

KING CONSERVATION DISTRICT
BOARD OF SUPERVISORS MEETING
February 10th, 2020
5:00 PM to 7:00 PM – King Conservation District Office
800 SW 39th St, Suite 150
Renton, WA 98057
425-282-1900
Zoom Meeting
<https://zoom.us/j/543481038>
Call-In Number: (669) 900-6833
Meeting ID: 543 481 038
Meeting Agenda

Call to Order

- | | |
|---|------------------|
| 1. Preliminary Matters | 5:00-5:02 |
| a) Introductions | |
| b) Additions or Corrections to the Agenda | |
| c) Adoption of the Board Agenda | |
| 2. Consent Agenda | 5:02-5:15 |

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 Member

- a) Board Minutes – January 7th, 2020; January 13th, 2020; January 13th, 2020; January 27th 2020
- b) KCD LIP Applications-
 - 1) AI 20-2005: Meri Rinehart for a Waste Storage Facility and Subsurface Drain.
- c) Member Jurisdiction Grant Applications-
 - 2) AI 20-2006: Town of Beaux Arts – Academy Path & Adjacent Woods Restoration

- | | |
|---------------------------|------------------|
| 3. Public Comment: | 5:15-5:30 |
| 4. Finance: | 5:30-6:00 |

1) AI 20-007: A motion to approve check numbers 22359 through 22433 for a total of \$475,196.87; non-payroll EFT's totaling \$8,447.85; Bank Fees of \$78.00; and January 2020 payroll for \$214,232.09.

- | | |
|--|------------------|
| 2) AI 20-2008: Finance Committee Report- 2019 Year End Close Out – Knutsen | 5:30-5:40 |
| | 5:40-6:00 |

SNACK BREAK	6:00-6:15
--------------------	------------------

- | | |
|--------------------------------|------------------|
| 5. Unfinished Business: | 6:15-6:45 |
|--------------------------------|------------------|

- | | |
|-------------------------------------|------------------|
| 1) Legislative Update – Reed/Haugen | 6:15-6:30 |
| 2) Election Update | 6:30-6:45 |

- | | |
|-------------------------|------------------|
| 6. New Business: | 6:45-7:00 |
|-------------------------|------------------|

- 1) AI 20-2009: 2020 Working Lands Initiative Program of Review

KING CONSERVATION DISTRICT

Board of Supervisors

Meeting Minutes

1/7/2020

Supervisors Present: Dick Ryon – Chair; Burr Mosby – Vice Chair (via Zoom); Bill Knusten – Auditor (via Zoom); Kirstin Haugen – Supervisor (via Zoom)

Associate Supervisors Present:

Guests Present:

Staff Present: Bea Covington, Deirdre Grace (via Zoom), Jessica Saavedra (via Zoom), Clyzzel Samson

Preliminary Matters:

Chairman Ryon called meeting to order at 8:20 am. All attendees introduced themselves. Ryon asked for additions or corrections to the current agenda.

Haugen moved; Mosby seconded passed unanimously a motion to approve the agenda (4 ayes, 0 nays)

Public Comment: None

New Business:

- 1) AI 20-001, Resolution 20-001: A resolution approving the submission of the Snoqualmie Tribal Community Garden Shelter Installation Project grant proposal to the National Association of Conservation Districts.

Samson introduced the proposal.

There was a discussion about the importance of the project and its alignment with KCD Equity and Social Justice goals.

Haugen moved; Knusten seconded passed unanimously a motion to approve AI 20-001, Resolution 20-001, a resolution approving the submission a grant proposal to the National Association of Conservation Districts. (4 ayes, 0 nays)

There was no more business before the Board.

Knutsen moved; Mosby seconded passed unanimously a motion to adjourn the meeting. (4 ayes, 0 nays)

27

28

29

30 _____
Authorized Signature

Date

31

32

Summary of Motions

33 **Haugen moved; Mosby seconded passed unanimously a motion to approve the agenda (4**
34 **ayes, 0 nays)**

35 **Haugen moved; Knusten seconded passed unanimously a motion to approve AI 20-001,**
36 **Resolution 20-001, a resolution approving the submission a grant proposal to the National**
37 **Association of Conservation Districts. (4 ayes, 0 nays)**

38 **Knutsen moved; Mosby seconded passed unanimously a motion to adjourn the meeting. (4**
39 **ayes, 0 nays)**

40

41

KING CONSERVATION DISTRICT

Board of Supervisors

Meeting Minutes

January 13, 2020

1 **Supervisors Present:** Dick Ryon – Chair (via Zoom); Burr Mosby – Vice Chair (via Zoom); Bill
2 Knusten – Auditor (via Zoom); Kirstin Haugen – Supervisor (via Zoom)

3 **Associate Supervisors Present:** Chris Porter (via Zoom); Rachel Molloy (via Zoom)

4 **Guests Present:** Jean Fike – WSCC (via Zoom); Felicia Erlich – Democracy Live (via Zoom);
5 Bryan Finney – Democracy Live (via Zoom); Bill Eller – WSCC (via Zoom); Erin Schultz – NWP
6 (via Zoom)

7 **Staff Present:** Bea Covington (via Zoom), Ava Souza, Lindsey Davidson (via Zoom), Brandy
8 Reed (via Zoom), Josh Monaghan (via Zoom); Deirdre Grace (via Zoom)

9 **Preliminary Matters:**

10 Chairman Ryon called meeting to order at 5:09 pm. All attendees introduced themselves. Ryon
11 asked for additions or corrections to the current agenda.

12 Ryon stated that the Executive Session will be postponed until all five supervisors can be in
13 attendance.

14 Souza requested Year End Financials be postponed until the next Board meeting due to inclement
15 weather and the cancellation of the January Finance Sub-Committee Meeting.

16 **Mosby moved; Knutsen seconded passed unanimously a motion to approve the agenda as**
17 **amended (4 ayes, 0 nays)**

18 **Public Comment:**

19 **Consent Agenda:**

20 Ryon read the consent agenda items aloud and all items were voted on.

21 a) Board Minutes – 12.09.19

22

23 b) KCD LIP Applications- None

24

25 c) Member Jurisdiction Grant Applications- None

26

27 Ryon and Haugen noted minor corrections to the 12.09.19 Meeting Minutes.

Haugen moved; Knusten seconded passed unanimously a motion to approve the consent agenda as corrected (4 ayes, 0 nays).

Pulled Consent Agenda Items: None

Presentations: Democracy Live Demo

Finney explained Democracy Live and what they do including the company's history, credentials, and current online balloting clients. He expressed excitement for the partnership with KCD and expanding voter participation in our upcoming election. Finney detailed the experience voters will have and shared a demonstration of the online voting app.

The Board asked Finney questions on the material presented including troubleshooting if there are technical difficulties, write-ins, and signatures.

There was Board discussion about the voter portal logos, language in the website directions, and voter privacy.

Haugen asked about Tusk and the outreach element of the election. Covington stated she will send details to the Board via email in the next day or two.

Covington added that 27 out of the 70 ballot boxes available to voters are exclusively for the KCD election. There is the issue of finding staff volunteers or hired assistance to lock ballot boxes simultaneously at the close of the election. The Board suggested organizations that may have volunteers and Covington stated she will explore those options before requesting staff volunteers.

Finance:

- 1) AI 20-002: A motion to approve check numbers 22262 through 22358 for a total of \$443,302.06; non-payroll EFT's totaling \$435.09; Bank Fees of \$78.00; and December 2019 payroll for \$214,624.06 – Souza

Souza reiterated that the Year End Financials presentation will be postponed until the February meeting. She explained that we ended the year or target with what was budgeted. She continued that for the month of December there was nothing out of the ordinary. She noted there were a lot of the checks coming out the restricted accounts in December, which is also normal for the end of the year.

Haugen asked about Terra Firma Consulting and McCaffery Consulting and what work they do for the District.

Covington confirmed Terra Firma is a consultant used to implement forestry grant coordination. She continued this scope of work will be moving to new KCD position once hired. Covington also confirmed McCaffery is a pass-through contract for PSCD Caucus work that is funded by a grant through the Russell Family Foundation.

Knutsen moved; Mosby seconded passed unanimously a motion to approve AI 20-002 A motion to approve check numbers 22262 through 22358 for a total of \$443,302.06; non-payroll EFT's totaling \$435.09; Bank Fees of \$78.00; and December 2019 payroll for \$214,624.06 (4 ayes, 0 nays)

Unfinished Business:

1) Working Lands Initiative Update – Monaghan

Monaghan explained how KCD received funding for Working Land Initiatives and how the scope of work was determined. He summarized the scope of work for each of the four categories, what deliverables were achieved in 2019, and what goals are set for 2020.

Molloy asked if there is a way for the public to engage in some of these initiatives.

Monaghan stated that some of the work being funded by Working Lands is now being funded by Rates and Charges so there is opportunity to coordinate more projects. He added that they are trying to engage with as many people and landowners as possible.

The Board asked programmatic questions regarding agricultural drainage planning, which Monaghan answered and discussed.

2) Legislative Day Coordination – Grace

Grace reminded everyone that Legislative Day is Tuesday, January 21st. She explained we are coordinating with WACD are in the process of finalizing a meeting schedule. She added that this year will be more focused on five to ten legislators due to the KCD election being the following day.

Knutsen spoke to his positive experience working alongside WACD last year.

New Business:

- a. AI 20-003, Resolution 20-002: A resolution of the Board of Supervisors of the King Conservation District, King County Washington, Regarding The Subject Of District Elections – Knusten

Knutsen summarized the resolution in its entirety. He expressed the importance of partnering with other conservation districts as well as supporting and respecting their individual needs with regards to Election reform.

Haugen requested clarification. Knutsen explained that this resolution is to show support for the work WACD, WSCC, and other Districts are doing.

The Board discussed changes to the language in the resolution and the position KCD should take with regards to election reform until the next Area Meeting.

The Board discussed amending the resolution to strike everything after Line 38 in the last paragraph.

Haugen asked that the resolution be reviewed by legal, Covington agreed to follow up.

Knusten moved; Mosby seconded passed unanimously a motion to amend Resolution 20-002 (4 ayes, 0 nays).

Knusten moved; Mosby seconded passed a motion to approve AI 20-003, Resolution 20-002 A Resolution of the Board of Supervisors of the King Conservation District, King County, Washington, regarding the subject of District elections as amended (3 ayes, 1 abstain).

There was no more business before the Board.

Knutsen moved; Haugen seconded passed unanimously a motion to adjourn the meeting at 7:40 pm. (4 ayes, 0 nays)

Authorized Signature

Date

Summary of Motions

Mosby moved; Knutsen seconded passed unanimously a motion to approve the agenda as amended (4 ayes, 0 nays)

Haugen moved; Knusten seconded passed unanimously a motion to approve the consent agenda as corrected (4 ayes, 0 nays)

Knutsen moved; Mosby seconded passed unanimously a motion to approve AI 20-002 A motion to approve check numbers 22262 through 22358 for a total of \$443,302.06; non-payroll EFT's totaling \$435.09; Bank Fees of \$78.00; and December 2019 payroll for \$214,624.06 (4 ayes, 0 nays)

124 **Knusten moved; Mosby seconded passed unanimously a motion to amend Resolution 20-**
125 **002 (4 ayes, 0 nays).**

126 **Knusten moved; Mosby seconded passed a motion to approve AI 20-003, Resolution 20-002**
127 **A Resolution of the Board of Supervisors of the King Conservation District, King County,**
128 **Washington, regarding the subject of District elections as amended (3 ayes, 1 abstain).**

129 **Knutsen moved; Haugen seconded passed unanimously a motion to adjourn the meeting at**
130 **7:40 pm. (4 ayes, 0 nays)**

131

132

KING CONSERVATION DISTRICT

Board of Supervisors
Grant Subcommittee Meeting
Meeting Minutes
January 13, 2020

1 **Supervisors Present:** Dick Ryon – Chair, Kirstin Haugen

2 **Associate Supervisors Present:** None.

3 **Guests Present:** None

4 **Staff Present:** Jessica Saavedra, Deirdre Grace, Bea Covington

5 **Preliminary Matters:**

6 Meeting called to order at 4:13 pm by Dick Ryon.

7 Saavedra requested three additions to the agenda. Item number one is an application from the Town
8 of Beaux Arts for a restoration project. Item number two is a grant close out form for the City of
9 Sammamish 2019 Stormwater Outreach grant. Item number three is another grant close out form
10 for the Fauntleroy Watershed Council Kilbourne Ravine Restoration grant.

11 **Haugen moved, Ryon seconded, unanimously passed a motion to approve the agenda as**
12 **amended.**

13 Applications

14 **Haugen moved, Ryon seconded, unanimously passed a motion to recommend the Member**
15 **Jurisdiction grant application from the Town of Beaux arts for the Academy Path and**
16 **Adjacent Woods Restoration project requesting \$610 for approval at the next Board of**
17 **Supervisors meeting.**

18 Amendments

19 **Ryon moved, Haugen seconded, unanimously passed a motion to approve the amendment**
20 **request from the City of Sammamish for the 2019 Stormwater Outreach project revising the**
21 **budget to reflect actual expenditures and unspent funding in the amount of \$6,244.55.**

22 **Haugen moved, Ryon seconded, unanimously passed a motion to approve the amendment**
23 **request from City of Bellevue for the Replacement of Waterwise Garden Interpretive**
24 **Signage project revising the budget to request \$7,000 of additional funding to install a fourth**
25 **sign, purchase plant identification tags and incorporate stormwater pollution prevention**
26 **messaging as well as extend the completion date to 10/31/2020.**

27 **Haugen moved, Ryon seconded, unanimously passed a motion to approve the amendment**
28 **request from Na'ah Illahee Fund for the Seattle Urban Native Community Indigenous Foods**
29 **and Ecological Knowledge Project revising the completion date from December 31, 2019 to**
30 **April 30, 2020.**

KING CONSERVATION DISTRICT

Board of Supervisors
Grant Subcommittee Meeting
Meeting Minutes
January 13, 2020

Ryon moved, Haugen seconded, unanimously passed a motion to approve the amendment request from the City of Bellevue for the Lake Hills Greenbelt SE 8th Wetland Buffer Restoration project revising the budget to reflect final expenditures and \$114.83 in unspent funding.

Close outs

Ryon moved, Haugen seconded, unanimously passed a motion to close the City of Bellevue Lake Hills Greenbelt SE 8th Wetland Buffer Restoration project grant agreement.

Haugen moved, Ryon seconded, unanimously passed a motion to close the City of Sammamish for the 2019 Stormwater Outreach grant agreement.

Haugen moved, Ryon seconded, unanimously passed a motion to close the Fauntleroy Watershed Council Kilbourne Ravine Riparian and Buffer grant agreement.

Ryon moved; Haugen seconded unanimously passed a motion to adjourn the meeting at 5:00 pm

Authorized Signature

Date

Summary of Motions

Haugen moved, Ryon seconded, unanimously passed a motion to approve the agenda as amended.

Haugen moved, Ryon seconded, unanimously passed a motion to recommend the Member Jurisdiction grant application from the Town of Beaux arts for the Academy Path and Adjacent Woods Restoration project requesting \$610 for approval at the next Board of Supervisors meeting.

Ryon moved, Haugen seconded, unanimously passed a motion to approve the amendment request from the City of Sammamish for the 2019 Stormwater Outreach project revising the budget to reflect actual expenditures and unspent funding in the amount of \$6,244.55.

Haugen moved, Ryon seconded, unanimously passed a motion to approve the amendment request from City of Bellevue for the Replacement of Waterwise Garden Interpretive Signage project revising the budget to request \$7,000 of additional funding to install a fourth sign, purchase plant identification tags and incorporate stormwater pollution prevention messaging as well as extend the completion date to 10/31/2020.

KING CONSERVATION DISTRICT

Board of Supervisors
Grant Subcommittee Meeting
Meeting Minutes
January 13, 2020

62 Haugen moved, Ryon seconded, unanimously passed a motion to approve the amendment
63 request from Na'ah Illahee Fund for the Seattle Urban Native Community Indigenous Foods
64 and Ecological Knowledge Project revising the completion date from December 31, 2019 to
65 April 30, 2020.

