Parks, Recreation and Cultural Services/Tree Board

January 23, 2014

Parks, Recreation and Cultural Services Board
2014 Meeting Schedule

Date:	Time	Location:
February 27	7:00 p.m.	Shoreline City Hall, Room 303
March 26	7:00 p.m.	Shoreline City Hall, Room 303
April 24	7:00 p.m.	Shoreline City Hall, Room 303
May 22	7:00 p.m.	Shoreline City Hall, Room 302
June 26	7:00 p.m.	Shoreline City Hall, Room 303
July 24	6:00 p.m.	Annual Tour of Parks and Facilities
August 28	7:00 p.m.	Shoreline City Hall, Room 303
September 25	7:00 p.m.	Shoreline City Hall, Room 303
October 23	7:00 p.m.	Shoreline City Hall, Room 303
December 4	7:00 p.m.	Shoreline City Hall Room 303

AGENDA

PARKS, RECREATION & CULTURAL SERVICES/TREE BOARD REGULAR MEETING

Thursday, January 23, 2014
7:00 p.m.

Room 303 · Shoreline City Hall
17500 Midvale Ave North

			Estimated Time
1.	**CALL TO ORDER/ATTENDANCE**		7:00
2.	**APPROVAL OF AGENDA**	Action	7:01
3.	**APPROVAL OF MINUTES**	Action	7:02
4.	**PUBLIC COMMENT**		7:03

During General Public Comment, members of the public may sign in to address the Board on agenda items or any other topic for three minutes or less, depending on the number of people wishing to speak. PRCS/Tree Board meetings are audio recorded and available to the public.

5.	**COMMENTS FROM THE BOARD**		7:06
6.	**STAFF REPORT**		7:10
7.	**UNFINISHED BUSINESS**		
	Urban Forest Strategic Plan Open House Debrief	Discussion	7:25
8.	**NEW BUSINESS**		
	Sunset Community Garden Committee Appointment	Action	7:40
	University of Washington Student Project at RBSW Park	Action	7:50
	Approval of 2014 Public Art Plan	Action	8:05
	PRCS/Tree Board Internal Business • Meeting location/room set up • Areas of interest • Other recommendations • 2014 PRCS /Tree Board Work Plan	Discussion	8:15
9.	**ADJOURNMENT**		9:00

The PRCS/Tree Board meeting is wheelchair accessible. Any person requiring a disability accommodation should contact the City Clerk's Office at 801-2230 in advance for more information. For TTY telephone service call 546-0457.

Dates to Remember

City Council Business Meeting / Appointment of Youth Board Member

- Date: 01/27/2014 07:00 PM
- Location: Shoreline City Council Chamber

Celebrate Shoreline Community Meeting

- Date: 01/28/2014 06:00 PM – 7:00 PM
- Location: Shoreline City Hall room 301

Gallery at City Hall Open House

- Date: 01/30/2014 05:30 PM - 07:00 PM
- Location: Shoreline City Hall

Spec Rec Bingo Night

- Date: 01/31/2014 06:00 PM - 08:00 PM
- Location: Spartan Recreation Center

Teen Ski & Snowboard

- Date: 02/01/2014 & 02/18/2014 08:00 AM - 05:00 PM
- Location: Snoqualmie Summit/Meet at the REC

Kitsap Wine & Cider Tour

- Date: 02/01/2014 08:30 AM - 06:30 PM
- Location: Meet at the Spartan Recreation Center

ShoreDog/Shoreline Off-Leash Dog Area Annual Member Event

- Date: 02/04/2014 07:00 PM - 08:30 PM
- Location: City Hall Room 301

Spec Rec Valentines Dance

- Date: 02/07/2014 06:30 PM - 08:30 PM
- Location: Spartan Recreation Center

Eastside Off-Leash Dog Area Volunteer Work Party

- Date: 02/08/2014 11:00 AM - 01:00 PM
- Location: Eastside Off-Leash Dog Area at Fircrest

Meeting Minutes for the Parks, Recreation and Cultural Services Board / Tree Board
Regular Meeting

December 5, 2013 **Shoreline City Hall**
7:00 p.m. **Room 301**

1. Call to Order/Attendance

The meeting was called to order by Chair Beth at 7:00 p.m.

Park Board Members Present: Katie Beth, John Hoey, Christine Southwick, Betsy Robertson, Kevin McAuliffe, Garry Lingerfelt

Excused absence: Jesse Sycuro

City Staff Present: Dick Deal, Director; Maureen Colaizzi, Parks Projects Coordinator; Kirk Peterson, Parks Maintenance Superintendent; Lynn Gabrieli, Administrative Assistant III

2. Approval of Agenda: Chair Beth called for a motion to approve the agenda as written. So moved by Mr. McAulliffe and seconded by Ms. Southwick. The motion carried.

3. Approval of Minutes: Chair Beth called for the motion to approve the October minutes as written. So moved by Ms. Robertson and seconded by Mr. Hoey. The motion carried.

4. Public Comment

Boni Biery, Shoreline, provided feedback related to the Urban Forestry Strategic Planning matrix in the packet. Ms. Biery encouraged the assignment of dollar values to publicly owned trees and advocated for the establishment of a tree population based on native trees of maximum canopy volume wherever suitable for the natural environment. She would like to see the Tree Board have a voice in everything related to trees in the City.

5. Comments from the Board

Ms. Southwick attended the dedication of the WoodWave and enjoyed both the celebration and the sculpture itself.

6. Staff Reports

Kirk Peterson, Parks Maintenance Superintendent

- New signage has been installed at Hillwood Park and Kruckeberg Botanic Garden.
- Holiday lights have been hung in North City.
- Beavers have been active at Boeing Creek Open Space. The City has installed fencing around vulnerable significant trees.
- The City is conducting a property boundary survey at Richmond Reserve to address invasive ivy and respond to community requests for Park upgrades.
- Thirteen hazardous Lombardy poplar trees will be removed from Twin Ponds Park beginning December 9. The Board requested that one or two of the trees be left as snags for wildlife habitat.

Public Comment (by permission of the Chair):Meghan Peterka, Shoreline, expressed concern that to replant trees in the area where the poplars are being removed would be to overcrowd the planting area. Mr. Peterson stated that replacement trees will be strategically placed throughout the park rather than concentrated in one area.

Dick Deal on behalf of Mary Reidy, Recreation Superintendent

- Winter special events: Holiday Crafts Market was another success in November, the Christmas Ship will be at Richmond Beach next Tuesday, December 10, and Breakfast with Santa is this Saturday, December 7.
- The Youth and Teen program cooked Thanksgiving dinner at the REC for 40 of their peers.
- Specialized Recreation has two basketball teams this year.
- Assessment of the pool roof and ventilation has been postponed due to weather. The pool will be closed February 24-March 8 for annual maintenance.
- The Winter Recreation Guide will be in mailboxes by the end of December.
- Ms. Reidy will share the results of a survey regarding recreation programming this winter.

Maureen Colaizzi, Park Development

- Sunset School Park received a grant from King County to fund the Community Garden and Phase 2 amenities which are expected to go to bid this spring.
- Plans to bid the Echo Lake Park improvements should be complete this spring.
- ShoreDog is in need of new membership/leadership to continue to maintain and expand programming for off-leash dog areas. Several meetings have been scheduled over the coming months to elect new leaders and establish a work plan.
- University of Washington students have been volunteering with the City of Shoreline Parks Department since 2007. Students will come to the Board in January for approval for their 2014 environmental stewardship proposals.
- Mountains to Sound Greenway Trust has planted over 400 trees at South Woods Park. A grant with King County funded a two acre improvement project on that site.

7. Unfinished Business

Urban Forest Strategic Plan Retreat Summary

Elizabeth Walker, Consultant, led the Board through a discussion of three items: The tree inventory, the vision statement, and top key objectives.

Tree Inventory

- 1600 trees were inventoried in ten of Shoreline's major corridors. Ms. Walker presented the results of the inventory to the Board as identified in the agenda packet.

Top Key Objectives

- Ms. Walker reviewed the Top Key Objectives identified in green on the matrix that the Board identified as the priorities that would guide the Board to move forward. Mr. Deal stated that the public will be invited to comment on these objectives, among other topics related to the Strategic Plan, at the public open house on January 23 just prior to the next Board meeting.

Vision Statement

- Ms. Walker projected feedback received from Ms. Southwick and Mr. Sycuro and encouraged the Board to think about key words from the PROS Plan, Sustainability Strategy, Climate Action Plan, and Vision 2029 as they formulate their vision statement.
- Ms. Walker presented the following draft Vision Statement Proposal: *Shoreline is dedicated to protect and manage its vibrant and thriving urban forest through good stewardship by the City and citizens alike in order to preserve and enhance its benefit to the environment and the livability of the community today and for generations to come.*

- The Board provided input which will result in a draft vision statement to be presented to the public at the January open house for ongoing feedback.

8. New Business

Community Garden Update

a. Appointment of new Twin Ponds garden committee member

Based on his expression of interest, staff recommended Board appointment of Randy Eakin to the unexpired Giving Garden Coordinator term left by Jeanne Powell. **Ms. Beth called for the motion to approve. So moved by Mr. McAuliffe and seconded by Ms. Southwick. The motion carried.**

b. Approval of Sunset plot donation to Hopelink

In response to a written request by Hopelink Food Bank for space at the new Sunset Community Garden, Chair Beth called for the motion to approve the donation of two plots to Hopelink. So moved by Ms. Southwick and seconded by Mr. Lingerfelt. The motion carried.

Richmond Beach Saltwater Park Pedestrian Bridge Repair

Noel Hupprich, Capital Projects Manager, presented background and contextual information to provide a basis for understanding the repairs required to extend the life of the bridge including the following:

- Replace the fill around each abutment with more structurally stable material,
- Install longitudinal bracings at two locations,
- Replace two rotted and cracked pile caps,
- Replace steel pan decking with precast concrete panels,
- Replace the rotted timber curbing and chain link fence along the walkway portion of the bridge.
- The project will involve a complete bridge closure and will take an estimated 8 weeks to complete. City residents and interest groups will be notified.
- Total project budget equals $300,000.

