



PARKS & RECREATION COMMISSION REGULAR VIDEO MEETING

Thursday, January 5, 2023 at 5:30 PM

COMMISSIONERS:

Chair Jodi McCarthy
Vice Chair Peter Struck
Commissioners: Don Cohen,
Paul Burstein, Sara Marxen,
Rory Westberg, Ashley Hay

LOCATION & CONTACT

Zoom Meeting
Phone: 206.275.7600 | www.mercerisland.gov

We strive to create an inclusive and accessible experience. Those requiring accommodation for meetings should notify the Staff Liaison's Office 3 days prior to the meeting at 206.275.7870 or by emailing ryan.daly@mercerisland.gov.

The virtual meeting will be broadcast live on Zoom and recorded and saved on the City Council's [YouTube Channel](#)

Registering to Speak: Individuals wishing to speak live during Appearances will need to register their request with the staff liaison at **206.275.7861** or [email](#) and leave a message before 4 PM on the day of the Commission meeting. Please reference "Appearances" on your correspondence and state if you would like to speak either in person at Mercer Island Community & Event Center or remotely using Zoom. Each speaker will be allowed three (3) minutes to speak.

Join by Telephone at 5:30 PM: To listen to the meeting via telephone, please call **253.215.8782** and enter Webinar ID **825 9108 6996** and Password **896196** when prompted.

Join by Internet at 5:30 PM: To watch the meeting over the internet via your computer, follow these steps:

- 1) Click [this link](#)
- 2) If the Zoom app is not installed on your computer, you will be prompted to download it.
- 3) If prompted for Webinar ID, enter **825 9108 6996** and Password **896196**

Join in person at Mercer Island Community & Event Center at 5:30 PM: Mercer Island Community & Event Center
8236 SE 24th Street.

CALL TO ORDER & ROLL CALL - 5:30 PM

PUBLIC APPEARANCES

DEPARTMENT REPORT

1. Department Report

REGULAR BUSINESS HYPERLINK "appIS80d34e03b253455db0ca10b38419e40a"

2. [Approve the minutes of the December 1, 2022 Regular Meeting](#)
Recommended Action: [Approve minutes](#)
3. [Bike Skills Area Conceptual Design Update](#)
Recommended Action: [Review and discuss the conceptual design, if desired provide additional recommendations](#)
4. [Aubrey Davis Park Trail Safety Improvement Project 30% Design Recommendation](#)
Recommended Action: [Approve the City Council Recommendation Memo as edited and authorize the chair to forward it to the City Council](#)

OTHER BUSINESS

5. [PRC 2023 Planning Schedule Update](#)
6. [Commissioner Reports](#)

ADJOURN

City of Mercer Island

Parks and Recreation Commission

Department Report

January 5, 2023





Mercer Island Community and Event Center

2023 Hours:

Monday - Thursday: ~~10am~~ 9am-7pm

Friday - Saturday: ~~10am~~ 9am-5pm

Sunday: Rentals only

**Rentals are available outside of operating hours.*

- Fully operational!
- Currently offering ongoing programs hosted by Jazzercise, Yoga Bliss, OSHER- Life Long Learning, and Friendship Circle.
- Expanding programing options in Q1 of 2023.

MICEC Fitness Room- OPEN!

*Ages 13 and over

- **Come check it out- It looks great!**
- **Several equipment upgrades:**
 - new dumbbells
 - new barbells
 - new chin-up assist machine
 - new cable crossover strength machine
- **FREE ACCESS through the month of JANUARY!**

