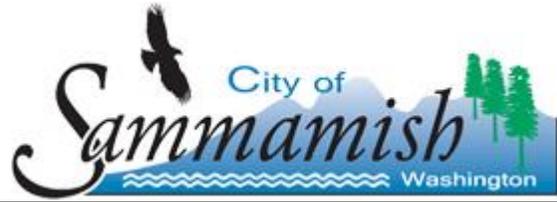


Agenda Bill

City Council Joint Meeting
June 11, 2019



SUBJECT:	Klahanie Park Master Plan Discussion - Programming and Concept Alternatives											
DATE SUBMITTED:	June 04, 2019											
DEPARTMENT:	Parks & Recreation											
NEEDED FROM COUNCIL:	<input type="checkbox"/> Action <input checked="" type="checkbox"/> Direction <input type="checkbox"/> Informational											
RECOMMENDATION:	Review and provide input on programming and concept alternatives for the master plan development.											
EXHIBITS:	1. Exhibit 1 - PowerPoint Presentation 2. Exhibit 2 - Memorandum: City Council and Parks & Recreation Commission Meeting #1 Questions 3. Exhibit 3 - Public Survey #1 Summary 4. Exhibit 4 - Focus Group Survey #1 Summary											
BUDGET:	<table> <tr> <td>Total dollar amount</td> <td>\$169,000</td> <td><input checked="" type="checkbox"/> Approved in budget</td> </tr> <tr> <td>Fund(s)</td> <td>Parks Capital Improvement Fund</td> <td><input type="checkbox"/> Budget reallocation required</td> </tr> <tr> <td></td> <td></td> <td><input type="checkbox"/> No budgetary impact</td> </tr> </table>			Total dollar amount	\$169,000	<input checked="" type="checkbox"/> Approved in budget	Fund(s)	Parks Capital Improvement Fund	<input type="checkbox"/> Budget reallocation required			<input type="checkbox"/> No budgetary impact
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WORK PLAN FOCUS AREAS:	<table> <tr> <td><input type="checkbox"/> Transportation</td> <td><input type="checkbox"/> Community Safety</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communication & Engagement</td> <td><input type="checkbox"/> Community Livability</td> </tr> <tr> <td><input type="checkbox"/> High Performing Government</td> <td><input checked="" type="checkbox"/> Culture & Recreation</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental Health & Protection</td> <td><input type="checkbox"/> Financial Sustainability</td> </tr> </table>			<input type="checkbox"/> Transportation	<input type="checkbox"/> Community Safety	<input checked="" type="checkbox"/> Communication & Engagement	<input type="checkbox"/> Community Livability	<input type="checkbox"/> High Performing Government	<input checked="" type="checkbox"/> Culture & Recreation	<input checked="" type="checkbox"/> Environmental Health & Protection	<input type="checkbox"/> Financial Sustainability	
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NEEDED FROM COUNCIL:
Klahanie Park Master Plan Discussion - Programming and Concept Alternatives

KEY FACTS AND INFORMATION SUMMARY:
The purpose of this discussion is to review and provide input on park programming and concept alternatives for the master plan development of Klahanie Park.

Summary:

Klahanie Park is a 64-acre park located in the southeast section of the City. The park is comprised of natural turf fields including two multi-purpose sports fields, one baseball field, and a cricket pitch. Additionally, the park features a small play structure, restrooms, parking, a segment of King County's East Plateau Trail, natural areas and Queen's Bog, which is one of roughly fifty bogs located in Washington State. Having been in use for nearly 25 years with only minor improvements, park features are nearing the end of their life cycle or are in need of repair. A master plan will be the City's first attempt to look at potential improvements to this park in a comprehensive manner utilizing a process that provides opportunity for involvement of the entire community. It will also enable the City to consider how a previous County park will best incorporate into Sammamish's overall park system.

Master Plan Phase I:

The first set of meetings were held in March 2019 with the City Council, Parks & Recreation Commission, a focus group, and the community, to solicit input on hopes, dreams, and concerns related to the master plan. Two surveys were prepared as part of this first phase, one for a focus group and one for the public. Neither of the surveys were statistically valid. The vision and programming survey for the public had 677 participants, with 56% of participants living one mile or less from the park. A brief summary of these surveys are provided as exhibits to this agenda bill.

A total of six concept alternatives are prepared, three park concepts and three trail concepts. The intent is to demonstrate a minimum, moderate, and maximum approach to park development. Based on the feedback received at the first set of workshops, the overall goals and objectives are to protect Queen's Bog, to provide a balance between active and passive activities and include unprogrammed spaces for families to gather informally. Lastly, it is important to note that elements from each concept can be mixed and matched, they are not necessarily exclusive to the alternative they are shown on.

A representative from the consultant team, HBB, will present a summary of the first public workshop, online public survey results, project goals, and discuss programming and concept alternatives in further detail at the June 11, 2019 City Council Joint Meeting with the Parks & Recreation Commission. At that time, City Council and the Parks & Recreation Commission will be asked to provide input on programming and concept alternatives for the master plan development. This information will be used, in conjunction with input received from City staff and the public, to assist with the development of a preferred master plan alternative.

Project Background:

The park was built by the Homeowners Association and transferred to King County in 1994 following construction. In January 2016, Klahanie Park was transferred to the City as part of the Klahanie annexation. Since annexation, improvements have been made to the park, which include drainage modifications to the baseball field, installation of the City's first and only cricket pitch, turf aeration of the two multi-purpose sports fields, irrigation improvements and minor renovations to the restrooms.

Following annexation, the City took over field reservations for the two multi-purpose fields and baseball field. In addition, the City introduced annual recreation events during the summer, such as the Shakespeare in the Park and KidsFirst programs.

Master Plan Process:

A twelve to eighteen-month effort is anticipated for the master plan process with participation from the community at large, City staff, Parks & Recreation Commission, City Council, and community stakeholders. The master plan process consists of three phases as described below:

Phase 1 Site Investigation and Analysis (Complete)

Evaluate existing site conditions, identify sensitive areas, complete site studies, and develop an overall understanding of the site. During this initial phase, a survey will be developed and used to assist with the development of initial park concepts for public discussion.

Phase 2 Park Program

Following survey development, the first public meeting will be held to present site analysis, initial survey results, and provide the Sammamish community an opportunity to share their hopes, dreams and concerns for the park.

Based upon the results of site analysis, City staff input, technical input and initial public input, a preliminary park design program will be developed that details proposed uses, design character and criteria.

Phase 3 Master Plan Development

The remaining public engagement will take place during the third phase of the master plan process. Two to three Master Plan alternatives will be prepared, based upon the approved design program. This will include a narrative that summarizes the existing conditions, design alternatives, cost implications and regulatory criteria, and identifies issues which will require further study at the next stage of project development.

Based upon feedback from the community, Parks & Recreation Commission, and City Council, the alternatives will be revised in to one preferred Master Plan alternative with a preliminary cost estimate. The final deliverable will be a Master Plan Report, with final project drawings and narrative, project process, project phasing scenarios and phase costs.

Anticipated Timeline:

- Parks & Recreation Commission Meeting #1: March 6, 2019 (Complete)
- City Council Meeting #1: March 12, 2019 (Complete)
- Focus Group Meeting #1: March 14, 2019 (Complete)
- Public Meeting #1: March 21, 2019 (Complete)
- Public Meeting #2: May 23, 2019 (Complete)
- **Joint City Council/Parks & Recreation Commission Meeting #2: June 11, 2019**
- **Public Meeting #3: August 2019**
- **Parks & Recreation Commission Meeting #3: September 4, 2019**
- **City Council Meeting #3: October 2019**

Next Steps:

A preferred master plan alternative will be developed over the summer based on feedback received and will be brought back in front of the community, Parks & Recreation Commission, and City Council early this fall.

FINANCIAL IMPACT:

N/A

OTHER ALTERNATIVES CONSIDERED:

N/A

RELATED CITY GOALS, POLICIES, AND MASTER PLANS:

[2018 Parks, Recreation & Open Space \(PRO\) Plan](#)

Joint Meeting City Council and Parks & Recreation Commission

June 11, 2019



Overview: What we will be discussing

- A. Introductions 2 minutes
- B. Presentation 45 minutes
 - a. Location & Context
 - b. 2018 Parks, Recreation & Open Space Plan
 - c. Timeline & Project Background
 - d. Existing Conditions
 - e. Outreach Summary
 - f. Goals & Objectives
 - g. Programming Alternatives
 - h. Trail Alternatives
- C. Discussion 40 minutes
- D. Next Steps 3 minutes

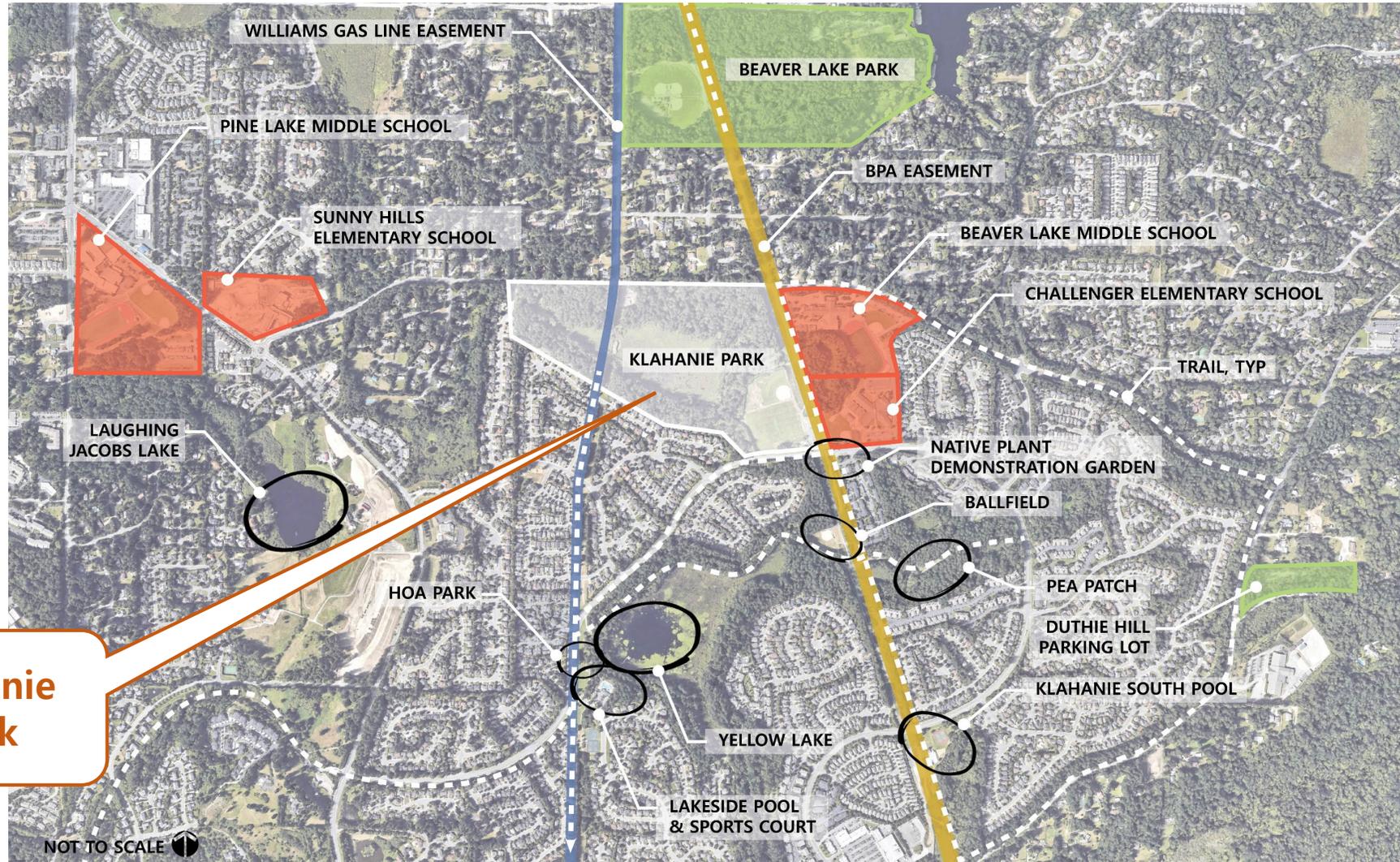


Location & Context

City Map

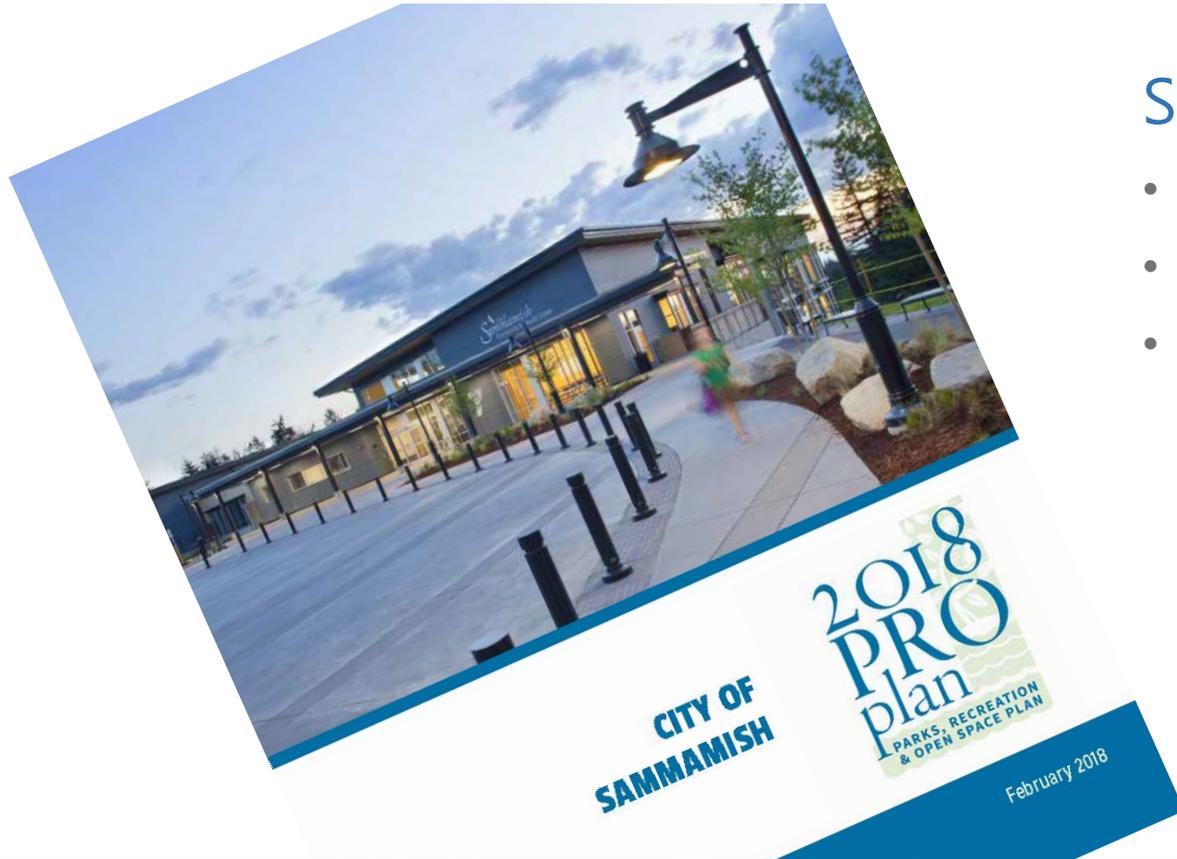


Site Context



2018 Parks, Recreation & Open (PRO) Space Plan Vision

The overall vision for Sammamish's Parks and Recreation system sees parks as an integral part of our healthy and sustainable community by connecting people to nature, play, and culture.