2014 Work Plan

Mr. Deal reviewed the status of the 2013 PRCS/Tree Board Work Plan and presented a draft 2014 work plan (attachment A). Ms. Robertson expressed her desire to include a broader scope of the Board's purview in the work plan. Mr. Hoey also expressed a desire to balance the Board's tree-related responsibilities with Cultural Services and Recreation. Mr. Deal acknowledged the time that the Urban Forestry Strategic Plan is taking. He applauded the Board's desire to be more inclusive. Further conversation will be scheduled into future meetings and the Board's desires will be included in the 2nd and 3rd quarter of the Work Plan.

Ms. Robertson and Mr. Lingerfelt spoke to their preference for meeting less formally in a conference room rather than in Council Chambers in order to foster a more realistic connection to the community. Ms. Southwick stressed the importance of including public feedback in decision making.

9. Adjournment

Hearing no further business Chair Beth called for the motion to adjourn. So moved by Ms. Robertson and seconded by Ms. Southwick. The meeting of the Board adjourned at 8:53 p.m.

_____	_____	_____	_____
Signature of Chair Katie Beth	Date	Signature of Minute Writer Lynn Gabrieli	Date

2013 PRCS / Tree Board Work Plan

Adopted January, 2013

Q-1 January - March

- **Review Shoreline Urban Forest Findings Report**
- **Plan Arbor Day event**
- **Review Earth Corps Holly Strategy**
- **Receive First Tree City USA Designation**
- **Quarterly Update on Tree Work and permit activity**
- **Host Sunset School Park Community Meeting**

Q-2 April - June

- **Training of new Board members on Parks, Arts, Tree, and Recreational work of Dept.**
- **Quarterly Update on Tree Work and permit activity**
- **Discuss Regional Trail Signage Strategy COMPLETED IN Q-4**
- **Review Shoreline Pool Assessment**
- Recommend Pesticide Use Policy for Council Approval DELAYED
- Shoreline CC Joint Use Agreement Review DELAYED
- **Appoint Arts Committee Members**
- **Approve Sunset School Phase 1 improvements**

Q-3 July - September

- **Quarterly Update on Tree Work and permit activity**
- **Review of Alcohol in Parks Policy**
- **Begin Update of ROW Tree inventory (if grant received from DNR)**
- **Begin work on Urban Forestry Management Strategy (if grant received from DNR or other funding source)**
- **Board discussion of the Urban Forest Management Strategy (UFMS)***

Q-4 October - December

- Review Ordinance 627 and ROW Tree list MOVED TO Q-1 2014
- **Quarterly Update on tree work and permit activity**
- Shoreline School District Joint Use Agreement review MOVED TO Q-2 2014

BOLDED Work Plan Items Completed in 2013

Timeline for Urban Forest Management Strategy

- **August** – Discuss at PRCS/Tree Board meeting
- **September - October**
  - ½ day retreat

  - Public open house
- **November – January**
  - Create and review draft strategy language
- **February – March**
  - Present draft to community and City Council
- **April – May**
  - Finalize Plan
  - Board and Council adoption

2014 PRCS / Tree Board Draft Work Plan

Q-1 January - March

- Community Open House for Urban Forest Strategic Plan
- ROW Tree List Community Discussion
- Plan Arbor Day event
- Final Review of RBSWP Bridge Upgrade
- Receive Second Tree City USA Designation
- Quarterly Update on Tree Work and permit activity
- Sunset School Park Community Art Project Discussion
- Recommend Pesticide Use Policy for Council
- Final Review of Shoreline Pool Assessment

Q-2 April - June

- Urban Forest Strategic Plan Final Discussion / Approval and Forwarded to Council for Adoption
- ROW Tree List Finalized
- Training of new Youth Board members on Parks, Arts, Tree, and Recreational work of Dept.
- Quarterly Update on Tree Work and permit activity
- Shoreline CC Joint Use Agreement Review
- Shoreline School District Joint Use Agreement Review
- Sunset School Park Community Garden Dedication

Q-3 July - September

- Quarterly Update on Tree Work and permit activity
- Echo Lake Park Improvements Dedication
- CIP 2015 -2020 Review and Discussion
- 2015 Proposed Department Budget Review
- Board discussion of the Urban Forest Management Strategy Implementation
- Finalize Shoreline School District Joint Use Agreement Update

Q-4 October - December

- Quarterly Update on tree work and permit activity
- PROS Plan Mid-Term Review

Memorandum

DATE: January 16, 2014

TO: Parks, Recreation, and Cultural Services/Tree Board

FROM: Lynn Gabrieli, Administrative Assistant III

RE: Sunset Community Garden Committee

CC: PRCS Staff

We are eagerly anticipating the opening of another Shoreline community garden at Sunset School Park this spring. In order to provide community-led oversight of the garden plots similar to that which has worked so well at Twin Ponds, volunteers for a Sunset committee were solicited during the plot renewal process last fall. Additional volunteers will be recruited once the registration process is complete in March.

As a result of the fall registration process three individuals applied to be on the Sunset site leadership committee: Sarah Baker, and Glenda and Ben Fabrizio. All three have transferred their plots from Twin Ponds to Sunset and all have extensive gardening experience. Their applications are attached. Staff has met with the three applicants and enthusiastically recommends their appointment to the committee for a one-year renewable term, effective immediately.

Community Garden Site Leadership Committee Application

The purpose of a Leadership Committee is to provide a structure and process for exploring ideas, solving problems, and building community at the garden. This committee will consider feedback from the gardeners, meet regularly as determined by the members, record meeting notes, be self-directed, and appoint a point of contact with Parks Department staff. The committee has the freedom to make decisions related to the garden *except* in the following cases:

- If the decision involves City funds and/or staff time
- If the decision changes the Master Site Plan for the garden
- If the decision changes the Garden Covenant
- If the decision involves disciplinary and/or legal action

In those cases the committee and staff will collaborate to find an acceptable solution. In all cases clear and frequent communication with City staff is the expectation. A mutually supportive relationship between the City and the Committee is the goal.

The committee will be composed of the Board-appointed Giving Garden Coordinators plus 3 current plot holders. Members of the committee will be appointed by the Park Board to a one-year renewable term beginning each year in January.

Committee members will be selected based on the following criteria:

- Current plot holder in a Shoreline Community Garden
- The ability to be part of a team
- An enthusiasm for the garden
- Skills and/or knowledge in one or more areas such as composting, master gardening, general construction/maintenance, event planning, education.

Name	Glenda & Ben Fabrizio
Address	319 NW Richmond Beach Road #242
City, State, ZIP	Shoreline, WA 98177
Phone ~~(Days)~~ (Cell)	(206) 228-6312 (G)
Phone ~~(Eves)~~	(206) 227-9230 (B)
Email Address	glenda.fabrizio@gmail.com
Location:	
☐ **Twin Ponds Park**	
☒ **Sunset School Park**	

(See reverse)

In 200 words or less, please describe your interest in being on the Garden Leadership Committee and mail your completed application by **November 20, 2013** to:

Parks, Recreation and Cultural Services
City of Shoreline
17500 Midvale Ave. N.
Shoreline, WA 98133
Attn: Community Garden Committee Application

Or attach your application as an email to lpeterson@shorelinewa.gov

Questions? pks@shorelinewa.gov or (206) 801-2602

My husband, Ben, and I are very interested in the Leadership Committee at the new Sunset Community Garden. We have been community farmers in Shoreline since the onset of the Twin Ponds gardens and are very excited for this new location and it's potential.

Ben has background in welding and construction, which can be helpful in all of the developmental areas of the garden plots, shed, etc. He is also currently enrolled at North Seattle Community College in the Computer Aided Drafting major, which is also a great instrument for layout and development of the garden areas.

I, Glenda, was raised on a farm in the Midwest that boasted a 2 acre produce garden plot! (amongst other additions such as compost pits, animals, berry plots, apple trees, etc) Everyday we were put to work in the garden, ate all of our meals from our garden, and learned a great deal on how to tend, care for, and harvest a successful garden. I guess I cannot be called a "Master Gardener" but I do have a wealth of knowledge. I also am a Culinary Graduate from the Le Cordon Bleu Institute in Minneapolis. This degree not only opened my eyes to much more in the world of food, but also sustainable living and preservation. I would be happy to hold a "Cooking from your Garden" class or other options for use of your produce.

Ben and I have had a personal garden at our residence for many years until we moved into a condo and at that time we were able to procure a plot with the City of Shoreline. We are planning to buy land and live sustainably on our own produce and local goods, and this is only more knowledge for us to take with us later.
We have canned, dried, and frozen ALL of our produce that we did not eat immediately, from this year and will be able to provide our family of 3 with an entire winters worth of foods from our precious 100 square feet! We would love to help others reach their goals or just be available to help in any way possible.

We live within walking distance of Sunset and could be there to deal with emergencies in little to no time – if any arose. We hope you will consider us for the Leadership Committee! Thank you.

Glenda & Ben Fabrizio

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- An enthusiasm for the garden
- Skills and/or knowledge in one or more areas such as composting, master gardening, general construction/maintenance, event planning, education.

Name Sarah Baker	
Address 19216 15th Ave NW	
City, State, ZIP Shoreline 98177	
Phone (Days) 425 351 4819	Phone (Eves)
Email Address Sarahe699@hotmail.com	
Location:	
☒ **Twin Ponds Park** – 2013	
☒ **Sunset School Park** – 2014	

(See reverse)

In 200 words or less, please describe your interest in being on the Garden Leadership Committee and mail your completed application by **November 20, 2013** to:

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Shoreline, WA 98133
Attn: Community Garden Committee Application

Or attach your application as an email to lpeterson@shorelinewa.gov

Questions? pks@shorelinewa.gov or (206) 801-2602

I am interested in participating this season. I was unable to do so last year and wish that I had been able to do so. I am excited to see the community garden program in Shoreline expand, and I would like to help the Sunset School garden get off to a strong start...!

