



CITY OF RENTON
DEPARTMENT OF COMMUNITY AND
ECONOMIC DEVELOPMENT
REPORT TO THE HEARING EXAMINER, EXHIBITS

| | | | |
|--|---|--|--|
| Project Name: Lake to Sound Regional Trail – Segment A | | Project Number: LUA15-000257, ECF, SSDP, S-CUP, S-V | |
| Date of Hearing February 16, 2016 | Staff Contact Kris Sorensen, Associate Planner | Project Contact/Applicant Jason Rich, Capital Projects; King County DNRP/Parks | Project Location 1.2-Mile Trail Corridor, Naches Ave SW in Renton to Fort Dent Tukwila |

The following exhibits were entered into the record:

- Exhibit 1: Environmental Review Committee Report
- Exhibit 2: Zoning Maps - Cities of Tukwila Renton and Tukwila
- Exhibit 3: Shoreline Master Program (SMP) Vicinity Map
- Exhibit 4: Permit Narrative and Justification, prepared by Parametrix, dated April 2015
- Exhibit 5: Final Drainage Technical Information Report, prepared by Parametrix, dated April 2015
- Exhibit 6: Final Critical Areas Report, prepared by Parametrix, dated April 2015
- Exhibit 7: Stream Discipline Report, prepared by Parametrix, dated April 2015
- Exhibit 8: Vegetation and Wildlife Discipline Report, prepared by Parametrix, dated April 2015
- Exhibit 9: Draft Geotechnical Report - Black River Bridge, prepared by HWA GeoSciences Inc for Parametrix, dated February 24, 2015
- Exhibit 10: Environmental Checklist, prepared by Parametrix, dated April 17, 2015
- Exhibit 11: Agency Comment; Muckleshoot Tribes, email dated May 13, 2015
- Exhibit 12: Agency Comment; City of Renton Department of Community Services, dated July 23, 2015
- Exhibit 13: Project Vicinity Map
- Exhibit 14: Biological Assessment – Bridge, prepared by Parametrix, dated August 2015
- Exhibit 15: Construction Mitigation Plan
- Exhibit 16: Lake to Sound, 16-mile Conceptual Regional Trail Corridor
- Exhibit 17: 60% Construction Drawings, prepared by Parametrix, dated April 2015
- Exhibit 18: NEPA Exemption Determination, Washington State Department of Transportation document, dated September 12, 2012 and Addendum, WSDOT, dated November 3, 2015
- Exhibit 19: Slopes Map, City of Renton
- Exhibit 20: Black River Bridge Location, Site and Exploration Plan, prepared by HWA GeoSciences, dated January 1, 2015
- Exhibit 21: Wetlands Vicinity Map
- Exhibit 22: Stream and Wetland Buffer Impacts Maps
- Exhibit 23: Vegetation and Wildlife Study Area Map

- Exhibit 24: Project Drainage Basin Map
- Exhibit 25: Floodplain Map; 1995 DFIRM
- Exhibit 26: Response email to Muckleshoot Tribes Comments, email from Kris Sorensen, dated December 10, 2015
- Exhibit 27: Endangered Species Act No Effects Letter for Segment A, prepared by Parametrix, dated October 24, 2011
- Exhibit 28: Endangered Species Act No Effects Letter for Segment A Pedestrian Bridge, prepared by Parametrix, dated September 30, 2011
- Exhibit 29: Second Muckleshoot Tribes Comments, email December 28, 2015
- Exhibit 30: Bridge Ground Improvements Limits, Plan, and Elevation
- Exhibit 31: Landscape Plan and Mitigation Plantings Plan
- Exhibit 32: Photos of Trail Route
- Exhibit 33: Response to Muckleshoot Comments #2, email from Kris Sorensen, dated January 7, 2016
- Exhibit 34: Floodplain Impact Area
- Exhibit 35: WRIA 9 – Green/Duwamish and Central Puget Sound Watershed Habitat Plan Projects
- Exhibit 36: Advisory Notes
- Exhibit 37: Hearing Examiner Report
- Exhibit 38: City of Renton Trails and Bicycle Master Plan, adopted May 11, 2009
- Exhibit 39: City of Renton Comprehensive Plan, Shoreline Management Element and Appendix B Public Access Objectives by Reach
- Exhibit 40: Critical Areas Figure 3-1, prepared by Parametrix
- Exhibit 41: Determination of Non-Significance Mitigated

ENVIRONMENTAL REVIEW COMMITTEE REPORT

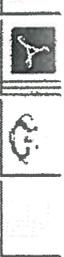
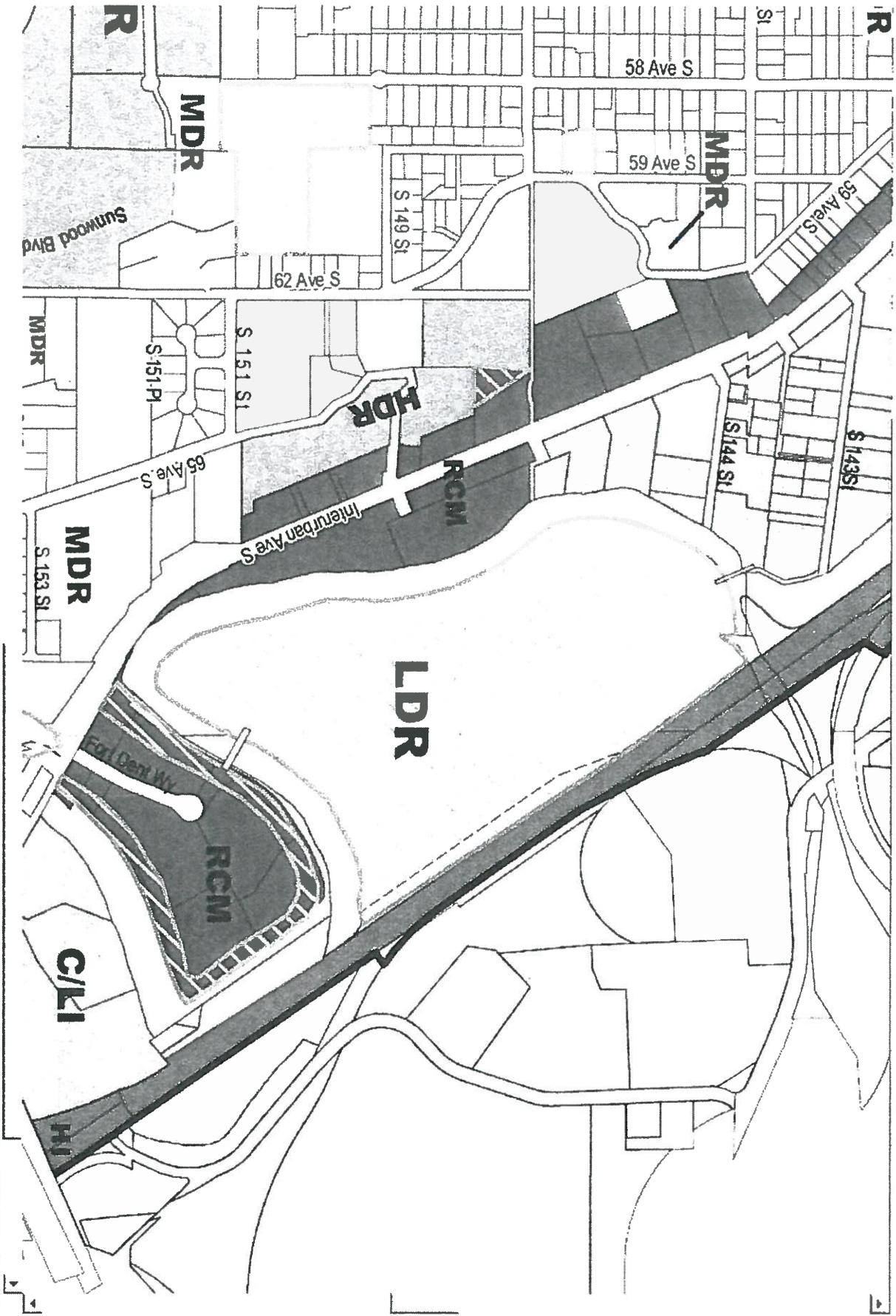
| | |
|---------------------------|--|
| ERC MEETING DATE: | January 11, 2015 |
| Project Name: | Lake to Sound Regional Trail - Segment A |
| Project Number: | LUA15-000257, ECF, SSDP, S-CUP, S-V |
| Project Manager: | Kris Sorensen, Associate Planner |
| Owner: | City of Renton; City of Tukwila; Burlington Northern Santa Fe; Union Pacific |
| Applicant/Contact: | King County Parks, Attn: Jason Rich, Capital Projects; King Street Center, 7 th Floor; 201 S. Jackson St; Seattle WA 98104 |
| Project Location: | Black River Riparian Forest in City of Renton and Fort Dent Park in City of Tukwila |
| Project Summary: | <p>The applicant is requesting SEPA Environmental Review, a Shoreline Conditional Use Permit, a Shoreline Variance, and a Shoreline Substantial Development Permit to improve an existing informal 1.2-mile trail within the cities of Tukwila and Renton with a 12-foot wide paved trail and new bridge over the Black River. The proposal is part of a larger 16-mile Lake to Sound Trail that links Lake Washington to Puget Sound. Additional approvals for the Tukwila portion of the trail are required. A Renton Shoreline Variance from RMC 4-3-090.D.2.d.ix.f is required for the trail areas located in wetland buffers because the proposal exceeds a 4-foot width and is paved. In Renton, the trail is located on city owned and railroad owned parcels that are zoned Commercial Office (CO) and Resource Conservation (RC). In Tukwila, the trail is located on private and public parcels that are zoned Heavy Industrial (HI) and Low Density Residential (LDR) land use designation. The trail area within Renton is located in the Black River-Springbrook Creek 'Natural' shoreline and associated wetland buffers. Within Tukwila, the trail is located within the 200-foot Green and Black River shoreline buffer regulation areas. Parts of the trail are located in the 1995 FIRM Floodplain area. 1,500 cubic yards of grading and 3,000 cubic yards of fill are proposed. Trees would be removed along the trail alignment and within shoreline buffer areas. 98,297 square feet of mitigation and planting areas are proposed with native species. Other project elements include a new pedestrian crossing at Monster Road, undercrossings of railroad bridges, retaining walls, fences, signage, and stormwater improvements. Work would be limited to specific times of the year based on reducing impacts to nearby wildlife and overwater work for the new bridge. The project is anticipated to have no net loss of ecological function of the regulated shoreline areas as required by state, federal, and local regulations. Studies submitted include a Bridge Geotechnical Report, Vegetation and Wildlife Discipline Report, Critical Areas Report, Stream Discipline Report, Drainage Report, Endangered Species Act No Effect document, and NEPA Exemption. Construction work would begin in spring 2016 and is anticipated to last 12 months.</p> |

| | | | |
|------------------------------|-------------------------------------|---|------------------------|
| Exist. Bldg. Area SF: | N/A | Proposed New Bldg. Area (footprint): | 3.94 acres paved |
| | | Proposed New Bldg. Area (gross): | 5.26 acres w/ shoulder |
| Site Area: | 1.2 mile length in Tukwila & Renton | Total Building Area GSF: | 5.26 acres w/ shoulder |

STAFF RECOMMENDATION: Staff Recommends that the Environmental Review of Non-Significance - Mitigated (DNS-M).

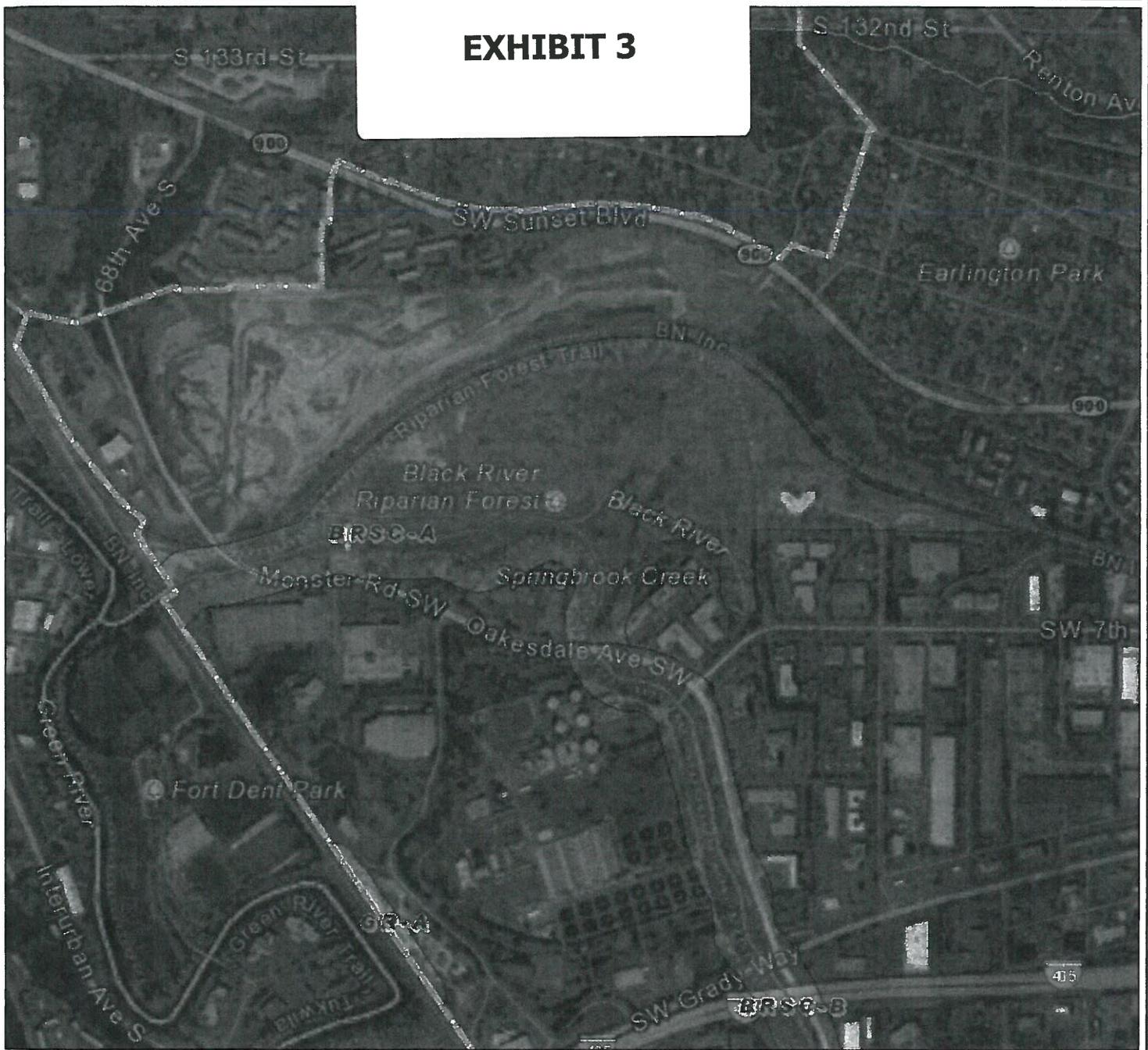
EXHIBIT 1

- 1 Sites (69)
- Suggested Sites (68)
- Suggested Sites (67)
- Suggested Sites (56)
- EmerGov 9
- Suggested Sites (47)
- Suggested Sites (46)
- Suggested Sites (37)
- Suggested Sites (25)



City of Renton Shoreline Master Program Overlay

EXHIBIT 3



Notes

None



953 0 477 953 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

Legend

City and County Boundary

Other

City of Renton

Environment Designations

Natural

Shoreline High Intensity

Shoreline Isolated High Intensity

Shoreline Residential

Urban Conservancy

Jurisdictions

Type Np

Type Ns

EXHIBIT 4

**Entire Document
Available Upon Request**

Lake to Sound Trail – Segment A Permit Narrative and Justification

Prepared for
King County



King County

April 2015

Prepared by
Parametrix

EXHIBIT 5

Entire Document
Available Upon Request

Lake to Sound Trail - Segment A Final Technical Information Report Drainage and Floodplain

Prepared for

King County

Division of Capital Planning and Development
Facilities Management Division, DES
King County Administration Building
500 Fourth Avenue, Room 320
Seattle, Washington 98104

Prepared by

Parametrix

719 2nd Avenue, Suite 200
Seattle, WA 98104
T. 206.394.3700 F. 1.855.542.6353
www.parametrix.com

EXHIBIT 6

Entire Document
Available Upon Request

Lake to Sound Trail—Segment A Final Critical Areas Report

Prepared for



King County

April 2015

Prepared by
Parametrix

EXHIBIT 7

**Entire Document
Available Upon Request**

**Lake to Sound Trail—Segment A
Stream Discipline Report**

Prepared for

RECEIVED
APR 17 2015
CITY OF RENTON
PLANNING DIVISION



April 2015

Prepared by
Parametrix

EXHIBIT 8

Entire Document
Available Upon Request

Lake to Sound—Segment A Vegetation and Wildlife Discipline Report

Prepared for



King County

April 2015

Prepared by
Parametrix

EXHIBIT 9

DRAFT **Entire Document
Available Upon Request**

**DRAFT GEOTECHNICAL REPORT
LAKE TO SOUND TRAIL, BLACK RIVER BRIDGE
RENTON, WASHINGTON**

HWA Project No. 2010-100 T200

February 24, 2015

Prepared for:

Parametrix, Inc.


HWA GEOSCIENCES INC.

EXHIBIT 10

Entire Document Available Upon Request

WAC 197-11-960 Environmental checklist.

ENVIRONMENT

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:
Lake to Sound Trail, Segment A
2. Name of applicant:
King County Parks
3. Address and phone number of applicant and contact person:
Jason Rich, Capital Improvement Project Manager
King Street Center
201 South Jackson, 7th Floor
Seattle, Washington 98104
4. Date checklist prepared:
April 9, 2015

EXHIBIT 11

425-430-6593

ksorensen@rentonwa.gov

From: Karen Walter [<mailto:KWalter@muckleshoot.nsn.us>]

Sent: Wednesday, May 13, 2015 2:43 PM

To: Kris Sorensen

Cc: Jill Ding

Subject: FW: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV

Kris,

We have reviewed King County's proposed Lake to Sound Trail Segment A project referenced above and offer the following comments in the interest of protecting and restoring the Tribe's treaty-protected fisheries resources:

1. The trail appears to be proposed within or adjacent to the area of the Green and Black Rivers that were identified as a salmon habitat restoration project (LG-17 and LG-18) in the Green/Duwamish and Central Puget Sound Watershed Salmon Habitat Plan (August 2005). (see page 7-75 in <http://your.kingcounty.gov/dnrp/library/2005/kcr1876/CHAPTERS/Ch7-LowerGreen.pdf>). How will the project ensure that there are no conflicts with these proposed salmon habitat restoration project or alternatively what alternative projects would be proposed in lieu?
2. Existing trees along the Green River should not be removed and fully avoided by this project to avoid causing further reductions in shade and contributions to the existing temperature water quality violations in the Green River that are contributing to pre-spawning mortality of adult Chinook salmon.
3. Any tree that is at least 4 inches in diameter and within 200 feet of the Black River should be placed back into the Black River as partial mitigation for the loss of future wood recruitment function.
4. Trees should be replanted at a minimum 2:1 ratio to improve riparian functions along both the Green River and the Black River.

We appreciate the opportunity to review this proposal and look forward to the City's/applicant's responses.

Thank you,
Karen Walter
Watersheds and Land Use Team Leader

*Muckleshoot Indian Tribe Fisheries Division
Habitat Program
39015 172nd Ave SE
Auburn, WA 98092
253-876-3116*

From: Sabrina Mirante [<mailto:SMirante@Rentonwa.gov>]

Sent: Thursday, May 07, 2015 3:01 PM

To: DOE; DOE (misty.blair@ecy.wa.gov); DNR; Erin Slaten; Karen Walter; Laura Murphy

Cc: Kris Sorensen; Jill Ding

Subject: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV

PLEASE SEE ATTACHED: ENVIRONMENTAL CHECKLIST AND NOTICE OF APPLICATION.

EXHIBIT 12

COMMUNITY SE
DEPARTMENT



M E M O R A N D U M

DATE: July 23, 2015

TO: Kris Sorensen, Associate Planner

FROM: Leslie Betlach, Parks Planning and Natural Resources Director

SUBJECT: **Revised Lake To Sound Trail Review Comments
LUA15-000257**

Upon further review of the Lake to Sound Trail project, the Community Services Department would like to submit the following revised comments:

1. There are several locations in the Plan Set where cottonwood and alder trees are proposed to be removed along the trail with no indication about how the area is to be restored. After reviewing the Final Critical Areas Report, only some of the tree removal locations are proposed to be restored. It is recommended that all disturbed areas noted in the Plan set be restored; more detail is required. In addition, we recommend that the trunks of the trees that are to be removed, be left on the ground. Stumps should be ground and the area re-vegetated.
2. There is no landscaping plan for planting along the trail. A landscape plan should be submitted as a condition of approval for the CUP and that the replanting plan be submitted prior to building permit issuance.
3. In areas identified with a 20' tree removal area, a hierarchy of planting is recommended starting from the outside edges of the gravel shoulders with grasses/groundcovers, followed by densely planted shrubs and ending with trees in the outer 20' in order to minimize trail upheaval caused by tree roots.
4. The current plans call for Cottonwood trees only to be removed within the 20' buffer. Five additional trees have been identified to be included for removal, two of which are alder trees. Please add the additional five trees for removal.
5. In areas identified with a 10' tree removal area from the paved edge of the trail (treed section north of Naches), a hierarchy of planting is recommended starting from the outside edges of the gravel shoulders with grasses/groundcovers followed by densely planted shrubs.

6. Areas along the trail that have had clearing, tree removal, restoration, and at rest stops should include a split rail-type fence to deter public access into the riparian area. This should be noted on the plans; a detail of the fencing should be included.
7. Temporary irrigation should be included for all areas that are to be restored and for the duration of the 5 year monitoring plan. Include plans and details.
8. Interpretive Signage, particularly at rest stops about the habitat at the Black River Riparian Forest should be included as part of the design.
9. "Sensitive Area – "Please Stay on Trail" signage should be located at rest stops, near the split rail fencing and other locations as determined.
10. A greater variety of plant materials should be added to the plant list such as Ribes spp.- native currant, Vaccinium ovatum – Evergreen huckleberry and Rosa spp.- single flowers native roses.
11. The City's standard bollard and bench details should be considered.

cc: Jennifer Henning, Planning Director
Vanessa Dolbee, Current Planning Manager
Terry Flatley, Urban Forestry and Natural Resources Manager
Todd Black, Capital Project Coordinator

EXHIBIT 13

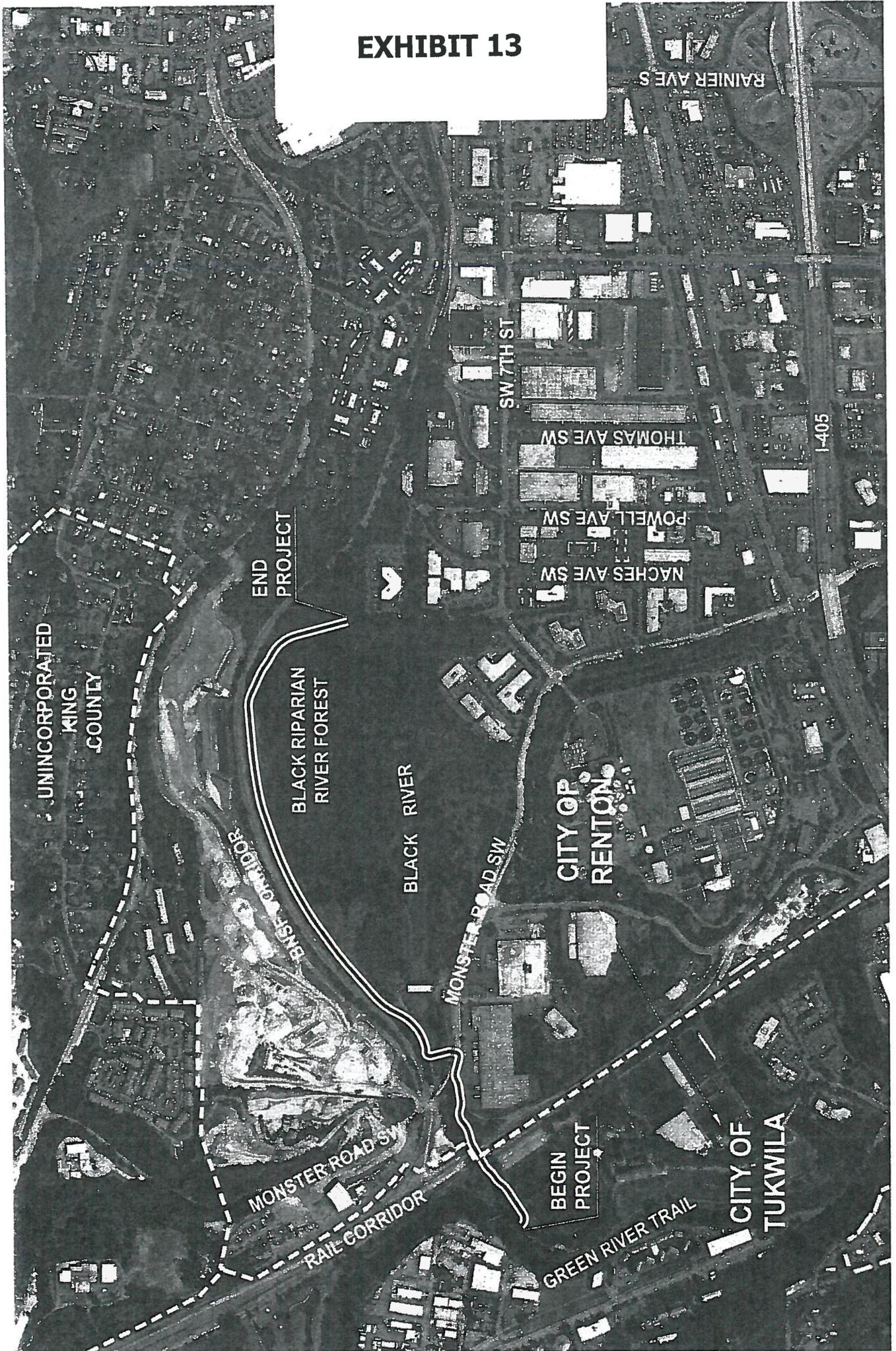


EXHIBIT 14

Parametrix
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCE

719 2ND AVENUE, SUITE 200 | SEATTLE, WA 98104 | P 206.394.3700

August 28, 2015

Mr. Kris Sorensen
Economic & Community Development
City of Renton
1055 South Grady Way
Renton, Washington 98057

CITY OF RENTON
RECEIVED

AUG 31 2015

BUILDING DIVISION

Via
Fed
EX

Lake to Sound Trail Segment A – Biological Assessment

Hi Kris,

On behalf of Jason Rich, King County Parks, I am submitting the enclosed Biological Assessment (BA) for the Lake to Sound Trail—Segment A project. This submittal responds to your email request dated August 18th. Please note that, because the project has federal transportation funding, the BA follows the template and guidance used by the Washington State Department of Transportation, and the Federal Highway Administration is the federal lead agency. We've provided some additional language below intended to assist you with your floodplain compliance needs.