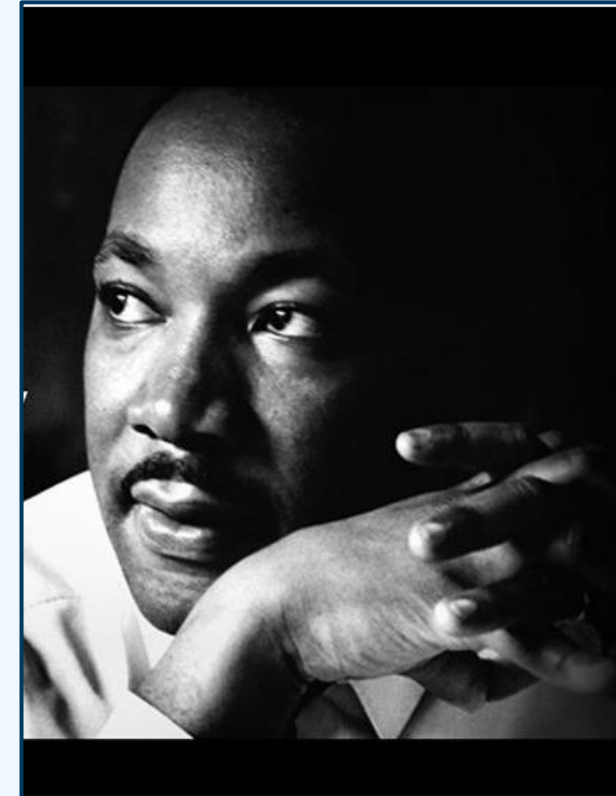
Transforming the Community Center

- In early December, the Community Center hosted a cultural event for the Oriana Ladies League.
- The group worked with the City team to completely transform the Mercer Room into a runway that had fashion, dancing, singing, and a celebration of their one-year anniversary.
- Our thanks to the staff team who patiently worked to bring the Oriana Ladies League's vision to life!



City Facilities Closed for MLK Day

- On Monday, January 16, most City Facilities (including MICEC) will be closed in observance of Rev. Martin Luther King Jr. Day.



MLK Day Volunteering Event

- Join us for a day of service on Rev. Martin Luther King, Jr. Day. Volunteers will work to restore part of the Lake Washington shoreline at Luther Burbank Park.
- The volunteer teams will be spreading mulch to improve soil health on an old trail and create ivy rings around large canopy trees that shade and protect the shoreline.
- The volunteer event is scheduled for **Saturday, January 21, 10am-1pm at Luther Burbank Park.**
- To register, visit the City event calendar www.mercerisland.gov/calendar



Parks Maintenance and Natural Resources

- Park Maintenance Team Member Jenni Gregg obtained Certified Playground Safety Inspector (CPSI)
- Urban Forestry Project Manager Andrew Prince has added the Municipal Specialist credential to his arborist certifications
- Wrapping up in December, contractors replaced over 90 stair treads, replaced handrails and other repairs in Mercerdale, North Mercerdale and Right of Way connector trails
- Storm cleanup ongoing in Parks and Open Spaces





Update: Gift Acceptance Policy

- Draft policy was endorsed by PRC at the Dec. Meeting- but not yet approved.
 - Still work to do!
- Staff is currently refining procedures to accompany this policy.
- The policy and procedures will undergo a legal review.
- Until the policy is approved by the Chief of Operations we will be operating under the current policy.

South Mercer Playfield Project Update

- The South Mercer Playfield (SMP) project is progressing!
- The multipurpose field is now complete and open for use and the parking lot has reopened as well.
- The remainder of the fields at SMP will open later this month, in addition to the restrooms, playground and batting cages.
- Field Rentals have begun, and a ribbon cutting will take place this spring.
- Our sincere thanks to everyone who made this project possible!





MIYFS Foundation 21st Annual Fundraising Breakfast

- Feb. 8, 7:30am at the MICEC
- Don't miss this opportunity to connect with neighbors, learn about MIYFS services, and help support their mission.
- To register visit: <https://breakfast.miyfs.org>



CITY OF MERCER ISLAND
YOUTH & FAMILY SERVICES



THE CITY OF MERCER ISLAND Illuminate MI Events



These events are in addition to the Holiday lights that illuminate the Town Center, Mercerdale Park & The Greta Hackett Outdoor Sculpture Gallery!

Tree Lighting & Firehouse Munch

Mercerdale Park * Station 91, 6 - 8pm



Dec. 2

Lights Up at the J

Stroom Jewish Community Center, 4pm daily

Dec. 1 - Jan. 1

Friends of MI Library Book Sale

Dickens Carolers (Dec. 12, 2pm)

Mercer Island Library

Dec. 8 - 12

Dec. 12

Girl Scouts Toy Drive

Mercerdale Park, 9am - 4pm

Dec. 10

Argosy Ship

Luther Burbank Beach, 8:40pm

Dec. 18

Chabad MI Menorah Lighting

Mercerdale Park, 6pm

Dec. 19



Hands on Hanukkah

Stroom Jewish Community Center, 4-6pm

Dec. 20



Title Sponsor:



Sponsored By:



Thank You Sponsors!

- The Mercer Apartments (Title Sponsor)
- The MI Community Fund
- Stroom Jewish Community Center (JCC)
- ArtsWA & NEA

Thank You Partners!

- Mercer Island Firefighters IAFF Local 1762
- John L. Scott
- Friends of the MI Library
- Mercer Island Girl Scouts
- Chabad Mercer Island
- Mercer Island Visual Arts League (MIVAL)
- Mercer Island Preschool Association (MIPA)



Thank you!