Sammamish Parks & Recreation Goals

- Conservation of natural resources
- Opportunities to improve health and wellness
- Create social equity in access to parks and recreation for all residents

2018 PRO Plan

Community Park

- *15 to 60 acres* in size
- within a *two- to five-mile* travel distance from the park
- can also serve as local neighborhood parks
- offer *programmed activities*, as well as passive, unstructured recreation
- *require support facilities* such as restrooms, parking lots and maintenance facilities
- athletic fields may be *natural, synthetic turf, or a combination of surfaces*, with or without field lighting

Neighborhood Park

- *5 to 15 acres* in size
- within a *half-mile* walking or biking distance from the park
- provided by City or Homeowner Association
- offer active and passive activities on limited scale, used primarily for *unstructured recreation*
- *may have support facilities* such as restrooms and parking lots

Park Type / Name	Classification	Acreage
Community Parks		
Beaver Lake Park	Community	79.2
Big Rock Park	Community	36.3
East Sammamish Park	Community	18.8
Klahanie Park	Community	64.1
Pine Lake Park	Community	19.0
Sammamish Commons	Community	39.1
Sammamish Landing Park	Community	7.8
Neighborhood Parks		
Ebright Creek Park	Neighborhood	12.3
NE Sammamish Park	Neighborhood	5.7
Preserve / Natural Areas		
Illahee Trail Park	Natural Area	12.7
30 Acres Park	Natural Area	29.9
Beaver Lake Preserve	Preserve	55.7
Evans Creek Preserve	Preserve	213.2
Steven & Rosina Kipper Preserve	Preserve	17.1
Total		611.0



Timeline & Project Background



Background & History



- 1994 – Park transferred to King County following construction by Homeowner’s Association (HOA)
- 2016 – Klahanie Park transferred to City
- 2017 – Minor drainage improvements completed at baseball field
- 2018 – PRO Plan completed
- 2019 – Master Plan commences

Project Timeline



Master Plan



1. Site Analysis & Project Scoping

- Evaluate Existing Conditions
- Complete Site Studies
- Park Classification
- Case Studies

2. Community Survey

3. Public Meeting #1

- Hopes, Dreams, & Concerns
- Opportunities & Constraints

4. Public Meeting #2 & #3

- Schematic Concepts
- Project Goals & Objectives
- Design Alternatives
- City Council & Parks & Recreation Commission Updates

5. State Environmental Policy Act (SEPA)

6. Master Plan Adoption



Existing Conditions

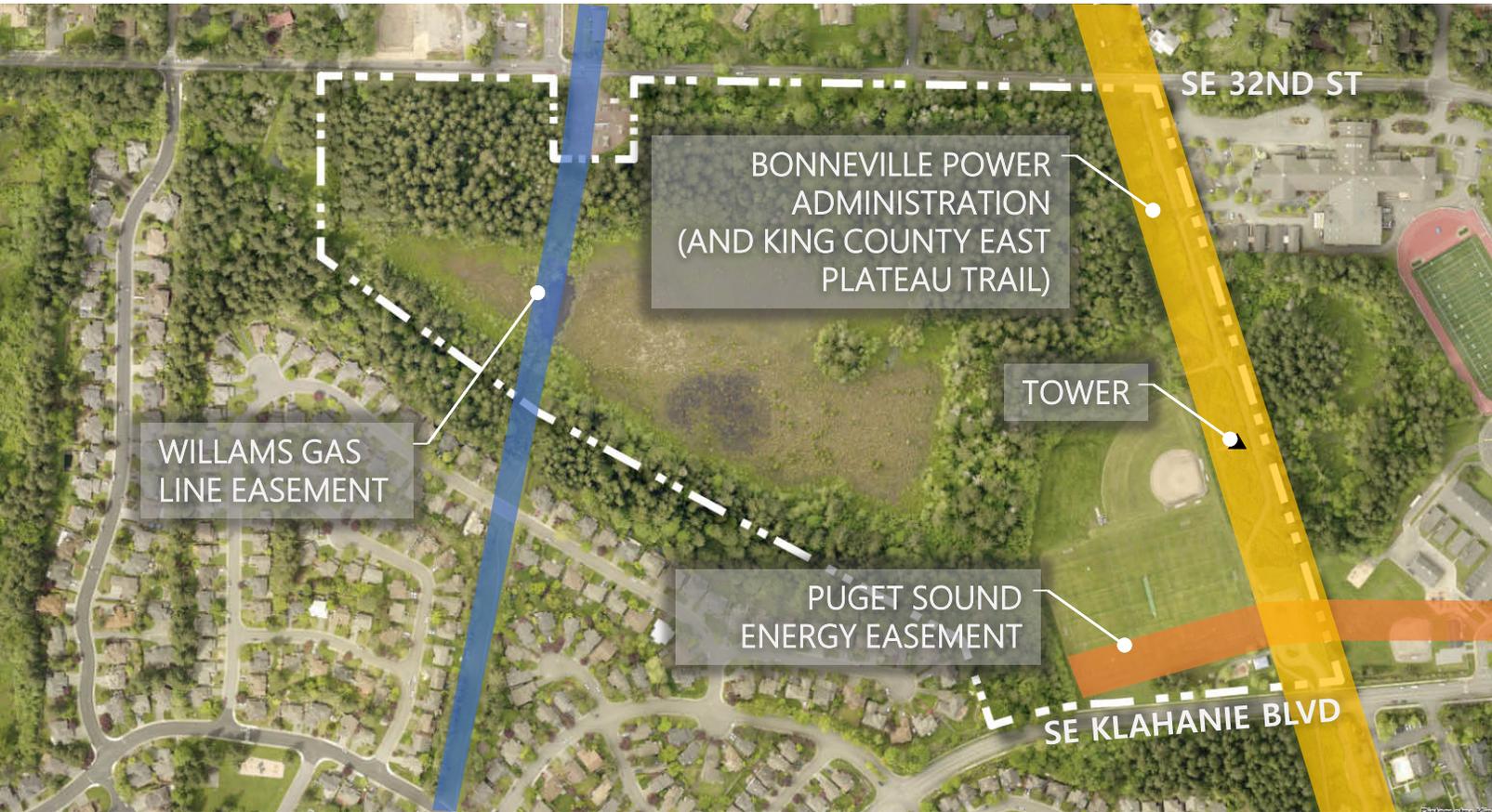
Existing Conditions



Existing Features

- Queen's Bog
- Trails
- Athletic Fields
- Play Area
- Restroom
- Parking

Easements



Active Recreation Areas



Bog, Critical Areas, & Trails





Outreach Summary

Workshop #1



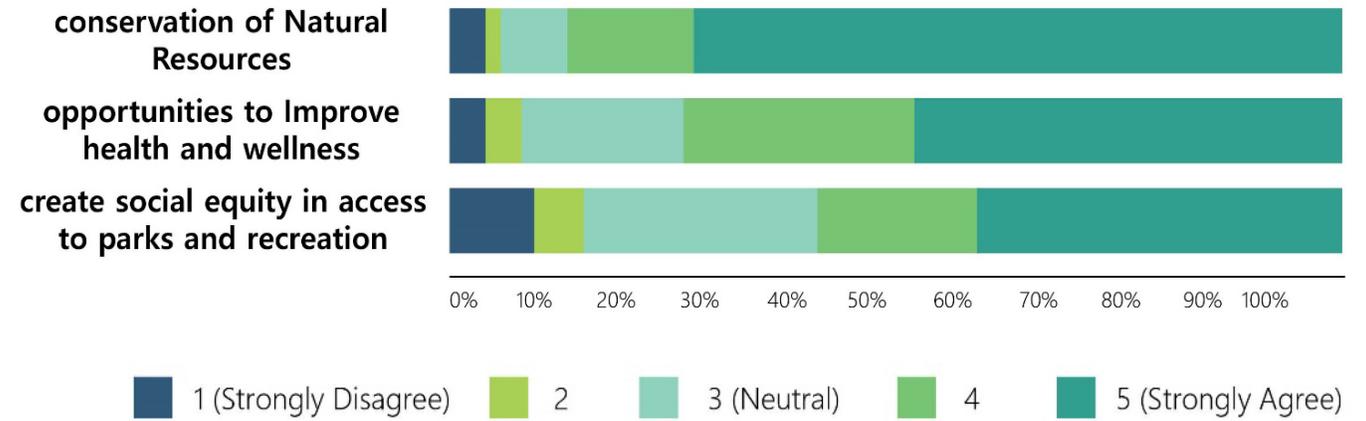
- Protect the environment
the bog is a treasured resource, as are the adjacent wetlands and wildlife that inhabit the park, keep any new improvements away from buffers and include restoration, education, etc. to celebrate the environment (without allowing access directly to it)
- More family activities
picnic areas and shelters, group picnic, unprogrammed open space for informal pick-up games and lawn games
- Gathering areas and events
ways to come together as a community, hold large and small events, celebrate
- Community garden areas
pollinator plants, native plant demonstration, sensory gardens, p-patch
- Balance active and passive areas
the fields are used, but it leaves no space for informal, passive activities when the fields are programmed – especially during prime weekend times; more flexibility of uses would be beneficial

Open House #1 – Survey

677
Survey
Participants

68% of survey participants visit the park regularly (at least weekly) and live within 3 miles of Klahanie Park

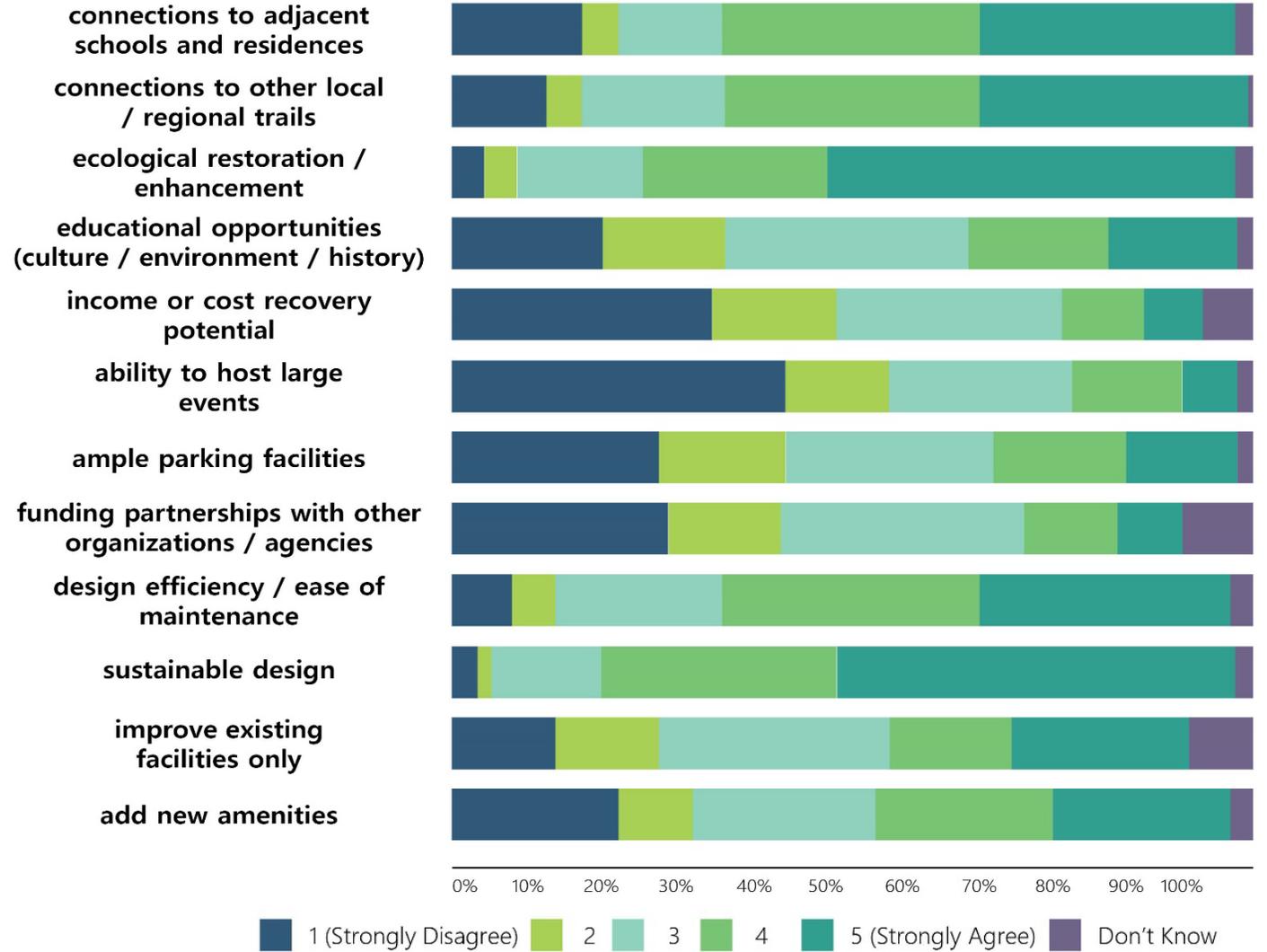
What extent should Klahanie Park support each vision & mission?



Open House #1 – Survey

How important are each of the following principles to Klahanie Park?

What one word would you use to describe your vision for Klahanie Park?



Open House #1 – Survey

What do you like **best** about Klahanie Park?



What do you like **least** about Klahanie Park?



Goals & Objectives

The overall vision for Klahanie Park is a place to . . .

1. Protect Queen's Bog . . .

.... and the rest of the natural environment, educate the community about the unique nature of the bog, and partner with the adjacent schools to enhance the park as a learning environment.

2. Gather and celebrate . . .

.... to come together as a community, celebrate our diverse backgrounds and cultures, build memories with our families and each other.

3. Balance passive and active activities . . .

.... recognizing the park serves a larger community need but should still retain its neighborhood scale and character.