In addition to fulfilling the requirements for Endangered Species Act (ESA) Section 7 consultation between the Federal Highway Administration and the National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (USFWS), the enclosed BA supports compliance with the terms of NMFS' 2008 biological opinion for the National Flood Insurance Program (NFIP). The City of Renton, as the local jurisdiction with permitting authority under the NFIP, is required to demonstrate that the proposed project is not likely to adversely affect water quality, water quantity, spawning substrate, flood volumes or velocities, or floodplain refugia for ESA-listed salmonids.

The project element with the greatest potential to affect ESA-listed salmonids or their habitat is the proposed pedestrian bridge over the Black River. The potential effects of bridge installation and operation are the primary subject of analysis in the BA. Documentation of the compliance of the Lake to Sound Trail—Segment A pedestrian bridge with the terms of the NMFS NFIP biological opinion is presented in Section 6 (Floodplain Analysis) of the BA. Potential effects of other elements of the proposed trail are addressed in Appendix A, October 2011 No-effects Determination for Lake to Sound Trail—Segment A. In addition, as discussed in the April 2015 City of Renton Critical Area Study for the Lake to Sound Trail—Segment A project, the project will result in no net fill below the elevation of the 100-year floodplain. No compensatory storage is required or proposed.

The findings in these analyses support the determination that the Lake to Sound Trail—Segment A project is not likely to adversely affect water quality, water quantity, spawning substrate, flood volumes or velocities, or floodplain refugia for ESA-listed salmonids.

Please feel free to call me if you would like to discuss further or need additional information in order to advance the processing of the shoreline conditional use permit application.

Best regards,



Jenny Bailey
Consultant Project Manager

Cc: Jason Rich, King County
Jenny Bailey, Parametrix
File

**Entire Document
Available Upon Request**

Lake to Sound Trail—Segment A Pedestrian Bridge

Biological Assessment

Prepared for
King County Parks



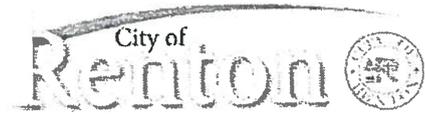
King County

August 2015

Prepared by
Parametrix

EXHIBIT 15

DEPARTMENT OF COMMUNITY
AND ECONOMIC DEVELOPMENT



Construction Mitigation Description

Planning Division
1055 South Grady Way-Renton, WA 98057
Phone: 425-430-7200 Fax: 425-430-7231

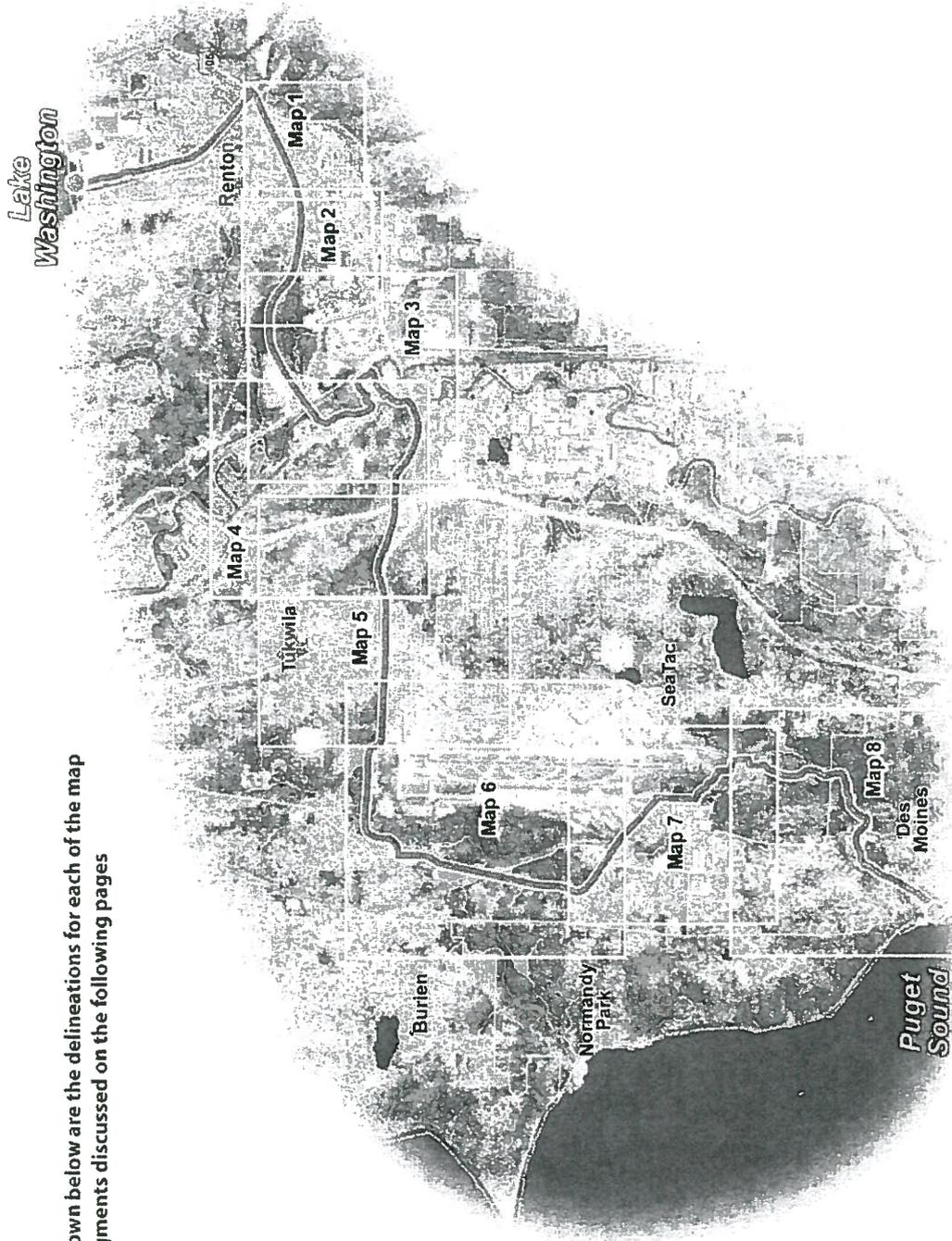
Construction Mitigation Description: Please provide **5 copies** of a written narrative addressing each of the following:

- Proposed construction dates (begin and end dates)
Proposed construction dates are unknown and will be dependent upon permitting restrictions, fish windows, seasonal rain conditions, and habitat restrictions for nearby nesting herons.
- Hours and days of operation
Construction operations will be generally limited between Monday and Friday during an 8-hour consecutive period between 7:00am and 6:00pm.
- Any special hours proposed for construction or hauling (i.e. weekends, late nights)
Night, weekend and holiday work will not be permitted.
- Proposed hauling/transportation routes
Haul and construction site access will be from Monster Road and Naches Avenue, depending on the section of trail to be constructed.
- Preliminary traffic control plan
Traffic control along Monster Road will generally include single-lane traffic and sidewalk closures using flaggers and standard WSDOT Work Zone Traffic Control plans. Traffic control at Naches Avenue and the trailhead will be limited to parking restrictions; this is a cul-de-sac and serves as parking for infrequent trail users.
- Measures to be implemented to minimize dust, traffic and transportation impacts, erosion, mud, noise, and other noxious characteristics
Temporary erosion and sediment control measures from the King County Surface Water Design Manual (2009), Appendix D, will be applied during construction to limit dust, erosion, mud, and noise and other noxious characteristics of the construction.

EXHIBIT 16

Lake to Sound Trail Feasibility Study

Shown below are the delineations for each of the map segments discussed on the following pages

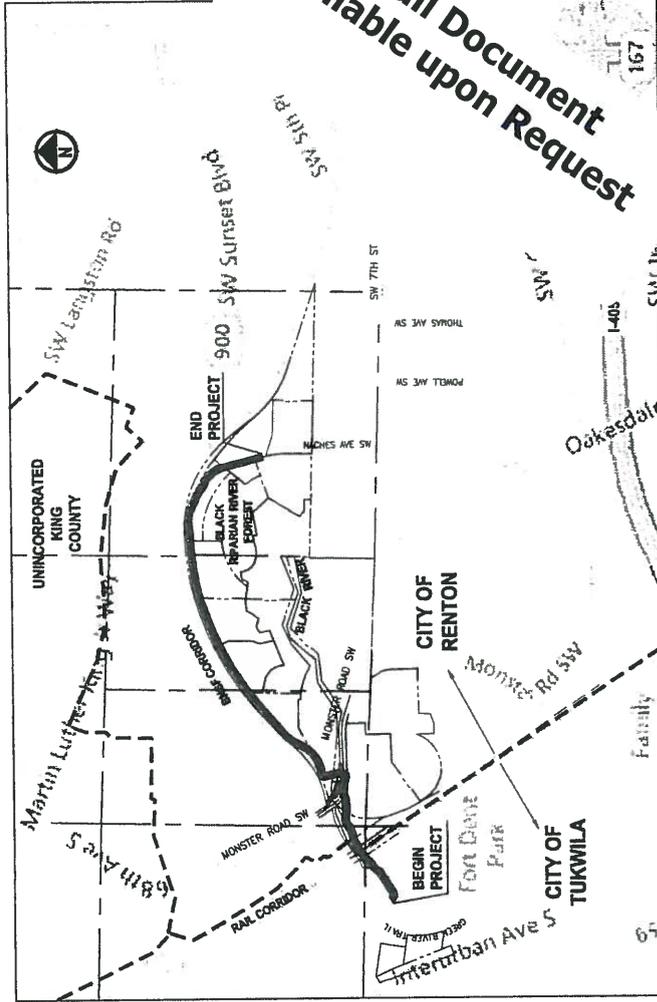


Lake to Sound Trail Segment A

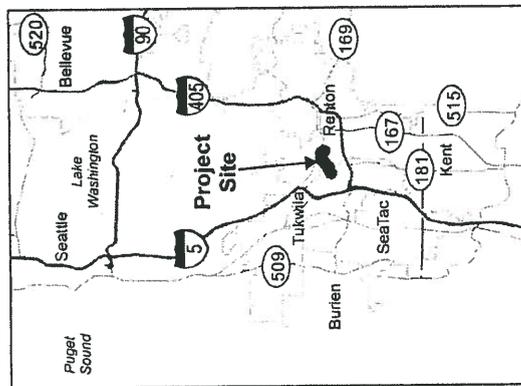
Green River Trail to Naches Avenue SW King County, Washington Contract No. XX

EXHIBIT 17

Full Document
Available upon Request



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

DATE: 1.05.10
G1

COVER SHEET

PROJECT NAME
LAKE TO SOUND TRAIL
SEGMENT A
GREEN RIVER TRAIL TO NACHES AVE SW

PARAMETRIX
1100 WEST 10TH AVENUE
SUITE 1000
SEATTLE, WA 98108
TEL: 206.464.1000
WWW.PARAMETRIX.COM



DATE: 1.05.10
BY: J. DORRAN
CHECKED: M. MILLER
APPROVED: [Signature]

| REVISION | DATE | BY | REASON |
|----------|------|----|--------|
| | | | |
| | | | |
| | | | |

EXHIBIT 18



**Washington State
Department of Transport**

NEPA Categorical Exclusion Documentation Form

| | | |
|---|---|---|
| Federal Aid Project Number: CM2017(110) | Date: 11/3/2015 | Intent of Submittal: <input type="checkbox"/> Preliminary <input type="checkbox"/> Final <input checked="" type="checkbox"/> Re-Evaluate |
| Agency: King County Department of Transportation | Project Title: Lake to Sound Trail – Segment A | |
| County: King County | | |
| Beginning MP: NA _____ Ending MP: NA _____ Miles: <u>1.1</u> | Township(s): <u>23N</u> Range(s): <u>4E</u> Section(s): <u>13, 14</u> | |
| Part 1 - Project Description | | |
| <p>The Lake to Sound Trail is a continuous, 16-mile-long regional corridor linking Lake Washington to Puget Sound through the Cities of Renton, Tukwila, SeaTac and Des Moines. This project develops a multi-purpose, nonmotorized route for "Segment A" of the Lake to Sound Trail and is 1.06 miles in length. Included in the project is a 114 ft. pedestrian bridge over the Black River. Segment A travels through the Black River Riparian Forest from Naches Avenue SW (City of Renton), crossing Monster Road SW, to arrive at Fort Dent Park (City of Tukwila).</p> | | |

| |
|--|
| Part 2 – Categorical Exclusion |
| Select <u>one</u> CE from 23 CFR 771.117 (CE Guidebook - Appendix A) that fits the entire project: <u>(c)(3)</u> |

NEPA Approval Signatures

| | |
|--|----------------------------------|
| _____ Local Agency Approving Authority | <u>11.6.15</u> _____ Date |
| _____ Regional Local Programs Engineer | <u>12/22/15</u> _____ Date |
| _____ Local Programs Environmental Engineer | <u>12/30/15</u> _____ Date |
| _____ Federal Highway Administration | <u>12/30/15</u> _____ Date |

| | | |
|---|--|--|
| Completed by (Print Official's Name): Lindsey Miller | Telephone (include area code): 206-477-3549 | E-mail address: Lindsey.miller@kingcounty.gov |
|---|--|--|

| Part 3 - Permits, Approvals & Right of Way (ROW) | | | |
|--|-------------------------------------|---|--|
| Yes | No | Permit or Approval | Permit or Approval |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Corps of Engineers <input type="checkbox"/> Sec. 10 <input type="checkbox"/> Sec. 404 <input type="checkbox"/> Nationwide Type _____ <input type="checkbox"/> Individual Permit No. _____ | <input type="checkbox"/> <input checked="" type="checkbox"/> Water Rights Permit <input type="checkbox"/> <input checked="" type="checkbox"/> Water Quality Certification – Section 401 Issued by _____ <input type="checkbox"/> <input checked="" type="checkbox"/> Tribal Permit(s) (if any) _____ <input checked="" type="checkbox"/> <input type="checkbox"/> Other Permits (List) <u>Right-of-way use permits, City of Renton and Tukwila; Conditional Use permit, City of Tukwila</u> <input checked="" type="checkbox"/> <input type="checkbox"/> ROW acquisition required? If yes, amount needed: <u>6,000 square feet</u> <input type="checkbox"/> <input checked="" type="checkbox"/> Is relocation required? <input type="checkbox"/> <input checked="" type="checkbox"/> Has ROW already been acquired for this project? If yes, attach responses to Appendix F in the CE Guidebook. <input type="checkbox"/> <input checked="" type="checkbox"/> Has an offer been made or have negotiations begun to acquire ROW for this project? If yes, attach responses to Appendix F in the CE Guidebook. <input type="checkbox"/> <input checked="" type="checkbox"/> Is a detour required? If yes, please attach detour information. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Coast Guard Permit | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Coastal Zone Management Certification | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Critical Areas Ordinance (CAO) Permit | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Forest Practices Act Permit | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Hydraulic Project Approval | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Local Building or Site Development Permits | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Local Clearing and Grading Permit | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | National Pollutant Discharge Elimination System (NPDES) Baseline General for Construction | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Shoreline Permit | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | State Waste Discharge Permit | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | TESC Plans Completed | |
| Other Federal Agencies - Does the project involve any federal properties, approvals or funding from other/additional federal agencies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please describe. | | | |

| Part 4 - Environmental Considerations | |
|--|--|
| Will the project involve work in or affect any of the following? Identify proposed mitigation. Attach additional pages or supplemental information if necessary. | |
| 1. Air Quality - Identify any anticipated air quality issues. | |
| <ul style="list-style-type: none"> • Is the project exempt from Air Quality conformity requirements? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, identify exemption – please refer to Appendix G in the CE Guidebook for a list of exemptions. Bicycle and pedestrian facilities. • Is the project included in the Metropolitan Transportation Plan? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, date Metropolitan Transportation Plan was adopted: <u>June 25, 2015</u> • Is the project located in an Air Quality Non-Attainment Area or Maintenance Area for carbon monoxide, ozone or PM 10? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

Part 4 - Environmental Considerations (continued)

2. Critical and Sensitive Areas

- Is this project within a sole source aquifer Yes No
If located within a sole source aquifer, is the project exempt from EPA approval?
If Yes, please list exemption: _____
If No, date of EPA approval: _____
- Will this project impact Species/Habitat other than ESA listed species? Yes No Explain your answer.
The project area provides habitat to Great Blue Heron and Bald Eagles. No nests were observed within the clearing limits of the bridge; the remainder of the project will occur in areas currently improved gravel paths (old railroad). To minimize any potential for disturbance to breeding herons outside of the immediate project area, activity restrictions will be implemented for trail construction between January 15 and August 31. Additionally, noise in the surrounding area was typical of an industrial area (Renton Concrete Recyclers, Stoneway Concrete Black River, and Rabanco Black River Transfer Station).

To comply with the Migratory Bird Treaty Act, the project will implement measures to minimize impacts to nesting birds.

The Black River and nearby Duwamish river provides habitat for salmonids including coho, sockeye, and chum. No in-water work will occur as part of this project. The new pedestrian bridge over the Black River will be 14 feet wide. The portion of the bridge spanning the OHWM of the river will be approximately 44 feet long, meaning approximately 616 square feet of the river will be affected by shading from the bridge. The bottom of the bridge deck will be at least 3 feet above the elevation of the 100-year floodplain, which is approximately 10 feet higher than the OHWM. The height of the bridge above the water will reduce the intensity of any shade-related effects. The bridge will be oriented on a north-south axis, minimizing the amount of time that any given point receives shade over the course of a day.

The effects of clearing (mostly invasive species) in the riparian area will be mitigated by replanting native vegetation at a nearby location in the riparian area of the Black River. Over the long term, the native grasses, shrubs, and trees planted at the mitigation site may provide greater ecological function than the mostly non-native vegetation that will be affected at the project site.

Is this project within one mile of a Bald Eagle nesting territory, winter concentration area or communal roost?

Yes No

Please see the attached Bald Eagle Form for more information.

- Are wetlands present within the project area? Yes No If Yes, estimate the impact in acres: 0 acres
Please attach a copy of the proposed mitigation plan.
Direct stream and wetland impacts have been completely avoided. Approximately 1 acre of native species would be planted to compensate for stream and wetland buffer impacts.

3. Cultural Resources/Historic Structures – Identify any historic, archaeological or cultural resources present within the project's Area of Potential Effects.

Does the project fit into any of the exempt types of projects listed in Appendix J of the CE Guidebook?

Yes No If Yes, note exemptions below.

If No: Date of DAHP concurrence: April 27, 2015 (original concurrence on 9-15-2011)

Date of Tribal consultation(s) (if applicable): _____

Adverse effects on cultural/historic resources? Yes No

If Yes, date of approved Section 106 MOA: _____

4. Floodplains and Floodways

Is the project located in a 100-year floodplain? Yes No

If Yes, is the project located within a 100-year floodway? Yes No

Will the project impact a 100-year floodplain? Yes No If Yes, describe impacts.

The proposed vertical alignment of the trail is adjacent to the Green and Black Rivers with a finished grade as close as possible to existing grade while still providing smooth transitions for ADA compliance and positive drainage towards the river. However, between A-Line Stations 1+00 and 12+25, approximately 217 cubic yards of fill would be placed and approximately 242 cubic yards of excavation would occur, for an overall net removal of approximately 25 cubic yards of material below the floodplain elevation. This is the only fill and excavation activity below the floodplain elevation, and the net difference will not impact floodplain storage or function.

Part 4 - Environmental Considerations (continued)

5. Hazardous and Problem Waste – Identify potential sources and type(s).

- a) Does the project require excavation below the existing ground surface? Yes No
- b) Will groundwater be encountered? Yes No
- c) Will any properties be acquired as part of this project? Yes No
- d) Is this site located in an undeveloped area (i.e. no buildings, parking, storage areas or agriculture)? Yes No
- e) Is the project located within a one-mile radius of a known Superfund Site? Yes No
- f) Is this project located within a ½-mile radius of a site or sites listed on any of the following Department of Ecology databases? Yes No If Yes, check the appropriate boxes below.
- Voluntary Cleanup Program (VCP), State Cleanup Site (SCS), or Independent Cleanup Program (ICP)
 - Underground Storage Tank (UST)
 - Leaking Underground Storage Tank (LUST)
 - Confirmed and Suspected Contaminated Sites List (CSCSL)
- g) Has site reconnaissance (windshield survey) been performed? Yes No (Please identify any properties not identified in the Ecology or ERS database search as an attachment – name, address and property use).

In the September 2012 *Lake to Sound Trail – Segment A Hazardous Materials Discipline Report*, five Ecology regulated sites, located adjacent to the proposed trail, were identified as having the potential to release contaminants to shallow soils or surface water based on their generator status or active permits. The site reconnaissance (conducted on November 2, 2015) confirmed that, with the exception of Multichem Analytical Services, the regulated sites located adjacent to the project corridor were still in operation. No spills or releases were identified for these facilities during the review of Ecology's FSID database and no evidence of spills or releases were observed during the site reconnaissance.

Based on the lack of regulated USTs and lack of suspected or confirmed spills or releases; the risk of encountering contamination from these regulated and observed facilities, located adjacent to the project corridor, is low.

- h) Based on the information above and project specific activities, is there a potential for the project to generate, acquire or encounter contaminated soils, groundwater or surface water? Yes No

Please explain: As part of the Hazardous Materials Discipline Report Addendum (dated November 3, 2015) which expands the project scope to include the construction of the pedestrian bridge; King County conducted a review of Ecology's Facility/Site Identification System (F/SID) and compared the updated review to the original screening (2012).

Based on a review of Ecology's F/SID (<http://www.ecy.wa.gov/fs/>, accessed on October 15, 2015) no National Priorities List sites (Superfund sites) were located within a one-mile radius of the project limits. A review of Ecology's F/SID revealed eight sites within ½ mile radius of the project corridor that had documented contamination. Seven of the eight sites were immediately eliminated from further consideration based on the criteria described below:

- A hazardous materials and waste professional reviewed each site using a screening process to identify sites of concern where it was likely that contamination would be encountered during excavation and/or dewatering. A site may pose a liability to the project if the site is located within close proximity (adjacent to the proposed project area), or hydraulically upgradient, or has a confirmed release of hazardous materials or petroleum products to soils or groundwater (traditionally 1/2 mile or less in distance). A ½-mile search radius was selected because it was judged to encompass areas from which contamination

could reasonably be expected to migrate to the project footprint.

- Seven of the eight sites (DJB Trucking – FS#2304, Arco Station & Mini Mart – FS#4552344, Anderson Joseph B – FS#8509656, , Becker Trucking Inc. Tukwila – FS# 17036781, Jumbo Deli – FS# 59337954, K & N Meats – FS#72559666, and Southland Facility – FS# 99853513) were considered to have a very low likelihood of adversely impacting the project and were eliminated from further consideration due to one or more of the following reasons:
 - the sites have been remediated to levels below MTCA cleanup levels, received a No Further Action (NFA) determinations from Ecology, and were not immediately adjacent to the project area;
 - the sites resulted in impacts to soil only; and/or
 - the sites were too far from the planned project area (and those activities that would encounter groundwater) with respect to groundwater flow.

The eighth facility, Graphic Packaging International Inc. – FS# 14693954 – located at 601 Monster Rd, was physically situated about 500 feet southeast of the pedestrian bridge foundations (which is the only location within the project limits where project excavations will be deep enough to encounter groundwater and any contaminants that have migrated from off-site sources). To further characterize the site, King County reviewed the City of Renton permit history for the site (<https://permitsearch.mybuildingpermit.com/SimpleSearch.aspx>, accessed on October 31, 2015) and historical aerial photographs at Historical Aerials by NETROnline (<http://www.historicaerials.com/>, accessed October 31, 2015), and contacted the Ecology Site Manager via e-mail (November 3, 2015), and had a phone interview with the Tricia Sweat the Health, Safety, and Environmental Manager of Graphic Packaging (November 3, 2015).

Based on a review of the available information, the underground vaults that resulted in a release to soil and groundwater were abandoned in place in the late 1980s (about 700 feet southeast of the bridge foundations). Between the early 1990s and 2001, a number of monitoring wells were installed on the site to determine the extent of the groundwater contamination. The Ecology LUST database notes (as provided by Donna Musa Site Manager for Ecology) stated that, in 1997, the *petroleum hydrocarbon impacts appeared to be localized around the abandoned oil/water separator (one of the underground vaults) and the adjacent monitoring wells, and that the results from the perimeter monitoring wells suggested that the impacts were generally confined to the site.* Ms. Sweat reported that a contractor was hired in October 2015 to remove the abandoned vaults (including a sanitary sewer lift vault and the oil/water separator and its associated waste tank) and the surrounding impacted soil (this statement was confirmed by the City of Renton permit summary for the site). Based on the lack of off-site migration of the detected groundwater contamination, the recent removal of the source of the groundwater contamination, and the direction of groundwater flow (westerly); it is unlikely for the project to encounter contaminated groundwater or soil as a result of off-site migration from this facility.

It is unlikely for WSDOT to assume liability for cleanup of contaminated soil or groundwater as part of this project for the following reasons:

- None of the adjacent properties appeared to have evidence of routine spills or releases to surface water or soils;
- None of the adjacent properties (regulated or otherwise) had documented releases to soil, surface water or groundwater;
- The eight sites located within ½ mile of the project limits, that were identified as having a confirmed or suspected release to soils or groundwater, were deemed unlikely to migrate contaminants into the project footprint for the following reasons:
 - the sites have been remediated to levels below MTCA cleanup levels, received a No Further Action (NFA) determinations from Ecology, and were not immediately adjacent to the project area;
 - the sites resulted in impacts to soil only;
 - groundwater impacts were confined to the site and the source was removed; and/or
 - the sites were too far from the planned project area (and those activities that would encounter

groundwater) with respect to groundwater flow.

For these reasons, it is concluded that no significant, unavoidable adverse impacts are expected to result from the proposed project. No further investigation is warranted at this time. It is recommended that a HazMat Specialist be contacted if additional project changes are made that can potentially alter the conclusions made in this updated investigation; such as the addition of other project work that requires excavations below 10 feet bgs (local groundwater elevation), realignment, or property acquisitions.

Please see the attached technical memo regarding hazardous waste property impacts dated November 3, 2015 for more information.

