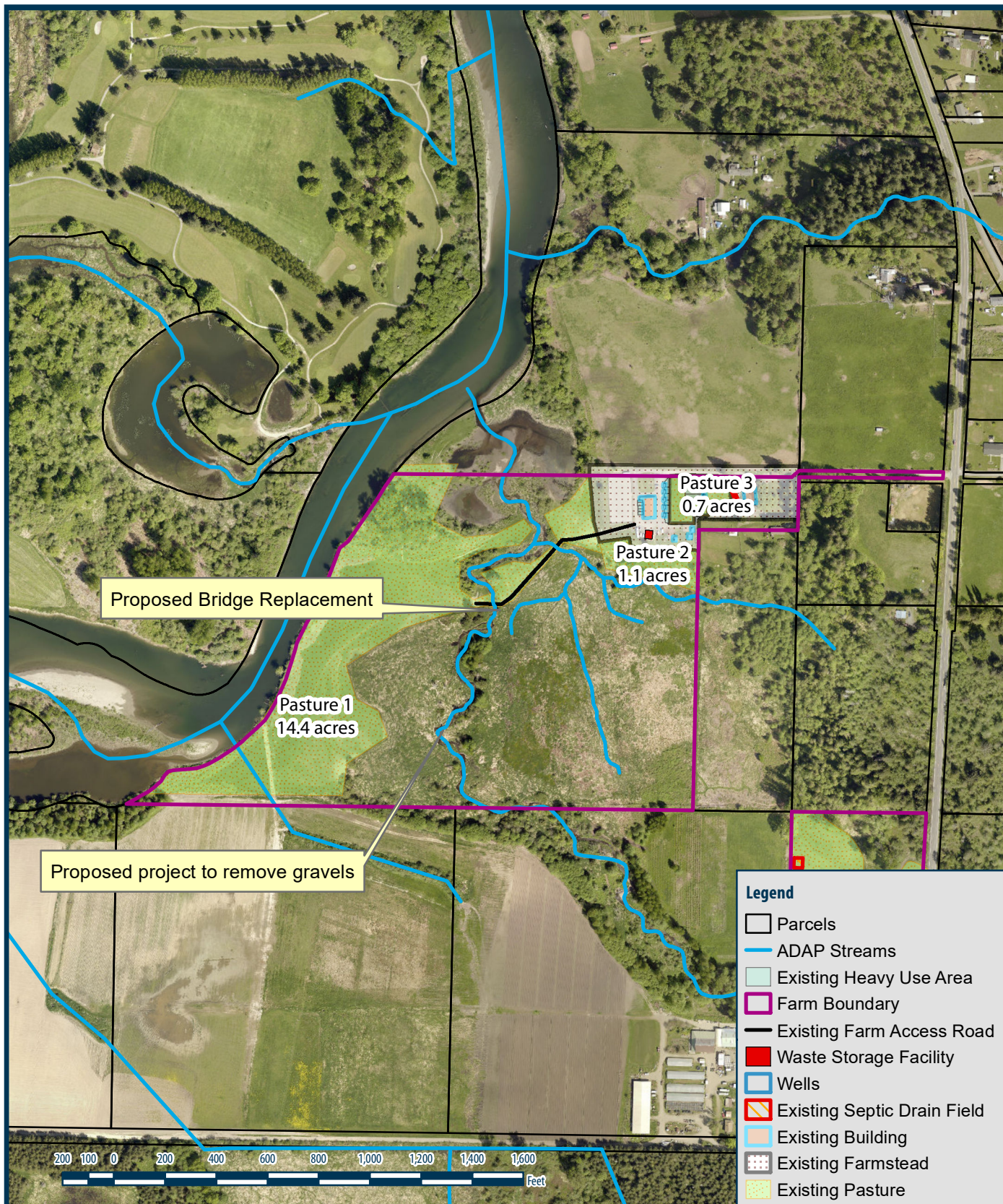
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**Additional Specifications and Notes:**









Landowner Name: <b>Todd McKittrick</b>		Map Type: <b>LIP- Farm Access Stream Crossing</b>	Directional: <b>NW</b>
Address: <b>31919 NE 16th St</b>		KCD Staff Name: <b>Liz Stockton</b>	Section: <b>28</b>
<b>Carnation, WA 98014</b>		Map Date: <b>May 03, 2022</b>	Township: <b>25</b>
Acres: <b>49.8</b>	Parcel #(s): <b>282507-9022</b>		Range: <b>07</b>

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1:6,500



GRIFFIN CREEK ALLUVIAL FAN PROJECT  
 KING COUNTY AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM

VICINITY MAP



SHEET TITLE

SHEET NUMBER

Cover Page	1
Site Plan	2
Grading Plan	3
Profiles	4–5
Sections	6–7
Details	8

LEGEND

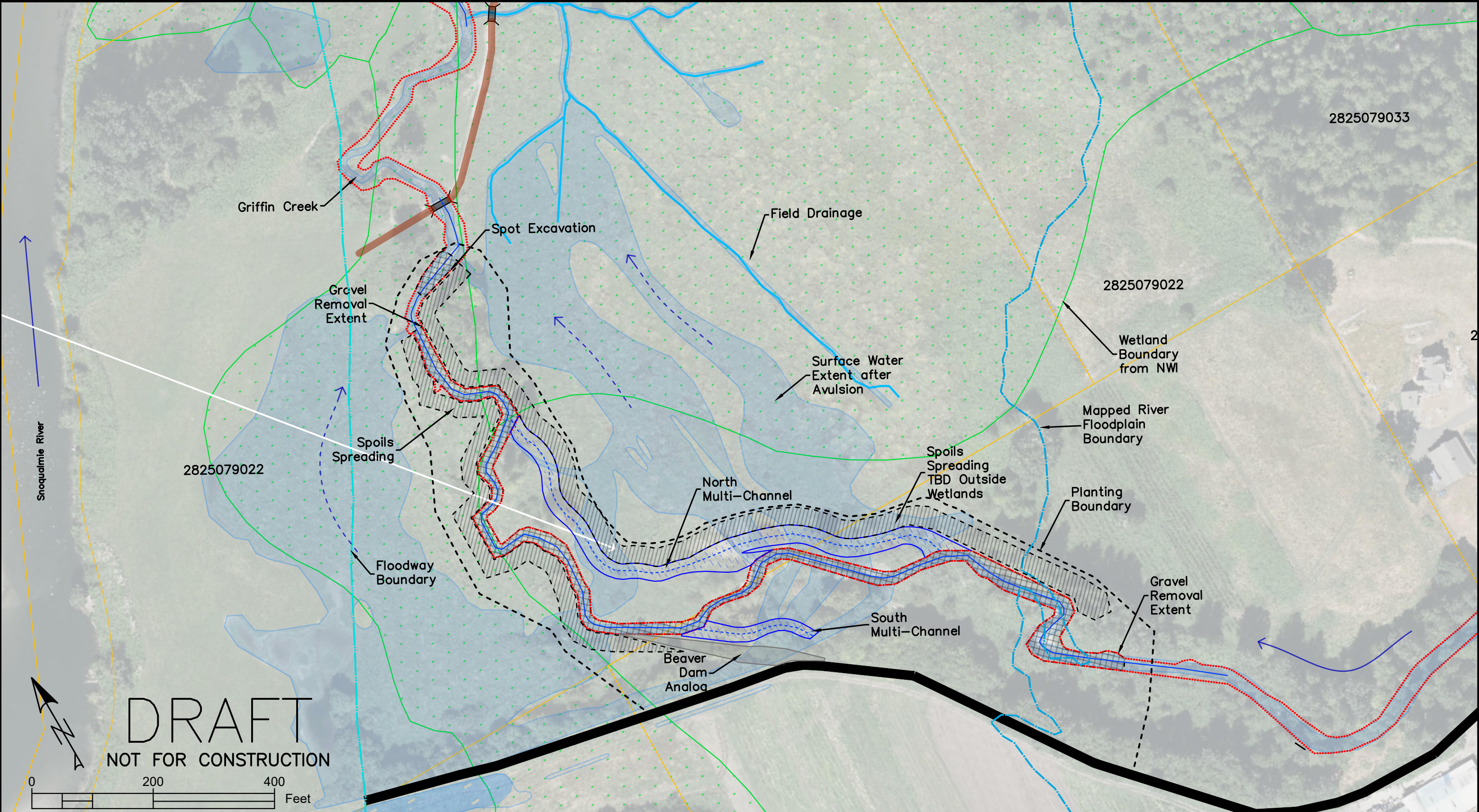
- Existing Ground/Contour  
 ————— Proposed Ground/Contour  
 Gravel Removal  
 Spoils Area  
 Griffin Creek Centerline  
 Bank Full Width  
 Agricultural Waterways  
 NWI Wetland  
 Mapped FEMA Floodplain  
 Mapped FEMA Floodway  
 Existing Farm Road  
 Existing Bridge

Flow Path  
 Avulsion Flow Path  
 Surface Water  
 (1/30/2021)

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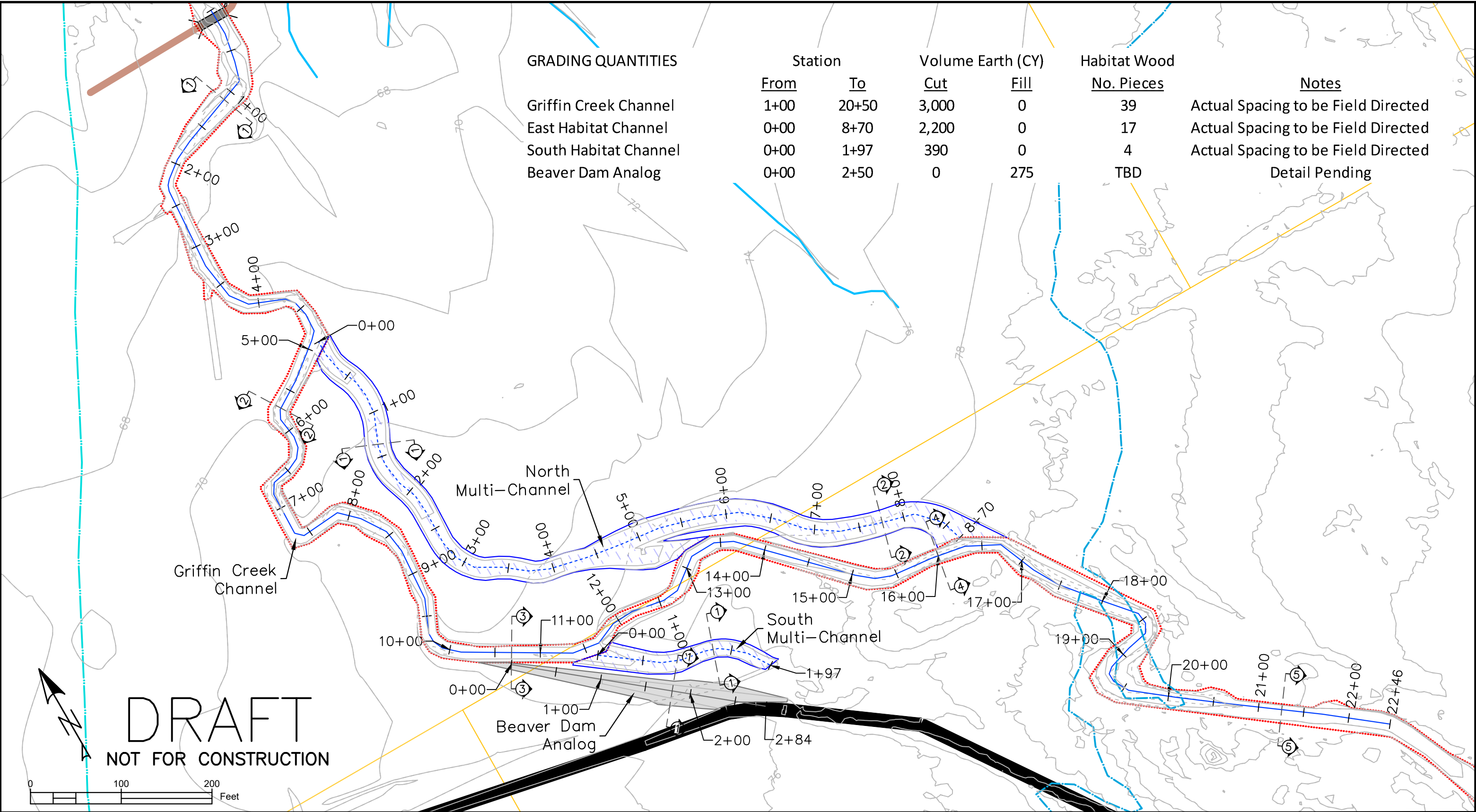
FIELD BOOK: _____ SURVEYED: <u>FLB</u> <u>Jan/Feb 2022</u> SURVEY BASE MAP: _____ CHECKED: _____		APPROVED: _____ PROJECT MANAGER: <u>Lou Beck, WLRD Stormwater Services</u> DESIGNED: _____ DRAINAGE INVESTIGATION NO.: _____		 Know what's below. Call before you dig.		 King County Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director		COVER PAGE Griffin Crk Alluvial Fan Project 31904 NE 8th St, 31919 NE 16th St, Carnation, WA 98014		SHEET 1 OF 10 SHEETS 3/9/23	
NUM.	REVISION	BY	DATE	C:\Users\beckf\OneDrive - King County\Documents\Working\CompD\griffin creek\autocad\griffin_surface_revised_design60.dwg							





FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	<b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director	<b>SITE PLAN</b>  Griffin Crk Alluvial Fan Project 31904 NE 8th St, 31919 NE 16th St, Griffin Crk, WA 98003	<b>SHEET</b> <b>2</b> OF <b>10</b> SHEETS
SURVEYED: <b>FLB</b> Jan/Feb 2022		PROJECT MANAGER: Lou Beck, WLRD Stormwater Services					
SURVEY BASE MAP: _____		DESIGNED: _____					
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____					
NUM.	REVISION	BY	DATE	C:\Users\beckf\OneDrive - King County\Documents\Working\CompD\griffin creek\autocad\griffin_surface_revised_design60.dwg, 3			





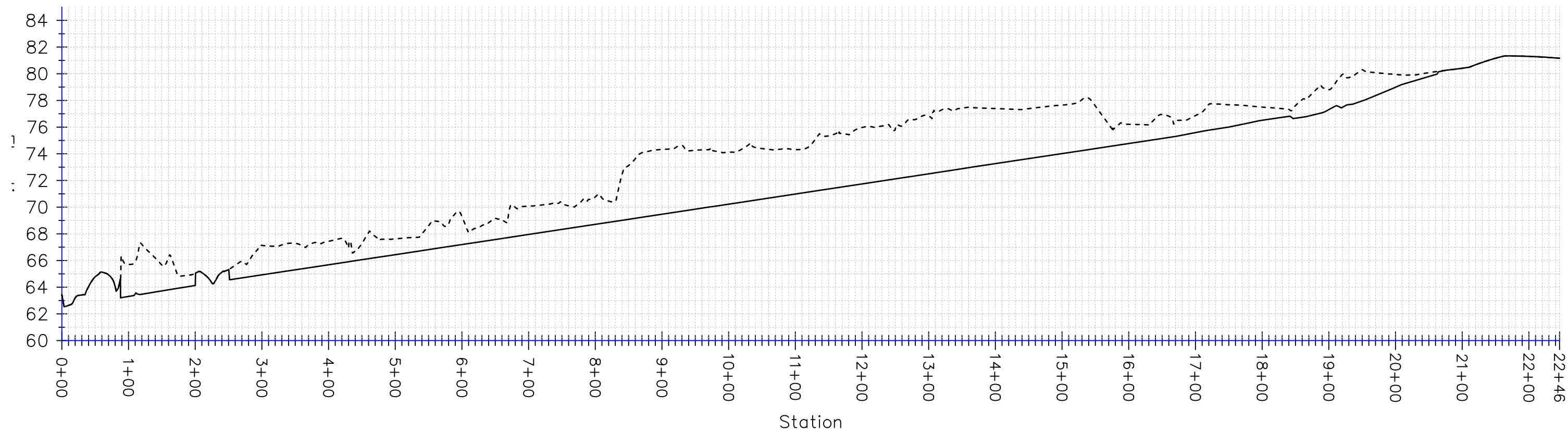
GRADING QUANTITIES

Griffin Creek Channel  
East Habitat Channel  
South Habitat Channel  
Beaver Dam Analog

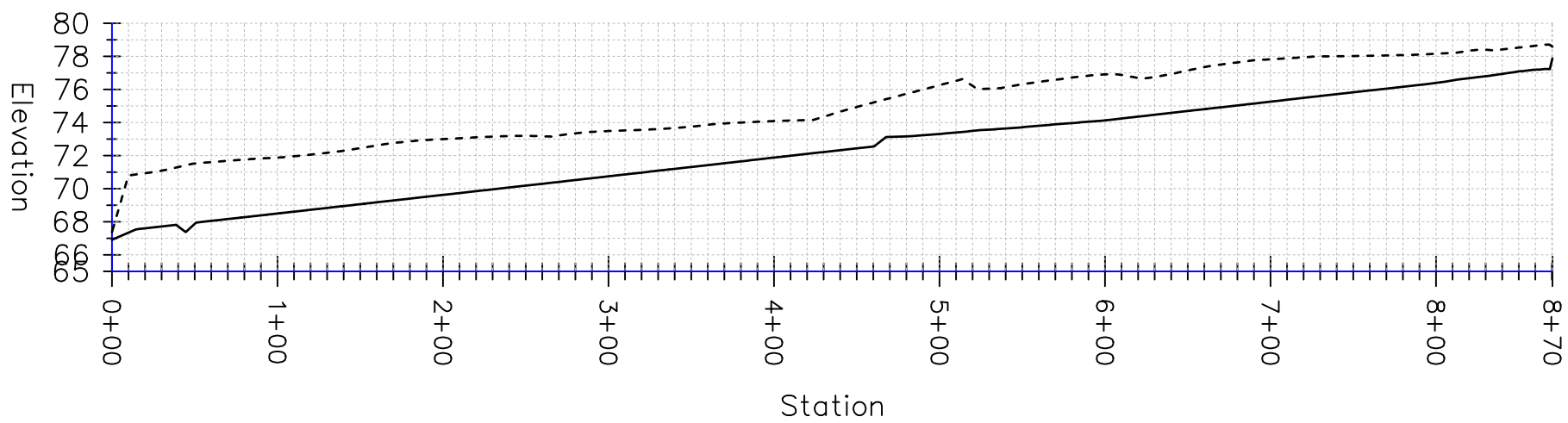
Station		Volume Earth (CY)		Habitat Wood	Notes
From	To	Cut	Fill	No. Pieces	
1+00	20+50	3,000	0	39	Actual Spacing to be Field Directed
0+00	8+70	2,200	0	17	Actual Spacing to be Field Directed
0+00	1+97	390	0	4	Actual Spacing to be Field Directed
0+00	2+50	0	275	TBD	Detail Pending

FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director	GRADING PLAN	SHEET <b>3</b> OF 10 SHEETS
SURVEYED: <b>FLB</b> Jan/Feb 2022		PROJECT MANAGER: Lou Beck, WLRD Stormwater Services				Griffin Crk Alluvial Fan Project	
SURVEY BASE MAP: _____		DESIGNED: _____				31904 NE 8th St,	
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____				31919 NE 16th St,	
NUM.	REVISION	BY	DATE	C:\Users\beckf\OneDrive - King County\Documents\Working\CompD\griffin creek\autocad\griffin_surface_revised_design60.dwg, 3			3/9/2

Griffin Creek Centerline Profile



North Multi-Channel Profile



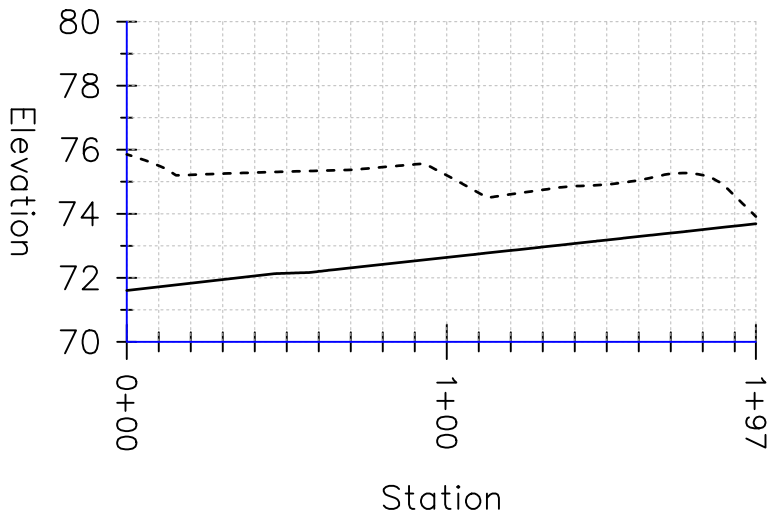
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FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director	PROFILES (1 OF 2)	SHEET <b>4</b> OF 10 SHEETS	
SURVEYED: <b>FLB</b> Jan/Feb 2022		PROJECT MANAGER: Lou Beck, WLRD Stormwater Services				Griffin Crk Alluvial Fan Project		
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CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____				31919 NE 16th St, Burien, WA 98148		
NUM.	REVISION	BY	DATE					3/9/23

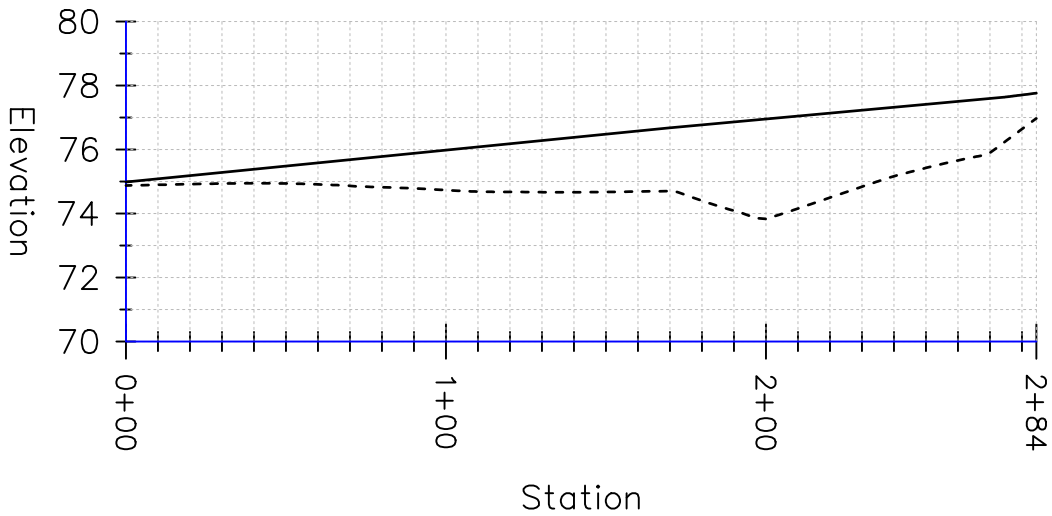
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South Multi-Channel Profile



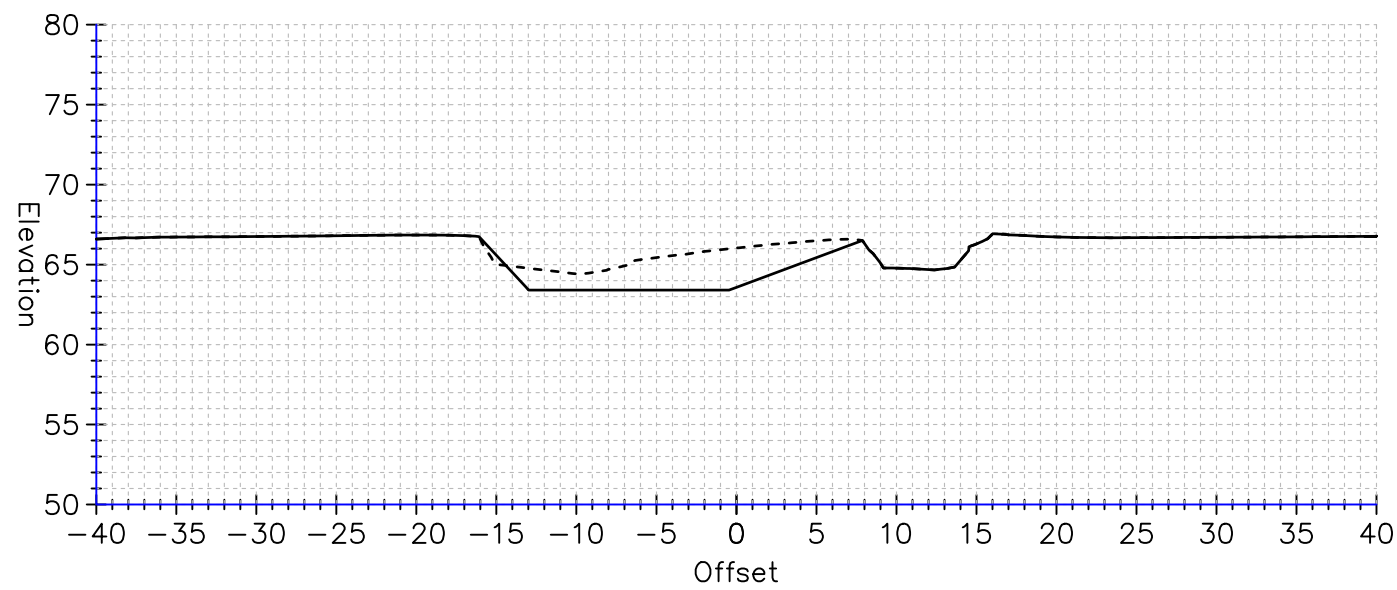
Beaver Dam Analog Profile



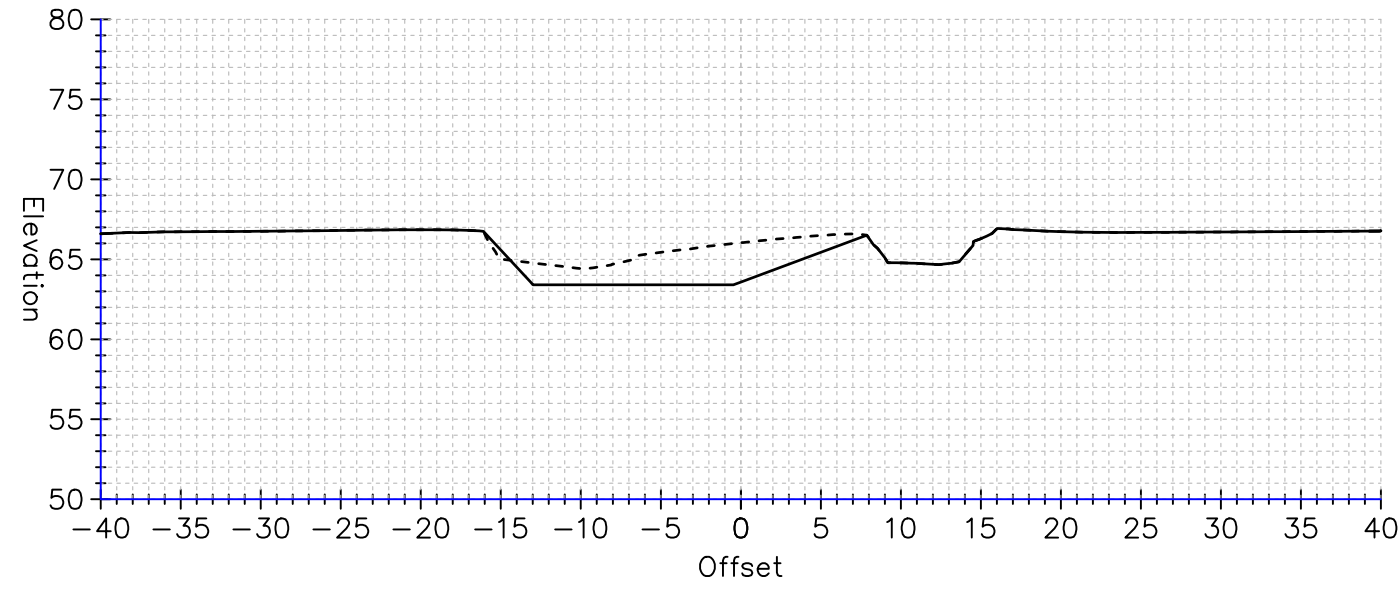
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FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director	PROFILES (1 OF 2)	SHEET <b>5</b> OF 10 SHEETS
SURVEYED: <b>FLB</b> Jan/Feb 2022		PROJECT MANAGER: Lou Beck, WLRD Stormwater Services				Griffin Crk Alluvial Fan Project	
SURVEY BASE MAP: _____		DESIGNED: _____				31904 NE 8th St,	
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____				31919 NE 16th St, Tacoma, WA 98404	
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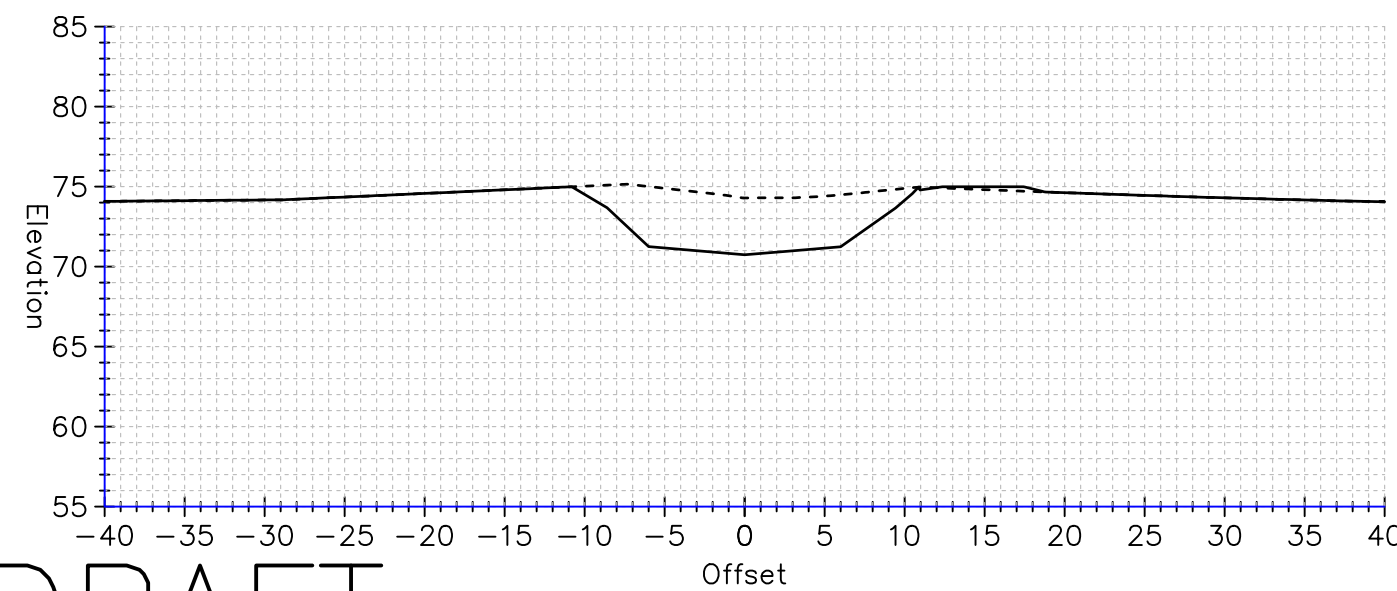
Griffin Creek Centerline Section 1 (1+11)