66 Ryon moved, Haugen seconded, unanimously passed a motion to approve the amendment
67 request from the City of Bellevue for the Lake Hills Greenbelt SE 8th Wetland Buffer
68 Restoration project revising the budget to reflect final expenditures and \$114.83 in unspent
69 funding.

70 Ryon moved, Haugen seconded, unanimously passed a motion to close the City of Bellevue
71 Lake Hills Greenbelt SE 8th Wetland Buffer Restoration project grant agreement.

72 Haugen moved, Ryon seconded, unanimously passed a motion to close the City of
73 Sammanish for the 2019 Stormwater Outreach grant agreement.

74 Haugen moved, Ryon seconded, unanimously passed a motion to close the Fauntleroy
75 Watershed Council Kilbourne Ravine Riparian and Buffer grant agreement.

76 Ryon moved; Haugen seconded unanimously passed a motion to adjourn the meeting at 5:00
77 pm

KING CONSERVATION DISTRICT

Board of Supervisors
Grant Subcommittee Meeting
Meeting Minutes
January 27th, 2020

1 **Supervisors Present:** Dick Ryon – Chair, Burr Mosby, Kirstin Haugen

2 **Associate Supervisors Present:** Rachel Malloy

3 **Guests Present:** None

4 **Staff Present:** Jessica Saavedra, Deirdre Grace

5 **Preliminary Matters:**

6 Meeting called to order at 4:02 pm by Dick Ryon.

7 **Mosby moved, Ryon seconded, unanimously passed a motion to revise the agenda to add the**
8 **grant agreement close out for the Duwamish Tribal Services Longhouse Restoration project.**

9 Applications

10 Saavedra reviewed the City of Auburn’s grant application for the 2020 Auburn International
11 Farmers Market – Marketing and Demonstrations. Malloy asked for a breakdown of the
12 advertising budget and wanted to know what their targets are for outreach to the general public
13 each year. Malloy asked about the proportion of spending to market the SNAP through EBT
14 benefits compared to the overall budget. Saavedra asked if Malloy could meet with her outside of
15 the subcommittee meeting to discuss her questions prior to relaying them to the applicant.

16 **Mosby moved and Haugen seconded, Mosby called the question to discuss the proposal and**
17 **later requested to withdraw the motion to recommend the application for approval.**

18 Mosby voiced concerns about language in the application that referenced factory farmers versus
19 small family farmers. Mosby stated that his farm could be considered a factory farm and that
20 anyone who makes \$1,000/year or more from a farm business is considered a farmer. Mosby
21 expressed that this language is negative and demonstrates a lack of understanding about the state
22 of farming and the difficulties farmers of all types face. In addition, references to small family
23 farmers being better stewards of natural resources concerned Mosby because he works hard to
24 ensure best management practices to steward natural resources are being implemented on his farm.
25 Mosby stated that there are large farms from the eastside of Washington State that attend farmers
26 markets in the area and sell their produce for cheaper prices than local farmers can. Mosby offered
27 to talk with the applicant, Amanda Valdez, about the positive things farmers are doing, that some
28 of the statements in the application are unnecessary and offer edit suggestions. Saavedra stated
29 that she will communicate with Amanda about Mosby’s suggested edits and that the revisions
30 would need to be brought back to the next grant subcommittee meeting on February 10th, 2020
31 which would delay the application’s consideration for approval until the March Board of
32 Supervisors meeting. Supervisors agreed that the proposal needs to be reconsidered at the next
33 meeting.

KING CONSERVATION DISTRICT

Board of Supervisors
Grant Subcommittee Meeting
Meeting Minutes
January 27th, 2020

34 Amendments – None

35 Close outs

36 Saavedra reviewed three grant agreement close out forms before the subcommittee.

37 Haugen moved, Mosby seconded, unanimously passed a motion to close the Coastal Geologic
38 Services, Inc. 2019 Seahurst Park South and North Beach Monitoring grant agreement.

39 Mosby moved, Haugen seconded, unanimously passed a motion to close the City of Bellevue
40 Lewis Creek Park Interpretive Signage grant agreement.

41 Haugen moved, Mosby seconded, unanimously passed a motion to close the Duwamish
42 Tribal Services Longhouse Restoration project grant agreement.

43 Mosby moved, Haugen seconded unanimously passed a motion to adjourn the meeting at
44 5:06 pm

45 _____

46 Authorized Signature

_____ Date

47 Summary of Motions

48 Mosby moved, Ryon seconded, unanimously passed a motion to revise the agenda to add the
49 grant agreement close out for the Duwamish Tribal Services Longhouse Restoration project.

50 Mosby moved and Haugen seconded, Mosby called the question to discuss the proposal and
51 later withdrew the motion to recommend the application for approval.

52 Haugen moved, Mosby seconded, unanimously passed a motion to close the Coastal Geologic
53 Services, Inc. 2019 Seahurst Park South and North Beach Monitoring grant agreement.

54 Mosby moved, Haugen seconded, unanimously passed a motion to close the City of Bellevue
55 Lewis Creek Park Interpretive Signage grant agreement.

56 Haugen moved, Mosby seconded, unanimously passed a motion to close the Duwamish
57 Tribal Services Longhouse Restoration project grant agreement.

58 Mosby moved, Haugen seconded unanimously passed a motion to adjourn the meeting at
59 5:06 pm

King Conservation District Landowner Incentive Program
2020 January Awards

BUDGET SUMMARY

Total- Cost-share Budget	\$388,009.59
Total- Cost-share Awarded	\$11,704.50
2020 Awards	\$0.00
January Award Cycle	\$11,704.50
Cost-share Budget Remaining	\$376,305.09

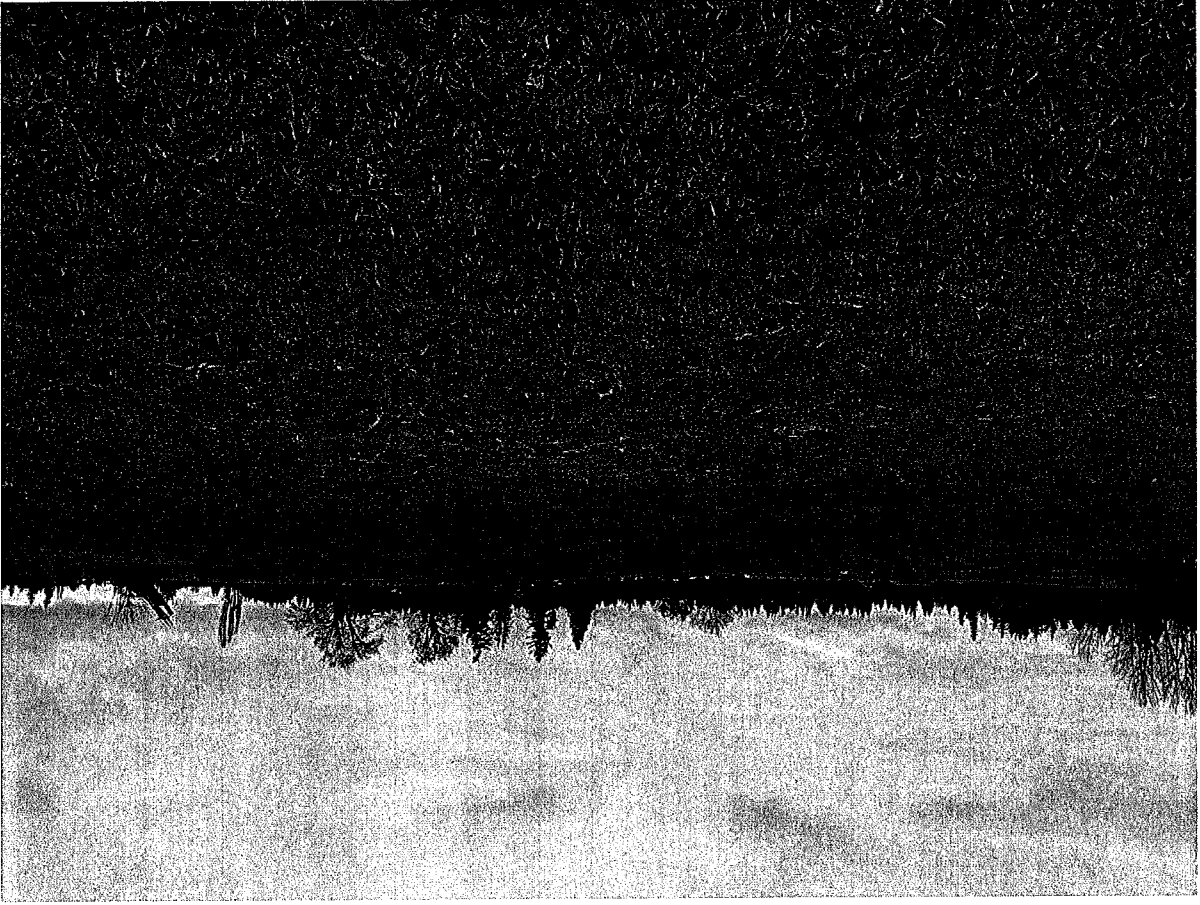
Funds Available to Reallocate	\$612.00
Adjusted Balance Available for FY 2020	\$376,917.09

COST SHARE AWARD DETAIL- February Cycle									
Last Name	First Name	Best Management Practice	Award Amount	Completion Date	Acres	Feet	Plants	Qty	
Mo	Andrew	Hedgerow	\$ 2,240.00	2/1/2020	0.22	66	176		
Hoffman	Phillipp	Riparian Forest Buffer	\$ 9,464.50	6/1/2021	0.37	450	1024		
Total			\$11,704.50		0.59	66.00	1200		

COST-SHARE FUNDS AVAILABLE TO REALLOCATE (Prior & Current Year Contracts, Cancelled or Closed Under Budget During CY 2019)		
Status	Number of Contracts	Amount

Closed Underbudget	1	\$ 612.00
Cancelled	0	
	1	\$ 612.00

2019-22 – Jim Ritter – Cover Crop - LIP Inspection - 01/02/2020



2015-55 – Liway Hsi – Forest Health Management – Inspection 01/21/2020



**King Conservation District Board of Supervisors Meeting 02/10/2020
Agenda Action Briefing/Report AI 20-2005**

SUBJECT:

Approve KCD Landowner Incentive Program cost-share application from Meri Rinehart, for a Waste Storage Facility, in the amount of \$10,950.00.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2020 is summarized in the following table:

2020 LIP Cost-share Available	\$376,305.09
Current Request	\$10,950.00
Approved Cost-share for Subsurface Drain if this WSF cost-share request approved	\$510.00
Balance Remaining	\$364,845.09

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. The budget revision request has been advanced for due pass by the Board of Supervisors.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management and aquatic area enhancement programs
- King CD Board members and staff

BACKGROUND

Application Information & Details

Meri operates a small animal rescue on this property. The manure is currently stored in a pile south of the barn. Meri would like to establish a waste management system west of the barn next to a new access road and cut into the natural slope of that area. The closest sensitive area is a small seasonal pond 300 feet southeast of the planned bin locations in the wooded section of the pasture. A total of three 10ft (w) X 10ft (l) X 4ft (h) bins will be installed with ecoblocks. A concrete base with a 4" minimum thickness, including an apron (2-4 ft) in width will be installed as a base for the bins. Bins will hold up to four months of manure and will need to be emptied several times throughout the year. Meri plans on installing a roof over the bins and at minimum will use a tarp to cover the manure. A subsurface drain, whose cost-share contract has been pre-approved by the LIP Review Committee pending board approval of this waste storage facility cost-share request. The drain will be installed behind the bins to divert groundwater around the bins and prevent seepage.

EFFECTIVE DATE

The application 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 Application from Meri Rinehart, for Buffer Fencing, in the amount of \$10,950.00.

MOTION

_____ Moved, _____ Seconded; Passed a motion to Approve KCD Landowner Incentive Program Application from Meri Rinehart, for Waste Storage Facility, in the amount of \$10,950.00.

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: Meri Rinehart		Farm/Business Name: Willow River Equine Rescue	
Mailing Address: 22020 286th Ave SE Maple Valley, WA 98038		Project Address: Same	
Phone (home): 206-313-5874		Phone (work/mobile): Same	
Email Address: rinehart_m@hotmail.com		KCD Staff: Megan Weldon	
Parcel #(s): 0722079056	<input type="checkbox"/> Incorporated <input checked="" type="checkbox"/> Unincorporated	Total Farm/Land Acreage: 5.03 acres	<input type="checkbox"/> T.A. <input checked="" type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input checked="" 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): Waste Storage Facility and Subsurface Drain
Project Completion Date (month and year): 02/2021
<p>Current Site Conditions (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):</p> <p>Meri is operating a small animal rescue on this property is working towards establishing a manure management system, heavy use areas and pastures in the large eastern pasture. The manure is currently stored in a pile south of the barn. Meri would like to establish a waste management system by building bins west of the barn next to a new access road. These bins would be cut into the natural slope in that area. The closest sensitive area is a small seasonal pond that occurs in the wooded section of this pasture. This pond is approximately 300ft. southeast of the planned bin locations.</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):</p> <p>A total of three 10ft.(w) x 10ft.(l) x 4ft.(h) bins will be installed with ecoblocks. A concrete base (with a 4" minimum thickness), including an apron (2-4ft.) in width will be installed as a base for the bins. Bins will hold up to 4 months of manure and will need to be emptied several times throughout the year. These bins will be installed into a naturally sloped area (cut into the slope). A subsurface drain will be installed behind the bins to divert groundwater around the bins (preventing seepage). Meri plans to install a roof over these bins. At minimum, a tarp is required over each bin, to prevent nutrient leaching and to control the moisture content for effective composting.</p>
<p>Maintenance Plan (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):</p> <p>Ensure bins are well covered. Empty manure bins on a quarterly basis. Monitor bins during the wet winter months and after large rain events to ensure that nutrients (liquid manure) are not seeping from the bins, creating runoff. Monitor outlet of subsurface drain to ensure that erosion or channelization is not occurring at mouth of outlet pipe. Repair bins and subsurface drain as needed. Repair tarps on ongoing basis (if applicable).</p>

Permits (List all permits required to complete this project):

A permit is only needed if a roof is installed.

Photos: 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 15 8 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. W (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. W (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. W (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. W (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. W (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. W (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.

W (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. W (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. W (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. W (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: W (Initial Here)

- 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.).*
- I relinquish or lose ownership of equipment purchased with KCD cost-share.
- 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).
- I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- 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: W (Initial Here)

- I will select a visible location on my property for display of the sign and will install it.
- I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Meri Rinehart

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:

\$10,950.00

**Please attach the waste calculation worksheet to this application*

Landowner: Meri Rinehart	Lifetime of Practice: 15 years
--------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> To temporarily store manure in a dry stack	<input type="checkbox"/> To improve soil fertility, tilth and water holding capacity
<input checked="" type="checkbox"/> To reduce the pollution potential of organic agricultural wastes to surface and ground water	<input type="checkbox"/> To reduce odor, fly and other vector problems
<input checked="" type="checkbox"/> To reduce bulk of organic material to be spread	<input type="checkbox"/> To destroy weed seed and pathogens

Proximity of facility to sensitive areas, wells, and property boundary (distance in feet)
Proximity to sensitive areas: These bins will be located approximately 300 feet from a seasonal pond, located in the forested eastern section of property.
Will the manure bins be located in the floodplain?: No

Number of AUEs the facility is planned for: Include volume of waste.
AUEs: 14.6 AUEs (1 goat, 8 horses, and 5 cows)
Waste volume: 136 cubic yards before reduction
How many months of storage is this planned for?: 4 months

Specifics of facility (number of bins, type of construction material) *Please attach a drawing of an approved design.
Number of bins, bin dimensions: Install three 10ft.(w) x 10ft.(l) x 4ft.(h) bins with a 2-4ft. long concrete apron in front of bins.
Construction materials: Ecoblocks and concrete.
Compost bin design: KCD standard design
How will manure be covered?: Bins will be covered at minimum with tarps, but a roof is recommended.

Permits

Are there permits necessary for the project? If so, please list below and include a copy of the permit.

If a roof is installed a permit is required, because roof would be beyond 200sq. ft., see the code references below.

*Common circumstances that trigger a KC permit include, but are not limited to:
Contact the Permitting Office with questions.*

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 (PDF*, 344KB) 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.