If you responded Yes to any of the following questions (5A – 5C, 5F and 5H), contact your Region LPE for assistance as a "Right-Sized" HazMat Analysis Report/Memorandum most likely will be required.

6. Noise

Does the project involve constructing a new roadway? Yes No

Is there a change in the vertical or horizontal alignment of the existing roadway? Yes No

Does the project increase the number of through traffic lanes on an existing roadway? Yes No

Is there a change in the topography? Yes No

Are there auxiliary lanes extending 1-½ miles or longer being constructed as part of this project? Yes No

If you answered Yes to any of the preceding questions, identify and describe any potential noise receptors within the project area and subsequent impacts to those noise receptors. Please attach a copy of the noise analysis if required.

Not applicable.

If impacts are identified, describe proposed mitigation measures.

Not applicable.

Part 4 - Environmental Considerations (continued)

7. 4(f)/6(f) Resources: parks, recreation areas, wildlife refuges, historic properties, wild & scenic rivers, scenic byways

a. Please identify any 4(f) properties within the project limits and the areas of impacts. *See attached letter updating the concurrence for the property affected by the design change JW*
The Black River Riparian Forest, a park property owned by the City of Renton; Fort Dent Park, a park property owned by the City of Tukwila; and an archaeological site, located in the north end of Fort Dent Park, eligible for listing on the National Register of Historic Places (NRHP). Please see the attached 4(f) documentation.

b. Please identify any properties within the project limits that used funds from the Land & Water Conservation Fund Act.

None

c. Please list any Wild and Scenic Rivers and Scenic Byways within the project limits.

None

| |
|---|
| <p>8. Agricultural Lands – Are there agricultural lands within 300 feet of the project limits? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, describe impacts:</p> <p style="margin-left: 40px;">Are impacted lands considered to be unique and prime farmland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, date of project review by Natural Resource Conservation Service (NRCS): _____</p> |
| <p>9. Rivers, Streams (continuous or intermittent) or Tidal Waters</p> <p>a. Identify all waterbodies within 300 feet of the project limits or that will otherwise be impacted. Green River (09.0001) Black River (09.0004)</p> <p>b. Identify stream crossing structures by type. The Black and Green Rivers are both located in WRIA 9. The proposed trail alignment is adjacent to the south side of the Black River and will cross over the Black River on a new pedestrian bridge.</p> |
| <p>10. Tribal Lands – Identify whether the project will impact any Tribal lands, including reservation, trust and fee lands. Please do not list usual and accustomed area. Not applicable.</p> |
| <p>11. Water Quality/Stormwater</p> <p>Will this project's proposed stormwater treatment facility be consistent with the guidelines provided by either WSDOT's HRM, DOE's stormwater management manual for eastern/western Washington or a local agency equivalent manual? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, explain proposed water quality/quantity treatment for the new and any existing impervious surface associated with the proposed project. Amount of existing impervious surface within the project limits: <u>54,450 square feet (1.25 acres)</u> Net new impervious surface to be created as a result of this project: <u>37,424 square feet (0.86 acres)</u></p> <p>The trail is considered a non-pollutant generating surface. It is exempt from flow control in both the cities of Renton and Tukwila because the proposed land cover does not increase the 100-year peak flow to equal to or greater than 0.1 cubic feet per second. The trail has been designed to direct runoff to the river side of the trail for dispersion as sheet flow.</p> |
| <p>Part 4 - Environmental Considerations (continued)</p> |
| <p>12. Previous Environmental Commitments Describe previous environmental commitments that may affect or be affected by the project – if any.</p> <p>The cities of Renton and Tukwila will be responsible for long-term maintenance of the trail; however, King County will maintain it until an agreement is reached (please see the Long-Term Maintenance Commitment Letter dated and signed February 12, 2013).</p> |

13. Environmental Justice

Does the project meet any of the exemptions noted in Appendix L of the CE Documentation Guidebook?

Yes No

If Yes, please note the exemption and appropriate justification in the space below.

If No, are minority or low-income populations located within the limits of the project's potential impacts?

Yes No If No, attach appropriate data to support findings. If Yes, describe impacts and attach appropriate supporting documentation. Findings should be confirmed using at least two information sources. Please refer to the CE Guidebook for more information.

King County reviewed Washington State Report Card and an EPA summary of United States Census Bureau American Community Survey (ACS), 2008-2012, data for low income and minority populations within ½ mile of the project limits. Based on the school data, 80.7 percent of the students at the closest elementary school qualify for free or reduced price meals and the school has a total minority population of 95.9 percent. The ACS data indicated that 80 percent of the study area population consisted minority populations and 24 percent of the population (5 years or older) speaks English "less than very well" (which is above the LEP threshold of 5 percent of the population). Exceedance of the LEP threshold for people in the study area requires public outreach. As such, future outreach will include: updates and information on the King County website and signs posted on site to communicate the project details in Vietnamese, Tagalog, Chinese and Spanish.

Because the right of way acquisitions are from railroad companies, there are no relocations or detours, a public outreach plan will be developed and implemented to include the needs of minority populations, and the project will affect non-motorized users equally; King County does not anticipate any adversely high and disproportionate effects from this project on any minority or low-income populations identified in the area. We conclude that the project meets the provisions of Executive Order 12898 and Executive Order 13166, as supported by Title VI of the Civil Rights Act of 1964.

Part 5 - Biological Assessments and EFH Evaluations

1. Do any listed species potentially occur in the project's action area and/or is any designated critical habitat present within the project's action area? Yes No Attach species listings.

| Affected ESA Listed Species | 2. Will any construction work occur within 0.5 mile of any of the following? | 3. Does the project involve blasting, pile driving, concrete sawing, rock-drilling or rock-scaling activity within one mile of any of the following? |
|---|--|--|
| Oregon Spotted Frog proposed critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Yellow-billed Cuckoo suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Spotted Owl management areas, designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Marbled Murrelet nest or occupied stand, designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Western Snowy Plover designated critical habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is the project within 0.5 mile of marine waters? If Yes explain potential effects on | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

| | | |
|---|---|---|
| Killer Whales and on Marbled Murrelet foraging areas. | | |
| Killer Whale designated critical habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Grizzly Bear suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Gray Wolf suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Canada Lynx habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Columbia White-tailed Deer suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Woodland Caribou habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Streaked Horned Lark designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Taylor's Checkerspot designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Mazama Pocket Gopher designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Eulachon designated critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Rockfish proposed critical habitat or suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| A mature coniferous or mixed forest stand? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Will the project involve any in-water work? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. Will any construction work occur within 300 feet of any perennial or intermittent waterbody that either supports or drains to waterbody supporting listed fish? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Will any construction work occur within 300 feet of any wetland, pond or lake that is connected to any permanent or intermittent waterbody? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Does the action have the potential to directly or indirectly impact designated critical habitat for salmonids (including adjacent riparian zones)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 8. Will the project discharge treated or untreated stormwater runoff or utilize water from a waterbody that supports or drains into a listed-fish supporting waterbody? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Will construction occur outside the existing pavement? If Yes go to 9a. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9a. Will construction activities occurring outside the existing pavement involve clearing, grading, filling or modification of vegetation or tree-cutting? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10. Are there any Federally listed Threatened or Endangered plant species located within the project limits? If Yes, please attach a list of these plant species within the action area. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 11. Does a mature coniferous or mixed forest stand occur within 200' of the project site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Analysis for No Effects Determination – If there are any Yes answers to questions in Part 5, additional analysis is required. Attach additional sheets if needed.</p> <p>An analysis under the Endangered Species Act determined that the project will have No Effect on listed species or critical habitat, and No Adverse Effect on Essential Fish Habitat. The only listed species with the potential to occur in the project area are salmonids which will not be present in the project area during the summer months due to unfavorable river conditions. In addition, no in-water work is proposed. Effects to critical habitat are not expected because riparian habitat in the project area is poor quality, and effects to this habitat during project construction have been minimized. Please see the attached analysis for additional details.</p> | | |

Analysis for RRMP ESA 4(d) determination for NMFS – A local agency must be certified by the Regional Road Maintenance Forum to utilize 4(d).

Maintenance Category (check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> 1. Roadway Surface | <input type="checkbox"/> 6 Stream Crossings | <input type="checkbox"/> 11. Emergency Slide/Washout Repair |
| <input type="checkbox"/> 2. Enclosed Drainage Systems | <input type="checkbox"/> 7. Gravel Shoulders | <input type="checkbox"/> 12. Concrete |
| <input type="checkbox"/> 3. Cleaning Enclosed Drainage Systems | <input type="checkbox"/> 8. Street Surface Cleaning | <input type="checkbox"/> 13. Sewer Systems |
| <input type="checkbox"/> 4. Open Drainage Systems | <input type="checkbox"/> 9. Bridge Maintenance | <input type="checkbox"/> 14. Water Systems |
| <input type="checkbox"/> 5. Watercourses and Streams | <input type="checkbox"/> 10. Snow and Ice Control | <input type="checkbox"/> 15. Vegetation |

Describe how the project fits in the RRMP 4(d) Program:

Effect Determinations for ESA and EFH

If each of the questions in the preceding section resulted in a "No" response or if any of the questions were checked "Yes," but adequate justification can be provided to support a "no effect" determination, then check "No Effect" below. If this checklist cannot be used for Section 7 compliance (i.e., adequate justification cannot be provided or a "may effect" determination is anticipated), a separate biological assessment document is required.

| | | | |
|--|-------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> No Effect | NMFS <u>12/29/15</u> | USFWS <u>12/30/15</u> | EFH Determination |
| <input type="checkbox"/> NLTAA - Date of Concurrence _____ | _____ | _____ | <input checked="" type="checkbox"/> No Adverse Effect |
| <input type="checkbox"/> LTAA - Date BO Issued _____ | _____ | ; | <input type="checkbox"/> Adverse Effect - Date of NMFS concurrence _____ |
| <input type="checkbox"/> RRMP 4(d) _____ | _____ | _____ | |

Part 6 - FHWA Comments

Empty box for FHWA comments.



Local Agency Environmental Classification Summary

| Part 1 Project Description | | | |
|---|-------------------------------|--|--|
| Federal Aid Project Number CM2017(110) | Route Near State Route 900 | Date 9-12-2012 | Intent of Submittal <input type="checkbox"/> Preliminary <input checked="" type="checkbox"/> Final <input type="checkbox"/> Re-Evaluate |
| Agency King County Department of Transportation | | Federal Program Title <input type="checkbox"/> 20.205 <input checked="" type="checkbox"/> Other | |
| Project Title Lake to Sound Trail - Segment A | | | |
| Beginning MP _____ | Townships <u>23 N</u> | | |
| Ending MP _____ | Ranges <u>04 E</u> | | |
| Miles <u>1.1</u> | Sections <u>13</u> | | |
| County King County | | | |
| Project Description - Describe the proposed project, including the purpose and need for the project. This project develops preliminary engineering for the construction of a multi-purpose, non motorized route for "Segment A" of the Lake to Sound Trail. Segment A travels through the Black Forest from Naches Avenue SW (Renton) to arrive at Fort Dent Park (Tukwila). | | | |

| Part 2 Environmental Classification | |
|--|--|
| <p>NEPA</p> <p><input type="checkbox"/> Class I - Environmental Impact Statement (EIS)</p> <p><input checked="" type="checkbox"/> Class II - Categorical Excluded (CE)</p> <p>CE Type (from 23 CFR 771.117) <u>(a)(3)</u></p> <p><input checked="" type="checkbox"/> Projects Requiring Documentation (Documented CE) (LAG 24.22)</p> <p><input type="checkbox"/> Programmatic CE MOU</p> <p><input type="checkbox"/> Class III - Environmental Assessment (EA)</p> | <p>SEPA</p> <p><input type="checkbox"/> Categorically exempt per WAC 197-11-800</p> <p><input checked="" type="checkbox"/> Determination of Non-Significance (DNS)</p> <p><input type="checkbox"/> Environmental Impact Statement (EIS)</p> <p><input type="checkbox"/> Adoption</p> <p><input type="checkbox"/> Addendum</p> <p><input type="checkbox"/> Supplemental (For informational purpose only)</p> |

NEPA Approval Signatures

Local Agency Approving Authority

9/17/12
Date

Regional Local Programs Engineer

12/11/12
Date

Highways and Local Programs Environmental Engineer

9/14/13
Date

Federal Highway Administration

8/20/13
Date

| | | |
|---|---|---|
| Completed By (Print Official's Name) Tina Morehead | Telephone (include area code) 206-296-3733 | Fax (include area code) 206-296-0567 |
| | | E-mail tina.morehead@kingcounty. |

Part 3 Permits and Approvals Required

| Yes | No | Permit or Approval | Yes | No | Permit or Approval |
|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Corps of Engineers <input type="checkbox"/> Nationwide Type <input type="checkbox"/> Individual Permit No. _____ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Water Rights Permit |
| | | <input type="checkbox"/> Sec. 10 <input type="checkbox"/> Sec. 404 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Water Quality Certification - Sec. 401 Issued by _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Coast Guard Permit | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Tribal Permit(s), (if any) _____ _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Coastal Zone Management Certification | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other Permits (List): <u>Right of Way Use Permits - Cities of Renton and Tukwila; Conditional Use Permit - City of Tukwila</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Critical Area Ordinance (CAO) Permit | <input checked="" type="checkbox"/> | <input type="checkbox"/> | ROW acquisition required? If yes, amount needed <u>6,000 SF</u> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Forest Practice Act Permit | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is relocation required? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Hydraulic Project Approval | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Has ROW already been acquired for this project? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Local Building or Site Development Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is a detour required? If yes, please attach detour information. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Local Clearing and Grading Permit | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | National Pollutant Discharge Elimination System (NPDES) Baseline General for Construction | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Shoreline Permit | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | State Waste Discharge Permit | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | TESC Plans Completed | | | |

Part 4 Environmental Considerations

Will the project involve work in or affect any of the following? Identify proposed mitigation. Attach additional pages or supplemental information if necessary.

1. Air Quality - Identify any anticipated air quality issues.

Is the project included in the Metropolitan Transportation Plan? Yes No
 If Yes, date Metropolitan Transportation Plan was adopted. 10/1/10
 Is the project located in an Air Quality Non-Attainment Area or Maintenance Area for carbon monoxide, ozone, or PM10? Yes No
 Is the project exempt from Air Quality conformity requirements? Yes No
 If yes, identify exemption, please refer to appendix H in the ECS Guidebook for the list of exemptions:
 Air Quality: Bicycle and pedestrian facilities (ECS Guidebook, October 4, 2011)

2. Critical/Sensitive Areas - Identify any known Critical or Sensitive Areas as designated by local Growth Management Act ordinances.

a. Is this project within
 an aquifer recharge area Yes No
 a wellhead protection area Yes No
 a sole source aquifer Yes No

If located within a sole source aquifer, is the project exempt from EPA approval?
 If yes, please list exemption _____
 If no, date of EPA approval _____

b. Is this project located in a Geologically Hazardous Area? Yes No If yes, please describe _____

c. Will this project impact Species/Habitat other than ESA listed species? Yes No Explain your answer

The project area provides habitat to Bald Eagle and Great Blue Heron. Impacts to habitat will be minimized by locating the proposed improvements in the areas where paths and gravel roads already exist.

Is the project within Bald Eagle nesting territories, winter concentration areas or bald eagle communal roosts?
 Yes No

Will blasting, pile driving, concrete saw cutting, rock drilling, or rock scaling activities occur within one mile of a Bald Eagle nesting area? Yes No

Part 4 Environmental Considerations - Continued

d. Are wetlands present within the project area? Yes No If Yes, estimated area of impact in acre(s): 0.9
Please attach a copy of the proposed mitigation plan.

3. Cultural Resources/Historic Structures - Identify any historic, archaeological, or cultural resources present within the project's area of potential effects.

Does the project fit into any of the exempt types of projects listed in Appendix C of the ECS Guidebook
 Yes No If Yes, note exemption below.

If No: Date of DAHP concurrence 9/15/11
Date of Tribal consultation(s) (if applicable) 8/14/11
Adverse affects on cultural/historic resources? Yes No
If Yes, date of approved Section 106 MOA _____

4. Floodplains and Floodways

Is the project located in a 100-year floodplain? Yes No
If yes, is the project located in a 100-year floodway? Yes No
Will the project impact a 100-year floodplain? Yes No If Yes, describe impacts.

The floodplains of the Green River and the Black River are located adjacent to the trail alignment from Station 1+00 at the connection to the Green River Trail to Station 14 + 86 near Monster Road. The proposed design provides on-site compensatory storage through a combination of cut and fill in the floodplain and additional excavation adjacent to the existing trail. The project will provide a net cut of 58 cubic yards below the floodplain elevation. See the attached memo on Floodplain Impact Analysis dated October 2011.

5. Hazardous and Problem Waste - Identify potential sources and type.

Does this project require excavation below the existing ground surface? Yes No
Is this site located in an undeveloped area (i.e., no buildings, parking or storage areas, and agriculture (other than grazing), based on historical research? Yes No
Is this project located within a one-mile radius of a site of a Confirmed or Suspected Contaminated Sites List (CSCSL) maintained by Department of Ecology? Yes No
Is this project located within a 1/2-mile radius of a site or sites listed on any of the following Department of Ecology Databases? Yes No If yes, check the appropriate box(es) below.
 Voluntary Cleanup Program (VCP)
 Underground Storage Tank (UST)
 Leaking Underground Storage Tank (LUST)
Has site reconnaissance (windshield survey) been performed? Yes No
If so identify any properties not identified in the database search that may affect the project (name, address and property use).

Please see the attached technical memo regarding hazardous waste property impacts dated September __, 2012.

Based on the information above and project specific activities, is there a potential for the project to generate contaminated soils and/or groundwater? Yes No

Please explain:

No reported release sites were identified adjacent to the project corridor in the regulatory agency database search. Due to distance of regulated sites from the project corridor, lack of regulated USTs and suspected or confirmed spills or releases, and minimal amount of ground excavation, the risk of encountering contamination is low. See the attached Hazardous Materials Discipline Report dated September 2012.

If you responded yes to any of the above questions contact your Region LPE for assistance before continuing with this form.

Part 4 Environmental Considerations - Continued

6. Noise

Does this project involve constructing a new roadway? Yes No

Is there a change in the vertical or horizontal alignment of the existing roadway? Yes No

Does this project increase the number of through traffic lanes on an existing roadway? Yes No

Is there change in the topography? Yes No

Are auxiliary lanes extending 1-1/2 miles or longer being constructed as part of this project? Yes No

If you answered yes to any of the preceding questions, identify and describe any potential noise receptors within the project area and subsequent impacts to those noise receptors. Please attach a copy of the noise analysis if required.

Not applicable.

If impacts are identified, describe proposed mitigation measures.

Not applicable.

7. Parks, Recreation Areas, Wildlife Refuges, Historic Properties, Wild and Scenic Rivers/Scenic Byways, or 4 (f)/6 (f).

a. Please identify any 4(f) properties within the project limits and areas of impacts.

The project would use portions of two Section 4(f) properties, the Black River Riparian Forest and Fort Dent Park. Please see the attached Lake to Sound Segment A Section 4(f) Evaluation.

b. Please identify any 6(f) properties within the project limits and areas of impact.

None

c. Please list wild scenic rivers and scenic byways.

None

8. Resource Lands - Identify any of the following resource lands within 300 feet of the project limits and those otherwise impacted by the project.

a. Agricultural Lands Yes No If yes, please describe all impacts.

Not applicable.

If present, is resource considered to be prime and unique farmland? Yes No

If Yes, date of approval from Natural Resources Conservation Service (NRCS) _____

b. Forest/Timber Yes No If yes, please describe all impacts.

The project is located adjacent to the Black River Riparian Forest, a relatively undisturbed riparian hardwood forest. Approximately 0.9 acres of riparian-wetland area will be cleared, however this area is largely free from trees and is not expected to reduce species diversity or result in substantial reduction in plant cover in the 88-acre study area.

c. Mineral Yes No If yes, please describe all impacts.

Part 4 Environmental Considerations - Continued

9. Rivers, Streams (Continuous, Intermittent), or Tidal Waters

a. Identify all waterbodies within 300 feet of the project limits or that will otherwise be impacted.

Fisheries WA Stream No. _____ Ecology 303d Report No. _____
(if known) Reason for 303d listing Fecal coliform
Date of Report 1/1/08

Waterbody common name Black River and the Green River

b. Identify stream crossing structures by type.

The Green and Black Rivers are both in WRIA 9. The project will create non-motorized improvements on the east side of the existing Monster Road Bridge over the Black River (WRIA 09.0004).

c. Water Resource Inventory Area (WRIA) No. & Name 9 Duwamish-Green

10. Tribal Lands - Identify whether the project will impact any Tribal lands, including reservation, trust and fee lands.

None.

11. Visual Quality

Will the project impact roadside classification or visual aspects such as aesthetics, light, glare or night sky.

Yes No If Yes, please identify the impacts.

12. Water Quality/Storm Water

Has NPDES municipal general permit been issued for this WRIA? Yes No

Amount of existing impervious surface within project limits: 54,450 square feet (1.25 acres)

Net new impervious surface to be created as a result of project: 36,344 square feet (0.83 acre)

Will this project's proposed stormwater treatment facility be consistent with the guidelines provided by either WSDOT's HRM, DOE's western or eastern Washington stormwater manuals, or a local agency equivalent manual? Yes No

If no, explain proposed water quality/quantity treatment for new and any existing impervious surface associated with proposed project.

The trail is exempt from flow control in both the cities of Renton and Tukwila because the proposed land cover does not increase the 100-year peak flow of equal to or more than 0.1 cubic feet per second. However, the trail has been designed to direct stormwater to the river side of the trail for dispersion as sheet flow. The trail is considered a non-pollutant generating surface.

Part 4 Environmental Considerations - Continued

13. Commitments

a. Environmental Commitments

- Describe existing environmental commitments that may affect or be affected by the project - If any.

None.

b. Long-Term Maintenance Commitments

- Identify the agency and/or department responsible for implementing maintenance commitments associated with this project.

The cities of Renton and Tukwila will be responsible for long-term maintenance of this trail.

King County will maintain until an agreement is reached
8/13/13

14. Environmental Justice

Does the project meet any of the exemptions, as noted in Appendix F of the ECS Guidebook Yes No
 If Yes, Please note exemption and appropriate justification in the space below. Findings should be confirmed using at least two information sources. Refer to ESC Guidebook for more information.

Exemption 7: Installation of bicycle and pedestrian lanes, paths and facilities within the existing right of way limits.

If no, are minority and/or low income populations located within the limits of the project's potential impacts?

Yes No If no, attach appropriate data to support finding. If yes, describe impacts and attach appropriate supporting documentation.

Part 5 Biological Assessment and EFH Evaluations

1. Do any listed species potentially occur in the project's action area and/or is any designated critical habitat within the project's action area? Yes No Please attach species listings.

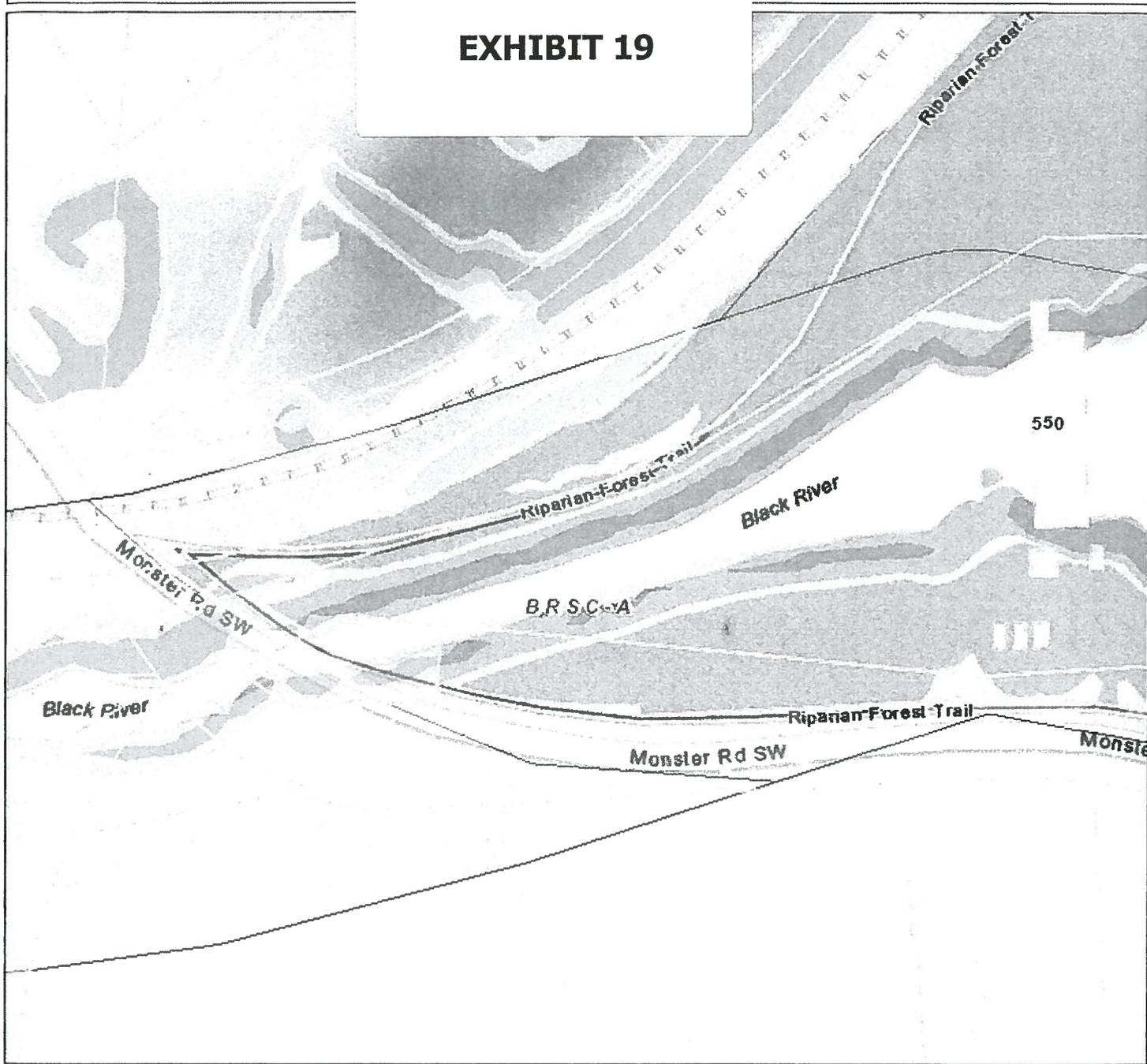
| Affected ESA Listed Species | 2. Will any construction work occur within 0.5 miles of any of the following: | 3. Does the project involve blasting, pile driving, concrete sawing, rock drilling, or rock scaling activities within 1 mile of any of the following? |
|---|---|---|
| Spotted Owl management areas (CSAs, MOCAs, designated critical habitat, and/or potentially suitable nesting/roosting/foraging habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Marbled Murrelet nest or occupied stand, designated critical habitat and/or potentially suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Western Snowy Plover designated critical habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is the project within 0.5 miles of marine waters? If yes explain potential effects on Killer Whales and Steller's Sea Lion, and on Marbled Murrelet Foraging areas. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Killer Whale designated critical habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Grizzly bear potentially suitable habitat? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Part 6 FHWA Comments

Use Supplement Sheet if additional space is required to complete this section.