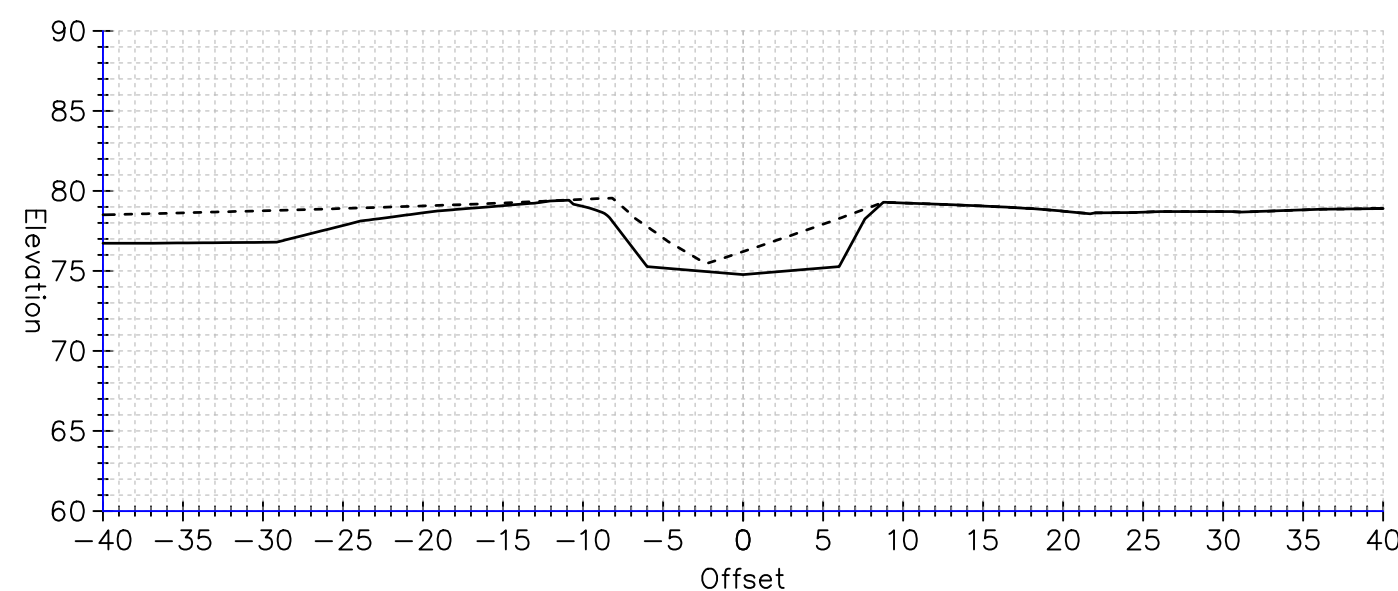
Griffin Creek Centerline Section 1 (1+11)



Griffin Creek Centerline Section 3 (10+68)



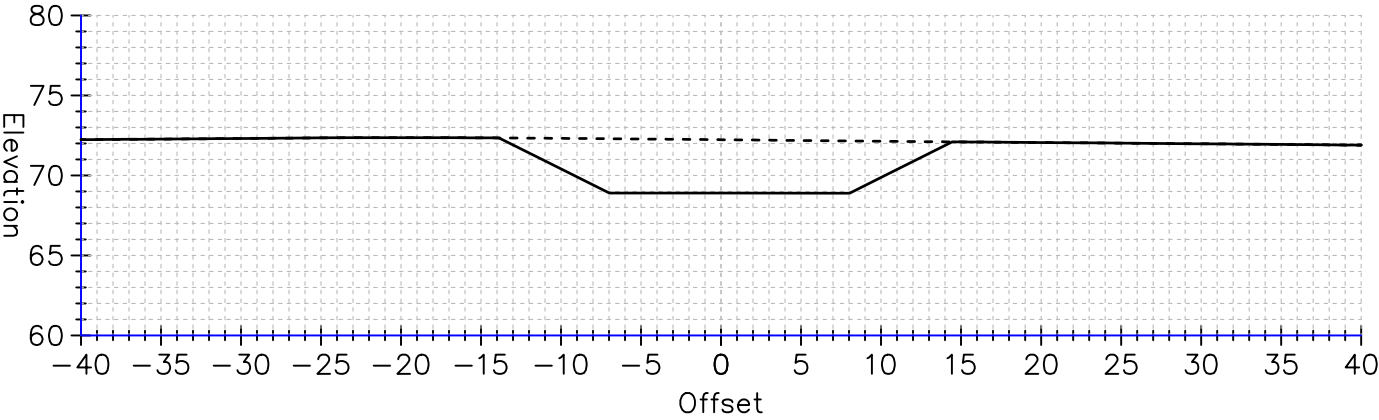
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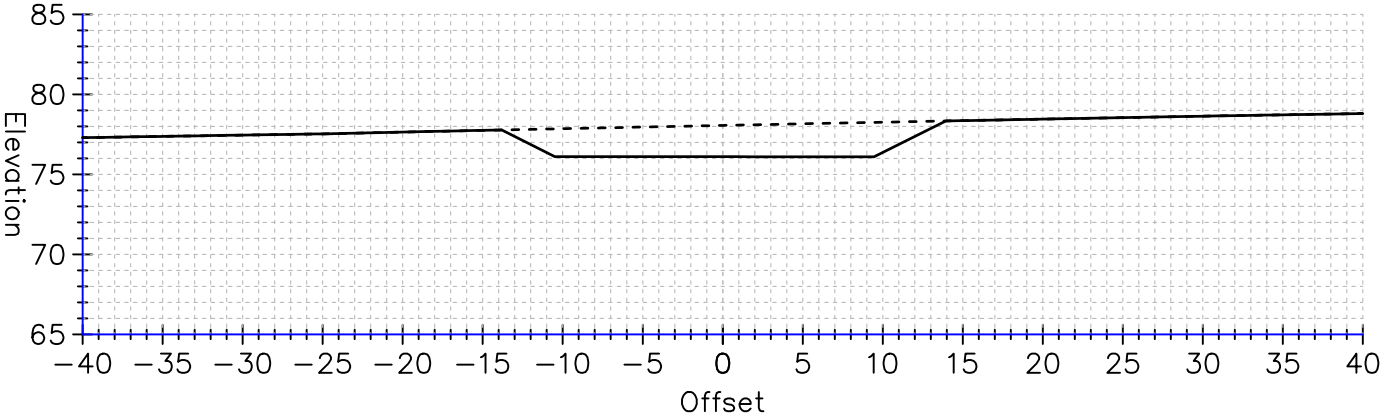
DRAFT  
NOT FOR CONSTRUCTION

FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section Christie True, Director	SECTIONS (1 OF 2)  Griffin Crk Alluvial Fan Project 31904 NE 8th St, 31919 NE 16th St, Griffin Crk Alluvial Fan	SHEET <b>6</b> OF 10 SHEETS
SURVEYED: <b>FLB</b> Jan/Feb 2022		PROJECT MANAGER: Lou Beck, WLRD Stormwater Services					
SURVEY BASE MAP: _____		DESIGNED: _____					
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____					
NUM.	REVISION	BY	DATE	C:\Users\beckf\OneDrive - King County\Documents\Working\CompD\griffin creek\autocad\griffin_surface_revised_design60.dwg, 3			

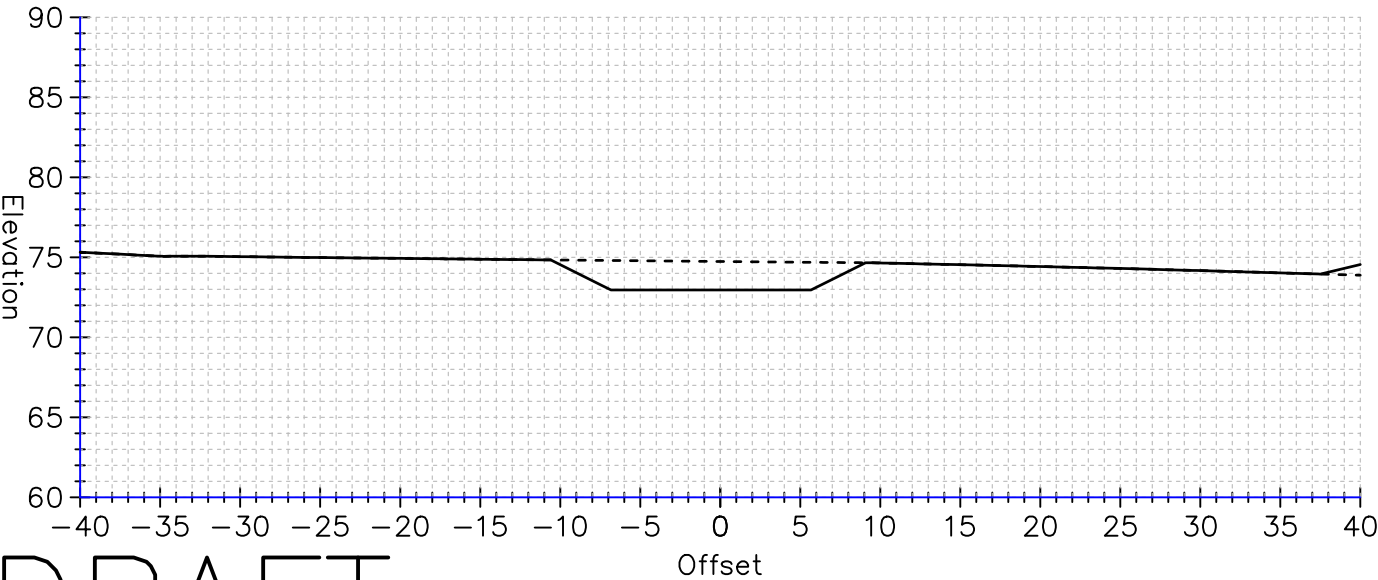
North Multi-Channel Section 1 (1+36)



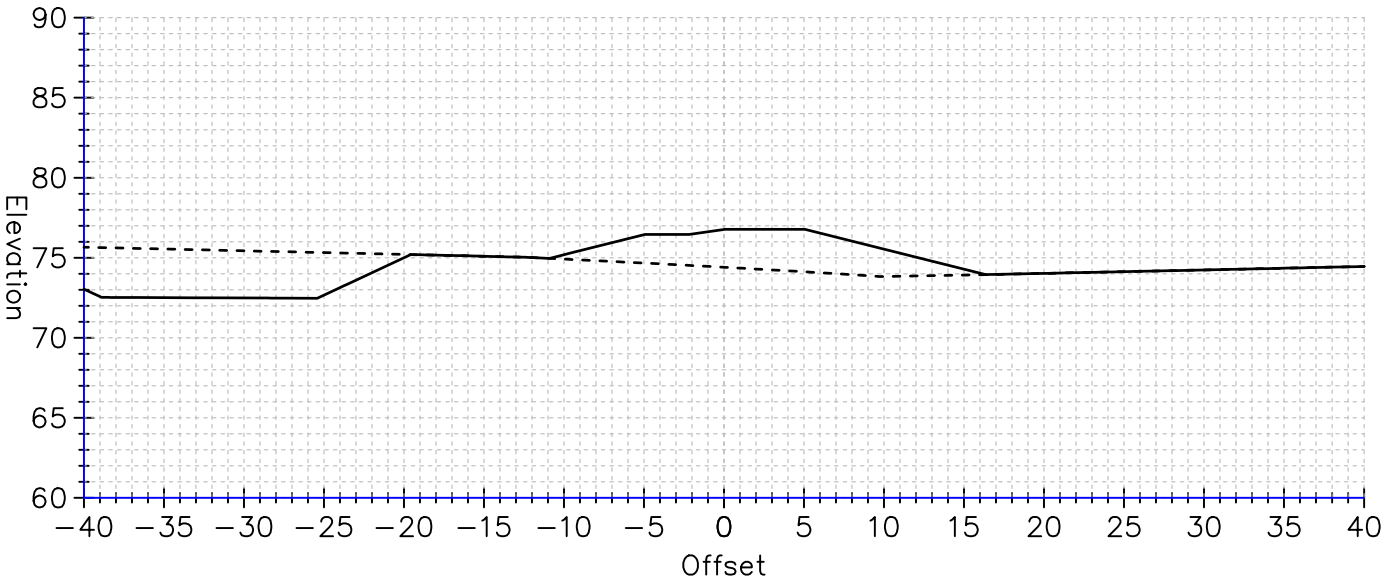
North Multi-Channel Section 2 (7+76)



South Multi-Channel Section 1 (1+30)



Beaver Dam Analog Section 1 (1+80)



DRAFT  
NOT FOR CONSTRUCTION

FIELD BOOK: _____						APPROVED: _____
SURVEYED: <u>FLB</u> <u>Jan/Feb 2022</u>						PROJECT MANAGER: <u>Lou Beck, WLRD Stormwater Services</u>
SURVEY BASE MAP: _____						DESIGNED: _____
CHECKED: _____						DRAINAGE INVESTIGATION NO.: _____
		NUM.	REVISION	BY	DATE	



Know what's below.  
Call before you dig.



**King County**  
Department of Natural Resources and Parks  
Water and Land Resources Division  
Stormwater Services Section  
*Christie True, Director*

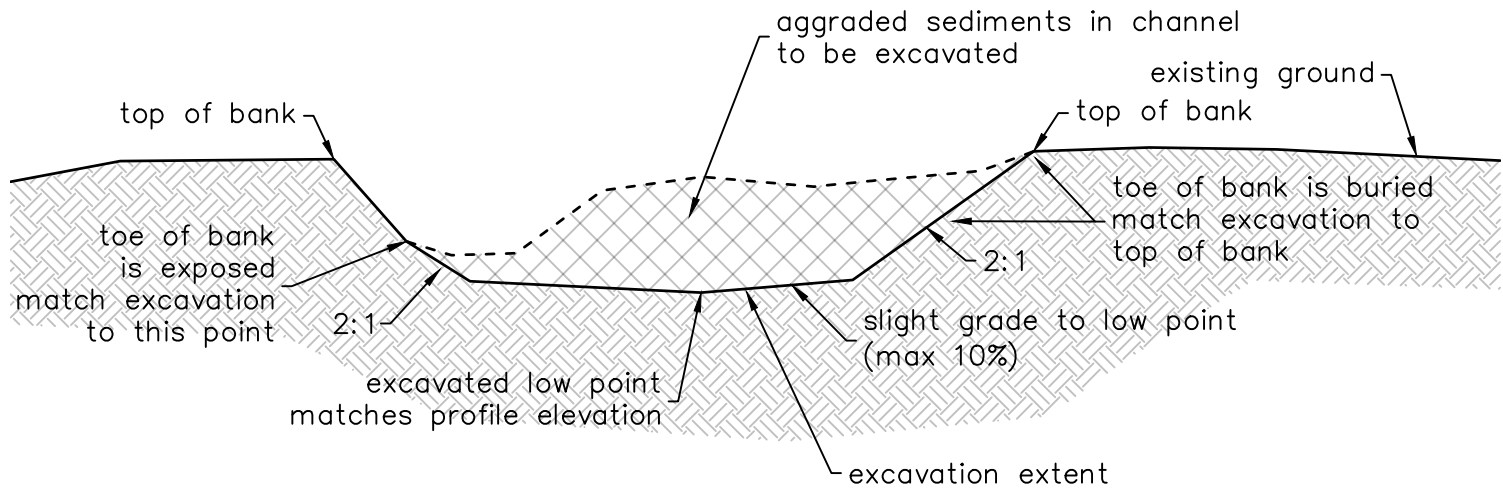
SECTIONS (2 OF 2)  
  
Griffin Crk Alluvial Fan Project  
31904 NE 8th St,  
31919 NE 16th St,  
Carnation, WA 98014

SHEET  
**7**  
OF  
10  
SHEETS  

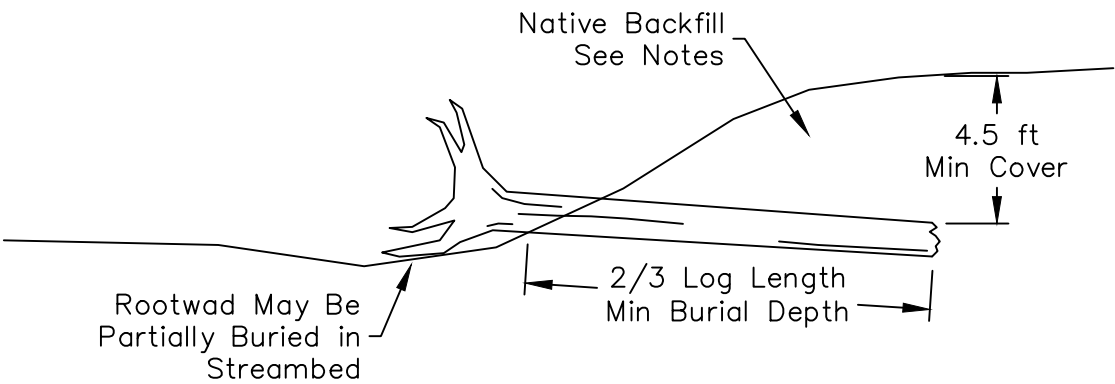
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3/9/22

TYPICAL GRAVEL REMOVAL DETAIL  
not to scale



TYPICAL KEYED LOG DETAIL  
not to scale



Notes

1. Preferred placement of keyed log will be by sharpening the end as needed to mechanically push the log into the bank. If un-feasible, excavate the minimum necessary to bury the log as shown and backfill in compacted lifts not to exceed 8 inches.
2. Placement of habitat wood is to be generally spaced every fifty feet, however, final placement of wood may be adjusted by the project engineer as directed on site.
3. Habitat wood will be angled upstream.

DRAFT  
NOT FOR CONSTRUCTION

FIELD BOOK: _____						APPROVED: _____	 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	DETAILS  Griffin Crk Alluvial Fan Project 31904 NE 8th St, 31919 NE 16th St, Carnation, WA 98014	SHEET <b>8</b> OF 10 SHEETS  <b>3/9/22</b>
SURVEYED: <i>FLB</i>	<i>Jan/Feb 2022</i>					PROJECT MANAGER: Lou Beck, WLRD Stormwater Services				
SURVEY BASE MAP: _____						DESIGNED: _____				
CHECKED: _____						DRAINAGE INVESTIGATION NO.: _____				
		NUM.	REVISION	BY	DATE					



## QUOTATION 22-0143

May 2, 2022

To: King County Conservation District

Att: Liz Stockton

Via E-Mail: [Elizabeth.stockton@kingcd.org](mailto:Elizabeth.stockton@kingcd.org)

**Re: Infinity Ranch Bridge #1**

We are pleased to offer the following quotation to design, manufacture and deliver a 45' long x 12' wide slab bridge:

Includes:

- 5 Precast concrete slabs – approx. 20,000 lbs. ea.
- Rubber bearing strips & rebar dowels
- Curbs / railing components are not included

**Price = \$ 39,540.00**

If a Washington PE stamp is required on the drawings, we can have this done for an additional \$3,850.

- Price in US dollars
- Price FOB the bridge site, including 1 hour off-loading time per truck. Site must be accessible for highway trucks.
- All applicable taxes are extra
- Rapid-Span's standard terms and conditions apply (attached)

We appreciate the opportunity to quote. If you have any questions, please call toll-free: 1-800-661-2047. This quotation is valid for 30 days.

Regards,

Paul King, MS, P. Eng.  
VP Engineering

Quote accepted by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_



## Rapid-Span General Terms and Conditions

These Terms and Conditions govern the sale of materials by Rapid-Span to the Buyer. Rapid-Span shall not be bound by any changes to these Terms and Conditions, or any other terms and conditions, without its prior written consent. These Terms and Conditions supersede any other terms and conditions in any purchase order or any other document the Buyer may submit to Rapid-Span.

**Price:** The price of the materials sold (the "selling price") is the price agreed upon by Rapid-Span and the Buyer. The selling price does not include applicable taxes, duties or brokerage fees where applicable, or delivery charges, all of which are in addition to the aforementioned amounts and are the responsibility of the Buyer. The selling price does not include a performance bond or contract holdback, which, if required by the Buyer, shall be at its expense. All prices are F.O.B. Armstrong B.C. unless otherwise stated. Delivered prices or prices involving competitive transportation costs shall be subject to appropriate adjustment to reflect changes or surcharges in transportation charges at Rapid-Span's discretion.

**Payment Terms:** All orders are subject to credit approval. The materials sold are payable on receipt of an invoice from Rapid-Span with no holdbacks, deductions or set-off unless previously agreed to by Rapid-Span in writing. However, should Rapid-Span deem necessary, Rapid-Span may, in its sole discretion and prior to shipment of the materials or performance of the services, require from Buyer full payment of the materials and services or an irrevocable letter of credit covering the selling price of the materials and services. Should, in Rapid-Span's sole judgment, Buyer's credit become impaired, Rapid-Span may suspend any work in progress or delivery of materials until such time as Rapid-Span is satisfied with Buyer's credit or revised payment terms have been agreed to. International accounts are payable by irrevocable letters of credit drawn on a financial institution and in a form acceptable to Rapid-Span.

A late payment charge of 1.5% per month (18% per annum) shall be assessed on invoices not paid 30 days following their date of issuance. If Buyer fails to make any payment due to Rapid-Span, in addition to any other rights it may have, Rapid-Span may stop further shipments and work until such payments are made. If Buyer fails to pay any Rapid-Span invoice when it is due, Buyer shall pay Rapid-Span all costs, expenses and damages incurred by Rapid-Span in connection with the Buyer's failure to pay, including, without limitation, legal fees, disbursements, and other costs of collection.

**Warranties, Limitation of Liability and Indemnification:** The materials and services sold by Rapid-Span to Buyer are, subject to the exclusions set out below, warranted for a period of 1 year following the date of delivery to be free from defects in workmanship and material. During such period Rapid-Span will, at Rapid-Span's option, either, (i) repair any such defective materials or services; (ii) furnish replacement materials; or (iii) grant a credit to Buyer's account in the amount of Buyer's net purchase price of such defective materials or services. Defects in the materials or services caused by third parties, acts of God, defective installation by someone other than Rapid-Span, other trades, abnormal use or stress or other matters unrelated to Rapid-Span's activities are specifically excluded from the coverage of this warranty.

The foregoing limited warranty is exclusive and is given and accepted in lieu of any and all other warranties express or implied, including, without limitation, any implied warranty of merchantability and fitness for a particular purpose, and all other remedies. Rapid-Span's total liability for any claim, loss or damages arising from the materials and services sold by Rapid-Span to the Buyer shall under no circumstances exceed the price paid by the Buyer for the materials. Rapid-Span shall under no circumstances be held liable for any indirect, consequential, incidental, or special damages, commercial losses, claims for labour or lost profits, or damages of any other type.

**Drawings and Specifications:** Rapid-Span assumes no responsibility for the accuracy, completeness, fitness or suitability of designs, drawings and specifications furnished or approved by Buyer, and Buyer agrees to indemnify, defend, and hold Rapid-Span harmless from and against any claims, demands, costs, liability and damages arising or alleged to arise from Rapid-Span's acceptance and use of said designs, drawings and specifications, including but not limited to liability for patent infringement and claims relating to Buyer's use or installation of the materials.

**Protection of the Materials:** During shipping the materials are not covered or protected by a tarpaulin or other covering that would shelter them from adverse weather conditions or other elements. Rapid-Span is not responsible for any damage caused to the materials due to shipping, erection, decking, installation or other handling during transportation or at the job site, dirt, road salt or weather conditions in general. Should it be necessary to clean, touch up or repair any materials prior to their erection, all costs incurred shall be at the Buyer's expense.

**Permissible Variations and Inspection:** Materials are to be furnished subject to normal manufacturing and commercial variations and Rapid-Span's general practices which are within industry standards. Unless specified otherwise, Rapid-Span conducts a visual inspection of the materials at its fabrication plants. Should an inspection by an independent inspector designated by the Buyer be required, such inspection shall be carried out at Rapid-Span's fabrication plant prior to shipment. Approval and release of the materials by the inspector designated by the Buyer shall constitute an acknowledgement by the Buyer that the materials conform to the specifications. The Buyer shall assume all expenses incurred for the inspection carried out by its designated inspector.

## Rapid-Span General Terms and Conditions

**Fabrication and acceptance of the shipment:** Subject to acceptance by the Buyer of Rapid-Span's quotation within the timeframe specified in the quotation and unless stated otherwise in the quotation, Rapid-Span shall use reasonable commercial efforts to deliver the materials to the Buyer within the timeframe agreed to by Rapid-Span. No delivery dates are guaranteed. Rapid-Span will use reasonable commercial efforts to meet delivery and shipping dates, but such dates are estimates only, and Rapid-Span will not be responsible for failure to meet any specific date. Should delivery of the materials be delayed for a reason attributable to the Buyer or its contractors, or for any other reason beyond Rapid-Span's control, Rapid-Span shall be entitled to increase its prices to the Buyer to reflect any increases in the cost of its labour and materials. All warehousing, storage, additional handling and other expenses resulting from a delay attributable to the Buyer or its contractors shall be at the Buyer's expense and shall be added to the selling price. Should the Buyer not accept a shipment, Rapid-Span shall be entitled to invoice the Buyer for an amount equal to 100% of the selling price and the Buyer shall pay the invoice within 30 days of the invoice date. The fabrication plant as well the suppliers of all or part of the materials shall be at the sole discretion of Rapid-Span.

**Delivery:** It is the Buyer's responsibility to ensure that the job site is accessible to the equipment used for delivery and unloading. It is also the Buyer's responsibility to ensure that the roads leading to the job site will permit the required equipment to travel and operate safely. Rapid Span reserves the right to inspect the site and to refuse to deliver the material if the site is not deemed safe and accessible by Rapid-Span. Rapid-Span includes 1.5 hours for waiting and unloading after the arrival of the delivery equipment at the job site. The Buyer shall pay Rapid-Span \$350.00 per hour or Rapid-Span's hourly rate then in effect, whichever is greater, for any time spent waiting or unloading that is in excess of 1.5 hours. The Buyer is responsible for unloading the materials from the delivery truck, at the Buyer's own expense.

**Passage of Title:** Title to the materials sold hereunder shall pass upon delivery to the carrier at the point of shipment. In cases where Rapid-Span provides a price that includes shipment to the job site, delivery is deemed to have occurred when the delivery truck has reached the job site. If Buyer is unable or unwilling to take delivery of the materials within thirty (30) days of the later of (i) the originally scheduled delivery date, or (ii) the date Rapid-Span makes the materials available for shipment, then Rapid-Span may at its option transfer title and require immediate payment from the Buyer. Buyer assumes all benefits and risks of ownership (including risk of fire, theft, or other loss) once title is transferred, whether or not the materials have been delivered.

**Force Majeure:** Rapid-Span shall not be responsible for delivery delays, in whole or in part, arising from circumstances beyond its reasonable control or from events such as: legal or illegal labour conflicts; accidents; epidemics; changes in government standards or regulations; fire or adverse weather conditions; war, riots or embargo; delays, loss or damage during transportation; shortage of carriers, materials or supplies; or delays caused by carriers. In the event of delays, the delivery time shall be extended by the period of time necessary to compensate for the delay.

**Claims:** Claim for shortages, materials damaged in transit and defective materials must be reported to Rapid-Span in writing no later than forty eight (48) hours following receipt of the materials by the Buyer. In the absence of such notice, all materials shall irrevocably be deemed accepted and in compliance with all applicable requirements for the materials. All materials must be held by the Buyer and shall not be returned to Rapid-Span, without Rapid-Span's inspection and prior written consent. Buyer shall not provide or obtain any materials or do any work on Rapid-Span's behalf without obtaining Rapid-Span's prior written authorization as to the materials to be provided, the scope of the work to be done and the cost thereof. No payment or set-off shall be withheld by the Buyer during any claim evaluation period.