Grading: King County code requires that in general, any grading within a sensitive area, or any excavation greater than five feet in depth or over 100 cubic yards, or any fill greater than three feet in depth or greater than 100 cubic yards, or creation of more than 2,000 square feet of new impervious surface, requires a permit.

Roof: If the compost facility is under 200 sq. ft. it does not need a permit to cover with a roof. Above 200 sq. ft. would require a King County permit to roof the structure. The roof overhang of a 200 sq. ft structure may not exceed 24 inches, measured horizontally from exterior wall.

****Landowners must follow all local, state, and federal laws.**

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 action immediately 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 KC Code, manure storage should be covered, 35' from property boundary, 100' from wells, and 100 ft from areas of open water.

If the facility is in a floodplain, compensatory storage must be provided at the same elevation, equivalent to the volume of the facility that is in the 100-year flood plain.

Landowner: Meri Rinehart	Lifetime of Practice: 20 Years
--------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Improve the soil environment for vegetative growth, reduce erosion, and improve water quality.	<input type="checkbox"/> Regulate water to control health hazards caused by pests Improve Collect ground water for beneficial uses.
<input type="checkbox"/> Improve/collect ground water for beneficial uses.	<input checked="" type="checkbox"/> Remove water from around heavy use areas, such as around buildings, roads, and play areas; and accomplish other physical improvements related to water removal.

Length of subsurface drain
<p>The length will be 36 feet with 10-15 foot outlet pipe. The total will be up to 51 linear feet. Outlet should drain eastward downslope of bins. Drain should ensure that groundwater does not mix with manure or seep into bins.</p>

Details of subsurface drain (type & size of pipe, type & size of rock, and depth below surface)
<p>The drain will be located directly behind a manure bin cut into the natural slope, to intercept ground water. Follow the attached specifications for the curtain drain design. See pages 3 and 4. Install trench with a 2' minimum width at a depth between 18-48", using a perforated PVC drain pipe.</p>

Permits

Are there clearing or grading permits necessary for the project? If so, please list below and include a copy of the permit.

No

Common circumstances that trigger a KC permit include, but are not limited to:

Contact the Permitting Office with questions.

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 (PDF*, 344KB) 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.

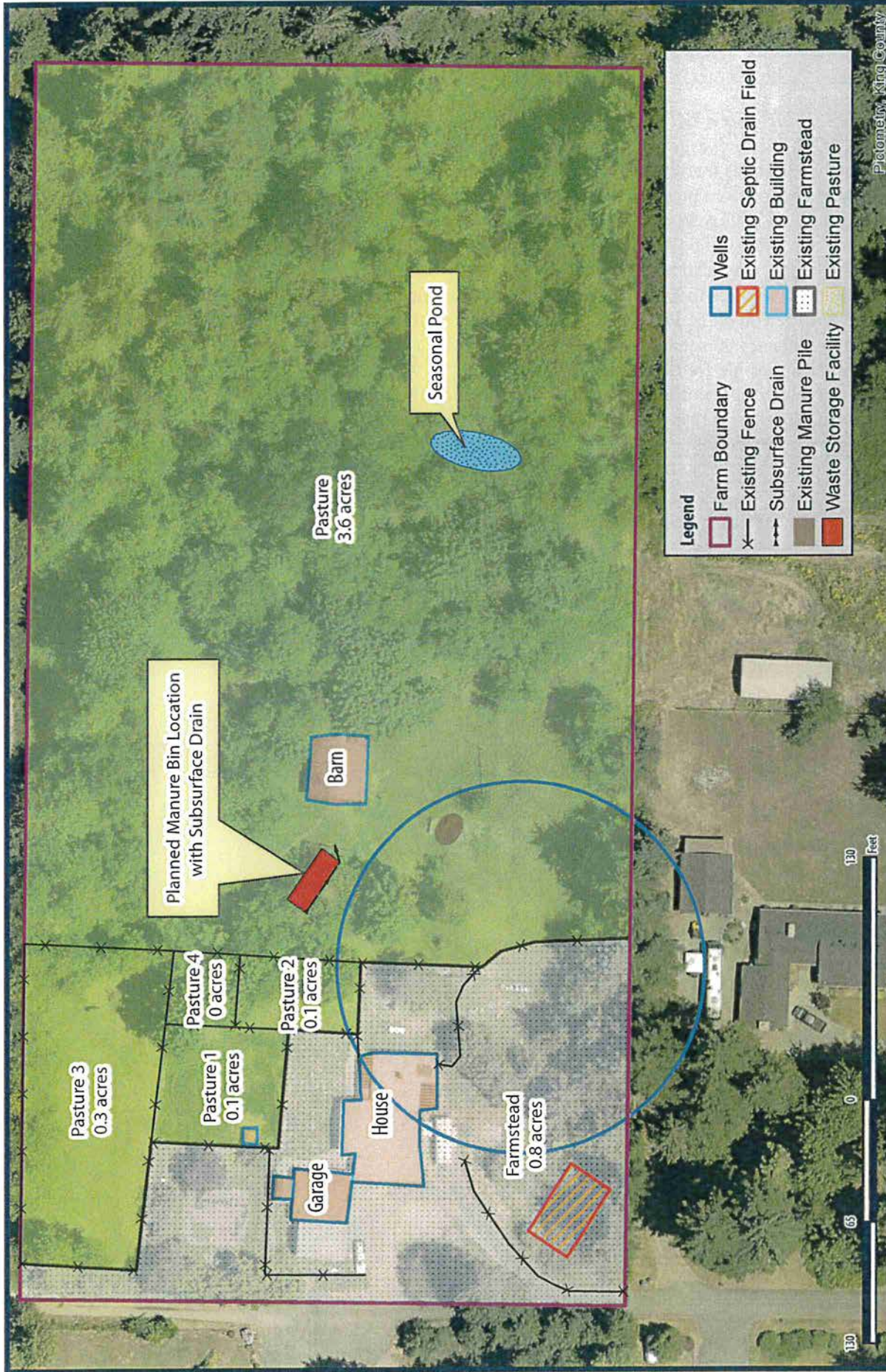
Grading: King County code requires that in general, any grading within a sensitive area, or any excavation greater than five feet in depth or over 100 cubic yards, or any fill greater than three feet in depth or greater than 100 cubic yards, or creation of more than 2,000 square feet of new impervious surface, requires a permit.

****The owner/operator is responsible for obtaining all permits, right of ways, and/or easements that are needed to implement this plan. The owner/operator is responsible for contacting utilities and assuring the work does not harm their facilities. The owner/operator is responsible for compliance with all federal, state, and local laws, ordinances, codes, and regulations.**

Operation and Maintenance

Maintain the function of the subsurface drain with annual inspections and repairs.

Additional Specifications and Notes:



Photometry, King County

Landowner Name: Meri Rinehart Address: 22020 286th Ave SE, Maple Valley, WA 98038	Map Type: LIP Waste Storage Facility Location	KCD Staff Name: Megan Weldon	Acres: 5.03
	Map Date: January 06, 2020	Parcel #(s): 2126079109	Directional: SE
King Conservation District <small>©Copyright 2020 • King Conservation District • 800 SW 39th St, Suite 150 • Renton, WA 98057 • 425-282-1900 • www.kingcd.org</small> <small>DISCLAIMER: While every precaution was taken in preparing this map, the publisher disclaims any warranty of fitness or accuracy of the data. The map is approximate in nature, based on compilation of data from multiple sources, and should not be relied upon or referenced in legal documents, including property deeds, wills, reports, and contract documents, nor substituted for appropriate survey and/or engineering analysis. The user of this map acknowledges its limitations, assumes all responsibility for its use, and agrees to hold the publisher harmless for any damages that may result from the use of this map. This map is subject to change without notice.</small> <small>Document Path: K:\GIS Data\KCD GIS Data\KCD\GIS\Projects\Farm Plan Maps\2020-2021-4712-KCD-Farm-Rinehart-4714-LIP-WST.mxd</small>			Section: 21 Township: 26 Range: 07



King Conservation District

1:882

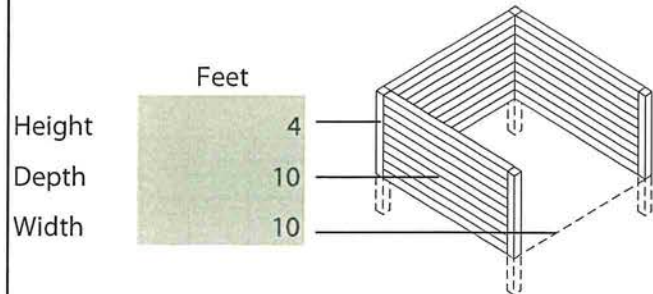
Waste Storage Bin Sizing Worksheet

For: Meri Rinehart

Production

	Total Animal Units 14.58	Days Confined 183
	Manure with Bedding (Cubic Yards)	Manure Only (Cubic Yards)
12 month Storage Requirement		
Storage volume required=	136.0	106
6 month Storage Requirement (NRCS)		
Storage volume required =	135.7	105.7

Single Bin Dimensions

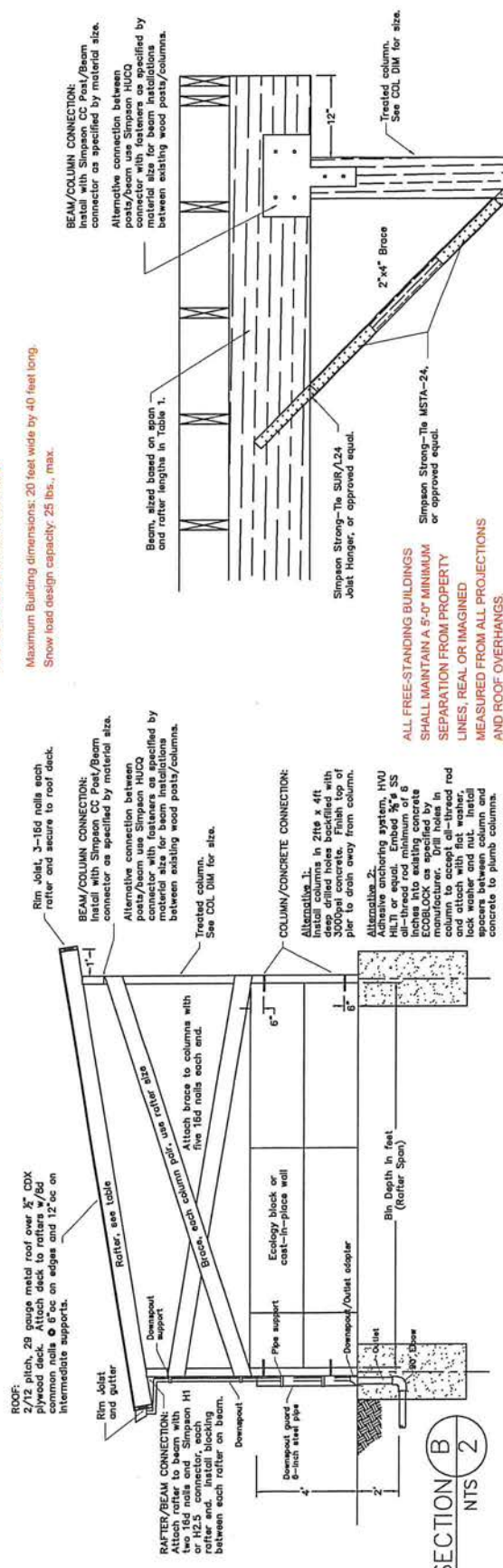


Single Bin Capacity = 14.8 Cubic yards
3-Bin System Capacity = 44.4 Cubic yards

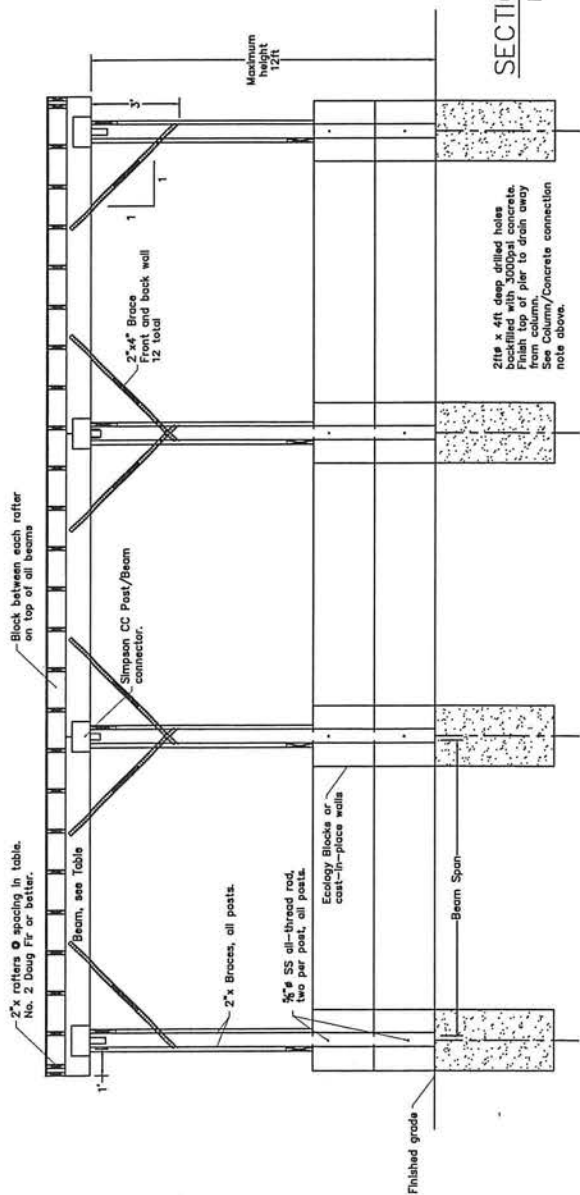
Recommended= 10 Bins for full year's storage
Recommended= 7 Bins for 8 month's storage

Days Confined =
 number of days manure is picked from stalls and/or Heavy Use Areas (HUAs) and stored in waste storage structure.

Maximum Building dimensions: 20 feet wide by 40 feet long.
Snow load design capacity: 25 lbs., max.



SECTION B
NTS
2



SECTION $\frac{A}{2}$
NTS

BRACE DETAIL



ROOF OVERHANGS:
Roof overhangs, including gutters, shall not extend beyond 18 inches into required property setbacks.

MATERIAL PROPERTIES

- Timber columns shall be pressure treated Doug-Fir-Larch #2 or better. All wood within 6'-feet of ground surface shall be pressure treated. All other wood shall be Douglas-Fir-Larch #2 or better.
 - All wood members have been designed using the following allowable stresses:
- | Property | Rafter/Beam | Column |
|---|---------------------------------|----------------|
| Bending Stress, F_b/F'_b
($C_d=1.15$, $C_F=1.00$, $C_r=1.15$) | 900psi/1190psi | |
| Shear Stress, F_v/F'_v
($C_d=1.15$) | 180psi/207psi | |
| Mod of Elasticity, E/E_{min}
Compression \perp Grain, F_c/F'_c | 1600ksi/580ksi
625psi/625psi | 1600ksi/580ksi |
| Compressive Stress, F_c/F'_c
($C_d=1.33$, $C_F=1.10$, $C_p=0.10$) | | 1350psi/409psi |
| Bending Stress (X-X axis), F_b/F'_b
($C_d=1.33$, $C_F=1.30$, $C_i=0.98$) | | 900psi/1170psi |
| Bending Stress (Y-Y axis), F_b/F'_b
($C_d=1.33$, $C_F=1.30$) | | 900psi/1170psi |
- Concrete shall have a minimum compressive strength of 3000psi.
 - All wood dimensions are nominal dimensions.
 - 316-Stainless Steel all-thread rod, washers and nuts shall be used for column to concrete connections.