PARKS & RECREATION COMMISSION REGULAR MEETING MINUTES December 1, 2022

CALL TO ORDER

Chair McCarthy called the meeting to order at 5:30pm via Zoom Online meeting.

ROLL CALL

Chair Jodi McCarthy, Vice Chair Peter Struck, and Commissioners Rory Westberg, Don Cohen, Paul Burstein, Sara Marxen, and Ashley Hay were present for the Parks & Recreation Commission.

Staff present were Jason Kintner, Alaine Sommargren, Ryan Daly, Sam Harb, Sarah Bluvas, Eleanor Knight, and Raven Gillis.

APPEARANCES

1. Ryan Cudney shared input on Bike Skills Area
2. Katie Bunker shared input on Bike Skills Area
3. Karen Grove shared input on Bike Skills Area
4. Brian Shiers shared input on Bike Skills Area
5. Jay Greer shared input on Bike Skills Area
6. Nancy Highiet Morse shared input on Bike Skills Area

DEPARTMENT REPORT

1. Division Manager Ryan Daly reported on the following items:

- Mercer Island Community & Event Center – Maintenance Closure 12/19/22 – 1/2/23
- MICEC Fitness Room – OPEN!
- 2023 MICEC Operating Hours
- Aubrey Davis Trail Safety Improvement Project *Update*
- Upcoming Restoration Events
- Park Maintenance and Natural Resources
- Illuminate MI -Tree Lighting & Firehouse Munch returns December 2nd
- Thank you Sponsors! - The Mercer Apartments (Title Sponsor, the MI Community Fund, Stroum Jewish Community Center, ArtsWA & NEA

REGULAR BUSINESS

2. Approval of Minutes

Minutes from the November 3, 2022 Regular Meeting were presented.

It was moved by Westberg; seconded by Burstein to:

Approve the minutes from the November 3, 2022 meeting

Passed: 7 – 0

3. **Bike Skills Area Update & Conceptual Design**

Jason Kintner, Chief of Operations, and Alaine Sommargren, Deputy Public Works Director, and consultants presented. Commissioners reviewed the presentation, asked questions, engaged in discussion, and provided feedback.

Recess from 7:06 pm to 7:16 pm

4. **Gift Acceptance Policy**

Ryan Daly, Division Manager, and Eleanor Knight, Recreation Coordinator, facilitated discussion referencing a matrix of questions and recommendations received by staff from the Commission. Chair McCarthy led discussion and gained consensus regarding policy elements. Commissioners engaged in discussion, provided input, and consensus on policy elements.

It was moved by Westberg; seconded by Burstein to:

Endorse the Gift Acceptance Policy

Passed: 6 – 1

5. **Recreation Division: 2022 Services Update / 2023 Proposed Services**

Ryan Daly, Division Manager, provided an update.

OTHER BUSINESS

6. **2022-2023 Planning Schedule Update**

Ryan Daly, Division Manager, provided an update. Commissioner Cohen shared concern regarding the January agenda and the sizable items included, as well as the timeline for material generation.

7. **Commissioner Reports / Work Plan Update**

Councilmember Reynolds recognized the PRC for their thoughtful work and extended his appreciation to everyone for their service to the city.

Chair McCarthy reminded everyone about the Tree Lighting and Firehouse Munch tomorrow night.

ADJOURNMENT at 8:49 PM



PARKS & RECREATION COMMISSION STAFF REPORT

Item 3
January 5, 2023
Regular Business

AGENDA ITEM INFORMATION

TITLE:	Bike Skills Area: Conceptual Design Update	<input checked="" type="checkbox"/> Discussion Only <input type="checkbox"/> Action Needed: <input type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution
RECOMMENDED ACTION:	Review and discuss Bike Skills Area project update and conceptual design.	

STAFF:	Jason Kintner (Chief of Operations) Alaine Sommargren (Deputy Public Works Director) Sarah Bluvus (CIP Project Manager)
COUNCIL LIAISON:	Craig Reynolds
EXHIBITS:	1. Conceptual Design Second Draft

SUMMARY

BACKGROUND

On December 1, 2022, the Parks & Recreation Commission (PRC) received the first draft of the conceptual design for a new Bike Skills Area (BSA) at Deane’s Children’s Park ([Video Recording](#) | [Agenda Packet](#)). American Ramp Company (ARC) created the concept design on site evaluations, staff input, and community feedback collected via a community survey (173 responses) and a community meeting held in November 2022. Survey respondents and meeting participants felt a new BSA would be an exciting new addition to the park and the Island; fun for all ages and skills levels; and a good activity for improving kids’ mental and physical health. They also expressed concerns about safety and conflict between park users; potential environmental impacts; and strains on parking and access.