I do not have a great deal of free time to devote to the committee, but I am willing to make it a priority. I also have experience in Seattle's P-patch program (as a plot holder) and helpful horticultural experience and training.

Memorandum

DATE: **January 17, 2014**

TO: **Shoreline Parks, Recreation and Cultural Services Board**

FROM: **Maureen Colaizzi, Parks Project Coordinator**
Parks, Recreation and Cultural Services Department

RE: **UW REN Capstone Project at Richmond Beach Saltwater Park**

I am excited to announce that Richmond Beach Saltwater Park was selected as a project site for another University of Washington Restoration Ecology Network group student capstone project this year. A group of six students have been busy preparing a proposal for approximately a quarter acre restoration site in the park.

Attached you will find a copy of their proposal which provides an aerial of the project site, a description of their proposed work and a schedule. They will be presenting their proposed project for your approval at your meeting on January 23rd.

If you have any questions, please call me at (206) 801-2603.

UW-REN CAPSTONE

Richmond Beach Saltwater Park

Final Proposal

Prepared for: Maureen Colaizzi & Diane Brewster

12/4/2013

Prepared by: Marcienne Scofield, Jordin Buttenob, Nathan Rex, Echo Walker, Melia Lam, and Shannon Serier

CONTENTS

SITE DESCRIPTION

Richmond Beach Saltwater Park is a 42 acre park located at 2021 NW 190th St, along the shore of Puget Sound in the city of Shoreline, approximately nine miles north of downtown Seattle (Figure 1). Our restoration site (hereafter referred to as "site") is approximately 0.24 acres of steep, moderately eroded slopes with a high cover of invasive vegetation. The southern portion of the site borders a road and a public staircase, the western portion of the site borders an existing trail and a playground, and the remainder of the site borders unrestored vegetation on slopes of varying degrees of steepness. From 1905-1915, Richmond Beach Saltwater Park functioned as a sand and gravel mine which accounts for the steep slopes and bowl-shaped landscape still present at the park today (Touchstone Ecoservices 2008).

Since 1995, the city has constructed picnic shelters, a play area, beach trail improvements, and basic habitat restoration along the shoreline. In 2006, the City of Shoreline began coordinating the UW-REN Capstone courses to complete additional small-scale restoration projects on the central and southern slopes of the park. As of today, five restoration projects have been completed as a joint venture between the city and UW-REN, restoring a total of approximately 1.25 acres (Figure 2).

SITE ASSESSMENT

The soils of our site are dominated by unstable sandy soils across a varying range of slopes. Overall, the soil is highly permeable sand and loamy sand with little capacity for water retention and high infiltration, creating a soil environment drier than typical western Washington ecosystems. The moderate to steep slopes of the site result in unstable soils which are easily disturbed and eroded without the presence of vegetation with penetrating root systems.

The site is surrounded by residential neighborhoods to the north, south, and east. The most heavily trafficked main street is approximately 0.25 miles from the site and is buffered by residential lots and other vegetation before reaching the park. Most stormwater will be captured and transported though the park through roadside storm drains. There were no apparent social trails on our site and we do not anticipate many issues with off-trail recreational use.

The site vegetation is dominated by Scotch Broom (*Cytisus scoparius*) which outcompetes native species but also contributes to erosion prevention. Overall, the litter composition of the area consists of downed *C. scoparius*, with some native grasses and forbs throughout the site.

POLYGON SELECTION

The site was divided into three polygons based on differences in topography (minimal through steep slopes) and, concurrently, density of vegetation cover (as we found that vegetation density and slope steepness were positively correlated). Overall the site has two major inclination categories, with a relatively flat upper area on the east end of the site and moderate to steep slopes to the west (Figure 3).

Polygon 1 is the most diverse of the current polygons, as it is located on a minimally sloped upland area and includes planned landscaping with installed native and non-native upland species. The

south and southeastern edge of the polygon border a sidewalk, and the 10 foot southern border of our site that borders the sidewalk is landscaped, mulched, and heavily maintained. Polygon 1 also comprises the majority of woody vegetation on the site as well as the majority of the shrub cover. There is a small patch of Shore Pine (*Pinus contorta*, 5-10% cover) at the highest elevation which creates the only upper canopy cover (>15 ft) on the entire site.

Polygon 2 consists of a steep, bowl-shaped hillside slope. This polygon is the least diverse though it is rich with micro-depressions and other opportunities to encourage diversity. The sloped hillside is dominated by *C. scoparius* (~95% cover) and Roadside Rock Moss (*Racomitrium canescens*) under the *C. scoparius* canopy (~ 95% cover). There is some diversity in the moss-lichen groundcover community, supporting a small fungal population and several common, weedy plant species like Ribwort Plantain (*Plantago lanceolata,* ~ 5-15% cover).

Polygon 3 is considered the lowland 'foot' of the hill slope. It has the sandiest soil and supports a much larger grass community including non-native European Beachgrass (*Ammophila arenaria*) and Reed Canary Grass (*Phalaris arundinacea*) and native Alaska Brome (*Bromus sitchensis*) and Bluejoint grass (*Calamagrostis canadensis*) (~ 30% cover). It also supports *C. scoparius* (~25% cover) and *R. canescens* (~ 25% cover). There is minimal *C. scoparius* present at the site due to summer removal by volunteers, so root systems still remain intact, helping to hold the soil in place. This area likely still has the highest erosion potential, as evidenced by its patchy, exposed, sandy soils and also hosts the highest diversity of invasive species. This site seems to hold promise for hosting a variety of pollinators, as at least two bee species were observed at the time of the site assessment.

Throughout the site, erosion and invasive colonization are the main disturbances. In polygons 1 and 2, invasive *C. scoparius* is the main problem, which out-competes the native species for resources, subsequently reducing the growth of other plants and decreasing the diversity throughout the site. As we move westward on the site towards polygon 3, the additional problem of erosion arises.

The steep topography, poor soil conditions (low moisture retention, lack of nutrients), dearth of competitive native species, and relatively dry conditions over the entire site create conditions that are beneficial to common and easily dispersed colonizing invasive species. On our site, *C. scoparius* has taken over much of the groundcover and even if removed, has deposited a significant seed bank. Additionally, *C. scoparius* is a nitrogen-fixer and has likely changed the soil chemistry of our site over time. Finally, even if the *C. scoparius* was removed, the site would still require considerable maintenance, as the site is surrounded by other patches of invasive species and seed dispersal onto our site will definitely occur.

GOALS & OBJECTIVES

Goal 1: *Facilitate the dominance of native plant ecosystems and habitats that are common to steep, dry, and sandy regions of the coastal Puget Sound.*

Objective 1-1: Maintain native ground vegetation during removal and suppression of exotic

invasive species.

Objective 1-2: Create conditions that are unfavorable to invasive vegetation while favorable to native systems.

Objective 1-3: Install drought tolerant species that will be able to survive through seasonal temperature and water availability extremes.

Objective 1-4: Design a soil environment that will foster root establishment in native plants during initial establishment on site.

Goal 2: *Create a physically stable soil environment that will contribute to native plant establishment and long-term ecological success.*

Objective 2-1: Prevent surface erosion using native species with expansive near-surface root systems to stabilize soils.

Objective 2-2: Improve slope stability using bioengineering techniques and landscape features that prevent erosion and encourage revegetation.

Goal 3: *Enhance and maintain the recreational and aesthetic value of Richmond Beach Saltwater Park.*

Objective 3-1: Use plant species that are pleasing to look at while still beneficial to the ecology of the area.

Objective 3-2: Incorporate plants that are safe for children.

Objective 3-3: Maintain open views of the Puget Sound from upper areas of the park.

Goal 4: *Engage the local community, strengthen volunteer involvement, and ensure the continued stewardship and maintenance of restoration sites at Richmond Beach Saltwater Park.*

Objective 4-1: Recruit local residents to participate in the restoration process.

Objective 4-2: Educate the public on the restorative process and how completing a restoration improves the quality of area.

Objective 4-3: Create a maintenance plan for the site that can be accomplished with an organized volunteer group, designated to lead maintenance efforts.

BASIC APPROACH

Our restoration approach will be designed to limit the impact to rooting systems of already established native plants because they are currently the most effective erosion prevention on our site. We also hope to encourage an open dune-grass community structure with graminoids and flowering species.

We chose Howarth Park, located approximately 16 miles northeast of our site in Everett, Washington, as a reference site (Figure 4). Similar to our site, it is a popular recreational saltwater park on the east coast of the Puget Sound. The area consists of a coniferous forest, a creek, and a bluff on the west part of the site, bordering Puget Sound (Frappier 2013). The bluffed area is similar to the ecosystem at our site and will serve as our reference site. Recent restoration efforts at Howarth Park have improved aesthetics, removed invasives, installed native vegetation, and controlled erosion along the buffs (Frappier 2013). Similar to our site, Howarth Park has *C. scoparius*, in addition to Himalayan Blackberry (*Rubus armeniacus*) that dominate the sandy soils and outcompete native vegetation. We will refer to their restoration strategy and gauge its effectiveness when preparing the Richmond Beach work and maintenance plans. Howarth Park has significantly more trees than our site has currently or planned for the future, so main parts of the strategy for erosion control will likely differ. However, the soils still share similar characteristics so we plan to examine the impact of invasive removal and disturbance on erosion. By observing and researching the treatment of a similar ecosystem at Howarth Park, we hope to use gain knowledge and utilize comparable techniques in designing, installing, and managing our site.