Buyer agrees not to assert or take any deduction or set-off from payment of any invoice except with Rapid-Span's prior authorization. Under no circumstances shall any deduction include claims for damages, losses, costs, expenses or other amounts excluded by these Terms and Conditions, or exceed 10% of the amount of the invoice without a previously approved written authorization by Rapid-Span.

**Technical Advice:** Rapid-Span shall not be responsible for any technical or other advice or information given by any of its employees in connection with the design, installation or use of the materials or services sold hereunder.

**Buyer's Right Of Termination:** Buyer may, subject to the following provisions, terminate this contract in whole or in part upon notice in writing to Rapid-Span. Buyer shall, immediately upon receipt of an invoice from Rapid-Span, pay Rapid-Span the sum of the following: (i) the contract price for all materials which have been completed prior to termination; (ii) the cost to Rapid-Span of the material or work in process as shown on the books of Rapid-Span in accordance with Rapid-Span's general accounting practice, plus Rapid-Span's anticipated profit thereon, but in no event more than the contract price; (iii) the cost F.O.B. Rapid-Span's plant of materials and supplies acquired especially for the purpose of completing this contract; and (iv) cancellation charges, if any, paid by Rapid-Span in respect of any commitment(s) made by Rapid-Span in connection with this contract. The provisions of this contract are without prejudice to the rights of either party in the event of failure on the part of the other party to comply with the provisions of this contract.

**Applicable Law:** These Terms and Conditions shall be interpreted in accordance with the laws of the Province of British Columbia. Legal proceedings arising from or in connection with the materials or services provided by Rapid-Span shall be submitted to the exclusive jurisdiction of the Supreme Court of the Province of British Columbia and the Buyer hereby atones to the jurisdiction of this Court.











# Unfinished Business

**Agenda Action Briefing/Report AI 22-029****SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Emily Downing, for a Riparian Forest Buffer, in the amount of \$11,850.00.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$472,494.96</b>
Current Request	<b>\$11,850.00</b>
Balance Remaining	<b>\$460,644.96</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Downing's own a small farm along Bear Creek in the town of Redmond, WA. Bear Creek provides habitat for fall Chinook, coho, and winter steelhead. The Downing's have 3 sheep and 2 goats that are fenced out of the riparian area. The northern half of the riparian area on the Downing property is in good condition with mature conifers and native vegetation. There are pockets in nonnative vegetation including English holly that could be treated but it would not be in need of planting. The southern end of the Downing property has considerable weed infestations including reed canarygrass in the wetter areas and Himalayan blackberry in the drier areas. There is very little elevation change across the property and water can be held on the southern end of the property because of an undersized culvert.

This project will install an 85 foot riparian buffer on both the east and west sides of Bear Creek on the southern end of the property, with weed treatments occurring throughout the northern and southern sections. This would include approximately 500 linear feet for a total 2.2 acre project. The northern half of the project (weed treatment) is approximately 220 linear feet for 1.10 acres and the southern half (restoration) is approximately 280 linear feet for 1.10 acres. The buffer averages approximately 95 feet on either side. It is estimated that 1,000 plants would achieve density goals.

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Emily Downing, for a Riparian Forest Buffer in the amount of \$11,850.00.

Agenda Action Briefing/Report AI 22-029

**MOTION**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Emily Downing, for a Riparian Forest Buffer, in the amount of \$11,850.00.

# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Aquatic Area Enhancement Project

### Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

### Section 2. Project Information

Best Management Practice (BMP):
Project Completion Date <i>(month and year)</i> :
Current Site Conditions <i>(Provide a brief summary of resource management problem addressed by BMP: note streams, wetlands, and steep slopes near or within the project area):</i>
Project Details <i>(Provide a brief summary of the project. Include acres treated, linear feet of stream enhanced, length of fence, types and numbers of plants, etc.):</i>
Maintenance Plan:

**Permits** (List all permits required to complete this project):

**Photos:** KCD Resource Planner must submit before photos with this application.

### Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)?

☐ Yes ☐ No

If yes, please list contract number and BMP below:

B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs?

☐ Yes ☐ No

Please describe below:

**1. King County Cost-share**

Please list practices and date installed below:

**2. NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)**

Please list practices and date installed below:

**3. Other**

Please list agency and describe project:

**Other Cost-Share History/Notes:**

### Section 4. Budget (attached as Exhibit A)

KCD will plan and install the Best Management Practice (BMP) on behalf of the Applicant. A detail of the project budget with line items for planning, installation, maintenance and cost-share ratios are attached as Exhibit A. Upon BMP installation, KCD will invoice the Applicant for the Applicant Cost-share listed in the following table. Applicant cost-share is due 30 days after receipt of a KCD invoice.

Program Cost-share	Cost-share Ratio	Amount
King CD Landowner Incentive Program	__%	
King CD Aquatic Area Enhancement Program	__%	
Washington State Conservation Commission	__%	
Other (specify) -	__%	
Other (specify) -	__%	
Applicant Cost-share	10%	
TOTAL	100%	



## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

A. Will you consider becoming a demonstration project?

☐ Yes ☐ No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- ☐ A. I understand the lifetime of the BMP is \_\_\_\_\_ years.
- ☐ B. I understand KCD will coordinate and conduct maintenance and replanting for the first three years of the lifetime of the BMP. After that, KCD will work with the Applicant to verify proper maintenance of the installed BMP. Verification of maintenance includes a combination of site visits with KCD staff members who will take photos of the project, and annual photo documentation submitted by the applicant for the lifetime listed in Section 6A.
- ☐ C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_(Initial Here)

I authorize KCD to secure the applicable local, state and federal permits and to install the BMP on my behalf, and I agree to work cooperatively with KCD to obtain these permits. \_\_\_\_\_(Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_(Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees or agents which may occur during the course of KCD's performance of the installation of the BMP provided in connection with this Agreement. \_\_\_\_\_(Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. \_\_\_\_\_(Initial Here)

I understand that LIP cost-share is contingent upon installing the BMP to the minimum standard planned by KCD, and that KCD will verify and photo document standard compliance through its coordination of BMP installation. \_\_\_\_\_(Initial Here)

I understand that in cases where I become the recipient of a KCD LIP cost-share reimbursement there may be federal tax liability associated with the reimbursement. When this occurs, KCD will issue a 1099-G for reimbursements made through the LIP. I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements. \_\_\_\_\_(Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of cost-share reimbursements received through this Agreement. In the event litigation is commenced by KCD to recover a refund of any cost-share reimbursements received through this Agreement, attorney's fees and costs incurred by the prevailing party in such action shall be paid by the non-prevailing party. \_\_\_\_\_(Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. . \_\_\_\_\_(Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_(Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_(Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable).  
*Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.)*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel two cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP maintenance.

I understand KCD will provide two signs, an LIP sign and aquatic area buffer sign, free of charge, and I agree that: \_\_\_\_\_(Initial Here)

- a. I will select a visible location on my property for display of the LIP sign and will install it.
- b. KCD will install the aquatic area buffer sign adjacent to the installed aquatic area enhancement project.
- c. I will maintain the signs and keep them free of visual barriers for at least five years after installation.
- d. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant

Date

Signature of Landowner (if applicant if Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:

## Scope of Work for:

Emily Downing  
20630 NE 92nd Pl Redmond WA 98053  
Date: 2/1/2022



**Narrative Scope of Work:** If this project was funded, as proposed, the project would be a 50 foot riparian buffer on both the east and west sides of Bear Creek on the southern end of the property, with weed treatments occurring throughout the northern and southern sections. This would include approximately 500 linear feet for a 2.2 acre project. The northern half of the project (weed treatment) is approximately 220 linear feet for 1.10 acres and the southern half (restoration) is approximately 280 linear feet for 1.10 acres.

		Days/Units/Hours	Cost Per	Subtotals
Crew Days (10% Landowner cost share)				
WCC Days: Site Prep		10	\$ 1,650.00	\$ 16,500.00
WCC Days: Planting		4.5	\$ 1,650.00	\$ 7,425.00
				\$ 23,925.00
Materials (10% Landowner cost share)				
Potted Plants - trees and shrubs		1000	\$ 5.50	\$ 5,500.00
Bamboo Stakes 3/8" x 3' (500)		2	\$ 100.00	\$ 200.00
Blue tube protection (reused)		1	\$ -	\$ -
				\$ 5,700.00
Cost Share Estimate				\$ 29,625.00
10% Landowner Cost Share				\$ 2,962.50
KCD Staff Time (non cost share)				
Project Planning		25	\$ 90.00	\$ 2,250.00
Project Implementation		25	\$ 90.00	\$ 2,250.00
				\$ 4,500.00
Installation Total Estimate				\$ 34,125.00
Task 4: 3 Year Maintenance Estimate				
Crew Days in field:		12	\$ 1,650.00	19,800.00
Project Management		24	\$ 90.00	2,160.00
Materials (mulch, replanting)				200.00
				22,160.00
Project Grand Total Est.				\$ 56,285.00
Cost Share Breakout	7.2 Con Pro (50%)	KCD LIP (40%)	Landowner funds (10%)	Total
Labor	\$ 11,962.50	\$ 9,570.00	\$ 2,392.50	\$ 23,925.00
Materials	\$ 2,850.00	\$ 2,280.00	\$ 570.00	\$ 5,700.00
Total	\$ 14,812.50	\$ 11,850.00	\$ 2,962.50	\$ 29,625.00



# JOB SHEET

## *Aquatic Area Buffer Planting- Riparian Forest Buffer*

Landowner: Emily Downing	Lifetime of Practice: 15 Years
--------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Create shade to lower or maintain water temperatures to improve habitat for aquatic organisms	<input type="checkbox"/> Improve forest health reducing the potential of damage from pests and moisture stress
<input checked="" type="checkbox"/> Create or improve riparian habitat and provide a source of detritus and large woody debris	<input checked="" type="checkbox"/> Restore natural riparian plant communities
<input type="checkbox"/> Reduce excess amounts of pollutants in surface runoff and reduce excess nutrients and chemicals in shallow groundwater flow	<input type="checkbox"/> Improve wildlife habitat
<input type="checkbox"/> Reduce pesticide drift entering water body	<input type="checkbox"/> Increase carbon storage in vegetation and soils, and increase biomass in soils

**Current Site Conditions** *Provide a summary of the resource management problems addressed by the BMP. Also note any other current conditions pertinent to the project (slopes, erosion, flow, drainage)*

The potential DOWNING project is located on Bear Creek in the town of Redmond, Wa. Bear Creek enters the DOWNING property from the south, and generally flows to the north/ north west where it exits the DOWNING property. The northern half of the riparian area on the DOWNING property is in good condition with mature conifers and native vegetation. There are pockets in nonnative vegetation including English holly that could be treated but it would not be in need of planting. The southern end of the DOWNING property has considerable weed infestations including reed canarygrass (Class C) in the wetter areas and Himalayan blackberry (Class C) in the drier areas. There is very little elevation change across the property and water can be held on the southern end of the property because of an undersized culvert.

**Riparian Forest Buffer Practice and Details** *Provide the following:*

- 1) a basic description of the proposed planting area
- 2) calculate and record the square footage (acreage) of the planting area, the number of trees and shrubs to be planted, the linear footage of stream enhanced, the average and minimum width of the buffer:
- 3) list any native plant species currently existing on site
- 4) list native trees and shrubs selected for the project
- 5) please attach your proposed planting plan

1) The riparian area on the DOWNING property is mostly devoid of native vegetation and is dominated by reed canarygrass (Class C) in the wetter areas and Himalayan blackberry (Class C) in the drier areas. There is very little elevation change across the property and water is being held on the landscape south of the driveway bridge, on the southern end of the parcel.

2) If this project was funded, as proposed, the project would be a 50 foot riparian buffer on both the east and west sides of Bear Creek on the southern end of the property, with weed treatments occurring throughout the northern and southern sections. This would include approximately 500 linear feet for a 2.2 acre project. The northern half of the project (weed treatment) is approximately 220 linear feet for 1.10 acres and the southern half (restoration) is approximately 280 linear feet for 1.10 acres. Approximately, 1000 plants would be planted throughout the designated riparian areas.

3) Native species currently on site include primarily: beaked hazelnut, red huckleberry, salmonberry, salal, sword fern, willows, Western red cedar, and red alder.

4) Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, Indian plum, Nootka rose, Pacific ninebark, red osier dogwood, salmonberry, and snowberry. Trees that would be well adapted for site conditions include: cascara, Oregon ash, red alder, Pacific willow, Sitka willow, western crab apple, western red cedar, and grand fir.

5) See attached.

**Permits** *Are there any permits necessary for the project? If so, please list below and include a copy of the permit*

**Yes, Aquatic Noxious Weed General Permit has been obtained from the Washington State Department of Ecology and Washington State Department of Agriculture: Permit #WAG993000.**

*Aquatic Areas:*

There may be permits needed to apply herbicide in aquatic areas or their buffers. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wq/pesticides/>

*King County Jurisdiction:*

Stream and wetland restoration projects that occur on property within the jurisdiction of King County may require a clearing and grading permit. Contact King County Permitting Office

([www.kingcounty.gov/property/permits.aspx](http://www.kingcounty.gov/property/permits.aspx))

**Type and Source of Plant Material** *Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?*

Plant material will be native species adapted to the site to minimize maintenance and care.

Washington Conservation Corps crews potted and/or bareroot material that have been sourced from the Puget Sound region. If additional plant material is purchased to augment the initial planting, that material can be bareroot, live stake, or potted nursery stock. There are a number of local native plant nurseries where native trees, shrubs and emergent species can be purchased. Refer to the attached list of native plant nurseries for local King County sources of native plant material as well as sources in the greater Puget Sound region.

**Site Preparation** *List what method(s) of site preparation will be used, who will be doing the work, when will the work be done.*

Specific weed control prescriptions are detailed below. If brush and debris are removed from the stand, all material will be hauled off-site or masticated /chipped in a staging area. If masticated material is intended for use as mulch on the site, invasive species should not be included in the masticating/chipping process.

*Weed Control Prescriptions:*

Himalayan & Evergreen Blackberry Control –

- *Manual control:* Mow or cut the blackberry canes to less than 1 foot in height, then grub/dig out the roots attached to the cut canes. Thorough removal of blackberry roots in this manner, while labor intensive can reduce the blackberry population and cover in the prepared area by 90 – 95%. Monitor for re-growth in the following growing seasons; dig up any re-growth.
- *Chemical Control:* An alternative control method includes herbicide. One technique involves cutting/mowing the canes and swabbing the freshly cut canes with an approved herbicide. Foliar spray of blackberry is another effective control method. It is recommended that blackberry is mowed early in the summer and sprayed on the foliar re-growth the next fall (September/October). Do not spray planted seedlings. **Always follow label rates and instructions.**



### Reed Canary Grass Control –

- *Manual Control:*

- 1) Mowing reed canary grass depletes carbohydrate root reserves, and if done repeatedly it will result in the thinning or death of the grass. The ideal time to mow is at or near the flowering stage. The grass should be cut as near to the ground as possible (1 inch or lower). Twice yearly mowing (in early-mid June and early October) has shown increased survivorship of native plants planted into reed canary.
- 2) Shading is highly effective in reducing reed canary grass stands. A dense planting of conifers, once established, is ideal for shading. Faster growing deciduous trees and shrubs, especially those that develop foliage in the early spring, combined with an under-planting of conifers can be effective. Artificial methods of shading can be used in conjunction with native plantings. Sheets of thick cardboard or landscaping fabric placed around each individual plant should be secured to the ground by long staples or stakes and covered with 5-6 inches of mulch. The combination of sheeting and mulch provides temporary suppression of the grass, allowing the desirable vegetation to thrive without competition. *Not recommended for flood prone areas.*

- *Chemical Control:* Herbicide can be effective in elimination of Reed Canary grass when properly applied. Studies show that spraying Glyphosate (the active ingredient in products such as ®Rodeo) after a stand is mown or when the grass has the minimum available carbohydrate reserves (after flowering) is an effective control method. Follow-up spraying the next year may be necessary to eliminate the remaining grass. **Always follow label rates and instructions.**

### *Other techniques:*

#### Brushing –

- Brushing prepares an area for planting. To brush an area, mow competing vegetation in a 4-8 foot diameter of the area to be planted. This will limit competition during years of establishment. Maintain this opening for trees until the leader of the tree surpasses the height of the surrounding shrubs.

### Holly & Laurel Control-

- *Manual Control:* *Not recommended.* Small plants can be dug up when the soil is moist. Regularly check area for re-growth. For larger plants cut stems and trunks as close to the ground as possible. Roots may be dug out. Be sure to stabilize soil if large quantities are disturbed. If roots are not dug up, break off any new stems as they grow back for multiple growing seasons.
- *Chemical Control:* Large Holly and Laurel trunks should be cut as close to the ground as possible. Immediately (within minutes) treat the cut stump with an application of glyphosate herbicide (such as Rodeo or Roundup). An alternate technique, called frilling, involves incising deep cuts through bark into trunks at a 45 degree angle. Immediately treat the frills by pouring glyphosate herbicide into the cuts. Best results are achieved during periods of active growth and after full leaf expansion. Monitor for re-growth (seedlings and re-sprouting) and treat accordingly. Do not spray herbicide directly holly and laurel leaves, which have a waxy layer that prevents chemicals from being absorbed. **Always follow label rates and instructions.**

### English Ivy Control –

#### *Manual Control:*

- 1) Recommended manual methods include digging and pulling. First, remove any flowering or fruiting portion within reach and bag for removal from the site. Next, hand dig and pull out all accessible portions of plants including roots. Note that all cut stems/roots must be removed from soil contact. If composting on site, use cardboard or wood to create a raised platform. Consider wearing gloves and protective clothing as ivy sap is known to cause a reaction in some individuals. Mulching an area will significantly reduce re-growth of ivy. To properly mulch, apply an 8 inch thick mulch layer. Plants should be cut and removed and then mulched, preferably with a layer of cardboard below the mulch.
- 2) Vertical ivy is controlled by girdling. To girdle vertical vines, cut the ivy vines at shoulder height and slightly above ground level. Remove the cut ivy section from the tree. This eliminates nutrient transport from the roots of ground ivy to the leaves and stems growing into the canopy of the tree. The lower cut

section of ivy stems and roots must be pulled at least 6 feet away from tree. Root and stem fragments can re-grow and must be composted in a manner similar to ground ivy.

**Chemical Control:** KCD licensed applicators will use aquatic approved herbicides to treat ground ivy during site preparation. Ivy leaves are waxy and difficult to penetrate with herbicides but the right concoction at the right label rate have proven to be about 80-90% effective. KCD will **always follow label rates, instructions and best available science.**

**Care and Temporary Storage of Purchased Plant Material** *Upon receiving the plant material, where will you store it and how will you care for it?*

All plant material should be stored in a cool location and well-watered prior to planting. In the case of bare root plants, inventory should be held in the source refrigerated facility as long as possible prior to planting. Bare root plants can be stored in the field for up to one to three weeks prior to planting by placing them in a shaded location where they will remain cool. Such a location should prevent freezing as well as exposure to warm temperatures. Additionally, bareroot inventory should be covered with a tarp to prevent drying. Bareroot stock that is expected to emerge from dormancy prior to planting should be "healed" into a soil bed. To heal-in, dig a v-shaped trench to a depth that accommodates covering the seedling roots when back-filled with soil.

**Installation** *Provide the following details: 1) Plant Installation Prescription: 2) Plant Protection Prescription: 3) Weed Suppression Prescription: 4) Erosion Control Prescription*

*1) Plant Installation Prescription:*

**Live Stake Inventory:** Live Stakes and whips should be planted using a planting bar. Stakes and whips are to be 3 to 4 feet long, and a minimum of ½ inch in diameter. Stakes should be stored in a bucket of water until planted. Buds should face up in the bucket. Soaking before planting greatly increases the survival of live stakes and whips. Refer also to the attached planting instructions in *Planting Live Hardwood Stakes*.

**Potted & Plug Inventory:** Potted plant material should be shovel planted to the same depth that they grew in the pot. Plants will be well watered prior to planting. Prior to digging a hole for the plant, prepare the planting location by removing a grass sod within a 1.5 feet diameter circle, being careful to remove roots as well as above ground portions of the plant. Dig a hole for the container in the center of this cleared circle twice the size of the plant's pot. Backfill the hole with soil while using care to avoid leaving air pockets in the soil. Refer also to the attached planting instructions in *Planting Container Trees and Shrubs*.

**Fencing** *Is fencing going to be installed? If so, what type, who will install it and when?*

Previously installed

**Planting Project Maintenance and Monitoring** *The planting must be inspected periodically and protected from damage so proper function is maintained. The goal for the project is to reach 80% survival after 3 years. Please describe the maintenance and monitoring plan.*

**King CD will maintain the project for 3-5 growing seasons. Maintenance activities will include control of invasive species and replanting if survivorship falls below 80%. The landowner is responsible for maintaining the project and providing photo documentation of practice maintenance for the remaining 10-12 years of the practice. Photos must be submitted by 9/1 of each year.**

Treatments must be inspected periodically and protected from damage so proper function is maintained and resource damage is minimized, including assessment of insects, disease and other pests, storm damage, and damage by trespass. The results of inspections shall determine the need for additional treatment under this practice.

Replace dead or dying trees and shrubs and control competing vegetation to support successful establishment. Periodic application of mulch may be needed to maintain plant vigor. Periodic harvest of trees and shrubs (thinning and brushing) may be necessary to maintain the health and vigor of the stand and support its development toward more mature stand conditions. Keep large dead and dying trees for cavity nesting wildlife and bird species and as a source of downed wood in the forest understory and in adjacent or interior aquatic habitats.

If areas were brushed in order to plant trees, maintain these openings until the leader of the tree surpasses the height of the surrounding vegetation.

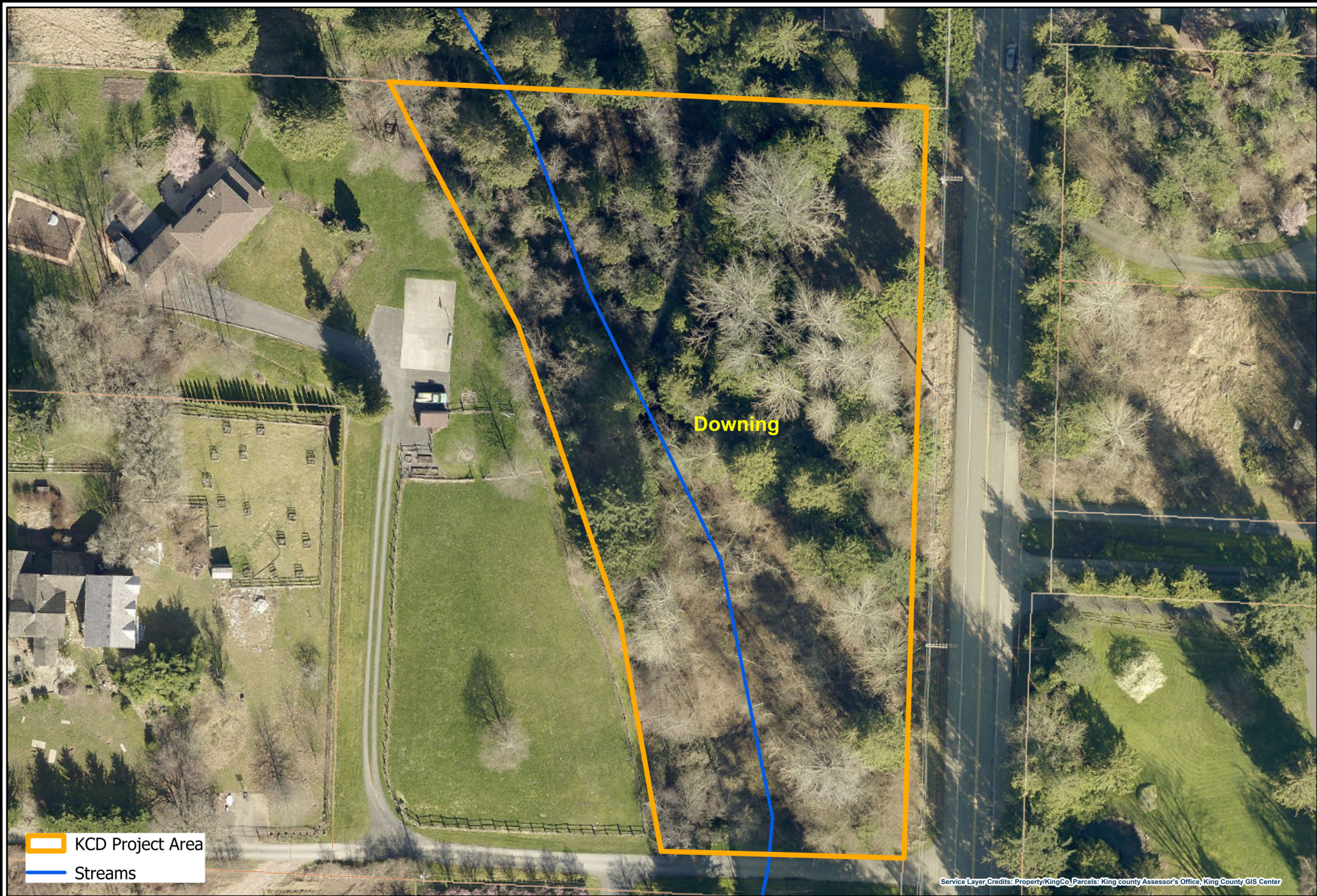
Where droughty soils and hot growing conditions are anticipated, supplemental watering is recommended. In such cases the District recommends watering planted nursery stock for a minimum of 3 summers following planting. Young bare root, container, and ball/burlap plants have a reduced root system that hampers their ability to survive during the dry summer months (July through October). Watering a minimum of once every two weeks during the dry summer will promote greater rates of survival. Watering once per week is preferable.



Monitor treatment areas for re-growth of non-native/invasive species and control accordingly. Utilize weed control techniques prescribed in the Site Preparation section of the Job Sheet. Species to monitor include Himalayan blackberry, reed canarygrass and any listed King County Noxious weeds.


All plant protection materials as well as any other non-biodegradable materials installed on-site will be removed within the 3-5 year project maintenance window.

### Additional Specifications and Notes:






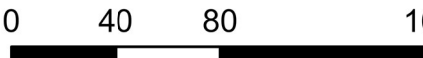
 KCD Project Area  
 Streams



**Downing**  
**20630 NE 92nd PI**  
**Redmond, WA 98053**  
**Parcel 0525069099**



Scale: 1:881



0 40 80 160 Feet



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April 13, 2022






 KCD Project Area  
 Streams

Service Layer Credits: Property\KingCo\Parcels: King county Assessor's Office, King County GIS Center



**Downing**  
**20630 NE 92nd PI**  
**Redmond, WA 98053**  
**Parcel 0525069099**



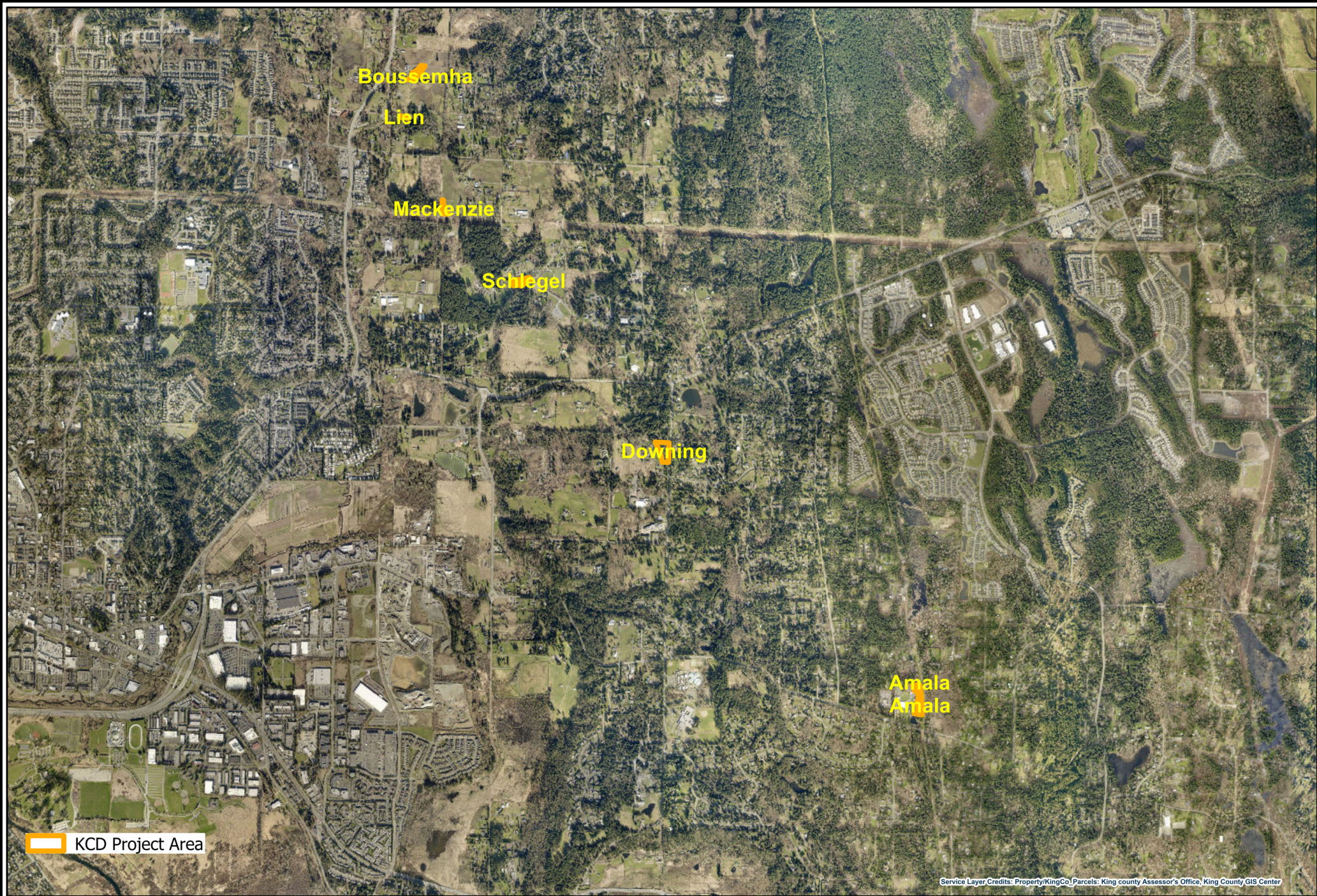
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0 62.5 125 250  
Feet


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**Downing**  
**20630 NE 92nd Pl**  
**Redmond, WA 98053**  
**Parcel 0525069099**



Scale: 1:33,769

0 1,500 3,000 6,000

Feet

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April 13, 2022



## Planting Plan - Downing

**Project Description:** If this project was funded, as proposed, the project would be a 85 foot riparian buffer on both the east and west sides of Bear Creek on the southern end of the property, with weed treatments occurring throughout the northern and southern sections. This would include approximately 500 linear feet for a 2.2 acre project. The northern half of the project (weed treatment) is approximately 220 linear feet for 1.10 acres and the southern half (restoration) is approximately 280 linear feet for 1.10 acres. Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, swamp rose, Pacific ninebark, red osier dogwood, salmonberry, Sitka willow and snowberry. Trees that would be well adapted for site conditions include: cascara, grand fir, Oregon ash, Pacific willow, red alder, western crab apple and western red cedar. It is estimated that 1000 plants would achieve density goals.