Structural Member TABLE 1

COL DIM	BEAM SPAN (FT)	RAFTER SPAN (FT)	BEAM	RAFTER
4"x6"	10/12	10	2-2"x10"	2x6 @ 16" oc 2x8 @ 24" oc
4"x6"	10	12	2-2"x10"	2x6 @ 16" oc 2x8 @ 24" oc
4"x6"	12	12	2-2"x12"	2x6 @ 16" oc 2x8 @ 24" oc
4"x6"	10	14	2-2"x10"	2x8 @ 16" oc 2x10 @ 24" oc
4"x6"	12	14	3-2"x10"	2x8 @ 16" oc 2x10 @ 24" oc
4"x6"	10	16	2-2"x12"	2x8 @ 12" oc 2x10 @ 16" oc 2x12 @ 24" oc
4"x6"	12	16	3-2"x10"	2x8 @ 12" oc 2x10 @ 16" oc 2x12 @ 24" oc
4"x6"	10	18	2-2"x12"	2x12 @ 16" oc
4"x6"	12	18	3-2"x12"	2x12 @ 16" oc

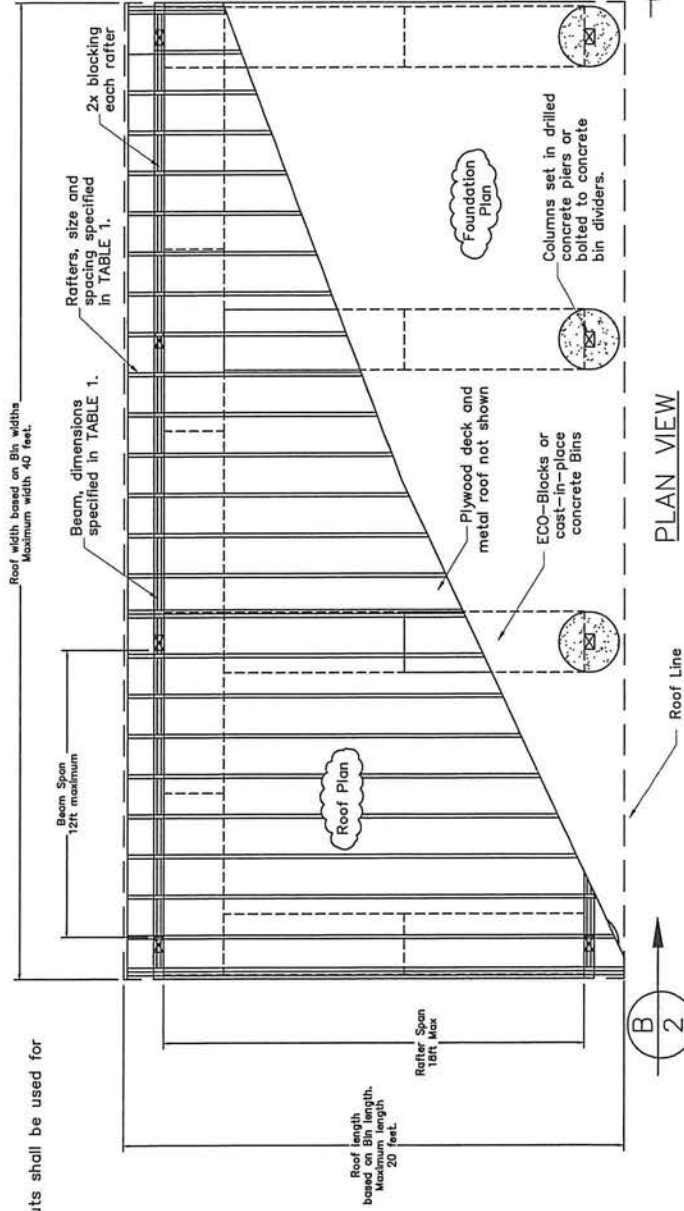
Fabricate built up beams as follows:
20d common nails, 32" oc face nail at top and bottom staggered on opposite sides. Two 20d common nails at each end and splice.

Cutting, Drilling, Notching Structural members shall not be cut, bored or notched in excess of the limitations specified in IRC Sections: R502.6.1, R602.6, R802.7

GENERAL NOTES:

- These plans are designed to provide a single roof structure, not to exceed 20 feet in width and 40 feet in length over existing precast and cast-in-place concrete compost bins and proposed compost bins constructed to the maximum spans identified in Structural Member TABLE 1. These plans shall not be used for compost bin structures that exceed the maximum openings and dimensions in Structural Member TABLE 1.
- This agriculture structure has been designed to comply with the International Building Code, 2015 in accordance with the conventional light-frame construction provisions for the following loading conditions:
 - Roof Live Load 25psf
 - Ground Snow Load 25psf
 - Ultimate Design Wind Speed 115 mph; Nominal Design Wind Speed 85mph, assuming no speed-up from hills or escarpments. Exposure C,
 - Seismic Design Category D; Site Class D
 - This design is not suitable for locations within Flood Hazard Areas.
 - Minimum load-bearing capacity of in-situ soils is 1500psf

If the design loads or requirements of the local jurisdiction exceed the above loads or conditions, this design shall not be used.



PLAN VIEW

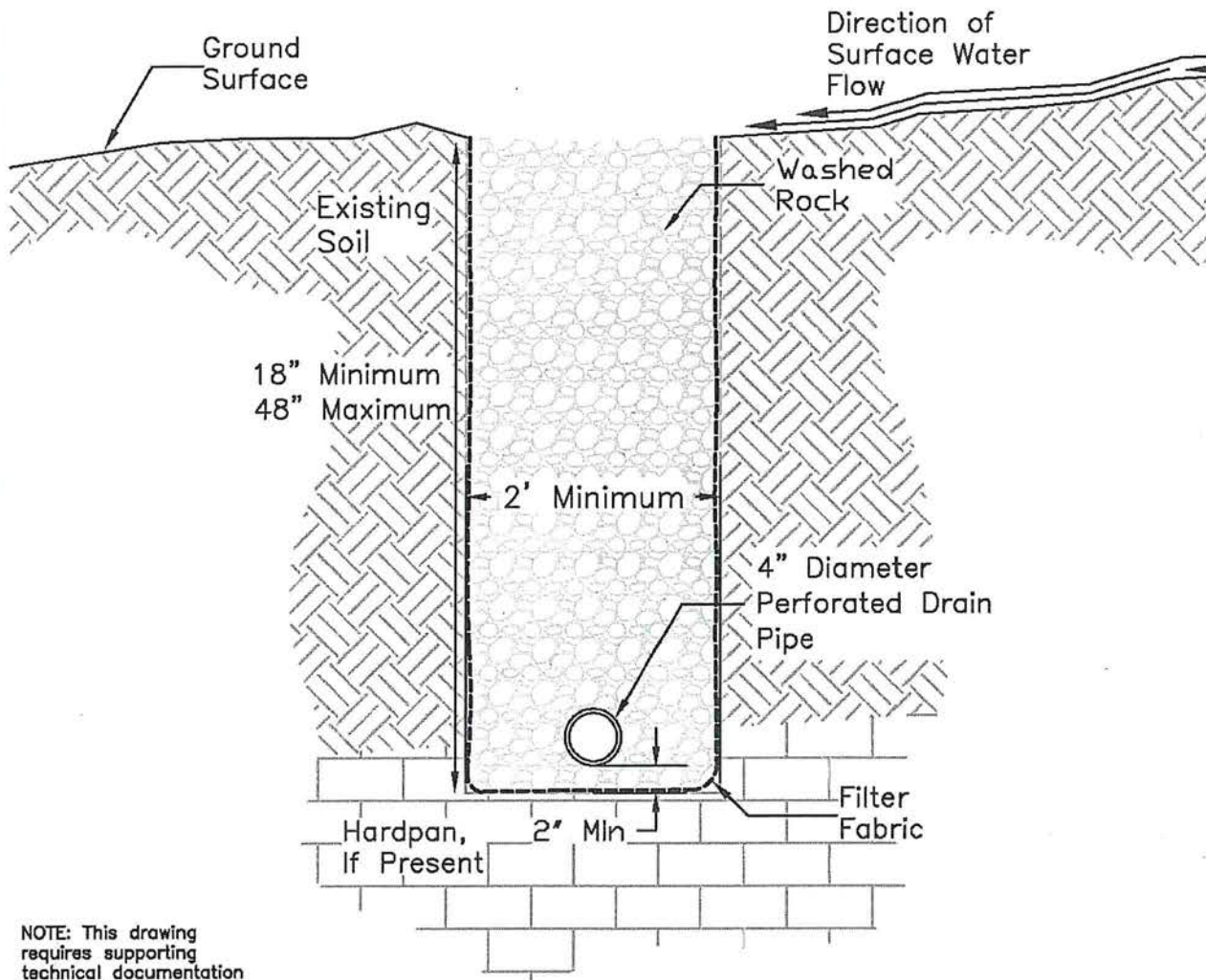
King CD Standard Compost Bin Roof
Plan View and Notes

USDA NATURAL RESOURCES
CONSERVATION SERVICE

SNOWBUSH CONSERVATION
DISTRICT

2015
Site Plan
Sheet 1 of 2

Sub-Surface Drain Curtain Drain

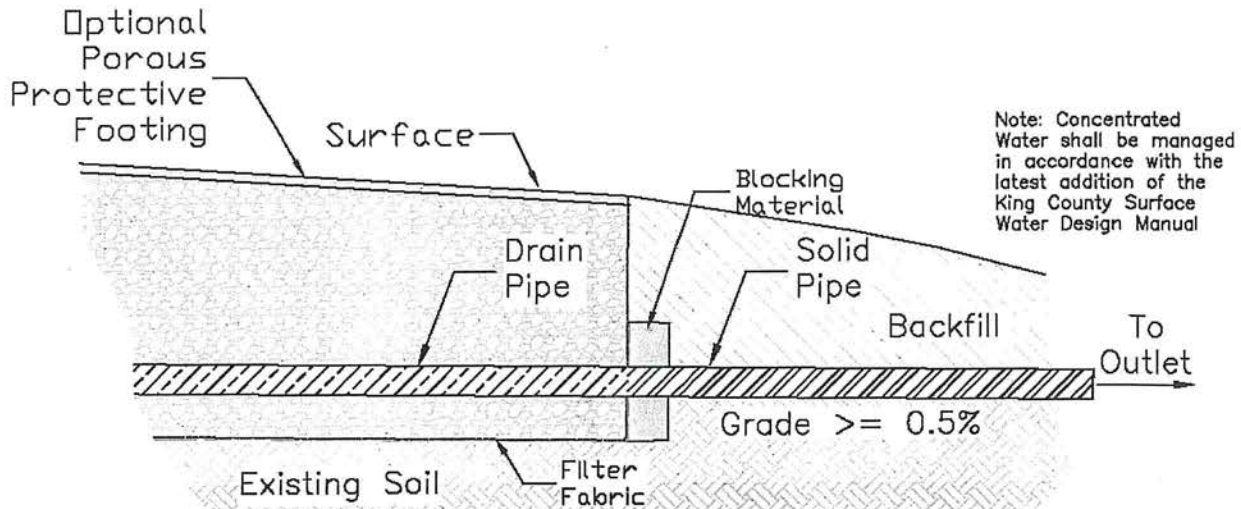


NOTE: This drawing requires supporting technical documentation and must be adapted to the specific site.

Not To Scale

1. Unless specified otherwise, perforated and non-perforated drain pipes, couplings and fittings shall be the following: Polyvinyl chloride (PVC) pipe, marked as meeting the requirements of ASTM-D-3033, or corrugated polyethylene tubing, meeting the requirements of ASTM-F-405.
2. Pipe shall be installed in accordance with manufacturer's recommendations. The pipe shall be laid with outside laps of joints pointing upstream.
3. Perforated pipe shall be laid with the perforations down and oriented symmetrically about a vertical center line. Perforations shall be clear of any obstructions at the time the pipe is laid.
4. During backfill, the pipe shall be sufficiently loaded around the sides to prevent its separation from the bedding. The pipe shall be laid so the pipeline barrel is uniformly supported.
5. All Pipe shall be Free draining. Pipe shall be sloped towards the outlet without dips or rises that will retain water.
6. Pipes must be laid true to line and grade with no curves, bends, or deflections in any direction.
7. Excavated trenches shall comply with state and local laws and regulations for trenching. Trenches shall be supported as necessary to safeguard the work and workers. Trench supports shall prevent sliding or settling of the adjacent ground and avoid damage to improvements.
8. The final backfill shall be the material from the trench excavation and shall be compacted to the density of the surrounding material.
9. Rock Fragments greater than 3 inches shall not be placed within 2 feet of the pipe.

Sub-Surface Drain



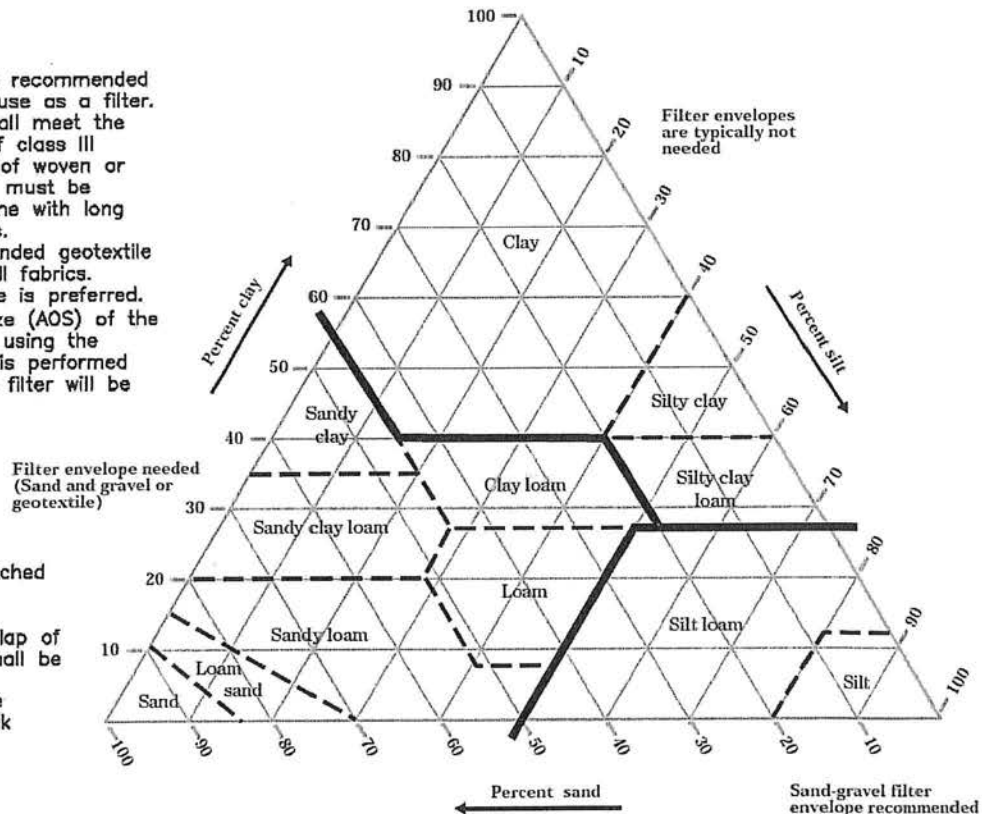
Not To Scale

NOTE: This drawing requires supporting technical documentation and must be adapted to the specific site.

Filter envelope recommendation relative to soil texture (source USDA)

11. Geotextile fabric shall be recommended by the manufacturer for use as a filter.
12. Geotextile filter fabric shall meet the minimum requirements of class III fabrics. Fabrics may be of woven or non-woven material and must be comprised of polypropylene with long chain polymeric filaments.
13. Heat bonded or resin bonded geotextile may be used for class III fabrics. Needle punched geotextile is preferred.
14. The apparent opening size (AOS) of the fabric shall be designed using the results of a sieve analysis performed on the soil in which the filter will be placed.

15. Fabric joints shall be stitched together, or may be overlapped to prevent separation. Minimum overlap of adjoining fabric pieces shall be 12 inches.
16. Clean drain rock shall be comprised of washed rock sized between 3/4" and 1 1/2" diameter.