LUA15-000257 Segment A, Lake to Sound, Slopes

EXHIBIT 19



Notes

None



128 0 64 128 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

Legend

City and County Boundary

- Other
- City of Renton

Addresses

Parcels

- 1st Floor
- 1st Floor
- 2nd Floor
- 1st Floor
- Other Buildings

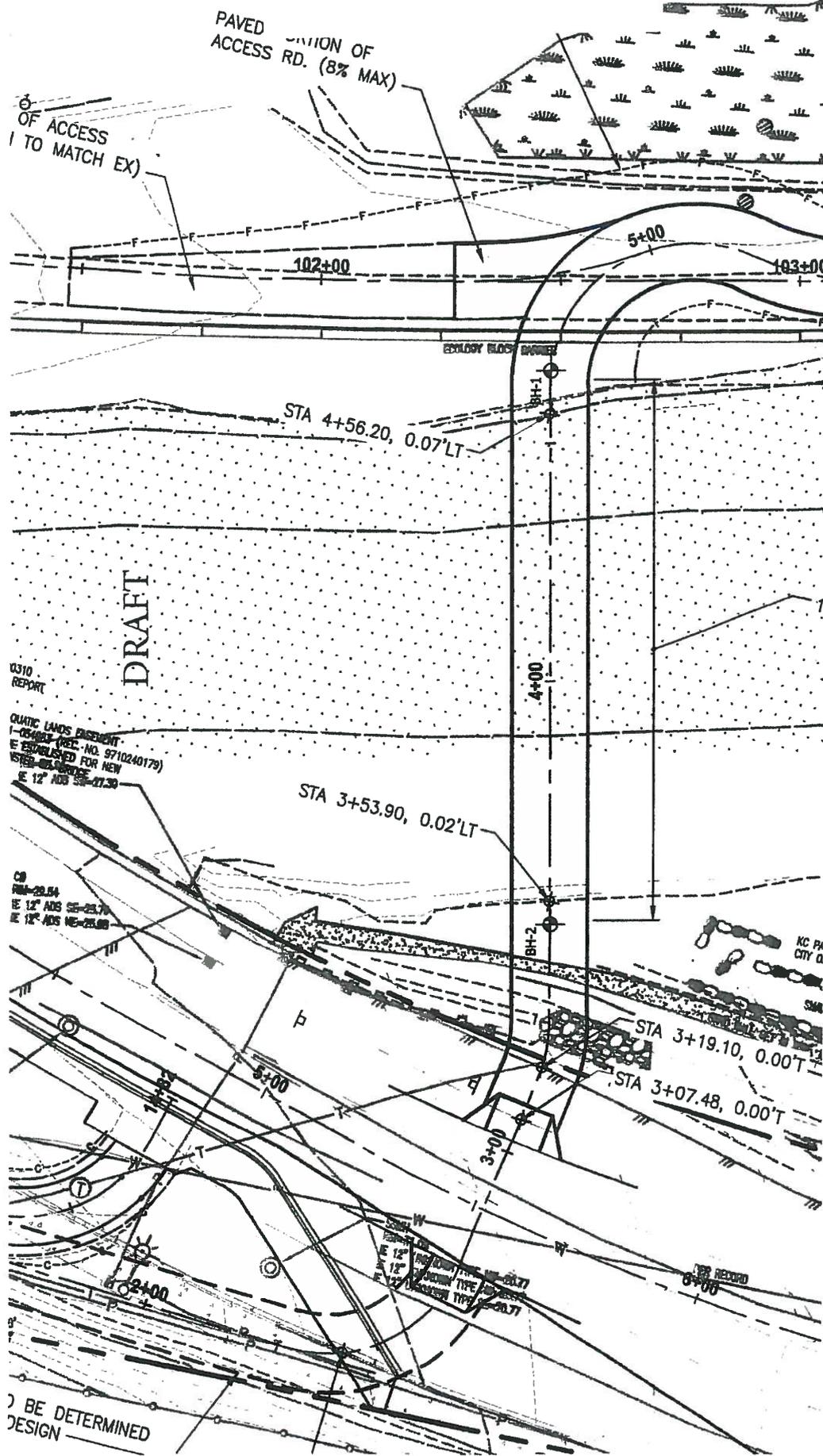
- >25% & <=40% (Sensitive)
- >40% & <=90% (Protected)
- >90% (Protected)

Environment Designations

- Natural
- Shoreline High Intensity
- Shoreline Isolated High Intensity
- Shoreline Residential
- Urban Conservancy

Jurisdictions

EXHIBIT 20



| | |
|-----------|----------|
| FIGURE # | 2 |
| PROJECT # | 2010-100 |
| DATE | 01.20.15 |
| TASK | TASK 200 |

SITE AND EXPLORATION PLAN

BLACK RIVER BRIDGE LAKE TO SOUND TRAIL RENTON, WASHINGTON

HWA GEOSCIENCES INC.



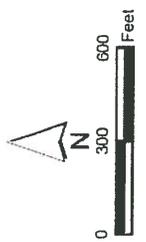
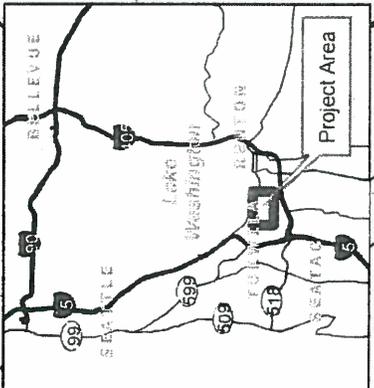
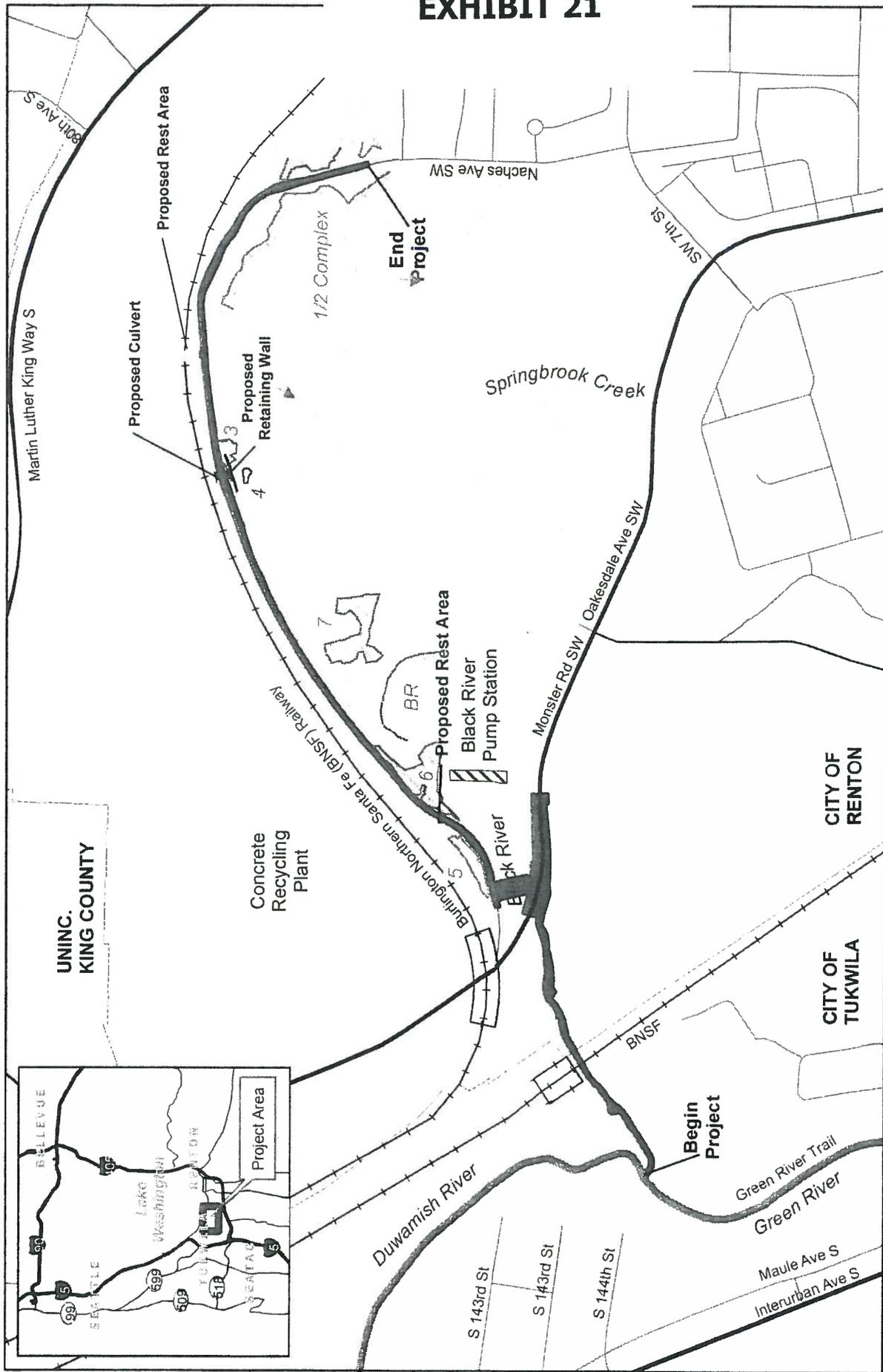
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BORING APPROXIMATE LOCATION AND DESIGNATION

BH-2

EXHIBIT 21



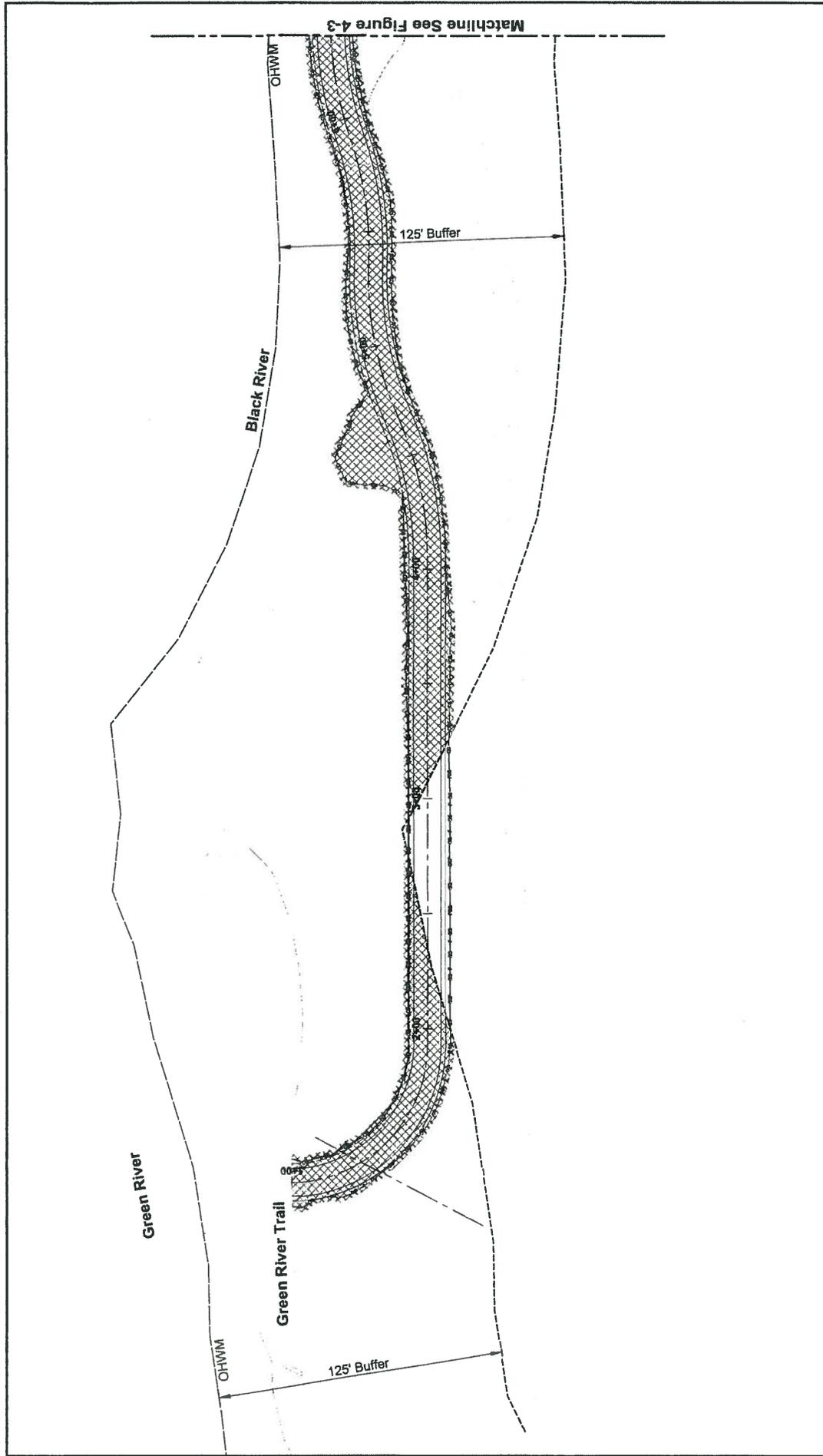
Legend:

- Proposed Trail
- Existing Trail
- City Boundary
- Railroad
- Black River Riparian Forest
- Wetlands

Figure 1-2
Site Location
Lake to Sound Trail — Segment A

Sources: King County, City of Renton, WDFW 2014, WSDOT.

Parametrix



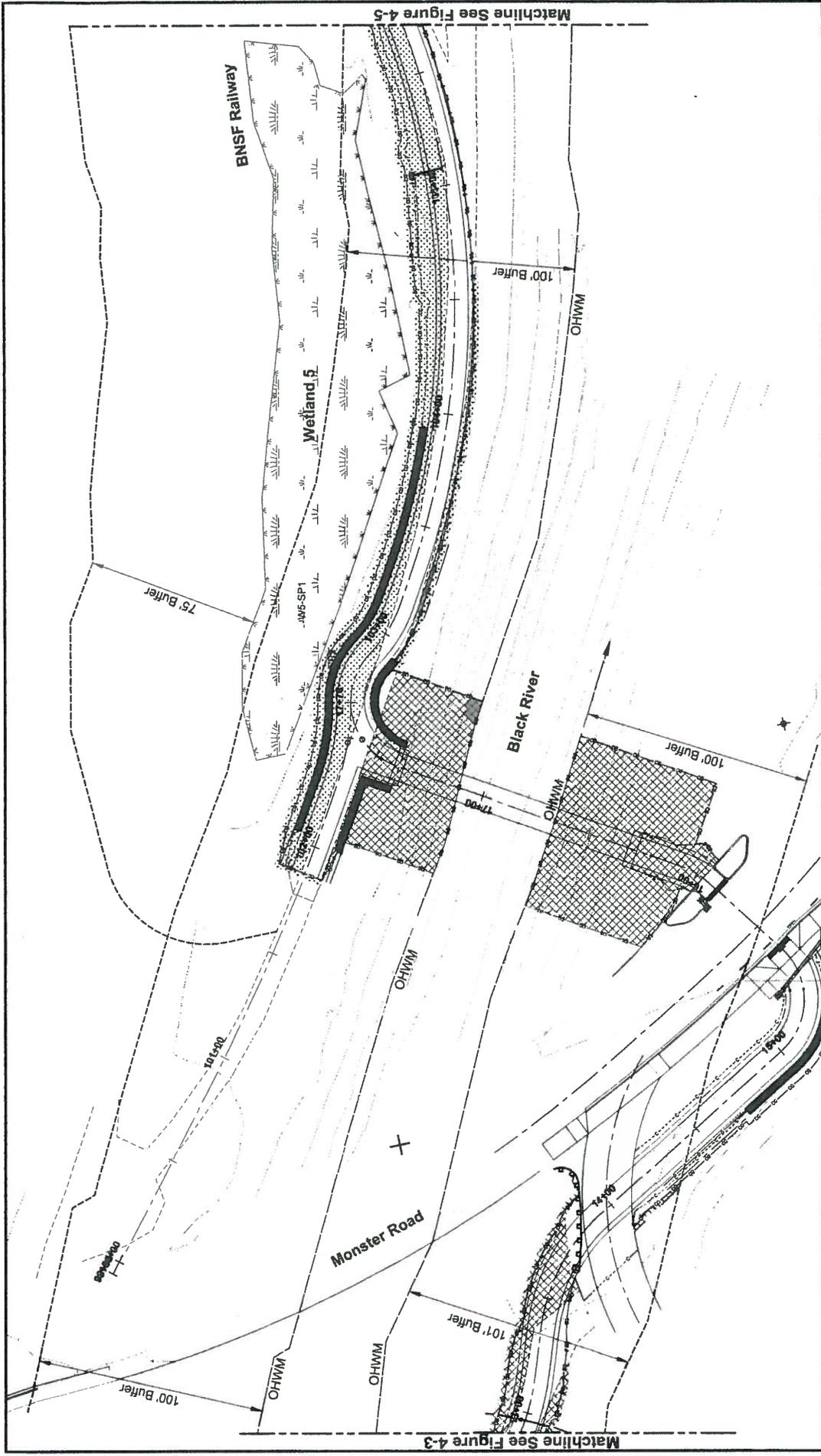
Parametrix DATE: April 13, 2015 FILE: BL1031661041312008_1004.dwg

Legend:

- Wetland/Stream Buffer
- Wetland Boundary
- Drainage
- Clear and Grubbing
- Fill Line
- Cut Line
- Existing Asphalt
- Proposed Trail
- Wetland/Stream Buffer Permanent Impact
- Wetland/Stream Buffer Temporary Impact
- Stream Buffer Permanent Impact
- Stream Buffer Temporary Impact
- Wetland/Stream Buffer Permanent Impact
- Wetland/Stream Buffer Temporary Impact
- Stream Buffer Permanent Impact
- Stream Buffer Temporary Impact

0 40
 SCALE IN FEET

Figure 4-2
Stream Buffer Impacts
 Lake to Sound Trail – Segment A



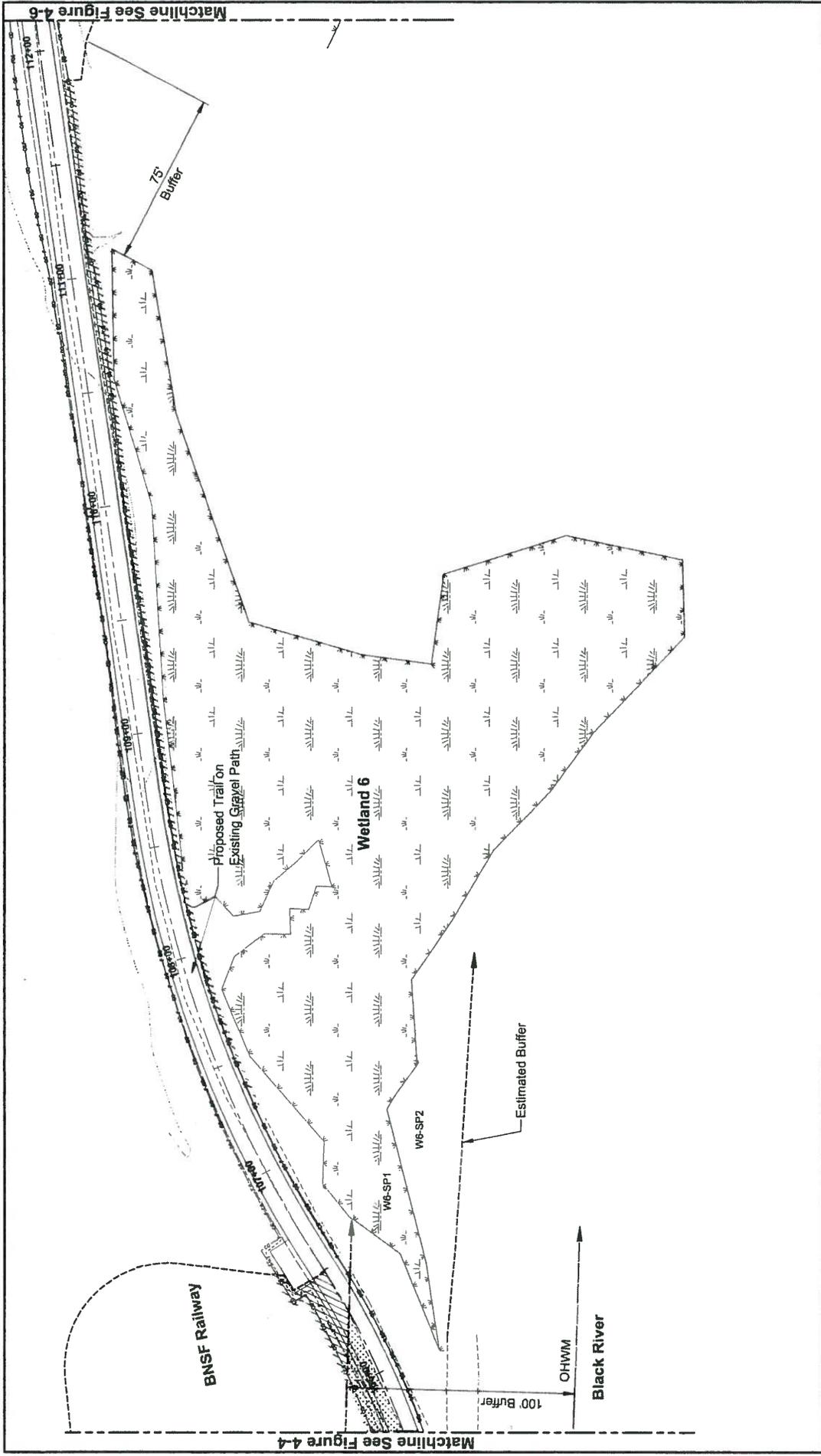
Parametrix DATE: April 13, 2015 P.A.E./B.L./S.J./M.P./T.J./D.W.B. 00449

Legend:

- Wetland/Stream Buffer
- Wetland Boundary
- Drainage
- Clear and Grubbing
- Fill Line
- Cut Line
- Existing Asphalt
- Proposed Trail
- Wetland Buffer Permanent Impact
- Wetland Buffer Temporary Impact
- Stream Buffer Permanent Impact
- Stream Buffer Temporary Impact
- Wetland/Stream Buffer Permanent Impact
- Wetland/Stream Buffer Temporary Impact
- Stream Buffer Permanent Impact
- Stream Buffer Temporary Impact

Figure 4-4
Stream Buffer Impacts
 Lake to Sound Trail - Segment A

0 40
 SCALE IN FEET



Parametrix DATE: April 11, 2015 FILE: BA150106PATT3000_C03-4-6

Legend:

- Wetland/Stream Buffer
- Wetland Boundary
- Drainage
- Clear and Grubbing
- Fill Line
- Cut Line
- Existing Asphalt
- Proposed Trail
- Wetland Buffer Permanent Impact
- Wetland Buffer Temporary Impact
- Stream Buffer Permanent Impact
- Stream Buffer Temporary Impact
- Wetland/Stream Buffer Permanent Impact
- Wetland/Stream Buffer Temporary Impact

Figure 4-5
Stream Buffer Impacts
 Lake to Sound Trail - Segment A

0 40
 SCALE IN FEET

EXHIBIT 23

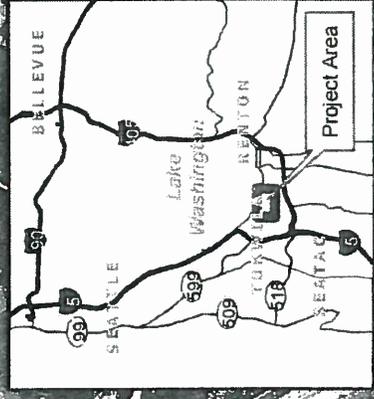
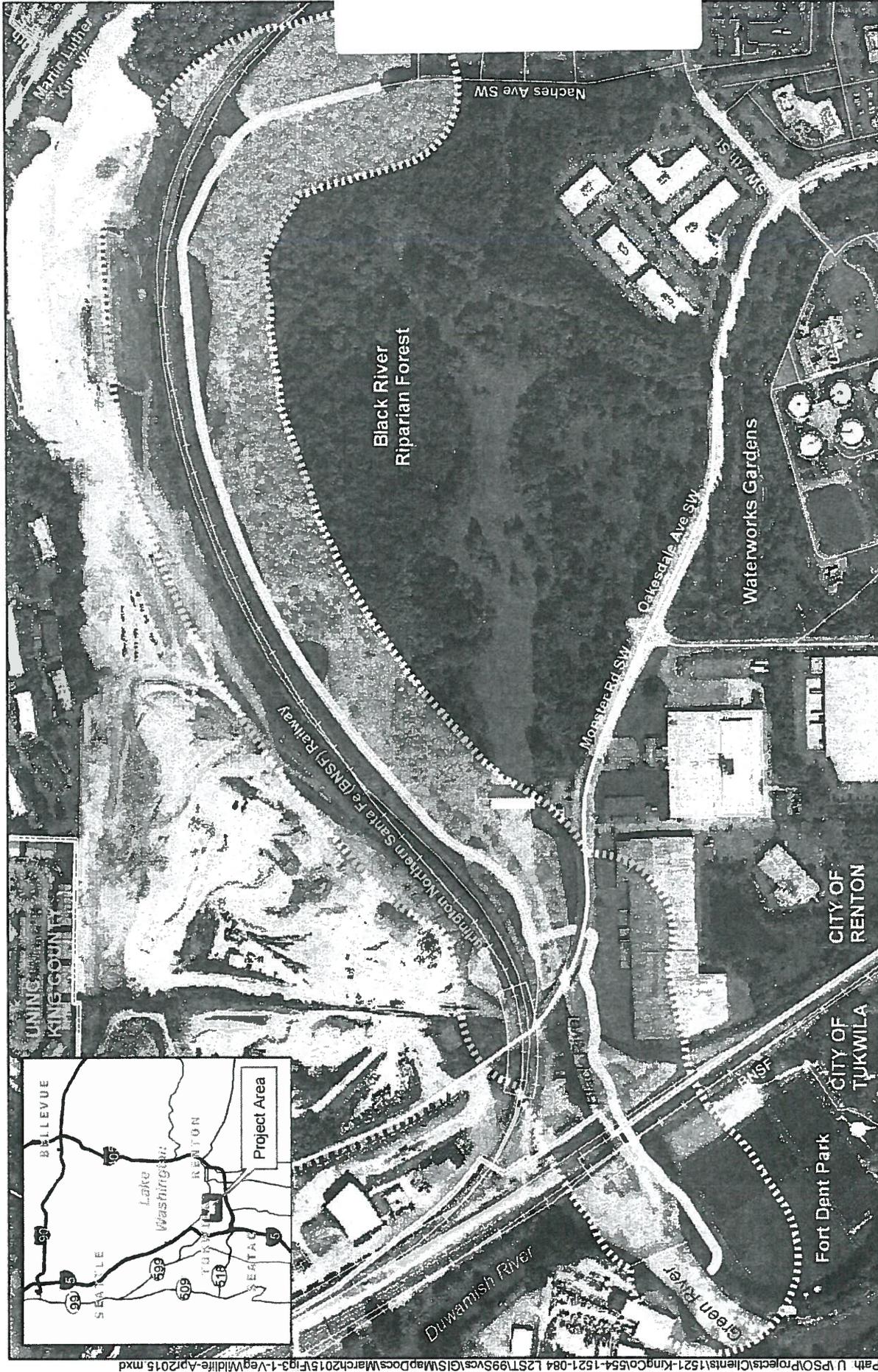