Type	Species	Total	Moisture, Sunlight	Source	Notes
<b>Trees - Wetter</b>					
	Black Cottonwood ( <i>Populus trichocarpa</i> )		Moist, part shade/full sun		
	Cascara ( <i>Rhamnus purshiana</i> )	50	Moist, part shade/full sun		
	Chokecherry ( <i>Prunus virginiana</i> )		Wet/moist, part shade/full sun		
	Oregon Ash ( <i>Fraxinus latifolia</i> )	50	Wet/moist, full sun		
	Pacific Crabapple ( <i>Malus fusca</i> )	50	Wet/moist, part shade/full sun		
	Sitka Spruce ( <i>Picea sitchensis</i> )		Wet/moist, part shade/full sun		
	Western Red Cedar ( <i>Thuja plicata</i> )	25	Wet/moist, full shade/part sun		
<b>Trees - Drier</b>					
	Big Leaf Maple ( <i>Acer macrophyllum</i> )		Moist, part shade/full sun		
	Bitter Cherry ( <i>Prunus emarginata</i> )		Moist/Dry, part shade/full sun		
	Douglas fir ( <i>Pseudotsuga menziesii</i> )		Moist/dry, sun/shade		
	Garry Oak ( <i>Quercus garryana</i> )		Dry, full sun		
	Grand Fir ( <i>Abies grandis</i> )	25	Moist/Dry, part shade/full sun		
	Madrone ( <i>Arbutus menziesii</i> )		Dry, full sun		
	Pacific Dogwood ( <i>Cornus nutallii</i> )		Moist/dry, part shade		
	Red Alder ( <i>Alnus rubra</i> )	50	Moist, part shade/full sun		
	Shore Pine ( <i>Pinus contorta</i> )		Dry, full sun		
	Western Hemlock ( <i>Tsuga heterophylla</i> )		Moist, part shade/full sun		
	Western White Pine ( <i>Pinus monticola</i> )		Moist/Dry, part shade/full sun		
	Willow, Pacific ( <i>Salix lasiandra</i> )	50	Wet, full sun		
	<b>Trees Total</b>	<b>300</b>			
<b>Shrubs - Wetter</b>					
	Black Hawthorn ( <i>Crataegus douglasii</i> )		Moist, part shade/full sun		
	Black Twinberry ( <i>Lonicera involucrata</i> )		Wet/moist, part shade/part sun		
	Douglas spiraea ( <i>Spiraea douglasii</i> )	100	Wet/moist, part shade/part sun		
	Pacific ninebark ( <i>Physocarpus capitatus</i> )	100	Wet/moist, full sun		
	Peafruited Rose ( <i>Rosa pisocarpa</i> )	100	Moist, full sun		
	Red Elderberry ( <i>Sambucus racemosa</i> )		Moist, shade/part sun		
	Red Osier Dogwood ( <i>Cornus sericea</i> )	100	Wet/moist, part shade/full sun		
	Black Gooseberry ( <i>Ribes lacustre</i> )		Moist, part shade/full sun		
	Wild Gooseberry ( <i>Ribes divaricatum</i> )		Moist, part shade/full sun		
	Salmonberry ( <i>Rubus spectabilis</i> )	100	Wet/moist, part shade/part sun		
	Willow, Hookers ( <i>Salix hookeriana</i> )		Wet/Moist, full sun		
	Willow, Scouler's ( <i>Salix scouleriana</i> )		Moist/Wet, part shade/full sun		
	Willow, Sitka ( <i>Salix sitchensis</i> )	100	Wet, full sun		
<b>Shrubs - Drier</b>					
	Evergreen Huckleberry ( <i>Vaccinium ovatum</i> )		Dry/Moist, shade/part sun		
	Hazelnut ( <i>Corylus cornuta</i> )		Moist/Dry, part shade/part sun		
	Indian plum ( <i>Oemleria cerasiformis</i> )		Moist, shade/part sun		
	Mock Orange ( <i>Philadelphus lewisii</i> )		Moist, part shade/part sun		
	Baldhip Rose ( <i>Rosa gymnocarpa</i> )		Dry/Moist, full sun		
	Blue Elderberry ( <i>Sambucus cerulea</i> )		Dry/Moist, full sun		
	Nootka Rose ( <i>Rosa nutkana</i> )		Moist/dry, full sun		
	Oceanspray ( <i>Holodiscus discolor</i> )		Dry/Moist, part shade/part sun		
	Red Flowering Current ( <i>Ribes sanguineum</i> )		Dry/Moist, part shade/full sun		
	Red huckleberry ( <i>Vaccinium parviflorum</i> )		Moist, shade/part sun		
	Pacific Rhododendron ( <i>Rhododendron Macrophyllum</i> )		Moist, shade/part sun		
	Serviceberry ( <i>Amelanchier alnifolia</i> )		Moist/Dry, full sun		
	Snowberry ( <i>Symphoricarpos albus</i> )	100	Moist/dry, part shade/full sun		
	Tall Oregon Grape ( <i>Mahonia aquilifolia</i> )		Dry/Moist, part shade/full sun		
	Thimbleberry ( <i>Rubus parviflorus</i> )		Moist, full sun, some shade		
	Vine Maple ( <i>Acer circinatum</i> )		Moist, part shade/part sun		
	<b>Shrubs Total</b>	<b>700</b>			

## Project Implementation Timeline

**Cooperator:** Emily Downing  
20630 NE 92nd Pl  
Redmond Wa 98053

**Parcel:** 525069099

### Landowner and KCD Objectives:

If this project was funded, as proposed, the project would be a 85 foot riparian buffer on both the east and west sides of Bear Creek on the southern end of the property, with weed treatments occurring throughout the northern and southern sections. This would include approximately 500 linear feet for a 2.2 acre project. The northern half of the project (weed treatment) is approximately 220 linear feet for 1.10 acres and the southern half (restoration) is approximately 280 linear feet for 1.10 acres. Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, swamp rose, Pacific ninebark, red osier dogwood, salmonberry, Sitka willow and snowberry. Trees that would be well adapted for site conditions include: cascara, grand fir, Oregon ash, Pacific willow, red alder, western crab apple and western red cedar. It is estimated that 1000 plants would achieve density goals.

### Other Considerations:

No heavy equipment will be used during the installation of the project. Only hand tools and hand held brushcutters will be used. Washington State Aquatic Herbicide permit will be obtained before any herbicide is sprayed on site.

Land Use: Residential

Management Area/ Acreage	Month/Year	Description of Activities
Northern 1.10 Acres (Weed Management)	Summer/ Fall 2022	<b>Site Prep</b> - KCD use a combination of manual and chemical treatment to treat non-native vegetation. Herbicides will applied by State Licensed applicators using aquatically appro
Southern 1.10 Acres (Restoration)	Summer/ Fall 2022	<b>Site Prep</b> - KCD use a combination of manual and chemical treatment to treat non-native vegetation. Treatments will include 1 mechanical treatment and 1-2 chemical treatmnets. Herbicides will applied by State Licensed applicators using aquatically approved herbicides and surfactants.
Northern 1.10 Acres (Weed Management)	Winter 2022	<b>No Activity</b>
Southern 1.10 Acres (Restoration)	Winter 2022	<b>Planting</b> - KCD crews will install 1-2 gallon native trees and shrubs according to the planting plan which will specify species. All plant material will be will be sourced from local stock.
Northern 1.10 Acres (Weed Management)	Summer 2023- 2026	<b>Maintenance</b> - KCD crews will maintain the plantings for 3 to 5 seasons following installation. Maintenance will include the control of non-native vegetation. Chemical,mechanicaland manual techniques will be implemented.
Southern 1.10 Acres (Restoration)	Summer 2023- 2026	<b>Maintenance</b> - KCD crews will maintain the plantings for 3 to 5 seasons following installation. Maintenance will include the control of non-native vegetation. Chemical,mechanicaland manual techniques will be implemented.

**Agenda Action Briefing/Report AI 22- 030****SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Deepa and Victor Iyer, for a Stream Crossing, in the amount of \$36,000.00.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$460,644.96</b>
Current Request	<b>\$36,000.00</b>
Balance Remaining	<b>\$424,644.96</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Iyer's own and operate the Ayeko farm, which is a hobby farm located in unincorporated Enumclaw. The Iyer's purchased their farm in 2018 after participating in the Cultivating Success program through WSU. Their goals are based around building space for community to thrive as they grow and share knowledge of cultivating culturally relevant crops in the eastern, upland portion of their property. The lower areas of their farm to the west and south west of their crops and house include approximately 7 acres of pasture on which they currently graze 7 horses and 2 cows. The farm's western property line borders Newaukum Creek, a modified drainage ditch is fed from a spring originating from the neighboring property to the south and flows through the center of the farm parcel before joining the Creek at the north west corner of the property.

Newaukum Creek is designated as a critical spawning area for several important fish species, including Puget Sound Chinook, Coho, Chum, Pink, Sockeye, Steelhead/Rainbow, and Cutthroat Trout. Portions of the Creek are unhealthy for fish as stream temperatures, fecal coliform, and dissolved oxygen levels routinely exceed Washington State Standards for salmon spawning, incubation and juvenile rearing.

Currently, a 24" culvert is clogged and blocking the ditch from conveying water in both north/south directions. Surface water has been spreading across the pasture during high rainfall events as a result of the blocked culvert, potentially stranding salmonids. Additionally, livestock currently use the crossing to access the pasture and are not restricted from access to the ag ditch, and have increased compaction and sediment, nutrients and other pollutant runoff into the watercourse.

This Stream Crossing application proposes to replace the existing culvert with an approximately 20 ft long by 10.3 ft wide concrete bridge that will include fenced barriers to exclude livestock from accessing the stream when crossing and provide safe passage. This Stream Crossing BMP is being installed in conjunction with a larger ADAP project which will remove sediment from approximately 1,500 feet of the ditch to improve drainage of excess surface water from the pasture. The Iyer's also are enrolled in the NRCS Conservation Reserve

**Agenda Action Briefing/Report AI 22- 030**

Enhancement (CREP) program to implement a 100 foot riparian forest buffer along the property boundaries that border Newakum Creek and a minimum 15 foot buffer along the ag ditch, as well as install a buffer fence to protect the plantings from livestock. The Iyer's have a 2019 LIP cost-share contract to help co-fund the installation costs for the buffers.

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Deepa and Victor Iyer, for Stream Crossing in the amount of \$36,000.00.

**MOTION**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Deepa and Victor Iyer, for Stream Crossing, in the amount of \$36,000.00.



# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## Section 2. Project Information

<b>Best Management Practice (BMP):</b>
<b>Project Completion Date</b> ( <i>month and year</i> ):
<b>Current Site Conditions</b> ( <i>Provide a brief summary of resource management problem addressed by BMP: also note if streams, wetlands, and steep slopes are near or within the project area</i> ):          
<b>Project Details</b> ( <i>Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.</i> ):          
<b>Maintenance Plan</b> ( <i>Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.</i> ):          

<b>Permits</b> <i>(List all permits required to complete this project):</i>  
<b>Photos:</b> Before photos must be submitted with this application.

Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? Yes No  
If yes, please list contract number and BMP below:

B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? Yes No  
Please describe below:

1. King County Cost-share  
Please list practices and date installed below:

2. NRCS EQIP (Natural Resources Conservation Service’s Environmental Quality Incentive Program  
Please list practices and date installed below:

3. Other  
Please list agency and describe project:

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant’s statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- Select this box if you intend to request partial reimbursement as the project is installed.

## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project? Yes No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- A. I understand the lifetime of the BMP is \_\_\_\_ years.
- B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. \_\_\_\_\_ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. \_\_\_\_\_ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. \_\_\_\_\_ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. \_\_\_\_\_ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.

\_\_\_\_\_ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney's fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. \_\_\_\_\_ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. \_\_\_\_\_ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_ (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_ (Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP installation and maintenance.

I understand KCD will provide a sign free of charge after completion of a project, and I agree that: \_\_\_\_\_ (Initial Here)

- a. I will select a visible location on my property for display of the sign and will install it.
- b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant

Date

Signature of Landowner (if applicant if Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:





# Landowner Incentive Program

## Applicant Budget

Cooperator: \_\_\_\_\_ lyer

Budget Items	Units	Cost
Stream Crossing Farm Bridge	40.00	\$53,000.00
20 foot bridge with approximatly 20 ft grading (10 each side)		
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$53,000.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$ 48,000.00
Units	Linear Feet	26.67
Cost/Unit		\$ 1,350.00

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management		
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing	x	\$ 36,000.00
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

**Amount eligible for reimbursement**  
(based on 2015 rates)

**\$36,000.00**



Local Food  
Healthy Forests  
Clean Water  
Better Ground

# Job Sheet

## Stream Crossing

Cooperator: Deepa & Victor Iyer	Lifetime of Practice: 10 years
---------------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Reduce streambank and streambed erosion.	<input checked="" type="checkbox"/> Provide crossing for access to another land unit.
<input checked="" type="checkbox"/> Improve water quality by reducing sediment, nutrient, organic, and inorganic loading of the stream.	<input checked="" type="checkbox"/> Remove a fish passage barrier in combination with installing fish passable crossing structure.

**Summarize the Project Proposal.** *Provide the following: 1) describe project activities, including permitting, site prep, installation, and maintenance and monitoring; 2) describe the anticipated project outcome (e.g. fish and wildlife benefits, other environmental benefits); and 3) outline the project implementation timeline.*

1) This is a project to remove and replace a fish passage barrier on a modified agricultural ditch on a 21.3 acre farm in the Enumclaw area. Currently, a 24" concrete pipe is clogged and blocking the ag ditch from conveying water in both north/south directions. Surface water has been spreading across the pasture during high rainfall events as a result of the blocked culvert. There are seven horses and two bulls that currently use this crossing and have increased compaction and sediment runoff into the watercourse. The WDFW HPA has been verbally approved during a site visit in March 2022. This crossing will be installed as part of an ADAP project. All ADAP BMP's will be followed including placing coffer dams in watercourse, creating temporary stream diversion, dewatering, and safely removing and relocating all aquatic life to Newuakum creek that is approx. 500' to the west. The bridge installation will consist of digging footings and filling with crushed rock, concrete 'Kelly block' abutments and then precast concrete slabs (decking) will be mounted to the footings. The farm bridge will be 10.33' x 20'. There will be a livestock guardrail attached to the decking. All measures will be taken to control erosion and all areas disturbed by heavy equipment will be reseeded. A buffer planting of at least 12' is planned and fencing will be installed to ensure livestock are not consuming any new plants. The contracted bridge engineer will inspect all materials prior to install and will ensure all steps have been completed according to his plans. The Iyer family will be responsible for maintaining the bridge and inspecting for any issues. This will be in there MOU.

2) The anticipated outcome is that the watercourse will flow freely north/south under the new farm bridge and livestock can cross over safely. The watercourse will have better water quality, less sediment, and will be less likely to spill out into the pasture and strand salmonids during high rainfall events. Ultimately, there will be a buffer planting along approx. 1600' of the ag ditch with a livestock fence. The completed project will help to rehabilitate the pasture, reduce reed canary grass, and open up salmonid passage dispersing from nearby Newaukum creek. The Iyer's will be able to access the lower pasture safely with farm machinery after a new crossing is installed.

3) This project will be HPA permitted by may 20, 2022. There is a pre-bid site set for April 13<sup>th</sup>, 2022. A contractor will be selected by may 10<sup>th</sup>, 2022. The HPA window is from July 1<sup>st</sup> thru Sept 30<sup>th</sup>, 2022. Anticipated start time will be in the driest time within this window to hopefully have the least amount of

water present in ditch as possible. This time is usually between August 1<sup>st</sup>-20<sup>th</sup>. The bridge install will be completed first and the ag ditch will be dredged last. The buffer planting will be installed either in the fall of 2022 or winter 2023. The fencing will be installed soon after plantings are in the ground.

**Describe Project Area.** *Provide the following: 1) extent of project area above and below ordinary high water mark; 2) dimensions of site; and 3) briefly describe the existing vegetation and habitat conditions.*

- 1) The removal of the 24" culvert will occur below OHWM. Digging the bridge footings will occur outside of the OHWM. Placing the bridge decking will occur outside of the OHWM.
- 2) The existing crossing connects approx. 13 acres of the upland portion of the farm to the lower 7 acres of pasture. The proposed farm bridge is 10.33' x 20'. The total area where work will take place to replace the stream crossing is approx. 50' x 50'.
- 3) The existing vegetation around the current crossing is mostly reed canary grass with a mix of fescues. There are clusters of alder trees within 100' of the crossing in the upland farm area. Current habitat conditions are not ideal for aquatic animals, native vegetation, or healthy livestock forage. There are invasive weeds, many areas with soil compaction, and much of the pasture is too wet for too long to support healthy livestock forage.

**Name and type (S, F or N, wetland I, II, or III) of waterway to be crossed.**

The proposed new crossing will be placed over a modified agricultural watercourse. This has been defined by King County as a 'High' modified ag watercourse that means there is a high likelihood of finding salmonids. On the state level, this would be defined as a type F waterway.

**Land Uses and Associated Impacts.** *Provide the following: 1) describe how the property is used (e.g., residential, commercial, recreational); 2) describe adjacent properties, including land uses and any potential adverse impacts to adjacent properties associated with the proposed project.*

- 1) This is a private residence. The Iyer family operates a small hobby farm. Currently, the lower pasture area is used for grazing by seven horse and two bulls.
- 2) Adjacent properties are all residential properties with some agricultural use occurring. The proposed project will not cause any harm to neighboring properties. This project will likely improve seasonal flooding impacts for neighboring properties.
- 3)

**List the intended use (people, livestock, equipment, or vehicles).** *Also include the stream crossing dimensions and project materials. Please attach an engineer approved design.*

The intended use for this crossing is for livestock and farm machinery including front loaders and haying equipment. The bridge is rated at HS-20 loading capacity. HS-20 is the truck live loadings of the AASHTO specification, where H stands for highway, S stands for semi-trailer, 20 stands for 20-ton weight of the tractor (first two axles). Each axle will carry the loads as follow, the first axle carries 8,000 pounds, the second axle, 14

feet away carries 32,000 pounds and a single-axle semitrailer 14-30 ft away from the second axle carries 32,000 pounds. This load capacity is more than enough to handle large farming machinery.

The farm bridge is 10.33' x 20' and is made with precast concrete slabs (decking) and concrete footings (Kelly Blocks). The engineer's design is attached.

**Grading and Demolition Activities.** *Describe the plan to remove structures (failing culvert, etc.) and grade project areas, including specific construction methods and equipment to be used.*

The existing 24" concrete culvert will be excavated for removal. The approaches to enter and exit the bridge will match existing farm road grade elevations. Engineer will be on site to ensure elevations are correct. Heavy equipment will need to be a shovel excavator. Please see engineers plan for further details.

**Habitat Restoration Activities.** *Provide the following that apply: 1) describe site preparation activities (e.g. weed control, substrate to be applied, soil amendment to used); 2) identify the type and source of plant materials (e.g. potted, bareroot, ball and burlap and native plant nurseries providing plant material; 3) describe the care and temporary storage of plant materials; 4) describe installation plan (e.g. planting plan, installation techniques, sheet mulching, etc.); 5) describe maintenance and monitoring plan (e.g. number of years to be conducted, survival data collection, etc.).*

- 1) Weed control will consist of spraying RCG and possibly using weed fabric in some areas.
- 2) Native plants will be installed consistent with site conditions.
- 3) Plants will be delivered to site and installed in cooler months to reduce drying out potential.
- 4) The 12' buffer will consist of 3 rows of plantings with each plant installed at 3' off center. There will be a mix of bare root and potted plants.
- 5) There will be three years of maintenance and monitoring provided for the native buffer.

**Permits.** *Provide the following: 1) a list of all permits necessary for approval of project; 2) copies of all permits secured to date.*

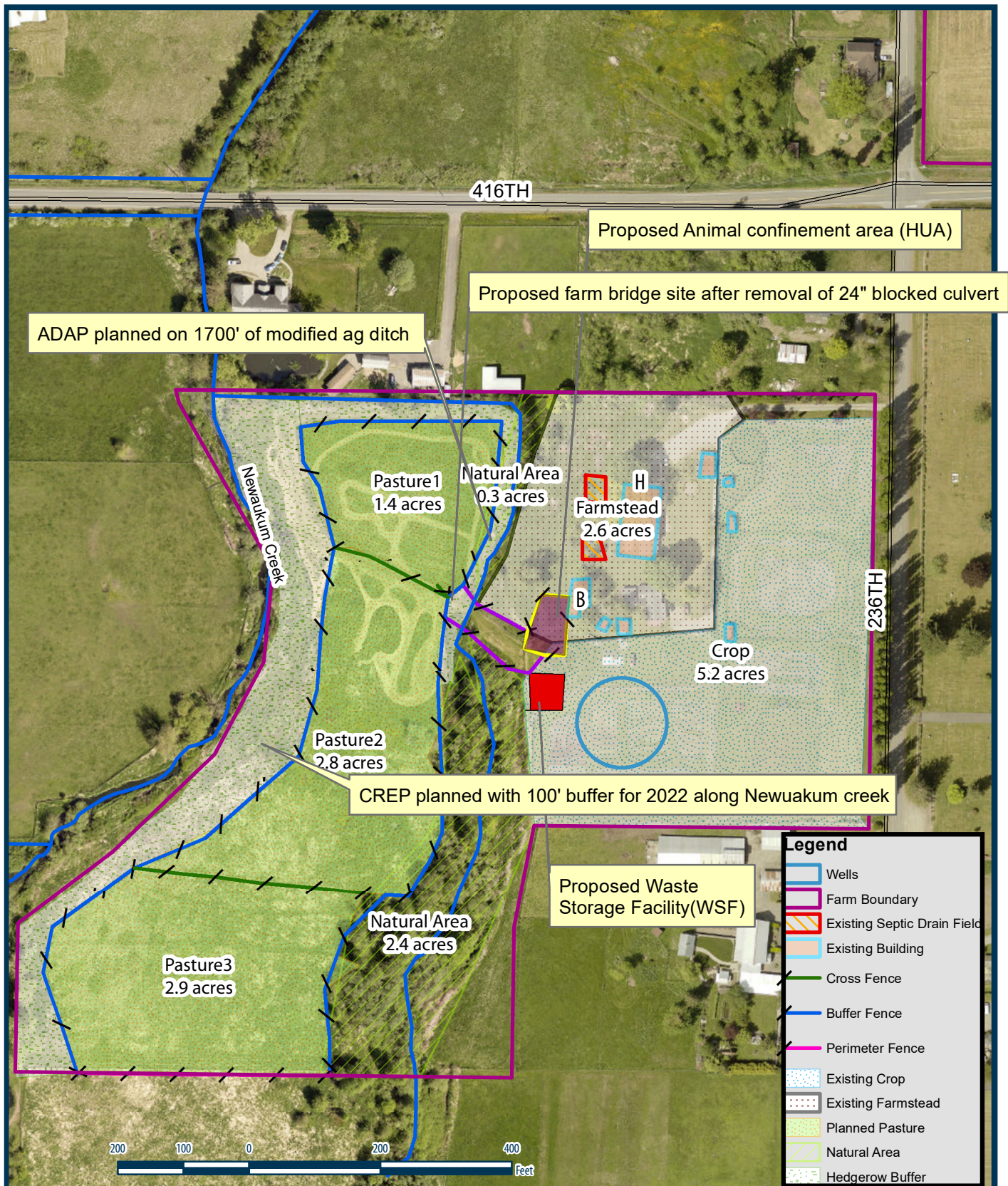
- 1.) A WDFW HPA has been verbally approved and expect to have a hard copy by May 20<sup>th</sup> 2022.

**Operation and Maintenance.** *According to the following Washington State laws, WAC 220-110-070 and RCW 77.55.060, the owner of a road culvert, or ford that is a fish passage facility is responsible for maintaining its fish passage functions as well as maintenance of the structure. For example, The stream crossing, appurtenances, and associated fence should be inspected after each major storm event, with repairs made as needed.*



--

<b>Additional Specifications and Notes:</b>



Landowner Name: <b>Iyer Farm</b>		Map Type: <b>Planned Conditions Map</b>	Directional: <b>NW</b>
Address: <b>41633 236th Ave SE</b>		KCD Staff Name: <b>Liz Stockton</b>	Section: <b>15</b>
<b>Enumclaw, WA 98022</b>		Map Date: <b>March 23, 2022</b>	Township: <b>20</b>
Acres: <b>21.3</b>	Parcel #(s): <b>152006-9036</b>		Range: <b>6</b>

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1:2,500

# King Conservation District - Iyer Bridge Project

## Install 12' x 20' Slab Bridge

Cost Estimate 1/13/21 (Standard Wages)

Item	Units	Qty	Rate	Cost
<b>Materials</b>				
12' x 20' Modular Slabs (CTC)	Each	3	\$3,850	\$ 11,550
Kelly Blocks (4x2x2 standard)	Each	22	\$90	\$ 1,980
2x2x2 ½-block	Each	4	\$75	\$ 300
4x2x2 Flat top (cap block)	Each	6	\$90	\$ 540
4000 psi concrete	Each	26	\$50	\$ 1,300
Freight	Each	2	\$700	\$ 1,400
Timber curbs (4x10 x 20')	Each	2	\$80	\$ 160
Conc (3000 psi)	CY	1.5	\$400.00	\$ 600
Hi-strength Grout (4± cf)	sack	15	\$15.00	\$ 225
Ballast/pit-run (delivered)	CY	180	\$35.00	\$ 6,300
Abutment Bedding (5/8" delivered)	CY	10	\$50.00	\$ 500
Base Reinforcement (light rip-rap)	CY	15	\$40.00	\$ 600
Surfacing (1¼" delivered)	CY	20	\$50.00	\$ 1,000
Rip-Rap	CY	0	\$0.00	\$ -
Materials Sub-Total				<b>\$ 26,455</b>
WSST		8.6%		<b>\$ 2,275</b>
<b>Total Estimated Material Cost</b>				<b>\$ 28,730</b>
<b>Installation</b>				
Clear & Grub (inc waste area)	ac	0.1	\$2,000	\$ 200
Sediment Control & Water Bypass	LS			\$ 500
Bridge Installation				
Labor	2 days x 2 men	4	\$440	\$ 1,760
Excavator (300 size)	1 @ 2 days	2	\$1,376	\$ 2,752
Excavator (200 size)	1 @ 1 days	1	\$1,376	\$ 1,376
Waste truck (85 cy)	1 x 1 days	1	\$920	\$ 920
Spread Cat	½ days	0.5	\$920	\$ 460
Grout & Conc labor	2 days x 2 men	4	\$440	\$ 1,760
<b>Misc</b>				
Misc. Equipment (compactors, etc)	LS			\$ 1,000
Hydroseeding (Seed & Mulch)	LS			\$ 500
Mobilization & Travel	LS			\$ 3,500
Misc Materials (rebar, fasteners, etc.)	LS			\$ 250
Contractor Materials Mark-up		12%		\$ 1,223
Labor Sub-Total				<b>\$ 16,201</b>
WSST		8.6%		<b>\$ 1,393</b>
<b>Estimated Installation Cost</b>				<b>\$ 17,594</b>
<b>Total Estimated Project Cost (non-prevailing wages)</b>				<b>\$ 46,324</b>
<b>KCD Supplied Materials</b>				<b>\$ 18,538</b>
<b>Contractor Est Bid</b>				<b>\$ 27,786</b>



IYER/236TH FARM CROSSING PROJECT  
KING CONSERVATION DISTRICT (ADAP)

PLAN VIEW

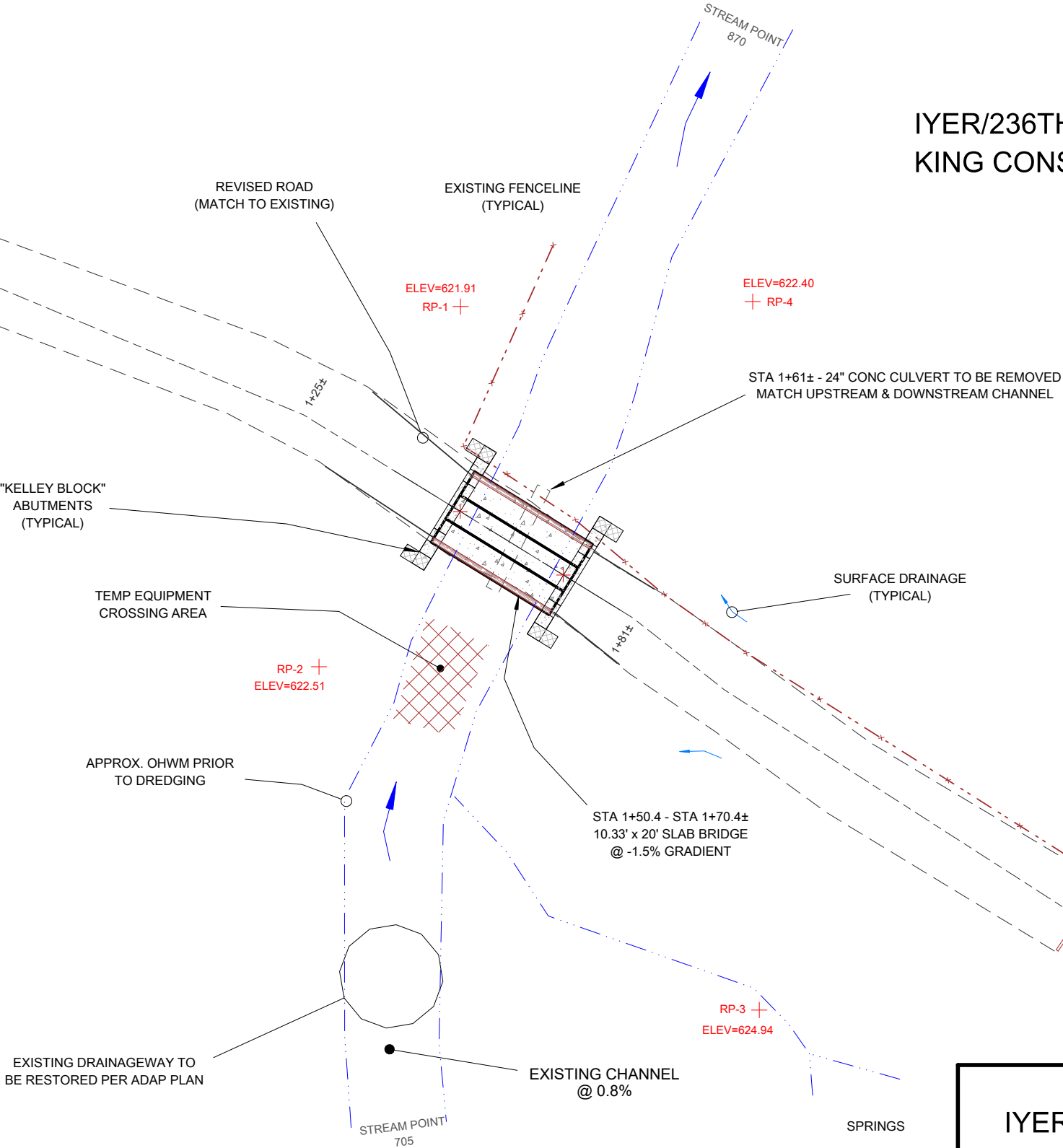
INDEX TO SHEETS	
PLAN VIEW	1
PROFILE VIEWS	2
BLOCK DETAIL	3
STAKING DETAIL	4



PROJECT AREA

LATITUDE: N 47.226422°  
LONGITUDE: W 122.029142°

GENERAL NOTES:  
SURVEY INFORMATION BASED ON COMPASS AND LASER SURVEY; MERIDIAN  
AND ELEVATION PROVIDED BY KING COUNTY ADAP.  
CHANNEL DESIGN BY KING COUNTY ADAP.



