

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

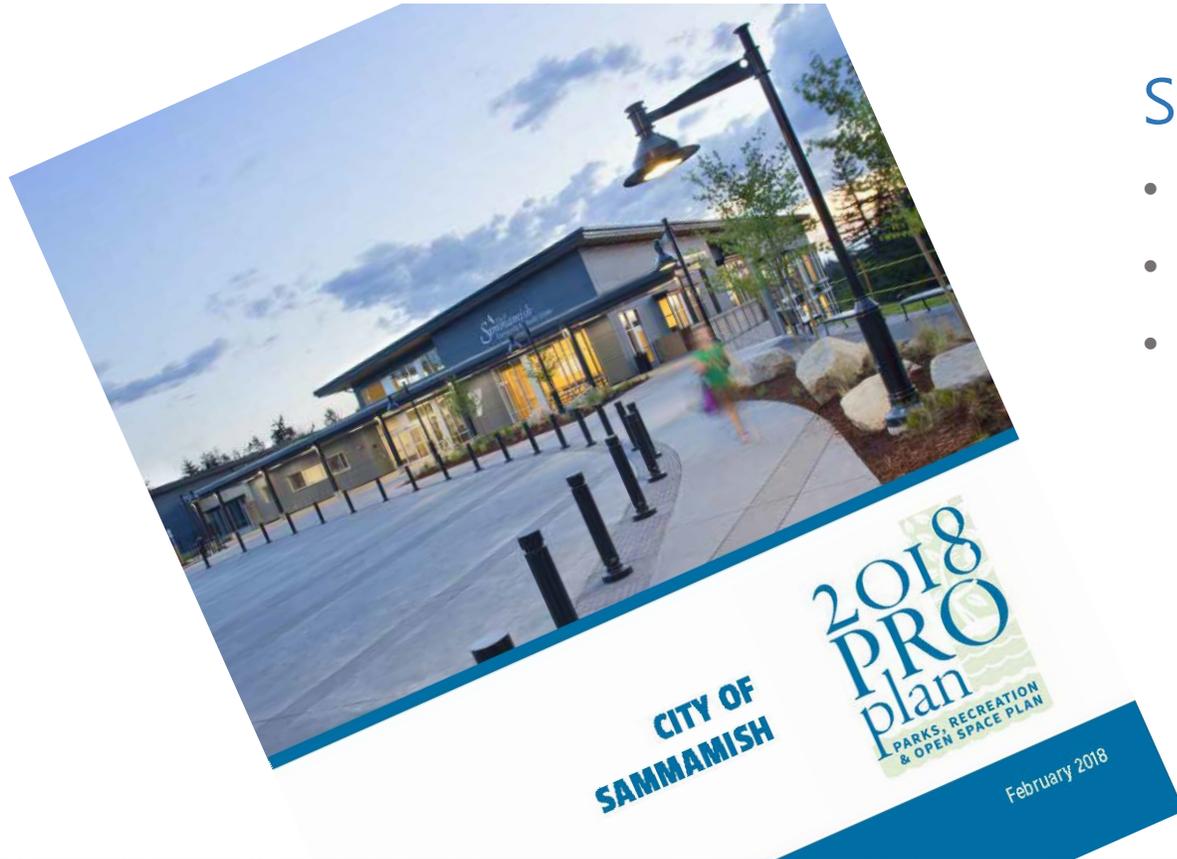


Site Context



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



Missing Elements of the Existing Park & Recreation System...



Top priorities for active and passive use from online survey...