Programming Alternatives – Queen's Bog



175.5 acres of stormwater makes its way to the bog

1.9 miles of new trails proposed

14.5 acres of park re-development proposed

4 points of discharge

3 indirect overflow routes

** Existing stormwater facility is inspected and maintained by the City annually.*

Programming Alternatives – Queen's Bog



- Redirect stormwater through raingardens, biofiltration swales, and infiltration areas so it is treated before it reaches the bog
- Keep proposed improvements out of wetland and bog areas
- Improve buffers with understory vegetation, support natural tree succession
- Educate about the importance of the bog and the habitat / ecosystems they support
- Use full cut-off light fixtures and locate outside of buffer areas to limit light exposure on urban wildlife

Programming Alternatives – Gathering Areas

Play-Structure Playground

PLAYGROUND CHARACTER



Programming Alternatives – Gathering Areas

Play-Structure
Playground

Crowded
Small
Space

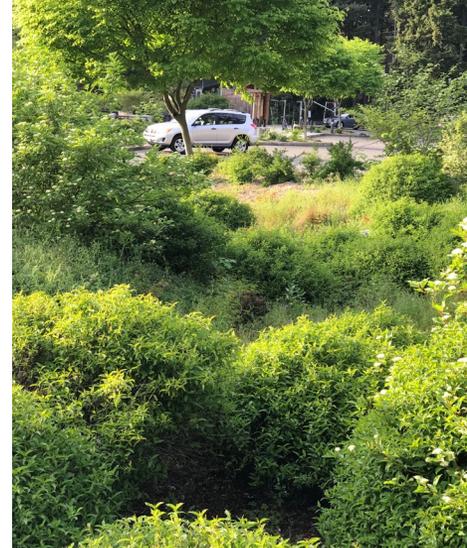
SHELTER /
ARCHITECTURAL
CHARACTER



Programming Alternatives – Gathering Areas

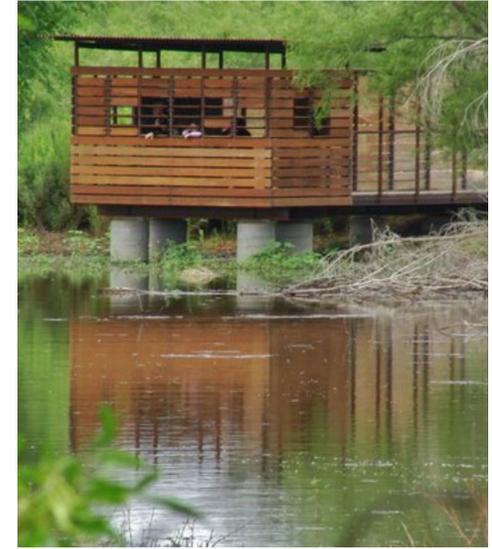
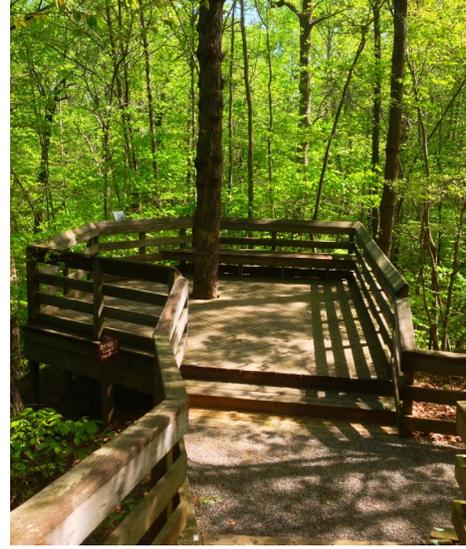
Peaceful
Community
Flexible
Play-Structure
Playground
Crowded
Small
Space

DEMONSTRATION GARDEN CHARACTER



Programming Alternatives – Balanced Activities / Trails

TRAIL CHARACTER & EDUCATION OPPORTUNITIES



Programming Alternatives – Balanced Activities / Fields

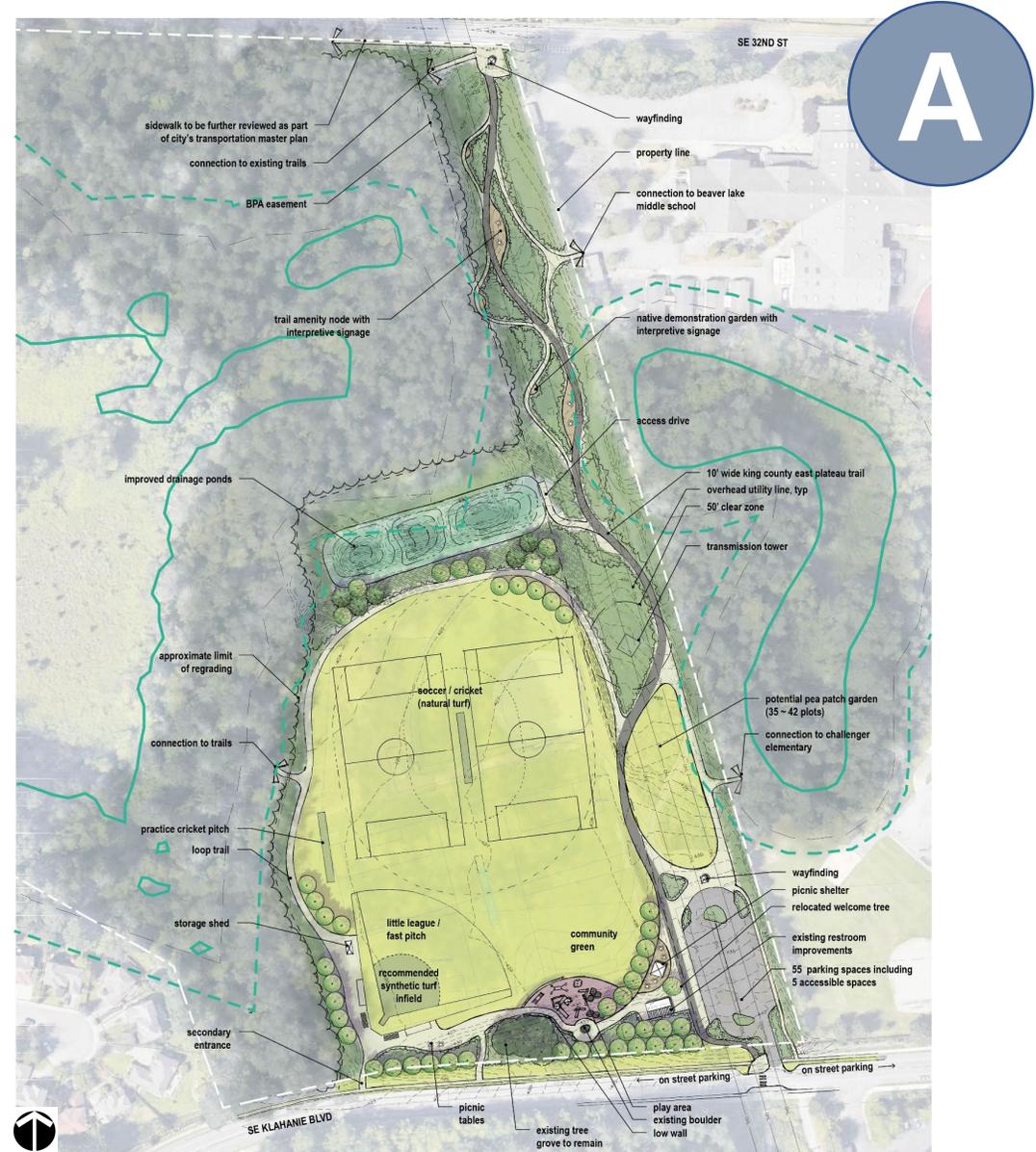


● open space
 ● ballfield
 ● trails / natural spaces
 ● soccer fields
 ● cricket field

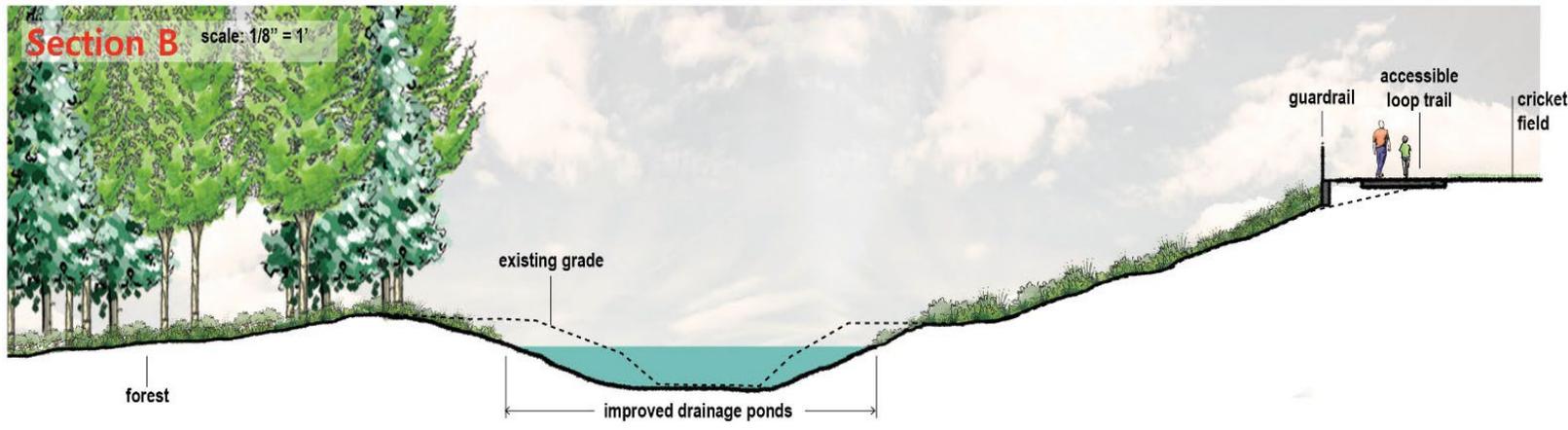
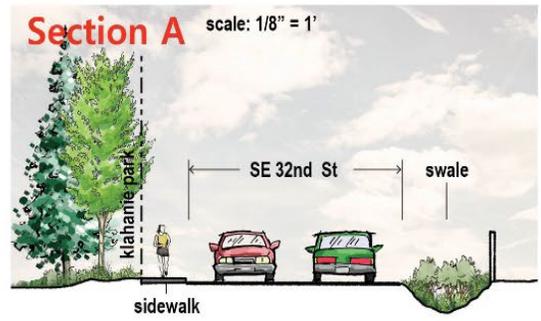
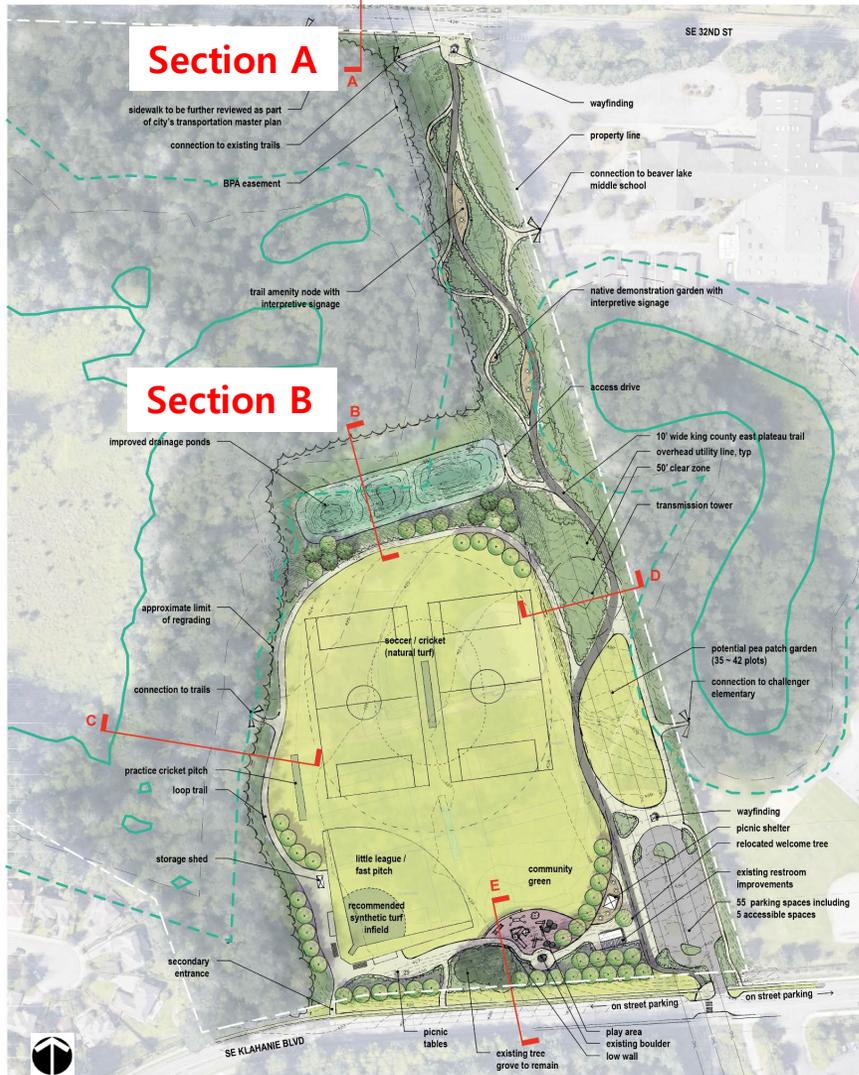
5%-10%+
Estimated annual growth in participation

fully scheduled
Afternoons and weekends for youth and adult leagues (9 months of the year)