IYER / 236th FARM BRIDGE PROJECT

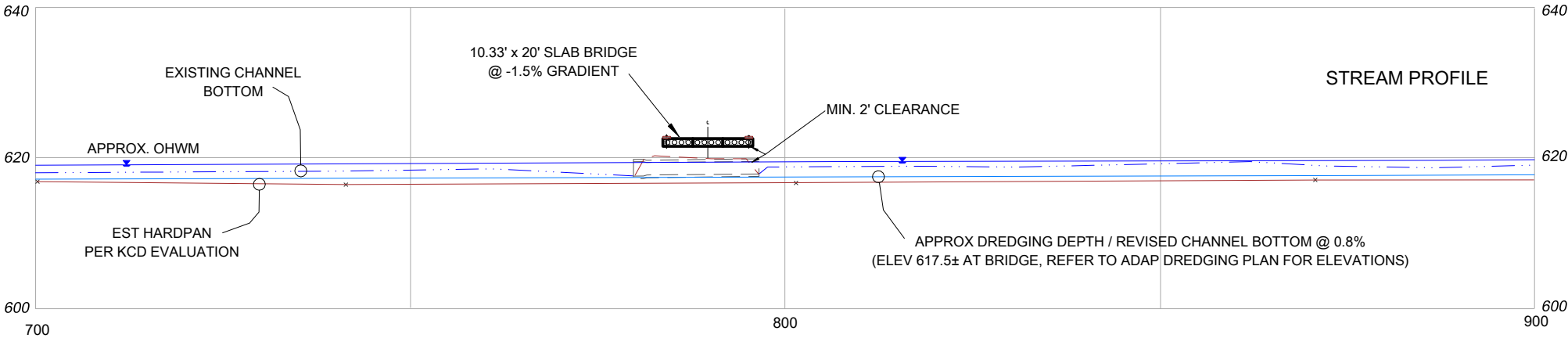
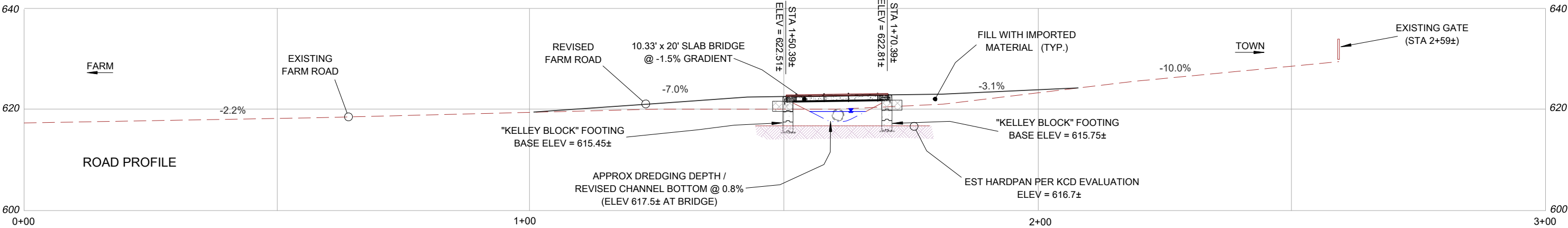
KING CONSERVATION DISTRICT  
AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM (ADAP)

DATE APRIL 29, 2021	DRAWN PACIFIC FOREST RESOURCES ENUMCLAW, WA	REV 2/9/2022
SCALE 1" = 20'	41633 236th SE ENUMCLAW, WASHINGTON 98022	SHEET 1 of 4



IYER/236TH FARM CROSSING PROJECT  
KING CONSERVATION DISTRICT (ADAP)

PROFILE VIEWS



12-20-21

GENERAL CONSTRUCTION NOTES

- 1) THE PROPOSED 10.33' WIDE x 20' LONG BRIDGE IS LOAD-RATED FOR HS-20 VEHICLES AND SHALL HAVE A CONCRETE SURFACE, TRACKED VEHICLES OVER 40,000 LBS. SHALL UTILIZE A TEMPORARY STREAM CROSSING SIMILAR TO AS SHOWN. THE BRIDGE IS TO BE FOUNDED ON "KELLEY-BLOCK" CONCRETE BLOCK ABUTMENTS SIMILAR TO AS SHOWN. REFER TO SHEET 3 FOR ADDITIONAL INSTALLATION AND ASSEMBLY DETAILS.
- 2) BRIDGE STRUCTURE CONSISTS OF 3 PRECAST CONCRETE PANELS MANUFACTURED BY CONCRETE TECHNOLOGY CORP, EACH 4' X 20', WEIGHING 6800± LBS. REFER TO SHEET 3 AND MANUFACTURER'S PLANS (SHEET H-1) FOR CONNECTION DETAILS.
- 3) WHERE AN EQUIPMENT CROSSING IS REQUIRED OVER STREAM, LOGS (12"+) OR OTHER SUITABLE DUNNAGE SHALL BE USED FOR EQUIPMENT CROSSING TO PROTECT CHANNEL BED.
- 4) STREAM CHANNEL TO BE MODIFIED PER ADAP'S DRAINAGEWAY RESTORATION PLAN (REFER TO PLAN FOR STREAM ELEVATIONS/DETAILS). STREAMFLOW DIVERSION, DEWATERING AND DE-FISHING TO BE BASED ON BMP'S OUTLINED IN THE ADAP RESTORATION PLAN.
- 5) REVISED ROAD WIDTH THROUGH PROJECT AREA SHALL TAPER TO MATCH EXISTING ROAD SIMILAR TO AS SHOWN; FILLSLOPES SHALL NOT EXCEED 2:1; ROAD TO BE CROWNED AT 2%.
- 6) ALL WORK SHALL BE IN ACCORDANCE WITH APPROVED HPA FOR THE PROJECT.
- 7) MATERIAL SELECTED FOR ROAD FILL SHALL BE APPROVED BY ENGINEER PRIOR TO PLACEMENT. ROAD FILL MATERIAL SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT.
- 8) ALL DISTURBED SOILS (INCLUDING WASTE AREAS) SHALL BE PROTECTED AS OUTLINED IN THE ADAP PLAN FOR THE DRAINAGEWAY RESTORATION.
- 9) 100-YEAR FLOW (OHWM) ELEVATION PER THE KING COUNTY ADAP PLAN.



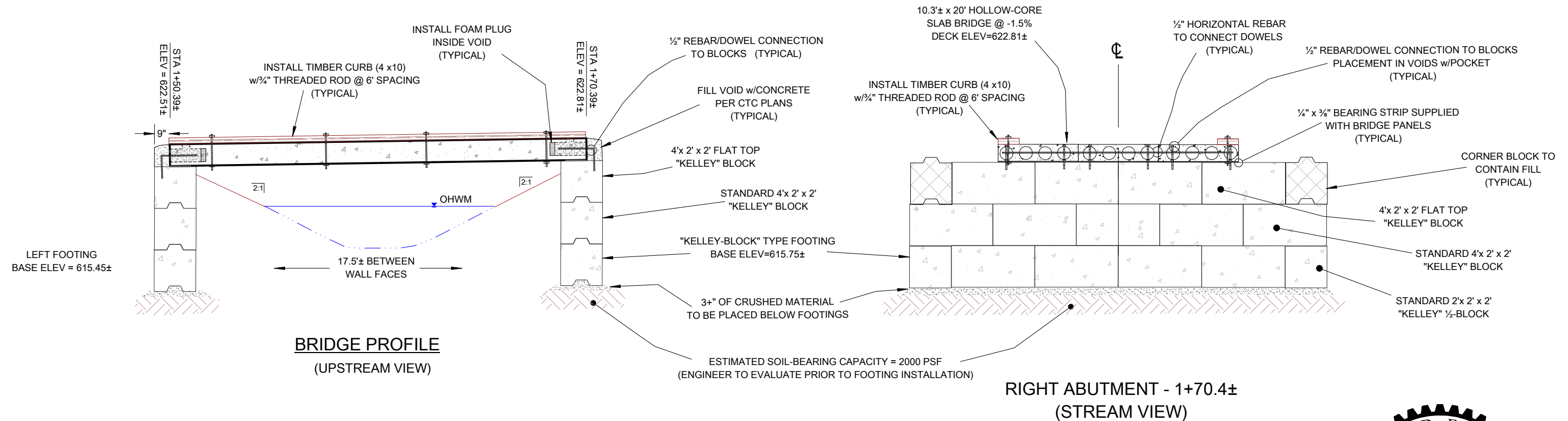
IYER / 236th FARM BRIDGE PROJECT

KING CONSERVATION DISTRICT  
AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM (ADAP)

DATE APRIL 29, 2021	DRAWN PACIFIC FOREST RESOURCES ENUMCLAW, WA	REV 12/20/2021
SCALE 1" = 20'	41633 236th SE ENUMCLAW, WASHINGTON 98022	SHEET 2 of 4

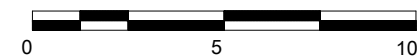


IYER/236TH FARM CROSSING PROJECT  
KING CONSERVATION DISTRICT (ADAP)  
ABUTMENT INSTALLATION DETAIL



**DECK & ABUTMENT INSTALLATION NOTES**

- 1) LEFT ABUTMENT (STA 1+50.4±) IS SIMILAR TO RIGHT AS SHOWN. BASE ELEVATION OF LEFT ABUTMENT IS 615.45± AND DECK ELEVATION IS 622.51.
- 2) ENGINEER SHALL EVALUATE BASE FOUNDATION MATERIAL PRIOR TO FOOTING INSTALLATION. ADDITIONAL REINFORCEMENT MAY BE REQUIRED BEFORE PLACEMENT OF BASE BLOCKS.
- 3) BOTTOM BLOCK TO BE PLACED ON AT LEAST 3-INCHES OF CRUSHED ROCK (5/8" MINUS RECOMMENDED) PLACED BELOW ABUTMENT FOOTING AS LEVELING COURSE AND COMPACTED TO 90% STANDARD DENSITY (OR AS APPROVED BY ENGINEER).
- 4) DECK IS COMPOSED OF THREE 4-FOOT WIDE x 20-FOOT LONG HOLLOW-CORE PANELS, EACH WEIGHING APPROXIMATELY 6800 LBS. LIFTING APPARATUS MAY BE RENTED FROM CTC, SUCH ARRANGEMENTS SHALL BE MADE BY THE CONTRACTOR.
- 5) HOLES SHALL BE DRILLED INTO TOP BLOCKS TO FACILITATE ATTACHMENT OF REBAR SIMILAR TO AS SHOWN.
- 6) REBAR CONNECTIONS TO BE PLACED IN DECK VOIDS WITH POURS SLOTS (MINIMUM 1 PER PANEL).
- 7) CONCRETE TO FILL VOIDS SHALL BE MINIMUM 3000 PSI.
- 8) REFER TO ATTACHED SHEET H-1 (MANUFACTURER'S PLANS) FOR ADDITIONAL DECK AND GUIDERAIL INSTALLATION DETAILS/GUIDELINES.
- 9) THE 4"x10" CURB AS SHOWN IS INTENDED AS A SEDIMENT CURB FOR SURFACE DRAINAGE. CURB SHALL BE THROUGH-BOLTED TO DECK WITH 3/4-INCH THREADED ROD AND BOLTS. AN ADDITIONAL HANDRAIL/GUIDERAIL SYSTEM MAY BE INSTALLED AT LANDOWNERS DISCRETION.
- 10) STAKING AS SHOWN ON SHEET 4 IS TO CL FACE OF ABUTMENTS.



12-20-21

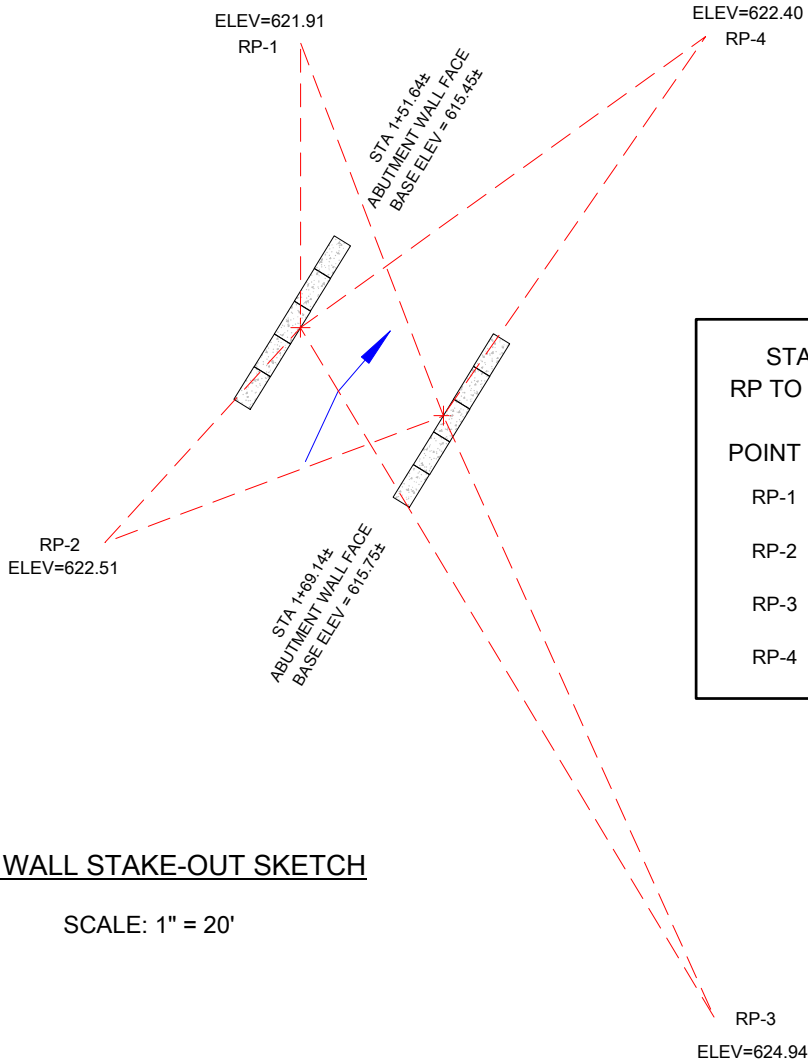
**IYER / 236th FARM BRIDGE PROJECT**

**KING CONSERVATION DISTRICT  
AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM (ADAP)**

DATE APRIL 29, 2021	DRAWN PACIFIC FOREST RESOURCES ENUMCLAW, WA	REV 12/20/2021
SCALE 1" = 5'	41633 236th SE ENUMCLAW, WASHINGTON 98022	SHEET 3 of 4

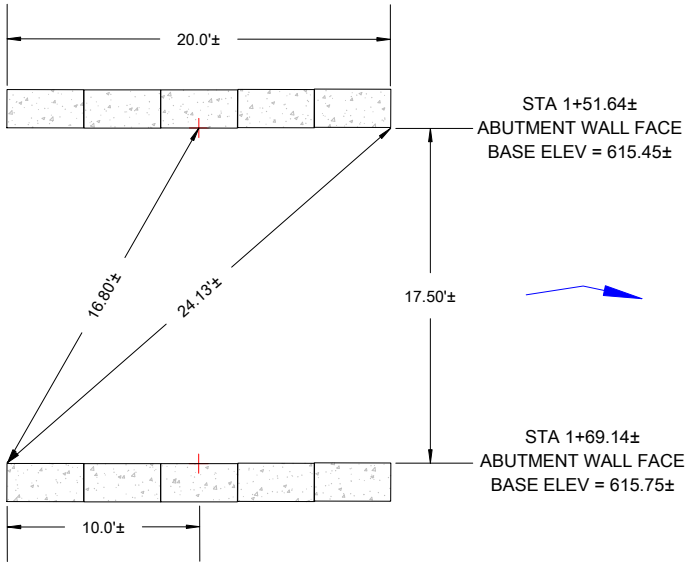
IYER/236TH FARM CROSSING PROJECT  
KING CONSERVATION DISTRICT (ADAP)

STAKE-OUT DETAIL



ABUT WALL STAKE-OUT SKETCH

STAKE-OUT TABLE RP TO CL OF WALL FACE		
POINT	1+51.6±	1+69.1±
RP-1	29.62'	41.55'
RP-2	30.33'	37.72'
RP-3	84.00'	68.94'
RP-4	52.02'	48.06'



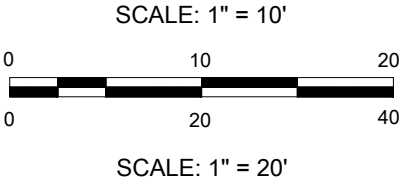
BASE BLOCK ALIGNMENT

ESTIMATE OF QUANTITIES:	
FILL REMOVAL (BANK-RUN)	85± CY
IMPORTED FILL / BALLAST	180± CY
¾" LEVELING ROCK	10± CY
BASE REINFORCEMENT	15± CY
4x10x20' CURBS	2
TAR PAPER	40± FT²
MISC ½" REBAR	40± FT
TIMBER FASTENERS	8
CONCRETE (3000 PSI)	1.4± CY
HIGH STRENGTH GROUT	4± CF
NOTE: THIS QUANTITY LIST IS INTENDED MERELY AS A TOOL FOR ESTIMATING PURPOSES AND SHOULD NOT BE CONSIDERED EXACT. PROSPECTIVE BIDDERS ARE ENCOURAGED TO VERIFY QUANTITIES.	

MATERIAL HANDLING WEIGHTS	
DECK PANELS (3 PIECES)	6800± LBS EACH
TOP BLOCKS (8)	2400± LBS EACH
STANDARD BLOCKS (22)	2400± LBS EACH
½-BLOCKS (4)	1200± LBS EACH



12-20-21



NOTE: ALL DIMENSIONS ARE HORIZONTAL.

IYER / 236th FARM BRIDGE PROJECT		
KING CONSERVATION DISTRICT AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM (ADAP)		
DATE APRIL 29, 2021	DRAWN PACIFIC FOREST RESOURCES ENUMCLAW, WA	REV 12/20/2021
SCALE AS SHOWN	41633 236th SE ENUMCLAW, WASHINGTON 98022	SHEET 4 of 4

IYER AGRICULTURAL WATERWAY MAINTENANCE PLAN  
KING COUNTY AGRICULTURAL DRAINAGE ASSISTANCE PROGRAM

VICINITY MAP

INDEX



SHEET TITLE

SHEET NUMBER

Cover Page  
Notes  
Plan Map  
Profile View  
Section View  
Planting Plan

1  
2-3  
4  
5  
6  
7

FIELD BOOK: _____		APPROVED: _____		 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	COVER PAGE  Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022	SHEET 1 OF 7 SHEETS 2/16/22
SURVEYED: FLB MAR 2021		PROJECT MANAGER: _____					
SURVEY BASE MAP: _____		DESIGNED: _____					
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____					
NUM.	REVISION	BY	DATE				



Notes:

Total maintenance length to be included in this project is the entire length of the channel from the junction with Newaukum Creek on the Iyer property. The majority of the proposed work for this project will be as follows:

Waterway Classification	Length	Note
Low Modified	1,521	Includes replacment of an existing culvert with a farm bridge at approximately station 7+94.

A Bridge is specified to replace one existing culvert. The bridge design and plan is being provided by Pacific Forest Resources and is refered to as the "Bridge Plan". Work specified in the Bridge Plan is considered to be part of this ADAP maintenance plan.

Follow up spot dredging, vegetation removal and beaver dam removal may need to occur after the dredging and planting is complete. .

Actual length may be more or less than total listed, and will be based on assessments made onsite at the time of excavation. The landowner is under no obligation to perform the work shown in this plan in part or whole, except for that portion of planting that is required once dredging is performed.

1. Estimated dredge volume: approximately 1,050 cubic yards (yd<sup>3</sup>)
2. All work shall be performed in accordance with King County’s agreement for best management practices for maintenance of agricultural waterways (BMPs), the Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA), and the King Conservation District (KCD) farm plan.
3. In–channel work will occur within the time frame allowed by the HPA.
4. Spoils may be spread on farm fields to a depth no greater than 6 inches or removed from the site and disposed of in a legal manner.
5. Fish relocation may be performed by King County, at the direction of the KC ADAP representative and with coordination by the maintenance contractor or landowner. Staffing shortages, health restrictions and other conditions may extend the timeline the county can reasonably provide resources.
6. A 1–hour pre–construction meeting, including the landowner or landowner’s representative, the maintenance contractor and a King County ADAP employee, is required prior to the start of any maintenance activities.
7. It is the contractor’s responsibility to monitor excavation elevations and ensure that maintenance dredging does not exceed historical–channel extents.
8. Native vegetation should be protected to the extent practicable. Some vegation will be removed to facilitate excavator access along the waterway bank.
9. The landowner is responsible for protecting the installed planting from livestock grazing and all farm activities.
10. No utilities have been located. It is the responsibility of the excavator contractor (or landowner, if no contractor is used) to locate utilities.

Legend

Plan Views

- ADAP Channel Class (CL)
- Low Modified
- Moderate Modified
- Agricultural Waterway (Class not shown)
- Farm Road
- Proposed Bridge
- Overbank Flood Extent
- T/DO Sample Site (approx.)
- Turbidity Sample Site (approx.)
- Turbidity Sample Site Offset to Distance (approx.)
- Fish Relocation Release Site (approx.)
- Parcel Boundary (KC GIS Data)

Profile and Section Views

- Existing Ground
- Existing Farm Road
- Existing Culvert
- Water Surface (3/3/2021)
- Approximate Dredge Extent
- Proposed Farm Road
- Proposed Culvert
- NOTE: Items specific to one sheet may not be included on this legend. See sheet specific legend

FIELD BOOK: _____				APPROVED: _____		<div><p>Know what's below. Call before you dig.</p></div>	<div><p><b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i></p></div>	Notes (1 of 3)	Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022	SHEET
SURVEYED: <u>FLB</u>		MAR 2021		PROJECT	2					
SURVEY BASE MAP: _____				MANAGER: _____	OF					
CHECKED: _____				DESIGNED: _____	7					
				DRAINAGE INVESTIGATION NO.: _____	SHEETS					
NUM.	REVISION	BY	DATE	2/16/22						

Site History: The Agricultural Drainage Assistance Program does not have any prior knowledge of past maintenance activities that have occurred at this site.

Fish Relocation: Fish relocation generally occurs in these locations, listed in order of preference:upstream (of project), adjacent tributary, nearby stream, river, downstream. For this project, it is not expected that the upstream area will be hospitable to fish, as the waterway ends a bit further beyond the property line, nor is there a nearby adjacent tributary and downstream of the project is Newaukum Creek. In consideration of these site characteristics, the proposed release location for all fish captured will be in Newuakum Creek.

FISH RELEASE SITES	
Site	Description
1	Newaukum Creek above Channel Confluence

Excavation Strategy:

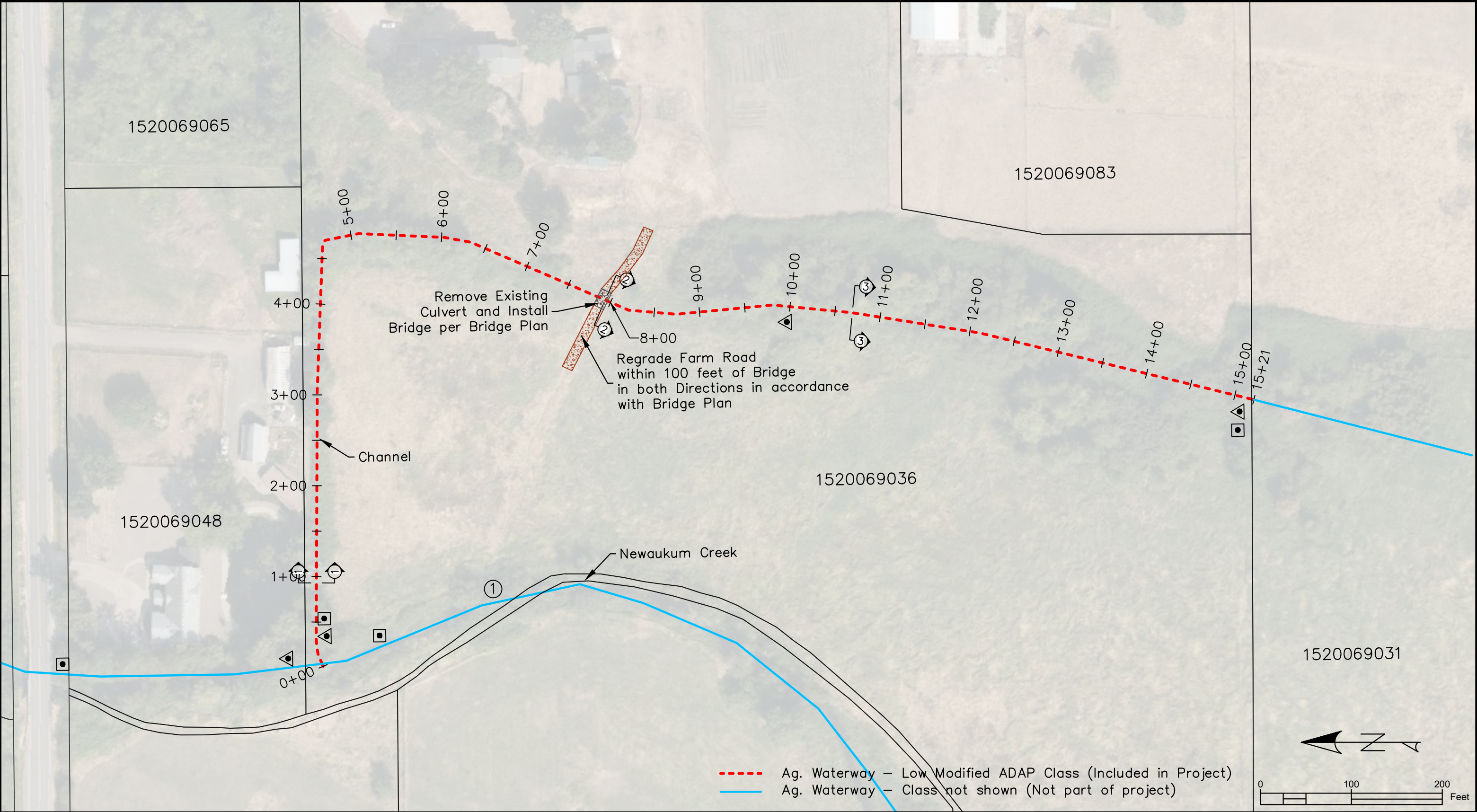
1. The first year of excavation activities will focus on: opening the channel from Newaukum Creek up to the property boundary.
2. Monitor periodically to identify any new beaver activity
3. Remove any beaver dams that are subsequently constructed on the maintained channel for the life of the permit. Mechanized removal of beaver dams, during the allowable work window, removes any anchor wood and the associated mud sill.
4. If a beaver moves into the channel, consider trapping and relocating prior to lethal removal. Dam notching can become a daily task if a beaver remains onsite. Outside of the HPA approved fish window, removal of a dam will be with hand tools only unless otherwise allowed by the WDFW habitat biologist. During the fish window, removal with an excavator using the ADAP excavation bmps is allowable. All additional beaver dam removals still requires giving notice to the WDFW habitat biologist in accordance with the requirements of the HPA.
4. After the initial work, monitor the channel for additional high points and/or vegetation accumulation that impact drainage
5. Maintenance of waterways not explicitly identified for maintenance in this plan can be evaluated for future projects. Contact the King County ADAP program manager for further coordination.