Natural surface trails

Boardwalk trails

Playground

Picnic areas

Restroom

Flexible space

Multi-purpose fields

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

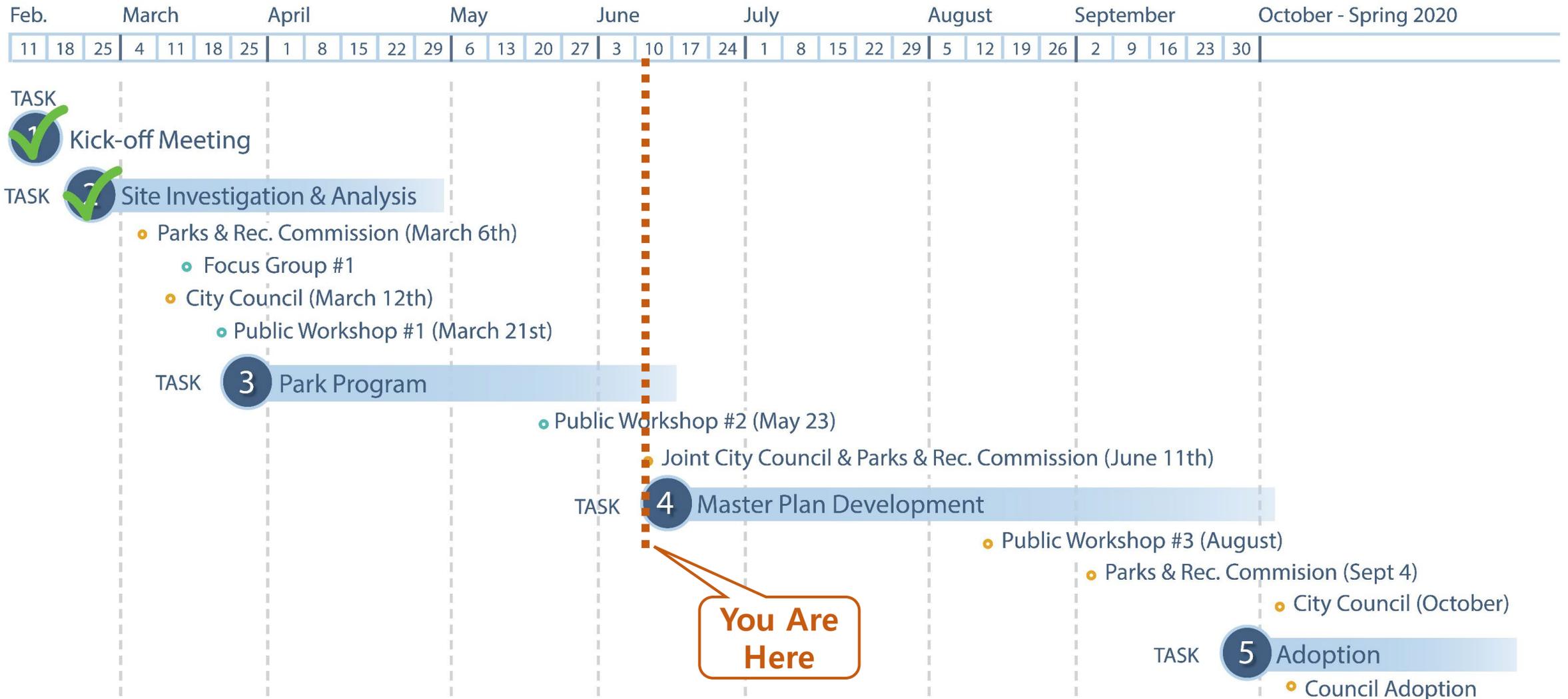


Background & History



- 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

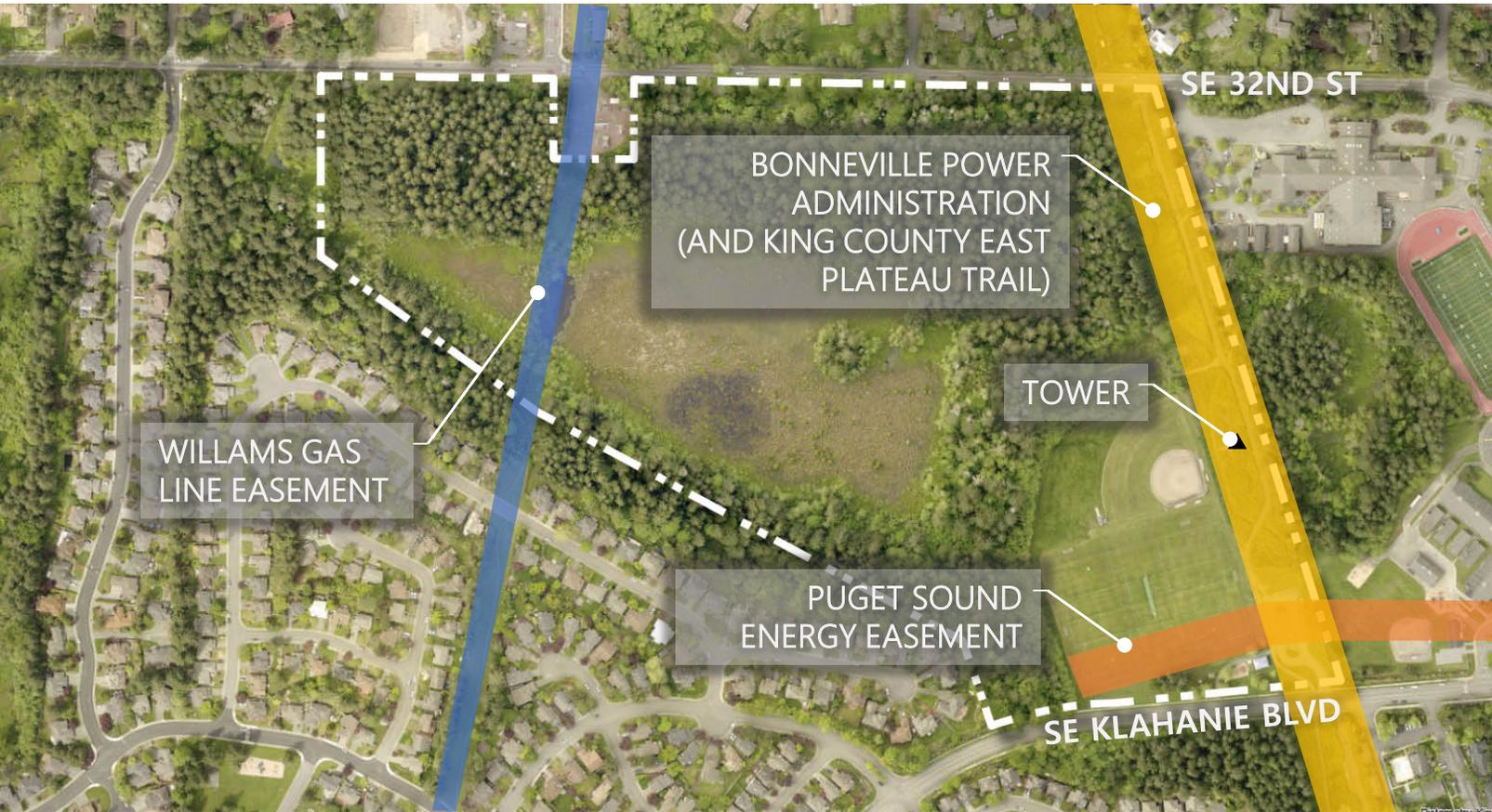
Existing Conditions



Existing Features

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

Easements



Active Recreation Areas



Bog, Critical Areas, & Trails





Outreach Summary

Workshop #1



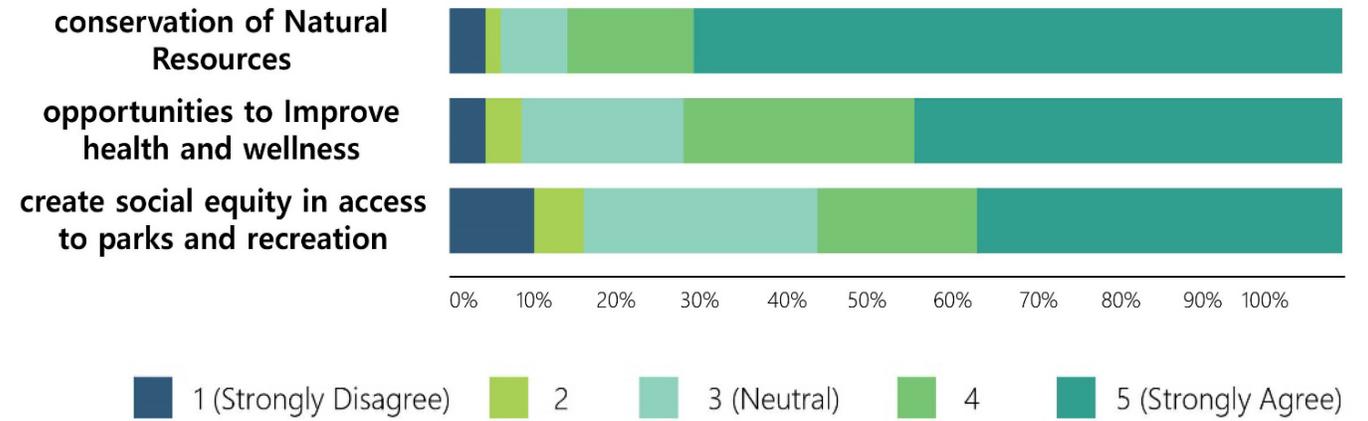
- Protect the environment
the bog is a treasured resource, as are the adjacent wetlands and wildlife that inhabit the park, keep any new improvements away from buffers and include restoration, education, etc. to celebrate the environment (without allowing access directly to it)
- More family activities
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

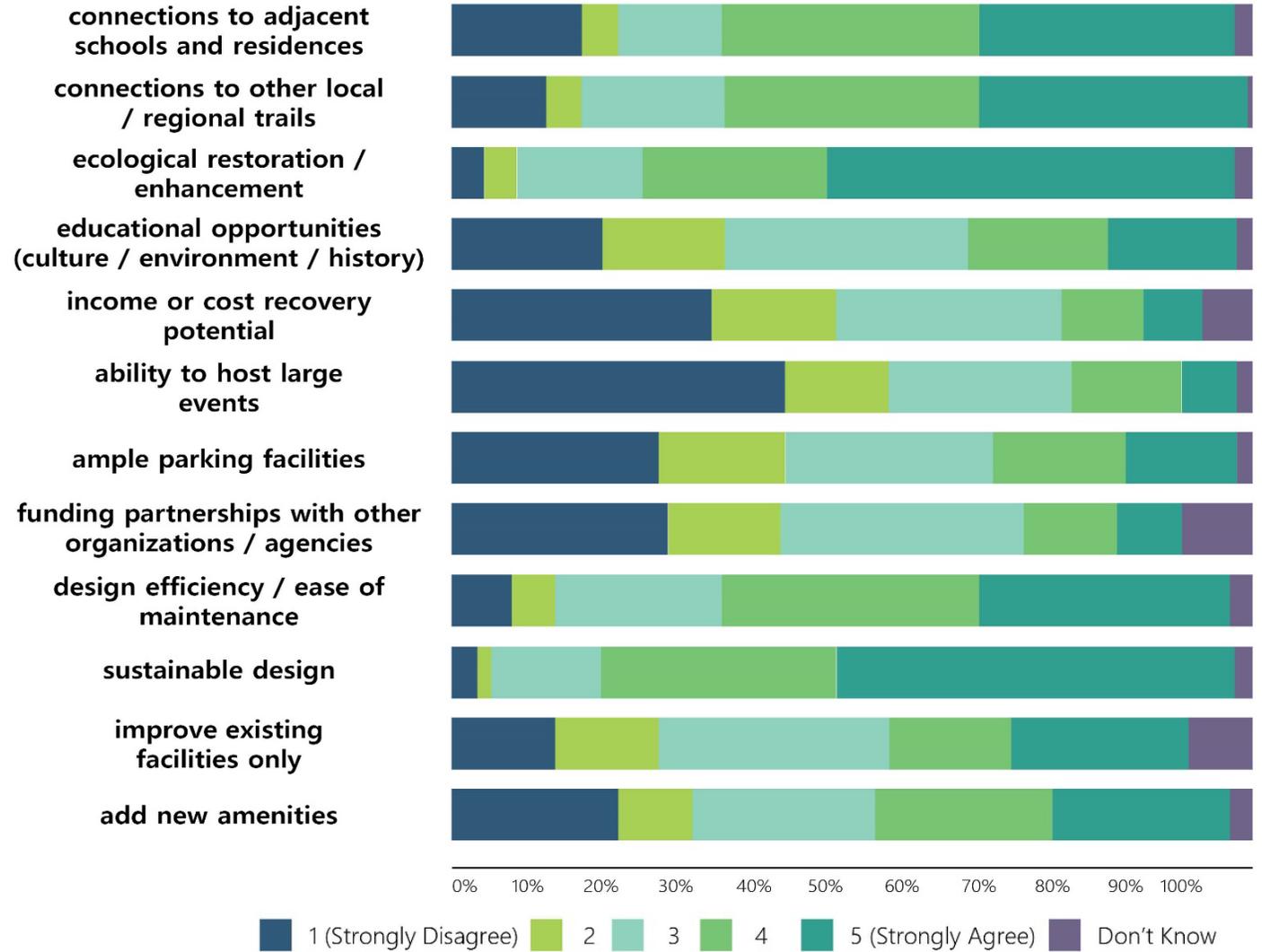
What extent should Klahanie Park support each vision & mission?



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

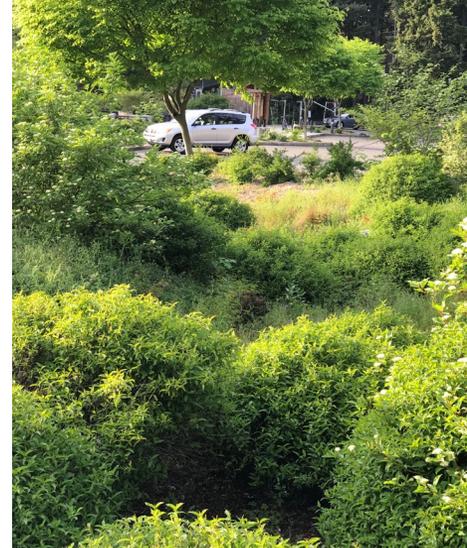
SHELTER /
ARCHITECTURAL
CHARACTER



Programming Alternatives – Gathering Areas

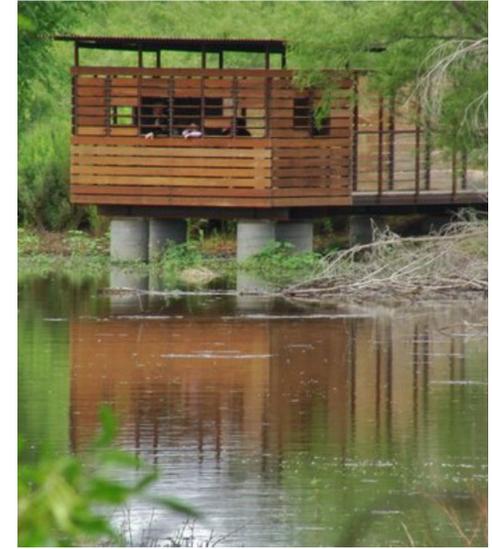
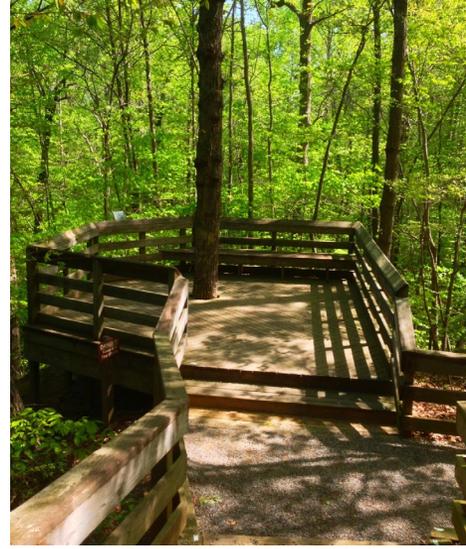
Peaceful
Community
Flexible
Play-Structure
Playground
Crowded
Small
Space

DEMONSTRATION GARDEN CHARACTER



Programming Alternatives – Balanced Activities / Trails

TRAIL CHARACTER & EDUCATION OPPORTUNITIES



Programming Alternatives – Balanced Activities / Fields

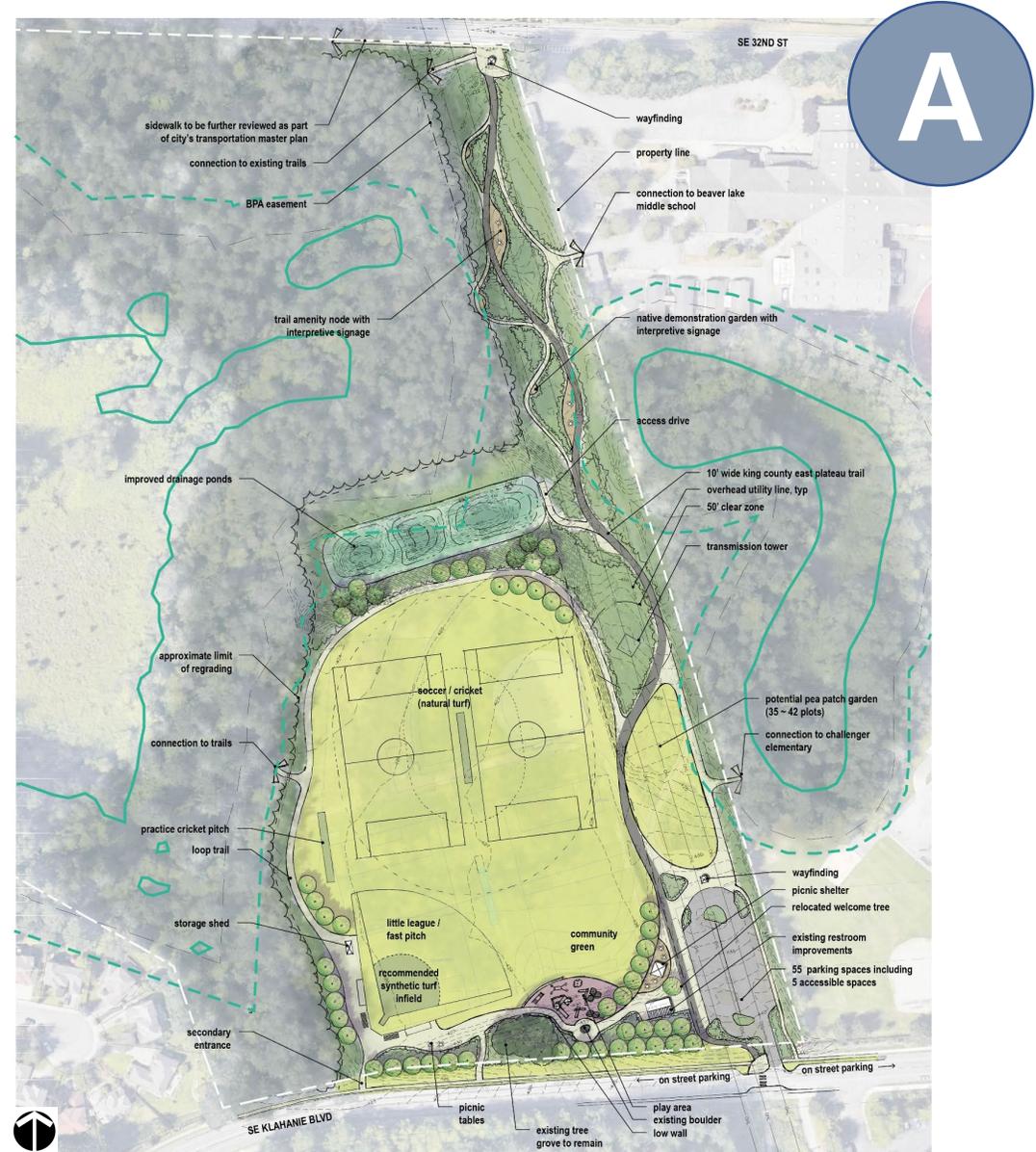


● open space
 ● ballfield
 ● trails / natural spaces
 ● soccer fields
 ● cricket field