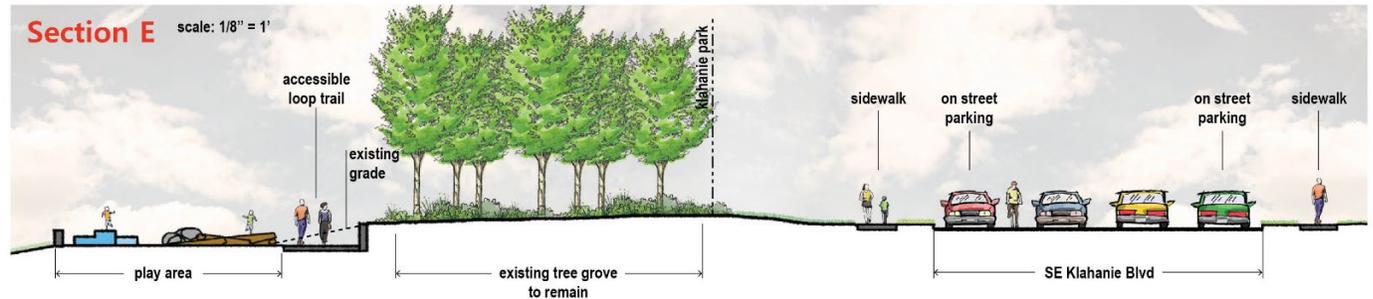
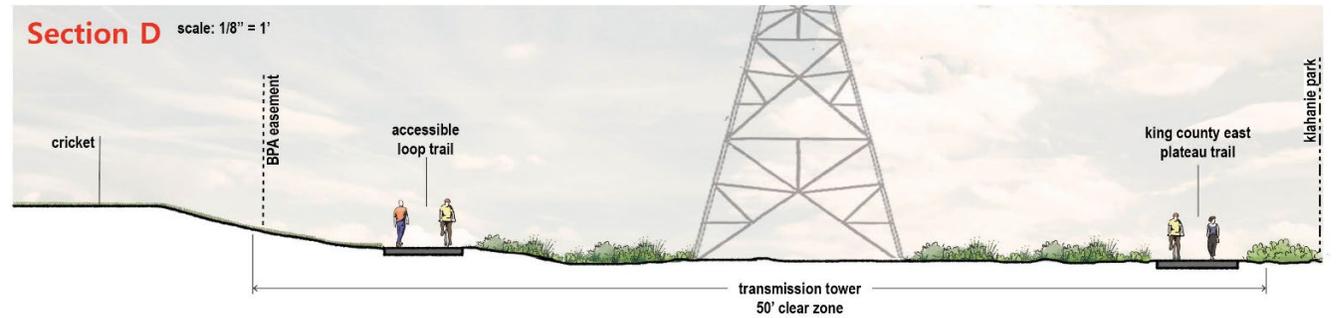
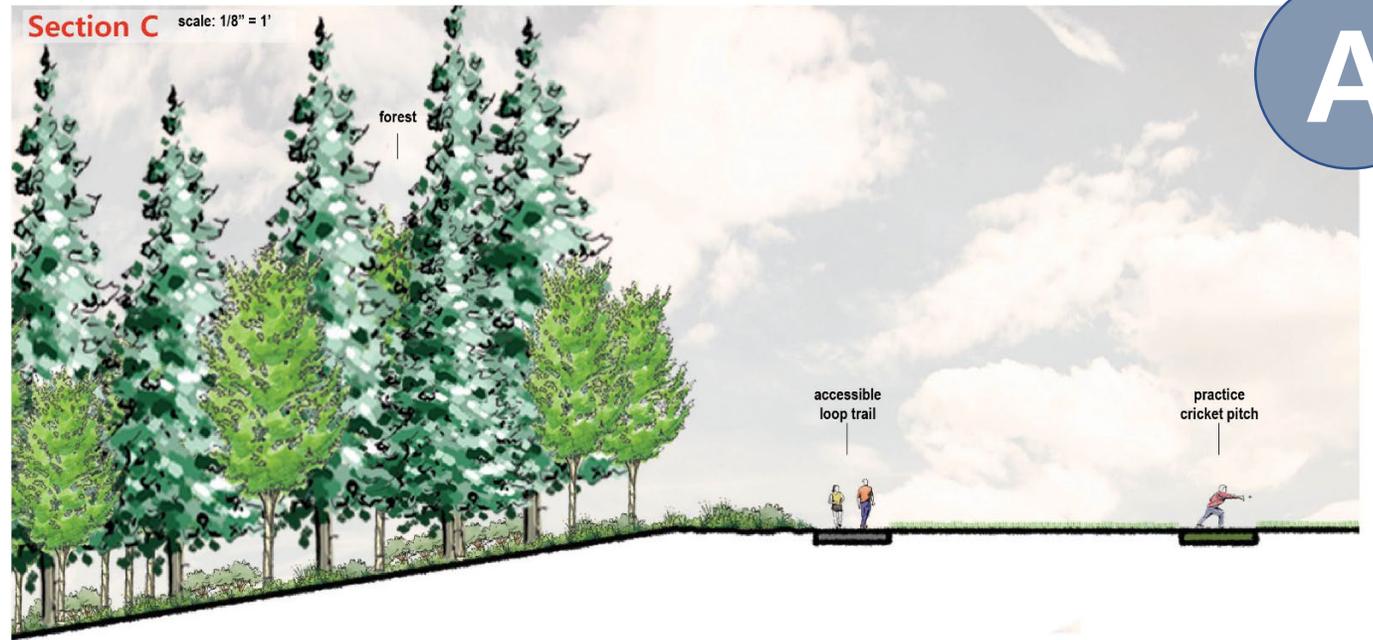
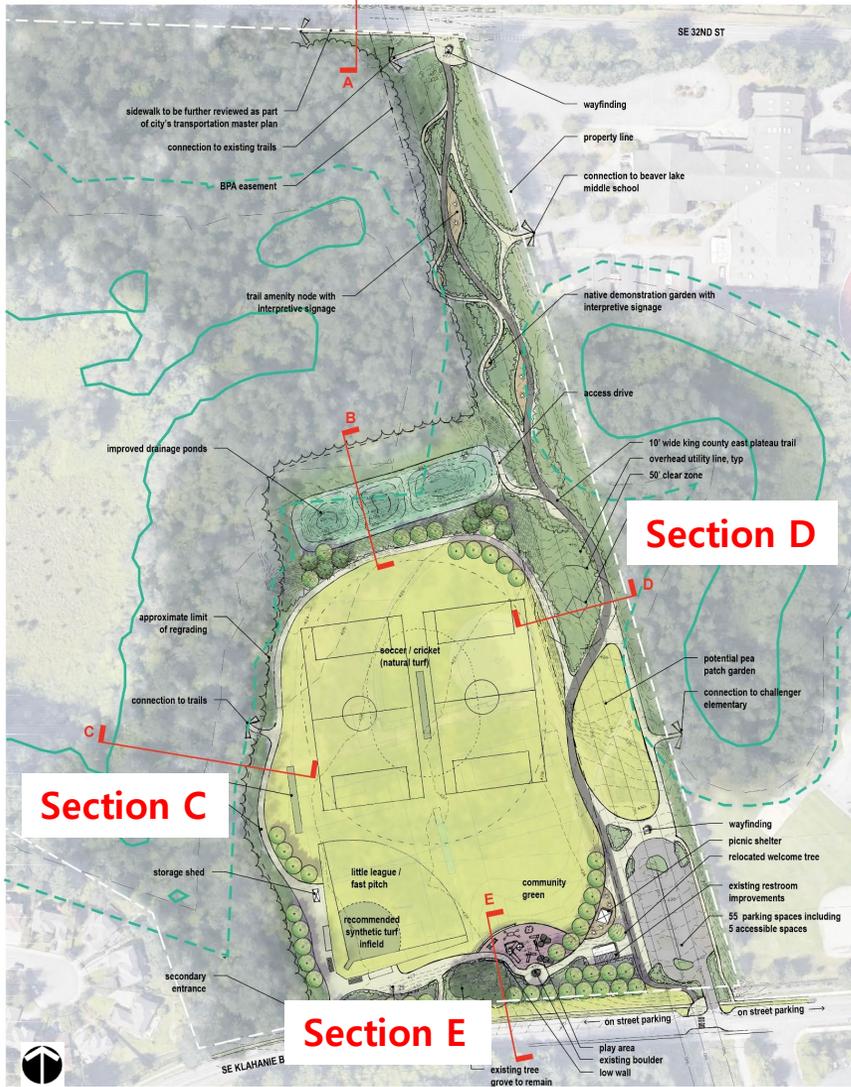
Concept Alternatives



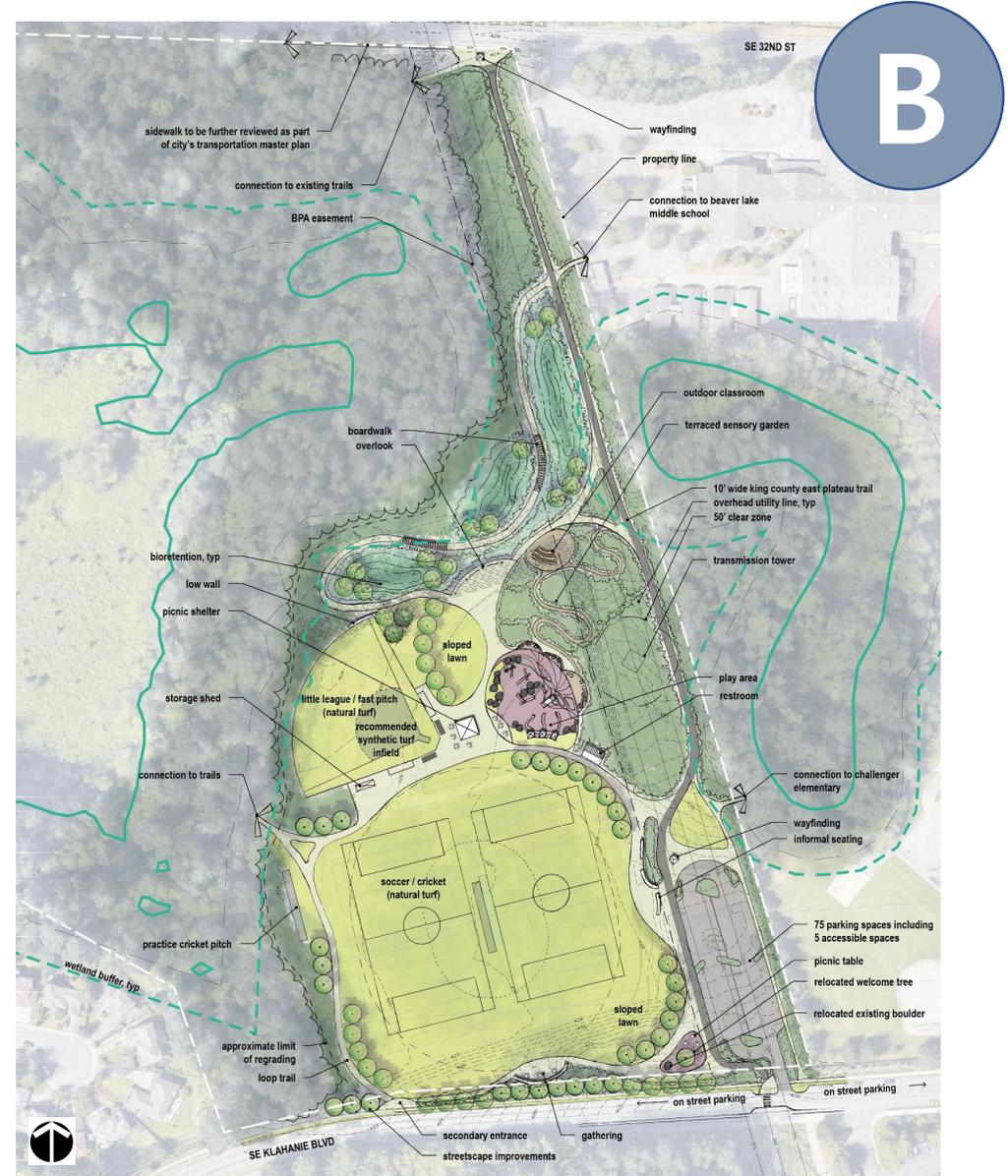
Concept Alternatives



Concept Alternatives

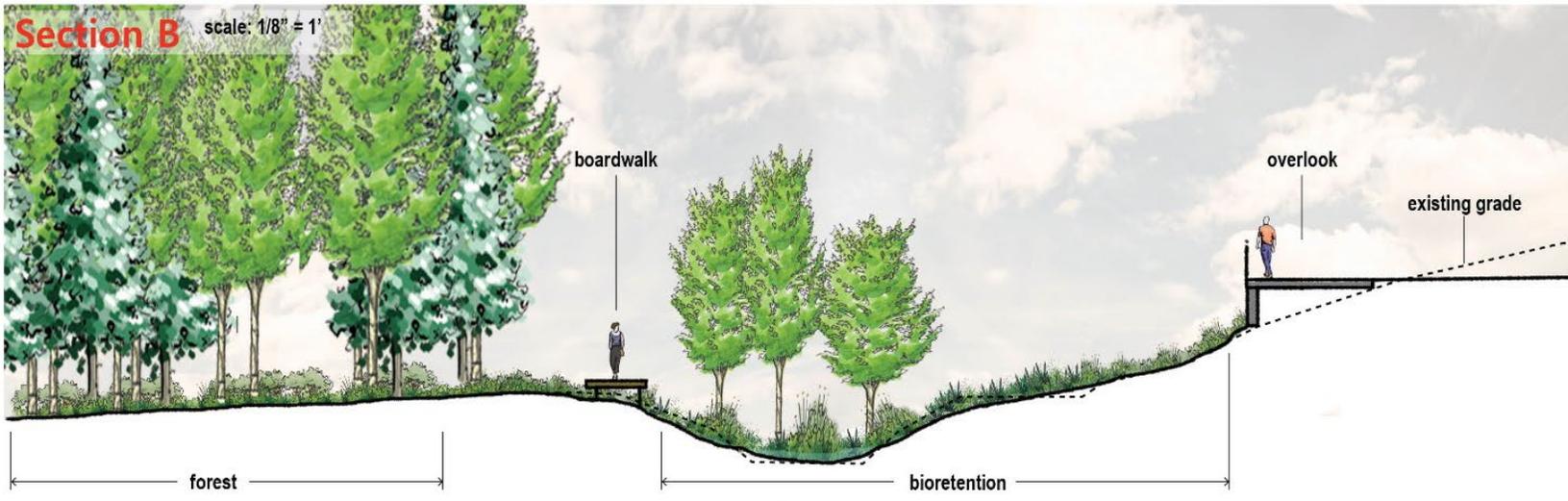
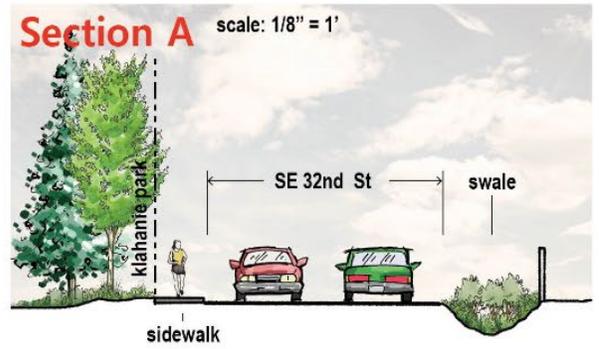