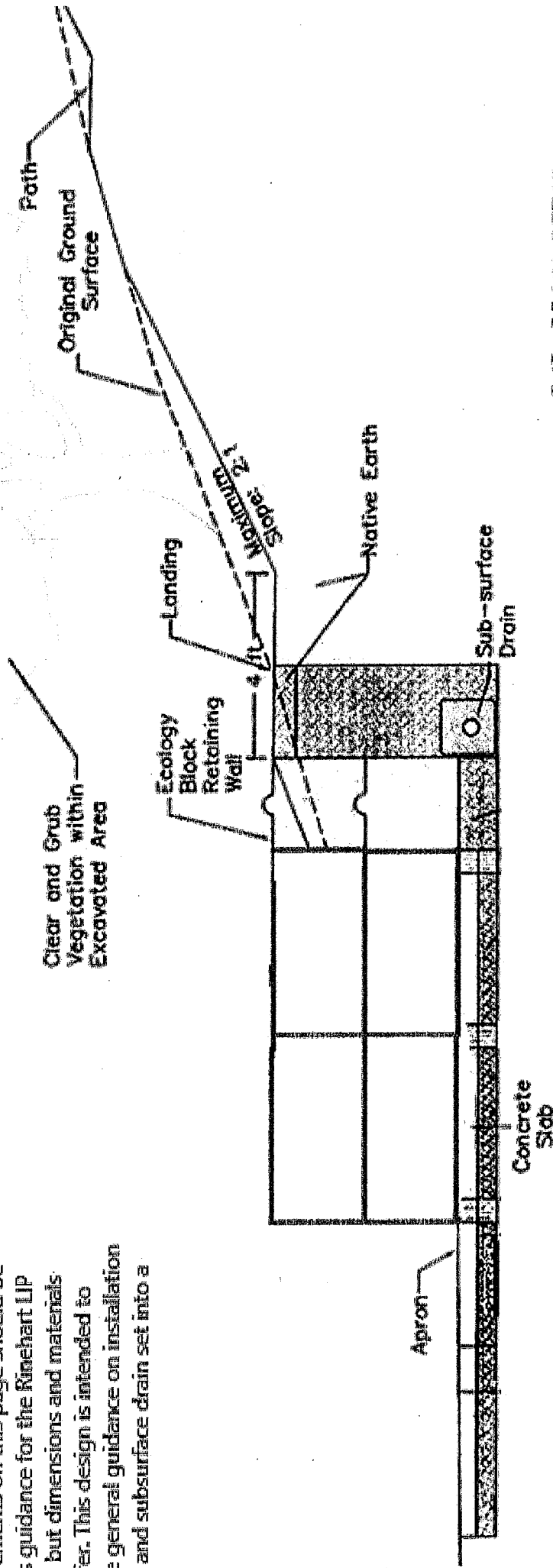
KED
ENGINEERING
King Conservation District
Natural Resources Conservation Service
United States Department of Agriculture

SUB-SURFACE DRAIN
CURTAIN DRAIN
Profile

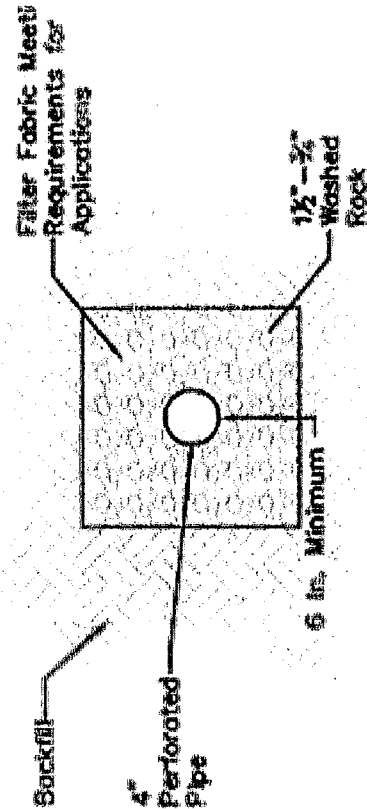
Designed	Date	File Name
Drawn: FLB	12/2011	Drawing Name
Checked		1112-03
Approved		Sheet 2 of 2

ner: This design was originally
 sted for another landowner using
 ineering specifications. The
 ements on this page should be
 ; guidance for the Rinehart LLP
 but dimensions and materials
 ier. This design is intended to
 : general guidance on installation
 and subsurface drain set into a

SECTION VIEW



SUB-DRAIN DETAIL



The slab shall be constructed as shown on additional detail sheet.
 In owner's discretion, a gravel pad may be installed in place of a
 the pad. A steel grade bar shall be installed to limit accidental
 of rock.
 Backfill material and prepared earth surfaces, except washed drain rock,
 be compacted in lifts not to exceed 12", by three coverages with a
 ry compactor.
 Surface drains shall not tie into existing yard drain lines.
 Constructed path and landing shall be sloped such that surface water
 drains off the side. Minimum slope shall be 1%.
 shall not drain towards the retaining wall.
 Retaining wall shall be configured as shown. The wall must be placed
 compacted gravel base. Alternately, the concrete pad may be
 led to act as the base.
 Filter fabric shall be overlapped at least 1 foot to prevent separation.





**King Conservation District Board of Supervisors Meeting 02/10/2020
Agenda Action Briefing/Report AI 20-2005**

SUBJECT:

Approve KCD Landowner Incentive Program cost-share application from Meri Rinehart, for a Waste Storage Facility, in the amount of \$10,950.00.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2020 is summarized in the following table:

2020 LIP Cost-share Available	\$376,305.09
Current Request	\$10,950.00
Approved Cost-share for Subsurface Drain if this WSF cost-share request approved	\$510.00
Balance Remaining	\$364,845.09

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. The budget revision request has been advanced for due pass by the Board of Supervisors.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management and aquatic area enhancement programs
- King CD Board members and staff

BACKGROUND

Application Information & Details

Meri operates a small animal rescue on this property. The manure is currently stored in a pile south of the barn. Meri would like to establish a waste management system west of the barn next to a new access road and cut into the natural slope of that area. The closest sensitive area is a small seasonal pond 300 feet southeast of the planned bin locations in the wooded section of the pasture. A total of three 10ft (w) X 10ft (l) X 4ft (h) bins will be installed with ecoblocks. A concrete base with a 4" minimum thickness, including an apron (2-4 ft) in width will be installed as a base for the bins. Bins will hold up to four months of manure and will need to be emptied several times throughout the year. Meri plans on installing a roof over the bins and at minimum will use a tarp to cover the manure. A subsurface drain, whose cost-share contract has been pre-approved by the LIP Review Committee pending board approval of this waste storage facility cost-share request. The drain will be installed behind the bins to divert groundwater around the bins and prevent seepage.

EFFECTIVE DATE

The application 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 Application from Meri Rinehart, for Buffer Fencing, in the amount of \$10,950.00.

MOTION

_____ Moved, _____ Seconded; Passed a motion to Approve KCD Landowner Incentive Program Application from Meri Rinehart, for Waste Storage Facility, in the amount of \$10,950.00.

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: Meri Rinehart		Farm/Business Name: Willow River Equine Rescue	
Mailing Address: 22020 286th Ave SE Maple Valley, WA 98038		Project Address: Same	
Phone (home): 206-313-5874		Phone (work/mobile): Same	
Email Address: rinehart_m@hotmail.com		KCD Staff: Megan Weldon	
Parcel #(s): 0722079056	<input type="checkbox"/> Incorporated <input checked="" type="checkbox"/> Unincorporated	Total Farm/Land Acreage: 5.03 acres	<input type="checkbox"/> T.A. <input checked="" type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input checked="" 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): Waste Storage Facility and Subsurface Drain
Project Completion Date (month and year): 02/2021
<p>Current Site Conditions (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):</p> <p>Meri is operating a small animal rescue on this property is working towards establishing a manure management system, heavy use areas and pastures in the large eastern pasture. The manure is currently stored in a pile south of the barn. Meri would like to establish a waste management system by building bins west of the barn next to a new access road. These bins would be cut into the natural slope in that area. The closest sensitive area is a small seasonal pond that occurs in the wooded section of this pasture. This pond is approximately 300ft. southeast of the planned bin locations.</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):</p> <p>A total of three 10ft.(w) x 10ft.(l) x 4ft.(h) bins will be installed with ecoblocks. A concrete base (with a 4" minimum thickness), including an apron (2-4ft.) in width will be installed as a base for the bins. Bins will hold up to 4 months of manure and will need to be emptied several times throughout the year. These bins will be installed into a naturally sloped area (cut into the slope). A subsurface drain will be installed behind the bins to divert groundwater around the bins (preventing seepage). Meri plans to install a roof over these bins. At minimum, a tarp is required over each bin, to prevent nutrient leaching and to control the moisture content for effective composting.</p>
<p>Maintenance Plan (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):</p> <p>Ensure bins are well covered. Empty manure bins on a quarterly basis. Monitor bins during the wet winter months and after large rain events to ensure that nutrients (liquid manure) are not seeping from the bins, creating runoff. Monitor outlet of subsurface drain to ensure that erosion or channelization is not occurring at mouth of outlet pipe. Repair bins and subsurface drain as needed. Repair tarps on ongoing basis (if applicable).</p>

Permits <i>(List all permits required to complete this project):</i> A permit is only needed if a roof is installed.
Photos: 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 15.8 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. W (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. W (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. W (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. W (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.

W (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.

W (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.

W (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. W (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. W (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. W (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: W (Initial Here)

- 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.).*
- I relinquish or lose ownership of equipment purchased with KCD cost-share.
- 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).
- I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- 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: W (Initial Here)

- I will select a visible location on my property for display of the sign and will install it.
- I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Meri Rinehart

Signature of applicant

Date

Signature of Landowner (if applicant is Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:



SPECIFICATION

Waste Storage Facility

**Please attach the waste calculation worksheet to this application*

Landowner: Meri Rinehart	Lifetime of Practice: 15 years
--------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> To temporarily store manure in a dry stack	<input type="checkbox"/> To improve soil fertility, tilth and water holding capacity
<input checked="" type="checkbox"/> To reduce the pollution potential of organic agricultural wastes to surface and ground water	<input type="checkbox"/> To reduce odor, fly and other vector problems
<input checked="" type="checkbox"/> To reduce bulk of organic material to be spread	<input type="checkbox"/> To destroy weed seed and pathogens

Proximity of facility to sensitive areas, wells, and property boundary (distance in feet)
Proximity to sensitive areas: These bins will be located approximately 300 feet from a seasonal pond, located in the forested eastern section of property.
Will the manure bins be located in the floodplain?: No

Number of AUEs the facility is planned for: Include volume of waste.
AUEs: 14.6 AUEs (1 goat, 8 horses, and 5 cows)
Waste volume: 136 cubic yards before reduction
How many months of storage is this planned for?: 4 months

Specifics of facility (number of bins, type of construction material) *Please attach a drawing of an approved design.
Number of bins, bin dimensions: Install three 10ft.(w) x 10ft.(l) x 4ft.(h) bins with a 2-4ft. long concrete apron in front of bins.
Construction materials: Ecoblocks and concrete.
Compost bin design: KCD standard design
How will manure be covered?: Bins will be covered at minimum with tarps, but a roof is recommended.

Permits

Are there permits necessary for the project? If so, please list below and include a copy of the permit.

If a roof is installed a permit is required, because roof would be beyond 200sq. ft., see the code references below.

Common circumstances that trigger a KC permit include, but are not limited to:

Contact the Permitting Office with questions.

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 (PDF*, 344KB) 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.

Grading: King County code requires that in general, any grading within a sensitive area, or any excavation greater than five feet in depth or over 100 cubic yards, or any fill greater than three feet in depth or greater than 100 cubic yards, or creation of more than 2,000 square feet of new impervious surface, requires a permit.

Roof: If the compost facility is under 200 sq. ft. it does not need a permit to cover with a roof. Above 200 sq. ft. would require a King County permit to roof the structure. The roof overhang of a 200 sq. ft structure may not exceed 24 inches, measured horizontally from exterior wall.

****Landowners must follow all local, state, and federal laws.**

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 action immediately 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 KC Code, manure storage should be covered, 35' from property boundary, 100' from wells, and 100 ft from areas of open water.

If the facility is in a floodplain, compensatory storage must be provided at the same elevation, equivalent to the volume of the facility that is in the 100-year flood plain.

Landowner: Meri Rinehart	Lifetime of Practice: 20 Years
--------------------------	--------------------------------

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Improve the soil environment for vegetative growth, reduce erosion, and improve water quality.	<input type="checkbox"/> Regulate water to control health hazards caused by pests Improve Collect ground water for beneficial uses.
<input type="checkbox"/> Improve/collect ground water for beneficial uses.	<input checked="" type="checkbox"/> Remove water from around heavy use areas, such as around buildings, roads, and play areas; and accomplish other physical improvements related to water removal.

Length of subsurface drain
The length will be 36 feet with 10-15 foot outlet pipe. The total will be up to 51 linear feet. Outlet should drain eastward downslope of bins. Drain should ensure that groundwater does not mix with manure or seep into bins.

Details of subsurface drain (type & size of pipe, type & size of rock, and depth below surface)
The drain will be located directly behind a manure bin cut into the natural slope, to intercept ground water. Follow the attached specifications for the curtain drain design. See pages 3 and 4. Install trench with a 2' minimum width at a depth between 18-48", using a perforated PVC drain pipe.

Permits

Are there clearing or grading permits necessary for the project? If so, please list below and include a copy of the permit.

No

Common circumstances that trigger a KC permit include, but are not limited to:

Contact the Permitting Office with questions.

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 (PDF*, 344KB) 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.

Grading: King County code requires that in general, any grading within a sensitive area, or any excavation greater than five feet in depth or over 100 cubic yards, or any fill greater than three feet in depth or greater than 100 cubic yards, or creation of more than 2,000 square feet of new impervious surface, requires a permit.

****The owner/operator is responsible for obtaining all permits, right of ways, and/or easements that are needed to implement this plan. The owner/operator is responsible for contacting utilities and assuring the work does not harm their facilities. The owner/operator is responsible for compliance with all federal, state, and local laws, ordinances, codes, and regulations.**

Operation and Maintenance

Maintain the function of the subsurface drain with annual inspections and repairs.

Additional Specifications and Notes:

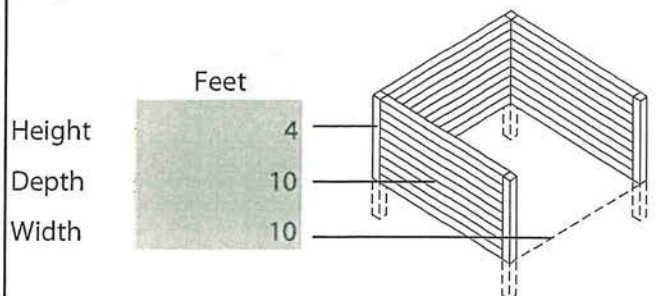
Waste Storage Bin Sizing Worksheet

For: Meri Rinehart

Production

	Total Animal Units 14.58	Days Confined 183	
	Manure with Bedding (Cubic Yards)	Manure Only (Cubic Yards)	
12 month Storage Requirement			
Storage volume required=	136.0	106	
6 month Storage Requirement (NRCS)			
Storage volume required =	135.7	105.7	

Single Bin Dimensions



Single Bin Capacity = 14.8 Cubic yards
3-Bin System Capacity = 44.4 Cubic yards

Recommended= 10 Bins for full year's storage
Recommended= 7 Bins for 8 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.

MATERIAL PROPERTIES

1. Timber columns shall be pressure treated Doug-Fir-Larch #2 or better. All wood within 6-feet of ground surface shall be pressure treated. All other wood shall be Douglas-Fir-Larch #2 or better.

2. All wood members have been designed using the following allowable stresses:

Property	Rafter/Beam	Column
Bending Stress, F_b/F_b' ($C_d=1.15$, $C_F=1.00$, $C_r=1.15$)	900psi/1190psi	
Shear Stress, F_v/F_v' ($C_d=1.15$)	180psi/207psi	
Mod of Elasticity, E/E_{min}	1600ksi/580ksi	1600ksi/580ksi
Compression \perp Grain, F_c/F_c'	625psi/625psi	
Compressive Stress, F_c/F_c' ($C_d=1.33$, $C_r=1.10$, $C_p=0.10$)		1350psi/409psi
Bending Stress ($X-X$ axis), F_b/F_b' ($C_d=1.33$, $C_F=1.30$, $C_r=0.98$)		900psi/1170psi
Bending Stress ($Y-Y$ axis), F_b/F_b' ($C_d=1.33$, $C_F=1.30$)		900psi/1170psi

3. Concrete shall have a minimum compressive strength of 3000psi.

4. All wood dimensions are nominal dimensions.

5. 316-Stainless Steel all-thread rod, washers and nuts shall be used for column to concrete connections.