Invasive *C. scoparius* can tolerate a wide range of conditions but prefers dry, well-drained soils, easily outcompeting native vegetation at our site. Additionally, the plant has easily dispersed and recalcitrant seeds that can persist in the soil for up to 60 years (King County 2013). The first step in our restoration process will be the removal of invasive *C. scoparius* so that native vegetation will be able to reestablish (Goal 1). Smaller *C. scoparius* (stems with a diameter less than 2 in.) will be pulled out to remove the root system and the stems of larger *C. scoparius* will be cut to the ground to limit the disturbance to soil and existing vegetation (Obj. 1-1) (King Country 2013). We hope that by avoiding the use of a weed wrench and cutting large *C. scoparius*, the root systems of native plans will remain intact, contributing to soil stability and erosion prevention. Removing *C. scoparius* will significantly reduce seed dispersal rates around our site so existing native grasses and understory vegetation have a chance to re-establish (Obj. 1-2).

The City of Shoreline experiences monthly highs in precipitation of up to 6 in. per month in November and December and lows of 0.75 in. per month in July and August (Weather Patterns and Forecasts 2013). While the city of Shoreline had planned to install irrigation lines in the long-term, industrial irrigation lines have been deemed unfeasible and we plan to pursue the installation of filter hose irrigation while selecting plants appropriate for summer site conditions (Obj. 1-4) (D. Brewster, personal communication, November 14, 2013). In anticipation of the dry summer months and due to the lack of available irrigation, we will select drought-tolerant plants for our site (Obj. 1-3). We will also work with the city of Shoreline to design, obtain, and install a simple drip irrigation system on-site (Obj. 1-4).

Since portions of our site are steeply sloped, we will need to focus on erosion control as we design and install our restoration project (Goal 2). We intend to install native vegetation, including drought tolerant grasses and herbaceous ground covering shrubs, throughout polygon 2 to help control erosion (Obj. 2-1). In addition to installing vegetation, we plan to use mulch as an initial layer of erosion prevention and soil conditioning (Obj. 2-2). After mulch has been spread, we plan

to use live bundles, or fascines, placed throughout polygon 2 to help slow erosion and further establish vegetation (Obj. 2-2).

Richmond Beach Saltwater Park is known for its expansive view of the Puget Sound (Figure 5). We plan to preserve the view of the Sound and the recreational benefits of the site (Goal 3). We will install plants that do not interfere with the existing aesthetics of the area and flowering species that enhance aesthetics (Obj. 3-1). The majority of plants on our planting list will be ground cover shrubs, graminoids, and forbs to maintain a low canopy cover to preserve the westward view of the Sound (Obj. 3-3). Since our site is close to a playground and heavily used trails, we will also ensure that we select species that will not be harmful to humans and animals so that park goers can feel safe (Obj. 3-2). Additionally, we will not plant any dense shrubs or trees within 20 ft. of the playground (D. Brewster, personal communication, November 14 2013) to ensure the area surrounding the playground is open and safe (Obj. 3-2).

Throughout our involvement with Richmond Beach Saltwater Park, we intend to encourage community involvement through volunteer opportunities, education, and outreach (Goal 4). Beginning in the fall quarter, our volunteer coordinators will reach out to local businesses for donations of food and money to enhance upcoming volunteer work parties. Also during the fall and winter quarters, the coordinators will contact Shoreline schools, targeting teachers that have been receptive to Richmond Beach restoration efforts in the past, to recruit volunteers for work party events for Saltwater Park Richmond Beach restoration (Obj. 4-1). At the beginning of each restoration work party, the volunteers will receive training on the difference between native and invasive species and learn about the positive impacts of restoration in the area, including short and long term benefits (Obj. 4-2). Project outreach will also be conducted through various electronic means and social media websites, as well as local word of mouth and advertising. Finally, in the months of April and May, a maintenance plan will be created for the future preservation and maintenance of our site (Obj. 4-3). During this time, we hope to communicate with and involve schools and teachers who showed interest in our restoration efforts to ensure a commitment to long-term maintenance.

LONG-TERM PROSPECTS

For the Richmond Beach 2013-2014 Capstone site, the processes of natural succession will be limited due to ongoing anthropogenic maintenance of the site. The site is located in a public park popular with joggers, dog-walkers and playing school children and families. Additionally, there is a need for high visibility throughout the site in order to protect both public safety and the aesthetic goals for the sites planned public use (D. Brewster, personal communication, November 14, 2013). As such, the park is relatively manicured and maintained. Therefore, canopy cover will not be present in the form of trees and even our use of shrub canopy will be quite sparing. If maintenance were not to proceed, trees and shrubs may invade the site. Because the park is maintained by the city, trees moving into the site naturally will likely be removed by humans. Thus, the Richmond Beach site will most likely be maintained in an arrested stage of early- to seral-succession. In other words, rather than eventually transforming into forest land, it will most likely retain an open dune-grass community structure after implementation, similar to other bluff ecosystems.

Native dune grasses will likely represent the majority of community composition, although we would like to install pollinator-focused flowering plants to support the bees and other pollinators that are already on site, potentially even attracting new ones. After implementation, we envision a hillside of dune grass. Additionally, we hope to preserve the moss community while managing the non-native and invasive species which seek to invade the site and disrupt the native plant community. In short, we expect to have a native, dune grass dominant plant community including flowering plants, herbaceous groundcover and moss, which will support a macro-invertebrate community.

In 50 years, the composition of the plant community will remain relatively unchanged due to artificial maintenance of the site over time. Trees and large shrubs will not grow in the immediate area for as long as maintenance and human activity continues, we can expect a large degree of arrested succession. Without the shade of an upper canopy cover, the control of invasive will most likely be an ongoing effort requiring annual removal efforts (hopefully to a diminishing degree as the native community becomes more established). The grass community will become better established and native plants will begin to establish themselves and become competitive. Fewer invaders will be present but some control will most likely be necessary as long as there is no canopy. In 100-200 years the same would follow. If the human community were to no longer maintain the area, there is a chance that tree saplings would move in, such as the Black Cottonwood (*Populus balsamifera* ssp. *trichocarpa*) that is presently attempting to establish itself along the upper East ridge, and that the Shore Pines may even move down the hillside, moving closer to the ocean. However, it is possible that without human intervention a tree canopy may not develop significantly due to the wind and salt spray from the nearby Puget Sound, along with the poor, sandy soils which are not generally conducive to forest communities. There is also the chance that non-native invaders could reintegrate into the plant community, with or without human interactions and maintenance.

Essentially, the successful control of invasive species and the installation of drought tolerant graminoid species will be vital to the success of the restoration project. By focusing on native, drought tolerant species with spreading, rhizomal qualities, we can limit invasion and encourage native plant dominance while stabilizing the hillside and limiting erosion. By maintaining the moss cover, we can help the soils retain water and native seeds, add nutrients, and maintain a moderate soil environment by reducing daytime surface temperatures in the summer. This in turn will help limit invasives and foster a healthy soil complex and macroinvertebrate community. Finally, by focusing on flowering, pollinator friendly plant forms, we can aid in the sustainability of the site over the long-term. Particular challenges will be to make the landscape aesthetically pleasing to the community partners while still developing a diverse and sustainable ecosystem and particularly the control of invasive species such as the Scotch Broom which currently dominates the site.

To meet these challenges we must design a maintenance plan that can rely on volunteer labor while addressing decades of maintenance and allowing for the natural evolution of the plant and animal communities, particularly in light of ongoing climate change. Firstly, we need to recognize and design expecting that the majority of maintenance and additional restoration work around Richmond Beach will be completed by volunteers and future capstone courses. We will focus

expected maintenance on tasks that volunteers can complete like manual invasive removal and native planting, avoiding the use of heavy machinery or herbicides. When selecting our species and their placements within the sites, it will also be important to consider changing climates including the expected short and long term changes associated with the area, particularly the projected increases in precipitation and temperature. By carefully considering the future climate, the present climate, the native and non-native plants and animals and their associated ecosystem functions along with the growing demand for human recreational and educational uses of public park areas, we should be able to efficiently meet our community partners' goals for the site and ensure the sustainable and ecologically effective state of the site for years and generations to come.

PRELIMINARY TIMELINE

Our project timeline begins with volunteer and community sponsor coordination to establish an accurate draft proposal and begin initial research to inform our work plan (Figure 6). After contacting local vendors for donations during the end of fall quarter, we will begin coordinating internally design parts of the work plan and our volunteer work parties. At this time our team will also work on reaching out to community coordinators, newspapers, and local schools who may be interested in volunteering with us. The majority of these tasks should be completed by mid-January. From now through the duration of our project, our team will continue to contact volunteers and community coordinators to maintain and ensure volunteer participation.

In mid-to-late January we will present an outline of our work plan to the Shoreline Community Council. Once our plan has been approved by mid-February, we will place planting orders and begin working to coordinate work parties and delivery of additional amendments, irrigation systems, and mulch. By early March we will be preparing for upcoming invasive removal and plant installation work parties. Work parties will likely continue monthly through May, or until the main labor on the project is completed. Throughout the project, our finances will be kept up-to-date and we will maintain a record of volunteer waivers and liability forms.

TEAM QUALIFICATIONS

Our proposal focuses on the removal of invasive species and the installation of native species with assistance from volunteer labor, the development of a volunteer-based maintenance plan, all while completing expected deliverables, maintaining an accurate project schedule, and keeping detailed financial records. Our team has over 20 years combined schooling in subjects that directly related to ecological restoration, in topics such as environmental science, restoration ecology, biology, and environmental studies (Table 1). While we will all contribute to multiple aspects of the project, sections leads have been assigned based upon subject interest and past experience.

Echo Walker will be coordinating invasive species removal and the installation of native species. She had worked with the Plant Propagation Crew in the North Cascades National Park, giving her experience in the removal of invasive species, the propagation of native species, the germination and growth of plants via greenhouses and native plant gardens, as well as in the identification, data

assessment, and cataloging of collected plant species. Meliaokalani Lam and Shannon Serrier are the volunteer coordinators, as they both have extensive volunteering experience and Meliaokalani has worked at the Richmond Beach site in the previous years.