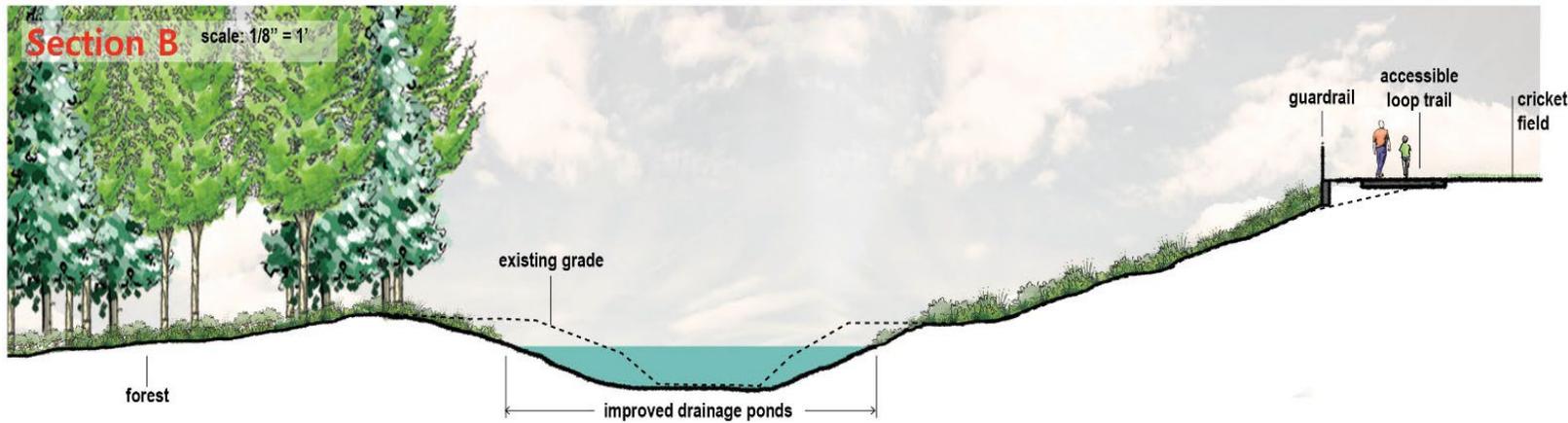
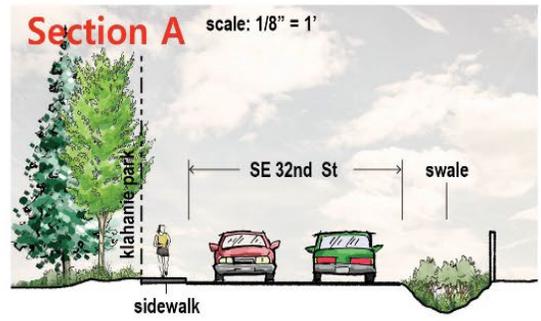
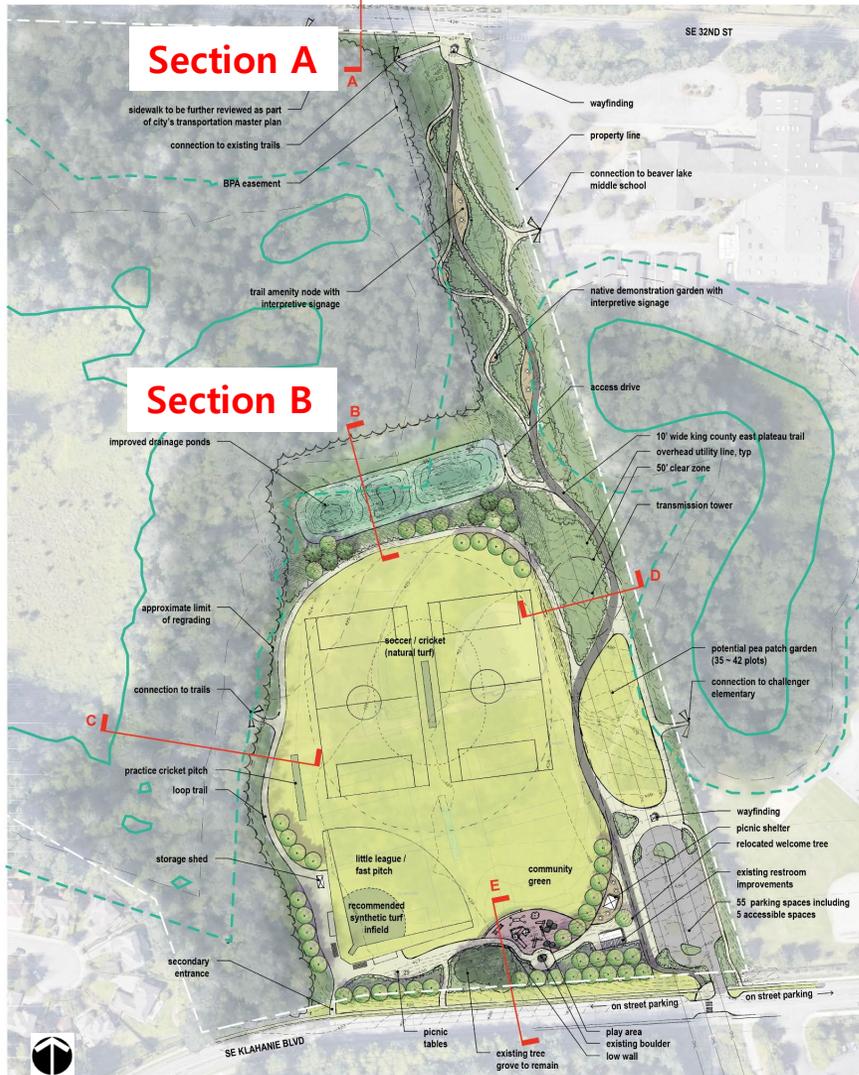
5%-10%+
Estimated annual growth in participation