Structural Member TABLE 1

COL DIM	BEAM SPAN (FT)	RAFTER SPAN (FT)	BEAM	RAFTER
4"x6"	10/12	10	2-2"x10"	2x6 @ 16"oc 2x8 @ 24"oc
4"x6"	10	12	2-2"x10"	2x6 @ 16"oc 2x8 @ 24"oc
4"x6"	12	12	2-2"x12"	2x6 @ 16"oc 2x8 @ 24"oc
4"x6"	10	14	2-2"x10"	2x8 @ 16"oc 2x10 @ 24"oc
4"x6"	12	14	3-2"x10"	2x8 @ 16"oc 2x10 @ 24"oc
4"x6"	10	16	2-2"x12"	2x8 @ 12"oc 2x10 @ 16"oc 2x12 @ 24"oc
4"x6"	12	18	3-2"x10"	2x8 @ 12"oc 2x10 @ 16"oc 2x12 @ 24"oc
4"x6"	10	18	2-2"x12"	2x12 @ 16"oc
4"x6"	12	18	3-2"x12"	2x12 @ 16"oc

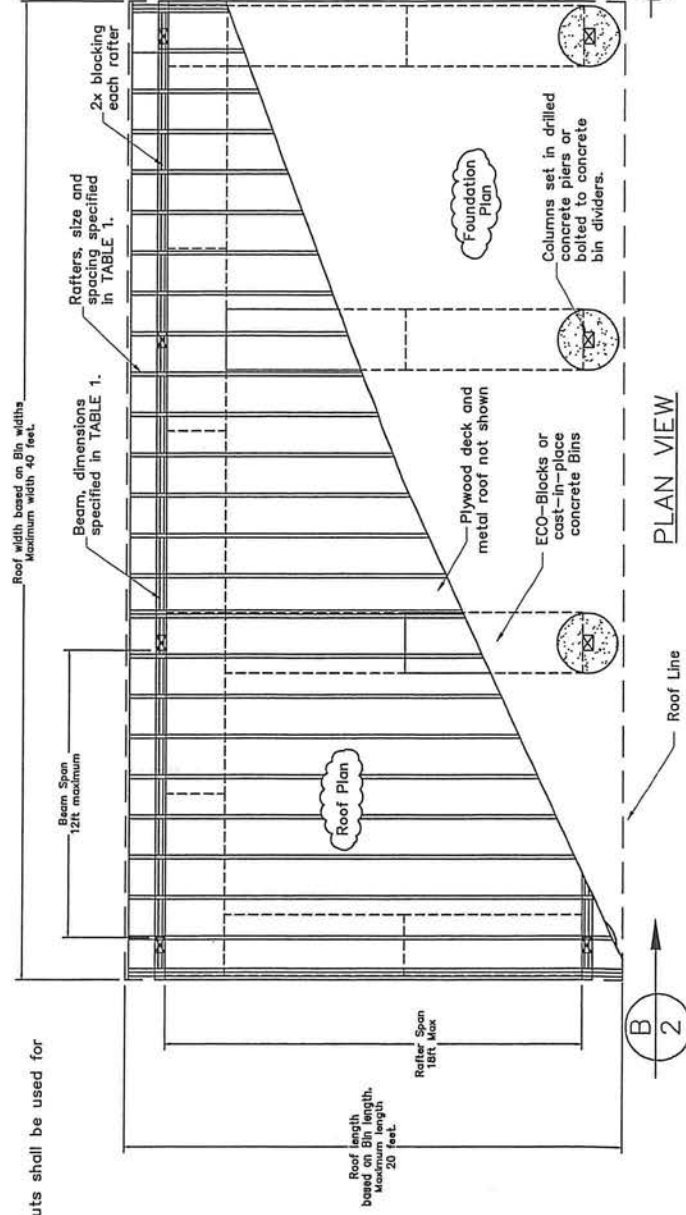
Fabricate built up beams as follows:
20d common nails, 32" oc face nail at top and bottom staggered on opposite sides. Two 20d common nails at each end and splice.

Cutting, Drilling, Notching Structural members shall not be cut, bored or notched in excess of the limitations specified in IRC Sections: R502.8.1, R602.6, R602.7

GENERAL NOTES:

- These plans are designed to provide a single roof structure, not to exceed 20 feet in width and 40 feet in length over existing precast and cast-in-place concrete compost bins and proposed compost bins constructed to the maximum spans identified in Structural Member TABLE 1. These plans shall not be used for compost bin structures that exceed the maximum openings and dimensions in Structural Member TABLE 1.
- This agriculture structure has been designed to comply with the International Building Code, 2015 in accordance with the conventional light-frame construction provisions for the following loading conditions:
 - Roof Live Load 25psf
 - Ground Snow Load 25psf
 - Ultimate Design Wind Speed 115 mph; Nominal Design Wind Speed 85mph, assuming no speed-up from hills or escarpments. Exposure C.
 - Seismic Design Category D1; Site Class D
 - This design is not suitable for locations within Flood Hazard Areas.
 - Minimum load-bearing capacity of in-situ soils is 1500psf

If the design loads or requirements of the local jurisdiction exceed the above loads or conditions, this design shall not be used.



PLAN VIEW

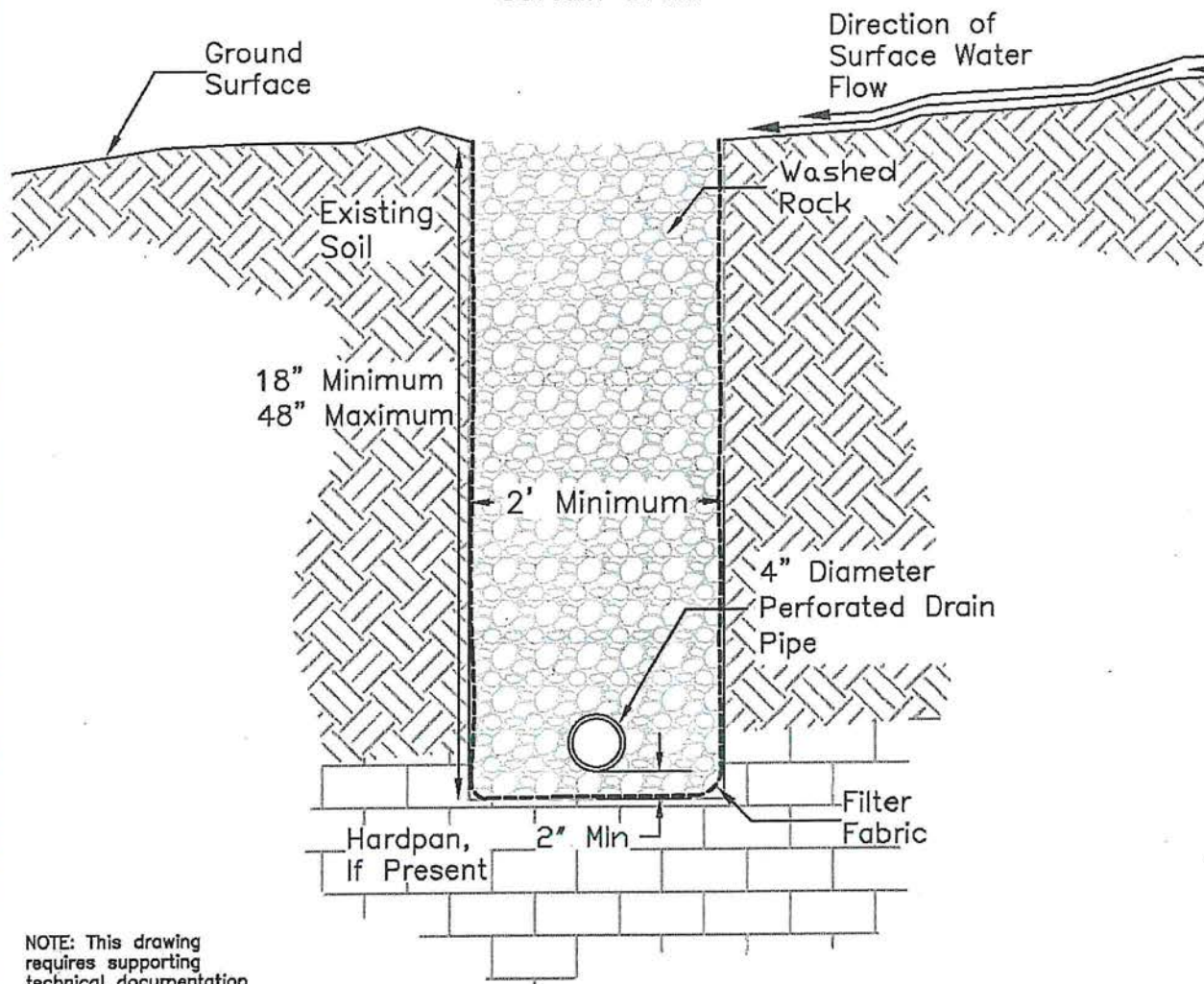
King CD Standard Compost Bin Roof
Plan View and Notes

SKOKHOMISH CONSERVATION DISTRICT
KING COUNTY, WASHINGTON
USDA NATURAL RESOURCES CONSERVATION SERVICE

Revised: 2015
Site Plan/Arch
Sheet: 1 of 2

DESIGNED BY	SKC	DATE	11/20/20
THROUGHT BY	SKC	DATE	
APPROVED BY	SKC	DATE	11/20/20

Sub-Surface Drain Curtain Drain

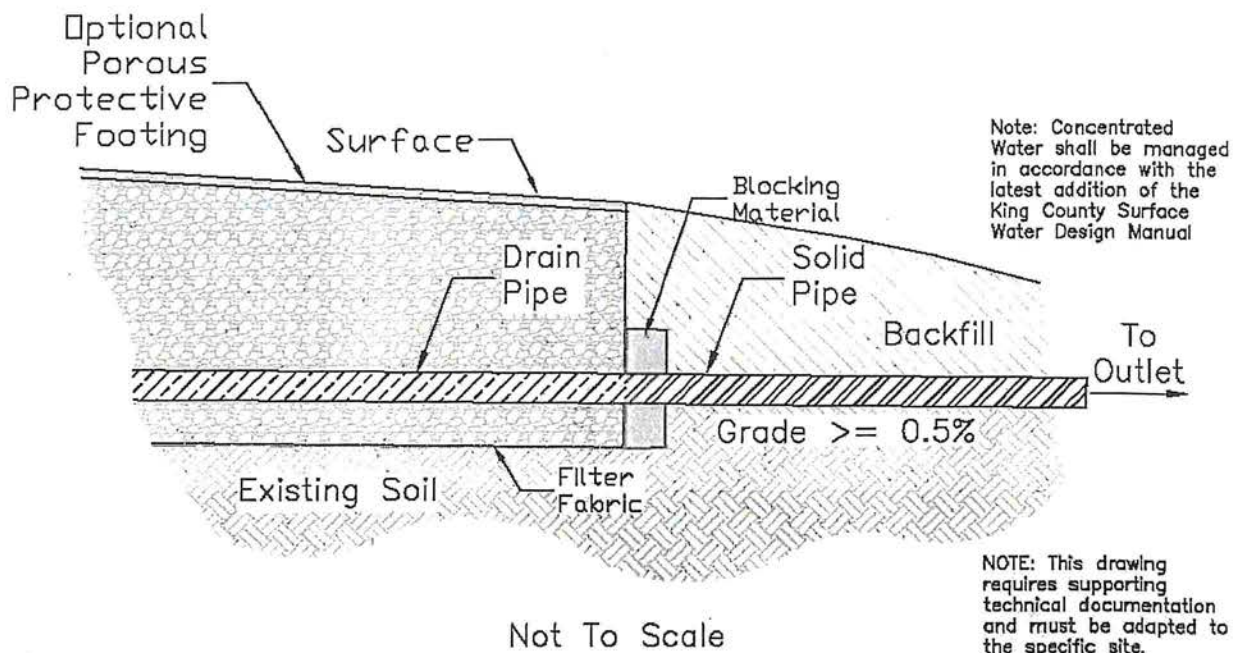


NOTE: This drawing requires supporting technical documentation and must be adapted to the specific site.

Not To Scale

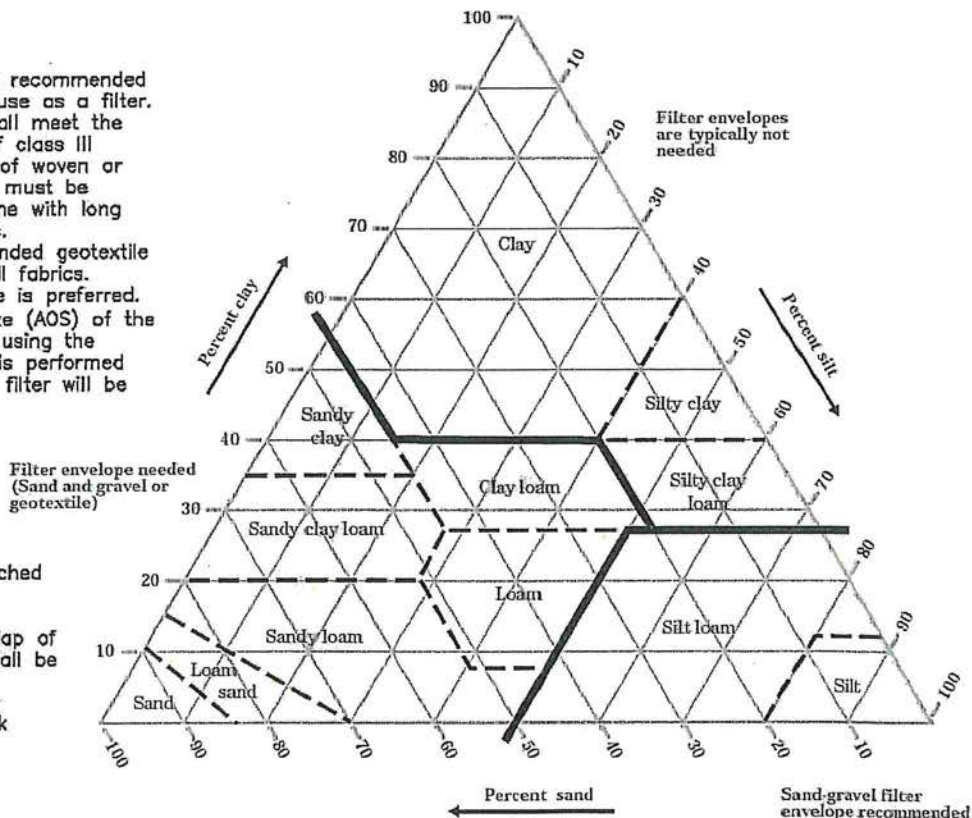
1. Unless specified otherwise, perforated and non-perforated drain pipes, couplings and fittings shall be the following: Polyvinyl chloride (PVC) pipe, marked as meeting the requirements of ASTM-D-3033, or corrugated polyethylene tubing, meeting the requirements of ASTM-F-405.
2. Pipe shall be installed in accordance with manufacturer's recommendations. The pipe shall be laid with outside laps of joints pointing upstream.
3. Perforated pipe shall be laid with the perforations down and oriented symmetrically about a vertical center line. Perforations shall be clear of any obstructions at the time the pipe is laid.
4. During backfill, the pipe shall be sufficiently loaded around the sides to prevent its separation from the bedding. The pipe shall be laid so the pipeline barrel is uniformly supported.
5. All Pipe shall be Free draining. Pipe shall be sloped towards the outlet without dips or rises that will retain water.
6. Pipes must be laid true to line and grade with no curves, bends, or deflections in any direction.
7. Excavated trenches shall comply with state and local laws and regulations for trenching. Trenches shall be supported as necessary to safeguard the work and workers. Trench supports shall prevent sliding or settling of the adjacent ground and avoid damage to improvements.
8. The final backfill shall be the material from the trench excavation and shall be compacted to the density of the surrounding material.
9. Rock Fragments greater than 3 inches shall not be placed within 2 feet of the pipe.