Marcienne Scofield will be coordinating the deliverables, as she has previous experience working on large regulatory documents, such as Environmental Impact Statements and Environmental Assessments. Jordin Buttenob is the project scheduling lead, as he has extensive leadership experience from his time with the U.S. Air Force and is interested in project management. Finally, Nathan Rex, who has experience with a multitude of volunteer organizations, will be coordinating finances for our site—likely working closely with Echo, the plant lead.

Table 1. Team members and relevant qualifications

Team Member	Qualifications
Jordin Buttenob	Jordin Buttenob is a senior at UW Seattle majoring in Environmental Science and Terrestrial Resource Management. He has been an avid outdoorsman and environmental steward throughout his life. Additionally, he has worked in several soil analysis labs conducting a variety of chemical and observational tests on samples. Currently, he is spending his senior year focusing on restoration ecology principles and practices, enhancing his previous wilderness knowledge from his time in the United States Air Force.
Marcienne Scofield	Marcienne Scofield is a graduate student currently pursuing a degree in Civil & Environmental Engineering and a Certificate in Restoration Ecology at the UW Seattle campus. She has a B.S. in Ecology and Environmental Science from the University of Maine, where she was also on the soil judging team.
Echo Walker	Echo Walker is an undergraduate majoring in Environmental Studies, with a minor in Restoration Ecology at the UW Bothell campus. Her time as an AmeriCorps member has given her the skills to collaborate on group projects, organize volunteers, and fundraise for events and she has experience in environmental education.
Nathan Rex	Nathan Rex is a senior obtaining a B.S. in Biology, as well as minors in both Restoration Ecology and Fishery Science at the Seattle Campus. His academic studies have allowed him to be involved in several restoration projects. In addition, he also spends time volunteering at EarthCorps, furthering his knowledge in restorative efforts.
Meliaokalani Lam	Melia is currently pursuing a degree in Environmental Studies at the UW Bothell Campus. She has knowledge of invasive removal and restoration techniques, due to her time volunteering at previous UW-REN sites at Richmond Beach Saltwater Park.
Shannon Serier	Shannon Serier is currently pursuing a B.S. in Environmental Science & Resource Management at the UW Seattle Campus. During her undergraduate career, she has gained restoration knowledge, through her volunteering with the Washington Trails Association. In addition, she has spent a lot of time helping direct volunteers and participating at outreach events, through her internship with COASST, a citizen science program.

FIGURES

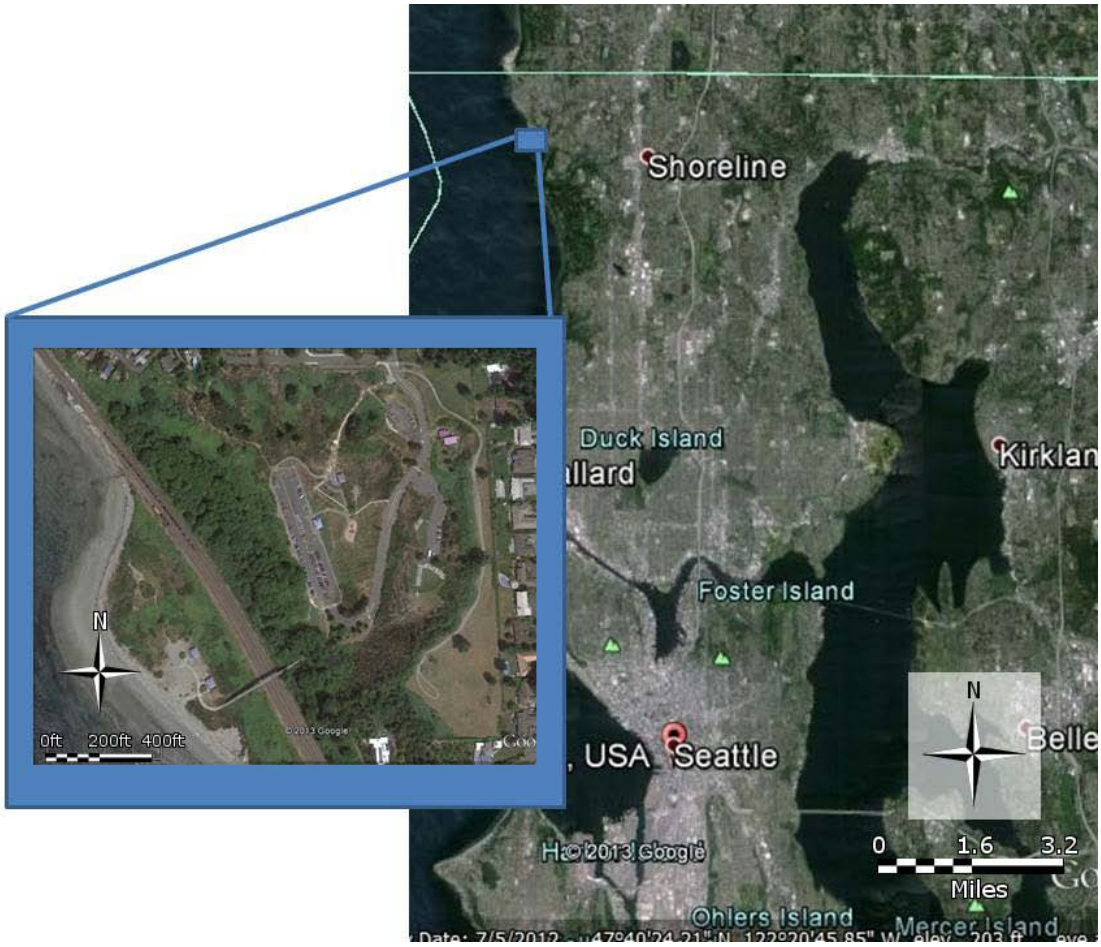

Figure 1. Location of Richmond Beach Saltwater Park (inset) in Puget Sound Region. Images from Google Maps