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

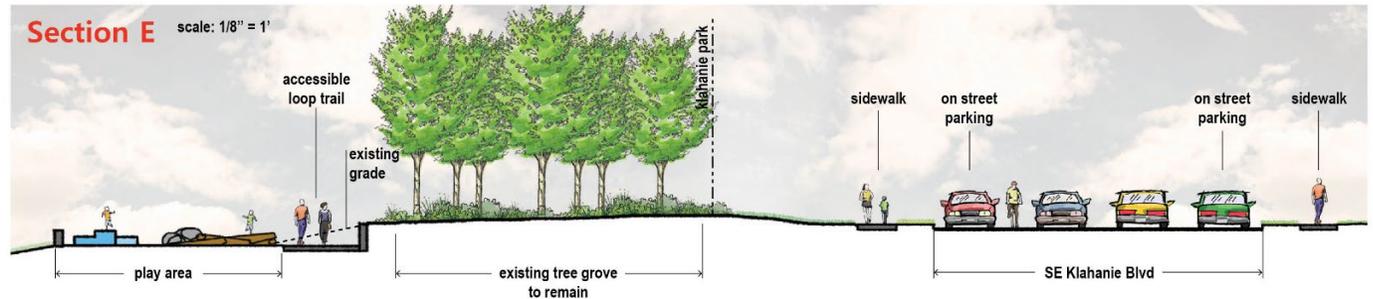
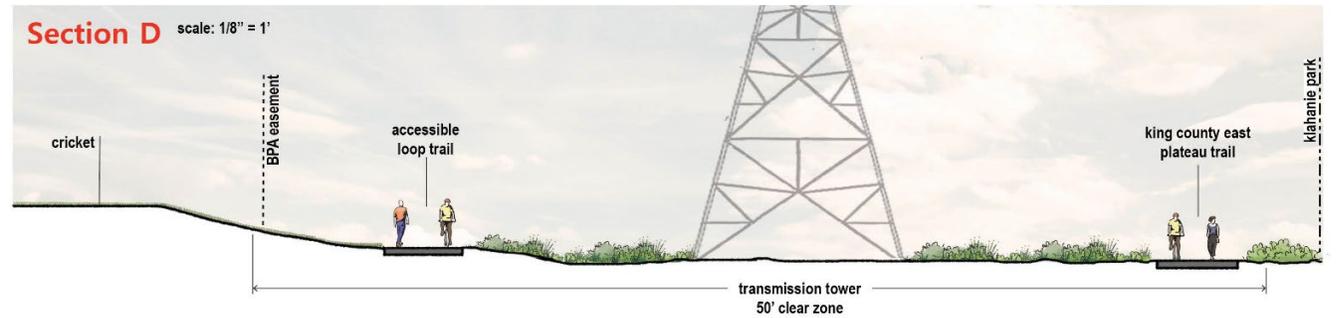
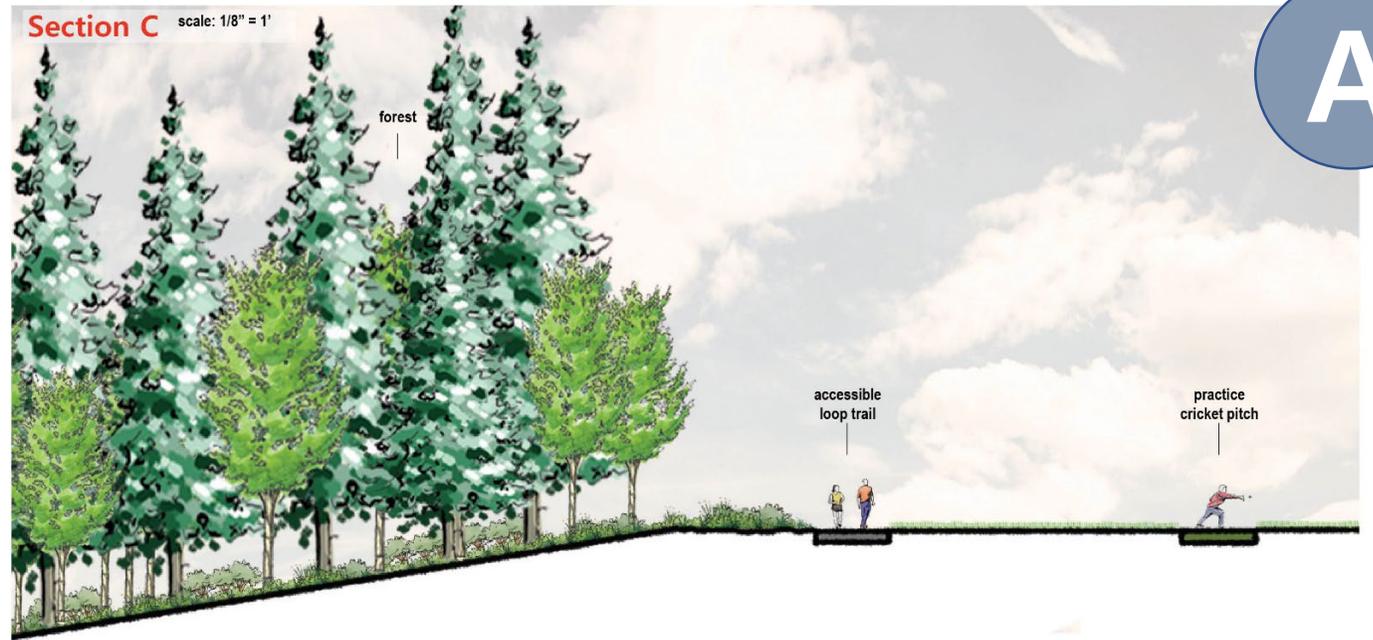
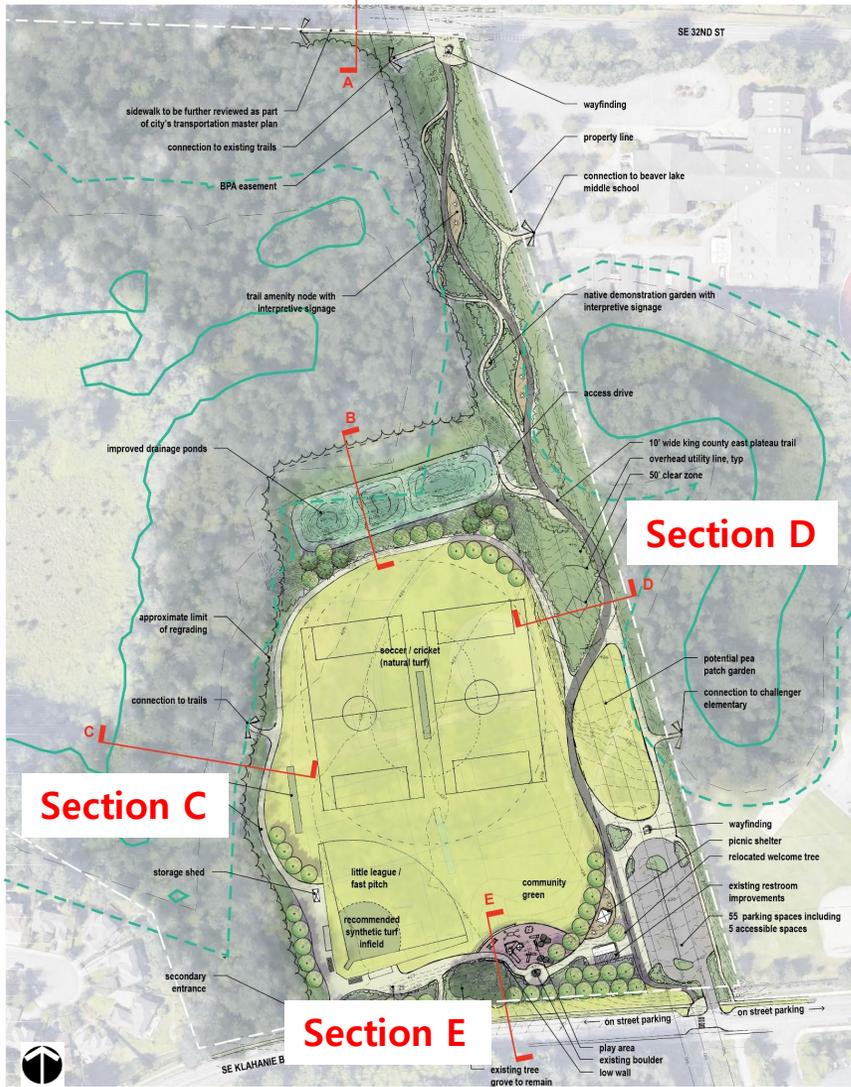
Concept Alternatives



Concept Alternatives



Concept Alternatives

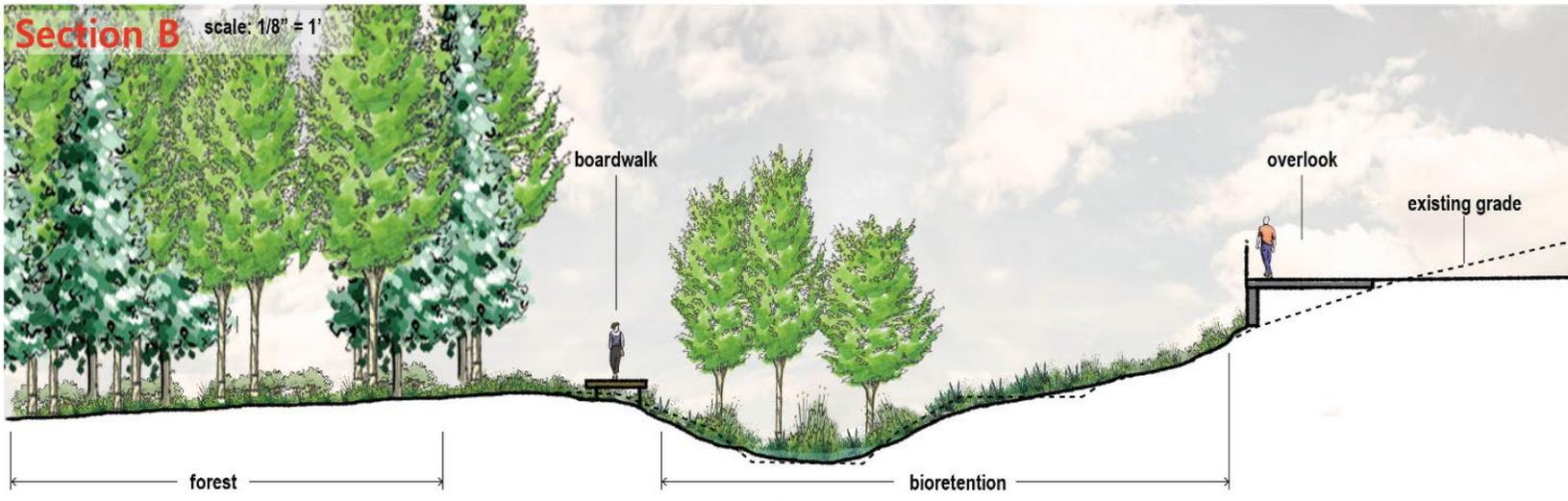
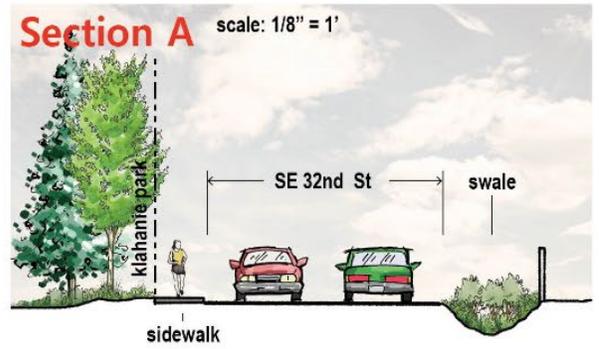