Sub-Surface Drain



Filter envelope recommendation relative to soil texture (source USDA)

11. Geotextile fabric shall be recommended by the manufacturer for use as a filter.
12. Geotextile filter fabric shall meet the minimum requirements of class III fabrics. Fabrics may be of woven or non-woven material and must be comprised of polypropylene with long chain polymeric filaments.
13. Heat bonded or resin bonded geotextile may be used for class III fabrics. Needle punched geotextile is preferred.
14. The apparent opening size (AOS) of the fabric shall be designed using the results of a sieve analysis performed on the soil in which the filter will be placed.
15. Fabric joints shall be stitched together, or may be overlapped to prevent separation. Minimum overlap of adjoining fabric pieces shall be 12 inches.
16. Clean drain rock shall be comprised of washed rock sized between 3/4" and 1 1/2" diameter.



King
Conservation
District

Natural Resources Conservation Service
United States Department of Agriculture

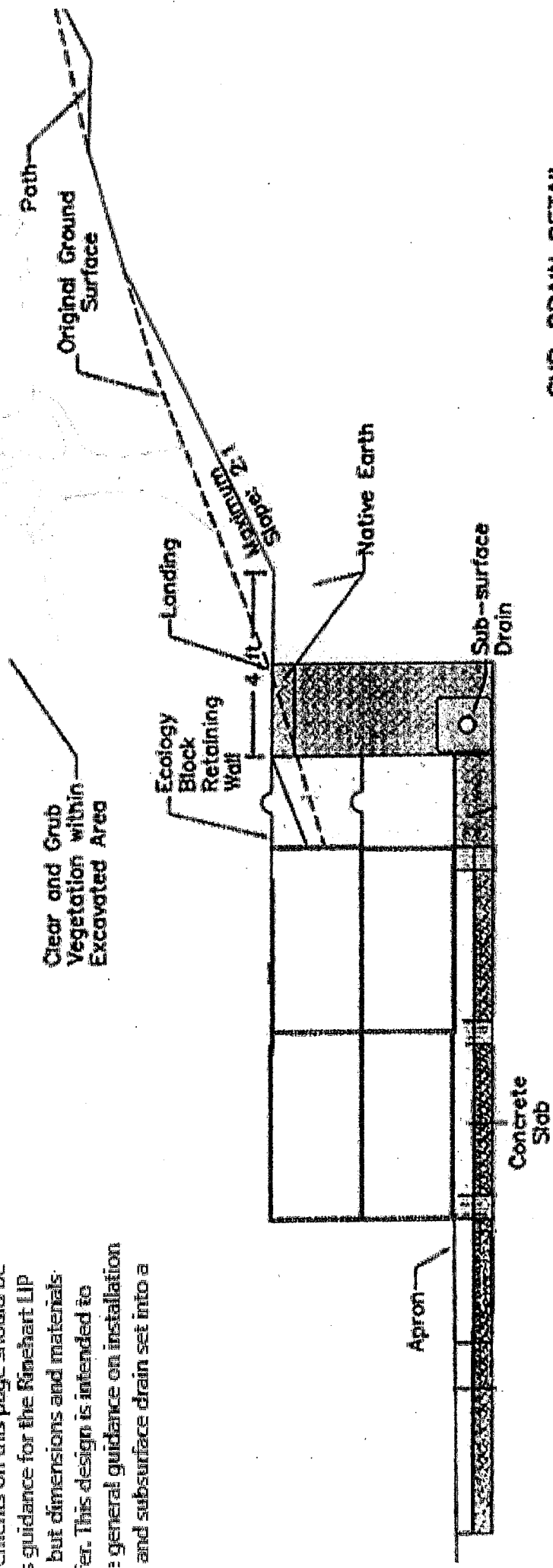
SUB-SURFACE DRAIN CURTAIN DRAIN Profile

Designed _____ Date _____
 Drawn: FLB 12/2011
 Checked _____
 Approved _____

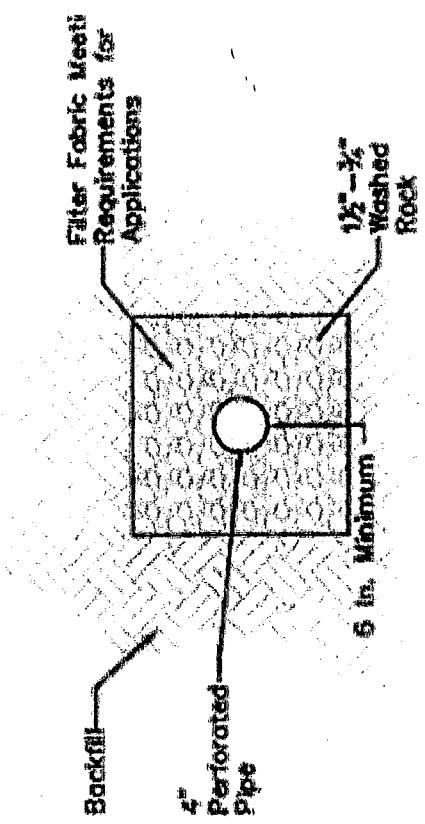
File Name _____
 Drawing Name
 1112-03
 Sheet 2 of 2

ner: This design was originally
 ted for another landowner using
 iginneering specifications. The
 ements on this page should be
 : guidance for the Rinehart LIP
 but dimensions and materials
 ier. This design is intended to
 : general guidance on installation
 and subsurface drain set into a

SECTION VIEW



SUB-DRAIN DETAIL



the slab shall be constructed as shown on additional detail sheet.
 Owners discretion, a gravel pad may be installed in place of a
 gravel pad. A steel grade bar shall be installed to limit occidenal
 of rock.
 fill material and prepared earth surfaces, except washed drain rock,
 be compacted in lifts not to exceed 12", by three coverages with a
 ry Compactor.
 surface drains shall not tie into existing yard drain lines.
 constructed path and landing shall be sloped such that surface water
 drains off the side. Minimum slope shall be 1%
 shall not drain towards the retaining wall.
 itaining wall shall be configured as shown. The wall must be placed
 composted gravel base. Alternately, the concrete pad may be
 led to act as the base.
 tile fabric shall be overlapped at least 1 foot to prevent seperation.





King Conservation District Board of Supervisors Meeting
Agenda Action Briefing/Report
Meeting Date: February 10th, 2020

SUBJECT: AI 20-006

- Motion to approve the Member Jurisdiction grant application from the Town of Beaux Arts for the Academy Path and Adjacent Woods Restoration project

FISCAL IMPACT

- The applicant is requesting \$610.00 from 2011-2014 KCD-Beaux Arts Member Jurisdiction Funds
- After this request the Town has approximately \$1,231

POLICY CONSIDERATION

This proposal addresses the following natural resource improvement actions

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

STAKEHOLDER INTERESTS

- Beaux Arts has been working with KCD's Urban Forest Health Management Program and Plant Sale departments and is a big fan of KCD

BACKGROUND

This proposal was reviewed at the last grant subcommittee meeting and was happy to hear that KCD went and met with Paula Dix to discuss opportunities

EFFECTIVE DATE:

- If approved, this Motion becomes effective on the date of approval.
- The grant project proposes to start on April 24th, 2020 and end on April 26th, 2020

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 \$610.00 from 2011-14 KCD-Beaux Arts Member Jurisdiction funds for the Academy Path and Adjacent Woods Restoration project

Academy Path & Adjacent Woods Restoration

Member Jurisdiction Grant Program

Beaux Arts

10550 SE 27th Street
Beaux Arts, WA 98004

Paula Dix

pdix@beauxarts-wa.gov

Application Form

Summary Information

Project Title*

Academy Path & Adjacent Woods Restoration

Project Description - Short

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

An area of woods adjacent to Academy Path has been cleared of ivy and other invasives and is now ready for native plants to be installed.

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.

\$610.00

Total Project Cost*

\$610.00

Total Matching Funds (optional)

Project Start Date*

04/24/2020

Project End Date*

04/26/2020

Close Date

Project Location*

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

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

This is an area of approximately 5,250 square feet which runs from the street end of SE 28th at 106th and east to 107th was well as south roughly 35 feet. (see attached map)

Jurisdiction

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

Beaux Arts Village

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.

Part of Village tradition is to hold work parties twice yearly during which time care is given to the Town's road-right-of-ways and green spaces. To-date, two work parties have been devoted to removing invasive plants: ivy, laurel and holly. The 2020 spring work party will be dedicated to installing native plants in order to prevent undesirables from re-establishing themselves. The target audience/beneficiaries will be humans who walk the adjacent path regularly, as well as provide places for wildlife to nest and/or forage. If all goes as planned, planting should be completed during the scheduled April work weekend.

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.

Planting: 10 seedling trees (probably too many, but that's the bundle size in the bare root sale), 20 shrubs, and roughly of 210 ground cover plants with the expectation of re-establishing this area as a natural Pacific Northwest woods, Again, this work will take place over our scheduled work party weekend in April.

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!*

BeauxArtsBudget.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.

2020 Planting Area Map.pdf

Natural Resource Improvement Actions- Criteria Checklist

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

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.

Authorized Applicant Electronic Signature*

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

Paula Dix

Beaux Arts

Paula Dix

Title

Council Member

Date*

01/08/2020

File Attachment Summary

Applicant File Uploads

- BeauxArtsBudget.xlsx
- 2020 Planting Area Map.pdf



Member Jurisdiction Grant Program

Grant Application Project Budget Form

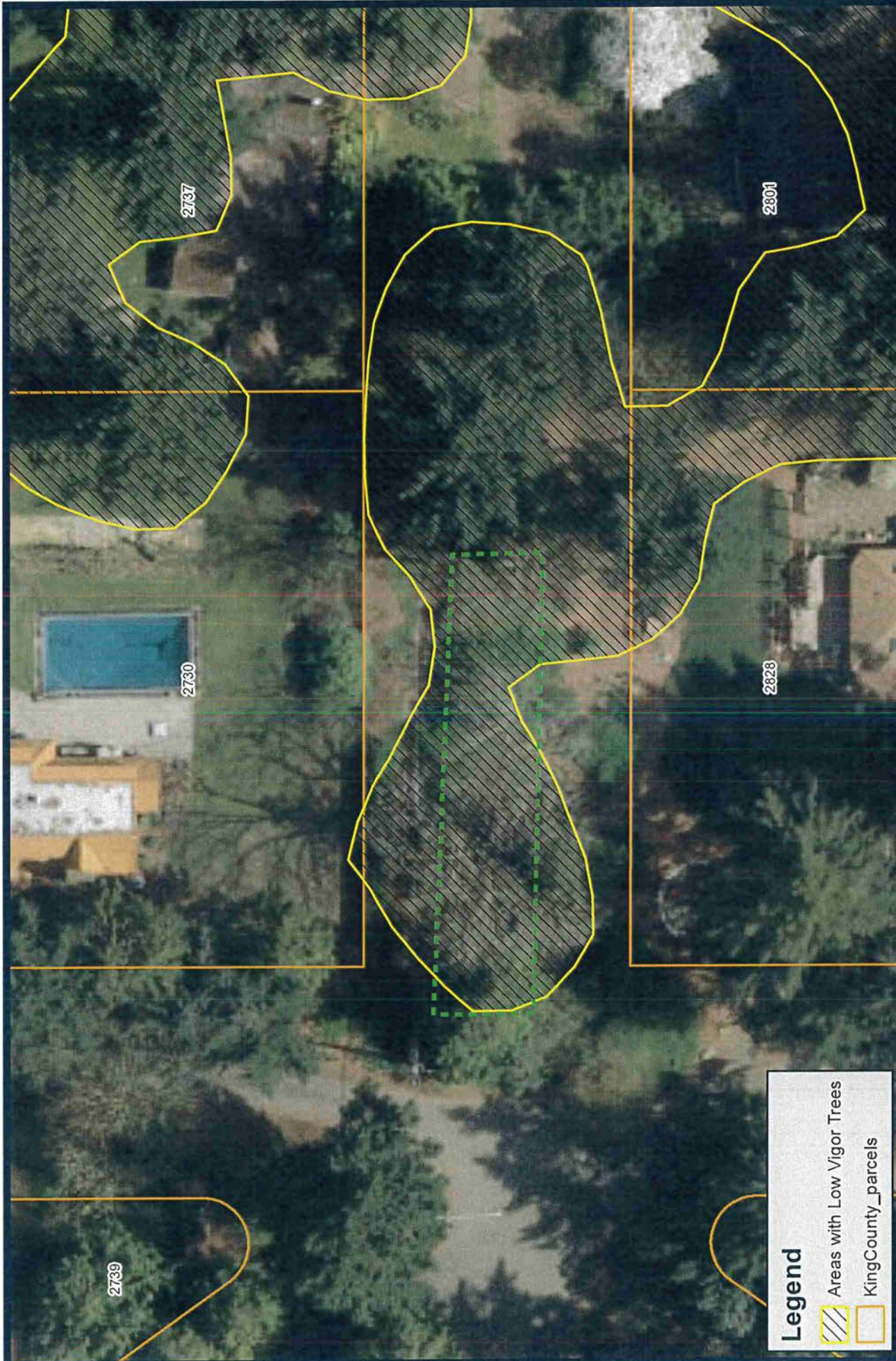
*Promoting sustainable uses of natural resources
through responsible stewardship*

Project Name	Academy Path Restoration		
Applicant	Town of Beaux Arts		
Contact	Paula Dix		
Mailing Address	2739 106th PI SE - Beaux Arts, WA 98004		
E-mail	pdix@beauxarts-wa.gov	Project Start Date:	4/23/2020
Phone	425-453-1453	Project End Date:	4/25/2020



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
Native Plants				
Salaries & Benefits				\$0
Travel/ Meals/ Mileage (for - volunteers, staff)				\$0
				\$0
				\$0
				\$0
Office Supplies				\$0
				\$0
				\$0
Field Supplies				\$0
				\$0
Plants				\$0
grand firs	\$11			\$11
shrubs	\$41			\$41
ground covers	\$503			\$503
tax	\$55			\$55
Other: (specify)				\$0
TOTAL	\$610	\$0	\$0	\$610

Total Project Cost	\$610
Total Match	\$0
Amount of KCD Funding Requested	\$610
Match Percentage	0%



Legend

-  Areas with Low Vigor Trees
-  KingCounty_parcel



Village of Beaux Arts Planting Area Map



1:495



DISCLAIMER: While every precaution was taken in preparing this map, the publisher disclaims any warranty of fitness or accuracy of the data. The map is approximate in nature, based on compilation of data from multiple sources, and should not be relied upon or referenced in legal proceedings. The map is not a survey and should not be used for engineering purposes. The user of the map acknowledges its limitations, assumes all responsibility for its use, and agrees to hold the publisher harmless for any errors or omissions that may appear on the map. This map is subject to change without notice.