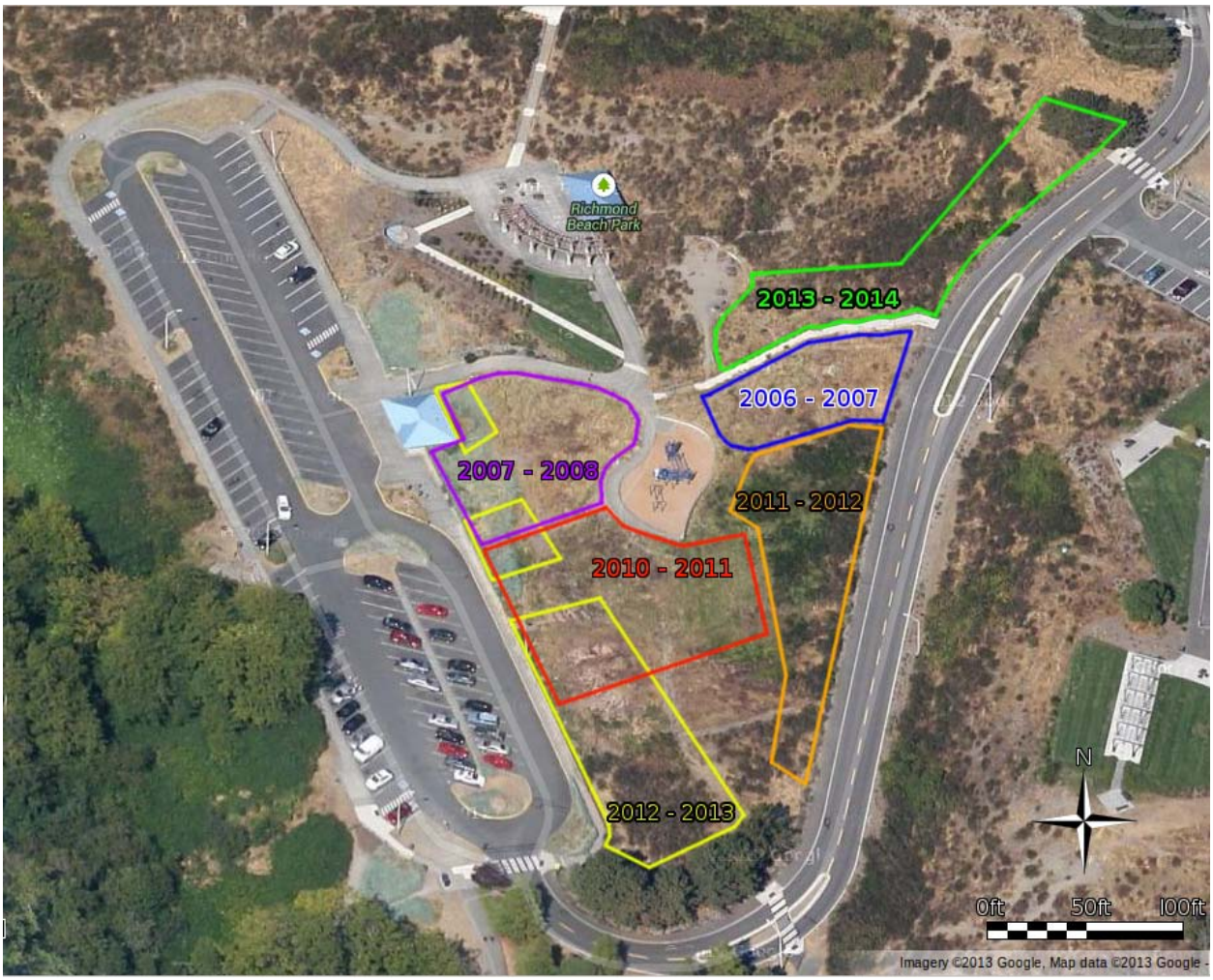

Figure 2. UW-REN Restoration Projects at Richmond Beach Saltwater Park

Figure 3. Topographic Map of Restoration Site in 3 Polygons

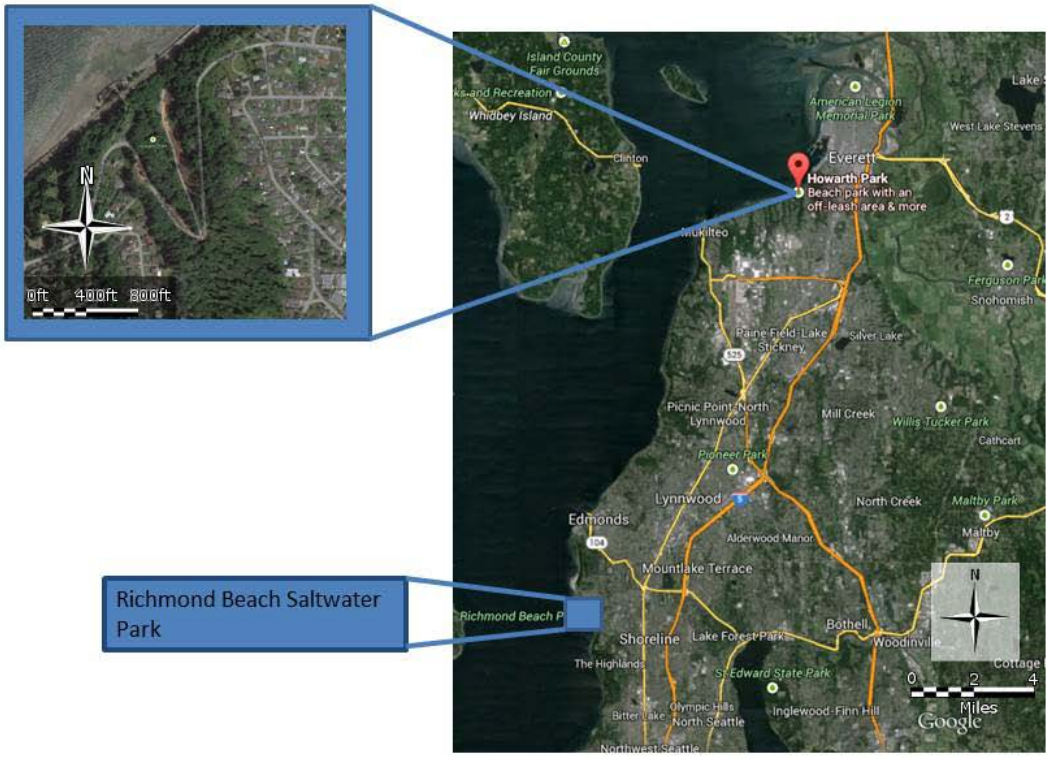

Figure 4. Location of Howarth Park (inset) relative to Richmond Beach

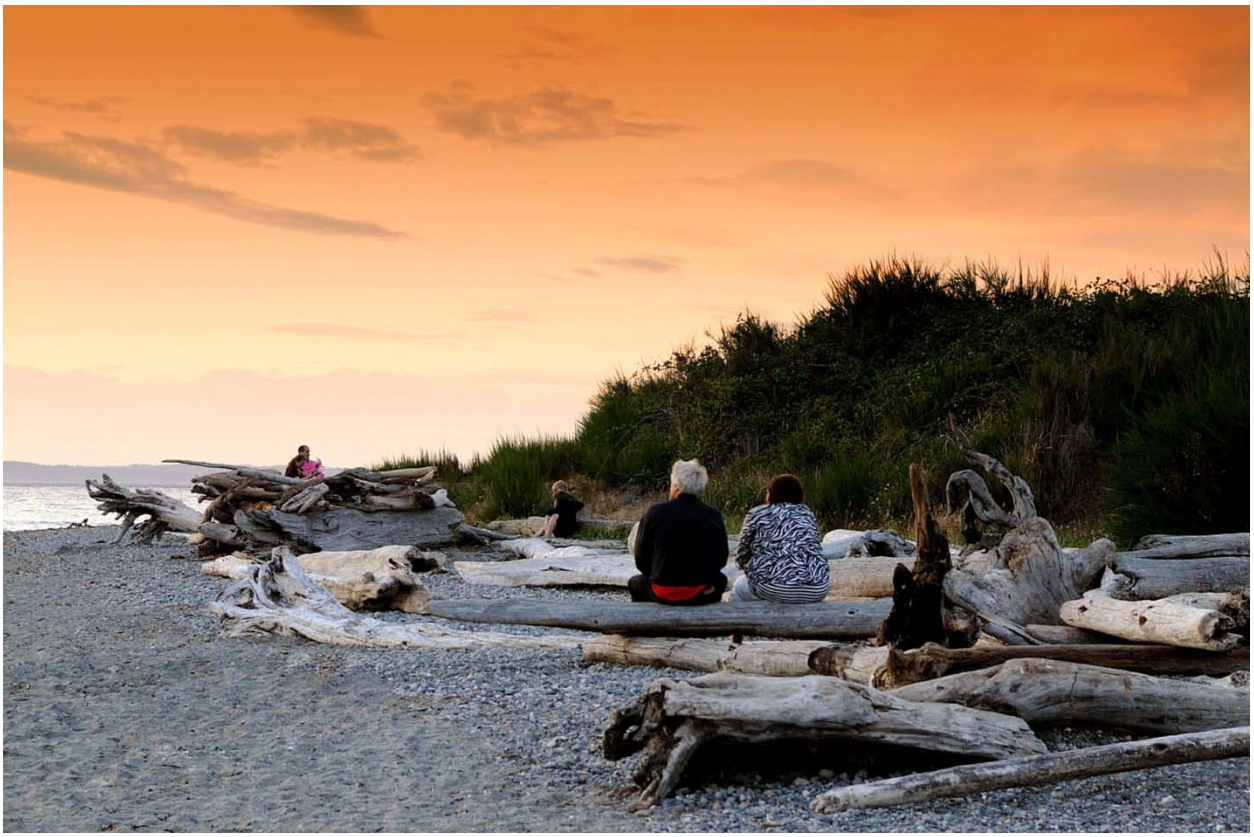

Figure 5. Sunset from Richmond Beach Saltwater Park. (Mountains to Sound Greenway Trust, 2013)

Saltwater Park/Richmond Beach Year-long GANT Chart																	
Task	**October**		**November**		**December**		**January**		**February**		**March**		**April**		**May**		**June**
Initial Site Visit																	
Complete Site Assessment																	
Produce Draft Proposal																	
Finish Final Proposal																	
Assess reference site																	
Contact local vendors for donations																	
Contact/Maintain Contact with Community Coordinators, Teachers, newspapers																	
Collect baseline data for subsequent monitoring																	
Maintain volunteer participation																	
Present proposed Work Plan to Shoreline Community Council																	
Prepare and complete Work Plan																	
Receive work plan approval																	
Order plants																	
Update finances																	
Recruit Volunteers																	
Prepare for Work Parties																	
Remove and control invasive plants																	
Install native plants, mulch, fascines, and drip irrigation																	
Maintain previous projects																	
Maintain current project																	
Complete As-Built & Maintenance Plan																	
Final Symposium																	

Figure 6. Year-long GANT Chart

REFERENCES

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CITY OF SHORELINE

Memorandum

DATE: January 15, 2014

TO: Park Board members

FROM: Ros Bird

RE: 2014 Annual Public Art Plan and Budget

CC: Dick Deal, Lynn Gabrieli

The Art Committee met in December and January to review the 1% for Public Art Fund status and determine appropriate projects and budget for 2014. The Committee's 2014 recommendation includes:

Public Art	Cost	Fund Sources			
2014 Proposed Projects	**Total Cost**	**Pooled Funds**	**Carry over**	**Parks Admin**	**Total Funds**
Piano Time	**$10,000**	10,000			**$10,000**
Sculpture Stroll	**$13,000**	13,000			**$13,000**
Very temp art	**$2,900**	2,900			**$2,900**
Aurora bookend & replace banner plan	**$1,500**	1,500			**$1,500**
Sculpture purchase and install	**$17,650**	9,350	8,300		**$17,650**
Gallery at City Hall	**$4,000**	4,000			**$4,000**
Neighborhood Project(s)	**$7,000**	6,000		1,000	**$7,000**
Art & Biz - EcoDevo/local business	**$500**			500	**$500**
Other Projects listed below	**$9,702**			9,702	**$9,702**
	$66,252	**$46,750**	**$8,300**	**$11,202**	**$66,252**

The Other Projects include but are not limited to:

- Shorecrest & Shorewood art committees through ArtsWA
- Kruckeberg art committee & student/professional art installations
- SummerSet Arts Fest/Ronald Bog event
- Arts Crush in October
- 4Culture or other site-specific projects
- Other neighborhood projects
- Art & private development plan
- General arts administration: grantwriting, marketing, web info, collection documentation,

Although the Fund continues to show decreasing allocations for the foreseeable future, the Committee does not want to diminish the Public Art programs and their impact on the community developed over the last eight years. Rather, they prefer to continue and even enhance projects and work to grow the Fund in other ways.

Recommendation:

The Park Board Art Committee recommends approval by the Park Board of this Public Art plan for 2014.

Memorandum

DATE: January 17, 2014

TO: Parks, Recreation and Cultural Services (PRCS)/Tree,Board

FROM: John Vicente, Capital Projects Manager

THRU: Dick Deal, PRCS Director
Maureen Colaizzi, Parks Projects Coordinator

RE: NE 195th Separated Trail Project Update

This report is for information only. No action is required.

In 2011, the NE 195th Street between 1st Avenue NE and 5th Avenue NE was identified in the Transportation Master Plan as a missing link of the non-motorized system.

In 2012, the City's Transportation Division applied for and was **awarded $371,950** in federal Congestion Mitigation/Air Quality (CMAQ) grant funds to design and build a pedestrian and bicycle separated trail facility along NE 195th Street between 1st Avenue NE and 5th Avenue NE. Approximately $150,000 of the $2.5 million Trail Corridor Project (2006 Voter Approved Open Space, Parks and Trail Bond) will be used as part of the 13% match requirement for this grant.

In 2011, the PRCS Department led a project to build a separated trail in unimproved Right-of Way between Meridian Avenue N and 1st Avenue NE as a project of the $2.5 million Trail Corridor Project.