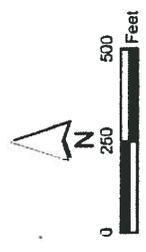
Figure 3-1
Vegetation and Wildlife
Study Area Base Map
 Lake to Sound Trail — Segment A

| Land Cover Type | Vegetation and Wildlife Study Area |
|--------------------|------------------------------------|
| Riparian-Wetland | Proposed Trail Alignment |
| Herbaceous Wetland | City Boundary |
| Urban | |
| Open Water | |

Sources: King County, City of Renton, Parametrix, WSDOT, Aerials Express 2009

Legend:

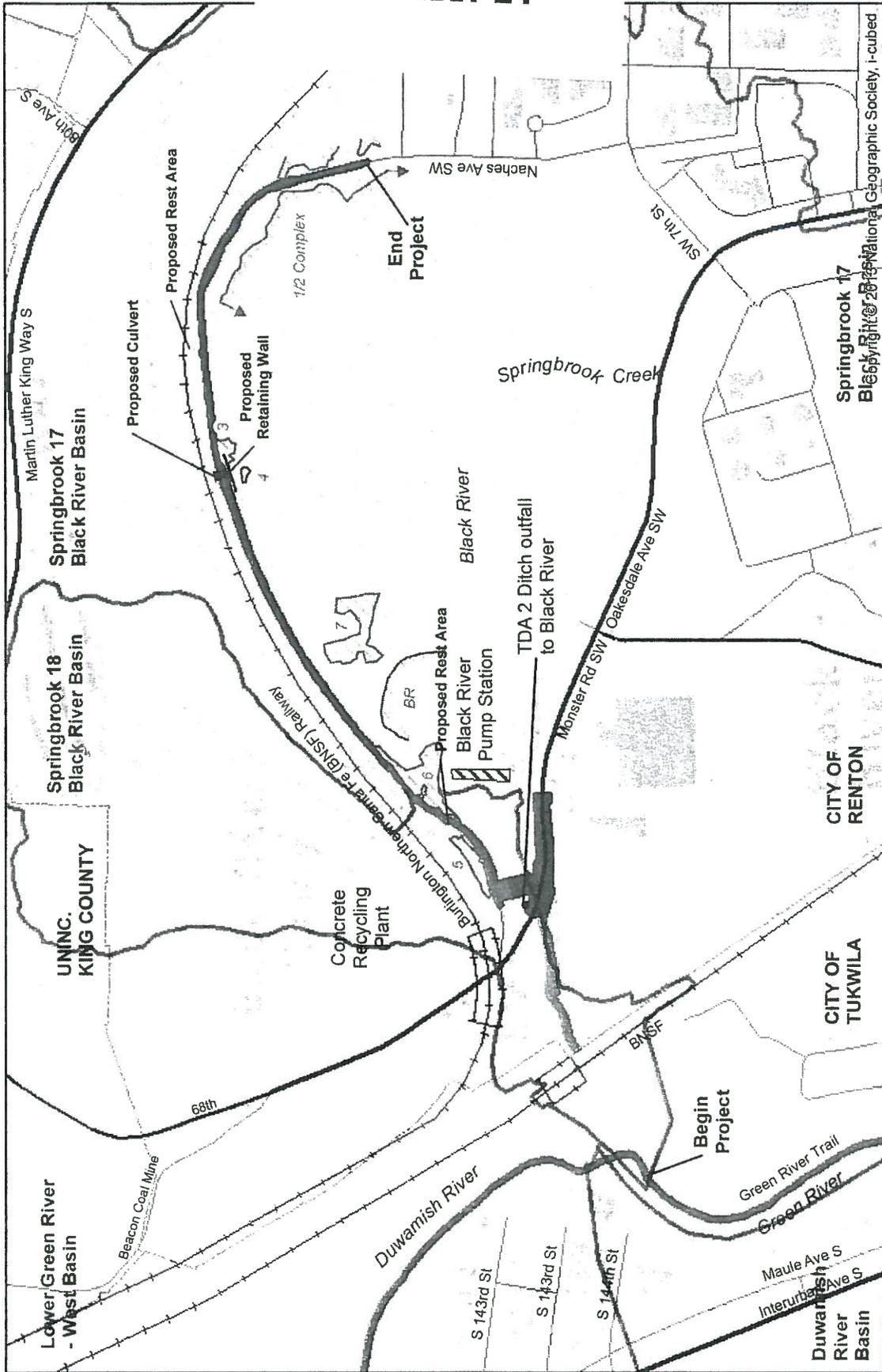
- Proposed Trail Alignment
- City Boundary



Parametrix

Path: U:\PSOP\Projects\Clients\1521-KingCo\654-1521-084 L2ST\99Svcs\GIS\MapDocs\March2015\Fig3-1-VegWildlife-Apr2015.mxd

EXHIBIT 24



Path U:\P\SO\Projects\Clients\15271-KingCo\554-1521-084 L2ST199S\GIS\MapDocs\Fig1-3TR-Drm-Bx11Apr2015.mxd

Sources: King County, City of Renton, WDFW 2014, WSDOT.

Legend:

- TDA 1a-Tukwila
- TDA 1b-Renton
- TDA 2
- TDA 3
- TDA 4
- TDA 5
- Existing Trail
- City Boundary
- Railroad
- Subbasin
- Weilands
- Black River Riparian Forest
- Floodway
- Floodplains (100-year)
- Black River Riparian Forest



Figure 1-3

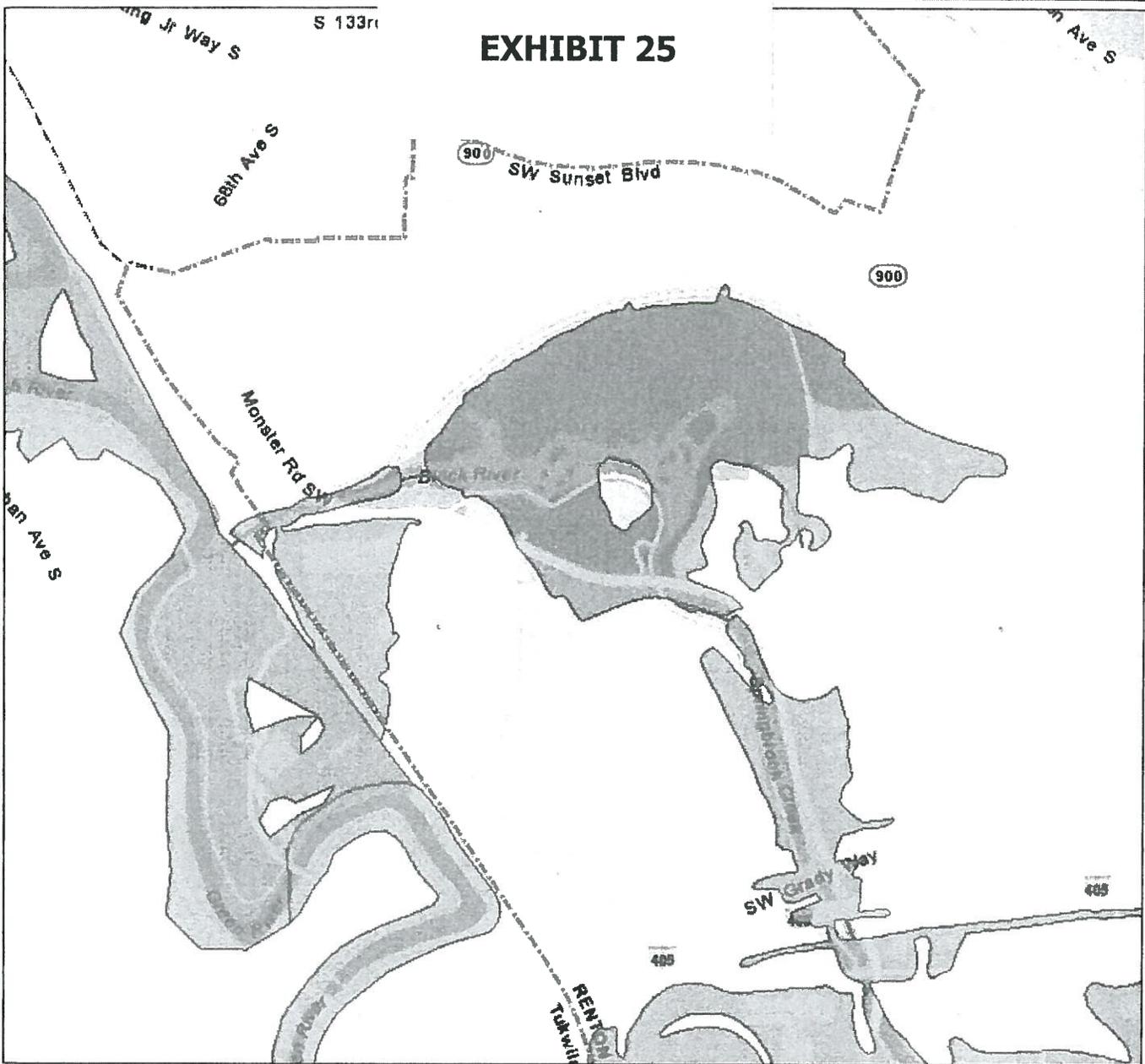
Drainage Basins, Subbasins, and Site Characteristics

Lake to Sound Trail — Segment A

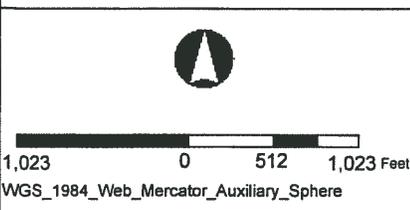
Parametrix

LUA15-000257 Floodplain

EXHIBIT 25



Notes
None



Legend

- City and County Boundary
- Other
- City of Renton
- Floodway
- Special Flood Hazard Areas (100 year flood)
- Streams (Classified)**
- 1
- 2
- 3

EXHIBIT 26

253-876-3116

From: Kris Sorensen [mailto:KSorensen@rentonwa.gov]

Sent: Thursday, December 10, 2015 1:32 PM

To: Karen Walter

Subject: RE: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV

Hi Karen,

For the Lake to Sound Trail – Segment A (Renton LUA15-000257) project, I am providing King County’s responses to the four comments you provided in the May 13 email below. Please let me know if you have further comments on these responses by December 28, 2015. Thank you.

1. **Comment:** The trail appears to be proposed within or adjacent to the area of the Green and Black Rivers that were identified as a salmon habitat restoration project (LG-17 and LG-18) in the Green/Duwamish and Central Puget Sound Watershed Salmon Habitat Plan (August 2005). (see page 7-75 in <http://your.kingcounty.gov/dnrp/library/2005/kcr1876/CHAPTERS/Ch7-LowerGreen.pdf>). How will the project ensure that there are no conflicts with these proposed salmon habitat restoration project or alternatively what alternative projects would be proposed in lieu?

#1 Response: KC remains committed to the restoration of salmon habitat in the Green/Duwamish and Central Puget Sound Watershed. A portion of the trail project is in the vicinity of the salmon habitat restoration project LG-18 but does not conflict with it. The trail design includes replacement of trees removed during construction. Replacement trees will be planted in the 50 foot wide riparian buffer on publicly-owned property along the bank of the Black River in the project vicinity. In addition existing plantings from the 2005 volunteer effort will be protected during construction.

2. **Comment:** Existing trees along the Green River should not be removed and fully avoided by this project to avoid causing further reductions in shade and contributions to the existing temperature water quality violations in the Green River that are contributing to pre-spawning mortality of adult Chinook salmon.

#2 Response: The trail has been sited to minimize the number of trees that need to be removed. Where tree removals are required great effort has been taken to have these be as far away from the river as feasible. Trees removed by the project will be replaced at a 2:1 ratio (requested below in question #4) or as directed by local permitting requirements whichever is greater.

3. **Comment:** Any tree that is at least 4 inches in diameter and within 200 feet of the Black River should be placed back into the Black River as partial mitigation for the loss of future wood recruitment function.

#3 Response: The project has committed to replanting trees in the riparian buffer and revegetating areas disturbed by construction. There are no plans for placing wood debris in the river as mitigation for this project because it already meets the overall criteria of no net loss of ecological processes and functions.

4. **Comment:** Trees should be replanted at a minimum 2:1 ratio to improve riparian functions along both the Green River and the Black River.

#4 Response: We have determined that there is adequate space and we will accommodate this request.

Kris Sorensen
Associate Planner, Planning Division
Department of Community & Economic Development
City of Renton

EXHIBIT 27

Parametrix

ENGINEERING • PLANNING • ENVIRONMENTAL

411 108th AVENUE NE, SUITE 1800
BELLEVUE, WA 98004-5571
T. 425 . 458 . 6200 F. 425 . 458 . 6363
www.parametrix.com

**Entire Document
Available Upon Request**

October 24, 2011
PMX No. 554-1521-084 (A/2T300F)

Jason Rich
King County Department of Natural Resources and Parks
Parks Division
201 South Jackson, 7th Floor
Seattle, WA 98104

Re: No Effects Letter
Lake to Sound Trail Improvements – Segment A

Dear Mr. Rich:

King County is proposing to develop a 1.1-mile segment (Segment A) of what will ultimately be the 16-mile Lake to Sound Trail. The project is a non-motorized trail located in the jurisdictions of Renton and Tukwila in King County, Washington. Segment A, as well as the longer Lake to Sound Trail, is part of a Regional Trail System that provides non-motorized, alternative transportation and a recreational corridor for multiple trail users, including bicyclists, pedestrians, skaters, and others. A goal of the Lake to Sound Trail is to provide non-motorized transportation facilities to economically disadvantaged communities in southwest King County that have been historically underserved by such facilities.

We have prepared this assessment on behalf of the Federal Highway Administration (FHWA) in response to the current U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS) Endangered Species Act (ESA) listings. We also evaluated the presence of Essential Fish Habitat (EFH) as indicated in the Magnuson Stevens Fishery Conservation and Management Act (Magnuson Stevens Act). The federal nexus for this project is federal-aid funding provided by FHWA, as administered by the Washington State Department of Transportation (WSDOT) Highways and Local Programs Division. This evaluation was prepared in accordance with section 7(c) of the Endangered Species Act (ESA) of 1973, to determine whether species listed or proposed for listing as threatened or endangered and potentially occurring in the project vicinity will be affected by project construction or operation. Effects upon critical habitat, as applicable, are also evaluated.

The USFWS and NMFS species lists were accessed on their websites on September 15, 2011 (attached). Based on information provided at those websites, the following ESA-listed species could occur within the action area:

- Chinook salmon (*Oncorhynchus tshawytscha*) Puget Sound Evolutionarily Significant Unit (ESU) (Threatened)
- Steelhead trout (*O. mykiss*) Puget Sound ESU (Threatened)

EXHIBIT 2B

**Entire Document
Available Upon Request**

**ENDANGERED SPECIES ACT EVALUATION:
NO EFFECT DOCUMENTATION**

**Lake to Sound Trail—Segment A
Pedestrian Bridge**

Prepared for

King County Department of Natural Resources and Parks
201 South Jackson, 7th Floor
Seattle, WA 98104
and
Washington State Department of Transportation
Local Programs Division
PO Box 47390
Olympia WA 98504

Prepared by

Mike Hall
Parametrix
719 2nd Ave, Suite 200
Seattle, WA 98104

September 2015

EXHIBIT 29

Kris Sorensen

From: Karen Walter <KWalter@muckleshoot.nsn.us>
Sent: Monday, December 28, 2015 2:30 PM
To: Kris Sorensen
Subject: RE: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV

Kris,

Thank you for sending us the applicant's responses to our comments to the Lake to Sound Trail Segment A project. We have reviewed them and offer follow-up comments as noted below:

1. With respect to the proposed salmon habitat restoration projects LG-17 and LG-18 and the trail, the applicant has only partially responded to the concern. We specifically requested information about how the trail is avoiding any conflicts with these restoration projects. The responses should include further discussion about how the trail was located or designed to avoid the proposed habitat restoration areas and how the trail is compatible with habitat restoration designs. In our experience, the location of trails and their uses can very much affect the remaining areas to do restoration as well as the types of restoration. The responses describe plans for tree removal/restoration and avoidance, but does not address these other issues. For example LG-17 involves a potential levee setback which could be constrained by the location of a trail that may not otherwise be relocated. The descriptor in the WRIA 9 plan for this project says:

"Set back the Fort Dent levee to the maximum extent possible to create a low vegetated bench between river miles 11.7 to 11.4, right bank, without affecting the existing soccer fields or trail. Plant native riparian vegetation and add large woody debris along the toe of slope and on the created bench."(LG-17)

The existing trail already limits the extent of levee setback and likely the creation of a low vegetated bench for juvenile salmon.

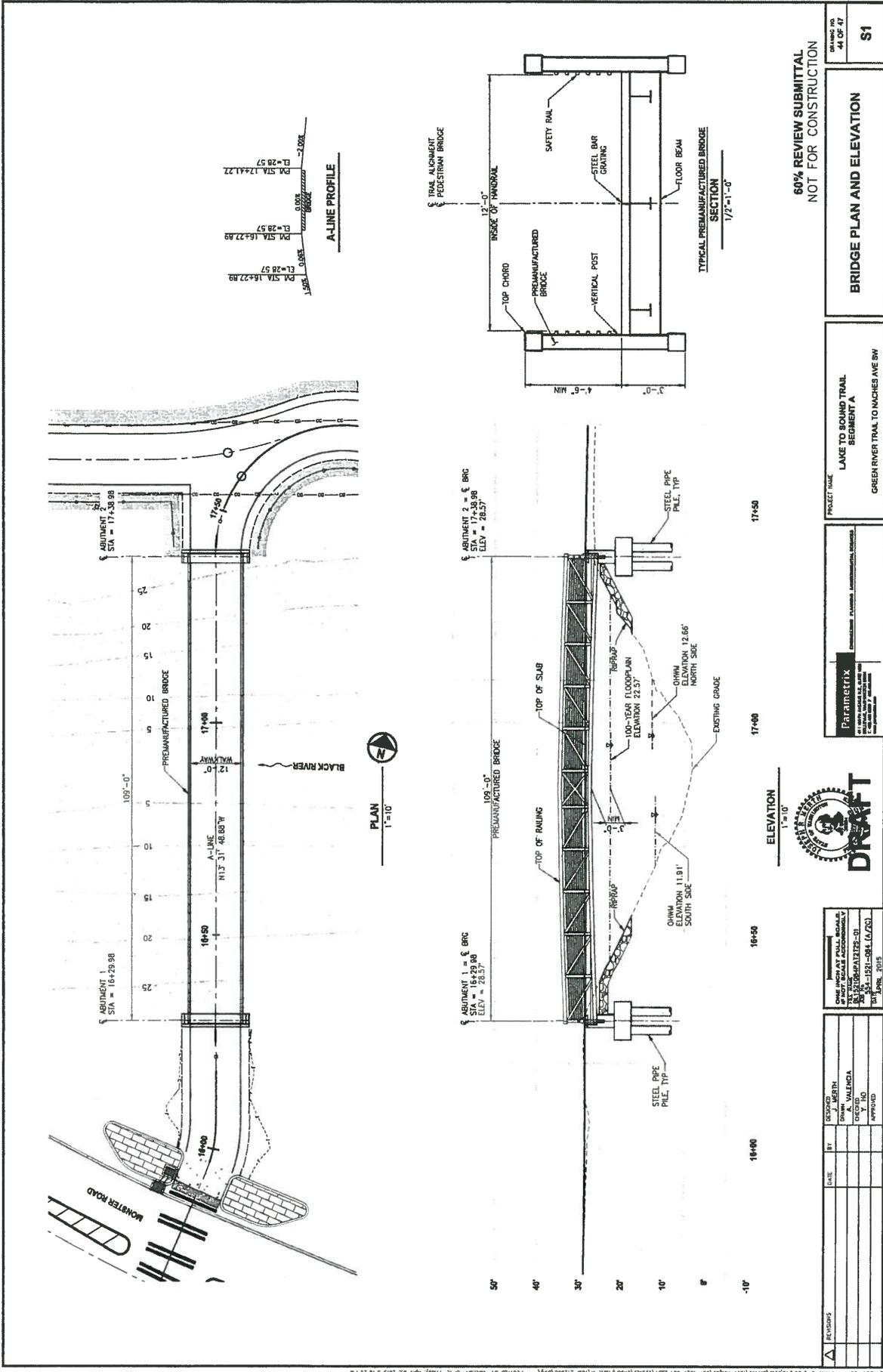
Similarly, LG-18 involves creating a marsh at the confluence of the Black River and the lower Green River, which may be limited in size and scope because of the trail. The trail may limit the restoration components of these projects because of the increased use by people, dogs, etc disturbing salmon using these restored areas. A more detailed analysis and response is needed to show that the trail will not limit or preclude these restoration projects.

2. The applicant needs to explain how the project is meeting "no net loss" for riparian functions with respect to the removal of trees within 200 feet of the Green or Black Rivers and temporal losses to future wood recruitment. Neither of these waterbodies are close to having their natural wood loading rates that we would expect based on the data from Fox and Bolton (2007). The removal of trees that could otherwise recruit to these rivers through wind, snow/ice, natural decay, flooding, etc. will not be "instantly" replaced by planting 1-2 gallon sized trees. The lack of wood in these rivers is a key habitat limiting factor per the WRIA 9 habitat limiting factors report. Further information and analysis is needed to support the claim that this project is fully mitigating for its impacts to riparian functions.

We appreciate the opportunity to continue coordination with the City to resolve our concerns with this project. Please let me know if you have questions regarding these follow-up comments.