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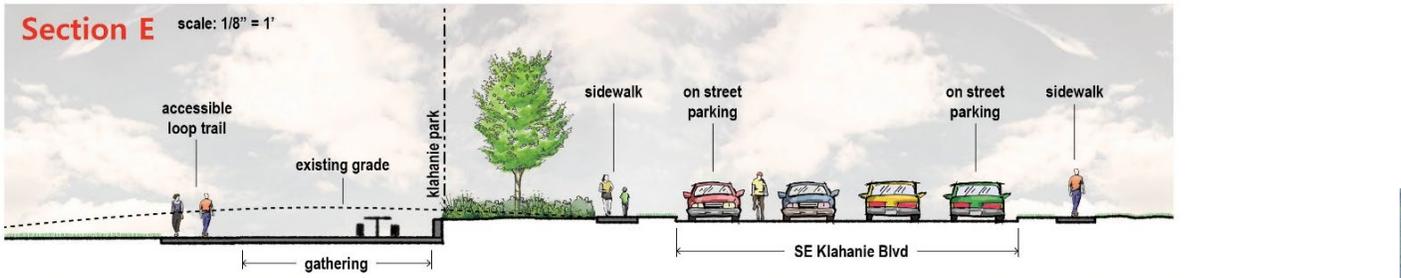
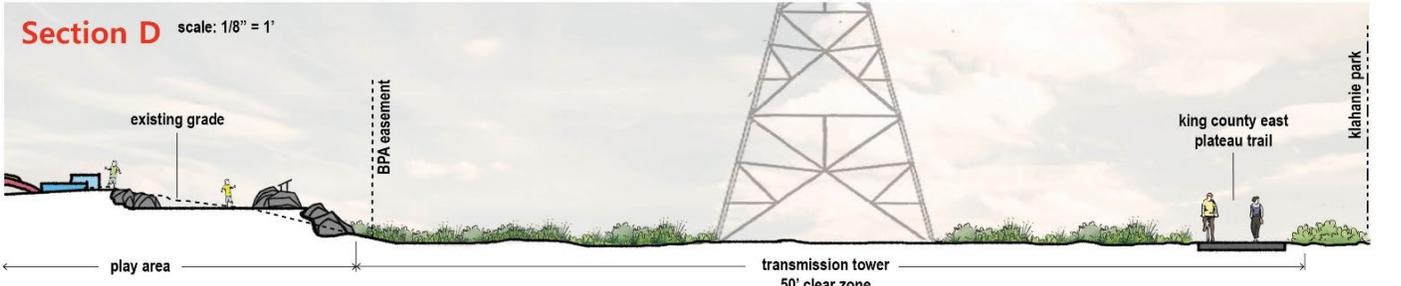
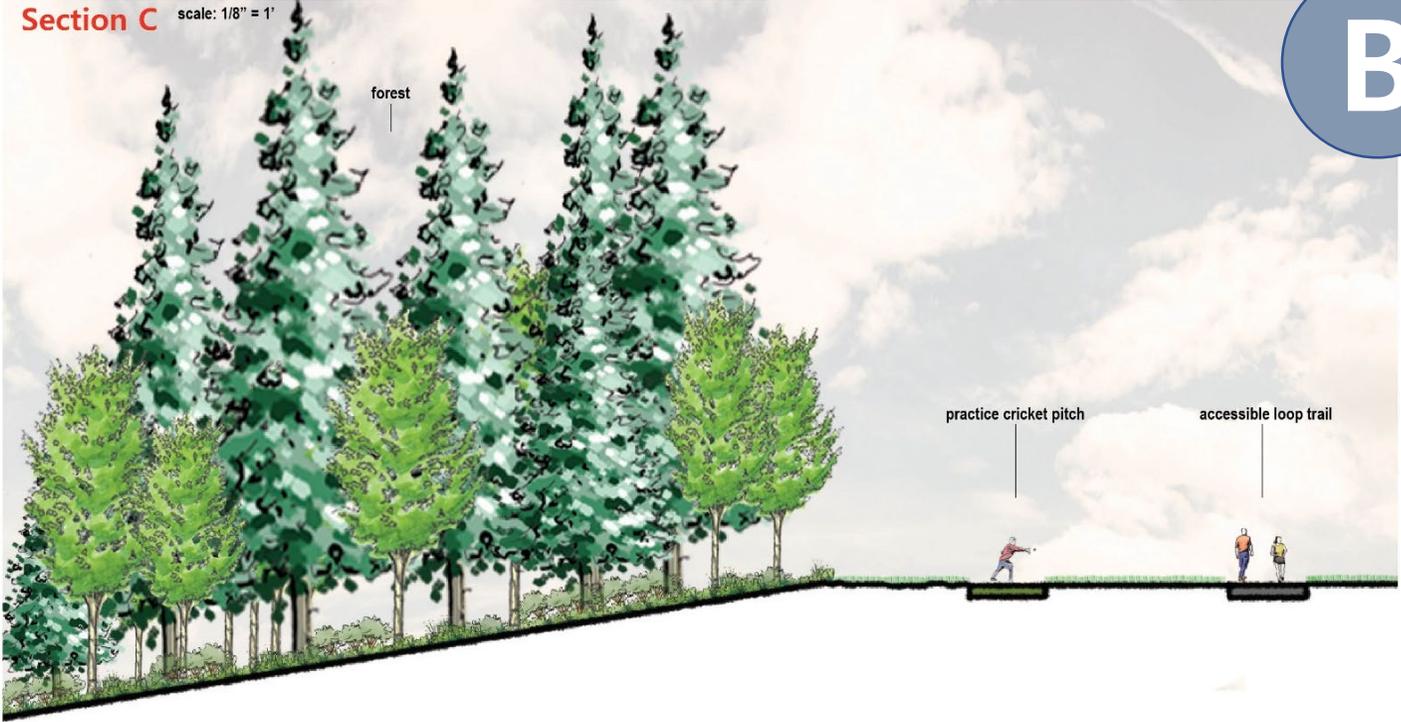
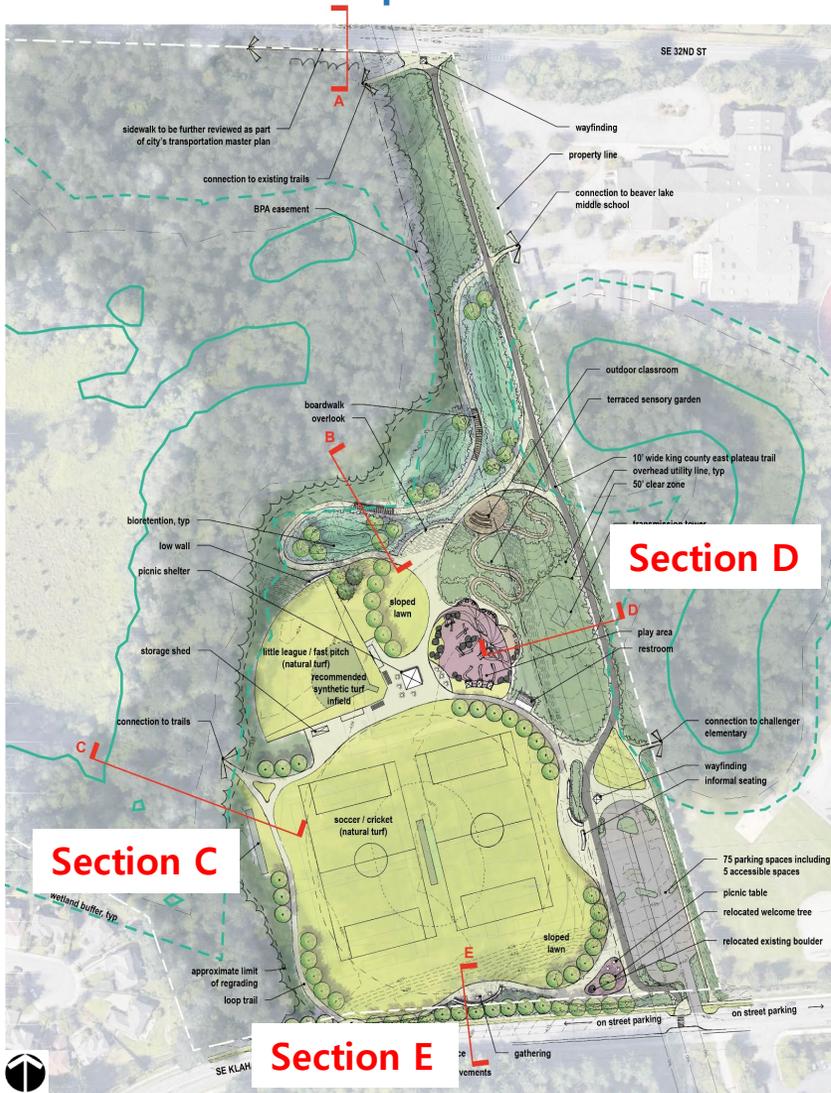
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Concept Alternatives



Concept Alternatives

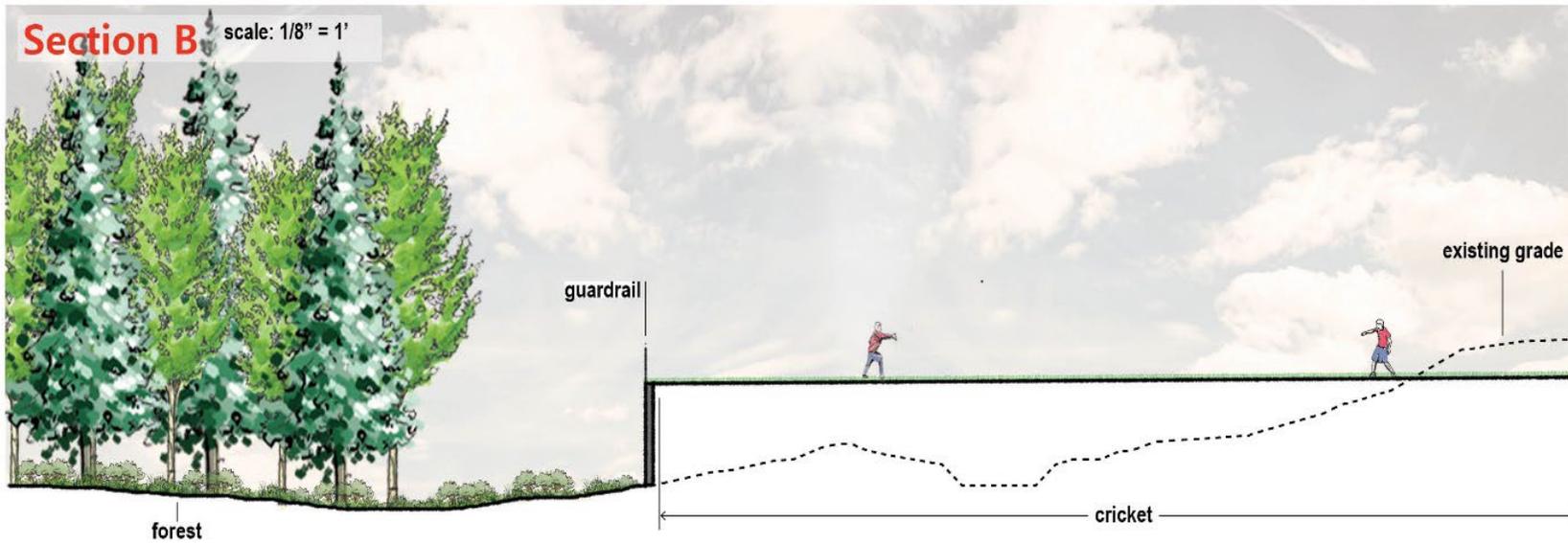
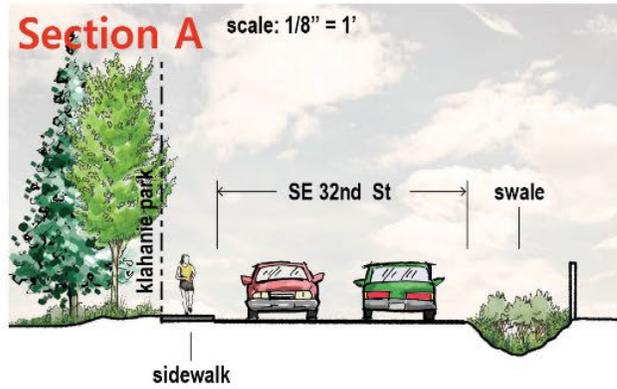
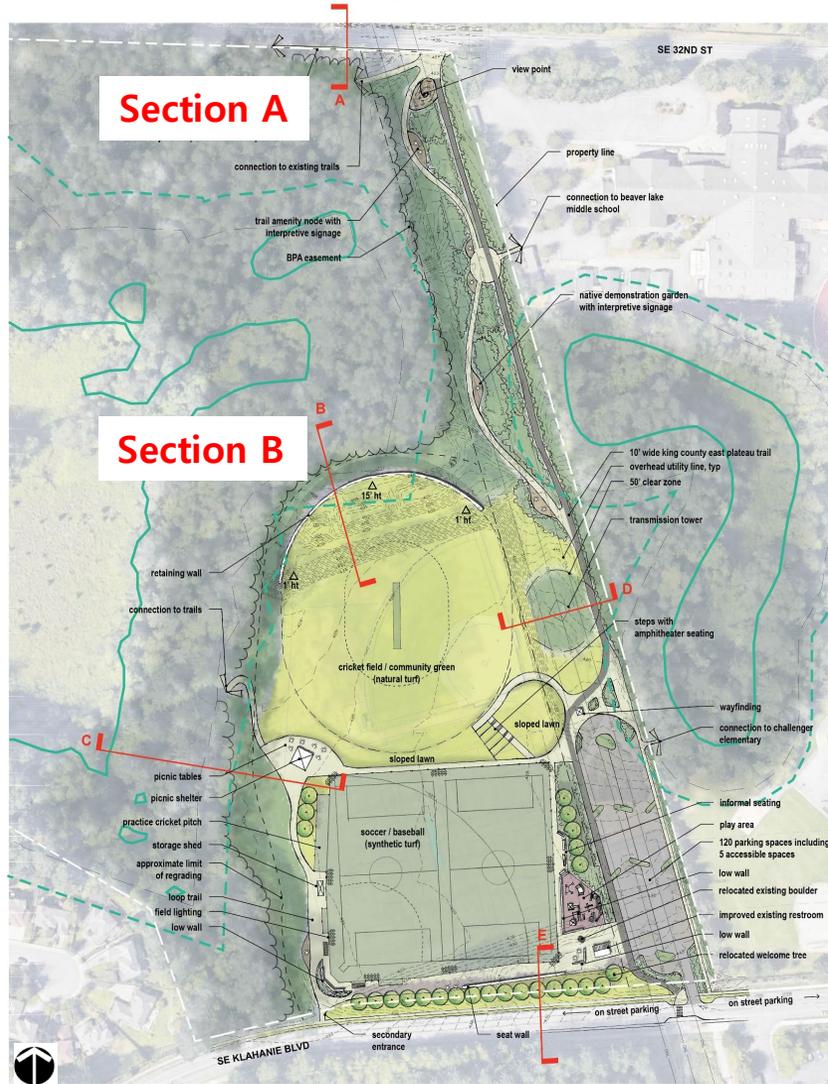
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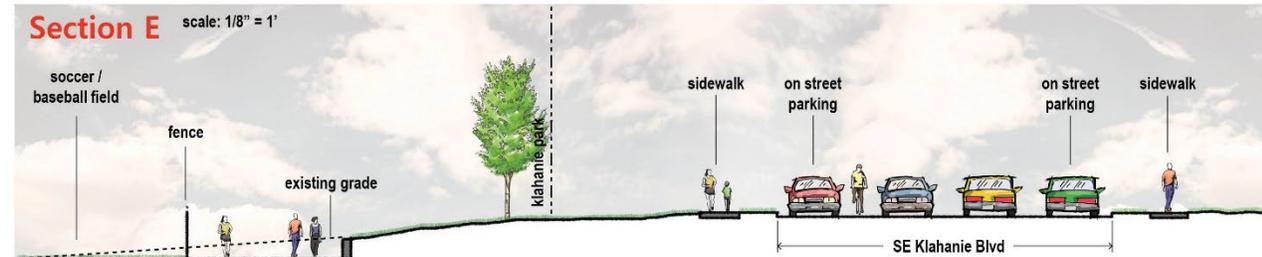
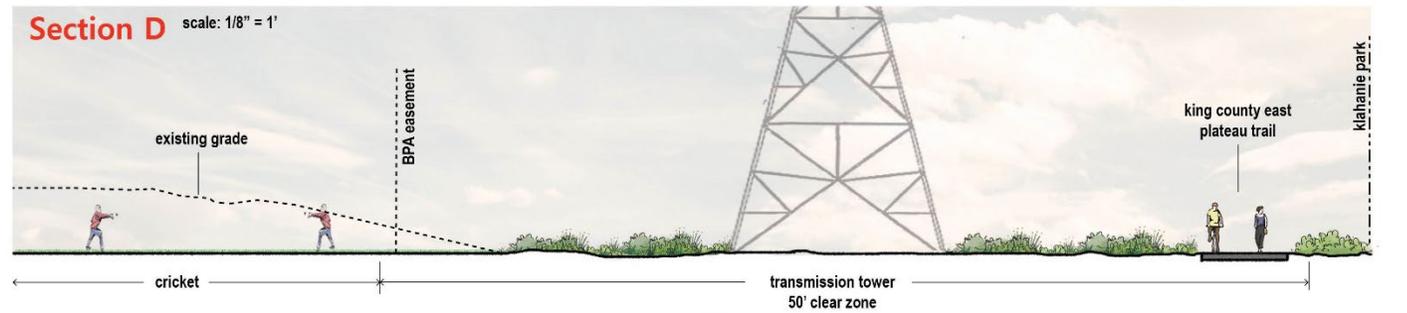
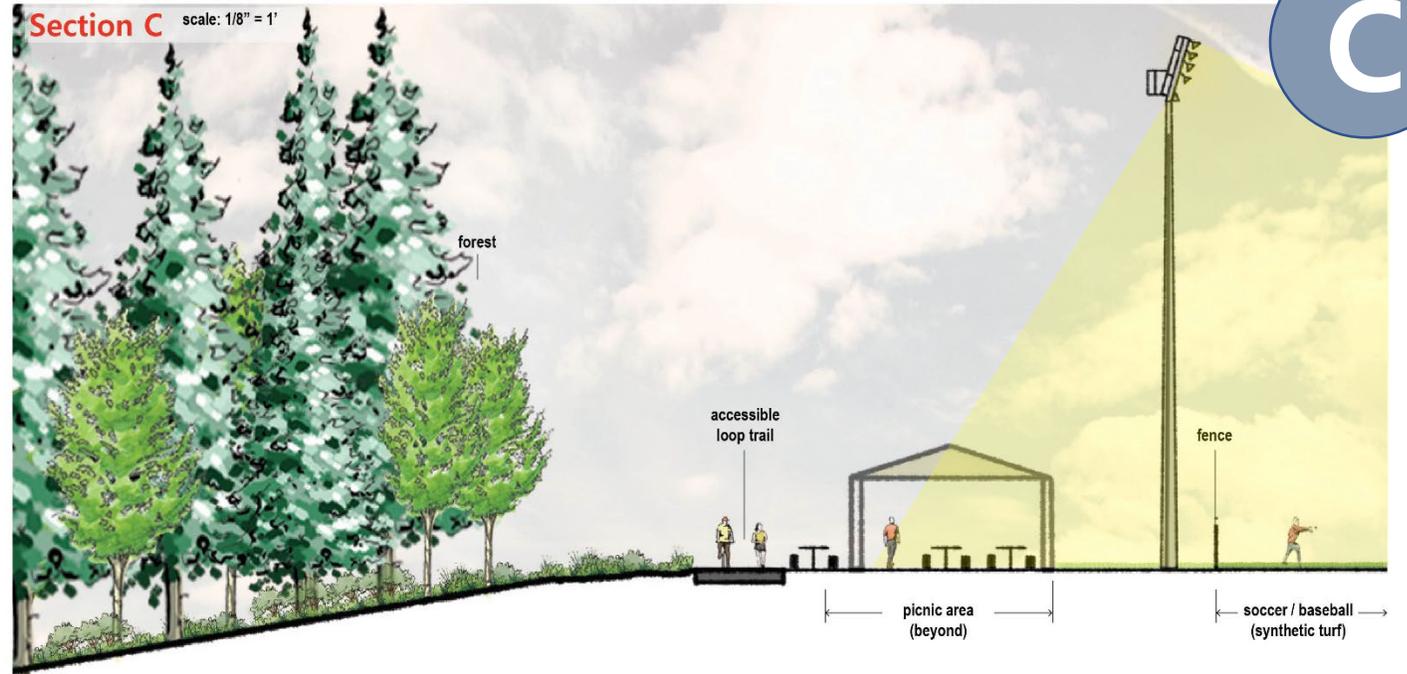
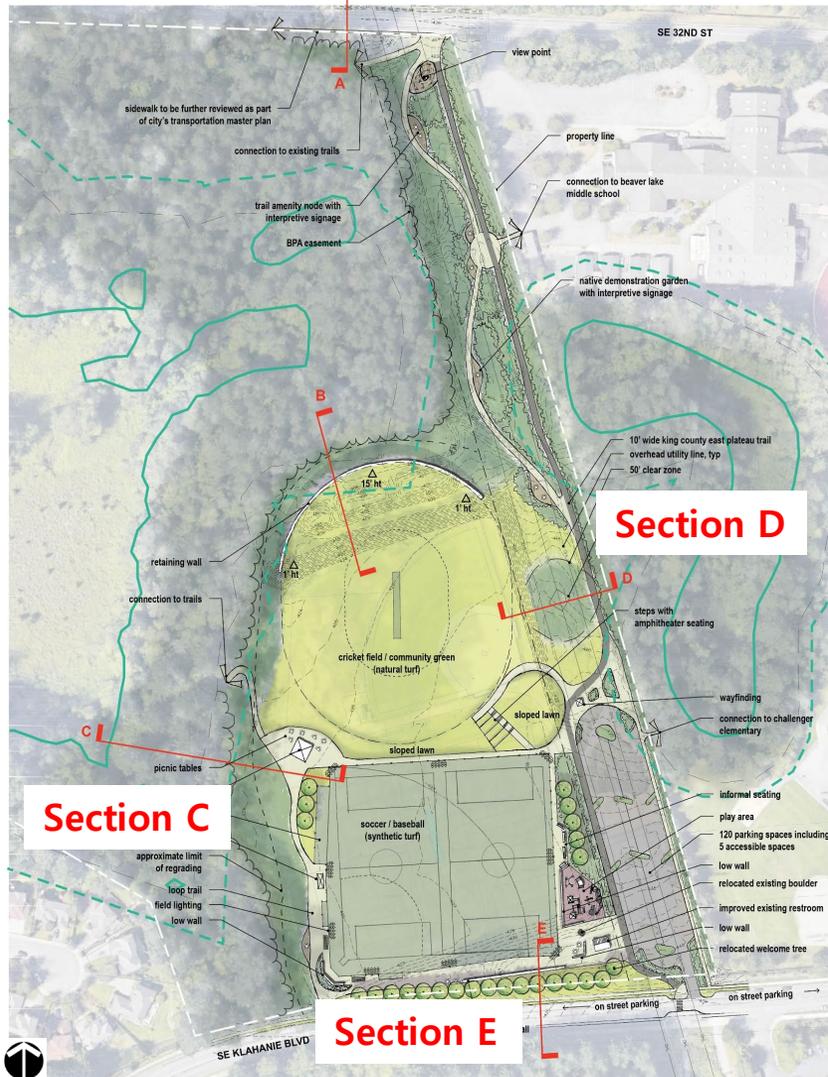
Concept Alternatives