The NE 195th Street Separated Trail Project will continue the non-motorized trail link from 1st Avenue NE to 5th Avenue NE along the north side of NE 195th Street.

This project is along the Interurban Trail to the Burke Gilman Trail Connector northern route (see attached map). The northern route follows N/NE 195th Street from the Interurban Trail to the pedestrian bridge crossing at I-5 and continues east to the Burke Gilman Trail. This project is the last section of separated trail

identified for the northern route of the Interurban Trail to Burke Gilman Trail Connector Route.

Attached and described below are three alternatives for the NE 195th Street roadway design. The trail design and alignment is the same for all three options: a 12-foot wide paved trail (either asphalt or permeable concrete) and a 4-foot wide landscape planting area separating the trail from the road. Two other treatments for keeping the trail separated from the road are being considered: a four-foot striped area without any other additional treatment or striping with equally spaced plastic pylons. These options were presented at a public open house on January 14th.

Roadway Design Options for 195th Street:

Option 1

- Converts NE 195th Street to a one-way road from 1st Ave NE to 3rd Ave NE with 2-way traffic from 3rd Ave NE to 5th Ave NE.
- Uses the remainder road and shoulder to the north to construct the separated trail.

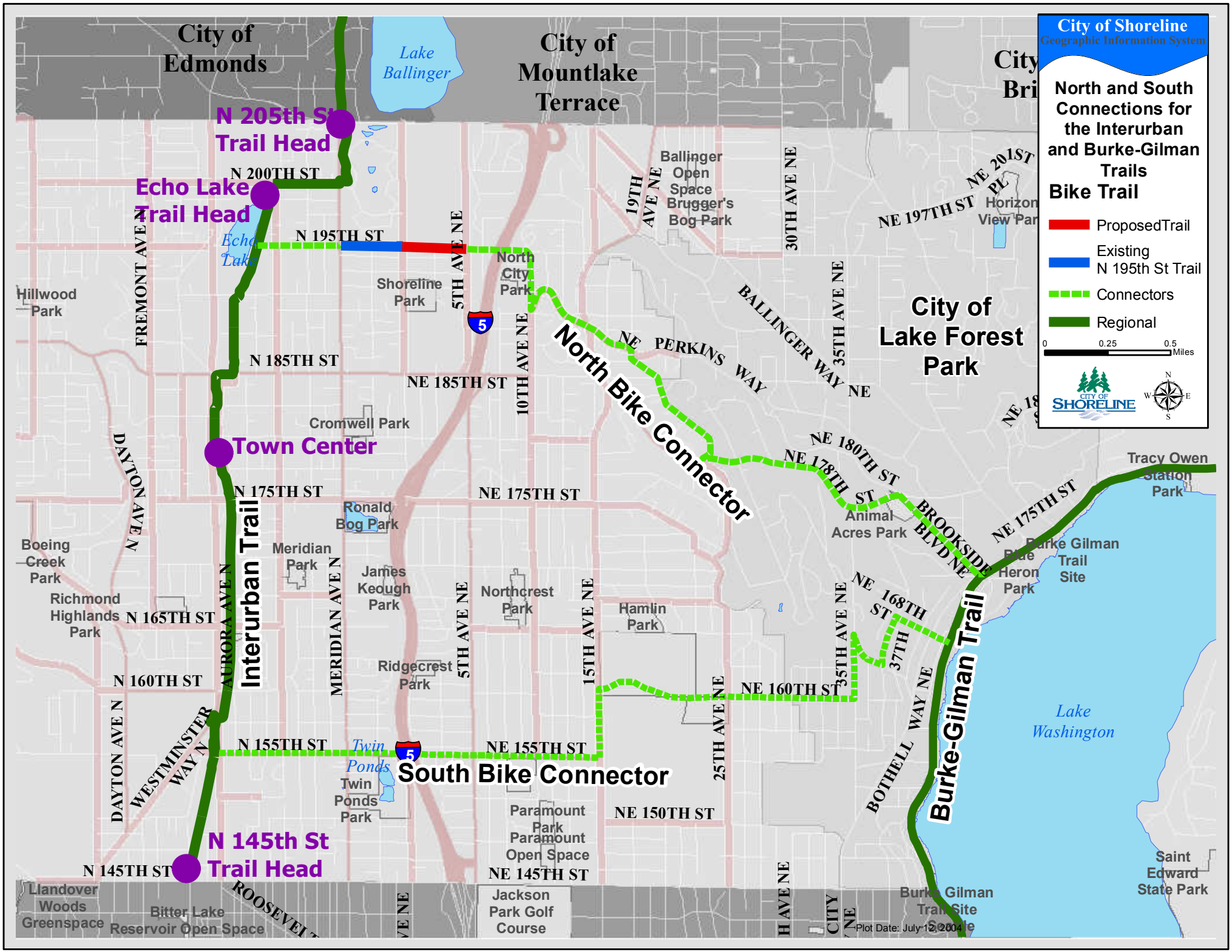
Option 2

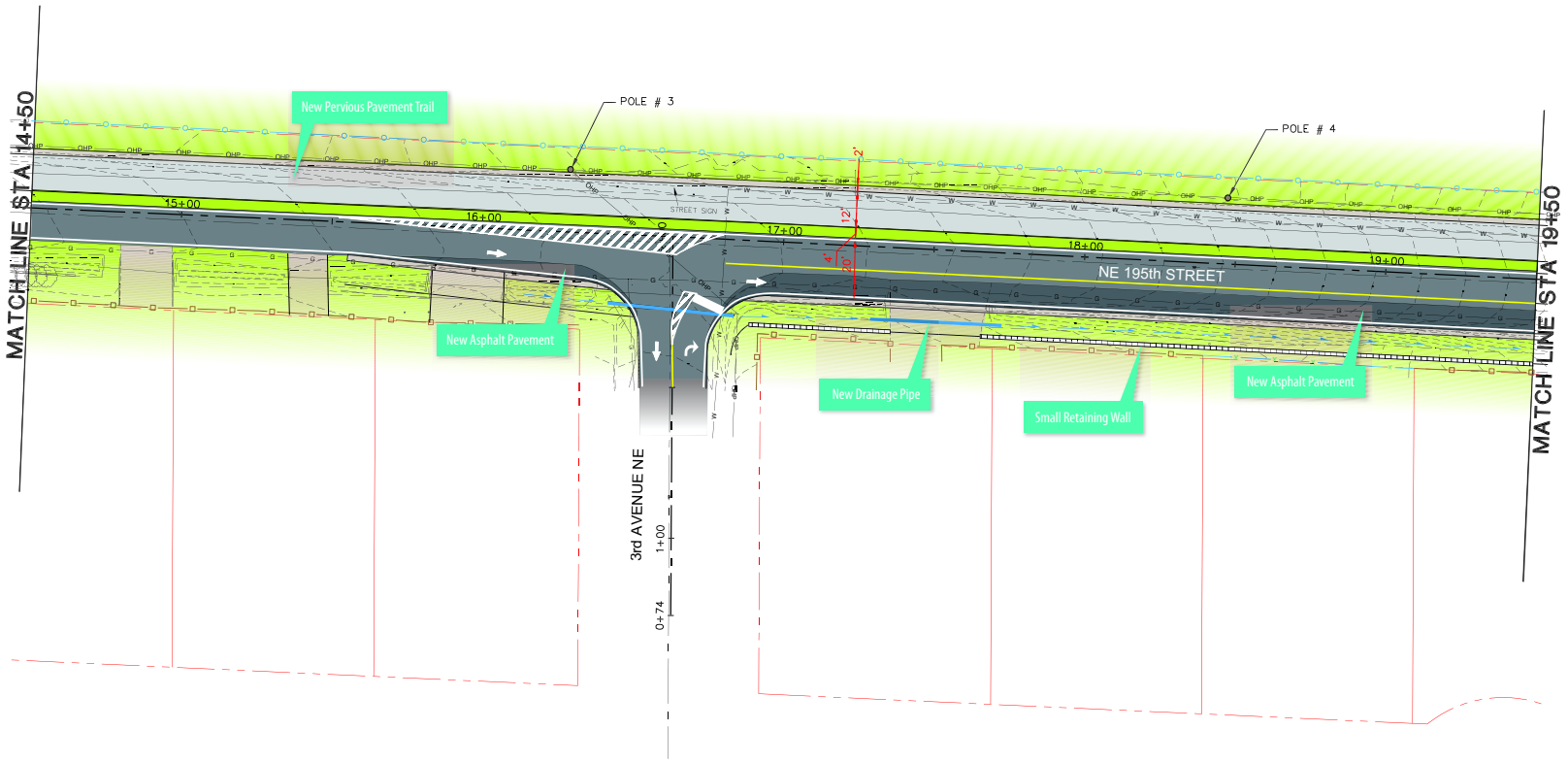
- Converts NE 195th Street to a one-way road from 1st Ave NE to 5th Ave NE.
- Uses the remainder of road and a portion of the shoulder to the north to construct the separated trail.

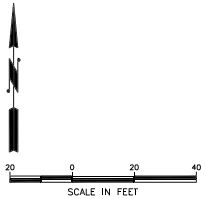
Option 3

- Keeps NE 195th Street as a two-way road and widens improvements on the north and south side of NE 195th St to accommodate the space need to build the trail.

Over 40 individuals attended the open house. The attendees were overwhelmingly in support of Option 3: to keep NE 195th Street a two-way road to access 1st Ave NE from 5th Ave NE. If you have any questions or comments, please contact John Vicente, Capital Projects Manager, at jvicente@shorelinewa.gov. John will update the PRCS Board on the development of the project at your February 27th meeting.