Thank you,
Karen Walter
Watersheds and Land Use Team Leader

*Muckleshoot Indian Tribe Fisheries Division
Habitat Program
39015 172nd Ave SE
Auburn, WA 98092*



60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

DRAWING NO.
44 OF 47

BRIDGE PLAN AND ELEVATION

PROJECT NAME
LAKE TO SOUND TRAIL
SEGMENT A
GREEN RIVER TRAIL TO NICHES AVE SW

Parametrix
4100 W. HARRIS BLVD. SUITE 200
DENVER, CO 80202
TEL: 303.440.1000
WWW.PARAMETRIX.COM



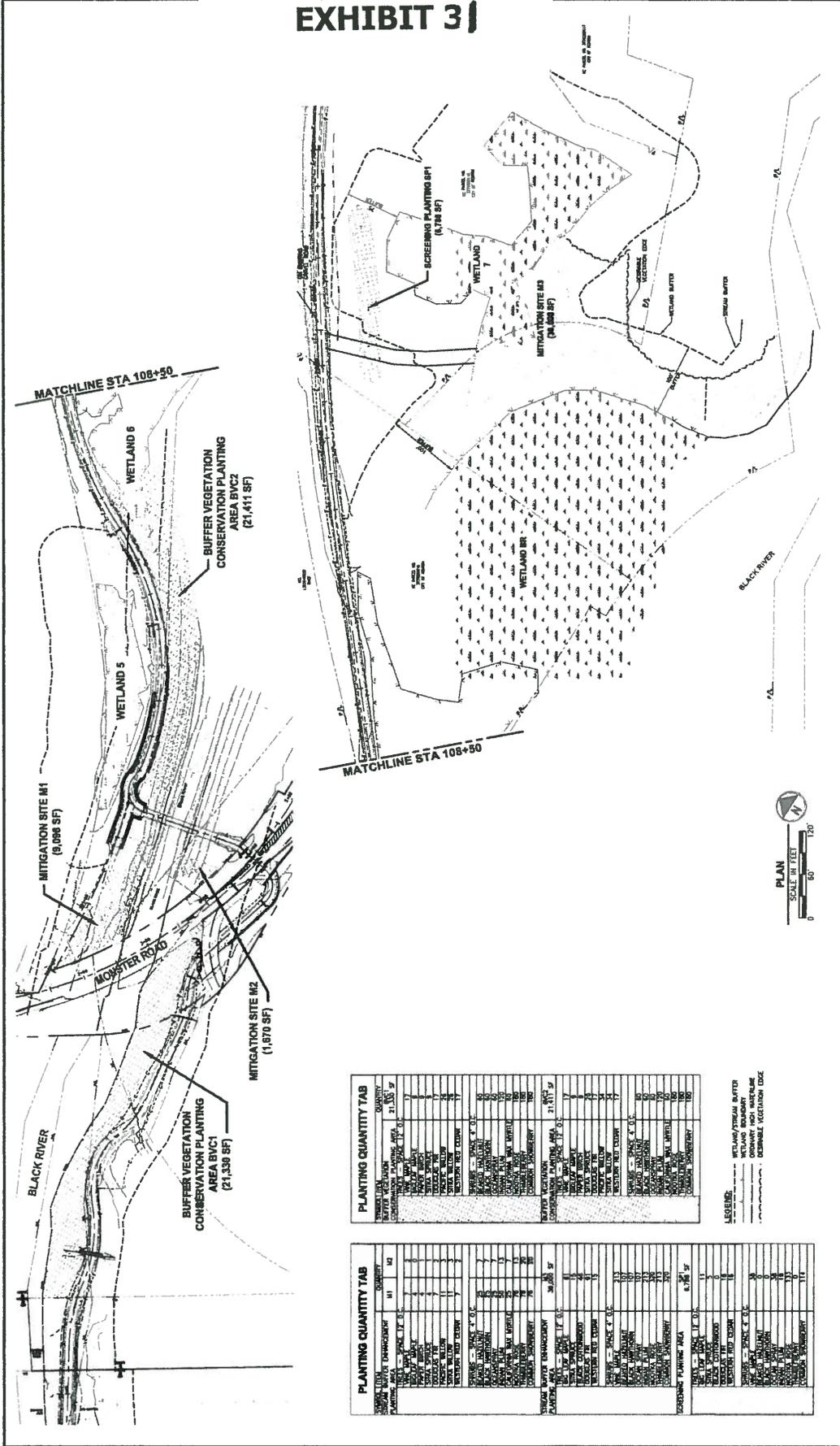
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DESIGNED BY: _____
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EXHIBIT 3



| PLANTING QUANTITY TAB | | QUANTITY |
|---|--|-----------|
| SCREENING PLANTING BPT | | 4,176 SF |
| MITIGATION SITE M1 | | 9,096 SF |
| MITIGATION SITE M2 | | 1,970 SF |
| MITIGATION SITE M3 | | 24,109 SF |
| MITIGATION SITE M4 | | 21,411 SF |
| BUFFER VEGETATION CONSERVATION PLANTING AREA BVC1 | | 21,339 SF |
| BUFFER VEGETATION CONSERVATION PLANTING AREA BVC2 | | 21,411 SF |

| PLANTING QUANTITY TAB | | QUANTITY |
|---|--|-----------|
| SCREENING PLANTING BPT | | 4,176 SF |
| MITIGATION SITE M1 | | 9,096 SF |
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| BUFFER VEGETATION CONSERVATION PLANTING AREA BVC1 | | 21,339 SF |
| BUFFER VEGETATION CONSERVATION PLANTING AREA BVC2 | | 21,411 SF |

LEGEND:

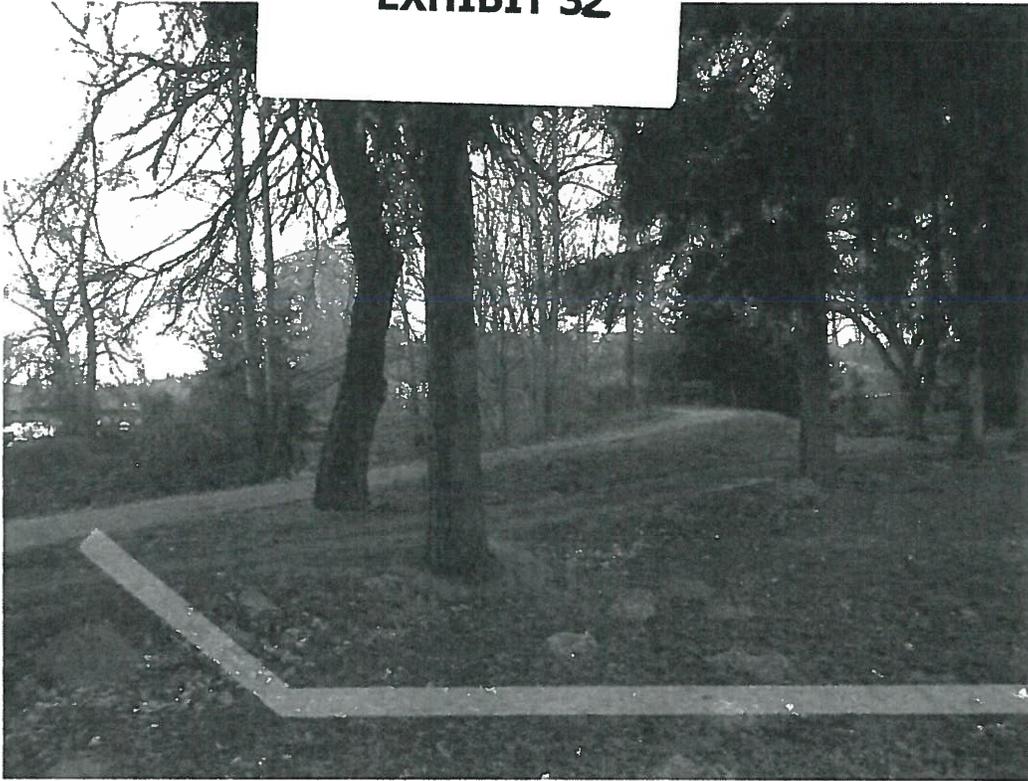
- WETLAND/TERRAIN BUFFER
- SCREENING PLANTING BPT
- MITIGATION SITE
- BUFFER VEGETATION CONSERVATION PLANTING AREA
- WETLAND
- BLACK RIVER
- WETLAND BUFFER
- TERRAIN BUFFER
- SCREENING PLANTING BPT
- MITIGATION SITE
- BUFFER VEGETATION CONSERVATION PLANTING AREA
- WETLAND
- BLACK RIVER
- WETLAND BUFFER
- TERRAIN BUFFER



Landscaping Plan
Lake to Sound Trail
Segment A
Green River Trail to Naches Avenue SW
King County, Washington

Appendix E
Mitigation Plans

EXHIBIT 32



Project start, looking west at Green River Trail (near A-Line Station 1+00)



Looking west (near A-Line Station 3+00)



Looking west (near A-Line Station 5+50)



Looking west (near A-Line Station 6+00)



Looking east at railroad crossings (near A-Line Station 6+25)



Looking west at railroad crossings (near A-Line Station 8+25)



Looking west (near A-Line Station 11+00)



Looking east at Monster Road driveway (near A-Line Station 13+50)



Looking north at Monster Road (near A-Line Station 14+00)



Looking northwest at Monster Road (near A-Line Station 14+50/C-Line Station 201+75)



Looking north at Monster Road (near A-Line 15+00/C-Line Station 202+20)



Looking northwest at Monster Road (near A-Line Station 16+20/C-Line Station 202+50)



Looking north at pedestrian crossing location over the Black River (near A-Line 16+00/ C-Line Station 202+50)



Looking south at pedestrian crossing location over the Black River (near A-Line 17+50/B-Line 102+50)



Looking east at Monster Road (near B-Line Station 102+50)



Looking west (near B-Line Station 105+00)



Looking east (near B-Line Station 105+00)



Looking west (near B-Line Station 121+00)



Location of proposed box culvert, looking west (near B-Line Station 126+00)



Project End, looking north (B-Line Station 143+17)

EXHIBIT 33

Kris Sorensen

From: Kris Sorensen
Sent: Monday, January 11, 2016 8:30 AM
To: Karen Walter (KWalter@muckleshoot.nsn.us)
Cc: jason.rich@kingcounty.gov; Carol.Lumb@TukwilaWA.gov
Subject: Response to Comments; RE: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV
Attachments: 6. L2ST Seg A Proj Narrative-Permit Descr & Justif.pdf; ESA NE documentation L2SA to Renton.pdf; L2S Seg A_Landscape Plan.pdf

Karen,

Thank you for the follow-up comments. I am providing responses below. Also, I have attached an updated study for the Endangered Species Act No-Effects Determination for the Lake to Sound Trail "Segment A" pedestrian bridge submitted in December. Appendix A is the original No-Effects Determination for the full trail segment.

Below are responses to your comments, with response #1 focused on the WRIA 9 LG-18 and LG-17 plans and response #2 focused on no net loss:

#1: The LG-17 project is not in the vicinity of the Lake to Sound Trail Segment A project under review. LG-17 is located roughly ½ mile away. For LG-18, the marsh area that is to be restored is outside of the trail project area and the 50-foot wide shoreline riparian buffer is within the proposed project area. Multiple trail route alternatives were considered for this segment of the regional trail. The Segment A route was designed to have the least impact on the shorelines, mature trees, the existing sports complex, and railroad bridges in this area near the Black River and confluence with the Green River. The subject project will plant 21,330 square feet of the LG-18 riparian buffer area between the Black River shoreline and trail (see "BVC1" on the attached 'Landscape Plan'). The County is open to discussing placing a split rail fence adjacent the trail where the trail is close to the LG-18 project in consideration of increased use of the area by people and dogs. Shoreline permits are required for this project and further consideration of the comment can be considered at that time. Carol Lumb is the City of Tukwila staff contact that would likely review the Shoreline Permits in that jurisdiction (email contact is Carol.Lumb@TukwilaWA.gov).

#2: The overall project has been reviewed for no net loss of riparian functions. The applicant has submitted multiple biological assessments that detail project impacts and mitigation. Trees are being replanted at a minimum 2:1 ratio, in part, to account for the temporal loss of mature trees. I am attaching to this email the submitted Permit Narrative and Justification, where page 2-11 discusses the No Net Loss requirement for all development within Shoreline Management Act jurisdiction. I believe the studies listed in the no net loss summary were sent to you as part of the Notice of Application for the project (Critical Areas Study, Stream Report, Vegetation and Wildlife Report, Floodplain Study) and I can provide them as needed. I will follow up this email with the new Biological Assessment of the pedestrian bridge from August 2015 as it is a larger file size so you also have this study.

Thank you for your comments.

Kris Sorensen
Associate Planner, Planning Division
Department of Community & Economic Development
City of Renton
425-430-6593

From: Karen Walter [mailto:KWalter@muckleshoot.nsn.us]

Sent: Monday, December 28, 2015 2:30 PM

To: Kris Sorensen

Subject: RE: City of Renton (SEPA) Notice of Application- Lake to Sound Trail - Segment A-LUA15-000257, ECF, CU-H, SM, SMV

Kris,

Thank you for sending us the applicant's responses to our comments to the Lake to Sound Trail Segment A project. We have reviewed them and offer follow-up comments as noted below:

1. With respect to the proposed salmon habitat restoration projects LG-17 and LG-18 and the trail, the applicant has only partially responded to the concern. We specifically requested information about how the trail is avoiding any conflicts with these restoration projects. The responses should include further discussion about how the trail was located or designed to avoid the proposed habitat restoration areas and how the trail is compatible with habitat restoration designs. In our experience, the location of trails and their uses can very much affect the remaining areas to do restoration as well as the types of restoration. The responses describe plans for tree removal/restoration and avoidance, but does not address these other issues. For example LG-17 involves a potential levee setback which could be constrained by the location of a trail that may not otherwise be relocated. The descriptor in the WRIA 9 plan for this project says:

"Set back the Fort Dent levee to the maximum extent possible to create a low vegetated bench between river miles 11.7 to 11.4, right bank, without affecting the existing soccer fields or trail. Plant native riparian vegetation and add large woody debris along the toe of slope and on the created bench."(LG-17)

The existing trail already limits the extent of levee setback and likely the creation of a low vegetated bench for juvenile salmon.

Similarly, LG-18 involves creating a marsh at the confluence of the Black River and the lower Green River, which may be limited in size and scope because of the trail. The trail may limit the restoration components of these projects because of the increased use by people, dogs, etc disturbing salmon using these restored areas. A more detailed analysis and response is needed to show that the trail will not limit or preclude these restoration projects.

2. The applicant needs to explain how the project is meeting "no net loss" for riparian functions with respect to the removal of trees within 200 feet of the Green or Black Rivers and temporal losses to future wood recruitment. Neither of these waterbodies are close to having their natural wood loading rates that we would expect based on the data from Fox and Bolton (2007). The removal of trees that could otherwise recruit to these rivers through wind, snow/ice, natural decay, flooding, etc. will not be "instantly" replaced by planting 1-2 gallon sized trees. The lack of wood in these rivers is a key habitat limiting factor per the WRIA 9 habitat limiting factors report. Further information and analysis is needed to support the claim that this project is fully mitigating for its impacts to riparian functions.

We appreciate the opportunity to continue coordination with the City to resolve our concerns with this project. Please let me know if you have questions regarding these follow-up comments.

Thank you,
Karen Walter
Watersheds and Land Use Team Leader

*Muckleshoot Indian Tribe Fisheries Division
Habitat Program
39015 172nd Ave SE
Auburn, WA 98092
253-876-3116*

EXHIBIT 34

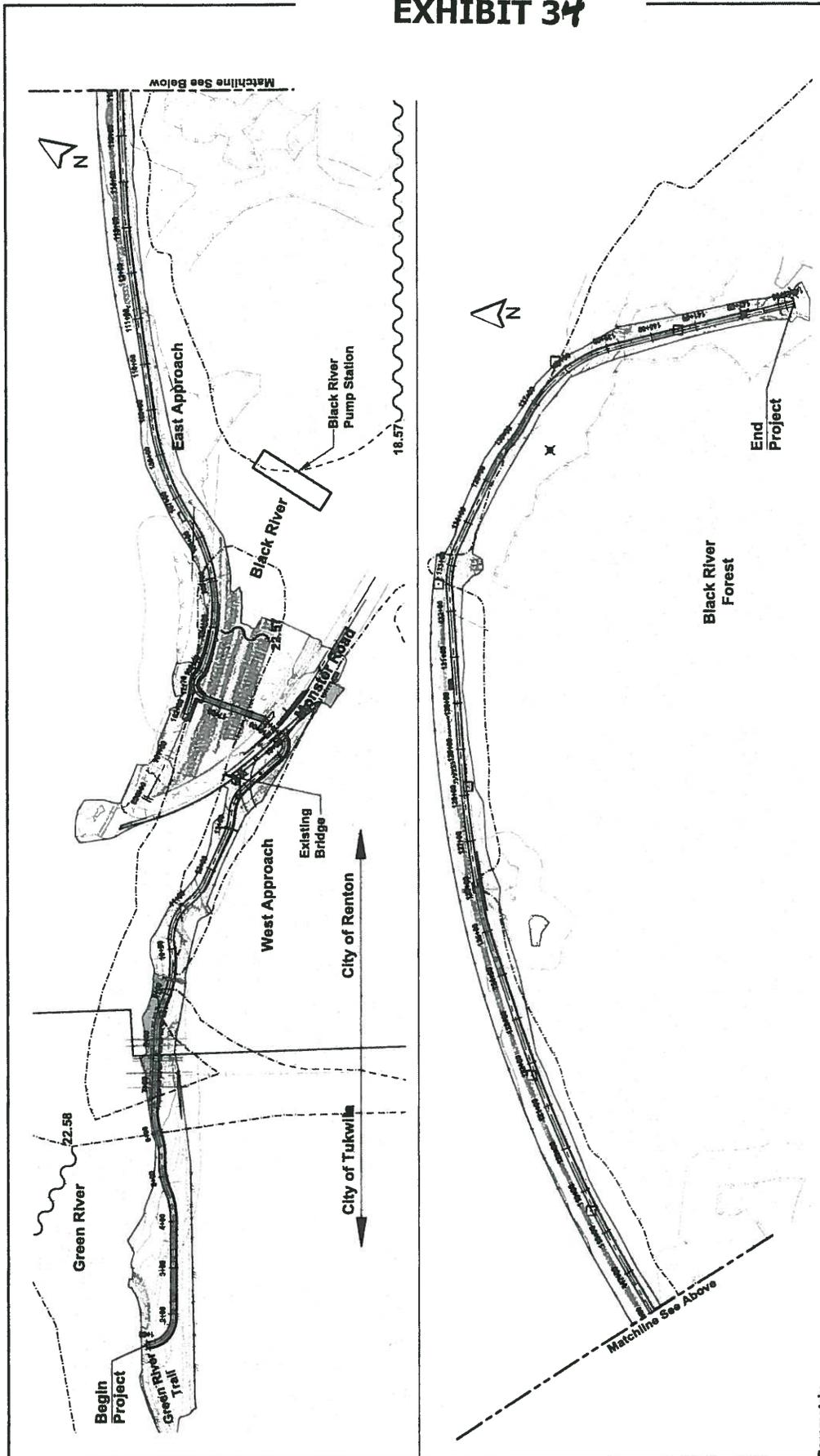


Figure 1
Project Site Map

* FEMA Boundaries from 1995 FIRRM.

Legend:
 FEMA Floodplain Boundary
 FEMA Baseflood Elevation (NAVD88)

0 200
SCALE IN FEET

DATE: APRIL 14, 2015 FILE: E:\14130\PROJECTS\2015\01
Parametrix

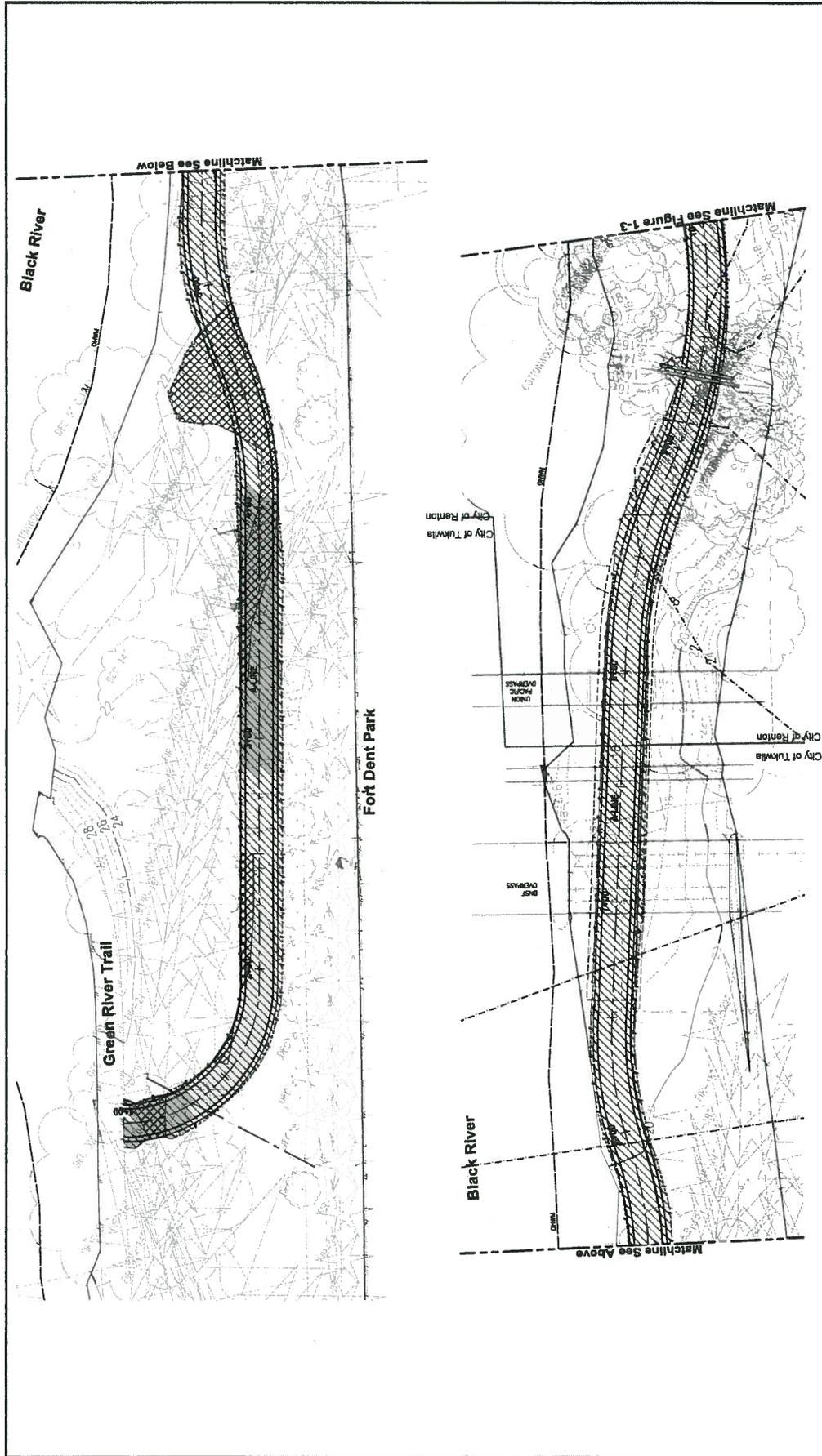
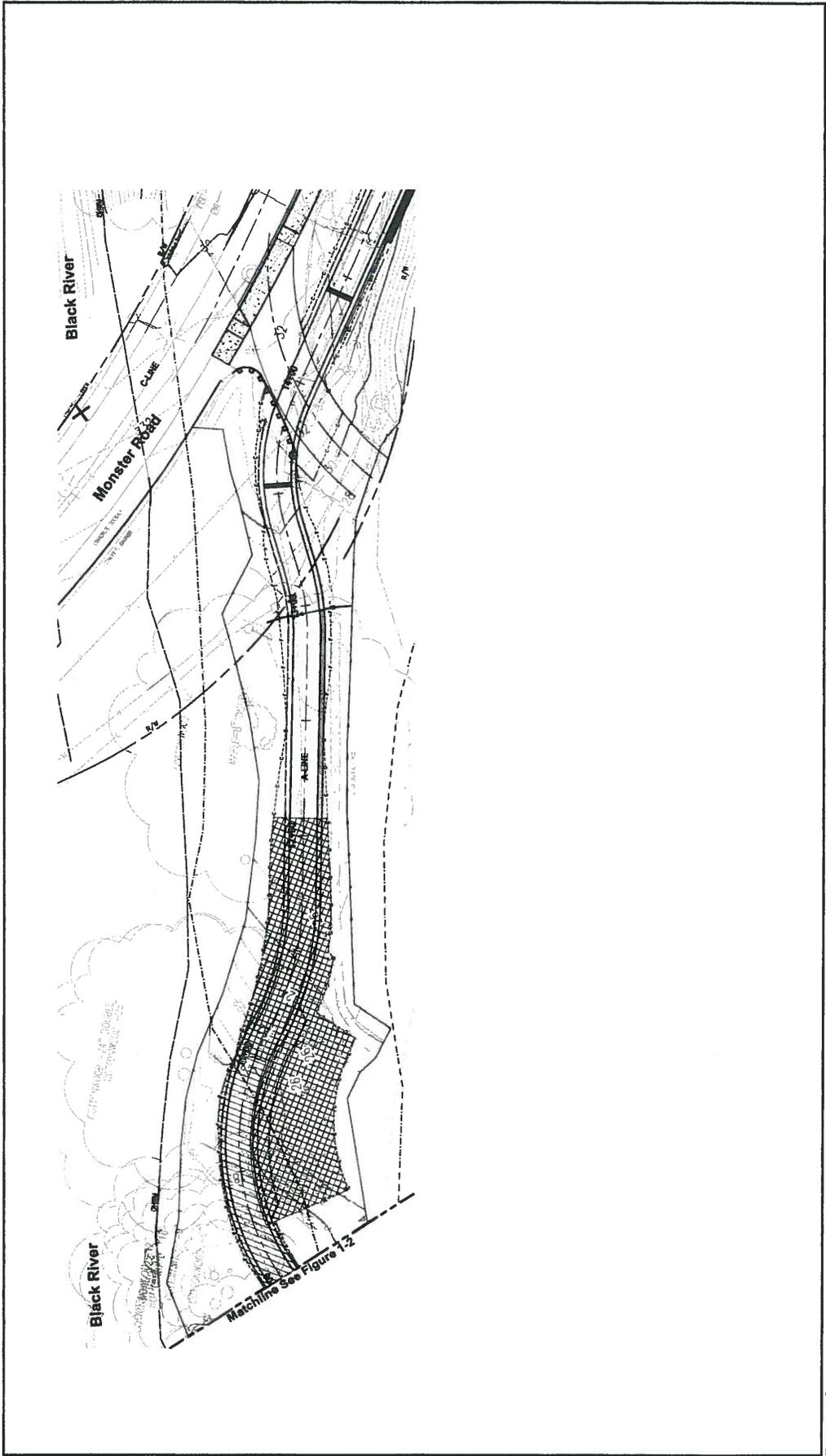


Figure 2
Floodplain Impact Area
 West Approach



Parametrix DATE: April 1, 2016 FILE: BLK121604122004-02



Legend:

- Fill Line
- Cut Line
- Floodplain Mitigation Area
- Floodplain Fill Area

- FEMA Floodplain Boundary
- Right of Way Line

Figure 3
Floodplain Impact Area
West Approach



**Project LG-18:
Black River Marsh at RM 11.0 (Right Bank)**

Project Description

This project would improve the confluence of the remnant Black River with the Green/Duwamish as an emergent marsh, increasing nutrient productivity for the surrounding system and improving access for salmonid refuge and rearing.

The project is located along the lower Black River, which empties into the Green River at river mile 11.0, right bank. The project would remove about 200 cubic yards of fill from the left bankline of the Black River at the confluence with the Green just west of the railroad tracks. This small area would then be planted with appropriate native marsh vegetation and a few large stumps with root wads would be placed to provide cover. A 50 foot wide riparian buffer would be created along the banks of the Black River from the Black River Pump Station to the confluence.

This is a Green/Duwamish Ecosystem Restoration Project.

Opportunities and Constraints

- The site has significant infrastructure that will make site rehabilitation challenging. Invasive plant species now dominate the site.
- In 2005, volunteers organized by a Renton resident began planting native trees and shrubs on the south bank of the Black River just west of the Black River Pump Station.



Black River confluence with the Green/Duwamish. Black River is to right. Railroad bridges are visible in the distance. February 2005 photo.

LINKAGES

Conservation Hypotheses Addressed

- Protecting and improving riparian vegetation (All-2)
- Preventing new bank armoring and removing existing armoring (All-6)
- Protecting and creating/restoring habitat that provides refuge, habitat complexity (Low-1)

Habitat Management Strategies

- Rehabilitate riparian areas by establishing suitable native vegetation along banks of the mainstem and tributaries
- Substitute loss of slow water areas by creating new off-channel habitats and/or placement of large woody debris along banklines
- Substitute ecological processes with habitat features



**Project LG-17:
Levee Setback Between RM 11.7 and 11.4 (Right Bank)**



Lower Green River looking downstream at river mile 11.7. To right is Fort Dent Park showing levee and possible bank set back area. February 2005 photo.

Project Description

Set back the Fort Dent levee to the maximum extent possible to create a low vegetated bench between river miles 11.7 to 11.4, right bank, without affecting the existing soccer fields or trail. Plant native riparian vegetation and add large woody debris along the toe of slope and on the created bench.

This project would provide low velocity and/or shallow water habitat for juvenile salmon.

Opportunities and Constraints

- Permission must be obtained by the City of Tukwila, and implementers will need to work with the company that manages the soccer complex on this parcel to design this project in a way that minimizes impacts on current park operations. Sewer infrastructure may also present challenges for implementation.

LINKAGES

∞ Conservation Hypotheses Addressed

- *Protecting and improving riparian vegetation (All-2)*
- *Protecting and creating/restoring habitat that provides refuge, habitat complexity (Low-1)*

∞ Habitat Management Strategies

- *Rehabilitate existing banklines to create low velocity and/or shallow water habitat during juvenile migration*
- *Rehabilitate riparian areas by establishing suitable native vegetation along banks of the mainstem and tributaries*
- *Substitute loss of slow water areas by placement of large woody debris along banklines*

ADVISORY NOTES TO APPLICANT
LUA15-000257

EXHIBIT 36



Application Date: April 17, 2015
Name: Lake to Sound Trail Segment A

PLAN - Planning Review - Land Use

Version 1

Engineering Review Comments

Contact: Vicki Grover | 425-430-7291 | vgrover@rentonwa.gov

Recommendations: EXISTING CONDITIONS

Water service is not a requirement of this project.