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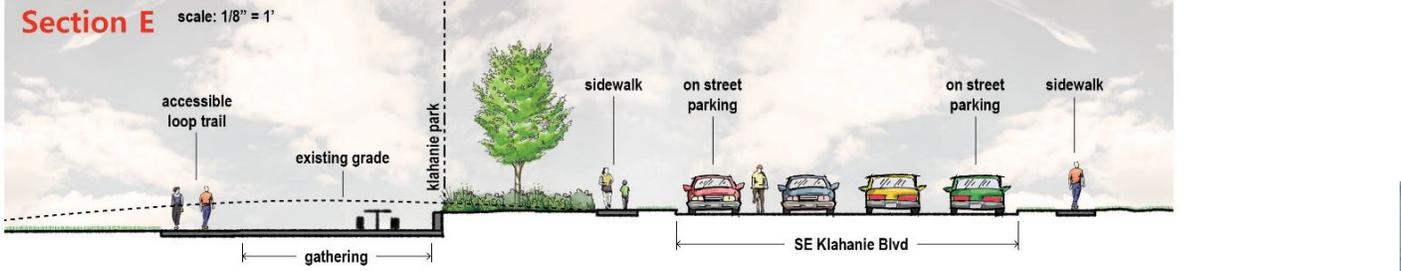
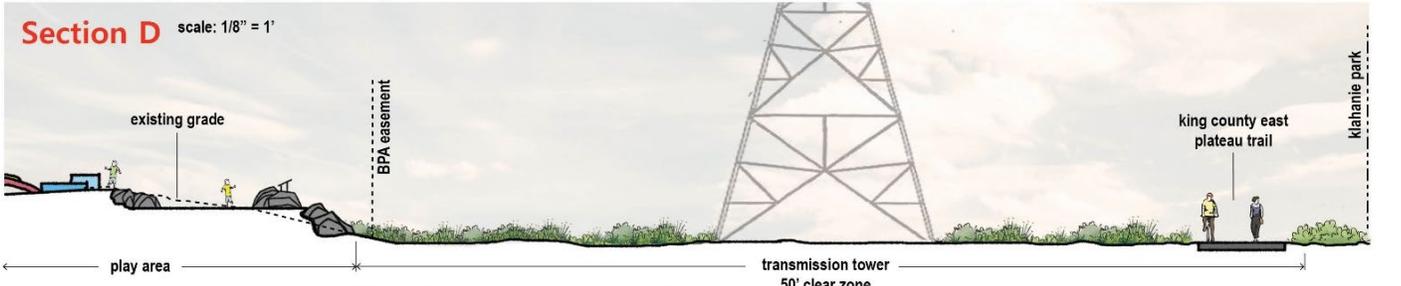
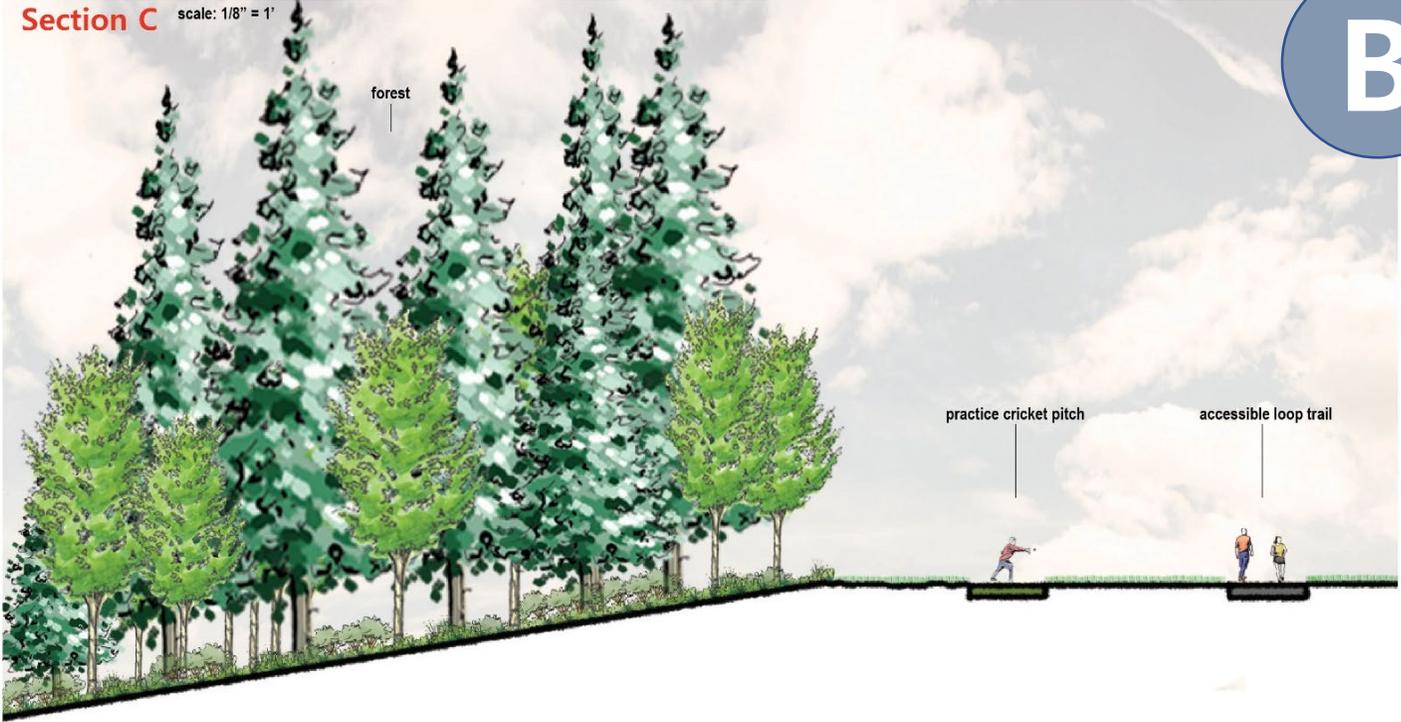
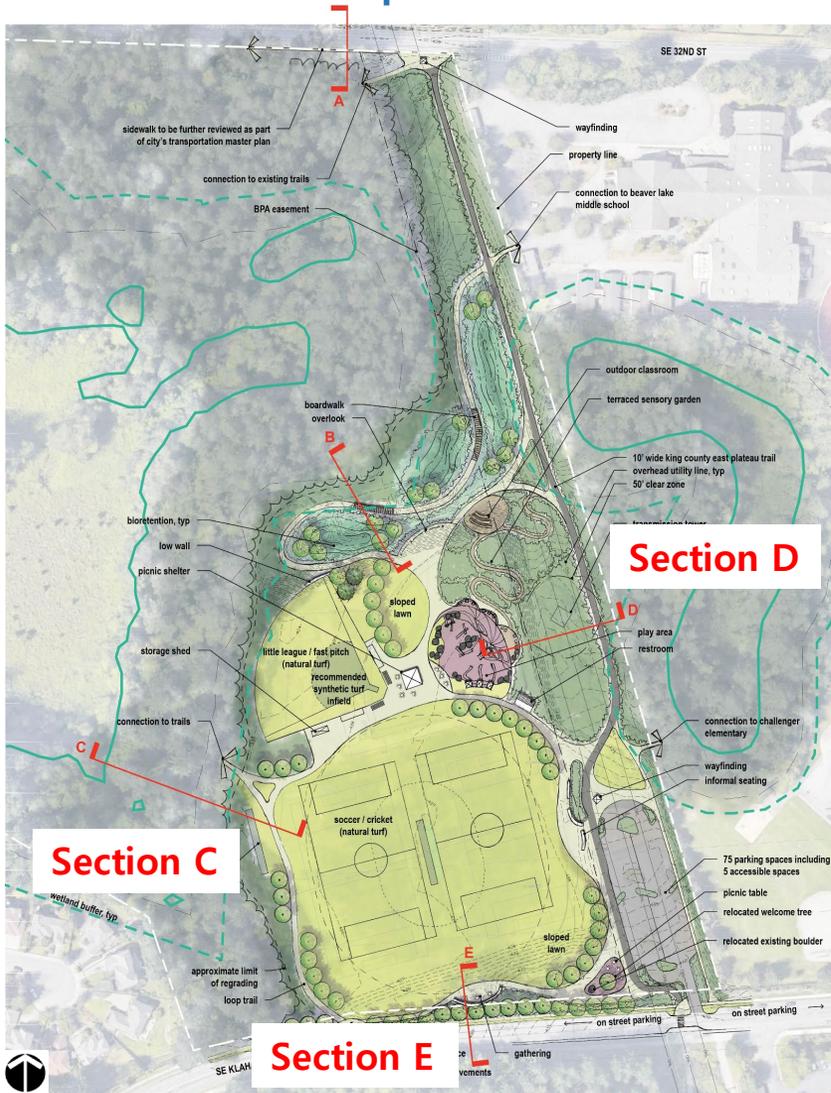
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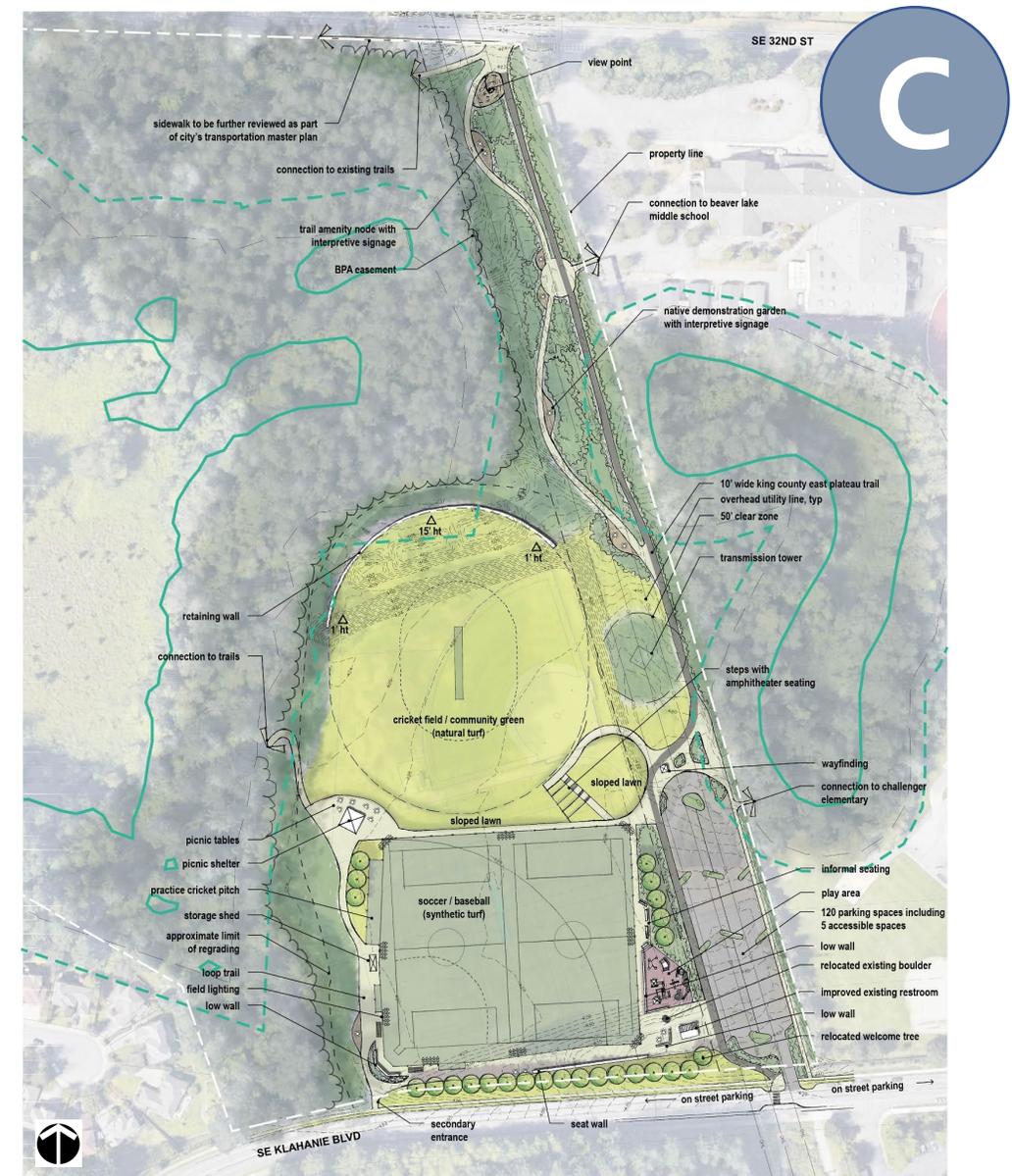