Expected Hydrology

Segment	Length (ft)	DRY?	Hydrology	Mapped Classification	Expected Fish Use
Channel	1,521	no	Flow is low year round. Water source is mostly toe-of-slope seepage.	Low Modified	Fish use is expected to be low, depending on summertime dissolved oxygen and temperature conditions. There is no overland source of water into this channel during the summer which may perpetuate low DO levels.

FIELD BOOK: _____						APPROVED: _____	 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	Notes (2 of 3)  Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022	SHEET 3 OF 7 SHEETS 2/16/22
SURVEYED: <u>FLB</u>	MAR 2021					PROJECT MANAGER: _____				
SURVEY BASE MAP: _____						DESIGNED: _____				
CHECKED: _____						DRAINAGE INVESTIGATION NO.: _____				
		NUM.	REVISION	BY	DATE					





FIELD BOOK: _____				APPROVED: _____	
SURVEYED: <u>FLB</u>		<u>MAR 2021</u>		PROJECT MANAGER: _____	
SURVEY BASE MAP: _____				DESIGNED: _____	
CHECKED: _____				DRAINAGE INVESTIGATION NO.: _____	
NUM.	REVISION	BY	DATE		



Know what's below.  
Call before you dig.



**King County**  
Department of Natural Resources and Parks  
Water and Land Resources Division  
Stormwater Services Section  
*Christie True, Director*

PLAN MAP

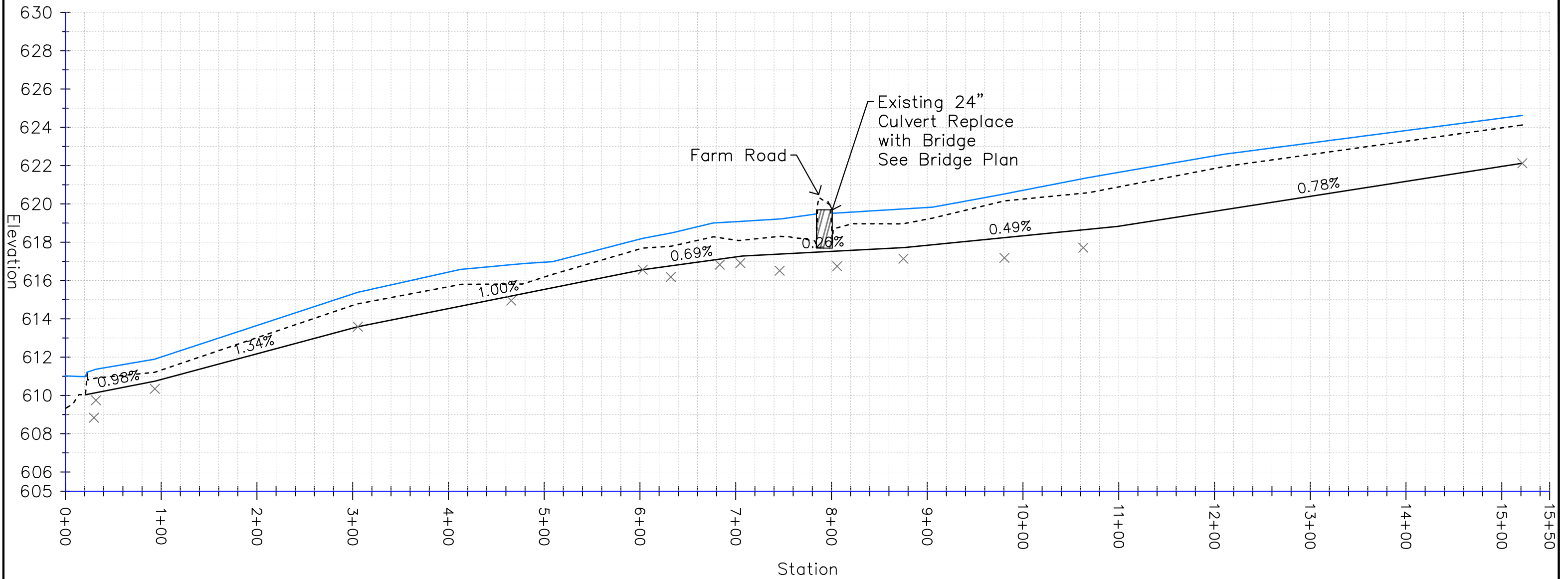
Iyer ADAP  
41633 236th Ave SE  
Enumclaw, WA 98022

SHEET  
4  
OF  
7  
SHEETS

2/16/22



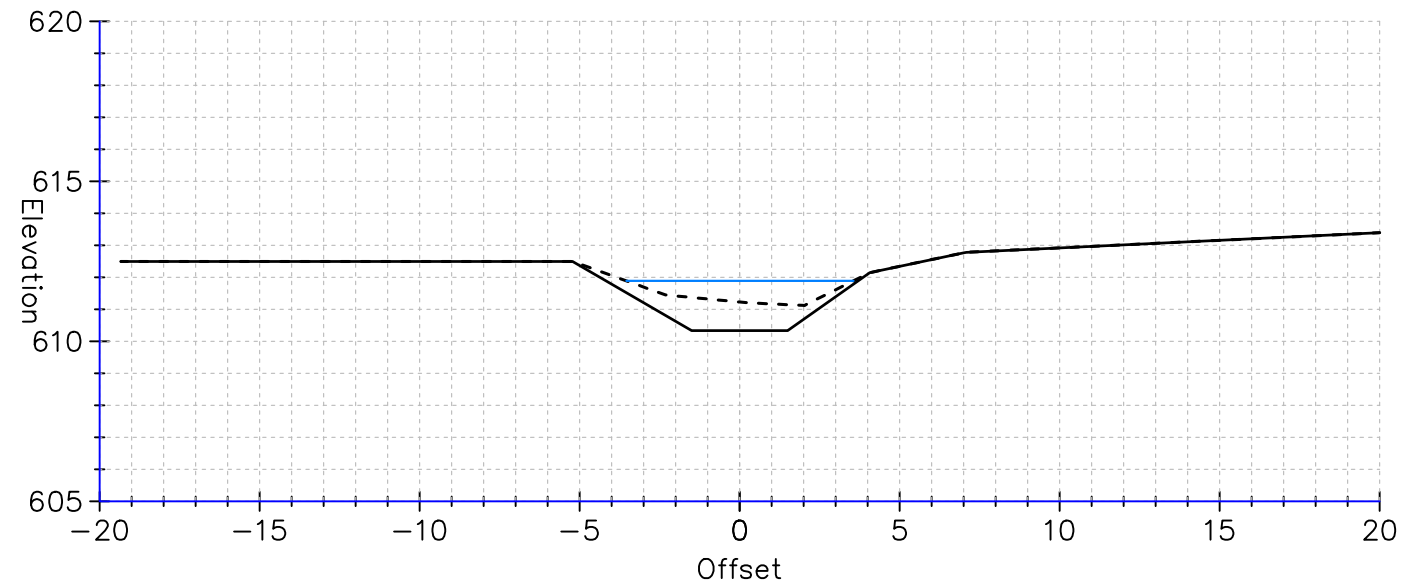
## channel Profile



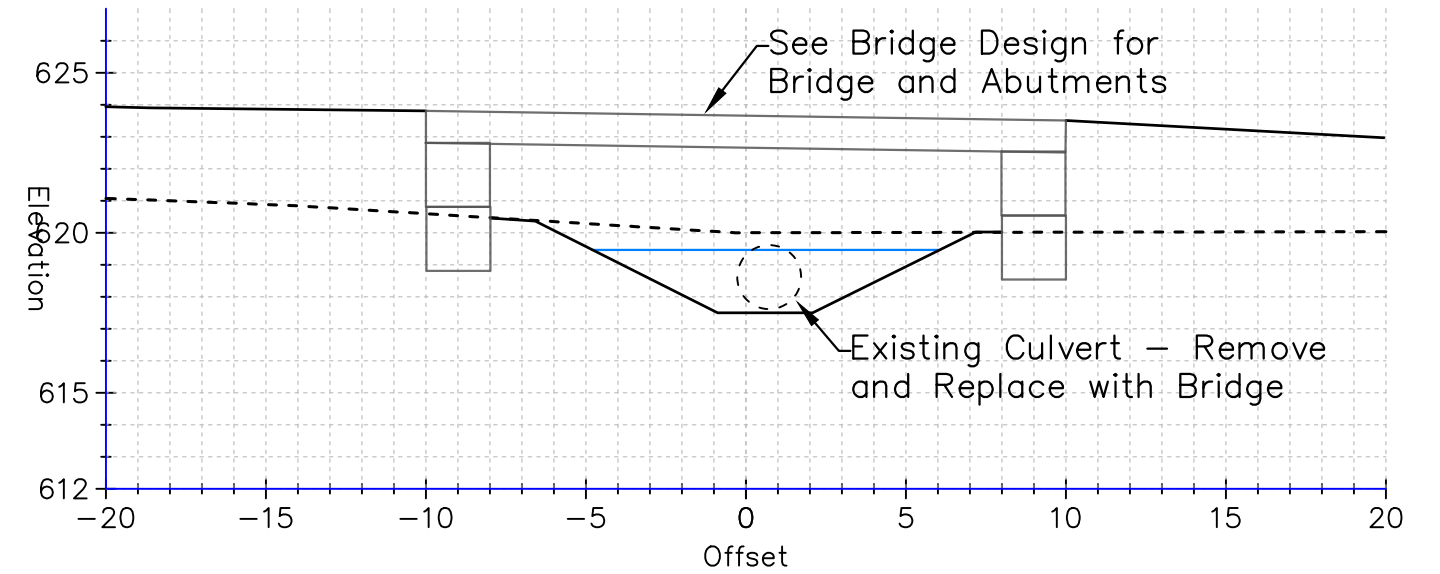
- - - - Existing Channel Bottom  
 ———— Approximate Dredge Extents  
 ———— Water Surface (3/3/2021)  
 X Sediment depth

FIELD BOOK: _____		APPROVED: _____		 <p><b>Know what's below. Call before you dig.</b></p>	 <p><b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i></p>	<p>PROFILE VIEW</p> <p>Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022</p>	SHEET
SURVEYED: <u>FLB</u>	MAR 2021	PROJECT MANAGER: _____	5				
SURVEY BASE MAP: _____		DESIGNED: _____	OF				
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____	7				
			SHEETS				
							2/16/22
		NUM.	REVISION	BY	DATE		

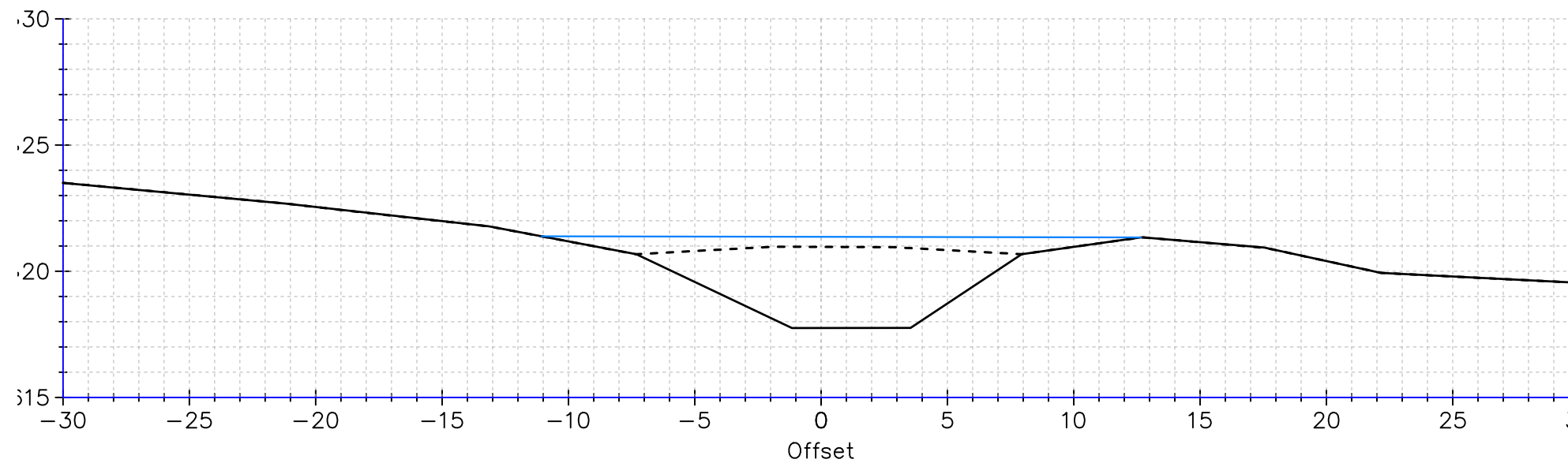
channel Section 1 (0+93)



channel Section 2 (7+94)



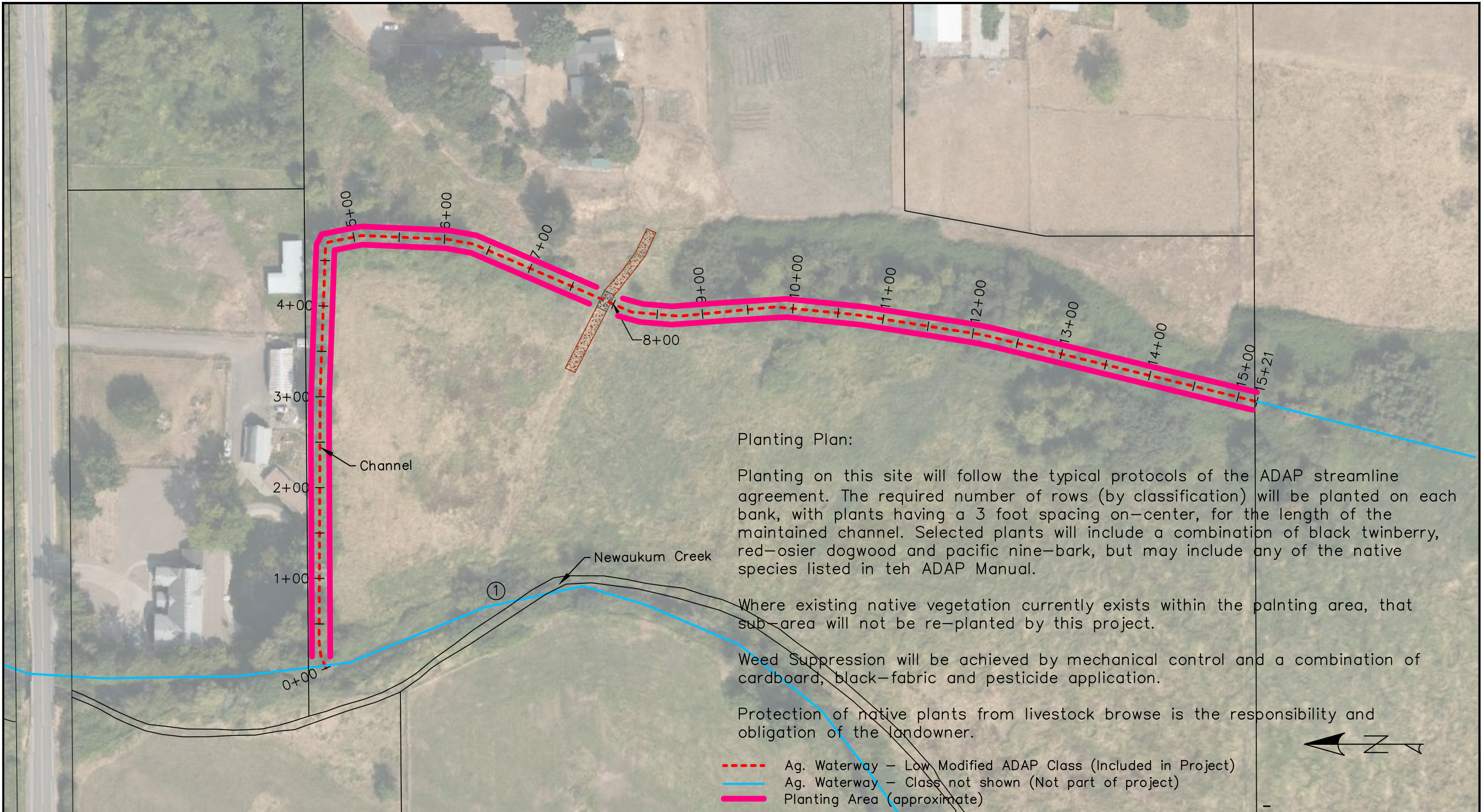
channel Section 3 (10+69)



----- Existing Ground and Channel Bottom  
 ———— Approximate Dredge Extents  
 ———— Water Surface (3/3/2021)

FIELD BOOK: _____		APPROVED: _____		 <b>Know what's below.</b> <b>Call before you dig.</b>	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	SECTION VIEW  Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022	SHEET 6 OF 7 SHEETS 2/16/22
SURVEYED: <u>FLB</u> <u>MAR 2021</u>		PROJECT MANAGER: _____					
SURVEY BASE MAP: _____		DESIGNED: _____					
CHECKED: _____		DRAINAGE INVESTIGATION NO.: _____					
NUM.	REVISION	BY	DATE				





Planting Plan:

Planting on this site will follow the typical protocols of the ADAP streamline agreement. The required number of rows (by classification) will be planted on each bank, with plants having a 3 foot spacing on-center, for the length of the maintained channel. Selected plants will include a combination of black twinberry, red-osier dogwood and pacific nine-bark, but may include any of the native species listed in teh ADAP Manual.

Where existing native vegetation currently exists within the palnting area, that sub-area will not be re-planted by this project.

Weed Suppression will be achieved by mechanical control and a combination of cardboard, black-fabric and pesticide application.

Protection of native plants from livestock browse is the responsibility and obligation of the landowner.

- Ag. Waterway – Low Modified ADAP Class (Included in Project)
- Ag. Waterway – Class not shown (Not part of project)
- Planting Area (approximate)

FIELD BOOK: _____						APPROVED: _____	 Know what's below. Call before you dig.	 <b>King County</b> Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section <i>Christie True, Director</i>	PLANTING PLAN MAP	SHEET 7 OF 7 SHEETS	
SURVEYED: <u>FLB</u>	<u>MAR 2021</u>					PROJECT MANAGER: _____					Iyer ADAP 41633 236th Ave SE Enumclaw, WA 98022
SURVEY BASE MAP: _____						DESIGNED: _____					
CHECKED: _____						DRAINAGE INVESTIGATION NO.: _____					
		NUM.	REVISION	BY	DATE					2/16/22	











**Agenda Action Briefing/Report AI 22- 031****SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Rogelio Riojas, for a Waste Storage Facility , in the amount of \$36,000.00.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$424,644.96</b>
Current Request	<b>\$36,000.00</b>
Balance Remaining	<b>\$388,644.96</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Riojas have an approximately 35 acre farm located in unincorporated Enumclaw. The Riojas are currently managing roughly 30 livestock consisting of a mixture of horses and cows and are in need of a system to properly store and compost their animals manure. Their current system the manure is piled in is difficult to manage, the pile is often wet and there is potential for it to leache into surface and ground water.

This project proposes to build a 20' x 60' manure storage facility divided into 3 bins on an impermeable concrete pad and is designed to eliminate leaching from the pile. The bin does not have a roof but the cooperator will be able to cost-share on tarps to prevent stormwater runoff and control pile moisture. This project design has been created by KCD Cluster Engineer Ryan Bartelheimer.

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Rogelio Riojas, for a Waste Storage Facility, in the amount of \$36,000.00.

**MOTION**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Rogelio Riojas, for a Waste Storage Facility , in the amount of \$36,000.00.

**KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION****Section 1. Applicant** (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

**Section 2. Project Information**

<b>Best Management Practice (BMP):</b>
<b>Project Completion Date</b> ( <i>month and year</i> ):
<b>Current Site Conditions</b> ( <i>Provide a brief summary of resource management problem addressed by BMP: also note if streams, wetlands, and steep slopes are near or within the project area</i> ):          
<b>Project Details</b> ( <i>Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.</i> ):          
<b>Maintenance Plan</b> ( <i>Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.</i> ):          

<b>Permits</b> <i>(List all permits required to complete this project):</i>  
<b>Photos:</b> Before photos must be submitted with this application.

Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? Yes No  
If yes, please list contract number and BMP below:

B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? Yes No  
Please describe below:

1. King County Cost-share  
Please list practices and date installed below:

2. NRCS EQIP (Natural Resources Conservation Service’s Environmental Quality Incentive Program  
Please list practices and date installed below:

3. Other  
Please list agency and describe project:

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant’s statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- Select this box if you intend to request partial reimbursement as the project is installed.

## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project? Yes No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- A. I understand the lifetime of the BMP is \_\_\_\_ years.
- B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. \_\_\_\_\_ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. \_\_\_\_\_ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. \_\_\_\_\_ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. \_\_\_\_\_ (Initial Here)



I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.

\_\_\_\_\_ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney's fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. \_\_\_\_\_ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. \_\_\_\_\_ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_ (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_ (Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP installation and maintenance.

I understand KCD will provide a sign free of charge after completion of a project, and I agree that: \_\_\_\_\_ (Initial Here)

- a. I will select a visible location on my property for display of the sign and will install it.
- b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant

Date

Signature of Landowner (if applicant if Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:



# Landowner Incentive Program

## Applicant Budget

Cooperator: Riojas

Budget Items	Units	Cost
Waste Storage Facility	31.73	\$48,000.00
Machinery Rental (not personally owned equipment)		\$0.00
Subtotal		\$48,000.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$ 48,000.00
Units	AUE	31.73
Cost/Unit		\$ 1,512.76

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management		
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing		
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility	X	\$ 36,000.00
Watering Facility		

**Amount eligible for reimbursement**  
(based on 2015 rates)

**\$36,000.00**

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 12.00	0.75	\$ 9.00	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 40,000.00	0.75	\$ 30,000.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	acre
Cross Fencing	ft	\$ 6.00	0.5	\$ 3.00	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,100.00	0.75	\$ 825.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 2,000.00	0.75	\$ 1,500.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	



Local Food  
Healthy Forests  
Clean Water  
Better Ground

# Job Sheet

## Waste Storage Facility

Cooperator: Riojas	Lifetime of Practice: 15 years
--------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Temporarily store manure in a dry stack.	<input checked="" type="checkbox"/> Improve soil fertility, tilth and water holding capacity.
<input checked="" type="checkbox"/> Reduce the pollution potential of organic agricultural wastes to surface and ground water.	<input checked="" type="checkbox"/> Reduce odor, fly and other vector problems.
<input checked="" type="checkbox"/> Reduce bulk of organic material to be spread	<input checked="" type="checkbox"/> Destroy weed seed and pathogens.

Proximity of facility to sensitive areas, wells, and property boundary (distance in feet)
Proximity to sensitive areas: 100 ft to roadside ditch. 585 ft to Tributary to White River
Will the manure bins be located in the floodplain? No

Number of AUEs the facility is planned for.
AUEs: 31.73 (Horse and cows)
Waste volume: 169 yards
How many months of storage is this planned for? 7 months

Specifics of facility (number of bins, type of construction material). <i>*Please attach a drawing of an approved design.</i>
Number of bins, bin dimensions: 3 - 19' w x 20' d x 4' t bins
Construction materials: Concrete slab and eco-block walls
Compost bin design: KCD Cluster Engineer Ryan Bartelheimer Eco-block design
How will manure be covered? Tarp.



**Permits.** *Are there permits necessary for the project?*

*If so, please list below. If applying for KCD cost-share include a copy of the permit.*

Common circumstances that trigger a [King County Clearing and Grading Permit](#) include, but are not limited to:

**Grading:** King County code requires that in general, any grading within a sensitive area, or any excavation greater than 5' in depth or over 100 cubic yards, or any fill greater than 3' in depth or greater than 100 cubic yards, or creation of more than 2,000 square feet of new impervious surface, requires a permit.

**Clearing:** King County Code states that in general, a clearing permit is required for any removal of trees or vegetation from a critical area or from properties subject to urban clearing standards or clearing restrictions in a special district overlay defined in [21A.38](#) of the [King County Code](#). Clearing over 7,000 square feet on RA-zoned properties or removal of 5,000 board feet of merchantable timber also requires a permit. A separate Forest Practice Permit may also be required.

**Roof:** If the compost facility is under 200 square feet, it does not need a permit to cover with a roof. Above 200 square feet would require a King County permit to roof the structure. The roof overhang of a 200 square foot structure may not exceed 24", measured horizontally from exterior wall.

**\*\*Landowners must follow all local, state, and federal laws.**

*Contact the Permitting Office with questions.*

**Operation and Maintenance**

Manage the compost piles for temperature, odors, moisture, and oxygen, as appropriate. Appropriate equipment for managing the composting temperature should include a long stem thermometer. Make adjustments throughout the composting period to insure proper composting processes.

Closely monitor temperatures above 165°F. Take immediate action to cool piles that have reached temperatures above 185°F.

Moisture content can be determined by the "squeeze test," a non-quantitative method of estimating moisture. In this test, a handful of the material is squeezed together in the fist. If water actively drips out while the compost is squeezed, the material is too wet. If the material does not release water, and crumbles apart when the fist is opened, the material is too dry. Only if the material does not release water and stays compacted when the fist is opened, is the moisture content "just right." (Mountain Organic Materials)

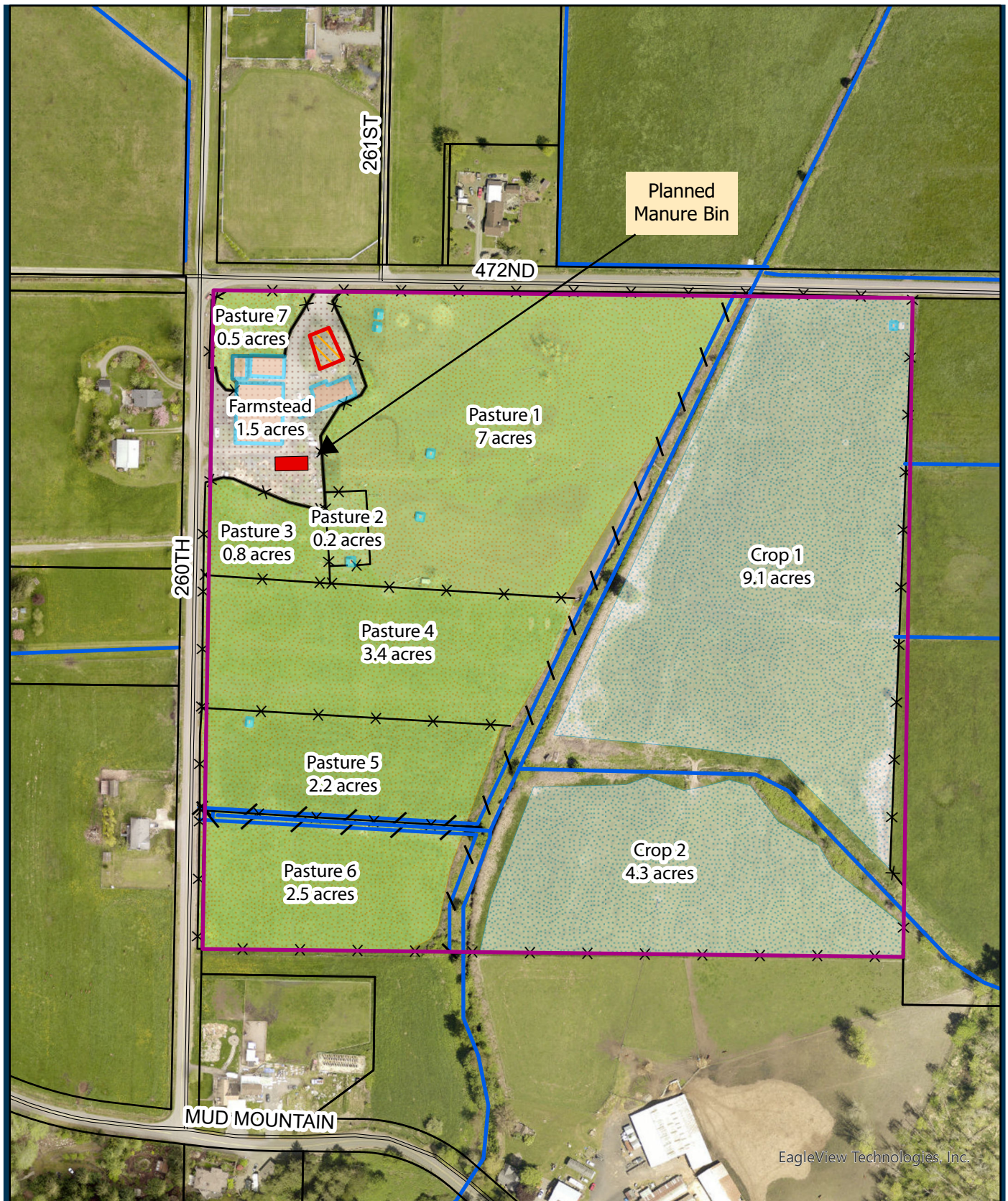
In order to maintain appropriate moisture content, compost piles in western Washington must be covered year-round.