Sanitary sewer is not a requirement of this project.

A Technical Information Report (TIR) was submitted, dated April 2015 and prepared by Parametrix. The project is exempt from water quality as the new impervious surface will not be pollution generating. The project is exempt from flow control when for a given Threshold Drainage Area (TDA); the 100 year peak runoff flow rate is within 0.1 cfs of the existing 100 year peak runoff flow rate. Testing of the runoff from the concrete recycling plant should be conducted prior to piping the flow into a wetland.

General Comments

1. All construction permits will require civil plans to include a TESC Plan and a SWPPP. Plans shall conform to the Renton Drafting Standards and be prepared by a licensed Civil Engineer.
2. A draft Geotechnical Report Lake to Sound Trail, Black River Bridge dated February 24, 2015 and authored by HWA Geosciences Inc. was submitted to the City of Renton (COR) on April 17, 2015. A "Final" geotechnical report will be required.
3. When construction plans are ready for review, please submit three (3) copies of the drawings, three (3) copies of the Drainage Report and permit application. What is the timing of the construction phase? There are various recommendations for when and when not to be doing construction work based on various criteria from each of the reports.

Planning Review Comments

Contact: Kris Sorensen | 425-430-6593 | ksorensen@rentonwa.gov

Recommendations: Planning:

1. RMC section 4 4 030.C.2 limits haul hours between 8:30 am to 3:30 pm, Monday through Friday unless otherwise approved by the Development Services Division.
2. Commercial, multi family, new single family and other nonresidential construction activities shall be restricted to the hours between seven o'clock (7:00) a.m. and eight o'clock (8:00) p.m., Monday through Friday. Work on Saturdays shall be restricted to the hours between nine o'clock (9:00) a.m. and eight o'clock (8:00) p.m. No work shall be permitted on Sundays.
3. Within thirty (30) days of completion of grading work, the applicant shall hydroseed or plant an appropriate ground cover over any portion of the site that is graded or cleared of vegetation and where no further construction work will occur within ninety (90) days. Alternative measures such as mulch, sodding, or plastic covering as specified in the current King County Surface Water Management Design Manual as adopted by the City of Renton may be proposed between the dates of November 1st and March 31st of each year. The Development Services Division's approval of this work is required prior to final inspection and approval of the permit.
4. A National Permit Discharge Elimination System (NPDES) permit is required when more than one acre is being cleared.
5. The applicant may not fill, excavate, stack or store any equipment, dispose of any materials, supplies or fluids, operate any equipment, install impervious surfaces, or compact the earth in any way within the area defined by the drip line of any tree to be retained.

EXHIBIT 38

**Full Document
Available upon Request**

**RENTON TRAILS AND
BICYCLE MASTER PLAN**

Adopted May 11, 2009

RENTON. AHEAD OF THE CURVE.

City of
Renton





TWO RIVERS TRAIL: BLACK RIVER RAILROAD R.O.W. TRAIL

PROPOSED (Part of proposed Lake to Sound Regional Trail)

Monster Road SW to Naches Avenue SW

0.9 mile this segment, 3.1 miles total trail

Rough path parallel to Union Pacific and Burlington Northern Santa Fe railroad right-of-way

Separated multi-use trail, paved

Bicyclists and pedestrians

Tukwila, Downtown Renton
PARKS AND SCHOOLS: Fort Dent Park, Black River Riparian Forest, Renton Wetlands, Burnett Linear Park

TRAILS: Green River, Interurban, Black River, Springbrook Trail, Burnett, Cedar River
BICYCLE LANES: Monster Road SW

Multi-use trail through Black River Riparian Forest, separate from wetland trail

Possible permitting challenges

Project Status

Origin and Destination

Project Length

Existing Condition

Proposed Cross-section

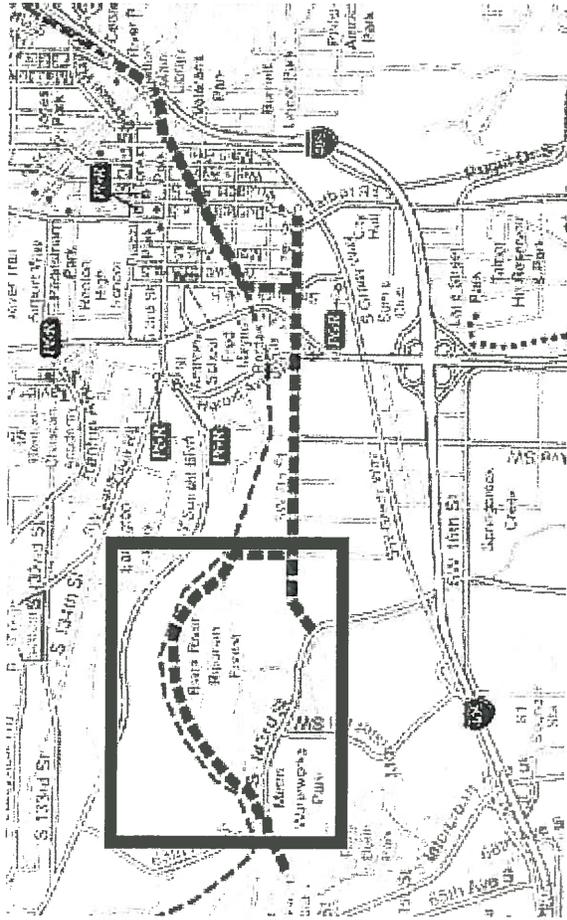
User Groups

Connections

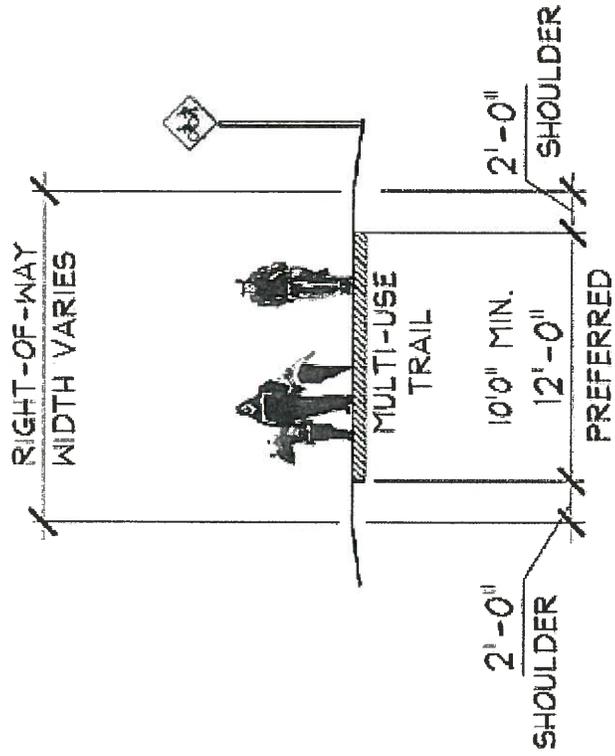
Project Description

Constraints and Considerations

MAP (scale varies)



TYPICAL CROSS-SECTION(S)

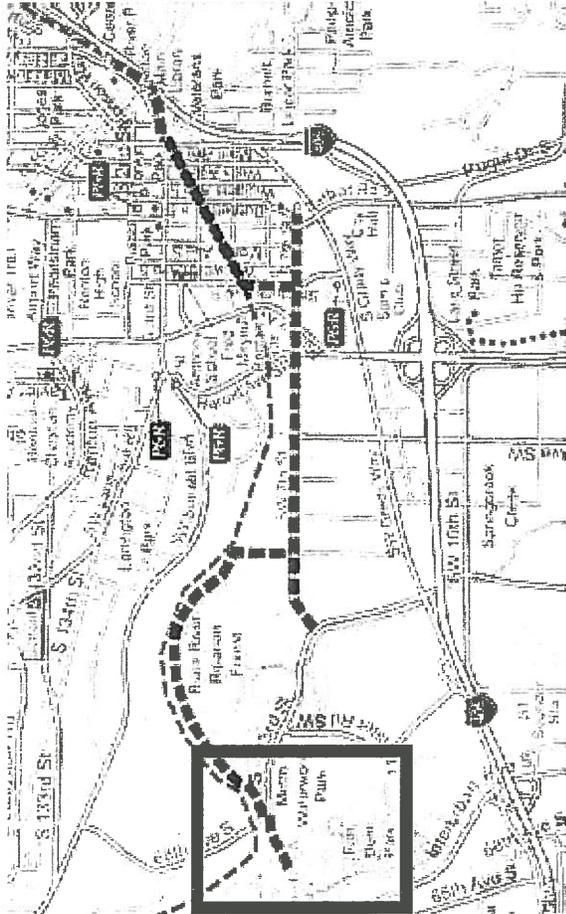




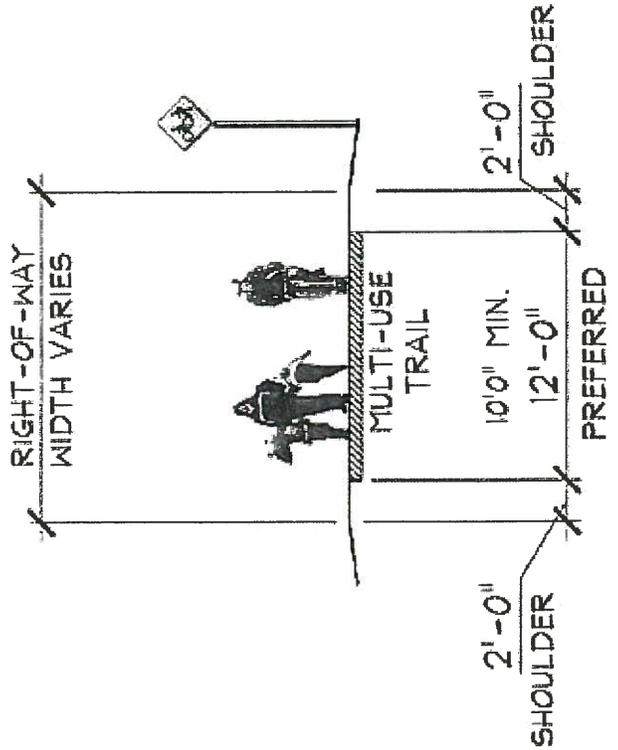
**TWO RIVERS TRAIL:
 FORT DENT CONNECTOR**

| | |
|--------------------------------|--|
| Project Status | PROPOSED (Part of proposed Lake to Sound Regional Trail) Fort Dent Park to Monster Road SW |
| Origin and Destination | |
| Project Length | 0.2 mile this segment, 3.1 miles total trail |
| Existing Condition | Rough path under Union Pacific railroad trestle  |
| Proposed Cross-section | Separated multi-use trail, paved  |
| User Groups | Bicyclists and pedestrians |
| Connections | Tukwila, Downtown Renton PARKS AND SCHOOLS: Fort Dent Park, Black River Riparian Forest, Renton Wetlands, Burnett Linear Park TRAILS: Green River, Interurban, Black River, Springbrook Trail, Burnett, Cedar River BICYCLE LANES: Monster Road SW |
| Project Description | Connection to Tukwila's Fort Dent Park connects the two cities and links regional trails. |
| Constraints and Considerations | Use of railroad right-of-way needs, dimensions of existing railroad trestle, crossing of Monster Road SW necessitate thoughtful approach. |

MAP (scale varies)



TYPICAL CROSS-SECTION(S)





SHORELINE MANAGEMENT PLAN

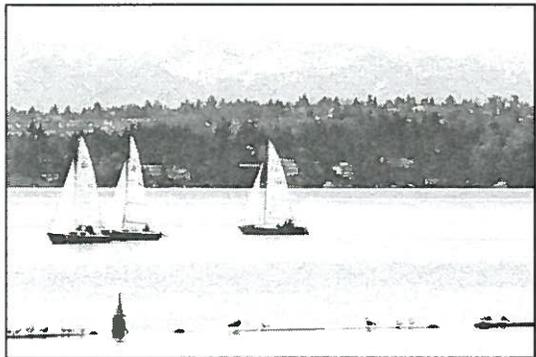
- Fulfilling the vision of the state Shoreline Management Act -

Full Document Available upon Request

INTRODUCTION

The Washington State Shoreline Management Act (the Act) passed in 1971 and is based on the philosophy that the shorelines of our state are among our most "valuable" and "fragile" natural resources and that unrestricted development of these resources is not in the best public interest. Therefore, planning and management are necessary in order to prevent the harmful effects of uncoordinated and piece-meal development of our state's shorelines.

Shorelines are of limited supply and are faced with rapidly increasing demands for uses such as marinas, fishing, swimming and scenic views, as well as recreation, private housing, commercial and industrial uses.



Lake Washington from Coulon Park, Credit: City of Renton

The policy goals for the management of shorelines harbor potential for conflict. The Act recognizes that the shorelines and the waters they encompass are "among the most valuable and fragile" of the state's natural resources. They are valuable for economically productive industrial and commercial uses, recreation, navigation, residential amenity, scientific research and education. They are fragile because they depend upon balanced physical, biological, and chemical systems that may be adversely altered by natural forces and human conduct. Unbridled use of shorelines ultimately could destroy their utility and value. The prohibition

of all use of shorelines that would interfere with their human utility and... The Act relate both to the extremely valuable and resources of the state. The Act accommodate of "all reasonable uses" consistent with "protecting agriculture and diverse

There are over 18 miles of shoreline in the City of Renton's planning area are under the jurisdiction of the Shoreline Management Act of 1971.

effects to the public health, the land and its vegetation and wildlife, and the waters of the state and their aquatic life" and consistent with "public rights of navigation. The planning policies of master programs (as distinguished from the development regulations) may be achieved by a number of means, only one of which is the regulation of development. Other means, as

authorized by Revised Code of Washington (RCW) 90.58.240, include, but are not limited to: the acquisition of lands and easements within shorelines of the state by purchase, lease, or gift, either alone or in concert with other local governments, and accepting grants, contributions, and appropriations from any public or private agency or individual. Additional other means may include, but are not limited to, public facility and park planning, watershed planning, voluntary salmon recovery projects, and incentive programs.

Through numerous references to and emphasis on the maintenance, protection, restoration, and preservation of "fragile" shoreline, "natural resources," "public health," "the land and its vegetation and wildlife," "the waters and their aquatic life," "ecology," and "environment," the Act makes protection of the shoreline environment an essential statewide policy goal consistent with the other policy goals of the Act. It is recognized that shoreline ecological functions may be impaired not only by shoreline development subject to the substantial development permit requirement of the Act but also by past actions, unregulated activities,

APPENDIX B: PUBLIC ACCESS OBJECTIVES BY REACH



SHORELINE REACH

LOCATION

PUBLIC ACCESS OBJECTIVES

because further subdivision and non-single family use is not likely but should be pursued if such development occurs. Public agency actions to improve public access should include improved visual access from the existing trail and possible public acquisition of access to the water.

GREEN RIVER

The Green/Black River below the pump station

The area west of Monster Road provides no public access. Public physical access from a trail parallel to the water should be provided as private lands redevelop. Public agency actions to improve public access should include acquisition of trail rights to connect the Lake to Sound trail system to the Green River Trail and Fort Dent Park.

Green River Reach A

The area west of Monster Road is part of the publicly owned Black River Forest where interpretive trails exist. Expansion of public access should occur only if consistent with ecological functions.

BLACK RIVER / SPRINGBROOK CREEK

From the City Limits to Grady Way

The area west of Monster Road provides no public access. Public physical access from a trail parallel to the water should be provided as private lands redevelop. Public agency actions to improve public access should include acquisition of trail rights to connect the trail system to the Green River Trail and Fort Dent Park.

Black/Springbrook A

The area west of Monster Road is part of the publicly owned Black River Forest where interpretive trails exist. Expansion of public access should occur only if consistent with ecological functions. Interpretive trails are present in the Black River Forest. Expansion of public access should occur only if consistent with ecological functions. A trail system is present on the west side of the stream adjacent to the sewage treatment plant and should be retained and possibly enhanced.

Springbrook B

From Grady Way to SW 16th Street

A trail system is present on WSDOT right of way and crosses under I-405. Enhancement should be implemented as part of future highway improvements or other public agency actions.

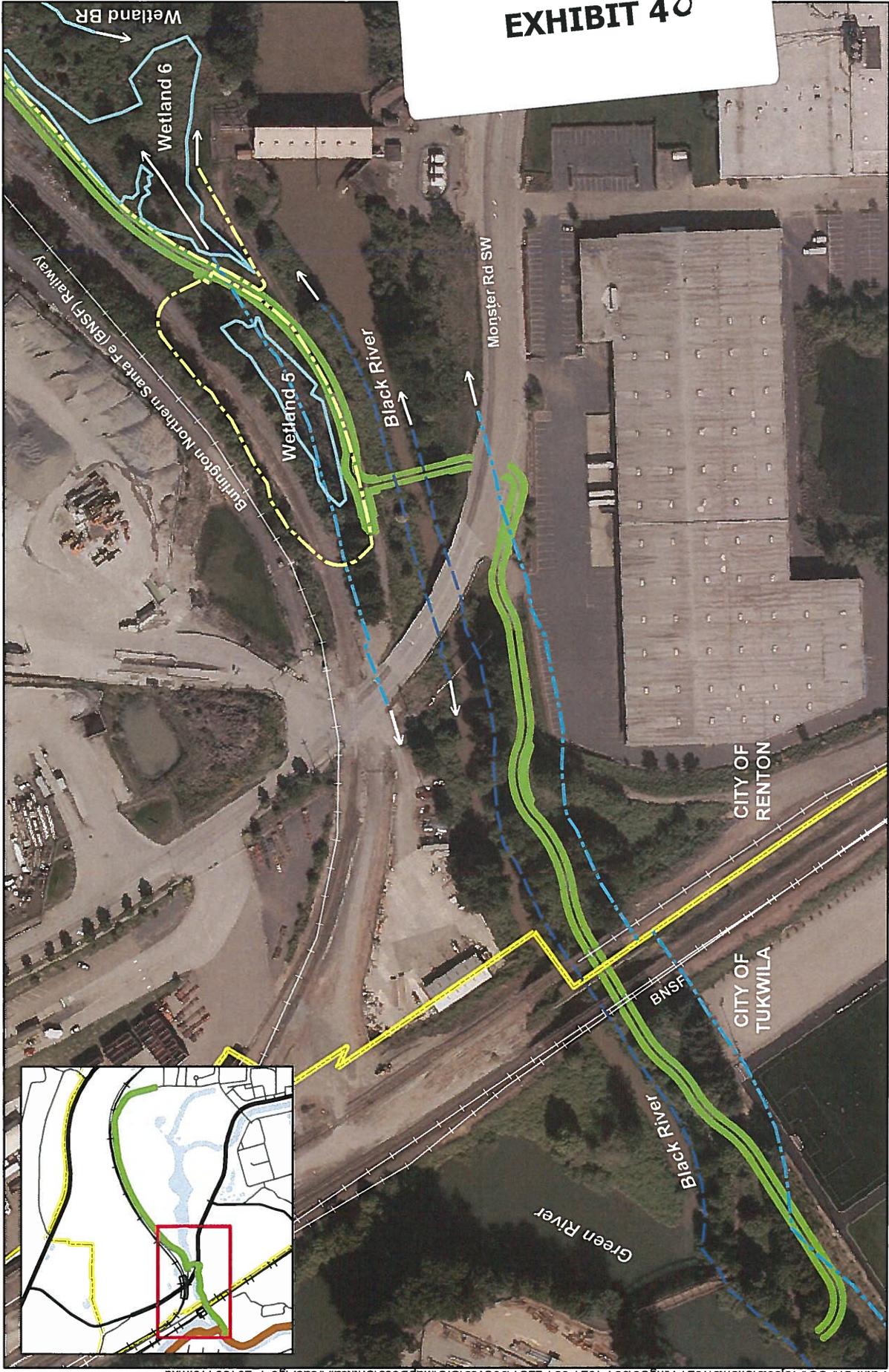
Springbrook C

From SW 16th Street to the City Limits

A public trail parallel to the stream was developed as part of the Boeing Longacres Office Park and extends from SW 16th Street under Oaksdale. Avenue and terminates at the alignment of 19th Street at the parking lot of a pre-existing industrial building. If future development occurs in this area, a continuous trail system connecting to the continuous system to the south should be planned, consistent with protection of ecological values of wetlands and streamside vegetation.

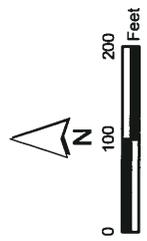
There is no trail system along the stream from SW 19th Street to the approximate alignment of SE 23rd Street. A continuous trail system is provided from 23rd Street to the city limits including portions through the Springbrook Wetland Mitigation Bank. If future development occurs in the area of the missing trail link, a trail system connecting to the continuous system to the south should be planned, consistent with protection of ecological values of wetlands and streamside vegetation buffers. Public actions should include interim linkages of the existing trail systems, which may include interim trails or routing on public streets and sidewalks. In the future, if vegetation buffers are developed within the stream corridor and

EXHIBIT 40



Sources: King County, City of Renton, Parametrix, WSDOT, Aerials Express 2009.

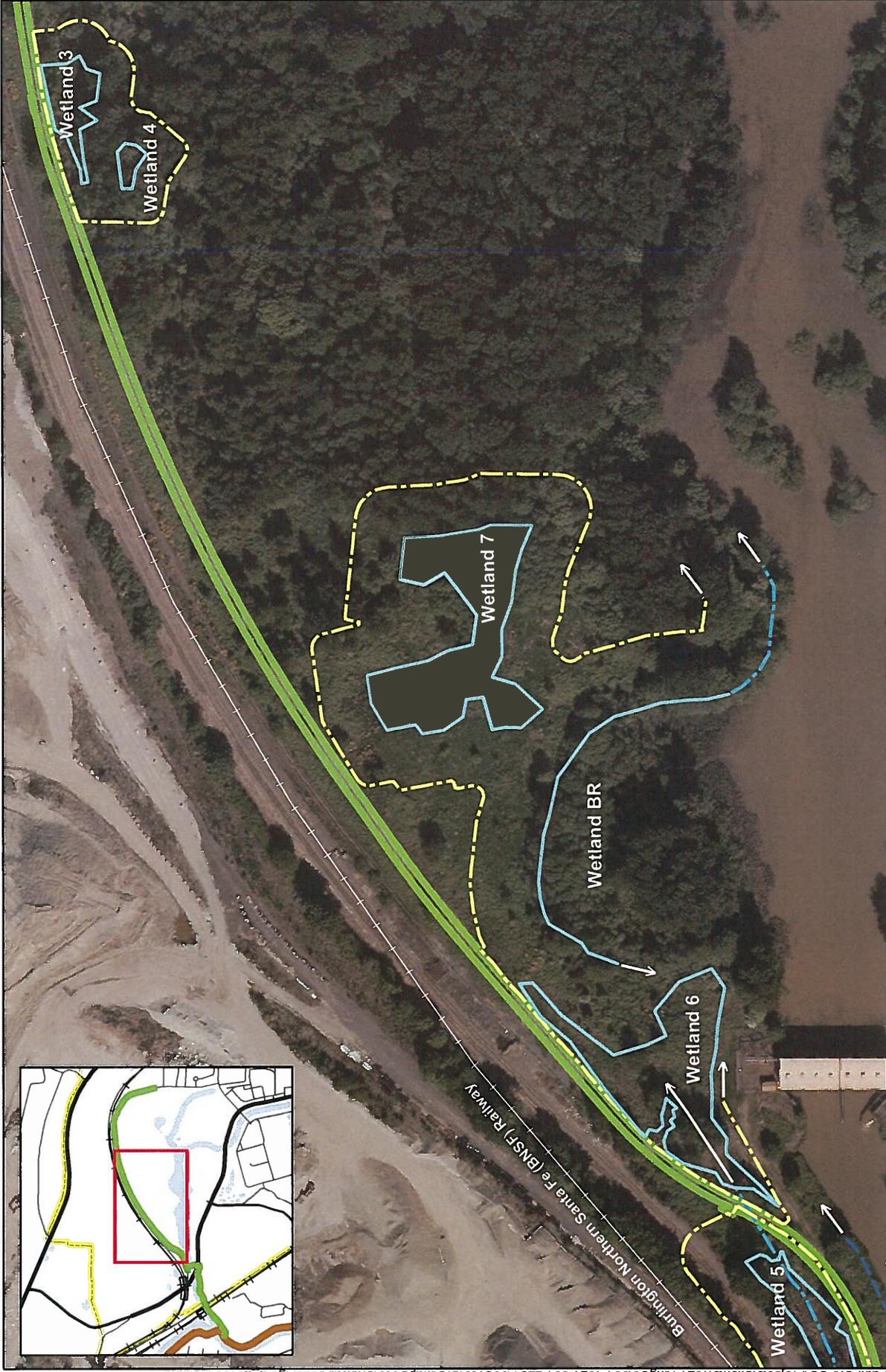
Parametrix



Legend:

| | | | |
|--|--------------------------|--|--------------------------------|
| | Proposed Trail Alignment | | River Ordinary High Water Mark |
| | Wetland | | Wetland Buffer |
| | City Boundary | | River Buffer |

Figure 3-1
Critical Areas
 Lake to Sound Trail — Segment A

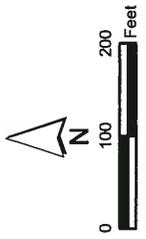


Sources: King County, City of Renton, Parametrix, WSDOT, Aerials Express 2009.