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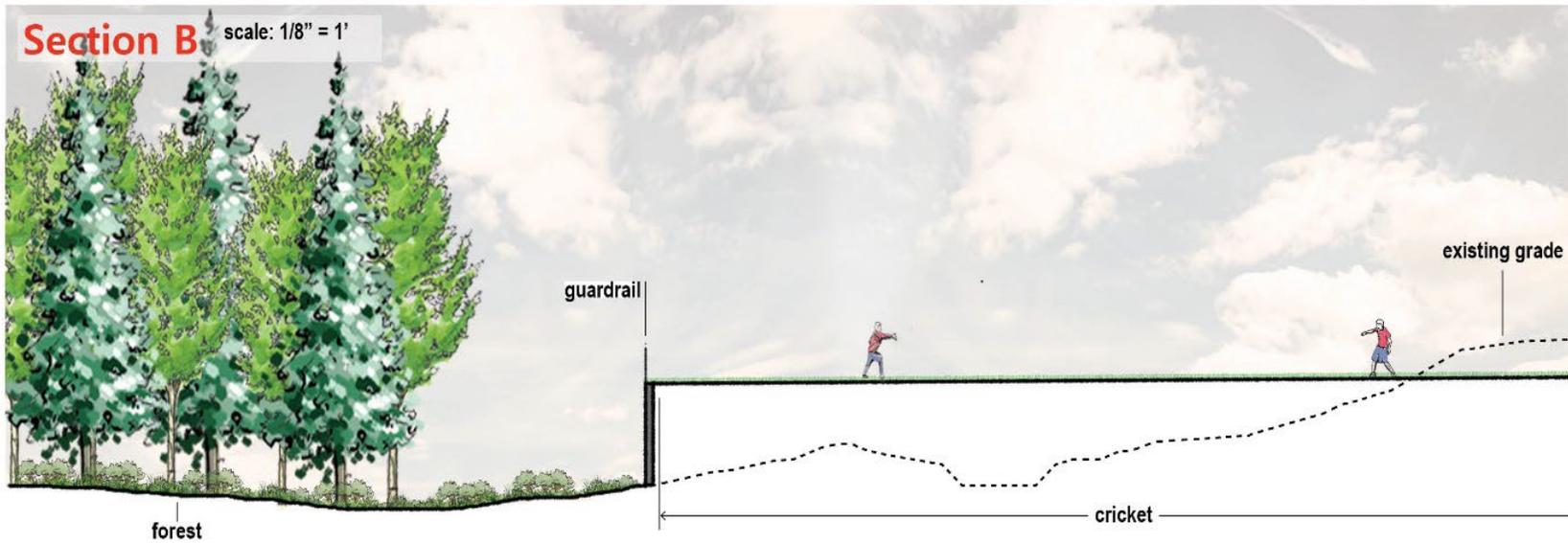
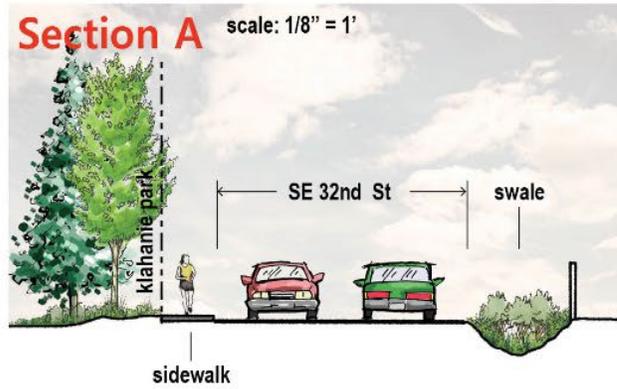
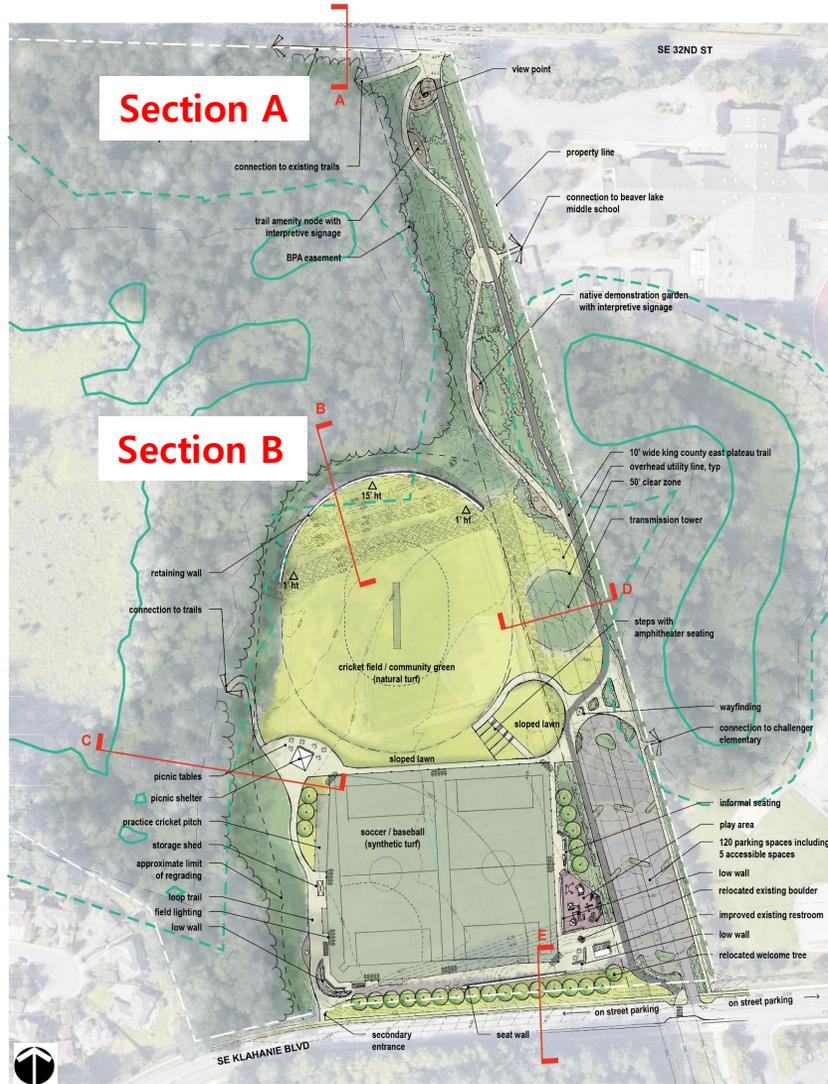
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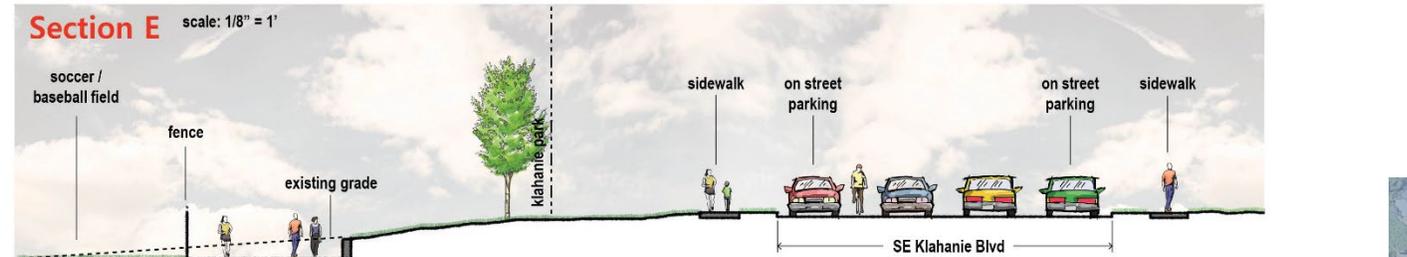
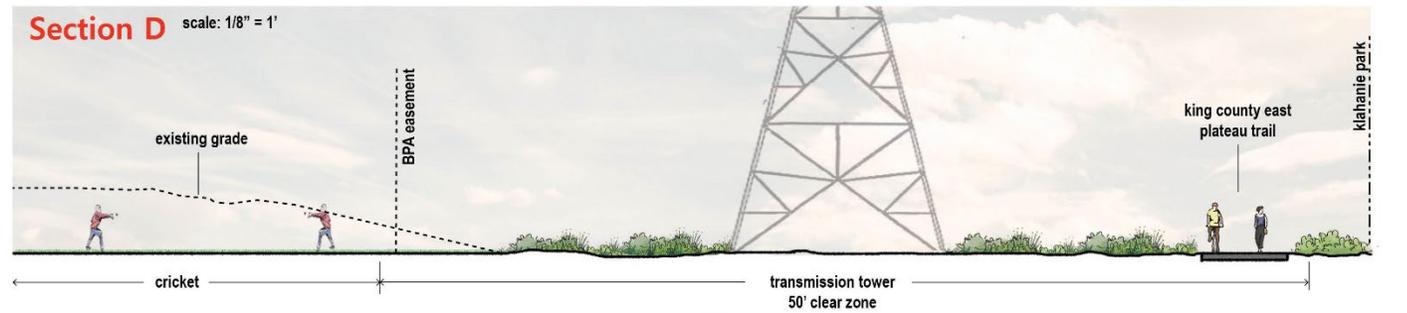
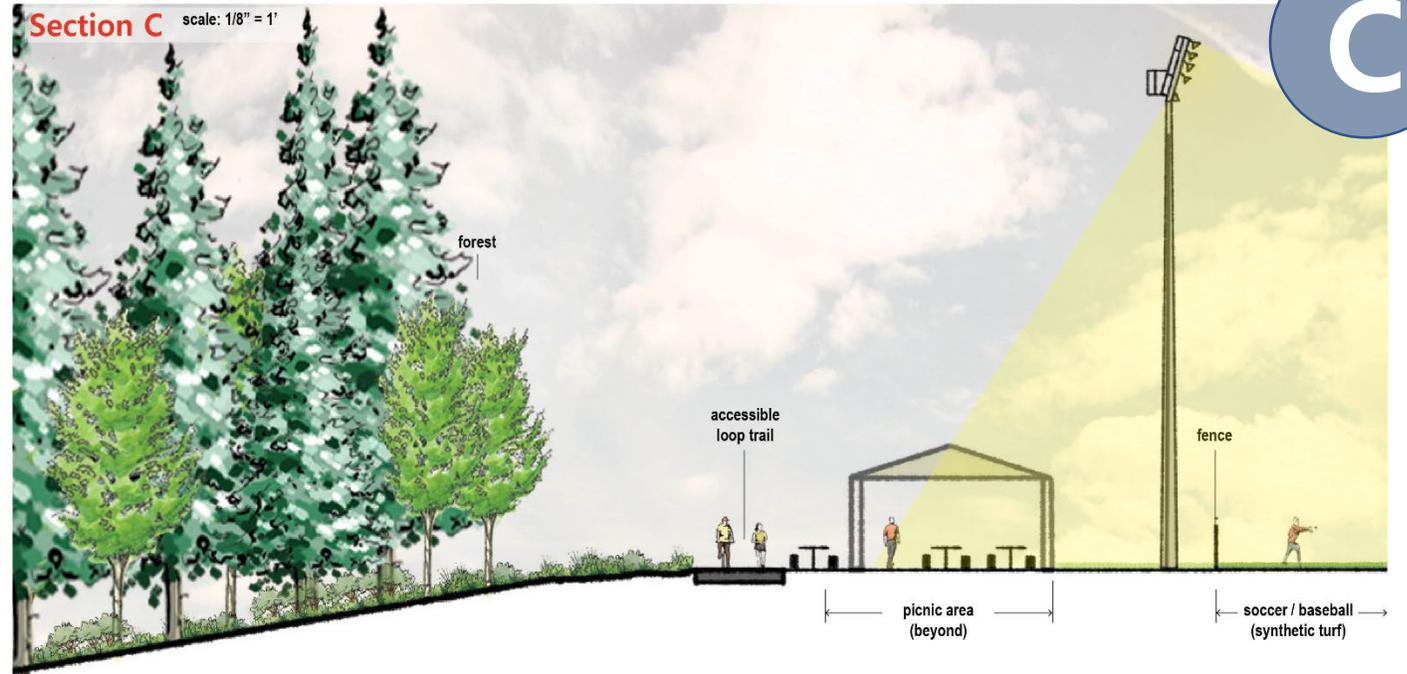
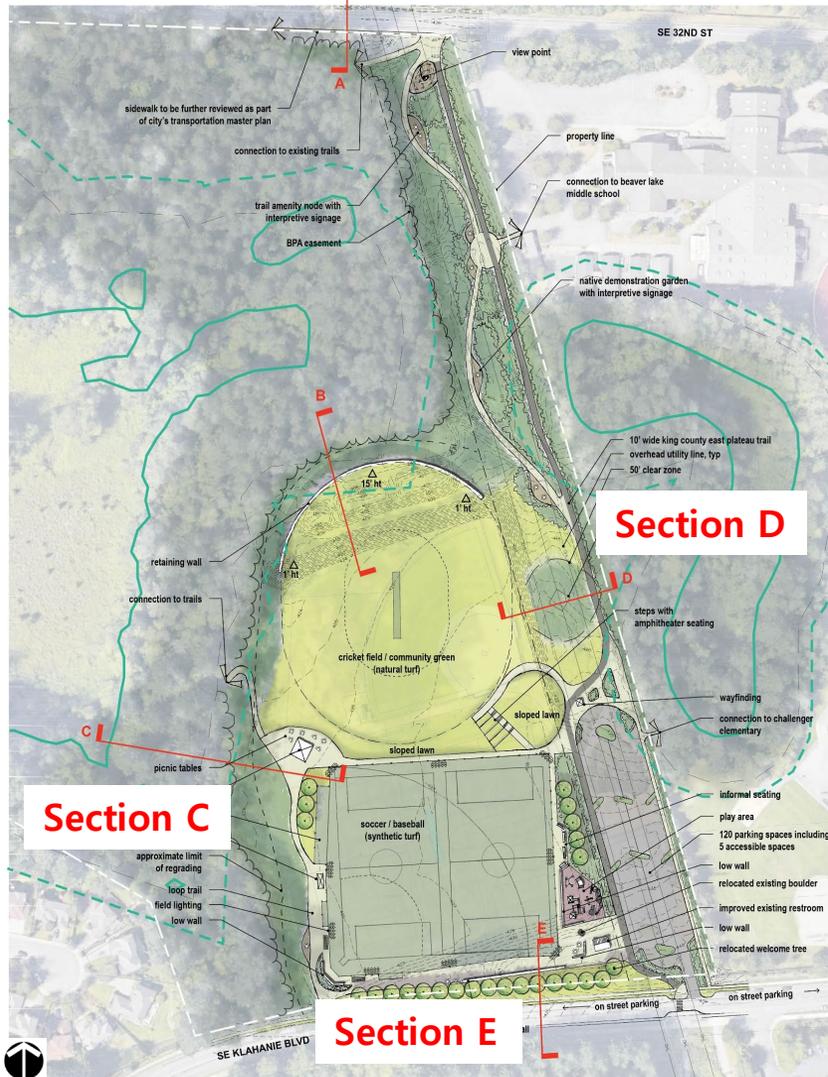
Concept Alternatives