Concept Alternatives



Concept Alternatives



Programming Alternatives – Balanced Activities / Fields

Environmental Considerations

50%+

Increase in Use

100%

Increase in Reliability

Natural Grass

- Routine mowing contributes to carbon emissions
- Requires use of fertilizers, pesticides and herbicides that may leach into groundwater
- Permeable surface filter stormwater
- Biodegradable
- High water use
- Natural bacteria to process organic deposits
- Requires establishment period and occasional 'resting' period prior to use
- Use is limited by saturation after rain events

Synthetic Turf

- Turf system has potential to be recycled, but costly
- Retains heat contributing to urban heat index
- Chemicals may be required to disinfect surface if needed; water wash-down optional
- Minimal water-use except occasional cleaning
- No natural bacteria to process organic deposit; additional fencing needed
- No establishment or 'resting' period needed
- Not susceptible to saturation after rain events

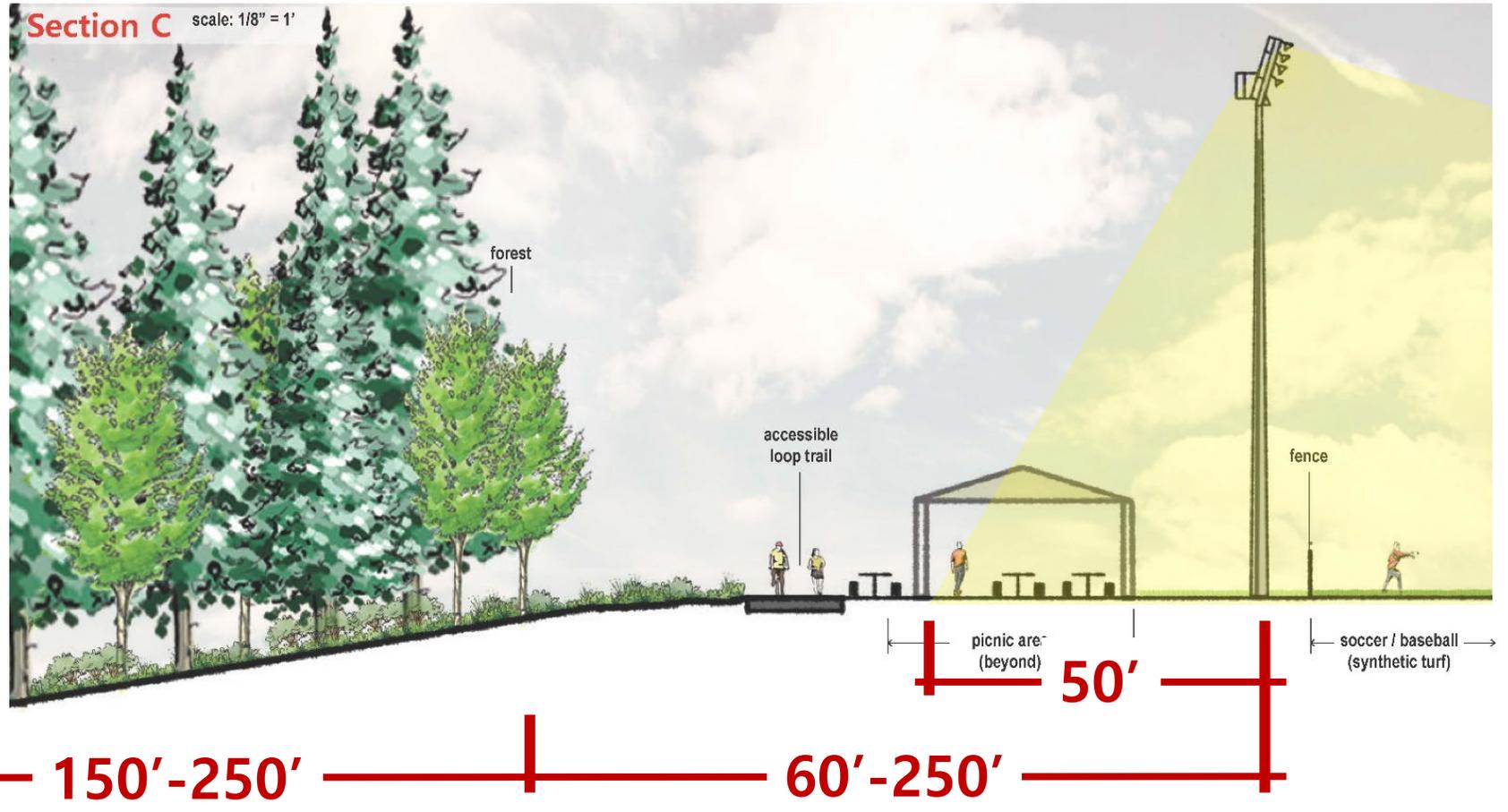
Programming Alternatives – Balanced Activities / Fields

	Natural Grass	Synthetic Turf
Installation Cost	\$8 - \$10 /sf Natural grass with underdrains	\$15 – \$18 /sf Synthetic surface, natural infill, with underdrains
Annual Maintenance	\$50 - \$75K / year (adequate maintenance) \$100 - \$150k / year (high level maintenance) More intensive regular maintenance	\$20K - \$40K /year Less intensive regular maintenance
Maintenance Equipment	Existing	Existing
Long-Term Replacement	Every 20 - 25 years (\$6-\$8 /sf) Surface and base materials	Every 8 - 12 years (\$8-\$12 /sf) Surface materials only
Stormwater	Collected and treated; overflow controlled by code	Collected and treated; overflow controlled by code
Materials	Natural grass; sand/topsoil base; underdrainage	Synthetic turf surfacing; cork or other natural infill; sand/gravel base; underdrainage

Programming Alternatives – Balanced Activities / Lights

- 70' – 80' pole height
- 60' – 80' tree height
- LED / cut-off fixtures
- Wireless, programmable controls

50%+
Increase in Use
(and wider age range)



Concept Alternatives

What we heard from Public Workshop #2. . .



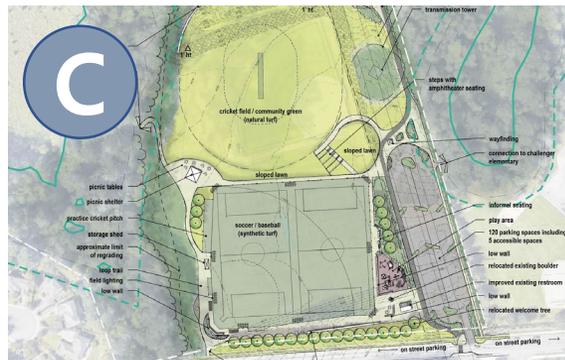
LIKED the open space, the community gardens, the big rock and trees remain, loop trail, meandering easement trail with amenity nodes, natural turf

DISLIKED the fencing that would make the entrance feel less welcoming



LIKED the similar efficiency of the sports fields to the existing, natural grass, natural stormwater treatment, central play area, ballfield fences out of the way

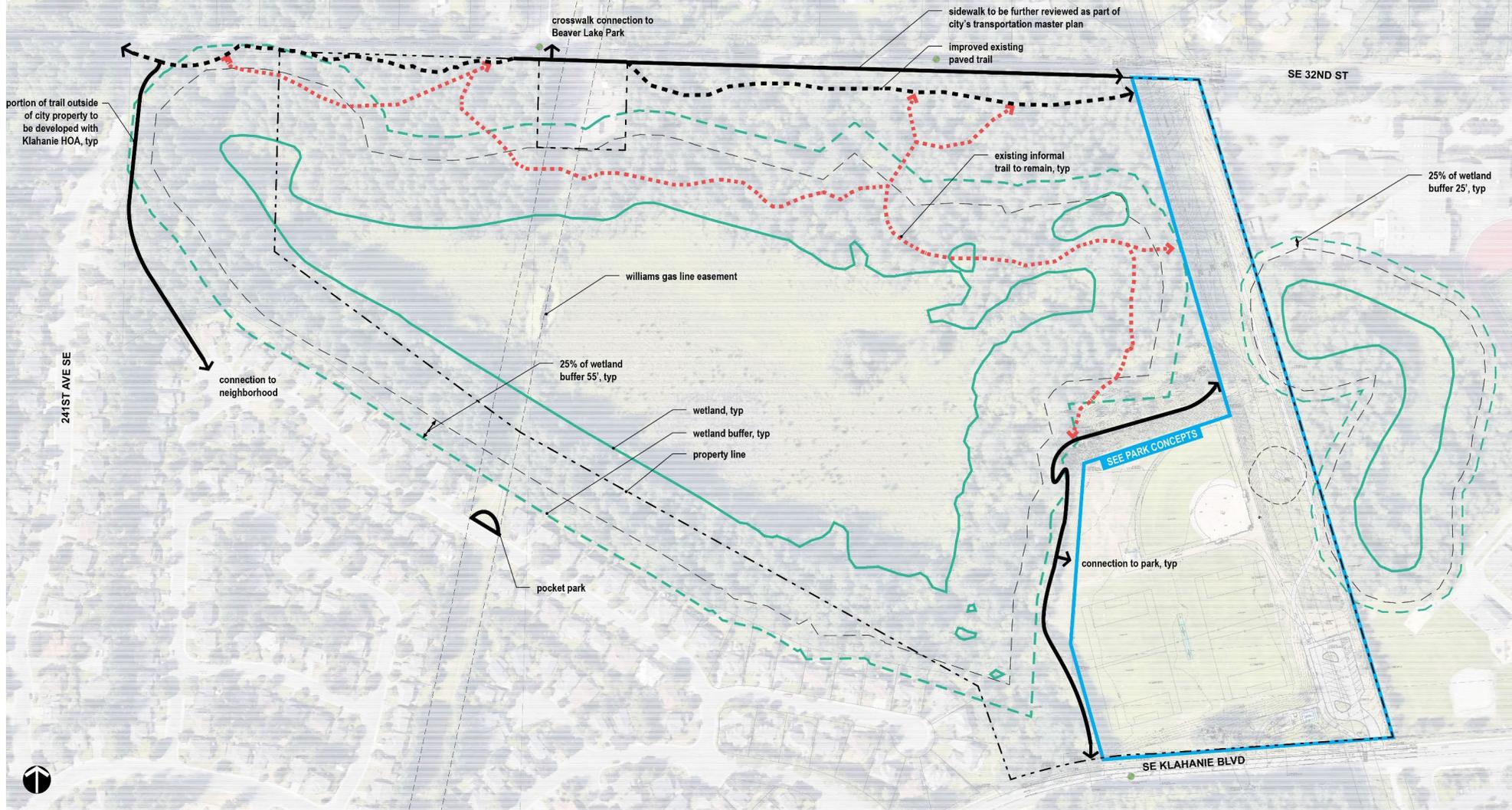
DISLIKED community open space is too small, distance of the play area to parking



LIKED artificial turf, field lighting, full adult softball field, cricket field separation

DISLIKED artificial turf, field lighting, loss of the neighborhood character, too much impact, loss of nature, stormwater redesign, fencing along Klahanie Blvd.