KCD Planner: Michael Lasecki
Copyright ©2019 King Conservation District
December 11, 2019

FINANCE

Check/Voucher Register - Monthly Check, EFTs, Payroll, and Fee Register
1000 - Cash (Checking Ops / BoA / x0408)
From 1/1/2020 through 1/31/2020

AI 20-007

Document Number	Vendor	Date	Amount
22359	Renton Office Park LLC	1/3/2020	30,898.82
22360	Advanced Irrigation Inc.	1/13/2020	958.09
22361	The F.A. Bartlett Tree Export Company	1/13/2020	1,400.00
22362	Abaculo LLC dba Cherry Creek Farm	1/13/2020	7,490.00
22363	City of Bellevue	1/13/2020	12,198.16
22364	City of Renton Utility Division	1/13/2020	32.29
22365	City of Seattle, Office of Sustainability & Environment	1/13/2020	4,130.59
22366	Comcast Business	1/13/2020	215.54
22367	Comcast Business - PA	1/13/2020	398.87
22368	Delivery Express	1/13/2020	27.47
22369	Duwamish Alive Coalition	1/13/2020	1,000.00
22370	Gary L. English	1/13/2020	6,923.25
22371	Foundant Technologies, Inc.	1/13/2020	7,700.00
22372	Fourth Corner Nurseries	1/13/2020	498.55
22373	Health Care Authority	1/13/2020	27,796.30
22374	Charles H. Hitchin	1/13/2020	3,322.50
22375	Timothy Holmquist	1/13/2020	693.00
22376	Integrated Computer Systems Support, Inc.	1/13/2020	12,005.00
22377	International Rescue Committee	1/13/2020	44,923.68
22378	William M. Keough	1/13/2020	447.98
22379	Alexander Knight	1/13/2020	6,731.25
22380	Marc Bolan Consulting	1/13/2020	675.00
22381	McCaffrey Consulting LLC	1/13/2020	3,076.00
22382	Mountains to Sound Greenway Trust	1/13/2020	3,097.03
22383	National Construction Rentals	1/13/2020	162.80
22384	Office Team	1/13/2020	2,075.87
22385	John Ritter	1/13/2020	17,860.50
22386	Seattle Native Plants LLC	1/13/2020	1,181.40
22387	Rani Souza	1/13/2020	110.00
22388	Thomasson Dairy	1/13/2020	2,232.00
22389	US Bank VISA	1/13/2020	17,627.60
22390	Vashon Maury Community Food Bank	1/13/2020	198.00
22391	Vashon Island Grower's Association / VIGA	1/13/2020	13,844.46
22392	WACD Plant Materials Center	1/13/2020	1,990.76
22393	Washington Alarm, Inc	1/13/2020	367.29
22394	WS Ferries	1/13/2020	142.55
22395	Zero Waste Washington	1/13/2020	31,767.34
22396	A & L Western Agricultural Labs	1/27/2020	446.40
22397	Abila	1/27/2020	533.86
22398	Ryan S Basom	1/27/2020	1,275.00
22399	Elizabeth Jean Boutin	1/27/2020	1,368.36
22400	Marinn Carpenter	1/27/2020	2,178.75
22401	Cart Before Horse Farm, LLC	1/27/2020	175.00
22402	WEX Bank	1/27/2020	259.92
22403	City of Bellevue	1/27/2020	10,703.55
22404	City of Sammamish	1/27/2020	23,636.17
22405	Democracy Live, Inc.	1/27/2020	53,900.00
22406	Fauntleroy Watershed Council	1/27/2020	7,862.36
22407	Julio C. Flores	1/27/2020	1,560.00
22408	Herrera Environmental Consultants, Inc	1/27/2020	2,544.46

Check/Voucher Register - Monthly Check, EFTs, Payroll, and Fee Register
1000 - Cash (Checking Ops / BoA / x0408)
From 1/1/2020 through 1/31/2020

AI 20-007

Document Number	Vendor	Date	Amount
22409	Integrated Computer Systems Support, Inc.	1/27/2020	4,444.11
22410	Aaron K. Lichter	1/27/2020	2,666.57
22411	McCaffrey Consulting LLC	1/27/2020	1,538.00
22412	National Association of Conservation Districts	1/27/2020	500.00
22413	Neighborhood Farmers Market Alliance	1/27/2020	654.09
22414	Office Team	1/27/2020	2,316.11
22415	Pacific Office Automation	1/27/2020	2,217.86
22416	Point Harmony LLC - Virginia Gilder	1/27/2020	5,190.00
22417	Seattle - King County Department of Public Health	1/27/2020	1,154.16
22418	Public Storage	1/27/2020	373.00
22419	Rainier Valley Corps	1/27/2020	20,853.31
22420	Renton Office Park LLC	1/27/2020	30,898.82
22421	Charon Scott-Goldman	1/27/2020	525.00
22422	Seattle Parks Foundation	1/27/2020	2,577.99
22423	Sharp Electronics Corporation	1/27/2020	15.15
22424	Smartsheet Inc.	1/27/2020	4,791.60
22425	Sno Valley Tilth	1/27/2020	6,556.83
22426	Softwired Inc	1/27/2020	99.00
22427	Storm Lake Growers Inc.	1/27/2020	1,558.30
22428	Summit Law Group, PLLC	1/27/2020	630.00
22429	T-Mobile USA, Inc.	1/27/2020	1,180.90
22430	Tukwila Self-Storage	1/27/2020	462.00
22431	U.S. Bank Equipment Finance	1/27/2020	2,956.47
22432	Grow Food dba Viva Farms	1/27/2020	5,580.88
22433	WACD Plant Materials Center	1/27/2020	2,812.95
		Total Checks	475,196.87
22223	Storm Lake Growers Inc.	1/16/2020	-1,558.30
		Total Void Checks	-1,558.30
00004097E5010	UPS	1/15/2020	17.68
00004097E5020	UPS	1/22/2020	18.37
00004097E5030	UPS	1/29/2020	27.90
011020-G2G	Good To Go!	1/10/2020	8.00
011020-Navia	Navia Benefit Solutions	1/10/2020	208.33
011320-Intuit	Intuit	1/13/2020	216.98
011720-Navia	Navia Benefit Solutions	1/17/2020	678.96
012420-Navia	Navia Benefit Solutions	1/24/2020	497.75
012420b-Navia	Navia Benefit Solutions	1/24/2020	400.25
013120-Navia	Navia Benefit Solutions	1/31/2020	26.28
4Q19LI	Dept of Labor & Industries	1/28/2020	6,347.35
		Total EFT	8,447.85
011320-WireFee	Bank of America	1/13/2020	15.00
011720-StopPymtF	Bank of America	1/17/2020	30.00
012420-StopPymtF	Bank of America	1/24/2020	30.00
013120-CkImFee	Bank of America	1/31/2020	3.00
		Total Bank Fees	78.00

Check/Voucher Register - Monthly Check, EFTs, Payroll, and Fee Register
1000 - Cash (Checking Ops / BoA / x0408)
From 1/1/2020 through 1/31/2020

AI 20-007

Document Number	Vendor	Date	Amount
2001 01	January 2020 Payroll	1/31/2020	126,666.66
013120-DRS	Dept of Retirement Systems	1/31/2020	41,092.55
013120-PRTaxes	QuickBooks Payroll Service	1/31/2020	46,243.06
013120-QBFees	QuickBooks Payroll Service	1/31/2020	<u>229.82</u>
	Total Payroll		214,232.09
	Report Total		696,396.51

NEW BUSINESS

King Conservation District Board of Supervisors Meeting
Agenda Action Briefing/Report
Meeting Date: February 10, 2020

ACTION ITEM: 20-2009

SUBJECT: KCD Working Lands Initiatives- 2020 Work Plan

In December 2016, King Conservation District, King County, and the King County Class entered into a settlement agreement to implement certain conservation programs for the benefit of the King County Class. The programs are Agricultural Drainage Assistance, Discovery Farms Demonstration Project on working buffers, Small Lot Forest Management and Fire Protection, and King County Agriculture Strategic Plan.

Staff have worked with stakeholders in each program area to develop this work plan and funding plan. In 2019, the Board approved a comprehensive Program of Work for these Initiatives. The 2020 Program of Work continues the work plan forward and relies on remaining fund balances for these four initiatives.

FISCAL IMPACT

These activities are a core part of the goals of the King Conservation District 2020 work goals. The District has established the Work Lands Initiative Fund to accomplish these projects.

STAKEHOLDER INTERESTS

Parties to the Settlement, KCD Stakeholders, farmers, forest land managers, researchers, agencies and NGOs focused on agricultural development, agricultural buffer work, agricultural drainage, and forest health management.

BACKGROUND

Starting in 2017, the King Conservation District began expanding programs and services for rural landowners, including enhanced agricultural drainage and forest management services, "Discovery Farms" citizen science research, and development of a King County agriculture strategic plan.

Funding for these expanded services came as a result of a settlement associated with a 2011 lawsuit that prompted KCD to adopt a rates and charges approach for funding the organization. In a final court hearing on December 9, 2016, all parties in the suit agreed to amend the agreement to allocate settlement funds to implement four conservation programs to benefit rural landowners and working lands in King County.

King Conservation District Board of Supervisors Meeting

Agenda Action Briefing/Report

Meeting Date: February 10, 2020

Below is a brief description for each of the programs:

R91. King County Agricultural Strategic Plan. Providing \$200,000 to develop an Agriculture Strategic Plan to improve the long-term productivity of farmland, bring more acres into food production, and increase opportunities for farmers to develop the necessary infrastructure to support or increase their farm business.

R92. Agricultural Drainage Assistance. Under this program, KCD is investing an additional \$500,000 for the KCD Agricultural Drainage Program to support ongoing services of the King County Agricultural Drainage Assistance Program (ADAP). This project will tackle gaps and needs of agricultural drainage in King County, with a focus on addressing long term impacts, including supporting regulatory process improvements and investing in drainage improvement projects that tackle more complex drainage problems.

R93. Discovery Farms Demonstration Project. Providing \$200,000 to establish and maintain an on-farm research site for demonstrations, data collection, and peer-reviewed research on agricultural buffer planting strategies for protecting the environment while increasing farm production.

R94. Small Forest Management and Fire Protection. Providing \$500,000 to develop small lot forest land investment package to assist small lot forest land owners with planning and implementing forest health and wildfire resiliency practices that promote healthy, fire resilient forested stands and to protect property structures and develop a cooperative approach for small forest land owners in King County to work together and take advantage of economies of scale in management and harvest efforts.

EFFECTIVE DATE: January 1, 2020

RECOMMENDATION

Staff recommend that the Board approve the proposed Working Lands Initiative 2020 Program of Work..

MOTION

_____ Moved, _____ Seconded; Passed unanimously a motion to approve the KCD Working Lands Initiative 2020 Program of Work.

KCD Working Lands Initiative: Providing Expanded Services for Rural Landowners 2020 Program of Work

Introduction

Starting in 2017, the King Conservation District, launched the Working Lands Initiative, which included expanding programs and services for rural landowners, including enhanced agricultural drainage and forest management services, “Discovery Farms” citizen science research, and development of a King County agriculture strategic plan.

Funding for the expanded services came as a result of a settlement associated with a 2011 lawsuit that prompted KCD to adopt a rates and charges approach for funding the organization. In a final court hearing on December 9, 2016, all parties in the suit agreed to amend the agreement to allocate settlement funds to implement four conservation programs to benefit rural landowners and working lands in King County.

Below is a brief description for each of the programs:

R91. King County Agricultural Strategic Plan. Develop an Agriculture Strategic Plan to improve the long-term productivity of farmland, bring more acres into food production, and increase opportunities for farmers to develop the necessary infrastructure to support or increase their farm business.

R92. Agricultural Drainage Assistance. Invest expanded funding to KCD Agricultural Drainage Program to support ongoing services of the King County Agricultural Drainage Assistance Program (ADAP). This project tackles gaps and needs of agricultural drainage in King County, with a focus on addressing long term impacts, including supporting regulatory process improvements and investing in drainage improvement projects that tackle more complex drainage problems.



R93. Discovery Farms Demonstration Project. Establish and maintain an on-farm research site for demonstrations, data collection, and peer-reviewed research on agricultural buffer planting strategies for protecting the environment while increasing farm production.

R94. Small Forest Management and Fire Protection. Develop small lot forest land investment package to assist small lot forest land owners with planning and implementing forest health and wildfire resiliency practices that promote healthy, fire resilient forested stands and to protect property structures and develop a cooperative approach for small forest land owners in King County take advantage of economies of scale in management and harvest efforts.



2020 Working Lands Initiatives- Program of Work

As a part of the King Conservation District's 2020 programing, the Working Land Initiative work plan continues program investments in the four Working Land initiative Programs. This plan describes the work and budget of these four programs:

- R91- Agricultural Strategic Plan
- R92- Agricultural Drainage Initiative
- R93- Agricultural Buffer Research Project- Discovery Farms
- R94- Forestry Initiative

R91- Agricultural Strategic Plan

The 2020 work for this initiative will focus on developing a comprehensive scope for the work, competing and awarding a contract and beginning the project. This project will continue to collaborate and complement with other regional strategic efforts including: Pierce County and Snohomish Strategic Plans, the Snohomish Conservation District's Agricultural Resiliency Plan, and the upcoming King County's Snoqualmie Valley Fish, Farm, Flood agricultural planning efforts.

The current project advisors include representatives from King County, Snohomish CD, and WSU- Pierce County. This ongoing work builds off initial project scoping conducted with the advisory team in 2018. Note this work was on hold in 2019.

2020 Scope of Work:

- Develop revised Scope of Work deliverables for strategic plan elements
- Ongoing coordination with other strategic plan efforts, including King County-Snoqualmie Farm, Fish, Flood Agricultural Strategy and Snohomish CD Agricultural Resilience Plan
- Develop KCD agricultural evaluation plan and begin implementing plan

2020 Budget: \$149,429

R92- Agricultural Drainage Initiative

In 2020, KCD will continue to coordinate with King County's ADAP and the Snoqualmie Watershed Improvement District to achieve the following focus areas:

1. Address/ improve regulations related to agricultural drainage
2. Increase knowledge and research evaluating environmental aspects of agricultural drainage
3. Integrate work with Farm, Fish, Flood agreement drainage outcomes, including expanding drainage support to tiles, larger waterways, and pumps/ flood gates

Here are the program goals for 2020 (all ongoing work):

Regulations

- Ongoing Participation with King County and other partners on the Farm Fish Flood Regulatory Task Force, specifically tasked with addressing and improving the regulations and permit processes associated with agricultural drainage in King County.
- Streamline the farm plan elements of the agricultural drainage permitting process.

Knowledge and Research

- Ongoing conduct evaluation on drainage project buffers as part of KCD Discovery Farms- Agricultural Buffers Project
- Conduct county wide agricultural drainage assessment and needs inventory
- Building out a comprehensive evaluation of environmental and farm impacts of this work.

Comprehensive Drainage Projects

- Identify, coordinate, and install several drainage projects
- Coordinate long-term program and funding with King County ADAP and Snoqualmie WID

2020 WLI Budget: \$361,015

R93- Agricultural Buffer Research Project- Discovery Farms

The 2020 work plan wraps up the Work Land Initiative funded phase for this project. In 2020, the District will reengage with the steering committee to begin farmer outreach efforts and shift monitoring of the 2019 sampling sites into the ongoing District's work plan.

2020 Scope of Work (combination of WLI and Rate and Charge funding):

- Continue buffer research on 30 buffer sites
- Ongoing research QAPP coordination with the Department of Ecology Environmental Assessment Program
- Plan/ hold buffer research farm field day
- Develop communication/ outreach plan for sharing research project progress with farmers
- Seek additional funding to sustain and expand the Discovery Farm Model to include other farm conservation practices evaluation, such as Waste Storage Structures, Heavy Use Areas

2020 WLI Budget: \$1,650 (Note that this ongoing work is shifted to Rate and Charge Work Plan funding)

R94- Forestry Initiative

2020 work for this initiative will focus further extending forest stewardship planning services for communities of small forest landowners (multi-parcel outreach, TA, planning, and projects) and developing a cooperative approach for small forest land owners to work together to take advantage of economies of scale in management and harvest efforts.

Scope of Work:

- Develop and pilot approach to implement small forest landowner forest stewardship activities with economies of scale
- Respond to requests for wildfire and forest technical assistance and/or cost share project planning assistance from existing and newly organized communities in service district

2019 Budget: \$180,329

2020 Working Lands Initiatives- Program of Work

	Ag Strat. Planning	Ag Drainage Asst.	Discovery Farms	Forest Health/Wildfire Resil.	Total
	R91	R92	R93	R94	
	\$ 149,429	\$ 361,015	\$ 1,650	\$ 180,329	\$ 692,424
PROGRAM EXPENSES					
Contracted & Professional Services	7850 \$ 100,000	\$ 200,000		\$ 78,459	\$ 378,459
Legal	7805	\$ 5,000			\$ 5,000
Field Supplies	6410	\$ 15,000	\$ 1,650		\$ 16,650
Culvert/ Bridge materials	6410/ 8815	\$ 100,000			\$ 100,000
Training fees	7600	\$ 2,000			\$ 2,000
Cost Share- KCD				\$ 75,000	\$ 75,000
Other	7850 \$ -	\$ 1,000	\$ -		\$ 1,000
Payroll Expense					
Salaries and Wages	5000 \$ 49,429	\$ 38,015	\$ 0	\$ 26,870	\$ 114,314
TOTAL	\$ 149,429	\$ 361,015	\$ 1,650	\$ 180,329	\$ 692,423