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

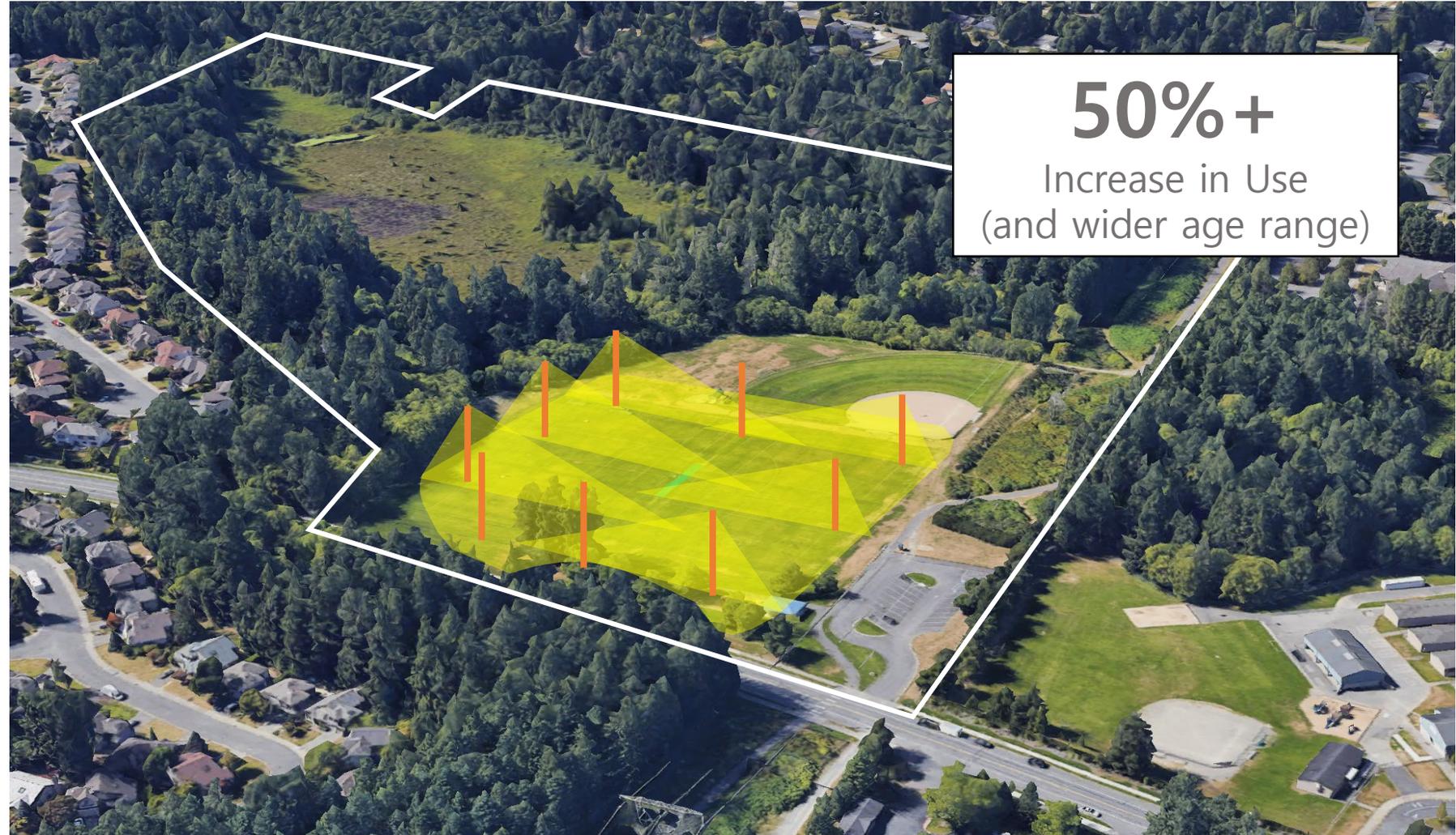
- Turf system has potential to be recycled, but costly
- Retains heat contributing to urban heat index
- Chemicals may be required to disinfect surface if needed; water wash-down optional
- Minimal water-use except occasional cleaning
- No natural bacteria to process organic deposit; additional fencing 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
- Light spill ~50' beyond
- Existing vegetation ~60' min away from a light pole
- Bog or wetland ~200' min away from a light pole



Concept Alternatives

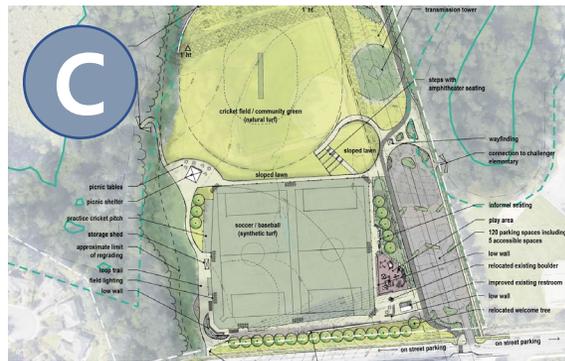
What we heard from Public Workshop #2. . .



LIKED the unprogrammed open space, the community gardens, the big rock and trees remain, loop trail, meandering easement trail with amenity nodes, natural grass
DISLIKED the fencing at the ballfield along Klahanie Blvd. that would make the entrance feel less welcoming

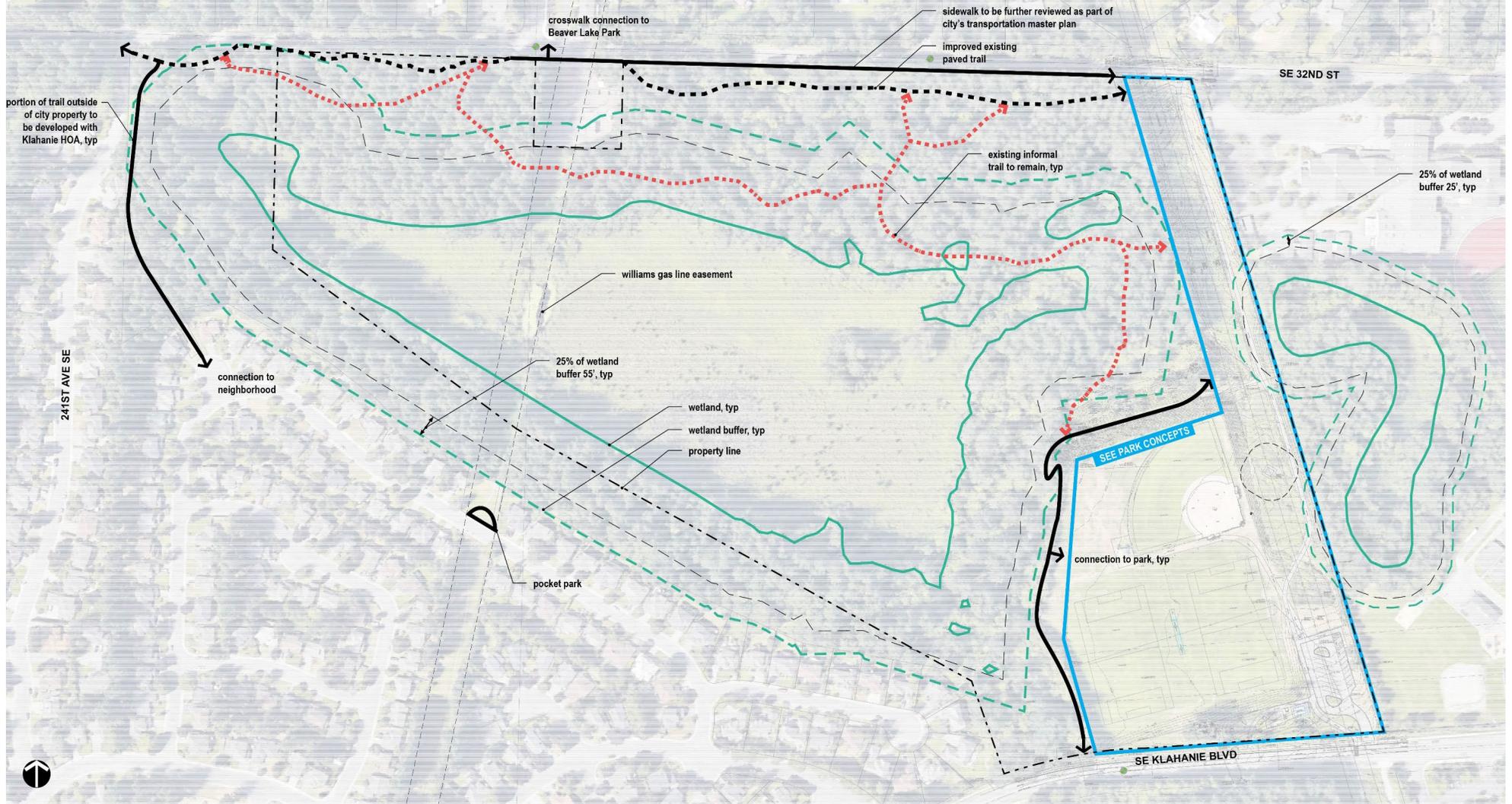


LIKED the similar efficiency of the sports fields to the existing, natural grass, natural stormwater treatment, central play area, ballfield fences out of the way
DISLIKED community open space is too small, distance of the play area to parking, expanded parking