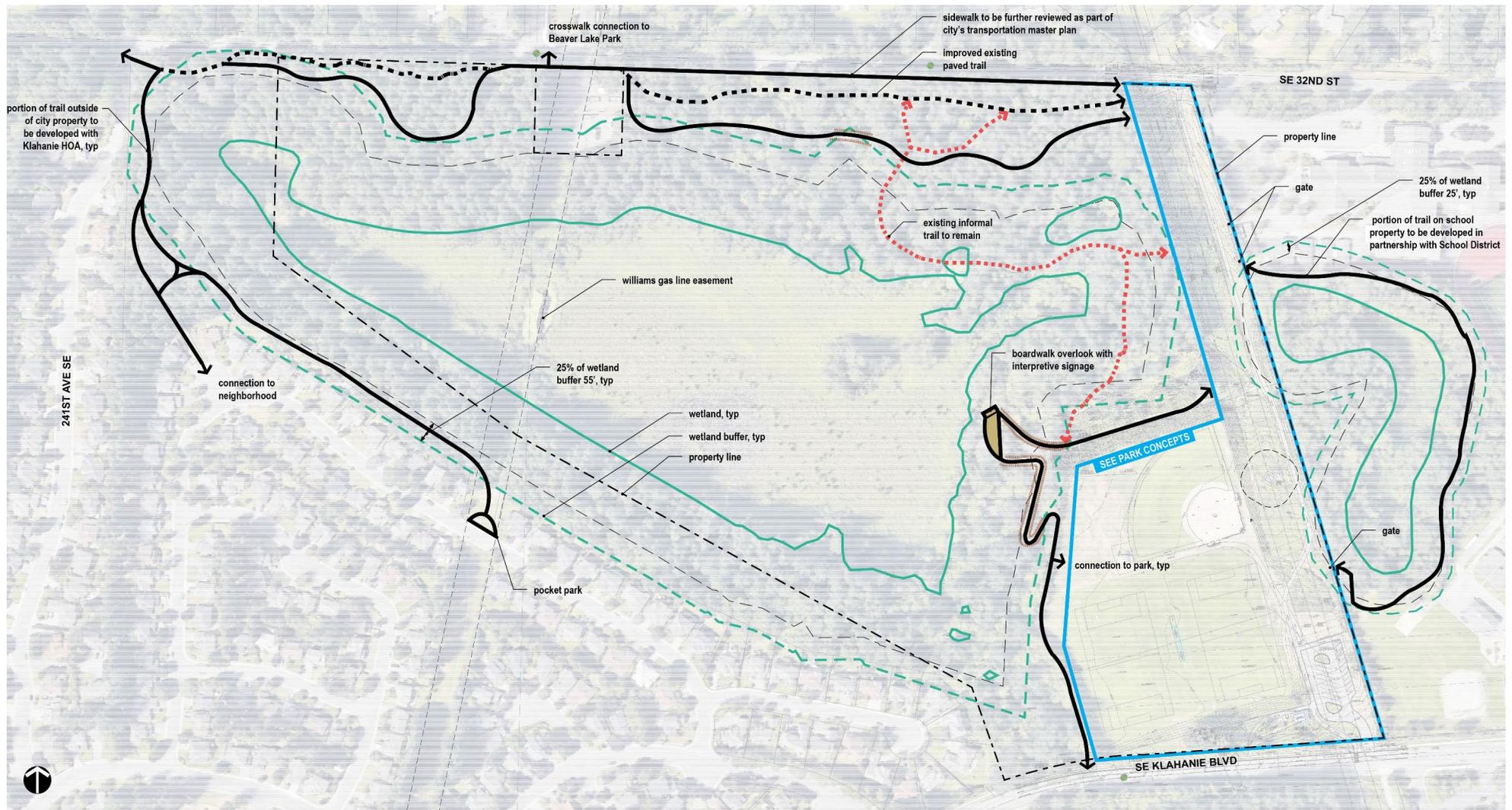
Concept Alternatives



LEGEND

	park concept boundary
	wetland
	connections
	new trail
	existing trail
	existing informal trail

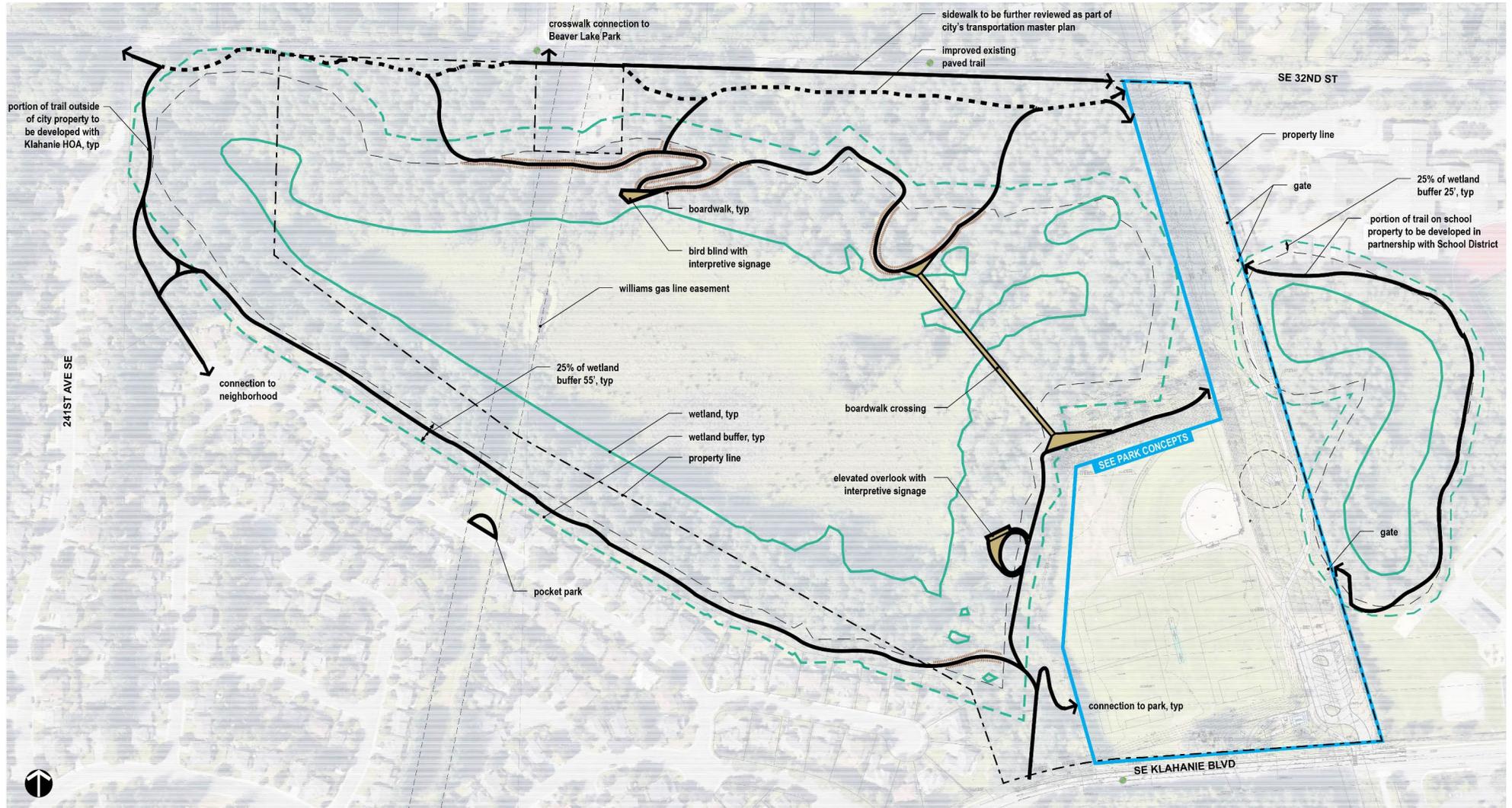
Concept Alternatives



LEGEND

	park concept boundary
	wetland
	connections
	new trail
	existing trail
	existing informal trail
	boardwalk

Concept Alternatives

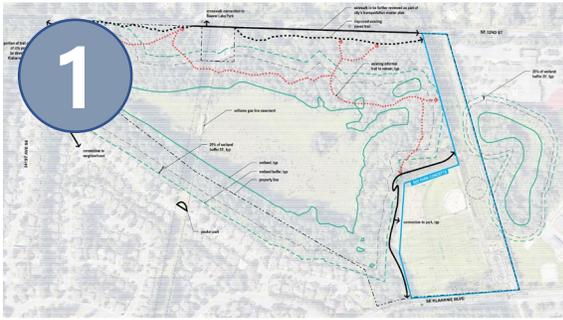


LEGEND

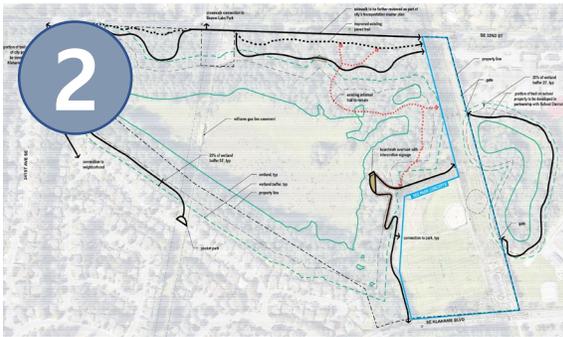
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	boardwalk

Concept Alternatives

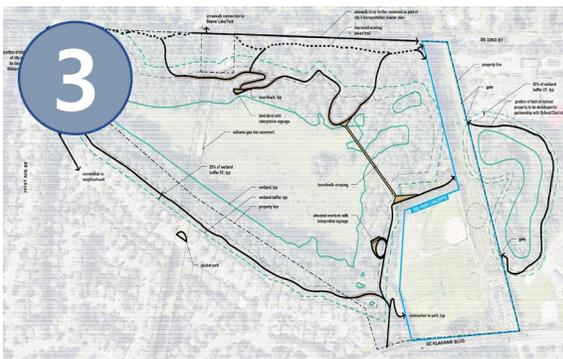
What we heard from Public Workshop #2. . .



LIKED removed trails behind homes, minimum impact to the bog
DISLIKED



LIKED overlook but it needs to consider CPTED and impact on the environment, school wetland trail
DISLIKED trail behind homes



LIKED
DISLIKED trail behind homes, full loop trail has too much impact on bog, bridge over bog is too invasive, too much access to the bog



Discussion

Discussion

- What do you like about each alternative?
- What don't you like about each alternative?
- Additional suggestions?
- What did we miss?



Next Steps

Next Steps

- Online survey (open June 5 – June 21)
- Preferred Concept development (Build a plan)
- Public Workshop #3 to review preferred concept (August)
- Present preferred concept to Parks & Recreation Commission (Sept. 4)
- Present preferred concept to City Council (October)



Memorandum

801 228th Avenue SE ■ Sammamish, WA 98075 ■ phone: 425-295-0500 ■ fax: 425-295-0600 ■ web: www.sammamish.us

DATE: May 31, 2019

TO: City Council and Parks & Recreation Commission

FROM: Shelby Perrault, Parks Project Manager
Anjali Myer, Parks & Recreation Deputy Director
Angie Feser, Parks & Recreation Director

RE: 3/6/19 Regular Meeting – Answers to Parks & Recreation Commission related to Klahanie Park Master Plan
3/12/19 Study Session – Answers to City Council Questions related to Klahanie Park Master Plan

A representative from the consultant team, HBB, presented background information and an analysis of existing conditions and uses at Klahanie Park during the March 6, 2019 Parks & Recreation Commission meeting and March 12, 2019 City Council Study Session. During these meetings, City Council and the Parks & Recreation Commission discussed their hopes, dreams and concerns related to the master plan of Klahanie Park. The following answers are provided by the consultant team and city staff in response to questions raised by the Parks & Recreation Commission and City Council. The PowerPoint presentation referenced below is included as an exhibit in the Klahanie Park Master Plan discussion agenda bill for the June 11, 2019 City Council Joint Meeting with the Parks & Recreation Commission.

Responses to Parks & Recreation Commission Questions at March 6, 2019 Regular Meeting

- A-1. How well used is the Klahanie P-Patch?
- The P-Patch in Klahanie is chartered under the Klahanie HOA and consists of 27 beds, 12 of which are currently rented. Each bed is 10' x 20'. The Klahanie Pea Patch committee (KPPC) is currently working on a 5-year re-location plan for better access and sunlight exposure. The KPPC is in the first year of the re-location plan and a future location has not been identified.
- A-2. Where is all the drainage going?
- All stormwater from the southern portion of the park, in addition to a portion of Beaver Lake Middle School, is currently being directed to the detention ponds which then either infiltrate or overflow into the bog. The developed area of Klahanie Park accounts for approximately 12% of the overall stormwater that makes its way to Queen's Bog. Additional stormwater information related to Queen's Bog is provided on slide 24 of the June 11, 2019 PowerPoint presentation.
- A-3. Will synthetic turf provide extended use and is there a demand from the sports groups?
- Yes, synthetic turf will provide extended use compared to natural grass. Synthetic turf fields can be rented year-round, while natural grass is only available March through October. It is also important to note that rainouts on natural grass are inevitable during those times. This happens most typically through early summer, when soils are inundated with rains and are essentially unusable for possibly days after the rain ceases because stormwater has nowhere to go. Simple wear and tear on grass is another issue to consider. Synthetic turf surfaces do not experience either of these issues.