City of Shoreline
Geographic Information System
North and South Connections for the Interurban and Burke-Gilman Trails
Bike Trail
ProposedTrail
Existing N 195th St Trail
Connectors
Regional
0 0.25 0.5 Miles
City of Edmonds
Lake Ballinger
City of Mountlake Terrace
City of Lake Forest Park
N 205th St Trail Head
Echo Lake Trail Head
N 200TH ST
N 195TH ST
Echo Lake
Hillwood Park
FREMONT AVE N
Shoreline Park
5TH AVE NE
North City Park
Ballinger Open Space
Brugger's Bog Park
19TH AVE NE
30TH AVE NE
NE 197TH ST
NE 201ST PL
Horizon View Park
BALLINGER WAY NE
35TH AVE NE
NE PERKINS WAY
North Bike Connector
10TH AVE NE
N 185TH ST
NE 185TH ST
Cromwell Park
Town Center
DAYTON AVE N
N 175TH ST
NE 175TH ST
Ronald Bog Park
Interurban Trail
NE 180TH ST
NE 178TH ST
Animal Acres Park
BROOKSIDE BLVD NE
Tracy Owen Station Park
Boeing Creek Park
Meridian Park
James Keough Park
Northcrest Park
Hamlin Park
Blue Heron Park
Burke Gilman Trail Site
Richmond Highlands Park
N 165TH ST
AURORA AVE N
MERIDIAN AVE N
5TH AVE NE
15TH AVE NE
NE 168TH ST
37TH
N 160TH ST
Ridgecrest Park
NE 160TH ST
Lake Washington
WESTMINSTER WAY N
N 155TH ST
Twin Ponds
NE 155TH ST
South Bike Connector
25TH AVE NE
BOTHELL WAY NE
Burke-Gilman Trail
Twin Ponds Park
Paramount Park
Paramount Open Space
NE 150TH ST
N 145th St Trail Head
N 145TH ST
NE 145TH ST
Llandover Woods Greenspace
Bitter Lake Reservoir Open Space
ROOSEVELT
Jackson Park Golf Course
Saint Edward State Park
Plot Date: July 12, 2004

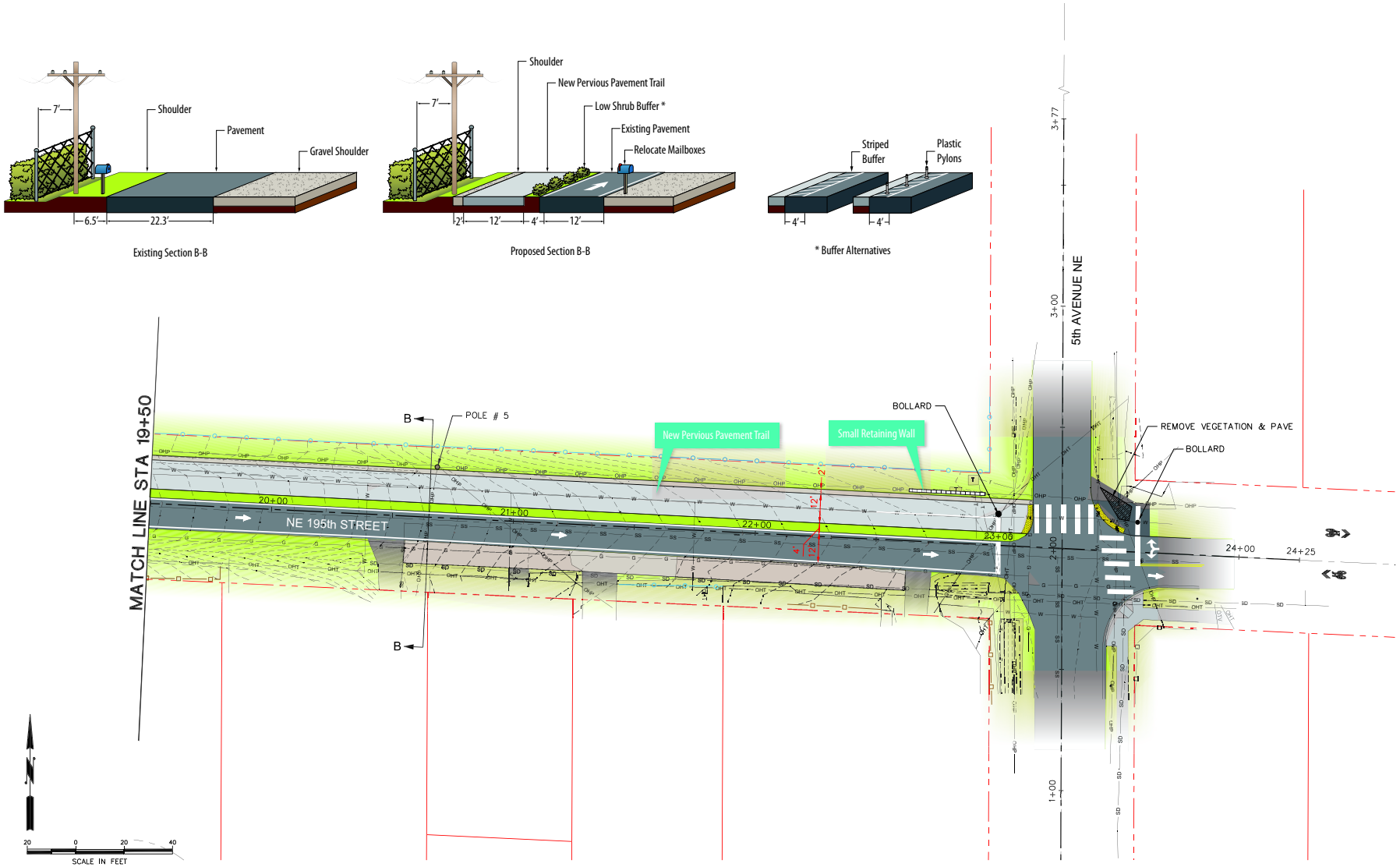




NE 195th Street Between 1st and 5th Avenue

Option One - One Way Traffic Between 1st & 3rd, Two Way Traffic Between 3rd & 5th

Segment Two

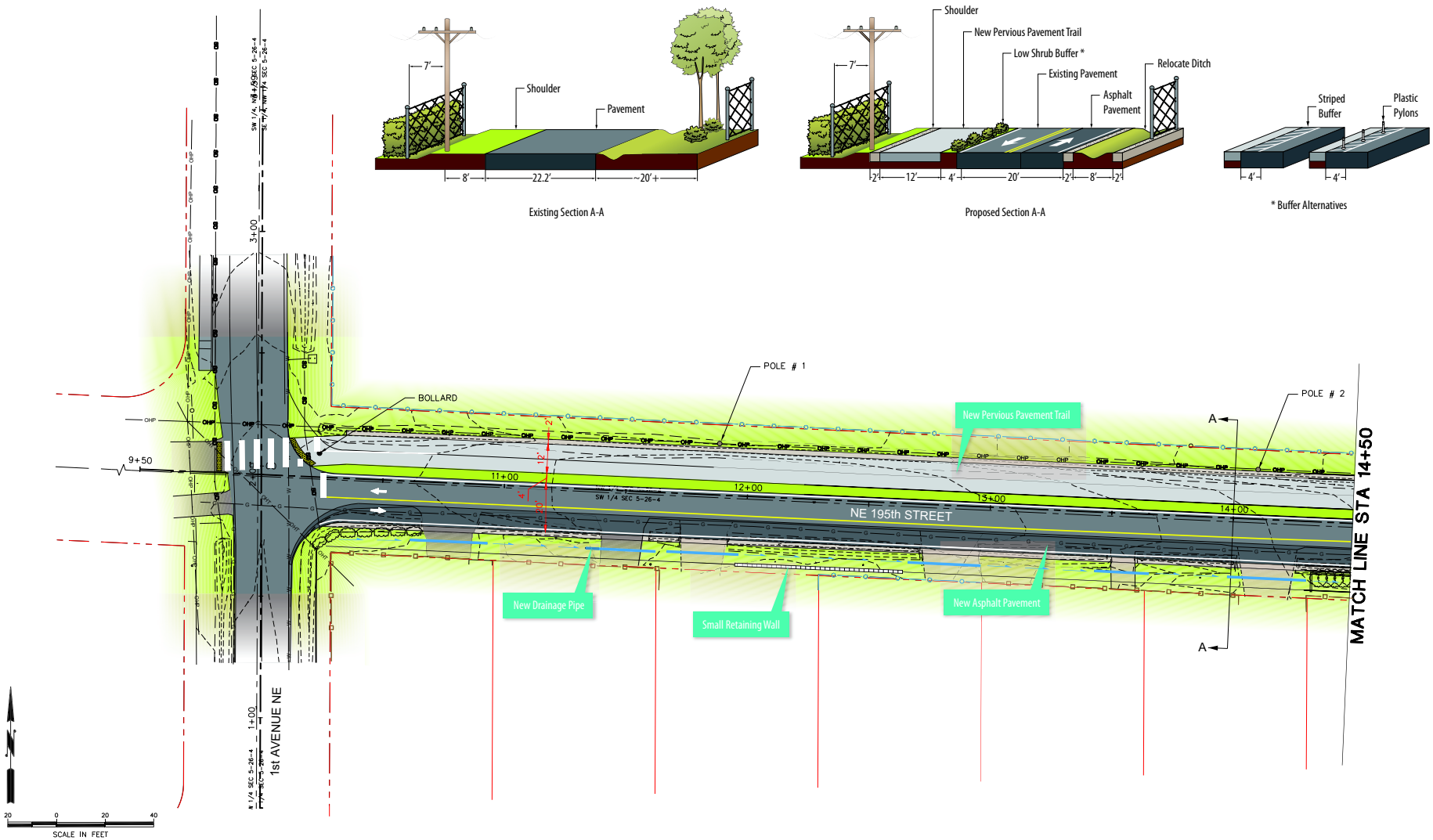


NE 195th Street Between 1st and 5th Avenue

Option Two - One Way East Bound Only

CITY OF SHORELINE

TETRA TECH



NE 195th Street Between 1st and 5th Avenue

Option Three - Two Way Traffic

CITY OF SHORELINE

TETRA TECH