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, expanded parking, fencing along Klahanie Blvd. makes the entrance less welcoming

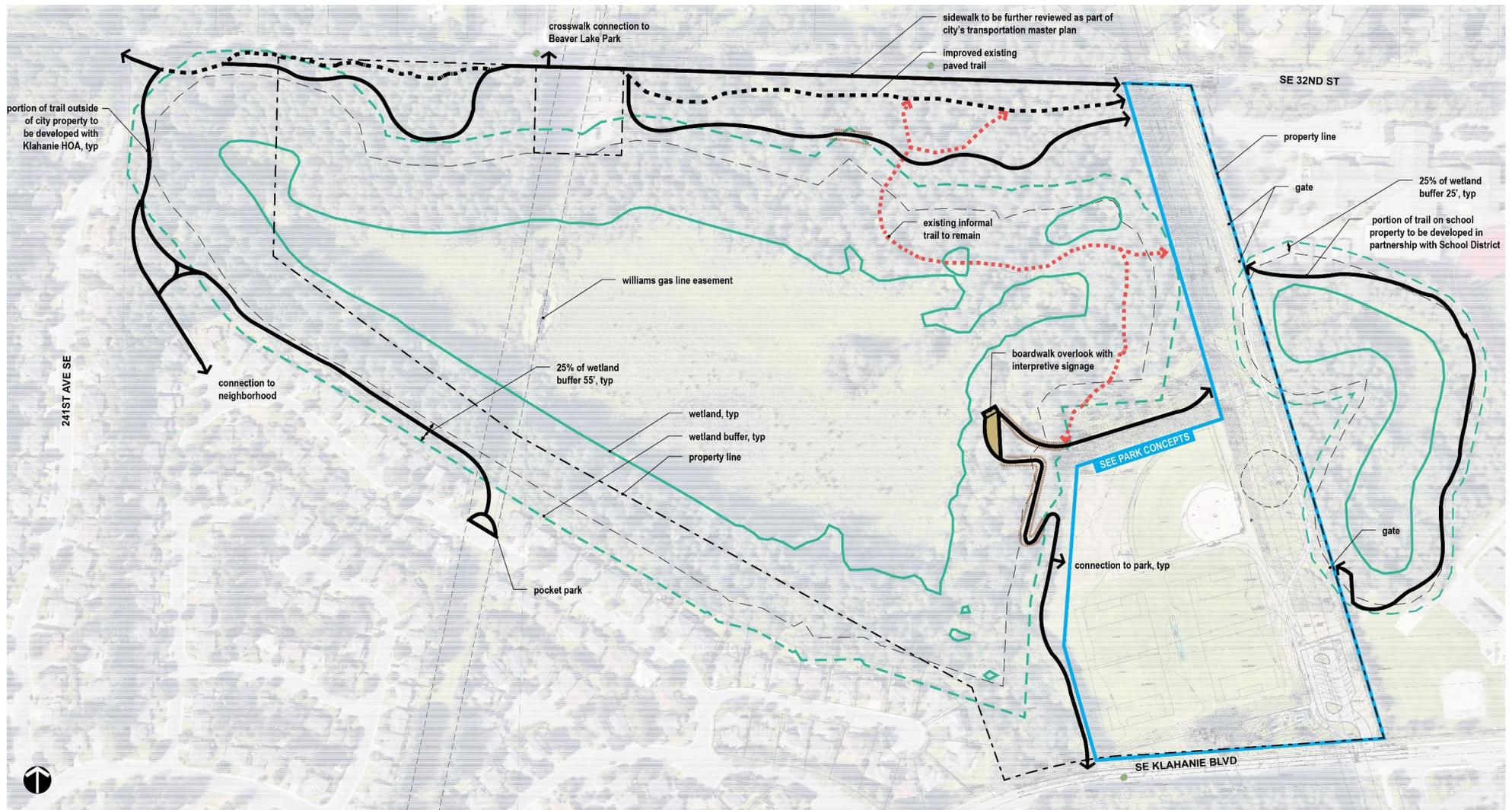
Concept Alternatives



LEGEND

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

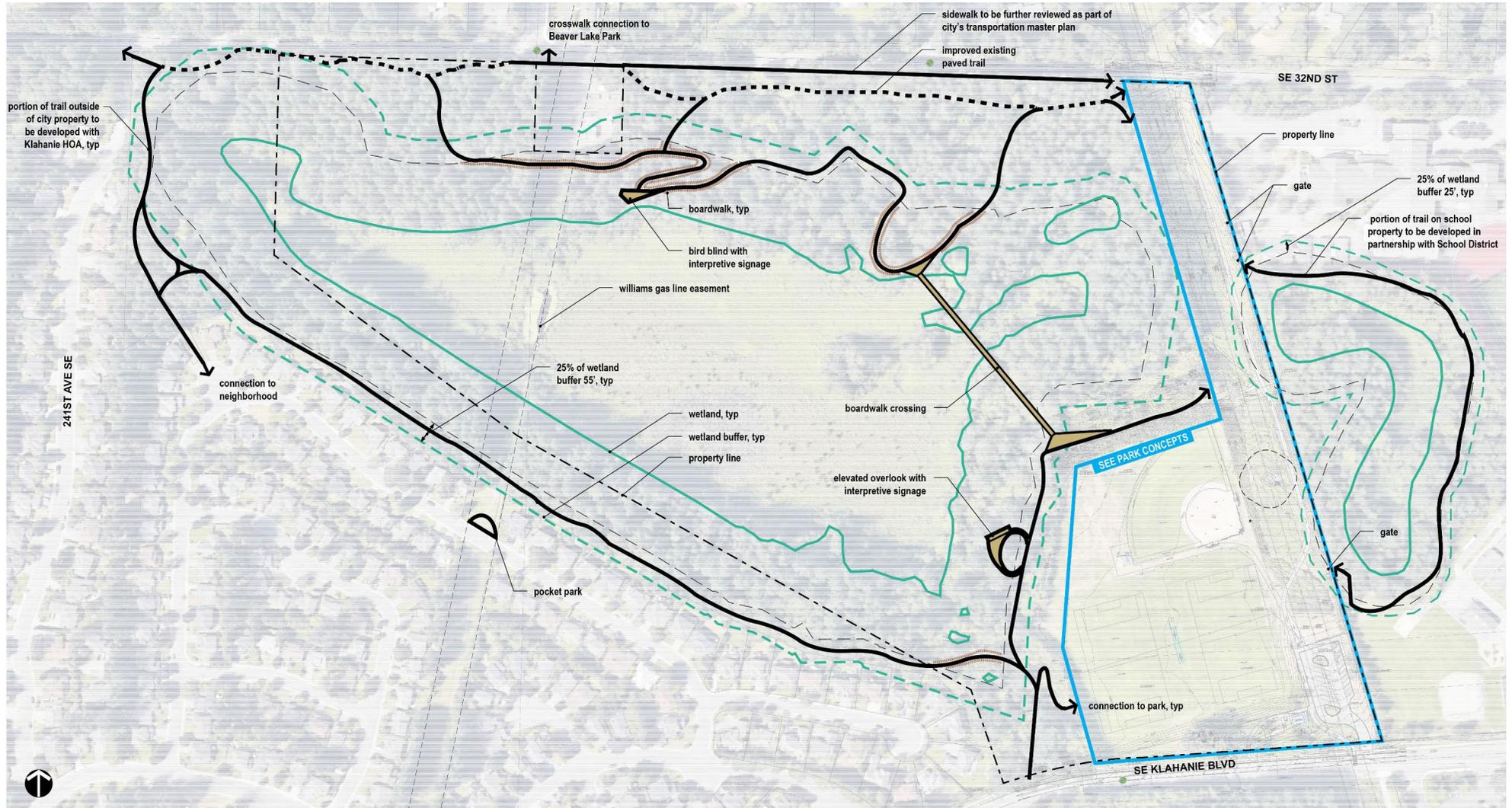
Concept Alternatives



LEGEND

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

Concept Alternatives

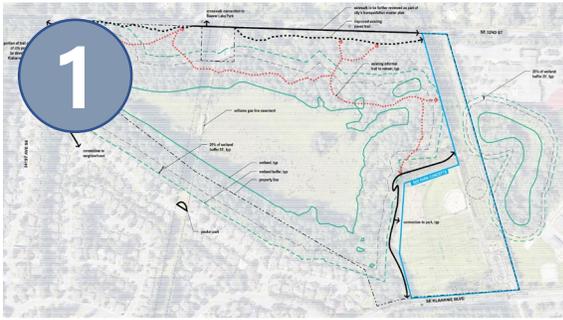


LEGEND

	park concept boundary
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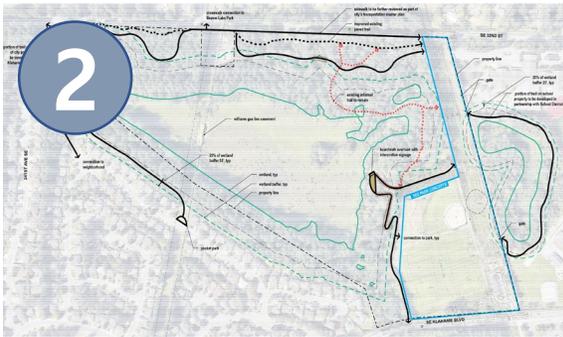
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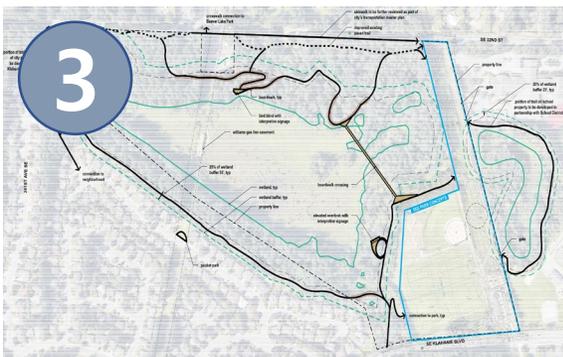
LIKED removal of trails behind homes, minimum impact to the bog

DISLIKED trail at SE 32nd street pushed to road edge, would like this to be more separated like the other trails



LIKED overlook but it needs to consider safety/security and impact on the environment, school wetland trail

DISLIKED trail behind homes



LIKED only the parts that were in previous alternatives

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



Discussion

Discussion

TOPICS

1. Athletic field layout & surfacing
2. Gathering areas & family activities
3. Parking capacity & location
4. Trail location & education areas

QUESTIONS

- What do you like / dislike about each alternative as it relates to the topic?
- 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)