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- Currently, youth sports groups are the primary renters of City fields. Conversion to synthetic turf and lights would allow additional youth, young adult and adult sports groups to utilize City fields. At this time, sports groups have significantly reduced their requests for City field rentals because the City's fields are at capacity.
- A-4. Does synthetic turf have more significant negative environmental impacts than natural grass?
 - There are environmental impacts for both synthetic turf and natural grass. These impacts are compared on slide 40 of the June 11, 2019 PowerPoint presentation.
- A-5. Are maintenance practices/materials in maintaining synthetic turf different or worse than natural grass?
 - Synthetic turf maintenance requires less frequent use of gas-powered equipment, significantly less water usage, and far fewer chemical inputs than natural grass.
- A-6. What would be long-term maintenance costs for natural grass versus synthetic turf?
 - Generally speaking, a natural grass field costs \$50,000 - \$75,000 annually for adequate maintenance (water and mowing) or \$100,000 - \$150,000 annually for a high level of maintenance (water, seed, fertilizer, and mowing). Whereas a synthetic turf field costs \$20,000 - \$40,000 annually for maintenance.
- A-7. Can a cost comparison be provided for synthetic turf and natural grass systems for maintenance and value of use?
 - Currently, the natural grass field revenue does not cover annual maintenance costs. If a synthetic turf system was selected, the field revenue would potentially cover annual field maintenance costs. Additional information related to maintenance costs is provided on slide 41 of the June 11, 2019 PowerPoint presentation.
 - In response to value of use, it is difficult to quantify the value of cool, soft, natural grass to that of durable and reliable synthetic turf. There are intangible benefits to each system.
- A-8. What are the costs for natural infill (i.e. cork), tradition infill materials, and natural turf?
 - The Infill costs included below exclude the cost of adjacent improvements, fencing, etc.:
 - Sand-Based Natural Grass: \$8-\$10/sf
 - Synthetic Turf w/ Styrene Butadiene Rubber (SBR) Crumb Rubber: \$12-\$15/sf
 - Synthetic Turf w/Coated SBR Crumb Rubber: \$13-\$16/sf
 - Synthetic Turf w/Granular Cork on a Supplemental Pad*: \$15-\$18/sf
 - Synthetic Turf w/Thermo Plastic Elastomer (TPE) on a Supplemental Pad*: \$16-\$19/sf

**Use of Infill option without supplemental pad not recommended*
- A-9. What portion of the future turf replacement costs can be offset with field reservation revenue?
 - The table on the following page provides a breakdown of current field reservation fees and availability for synthetic and natural turf fields that the City rents.



Sammamish Athletic Field Rental Information

Comparison	Synthetic Turf	Natural Grass
Youth Reservations	\$60 per hour	\$17 per hour
Adult Reservations	\$90 per hour	\$30 per hour
Misc. Costs	\$20 per hour - lights	\$ 40 – field prep
Availability	9:00 a.m. – 9:00 p.m. Year-round	9:00 a.m. – Dusk March through October

- A-10. What sports groups are playing during the February timeframe with synthetic turf? Additionally, how many sports groups are playing?
- February itself does not typically have any youth recreational activity, however there are year-round adult soccer leagues. In late February, high school softball, baseball, and soccer are gearing up for the season. Additionally, several youth sports are still active well into November, as well as year-round adult leagues.

Responses to City Council Questions at March 12, 2019 Study Session

- B-1. What are the tree heights between the fields and the homes? What are the tree heights versus the field light heights? How much light would penetrate through the tree canopy?
- Tree heights between the fields and adjacent homes range from 60’ to 80’. Field light heights range from 70’ to 80’. Lighting would not penetrate through the tree canopy. Light screens would be used, and lights would only be turned on when needed. Field lighting can have a negative effect on habitat for nocturnal birds and bats. That said, the bog itself shouldn’t be affected due to the protective nature of the buffer. Additional information related to field lighting is discussed on slide 42 of the June 11, 2019 PowerPoint presentation.
- B-2. Is there capacity at Klahanie Park to be used as a community park that serves the City, versus a neighborhood park?
- The Parks, Recreation and Open Space Plan (PRO Plan) designates Klahanie Park as a community park. At 64 acres, it is the second largest community park in the City. Additional information on the different amenities provided in a community park and neighborhood park is identified on slide 8 of the June 11, 2019 PowerPoint presentation.
- B-3. What kind of stewardship opportunities are there for students?
- Once a preferred master plan is developed, the City can work with adjoining schools to identify potential stewardship opportunities.
- B-4. When was the pond last cleaned? Are there sand filters?



Memorandum

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- The City began maintaining and inspecting the stormwater facility within Klahanie Park in 2017, following the Klahanie annexation. The most recent inspection was completed July 27, 2018 and there were no noted maintenance needs.
 - There does not appear to be a sand filter. The facility uses a wet pond, followed by a bioswale for its water quality treatment.
- B-5. How much water is flowing to the bog and where is it coming from?
- Please refer to response A-2.
- B-6. How can we restore the bog?
- It is challenging to restore a bog. Once its chemistry begins to change, there is little to be done outside of reducing the overall impact. Going in to remove plants and re-planting with bog species would be damaging. The best thing to do is to stop stormwater entering the bog, or ensure it is properly treated before entering the bog. Lastly, the buffer should be enhanced for further protection.
- B-7. Can utility agencies that own property just north of Queen's Bog make any environmental improvements on their property or park property?
- City staff have reached out to both utility agencies to discuss potential improvements on their property and/or park property.

VISION & PROGRAMMING SURVEY

The vision and programming survey was available online and open to the public from 03/13/2019 through 04/19/2019 and worked in tandem with the feedback from Public Workshop #1 to kick-off the design process. This was not a statistically valid survey.

Some survey questions asked what the community likes and dislikes about the current park and a variety of answers were submitted. In general, the community enjoys the park's location and it's neighborhood park feel, the flexible open space, current activities including the sports fields, the natural spaces, and trails. The survey results also show that the current drainage/wet field conditions, the crowded fields and busy open spaces, current playground structure, restroom, the power lines, and the trails are what the community likes the least about the park. Some other comments received included:

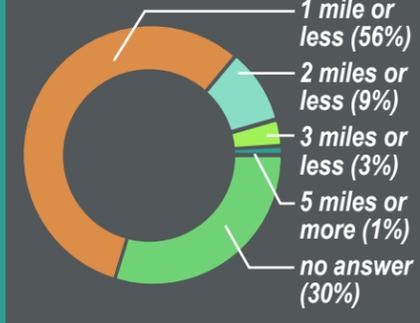
- increased traffic and safety concerns
- impact on the environment
- concern with adding field lighting
- concern with using artificial turf
- keep the big boulder by the playground
- concern with the park becoming crowded with large groups / leagues using the park
- desire to keep the park as-is.

The survey asked what one word or phrase would you use to describe **your vision for the future of Klahanie Park** and here is what we heard. The larger the word, the more often it was mentioned in survey responses.



677
Survey Participants

Distance participants live from the park...



The majority of survey participants live a short distance from the park and visit weekly or more.

Average age of participants...

2% under 25 years
41% 26 - 45 years
46% 46 - 65 years
11% over 65 years

Vision & Mission

Conservation of natural resources:

86%

agreed or strongly agreed

Vision & Mission

Opportunities to improve health and wellness:

70%

agreed or strongly agreed

Vision & Mission

Create social equity in access to parks and recreation:

45%

agreed or strongly agreed

Above is the % of survey participants who agreed that Klahanie Park should support the City's mission to create a legacy of diverse and quality parks, exceptional recreation programs, and protected natural resources.

Top Perfect Fit Features...

-  **#1** Restrooms
-  **#2** Natural surface trails
-  **#3** Playgrounds / natural play elements

Other perfect fit features included boardwalks, flexible space, picnic areas, and multi-purpose fields.

Top Non-Suitable Park Features...

- #1. Skate park / skate features
- #2. Frisbee golf course
- #3. Amphitheater / stage
- #4. Art murals & sculptures
- #5. Single purpose sport fields

Other less desired features: zipline, climbing walls, parkour, sports courts, off-leash dog area, spray park.

Top Guiding Principles...

-  **#1** Sustainable design
-  **#2** Ecological restoration / enhancement
-  **#3** Efficiency / ease of maintenance

Other guiding principles for the park design included connections to trails, schools, and residences.

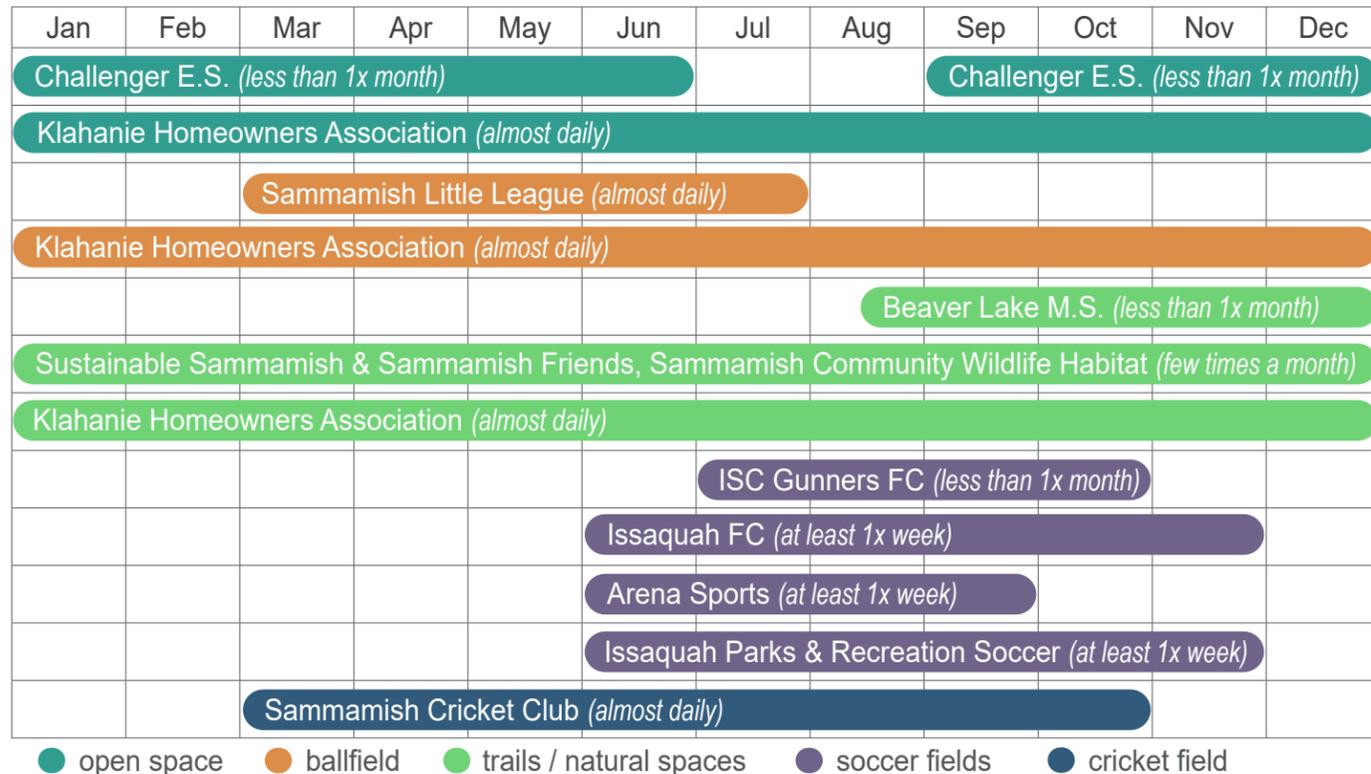
FOCUS GROUP MEETING & SURVEY

The design process included a focus group meeting and online survey. The focus group included stakeholders using the park for active and passive recreation, the school district, and three utility companies that have easements through the park. The survey was conducted from 03/12/2019 through 03/20/2019 and the focus group meeting was held on 03/14/2019. 18 participants took the survey. The feedback received in both the survey and meeting was essential in creating an initial menu of programming options for review by the larger community in Public Workshop #1. All three utility companies provided feedback and guidance for ensuring the final master plan remains compatible with their access and maintenance requirements. However, they are excluded from the data shown here because they have no recreation demands or requests. This was not a statistically valid survey

FOCUS GROUP PARTICIPANTS

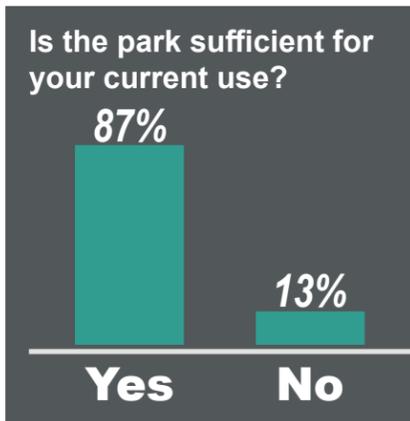
- Sammamish Little League
- Challenger Elementary School
- Beaver Lake Middle School
- Klahanie Homeowners Association
- Sustainable Sammamish
- Sammamish Friends
- Sammamish Community Wildlife Habitat
- ISC Gunners FC
- Issaquah FC
- Arena Sports
- City of Issaquah Parks & Recreation Soccer
- Sammamish Cricket Club
- Williams Gas Company
- Bonneville Power Administration
- Puget Sound Energy

Of the groups and individuals who currently use the park for active recreation, the following chart shows who uses the various areas of the park throughout the year and how frequently the areas are currently being used.

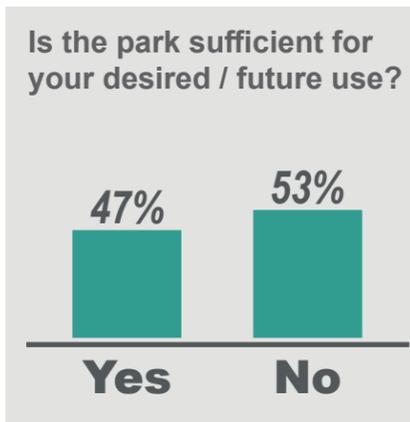


Estimated size of the groups using the park and their average annual growth...

Sammamish Little League 800 - 900 / ~5% annual growth	Sustainable Sammamish 10 - 15 / growth unknown	Arena Sports 150 / ~5%- 10% annual growth
Challenger Elementary School 570 / 3% - 4% annual growth	Sammamish Friends 10 - 15 / growth unknown	ISC Gunners FC 2,000 / ~5% annual growth
Beaver Lake Middle School 1,000 / ~less than 1% growth	Sammamish Community Wildlife Habitat 15 - 20 / ~5% annual growth	Sammamish Cricket Club 300 / ~30% annual growth
Klahanie Homeowners Association 12,000 / ~1% annual growth	Issaquah P&R Soccer 3,000+ / ~5% annual growth	Issaquah FC 700 / ~5%-7% annual growth



The "No" responses are related to the ballfield and soccer fields.



The "No" responses are related to all park areas (see right).

Wish List...

From the groups or individuals who's recreation needs are not met in the park, the following wish list of improvements was requested to meet their desired or future use:

Ballfield:

- Artificial turf
- Field lighting
- Picnic shelter / bbq pits
- Playground
- Covered dugouts
- Improved fencing / backstop
- Spectator seating
- Accessible, shorter path from parking to field
- 1 additional ballfield
- Serve all ages

Soccer Fields:

- Preserve 2 soccer fields
- Artificial turf
- Field lighting
- Adequate parking
- Playground

Cricket Field:

- All natural grass, mowed short
- 2 practice wickets
- Seating
- Maintain or expand field size
- Lighting

Overall:

- Improved drainage in open space and fields
- Increase parking
- Improve safety near the roadways
- Synthetic turf & light pollution are a concern

Trails / Natural Spaces:

- X-Country course
- Boardwalks
- Preserve nature & bog
- User-friendly paths
- Connect the loop trail
- Don't add trails
- Interpretive signage
- Bog viewing area
- Emergency access
- Clear noxious weeds
- Native plant & pollinator garden
- Celebrate & educate about the bog and natural spaces without negative impacts
- Stewardship opportunities

Open Space:

- Outdoor classroom
- Accessible play area
- Zipline
- Access to restrooms
- Community kiosk
- Gathering space
- Covered picnic shelter
- Family friendly activities