Parametrix

Legend:

- Proposed Trail Alignment
- Wetland
- Wetland Buffer
- City Boundary
- River Ordinary High Water Mark
- Wetland Buffer
- River Buffer

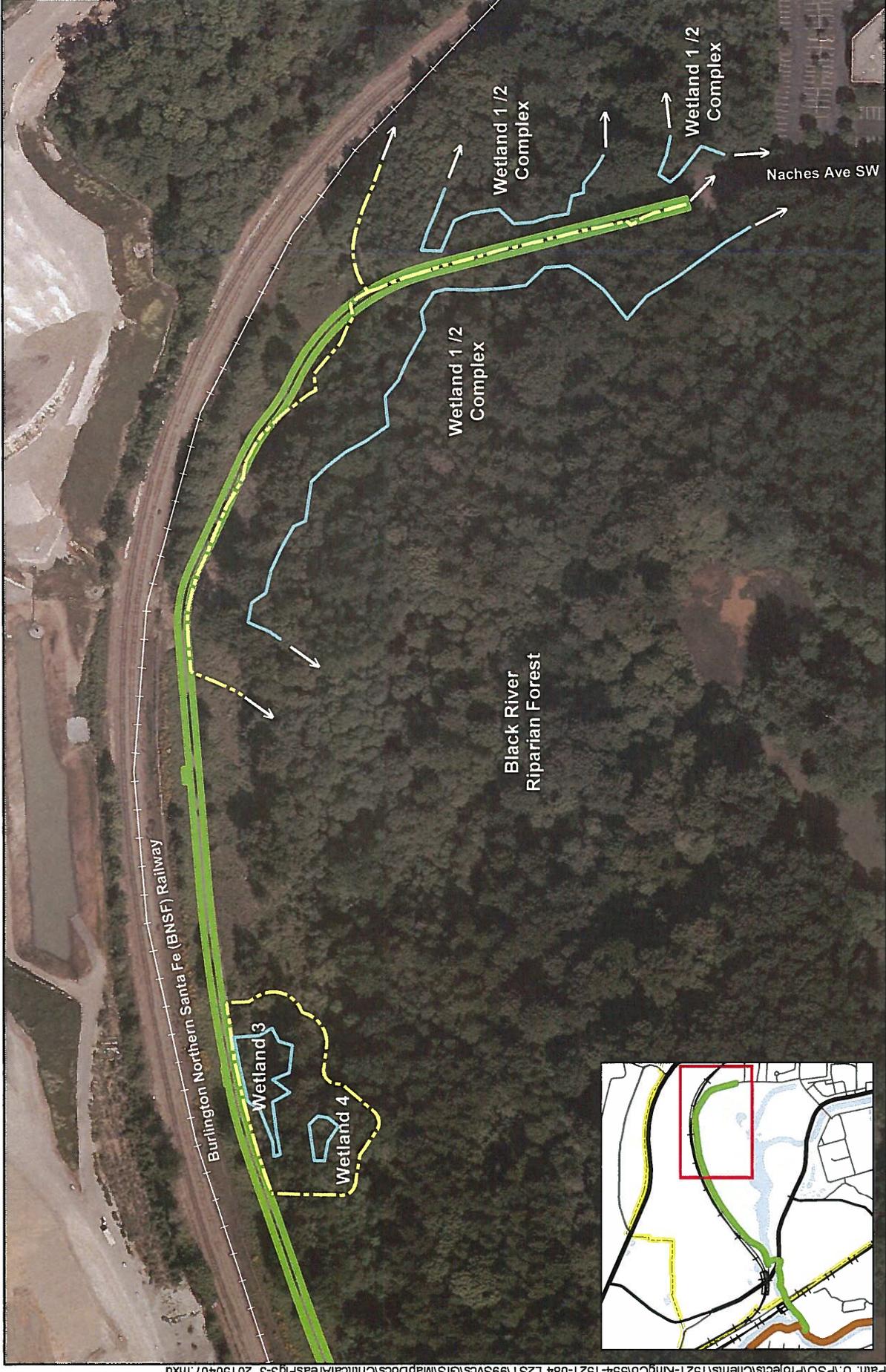


**Figure 3-2
Critical Areas**

Lake to Sound Trail — Segment A

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Parametrix

Sources: King County, City of Renton, Parametrix, WSDOT, Aerials Express 2009.

Legend:

- Proposed Trail Alignment
- Wetland
- City Boundary
- Wetland Buffer

Figure 3-3
Critical Areas
Lake to Sound Trail— Segment A

Denis Law
Mayor

EXHIBIT 4 |

renton



January 14, 2016

Community & Economic Development Department
C.E. "Chip" Vincent, Administrator

Washington State
Department of Ecology
Environmental Review Section
PO Box 47703
Olympia, WA 98504-7703

Subject: ENVIRONMENTAL (SEPA) THRESHOLD DETERMINATION

Transmitted herewith is a copy of the Environmental Determination for the following project reviewed by the Environmental Review Committee (ERC) on January 11, 2016:

SEPA DETERMINATION: Determination of Non-Significance Mitigated (DNSM)
PROJECT NAME: Lake to Sound Regional Trail – Segment A
PROJECT NUMBER: LUA15-000257, ECF, SSDP, S-CUP, S-V

Appeals of the environmental determination must be filed in writing on or before 5:00 p.m. on January 29, 2016, together with the required fee with: Hearing Examiner, City of Renton, 1055 South Grady Way, Renton, WA 98057. Appeals to the Examiner are governed by RMC 4-8-110 and information regarding the appeal process may be obtained from the City Clerk's Office, (425) 430-6510.

Please refer to the enclosed Notice of Environmental Determination for complete details. If you have questions, please call me at (425) 430-6593.

For the Environmental Review Committee,

A handwritten signature in black ink that reads "Kris Sorensen".

Kris Sorensen
Associate Planner

Enclosure

cc: King County Wastewater Treatment Division
Boyd Powers, Department of Natural Resources
Karen Walter, Fisheries, Muckleshoot Indian Tribe
Melissa Calvert, Muckleshoot Cultural Resources Program
Gretchen Kaehler, Office of Archaeology & Historic Preservation

Ramin Pazooki, WSDOT, NW Region
Larry Fisher, WDFW
Duwamish Tribal Office
US Army Corp. of Engineers

**ENVIRONMENTAL (SEPA) DETERMINATION OF NON-SIGNIFICANCE
- MITIGATED (DNS-M)**

PROJECT NUMBER: LUA15-000257, ECF, SSDP, S-CUP, S-V

APPLICANT: King County Parks, Attn: Jason Rich, Capital Projects; King Street Center, 7th Floor; 201 S. Jackson St.; Seattle, WA 98104

PROJECT NAME: Lake to Sound Regional Trail - Segment A

PROJECT DESCRIPTION: The applicant is requesting SEPA Environmental Review, a Shoreline Conditional Use Permit, a Shoreline Variance, and a Shoreline Substantial Development Permit to improve an existing informal 1.2-mile trail within the cities of Tukwila and Renton with a 12-foot wide paved trail and new bridge over the Black River. The proposal is part of a larger 16-mile Lake to Sound Trail that links Lake Washington to Puget Sound. Additional approvals for the Tukwila portion of the trail are required. A Renton Shoreline Variance from RMC 4-3-090.D.2.d.ix.f is required for the trail areas located in wetland buffers because the proposal exceeds a 4-foot width and is paved. In Renton, the trail is located on city owned and railroad owned parcels that are zoned Commercial Office (CO) and Resource Conservation (RC). In Tukwila, the trail is located on private and public parcels that are zoned Heavy Industrial (HI) and Low Density Residential (LDR). The trail area within Renton is located in the Black River-Springbrook Creek 'Natural' shoreline and associated wetland buffers. Within Tukwila, the trail is located within the 200-foot Green and Black River shoreline buffer regulation areas. Parts of the trail are located in the 1995 DFIRM Floodplain area. 1,500 cubic yards of grading and 3,000 cubic yards of fill are proposed. Trees would be removed along the trail alignment and within shoreline buffer areas. 98,297 square feet of mitigation and planting areas are proposed with native species. Other project elements include a new pedestrian crossing at Monster Road, undercrossings of railroad bridges, retaining walls, fences, signage, and stormwater improvements. Work would be limited to specific times of the year based on reducing impacts to nearby wildlife and overwater work for the new bridge. The project is anticipated to have no net loss of ecological function of the regulated shoreline areas as required by state, federal, and local regulations. Studies submitted include a Bridge Geotechnical Report, Vegetation and Wildlife Discipline Report, Critical Areas Report, Stream Discipline Report, Drainage Report, Endangered Species Act No Effect document, and NEPA Exemption. Construction work would begin in spring 2016 and last 12 months.

PROJECT LOCATION: Black River Riparian Forest in City of Renton and Fort Dent Park in City of Tukwila

LEAD AGENCY: City of Renton
Environmental Review Committee
Department of Community & Economic Development

The City of Renton Environmental Review Committee has determined that it does not have a probable significant adverse impact on the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(c). Conditions were imposed as mitigation measures by the Environmental Review Committee under their authority of Section 4-9-070D Renton Municipal Code. These conditions are necessary to mitigate environmental impacts identified during the environmental review process. Because other agencies of jurisdiction may be involved, the lead agency will not act on this proposal for fourteen (14) days.

Appeals of the environmental determination must be filed in writing on or before 5:00 p.m. on January 29, 2016. Appeals must be filed in writing together with the required fee with: Hearing Examiner, City of Renton, 1055 South Grady Way, Renton, WA 98057. Appeals to the Examiner are governed by RMC 4-8-110 and more information may be obtained from the Renton City Clerk's Office, (425) 430-6510.

DEPARTMENT OF COMMUNITY
AND ECONOMIC DEVELOPMENT



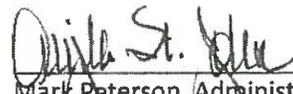
PUBLICATION DATE: January 15, 2016

DATE OF DECISION: January 11, 2016

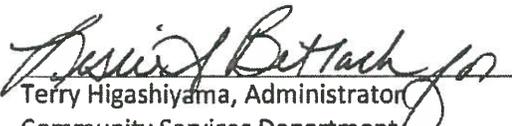
SIGNATURES:


Gregg Zimmerman, Administrator
Public Works Department

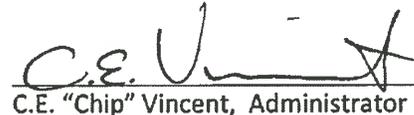
1/11/16
Date


Mark Peterson, Administrator
Fire & Emergency Services

1/11/16
Date


Terry Higashiyama, Administrator
Community Services Department

1-11-16
Date


C.E. "Chip" Vincent, Administrator
Department of Community &
Economic Development

1/11/16
Date

**DETERMINATION OF NON-SIGNIFICANCE-MITIGATED (DNSM)
MITIGATION MEASURES AND ADVISORY NOTES**

PROJECT NUMBER: LUA15-000257, ECF, SSDP, S-CUP, S-V

APPLICANT: King County Parks, Attn: Jason Rich, Capital Projects; King
Street Center, 7th Floor; 201 S. Jackson St.; Seattle, WA
98104

PROJECT NAME: Lake to Sound Regional Trail – Segement A

PROJECT DESCRIPTION: The applicant is requesting SEPA Environmental Review, a Shoreline Conditional Use Permit, a Shoreline Variance, and a Shoreline Substantial Development Permit to improve an existing informal 1.2-mile trail within the cities of Tukwila and Renton with a 12-foot wide paved trail and new bridge over the Black River. The proposal is part of a larger 16-mile Lake to Sound Trail that links Lake Washington to Puget Sound. Additional approvals for the Tukwila portion of the trail are required. A Renton Shoreline Variance from RMC 4-3-090.D.2.d.ix.f is required for the trail areas located in wetland buffers because the proposal exceeds a 4-foot width and is paved. In Renton, the trail is located on city owned and railroad owned parcels that are zoned Commercial Office (CO) and Resource Conservation (RC). In Tukwila, the trail is located on private and public parcels that are zoned Heavy Industrial (HI) and Low Density Residential (LDR). The trail area within Renton is located in the Black River-Springbrook Creek 'Natural' shoreline and associated wetland buffers. Within Tukwila, the trail is located within the 200-foot Green and Black River shoreline buffer regulation areas. Parts of the trail are located in the 1995 DFIRM Floodplain area. 1,500 cubic yards of grading and 3,000 cubic yards of fill are proposed. Trees would be removed along the trail alignment and within shoreline buffer areas. 98,297 square feet of mitigation and planting areas are proposed with native species. Other project elements include a new pedestrian crossing at Monster Road, undercrossings of railroad bridges, retaining walls, fences, signage, and stormwater improvements. Work would be limited to specific times of the year based on reducing impacts to nearby wildlife and overwater work for the new bridge. The project is anticipated to have no net loss of ecological function of the regulated shoreline areas as required by state, federal, and local regulations. Studies submitted include a Bridge Geotechnical Report, Vegetation and Wildlife Discipline Report, Critical Areas Report, Stream Discipline Report, Drainage Report, Endangered Species Act No Effect document, and NEPA Exemption. Construction work would begin in spring 2016 and last 12 months.

PROJECT LOCATION: Black River Riparian Forest in City of Renton and Fort Dent Park in City of Tukwila

LEAD AGENCY: The City of Renton
Department of Community & Economic Development
Planning Division

MITIGATION MEASURES:

1. The applicant shall provide any updated geotechnical report for the Black River Bridge which shall be submitted as part of required building permit application.
2. The applicant shall be required to comply with the recommendations included in the Draft Geotechnical Report-Black River Bridge, prepared by HWA GeoSciences Inc, dated February 24, 2015, Exhibit 9, or any updated geotechnical report created for the project.
3. The applicant shall follow the bridge construction impacts avoidance measures as listed in Appendix C of the September 2015 No-Effects Determination for the Lake to Sound Trail – Segment A, Exhibit 27.
4. The applicant shall follow the planting plan or an updated planting plan and monitoring and of the Final Critical Areas Study Appendix E, prepared by Parametrix, dated April 2015, Exhibit 6.
5. If any Native American grave(s) or archaeological/cultural resources (Native American artifacts) are found all construction activity shall stop and the owner/developer shall immediately notify the City of Renton planning department, concerned Tribes' cultural committees, and the Washington State Department of Archeology and Historic Preservation.

ADVISORY NOTES:

The following notes are supplemental information provided in conjunction with the administrative land use action. *Because these notes are provided as information only, they are not subject to the appeal process for the land use actions.*

PLAN Planning Review Land Use Version 1 | January 11, 2016
Engineering Review Comments Contact: Vicki Grover | 425 430 7291 | vgrover@rentonwa.gov
Recommendations: EXISTING CONDITIONS

Water service is not a requirement of this project.

Sanitary sewer is not a requirement of this project.

A Technical Information Report (TIR) was submitted, dated April 2015 and prepared by Parametrix. The project is exempt from water quality as the new impervious surface will not be pollution generating. The project is exempt from flow control when for a given Threshold Drainage Area (TDA); the 100 year peak runoff flow rate is within 0.1 cfs of the existing 100 year peak runoff flow rate. Testing of the runoff from the concrete recycling plant should be conducted prior to piping the flow into a wetland.

General Comments

1. All construction permits will require civil plans to include a TESC Plan and a SWPPP. Plans shall conform to the Renton Drafting Standards and be prepared by a licensed Civil Engineer.
2. A draft Geotechnical Report Lake to Sound Trail, Black River Bridge dated February 24, 2015 and authored by HWA Geosciences Inc. was submitted to the City of Renton (COR) on April 17, 2015. A "Final" geotechnical report will be required.
3. When construction plans are ready for review, please submit three (3) copies of the drawings, three (3) copies of the Drainage Report and permit application. What is the timing of the construction

phase? There are various recommendations for when and when not to be doing construction work based on various criteria from each of the reports.

Planning Review Comments **Contact: Kris Sorensen | 425 430 6593 | ksorensen@rentonwa.gov**

Recommendations: Planning:

1. RMC section 4 4 030.C.2 limits haul hours between 8:30 am to 3:30 pm, Monday through Friday unless otherwise approved by the Development Services Division.
2. Commercial, multi family, new single family and other nonresidential construction activities shall be restricted to the hours between seven o'clock (7:00) a.m. and eight o'clock (8:00) p.m., Monday through Friday. Work on Saturdays shall be restricted to the hours between nine o'clock (9:00) a.m. and eight o'clock (8:00) p.m. No work shall be permitted on Sundays.
3. Within thirty (30) days of completion of grading work, the applicant shall hydroseed or plant an appropriate ground cover over any portion of the site that is graded or cleared of vegetation and where no further construction work will occur within ninety (90) days.
Alternative measures such as mulch, sodding, or plastic covering as specified in the current King County Surface Water Management Design Manual as adopted by the City of Renton may be proposed between the dates of November 1st and March 31st of each year. The Development Services Division's approval of this work is required prior to final inspection and approval of the permit.
4. A National Permit Discharge Elimination System (NPDES) permit is required when more than one acre is being cleared.
5. The applicant may not fill, excavate, stack or store any equipment, dispose of any materials, supplies or fluids, operate any equipment, install impervious surfaces, or compact the earth in any way within the area defined by the drip line of any tree to be retained.

CITY OF
Renton 

NOTICE

**OF ENVIRONMENTAL DETERMINATION
ISSUANCE OF A DETERMINATION OF NONSIGNIFICANCE - MITIGATED (DNS-M)
POSTED TO NOTIFY INTERESTED PERSONS OF AN ENVIRONMENTAL ACTION**

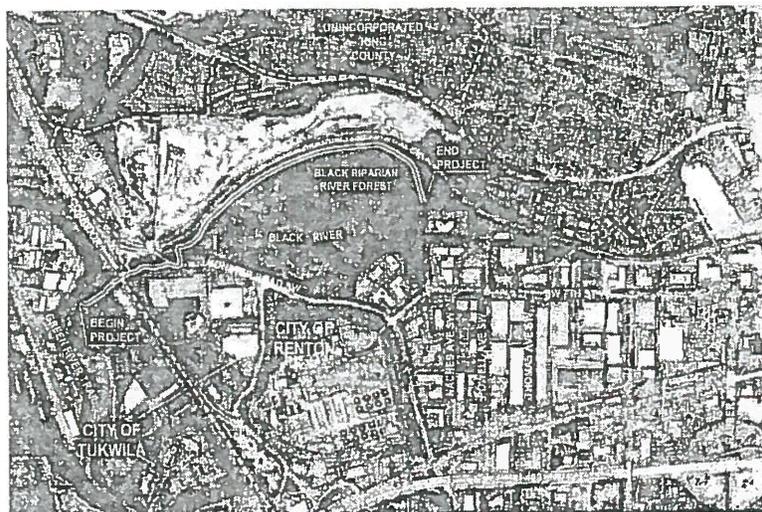
PROJECT NAME: LAKE TO SOUND REGIONAL TRAIL – SEGEMENT A
PROJECT NUMBER: LUA15-000257, ECF, SSDP, S-CUP, S-V
LOCATION: BLACK RIVER RIPARIAN FOREST IN CITY OF RENTON AND FORT DENT PARK IN CITY OF TUKWILA

DESCRIPTION: THE APPLICANT REQUESTS SEPA REVIEW, SHORELINE CONDITIONAL USE PERMIT, A SHORELINE VARIANCE, AND SHORELINE SUBSTANTIAL DEVELOPMENT PERMIT TO IMPROVE AN EXISTING INFORMAL 1.2-MILE TRAIL INTO A NONMOTORIZED MULTI-PURPOSE ROUTE AND INCLUDES A NEW 114 FT PEDESTRIAN BRIDGE OVER THE BLACK RIVER. THE PROJECT IS "SEGMENT A" OF THE THE LAKE TO SOUND TRAIL, A CONTINUOUS 16-MILE-LONG REGIONAL CORRIDOR LINKING LAKE WASHINGTON TO PUGET SOUND. SEGMENT A TRAVELS THROUGH THE BLACK RIVER RIPARIAN FOREST FROM NACHES AVE SW IN CITY OF RENTON, CROSSING MONSTER RD SW, TO ARRIVE AT FORT DENT PARK IN CITY OF TUKWILA.

THE CITY OF RENTON ENVIRONMENTAL REVIEW COMMITTEE (ERC) HAS DETERMINED THAT THE PROPOSED ACTION HAS PROBABLE SIGNIFICANT IMPACTS THAT CAN BE MITIGATED THROUGH MITIGATION MEASURES.

Appeals of the environmental determination must be filed in writing on or before 5:00 p.m. on January 29, 2016, together with the required fee with: Hearing Examiner, City of Renton, 1055 South Grady Way, Renton, WA 98057. Appeals to the Examiner are governed by City of RMC 4-8-110 and information regarding the appeal process may be obtained from the Renton City Clerk's Office, (425) 430-6510.

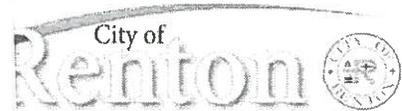
A PUBLIC HEARING WILL BE HELD BY THE RENTON HEARING EXAMINER AT HIS REGULAR MEETING IN THE COUNCIL CHAMBERS ON THE 7TH FLOOR OF CITY HALL, 1055 SOUTH GRADY WAY, RENTON, WASHINGTON, ON **FEBRUARY 16, 2016 AT 11:00 AM** TO CONSIDER THE Shoreline Substantial Development Permit, Shoreline Conditional Use Permit. IF THE ENVIRONMENTAL DETERMINATION IS APPEALED, THE APPEAL WILL BE HEARD AS PART OF THIS PUBLIC HEARING.



FOR FURTHER INFORMATION, PLEASE CONTACT THE CITY OF RENTON, DEPARTMENT OF COMMUNITY & ECONOMIC DEVELOPMENT AT (425) 430-7200.

DO NOT REMOVE THIS NOTICE WITHOUT PROPER AUTHORIZATION

PLEASE INCLUDE THE PROJECT NUMBER WHEN CALLING FOR PROPER FILE IDENTIFICATION.



TREE RETENTION WORKSHEET

Planning Division
1055 South Grady Way-Renton, WA 98057
Phone: 425-430-7200 Fax: 425-430-7231

| | | |
|--|---------------|-----------------|
| 1. Total number of trees over 6" diameter ¹ , or alder or cottonwood trees at least 8" in diameter on project site | <u>16,000</u> | trees |
| 2. Deductions: Certain trees are excluded from the retention calculation: | | |
| Trees that are dangerous ² | <u>0</u> | trees |
| Trees in proposed public streets | <u>0</u> | trees |
| Trees in proposed private access easements/tracts | <u>0</u> | trees |
| Trees in critical areas ³ and buffers | <u>8,000</u> | trees |
| Total number of excluded trees : | <u>8,000</u> | trees |
| 3. Subtract line 2 from line 1 : | <u>8,000</u> | trees |
| 4. Next, to determine the number of trees that must be retained ⁴ , multiply line 3 by: | | |
| 0.3 in zones RC, R-1, R-4, R-6 or R-8 | | |
| 0.2 in all other residential zones | | |
| 0.1 in all commercial and industrial zones | <u>2,400</u> | trees |
| 5. List the number of 6" in diameter, or alder or cottonwood trees over 8" in diameter that you are proposing ⁵ to retain ⁴ : | <u>7,869</u> | trees |
| 6. Subtract line 5 from line 4 for trees to be replaced : (if line 6 is zero or less, stop here. No replacement trees are required) | <u>0</u> | trees |
| 7. Multiply line 6 by 12" for number of required replacement inches : | <u>0</u> | inches |
| 8. Proposed size of trees to meet additional planting requirement: (Minimum 2" caliper trees required) | <u>0</u> | inches per tree |
| 9. Divide line 7 by line 8 for number of replacement trees ⁶ : (If remainder is .5 or greater, round up to the next whole number) | <u>0</u> | trees |

¹ Measured at 4.5' above grade.

² A tree certified, in a written report, as dead, terminally diseased, damaged, or otherwise dangerous to persons or property by a licensed landscape architect, or certified arborist, and approved by the City.

³ Critical areas, such as wetlands, streams, floodplains and protected slopes, are defined in RMC 4-3-050.

⁴ Count only those trees to be retained outside of critical areas and buffers.

⁵ The City may require modification of the tree retention plan to ensure retention of the maximum number of trees per RMC 4-4-130H7a.

⁶ When the required number of protected trees cannot be retained, replacement trees, with at least a two-inch (2") caliper or an evergreen at least six feet (6') tall, shall be planted. See RMC 4-4-130.H.1.e.(ii) for prohibited types of replacement trees.

Minimum Tree Density

A minimum tree density shall be maintained on each **residentially zoned** lot (exempting single-family dwellings in R-10 and R-14). The tree density may consist of existing trees, replacement trees, or a combination.

Detached single-family development⁷: Two (2) significant trees⁸ for every five thousand (5,000) sq. ft. of lot area. *For example, a lot with 9,600 square feet and a detached single-family house is required to have four (4) significant trees or their equivalent in caliper inches (one or more trees with a combined diameter of 24”). This is determined with the following formula:*

$$\left(\frac{\text{Lot Area}}{5,000 \text{ sq.ft.}} \right) \times 2 = \text{Minimum Number of Trees}$$

Multi-family development (attached dwellings): Four (4) significant trees⁸ for every five thousand (5,000) sq. ft. of lot area.

$$\left(\frac{\text{Lot Area}}{5,000 \text{ sq.ft.}} \right) \times 4 = \text{Minimum Number of Trees}$$

Example Tree Density Table:

| Lot | Lot size | Min significant trees required | New Trees | Retained Trees | Compliant |
|-----|----------|--------------------------------|----------------|--|-----------|
| 1 | 5,000 | 2 | 2 @ 2" caliper | 0 | Yes |
| 2 | 10,000 | 4 | 0 | 1 tree (24 caliper inches) | Yes |
| 3 | 15,000 | 6 | 2 @ 2" caliper | 1 Maple – 15 caliper inches 1 Fir – 9 caliper inches. | Yes |

⁷ Lots developed with detached dwellings in the R-10 and R-14 zoned are exempt from maintaining a minimum number of significant trees onsite, however they are not exempt from the annual tree removal limits.

⁸ Or the gross equivalent of caliper inches provided by one (1) or more trees.

Lake to Sound Trail
Segment A
Renton Permits

NOTES ON TREE RETENTION WORKSHEET

1. Total number of trees

The site traverses a site of about 80 acres.

We did not do a tree survey over the entire site

We estimate 200 trees per acre, based on the tree density in a mature Pacific Northwest Forest from the following publications:

Hardwoods of the Pacific Northwest, S.S. Niemiec, G.R. Ahrens, S. Willits, and D.E. Hibbs. 1995. Research Contribution 8. Oregon State University, Forest Research Laboratory

<http://owic.oregonstate.edu/red-alder-alnus-rubra>

Yield tables for managed stands of coast Douglas-fir Curtis, Robert O.; Clendenen, Gary W.; Reukema, Donald L.; DeMars, Donald J. 1982. Yield tables for managed stands of coast Douglas-fir. Gen. Tech. Rep. PNW-GTR-135. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. 182 p.

http://www.fs.fed.us/pnw/publications/pnw_gtr135/pnw_gtr135a.pdf

Portions of the site have been cleared with limited tree cover, however this estimate is likely to be relatively accurate.

2. The deduction for 60 Critical Areas includes both wetlands and buffers. Wetlands have not been fully delineated, so this is a rough estimate. It is intended to be conservative. If wetlands and buffers are a greater percent of the sit, the number of trees required to be retained would be lower.
4. Trees that must be retained: The estimate of 2,400 was based on the maximum multiplier of .3. This is the tree count for the entire site outside Critical Areas, not just the portion within or near the trail corridor.
5. Trees proposed to be retained are all trees, minus 151 designated for removal = 7849 which is 98 percent of the trees on the non-critical portion of the site.
9. Tree replacement is proposed for all trees removed.