**Additional Specifications and Notes:**

**Pursuant to King County Code, manure storage should be covered, 35' from property boundary, 100' from wells, and 100' from areas of open water.**

If the facility is in a floodplain, a permit must be acquired from King County, mitigation may be required, including providing compensatory storage at the same elevation, equivalent to the volume of the facility that is in the 100-year flood plain.





Landowner Name: <b>Rogelio Riojas</b>		Map Type: <b>LIP Cost Share WSF Map</b>	Directional: <b>SW</b>
Address: <b>26025 SE 472nd St</b>		KCD Staff Name: <b>Mirro</b>	Section: <b>36</b>
Enumclaw, WA 98022		Map Date: <b>April 11, 2022</b>	Township: <b>20</b>
Acres: <b>34.8</b>	Parcel #(s): <b>362006-9051</b>		Range: <b>06</b>



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Document Path: X:\GIS\_Data\WKCD\_GIS\_Data\Farm\WKCDs\Projects\Farm\_Plan\_Maps\Riojas\_6943\WKCD\_FRM\_Riojas\_Map.aprx



1:3,000

## Waste Storage Bin Sizing Worksheet

**For:** Riogelio Riojas

Current Herd - Goats

### Production

Total Animal Units  
**31.73**

Days Confined  
155

Manure with Bedding  
(Cubic Yards)

Manure Only  
(Cubic Yards)

12 month Storage Requirement

**Storage volume required=**

384.7

285

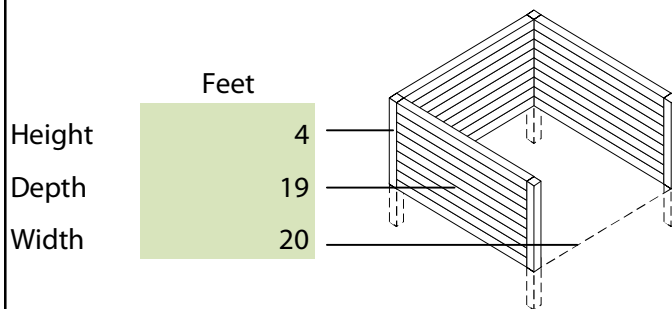
6 month Storage Requirement (NRCS)

**Storage volume required =**

384.7

284.7

### Single Bin Dimensions



**Single Bin Capacity = 56.3 Cubic yards**

**3-Bin System Capacity = 168.9 Cubic yards**

**# Recommended= 5 Bins for full year's storage**

**# Recommended= 3 Bins for 7 month's storage**

Days Confined =

number of days manure is picked from stalls and/or Heavy Use Areas (HUAs) and stored in waste storage structure.

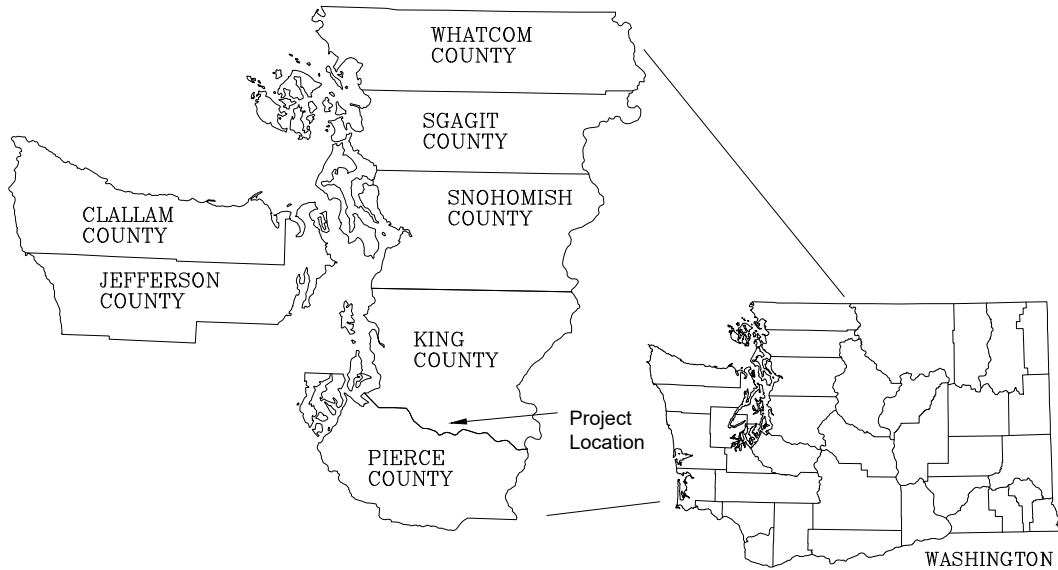










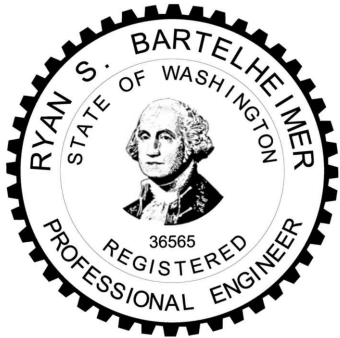


LOCATION MAP

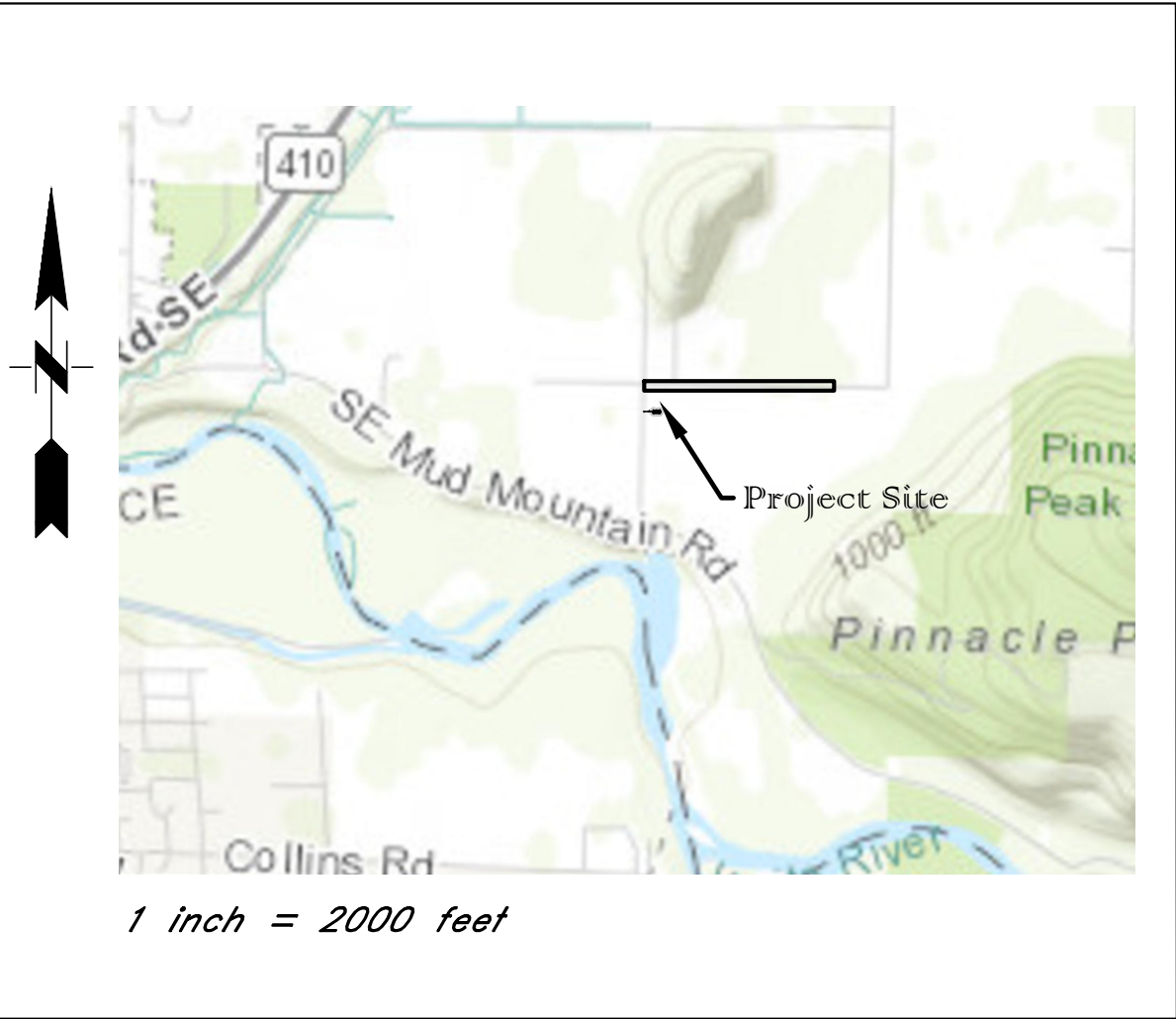
Riojas Waste Storage Facility  
KING COUNTY, WASHINGTON  
26025 SE 472nd St  
Enumclaw WA, 98022

Waste Storage Facility  
[PRACTICE CODE: 313 JOB CLASS: 1]

PREPARED BY  
KING CONSERVATION DISTRICT  
AND  
US DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE



Preliminary



**LOCATION OF UTILITIES**  
The King Conservation District/NRCS does not make any representation to the existence or non-existence of any public and/or private buried or overhead utilities. Where utilities are shown on the drawing, their location, depth and/or height are approximate. The exact location, depth and/or height shall be determined by the responsible utility. Any construction and/or O&M activities within the utility easement shall be in compliance with the utilities requirements. Call Utility at 1(800) 424-5555 at least two business days before excavating, as required by Washington State Law.

INDEX OF DRAWINGS	
SHEET NO.	TITLE
1.	Cover Page
2.	Plan View
3.	Structure Layout
4.	Details
5.	Notes

MATERIAL LIST	
ITEM	QUANTITY
WASTE STORAGE	
Reinforced concrete	36 CY
Crushed rock, not to exceed	64 CY
Geotextile	200 SY
ECO-Block, 6 feet long	47 Each
ECO-Block, 2 feet long	4 Each

REVISION BLOCK	
APPROVED BY	DATE
COOPERATOR	DATE

- GENERAL NOTES**
- The attached NRCS Construction and Material Specifications are part of this plan and shall govern the installation of this project.
  - This project shall be constructed to the lines and grades as shown in the drawings and detailed in the construction specifications.
  - The project will be operated and maintained as described in the Operation and Maintenance plan that is attached to this plan.

- CONDITIONS AND TERMS**
- The King Conservation District/NRCS does not assume any responsibility in the determination, application and/or securing of any necessary permits for the construction and operation of this project. All permits are the responsibility of the Owner, Operator and/or Contractor.
  - The Drawings, Specifications, and Operation and Maintenance Plans for this project are subject to revision and/or cancellation by KCD/NRCS one year after the date shown below in the review and acceptance.

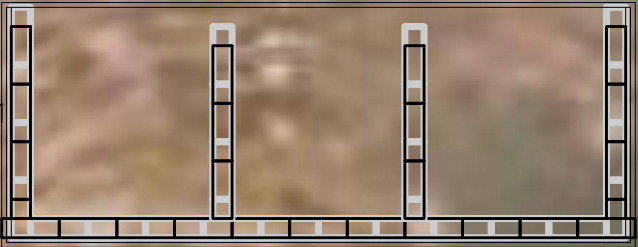
**REVIEW AND ACCEPTANCE OF PLANS**  
The Drawings, Specifications, and Operations and Maintenance Plans for this project have been reviewed by me and are accepted for installation. I also acknowledge that any modification prior to review by the KCD/NRCS before implementation may result in KCD/NRCS disapproval of this installation. I hereby acknowledge receipt of a copy(ies) of this plan.

DESIGNED	DATE	DATE	DATE	DATE
RSB	03/22	RSB	03/22	
DRAWN		RSB		
TRACED				
CHECKED				

RIOJAS WASTE STORAGE STRUCTURE		WA
Cover Page		USDA NATURAL RESOURCES CONSERVATION SERVICE
KING COUNTY		IN COOPERATION WITH
KING CONSERVATION DISTRICT		
REVISION NO. 1		
DRAWING NO. RiojasWSF.dwg		
SHEET 1 of 5		

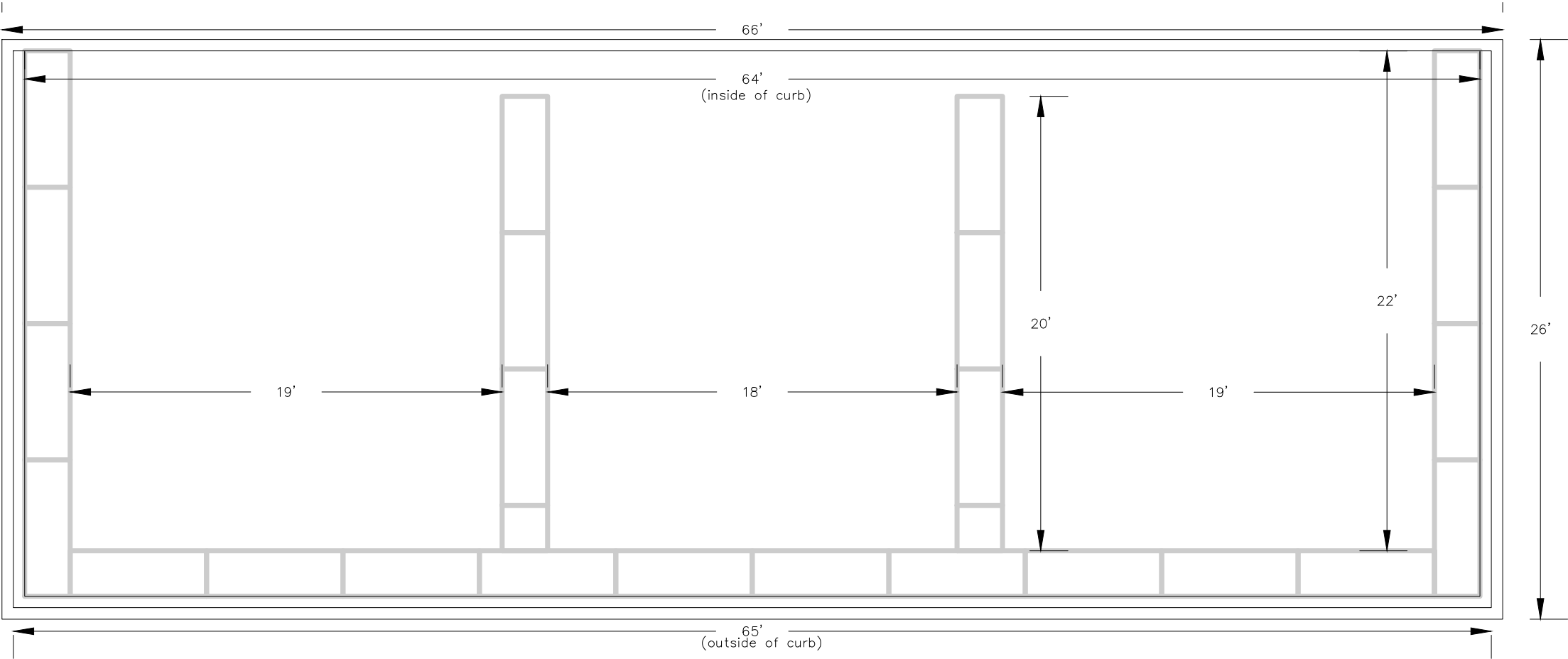


100'  
Minimum setback  
from surface water

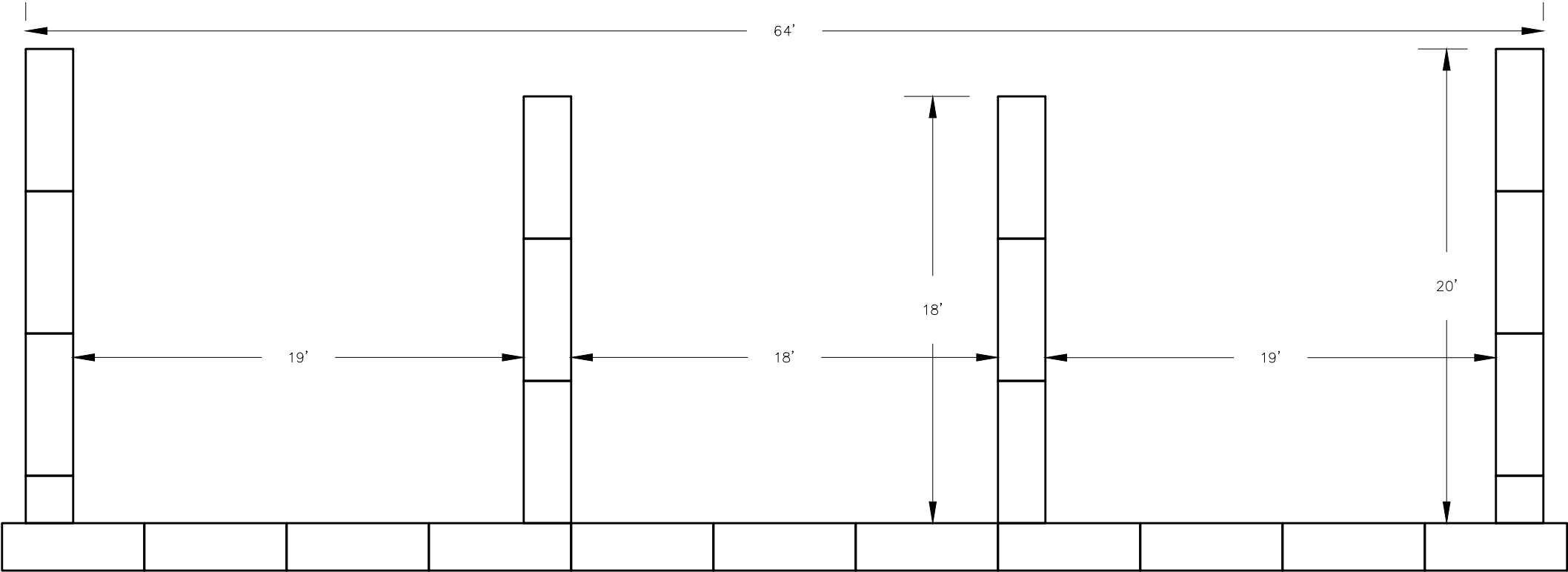


DESIGNED <u>RSB</u> DATE <u>03/22</u>		APPROVED BY _____	
DRAWN <u>RSB</u> DATE <u>03/22</u>		TITLE _____	
TRACED _____		TITLE _____	
CHECKED _____		TITLE _____	
KING COUNTY		WA	
KING CONSERVATION DISTRICT		USDA NATURAL RESOURCES CONSERVATION SERVICE	
IN COOPERATION WITH			
Plan View			
Riojas Waste Storage Structure			
REVISION NO. 1			
DRAWING NO. RiojasWSS.dwg			
SHEET 2 of 5			

Lower layer of blocks  
24 2x2x6 blocks  
2 2x2x2 blocks



Upper layer of blocks  
23 2x2x6 blocks  
2 2x2x2 blocks

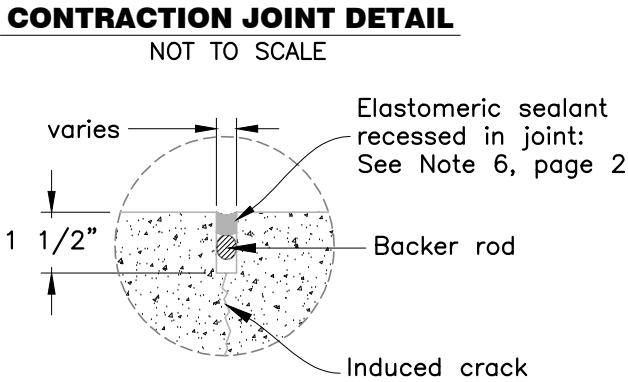
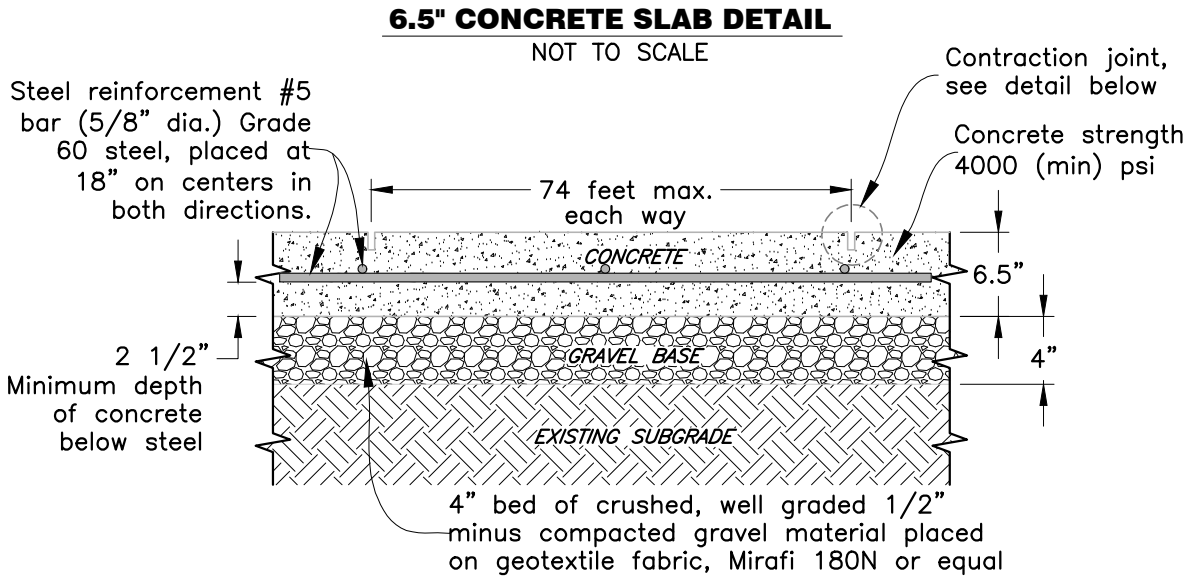
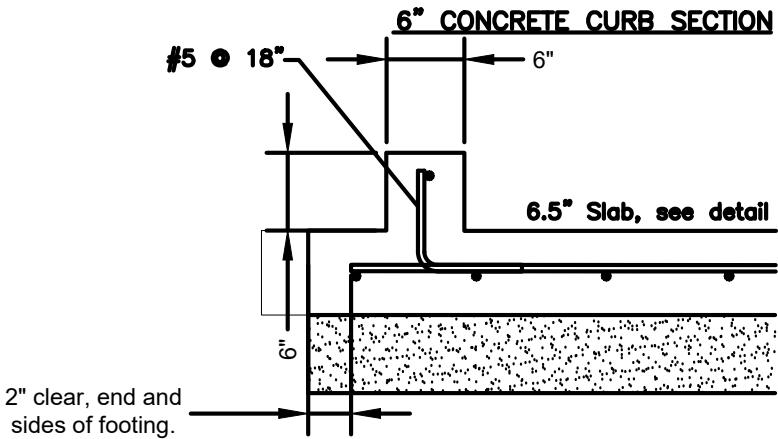


DESIGNED	RSB	DATE	03/22	APPROVED BY		TITLE	
DRAWN	RSB	DATE	03/22				
TRACED		DATE					
CHECKED		DATE					

KING COUNTY	IN COOPERATION WITH	USDA NATURAL RESOURCES CONSERVATION SERVICE
		WA

REVISION NO.	1
DRAWING NO.	RiojasWSS.dwg
SHEET	3 of 5





DESIGN CRITERIA:

- Slab loading limits:
  - Maximum Truck Rated Capacity:15,000 lb..
  - Maximum Truck Axle Load: 33,000 lb..
- All slabs shall have a subgrade of uniformly firm soil. Slabs shall be located where it is free draining, water does not pond and soils do not stay saturated from surface or ground water.
- Contraction joints should be placed so that the slab is divided into square or rectangular areas. Ratios of the long to short side should not exceed 1.5.



Preliminary

**Riojas Waste Storage Structure**  
Details  
KING COUNTY  
KING CONSERVATION DISTRICT  
IN COOPERATION WITH  
USDA NATURAL RESOURCES CONSERVATION SERVICE  
WA

DESIGNED	RSB	DATE	03/22	APPROVED BY		TITLE	
DRAWN	RSB	DATE	03/22				
TRACED		DATE					
CHECKED		DATE					

REVISION NO.	1
DRAWING NO.	RiojasWSS.dwg
SHEET	4 of 5

CONSTRUCTION SPECIFICATIONS AND NOTES

1.

Concrete shall meet the provisions of ASTM C-94, Ready Mix Concrete. Portland cement conforming to ASTM C-150, Type II or IIA shall be used.

• Concrete shall have a minimum 28-day compressive strength of 4000 psi (Class 4000) and the maximum size of course aggregate shall not exceed (1 1/2) inches.

• The slump shall be (4) inches ± (1) inch.

• Air entrainment conforming to ASTM C-260 shall be used at 4%-7% by volume.

OR USE: NRCS (6) sack cement mix per cubic yard of concrete: using (6) gal. water/sack, 180-190 lb. fine aggregate/sack, 330-340 lb (max 1 1/2) inch coarse aggregate/sack.

NOTE: The same slump and air entrainment is required for all mixes.

2.

Gravel base material shall consist of a well-graded material with 100% passing a (3) inch sieve and less than 8% passing a No. 200 sieve. Compaction of each layer of the gravel base course shall be by (2) passes over the entire surface layer with a hand directed mechanically powered vibrating plate compactor or vibratory roller or by an approved equivalent method.

3.

The subgrade shall be well drained and provide firm uniform support for the gravel base material. All sod and other organic matter shall be stripped and removed from the subgrade zone.

4.

Reinforcing steel shall be Grade 60 deformed bars and conform to ASTM A-615. The reinforcing bars shall be securely tied in place and shall be supported with precast concrete bricks (not clay bricks) or metal or plastic chairs spaced at a maximum of (24) inches center-to-center (c-c). Splices of reinforcing bars shall provide a lap of not less than (32) bar diameters or (20) inches. Minimum protective cover shall be (2) inches from formed surfaces and (2 1/2) inches from earth surfaces or from a gravel base.

5.

Isolation joints shall be made with (1/2) inch asphalt treated fiber board placed along existing structures such as buildings, concrete tanks or concrete slabs unless otherwise indicated.

6.

Contraction joints shall be formed in fresh concrete either by hand tooling or saw cutting. Joints shall be formed as soon as practical after concrete finishing, but in no case later than (8) hours after concrete has been placed. Contraction joints shall be formed to a depth of (1 1/2) inches or (1/4) of slab thickness. Contraction joints shall be sealed with an elastomeric joint sealer meeting ASTM C-920. Sealant and Backer Rod shall be installed in accordance with the manufacturer's recommendations.

7.

In areas not subject to cattle or vehicular traffic, the concrete surface shall be provided with a broom finish. In areas subject to cattle or vehicular traffic, concrete shall be provided with a grooved finish. Grooving shall consist of (3-5) inches center-to-center (c-c) spacing of (1/2) inch to (3/4) inch wide by (1/4) inch to (3/8) inch deep grooves.

8.

In all cases concrete shall be cured by keeping the surface cool and moist for (7) days after placement. In lieu of application of moisture, concrete, shall be coated with a curing compound. The compound shall be sprayed on moist concrete surfaces as soon as free water has disappeared. The curing compound shall conform to ASTM C-309 and shall be Type 2. Curing compound shall be applied by pressure sprayer in a uniform layer over all surfaces at a rate of not less than (1) gallon per (150) square feet.

9.

In hot weather, the concrete temperature shall be maintained below 90°F during mixing, conveying and placement. Concrete must then be kept moist at all times for at least (7) days or until curing compound is applied as in previous paragraph.

10.

In cold weather concrete shall not be mixed or placed when daily atmospheric temperature is less than 40°F. The use of accelerators or antifreeze compounds will not be permitted. The temperature of the concrete at the time of placing shall not be less than 50°F and shall be maintained at temperatures not less than 40°F for a period of (3) days. Thermal blankets if used shall have sufficient R-value to protect concrete for the expected temperatures.
- 
- Preliminary
- |                   |                       |                     |             |
|-------------------|-----------------------|---------------------|-------------|
| APPROVED BY _____ | DESIGNED _____<br>RSB | DATE _____<br>03/22 | TITLE _____ |
| _____             | DRAWN _____<br>RSB    | DATE _____<br>03/22 | _____       |
| _____             | TRACED _____          | DATE _____          | _____       |
| _____             | CHECKED _____         | DATE _____          | _____       |

Riojas Waste Storage Structure

Notes

KING COUNTY

KING CONSERVATION DISTRICT

IN COOPERATION WITH

USDA NATURAL RESOURCES CONSERVATION SERVICE

WA

REVISION NO. 1
DRAWING NO. RiojasWSS.dwg
SHEET 5 OF 5
- G:\Shared drives\Cooperators K--O\kcd\Riojas\Engineering\Drawings\RiojasWasteStorage.dwg, 4/5/2022 12:11:17 PM, DWG To PDF.pc3

**King Conservation District Board of Supervisors Meeting 05/09/2022**  
**Agenda Action Briefing/Report AI 22- 032**

**AI 22-032**

**SUBJECT:**

Review for Approval KCD Landowner Incentive Program cost-share application from Sophia Shixu, for a Riparian Forest Buffer, in the amount of \$21,000.00.

**FISCAL IMPACT**

The current balance of cost-share funding for KCD LIP 2022 is summarized in the following table:

2022 LIP Cost-share Available	<b>\$388,644.96</b>
Current Request	<b>\$21,000.00</b>
Balance Remaining	<b>\$367,644.96</b>

**POLICY CONSIDERATION**

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

**STAKEHOLDER INTERESTS**

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

**BACKGROUND**

The Shixu property is located on Tate Creek in Snoqualmie. Tate Creek enters their property from the north, travels under SE 79th Street and generally flows to the south where it exits the SHIXU property. Approximately, 2500 ft down stream from their property Tate create creates its confluence with the North Fork of the Snoqualmie River. The riparian area is mostly devoid of native vegetation and is dominated by reed canarygrass in the wetter areas and Himalayan blackberry in the drier areas.

This project proposes to install a 50 foot riparian buffer on both the east and west sides of Tate Creek and include approximately 814 linear feet for a 2 acre project. The area north of the driveway is approximately 461 linear feet for 1.06 acres with the area south of the driveway is approximately 353 linear feet for 0.81 acres. Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, Indian plum, Nootka rose, oceanspray, Pacific ninebark, red osier dogwood, salmonberry, serviceberry, and snowberry. Trees that would be well adapted for site conditions include: big leaf maple, cascara, Douglas fir, grand fir, Oregon ash, Pacific willow, red alder, Sitka willow, western crab apple and western red cedar.

The parcel to the north of this property is an active KCD riparian buffer project "Little John" which is about 1.2 acres and was planted in 2019, creating continuity in buffer habitat.

**EFFECTIVE DATE**

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

**RECOMMENDATION**

Staff seeks Board approval of Landowner Incentive Program cost-share application from Sophia Shixu, for a Riparian Forest Buffer, in the amount of \$21,000.00.

**MOTION**

AI 22-032

**Agenda Action Briefing/Report AI 22- 032**

\_\_\_\_\_ Moved, \_\_\_\_\_ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Sophia Shixu, for a Riparian Forest Buffer, in the amount of \$21,000.00.



# KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

## Aquatic Area Enhancement Project

### Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name:		Farm/Business Name:	
Mailing Address:		Project Address:	
Phone (home):		Phone (work/mobile):	
Email Address:		KCD Staff:	
Parcel #(s):	<input type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

### Section 2. Project Information

Best Management Practice (BMP):
Project Completion Date <i>(month and year)</i> :
Current Site Conditions <i>(Provide a brief summary of resource management problem addressed by BMP: note streams, wetlands, and steep slopes near or within the project area):</i>
Project Details <i>(Provide a brief summary of the project. Include acres treated, linear feet of stream enhanced, length of fence, types and numbers of plants, etc.):</i>
Maintenance Plan:

**Permits** (List all permits required to complete this project):

**Photos:** KCD Resource Planner must submit before photos with this application.

### Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)?

☐ Yes ☐ No

If yes, please list contract number and BMP below:

B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs?

☐ Yes ☐ No

Please describe below:

**1. King County Cost-share**

Please list practices and date installed below:

**2. NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)**

Please list practices and date installed below:

**3. Other**

Please list agency and describe project:

**Other Cost-Share History/Notes:**

### Section 4. Budget (attached as Exhibit A)

KCD will plan and install the Best Management Practice (BMP) on behalf of the Applicant. A detail of the project budget with line items for planning, installation, maintenance and cost-share ratios are attached as Exhibit A. Upon BMP installation, KCD will invoice the Applicant for the Applicant Cost-share listed in the following table. Applicant cost-share is due 30 days after receipt of a KCD invoice.

Program Cost-share	Cost-share Ratio	Amount
King CD Landowner Incentive Program	__%	
King CD Aquatic Area Enhancement Program	__%	
Washington State Conservation Commission	__%	
Other (specify) -	__%	
Other (specify) -	__%	
Applicant Cost-share	10%	
TOTAL	100%	

## Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

A. Will you consider becoming a demonstration project?

☐ Yes ☐ No

## Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- ☐ A. I understand the lifetime of the BMP is \_\_\_\_\_ years.
- ☐ B. I understand KCD will coordinate and conduct maintenance and replanting for the first three years of the lifetime of the BMP. After that, KCD will work with the Applicant to verify proper maintenance of the installed BMP. Verification of maintenance includes a combination of site visits with KCD staff members who will take photos of the project, and annual photo documentation submitted by the applicant for the lifetime listed in Section 6A.
- ☐ C. I understand I am obligated to maintain and monitor the BMP **for the lifetime listed in Section 6A.**

## Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. \_\_\_\_\_(Initial Here)

I authorize KCD to secure the applicable local, state and federal permits and to install the BMP on my behalf, and I agree to work cooperatively with KCD to obtain these permits. \_\_\_\_\_(Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. \_\_\_\_\_(Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees or agents which may occur during the course of KCD's performance of the installation of the BMP provided in connection with this Agreement. \_\_\_\_\_(Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. \_\_\_\_\_(Initial Here)

I understand that LIP cost-share is contingent upon installing the BMP to the minimum standard planned by KCD, and that KCD will verify and photo document standard compliance through its coordination of BMP installation. \_\_\_\_\_(Initial Here)

I understand that in cases where I become the recipient of a KCD LIP cost-share reimbursement there may be federal tax liability associated with the reimbursement. When this occurs, KCD will issue a 1099-G for reimbursements made through the LIP. I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements. \_\_\_\_\_(Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of cost-share reimbursements received through this Agreement. In the event litigation is commenced by KCD to recover a refund of any cost-share reimbursements received through this Agreement, attorney's fees and costs incurred by the prevailing party in such action shall be paid by the non-prevailing party. \_\_\_\_\_(Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. . \_\_\_\_\_(Initial Here)



I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. \_\_\_\_\_(Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: \_\_\_\_\_(Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable).  
*Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.)*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel two cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP maintenance.

I understand KCD will provide two signs, an LIP sign and aquatic area buffer sign, free of charge, and I agree that: \_\_\_\_\_(Initial Here)

- a. I will select a visible location on my property for display of the LIP sign and will install it.
- b. KCD will install the aquatic area buffer sign adjacent to the installed aquatic area enhancement project.
- c. I will maintain the signs and keep them free of visual barriers for at least five years after installation.
- d. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant

Date

Signature of Landowner *(if applicant if Lessee)*

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:



## SHIXU Project Budget

**Project Manager:** Zachary Bergen

**Landowner(s):** Shopia Shixu

**Project Summary:** The potential SHIXU project is located on Tate Creek in the town of Snoqualmie. Tate Creek enters the SHIXU property from the north, travels under SE 79th Street and generally flows to the south where it exits the SHIXU property. Approximately, 2500 ft down stream from the SHIXU property Tate create creates its confluence with the North Fork of the Snoqualmie River. The parcel to the north of the SHIXU is an active KCD riparian buffer project "Little John" which is about 1.2 acres and was planted in 2019.

Contract Services	Year	Units	# of Units	Unit Cost	Extended
Site Prep - Backpack Spot or Area Spray	0	ac	2	\$ 300.00	\$ 600.00
Site Prep - Backpack Spot or Area Spray	0	ac	2	\$ 300.00	\$ 600.00
Site Prep - Hand Mow/ Cut	0	ac	2	\$1,500.00	\$ 3,000.00
					<b>\$ 4,200.00</b>
Planting - Install Bareroot Plants	1	ea	4000	\$ 3.50	\$ 14,000.00
					<b>\$ 14,000.00</b>
Maintenance - Backpack Spot or Area Spray	1	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	1	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	2	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	2	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	3	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	3	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	4	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	4	ac	2	\$ 300.00	\$ 600.00
Maintenance - Backpack Spot or Area Spray	5	ac	2	\$ 300.00	\$ 600.00
					<b>\$ 5,400.00</b>
<b>Installation Total Est.</b>					<b>\$ 23,600.00</b>
<b>Landowner Cost Share Max</b>					<b>\$ 2,360.00</b>
KCD Staff Time (Non Cost Share)	Year	Units	# of Units	Unit Cost	Extended
Planning	1	hr	30	\$ 90.00	\$ 2,700.00
Implementation	1	hr	40	\$ 90.00	\$ 3,600.00
					<b>\$ 6,300.00</b>
<b>Project Total Est.</b>					<b>\$ 29,900.00</b>

### Project Installation

\$ 6,300.00	KCD
\$ 21,240.00	LIP
\$ 2,360.00	Landowner
<b>\$ 29,900.00</b>	<b>Total</b>

KCD LIP (90%)	Landowner funds (10%)
\$ 21,240.00	\$ 2,360.00







# JOB SHEET

## *Aquatic Area Buffer Planting- Riparian Forest Buffer*

Landowner: Sophia Shixu	Lifetime of Practice: 15 Years
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Purpose (check all that apply)	
<input checked="" type="checkbox"/> Create shade to lower or maintain water temperatures to improve habitat for aquatic organisms	<input type="checkbox"/> Improve forest health reducing the potential of damage from pests and moisture stress
<input checked="" type="checkbox"/> Create or improve riparian habitat and provide a source of detritus and large woody debris	<input checked="" type="checkbox"/> Restore natural riparian plant communities
<input type="checkbox"/> Reduce excess amounts of pollutants in surface runoff and reduce excess nutrients and chemicals in shallow groundwater flow	<input checked="" type="checkbox"/> Improve wildlife habitat
<input type="checkbox"/> Reduce pesticide drift entering water body	<input type="checkbox"/> Increase carbon storage in vegetation and soils, and increase biomass in soils

<p><b>Current Site Conditions</b> <i>Provide a summary of the resource management problems addressed by the BMP. Also note any other current conditions pertinent to the project (slopes, erosion, flow, drainage)</i></p> <p>The potential SHIXU project is located on Tate Creek in the town of Snoqualmie. Tate Creek enters the SHIXU property from the north, travels under SE 79th Street and generally flows to the south where it exits the SHIXU property. Approximately, 2500 ft downstream from the SHIXU property Tate create creates its confluence with the North Fork of the Snoqualmie River. The parcel to the north of the SHIXU is an active KCD riparian buffer project "Little John" which is about 1.2 acres and was planted in 2019. The riparian area on the SHIXU property is mostly devoid of native vegetation and is dominated by reed canarygrass (Class C) in the wetter areas and Himalayan blackberry (Class C) in the drier areas. There is very little elevation change across the property and water is being held on the landscape south of the driveway bridge, on the southern end of the parcel. Just north of the driveway bridge there is an area that will not be planted that extends to the other side of a second driveway (150 ft). In this no plant area there is a walking path and a sitting area.</p>
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<p><b>Riparian Forest Buffer Practice and Details</b> <i>Provide the following:</i></p> <p>1) a basic description of the proposed planting area</p> <p>2) calculate and record the square footage (acreage) of the planting area, the number of trees and shrubs to be planted, the linear footage of stream enhanced, the average and minimum width of the buffer:</p> <p>3) list any native plant species currently existing on site</p> <p>4) list native trees and shrubs selected for the project</p> <p>5) please attach your proposed planting plan</p>
<p>1) The riparian area on the SHIXU property is mostly devoid of native vegetation and is dominated by reed canarygrass (Class C) in the wetter areas and Himalayan blackberry (Class C) in the drier areas. There is very little elevation change across the property and water is being held on the landscape south of the driveway bridge, on the southern end of the parcel.</p> <p>2) If this project was funded, as proposed, the project would be a 50 foot riparian buffer on both the east and west sides of Tate Creek and include approximately 814 linear feet for a 2 acre project. The area north of the driveway is approximately 461 linear feet for 1.06 acres with the area south of the driveway is approximately 353 linear feet for 0.81 acres. Approximately, 4000 plants would be planted throughout the designated riparian areas.</p>

- 3) Native species currently on site include primarily: salmonberry, spiraea, Douglas fir, red alder, and red cedar.
- 4) Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, Indian plum, Nootka rose, oceanspray, Pacific ninebark, red osier dogwood, salmonberry, serviceberry, and snowberry. Trees that would be well adapted for site conditions include: big leaf maple, cascara, Douglas fir, grand fir, Oregon ash, Pacific willow, red alder, Sitka willow, western crab apple and western red cedar.
- 5) See attached.

**Permits** *Are there any permits necessary for the project? If so, please list below and include a copy of the permit*

**Yes, Aquatic Noxious Weed General Permit has been obtained from the Washington State Department of Ecology and Washington State Department of Agriculture: Permit #WAG993000.**

*Aquatic Areas:*

There may be permits needed to apply herbicide in aquatic areas or their buffers. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wq/pesticides/>

*King County Jurisdiction:*

Stream and wetland restoration projects that occur on property within the jurisdiction of King County may require a clearing and grading permit. Contact King County Permitting Office ([www.kingcounty.gov/property/permits.aspx](http://www.kingcounty.gov/property/permits.aspx))

**Type and Source of Plant Material** *Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?*

Plant material will be native species adapted to the site to minimize maintenance and care.

Timberline Silvics, the contractor, will plant live stakes, and/or bareroot material that have been sourced from the Puget Sound region. If additional plant material is purchased to augment the initial planting, that material can be bareroot, live stake, or potted nursery stock. There are a number of local native plant nurseries where native trees, shrubs and emergents can be purchased. Refer to the attached list of native plant nurseries for local King County sources of native plant material as well as sources in the greater Puget Sound region.

**Site Preparation** *List what method(s) of site preparation will be used, who will be doing the work, when will the work be done.*

Specific weed control prescriptions are detailed below. If brush and debris are removed from the stand, all material will be hauled off-site or masticated /chipped in a staging area. If masticated material is intended for use as mulch on the site, invasive species should not be included in the masticating/chipping process.

*Weed Control Prescriptions:*

Himalayan & Evergreen Blackberry Control –

- *Manual control:* Mow or cut the blackberry canes to less than 1 foot in height, then grub/dig out the roots attached to the cut canes. Thorough removal of blackberry roots in this manner, while labor intensive can reduce the blackberry population and cover in the prepared area by 90 – 95%. Monitor for re-growth in the following growing seasons; dig up any re-growth.
- *Chemical Control:* An alternative control method includes herbicide. One technique involves cutting/mowing the canes and swabbing the freshly cut canes with an approved herbicide. Foliar spray of blackberry is another effective control method. It is recommended that blackberry is mowed

early in the summer and sprayed on the foliar re-growth the next fall (September/October). Do not spray planted seedlings. **Always follow label rates and instructions.**

#### Reed Canary Grass Control –

- *Manual Control:*
  - 1) Mowing reed canary grass depletes carbohydrate root reserves, and if done repeatedly it will result in the thinning or death of the grass. The ideal time to mow is at or near the flowering stage. The grass should be cut as near to the ground as possible (1 inch or lower). Twice yearly mowing (in early-mid June and early October) has shown increased survivorship of native plants planted into reed canary.
  - 2) Shading is highly effective in reducing reed canary grass stands. A dense planting of conifers, once established, is ideal for shading. Faster growing deciduous trees and shrubs, especially those that develop foliage in the early spring, combined with an under-planting of conifers can be effective. Artificial methods of shading can be used in conjunction with native plantings. Sheets of thick cardboard or landscaping fabric placed around each individual plant should be secured to the ground by long staples or stakes and covered with 5-6 inches of mulch. The combination of sheeting and mulch provides temporary suppression of the grass, allowing the desirable vegetation to thrive without competition. *Not recommended for flood prone areas.*
- *Chemical Control:* Herbicide can be effective in elimination of Reed Canary grass when properly applied. Studies show that spraying Glyphosate (the active ingredient in products such as ®Rodeo) after a stand is mown or when the grass has the minimum available carbohydrate reserves (after flowering) is an effective control method. Follow-up spraying the next year may be necessary to eliminate the remaining grass. **Always follow label rates and instructions.**

*Other techniques:*

Brushing –

- Brushing prepares an area for planting. To brush an area, mow competing vegetation in a 4-8 foot diameter of the area to be planted. This will limit competition during years of establishment. Maintain this opening for trees until the leader of the tree surpasses the height of the surrounding shrubs.

#### **Care and Temporary Storage of Purchased Plant Material** *Upon receiving the plant material, where will you store it and how will you care for it?*

All plant material should be stored in a cool location and well-watered prior to planting. In the case of bare root plants, inventory should be held in the source refrigerated facility as long as possible prior to planting. Bare root plants can be stored in the field for up to one to three weeks prior to planting by placing them in a shaded location where they will remain cool. Such a location should prevent freezing as well as exposure to warm temperatures. Additionally, bareroot inventory should be covered with a tarp to prevent drying. Bareroot stock that is expected to emerge from dormancy prior to planting should be “healed” into a soil bed. To heal-in, dig a v-shaped trench to a depth that accommodates covering the seedling roots when back-filled with soil.

#### **Installation** *Provide the following details: 1) Plant Installation Prescription: 2) Plant Protection Prescription: 3) Weed Suppression Prescription: 4) Erosion Control Prescription*

##### *1) Plant Installation Prescription:*

Live Stake Inventory: Live Stakes and whips should be planted using a planting bar. Stakes and whips are to be 3 to 4 feet long, and a minimum of ½ inch in diameter. Stakes should be stored in a bucket of water until planted. Buds should face up in the bucket. Soaking before planting greatly increases the survival of live stakes and whips. Refer also to the attached planting instructions in *Planting Live Hardwood Stakes*.

Potted & Plug Inventory: Potted plant material should be shovel planted to the same depth that they grew in the pot. Plants will be well watered prior to planting. Prior to digging a hole for the plant, prepare the planting location by removing a grass sod within a 1.5 feet diameter circle, being careful to remove roots as well as above ground portions of the plant. Dig a hole for the container in the center of this cleared circle twice the size of the plant's pot. Backfill the hole with soil while using care to avoid leaving air pockets in the soil. Refer also to the attached planting instructions in *Planting Container Trees and Shrubs*.

Bareroot Inventory: Bare root seedlings should be shovel planted to the same depth that they grew in the nursery fields. Roots will remain moist once they are removed from the shipping bundles until they are planted. Roots will be placed in a natural position in the soil without being crowded or turned up. Soil will be packed firmly around the root system, leaving no air pockets. Prior to digging a hole for the plant, prepare the planting location by removing all grass sod within a 1.5-foot diameter circle, being careful to remove roots as well as above ground grass. Dig a hole for the bare root plant in the center of this cleared circle. Refer also to the attached planting instructions in *Planting Bare Root Trees and Shrubs*.

## 2) Plant Protection Prescription:

Tree Protectors (for sites where deer/elk browse is anticipated): Install fencing, 3 foot diameter and 5 feet high, on newly planted Western Red Cedar to protect trees from deer browsing. Weave 6 foot bamboo stakes fencing and shove at least 8 inches into the ground in order to stabilize.

**Fencing** *Is fencing going to be installed? If so, what type, who will install it and when?*

**Planting Project Maintenance and Monitoring** *The planting must be inspected periodically and protected from damage so proper function is maintained. The goal for the project is to reach 80% survival after 3 years. Please describe the maintenance and monitoring plan.*

**King CD will maintain the project for 3-5 growing seasons. Maintenance activities will include control of invasive species and replanting if survivorship falls below 80%. The landowner is responsible for maintaining the project and providing photo documentation of practice maintenance for the remaining 10-12 years of the practice. Photos must be submitted by 9/1 of each year.**

Treatments must be inspected periodically and protected from damage so proper function is maintained and resource damage is minimized, including assessment of insects, disease and other pests, storm damage, and damage by trespass. The results of inspections shall determine the need for additional treatment under this practice.

Replace dead or dying trees and shrubs and control competing vegetation to support successful establishment. Periodic application of mulch may be needed to maintain plant vigor. Periodic harvest of trees and shrubs (thinning and brushing) may be necessary to maintain the health and vigor of the stand and support its development toward more mature stand conditions. Keep large dead and dying trees for cavity nesting wildlife and bird species and as a source of downed wood in the forest understory and in adjacent or interior aquatic habitats.

If areas were brushed in order to plant trees, maintain these openings until the leader of the tree surpasses the height of the surrounding vegetation.



Where droughty soils and hot growing conditions are anticipated, supplemental watering is recommended. In such cases the District recommends watering planted nursery stock for a minimum of 3 summers following planting. Young bare root, container, and ball/burlap plants have a reduced root system that hampers their ability to survive during the dry summer months (July through October). Watering a minimum of once every two weeks during the dry summer will promote greater rates of survival. Watering once per week is preferable.



All plant protection materials as well as any other non-biodegradable materials installed on-site will be removed within the 3-5 year project maintenance window.





 KCD Project Area  
 Streams

Service Layer Credits: Property\KingCo\Parcels: King county Assessor's Office, King County GIS Center











Service Layer Credits: Property\KingCo\Parcels\ King county Assessor's Office\ King County GIS Center




**Shixu**  
**8100 428th Ave SE**  
**Snoqualmie, WA 98065**  
**Parcel 3424089019**



Scale: 1:31,293

0 1,250 2,500 5,000 Feet



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Zachary Bergen  
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April 13, 2022



## Planting Plan - SHIXU

**Project Description:** If this project was funded, as proposed, the project would be a 50 foot riparian buffer on both the east and west sides of Tate Creek and include approximately 814 linear feet for a 2 acre project. The area north of the driveway is approximately 461 linear feet for 1.06 acres with the area south of the driveway is approximately 353 linear feet for 0.81 acres. Depending on plant species availability shrubs that would do well at this site include: Douglas spiraea, Indian plum, Nootka rose, oceanspray, Pacific ninebark, red osier dogwood, salmonberry, serviceberry, and snowberry. Trees that would be well adapted for site conditions include: big leaf maple, cascara, Douglas fir, grand fir, Oregon ash, Pacific willow, red alder, Sitka willow, western crab apple and western red cedar.

Type	Species	Total	Moisture, Sunlight	Source	Notes
<b>Trees - Wetter</b>					4000 Total
	Black Cottonwood ( <i>Populus trichocarpa</i> )		Moist, part shade/full sun	Bareroot	3000 Shrubs
	Cascara ( <i>Rhamnus purshiana</i> )	100	Moist, part shade/full sun	Bareroot	1000 Trees
	Chokecherry ( <i>Prunus virginiana</i> )	100	Wet/moist, part shade/full sun	Bareroot	
	Oregon Ash ( <i>Fraxinus latifolia</i> )	200	Wet/moist, full sun	Bareroot	
	Pacific Crabapple ( <i>Malus fusca</i> )	100	Wet/moist, part shade/full sun	Bareroot	
	Sitka Spruce ( <i>Picea sitchensis</i> )		Wet/moist, part shade/full sun	Bareroot	
	Western Red Cedar ( <i>Thuja plicata</i> )	100	Wet/moist, full shade/part sun	Bareroot	
<b>Trees - Drier</b>					
	Big Leaf Maple ( <i>Acer macrophyllum</i> )	100	Moist, part shade/full sun	Bareroot	
	Bitter Cherry ( <i>Prunus emarginata</i> )		Moist/Dry, part shade/full sun	Bareroot	
	Douglas fir ( <i>Pseudotsuga menziesii</i> )		Moist/dry, sun/shade	Bareroot	
	Garry Oak ( <i>Quercus garryana</i> )		Dry, full sun	Bareroot	
	Grand Fir ( <i>Abies grandis</i> )	100	Moist/Dry, part shade/full sun	Bareroot	
	Madrone ( <i>Arbutus menziesii</i> )		Dry, full sun	Bareroot	
	Pacific Dogwood ( <i>Cornus nutallii</i> )		Moist/dry, part shade	Bareroot	
	Red Alder ( <i>Alnus rubra</i> )	100	Moist, part shade/full sun	Bareroot	
	Shore Pine ( <i>Pinus contorta</i> )	100	Dry, full sun	Bareroot	
	Western Hemlock ( <i>Tsuga heterophylla</i> )		Moist, part shade/full sun	Bareroot	
	Western White Pine ( <i>Pinus monticola</i> )		Moist/Dry, part shade/full sun	Bareroot	
	<b>Trees Total</b>	<b>1000</b>			
<b>Shrubs - Wetter</b>					
	Black Hawthorn ( <i>Crataegus douglasii</i> )		Moist, part shade/full sun	Bareroot	
	Black Twinberry ( <i>Lonicera involucrata</i> )	300	Wet/moist, part shade/part sun	Bareroot	
	Pacific ninebark ( <i>Physocarpus capitatus</i> )	300	Wet/moist, full sun	Bareroot	
	Peafruited Rose ( <i>Rosa pisocarpa</i> )	300	Moist, full sun	Bareroot	
	Red Elderberry ( <i>Sambucus racemosa</i> )		Moist, shade/part sun	Bareroot	
	Red Osier Dogwood ( <i>Cornus sericea</i> )	400	Wet/moist, part shade/full sun	Bareroot	
	Black Gooseberry ( <i>Ribes lacustre</i> )		Moist, part shade/full sun	Bareroot	
	Wild Gooseberry ( <i>Ribes divaricatum</i> )		Moist, part shade/full sun	Bareroot	
	Salmonberry ( <i>Rubus spectabilis</i> )		Wet/moist, part shade/part sun	Bareroot	
	Willow, Hookers ( <i>Salix hookeriana</i> )		Wet/Moist, full sun	Bareroot	
	Willow, Pacific ( <i>Salix lasiandra</i> )		Wet, full sun	Bareroot	
	Willow, Scouler's ( <i>Salix scouleriana</i> )		Moist/Wet, part shade/full sun	Bareroot	
	Willow, Sitka ( <i>Salix sitchensis</i> )		Wet, full sun	Bareroot	
<b>Shrubs - Drier</b>					
	Evergreen Huckleberry ( <i>Vaccinium ovatum</i> )		Dry/Moist, shade/part sun	Bareroot	
	Hazelnut ( <i>Corylus cornuta</i> )		Moist/Dry, part shade/part sun	Bareroot	
	Indian plum ( <i>Oemleria cerasiformis</i> )	100	Moist, shade/part sun	Bareroot	
	Mock Orange ( <i>Philadelphus lewisii</i> )	200	Moist, part shade/part sun	Bareroot	
	Baldhip Rose ( <i>Rosa gymnocarpa</i> )		Dry/Moist, full sun	Bareroot	
	Blue Elderberry ( <i>Sambucus cerulea</i> )		Dry/Moist, full sun	Bareroot	
	Nootka Rose ( <i>Rosa nutkana</i> )		Moist/dry, full sun	Bareroot	
	Oceanspray ( <i>Holodiscus discolor</i> )	200	Dry/Moist, part shade/part sun	Bareroot	
	Red Flowering Current ( <i>Ribes sanguineum</i> )	200	Dry/Moist, part shade/full sun	Bareroot	
	Red huckleberry ( <i>Vaccinium parviflorum</i> )		Moist, shade/part sun	Bareroot	
	Pacific Rhododendron ( <i>Rhododendron Macrophyllum</i> )		Moist, shade/part sun	Bareroot	
	Serviceberry ( <i>Amalanchier alnifolia</i> )	200	Moist/Dry, full sun	Bareroot	
	Snowberry ( <i>Symphoricarpos albus</i> )	400	Moist/dry, part shade/full sun	Bareroot	
	Tall Oregon Grape ( <i>Mahonia aquilifolia</i> )	200	Dry/Moist, part shade/full sun	Bareroot	
	Thimbleberry ( <i>Rubus parviflorus</i> )	200	Moist, full sun, some shade	Bareroot	
	Vine Maple ( <i>Acer circinatum</i> )		Moist, part shade/part sun	Bareroot	
	<b>Shrubs Total</b>	<b>3000</b>			

## Project Implementation Timeline

**Cooperator:** Sophia Shixu  
8100 428th ave SE  
Snoqualmie, WA 98065

**Parcel:** 3424089019

### Landowner and KCD Objectives:

The potential SHIXU project is located on Tate Creek in the town of Snoqualmie. Tate Creek enters the SHIXU property from the north, travels under SE 79th Street and generally flows to the south where it exits the SHIXU property. Approximately, 2500 ft down stream from the SHIXU property Tate create creates its confluence with the North Fork of the Snoqualmie River. The parcel to the north of the SHIXU is an active KCD riparian buffer project "Little John" which is about 1.2 acres and was planted in 2019. The riparian area on the SHIXU property is mostly devoid of native vegetation and is dominated by reed canarygrass (Class C) in the wetter areas and Himalayan blackberry (Class C) in the drier areas. There is very little elevation change across the property and water is being held on the landscape south of the driveway bridge, on the southern end of the parcel. Just north of the driveway bridge there is an area that will not be planted that extends to the other side of a second driveway (150 ft). In this no plant area there is a walking path and a sitting area.

### Other Considerations:

No heavy equipment will be used during the installation of the project. Only hand tools and hand held brushcutters will be used. Washington State Aquatic Herbicide permit will be obtained before any herbicide is sprayed on site.

Land Use: Residential

Management Area/ Acreage	Month/Year	Description of Activities
2 Acres	Summer/ Fall 2022	<b>Site Prep</b> - KCD use a combination of manual and chemical treatment to treat non-native vegetation. Treatments will include 1 mechanical treatment and 1-2 chemical treatmnets. Herbicides will applied by State Licensed applicators using aquatically approved herbicides and surfactants.
2 Acres	Winter 2022	<b>Planting</b> - KCD crews will install 1-2 gallon native trees and shrubs according to the planting plan which will specify species. All plant material will be will be sourced from local stock.
2 Acres	Summer 2023- 2026	<b>Maintenance</b> - KCD crews will maintain the plantings for 3 to 5 seasons following installation. Maintenance will include the control of non-native vegetation. Chemical,mechanicaland manual techniques will be implemented.