The first design draft included beginner features such as a bicycle playground suitable for ages 2-12; two trail options leading to the start hub; two separate courses including a variety of jumps and other features; two dedicated facility access points; and other elements designed to work for riders of all ages. ARC also provided signage examples, such as entrance signage that would illustrate the entire course and trail signage that would alert users to upcoming course features. During the discussion of the conceptual design, the PRC provided feedback on facility access, design features, trees & vegetation, user separation, and the community engagement process. Six community members also provided public comment on the conceptual design during Public Appearances.

FEEDBACK ON CONCEPTUAL DESIGN FIRST DRAFT

Commissioner comments on the draft conceptual design primarily fell into the following categories:

- **Balanced design:** Commissioners felt that the first draft of the conceptual design balances the constraints and complexities of the geographic area.
- **Park user conflict and trail congestion:** Commissioners were concerned that the conceptual design did not separate potential BSA riders and other park users enough. Requests included considering

alternative facility access, such as adding an entrance on the west side of the park and designing a physical barrier, as opposed to natural buffers, to separate BSA users from park users coming from Island Crest Elementary School.

- **Rider safety:** In addition to elaborating on how the design will limit user conflicts, Commissioners requested more details about how the design will promote rider safety. Suggestions included reconfiguring the beginner and intermediate trails to better separate them from the proposed bicycle playground.
- **Impacts on trees and vegetation:** Commissioners continued to emphasize the importance of limiting tree removal and other impacts to the natural landscape of the park area.
- **Materials used to build jumps and other features:** Commissioners appreciated the use of wood features to match the natural landscape and minimize long-term maintenance needs. However, they wondered whether wood materials would hold up year-round in Pacific Northwest weather and if riding the features would create additional noise in the area.
- **Community input:** Commissioners wanted to continue hearing from the Island’s biking community and encouraged broader engagement with neighbors of Island Crest Park/Deane’s Children’s Park and the general community. Requests included sending postcard mailers to park neighbors to boost awareness of upcoming engagement opportunities.
- **Types of users:** Commissioners were interested in opportunities for adding an advanced course or other features to accommodate more experienced riders.

Since the December PRC meeting, a second community survey was conducted to collect feedback on the draft conceptual design. The survey was open on Let’s Talk from December 9-31, 2022, and promoted through the following channels:

- E-mail announcement and follow-up to Let’s Talk subscribers (81 subscribers)
- E-mail announcement and follow-up to project contact list (158 contacts)
- Article in MI Weekly newsletter (featured December 14 and 21)
- Mercer Island School District social media post and e-mail (shared December 15)
- Postcard mailer to park neighbors within a 500ft radius (287 individual addresses)
- Posts on City and Parks & Recreation social media channels

The survey received 192 responses (as of December 29). Respondents gave the conceptual design an average ranking of 6.15 on a scale of 1 to 10 (1=do not like; 10=my dream bike park). When asked what the design was missing or what else they’d like to see in the design, respondents requested:

- More jumps, including advanced jumps
- More dirt jumps
- Adding a pump track
- Adding fencing around the bike park
- Adding a separate entrance to the bike park

Survey respondents also frequently commented on the location of the BSA at Deane’s Children’s Park and the potential impact of the facility on the existing walking trails.

UPDATED CONCEPTUAL DESIGN + NEXT STEPS

ARC incorporated all this feedback into the second draft of the conceptual design (Exhibit 1), which the PRC will discuss and provide input on during its regular meeting on January 5, 2023. Modifications to the conceptual design include the inclusion of a separate entrance to the park, added fencing around the bike park, and other design improvements based on feedback received.

Following the PRC meeting, staff and ARC will further refine the design concept to present at the next community meeting coming up on January 24, 2023, at 6pm, via Zoom. "Save the Date" information about that meeting has been posted on the City calendar and Let's Talk, and more details will be shared with the community by January 10, 2023. Staff anticipate presenting a final draft design to the PRC at its February 2023 regular meeting.

RECOMMENDATION

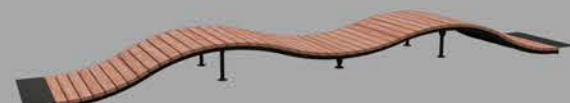
Review and discuss the updated conceptual design; if desired, provide additional recommendations.



VICINITY MAP
NO SCALE



90 DEG. TURN 1



NESSY 2 BUMP 2



180 DEG. TURN 3



ZIG ZAG SHORT 5



ROLLER CORNER 45 DEG.

6



A-FRAME 7



ROLLABLE SENDER 8 9 10



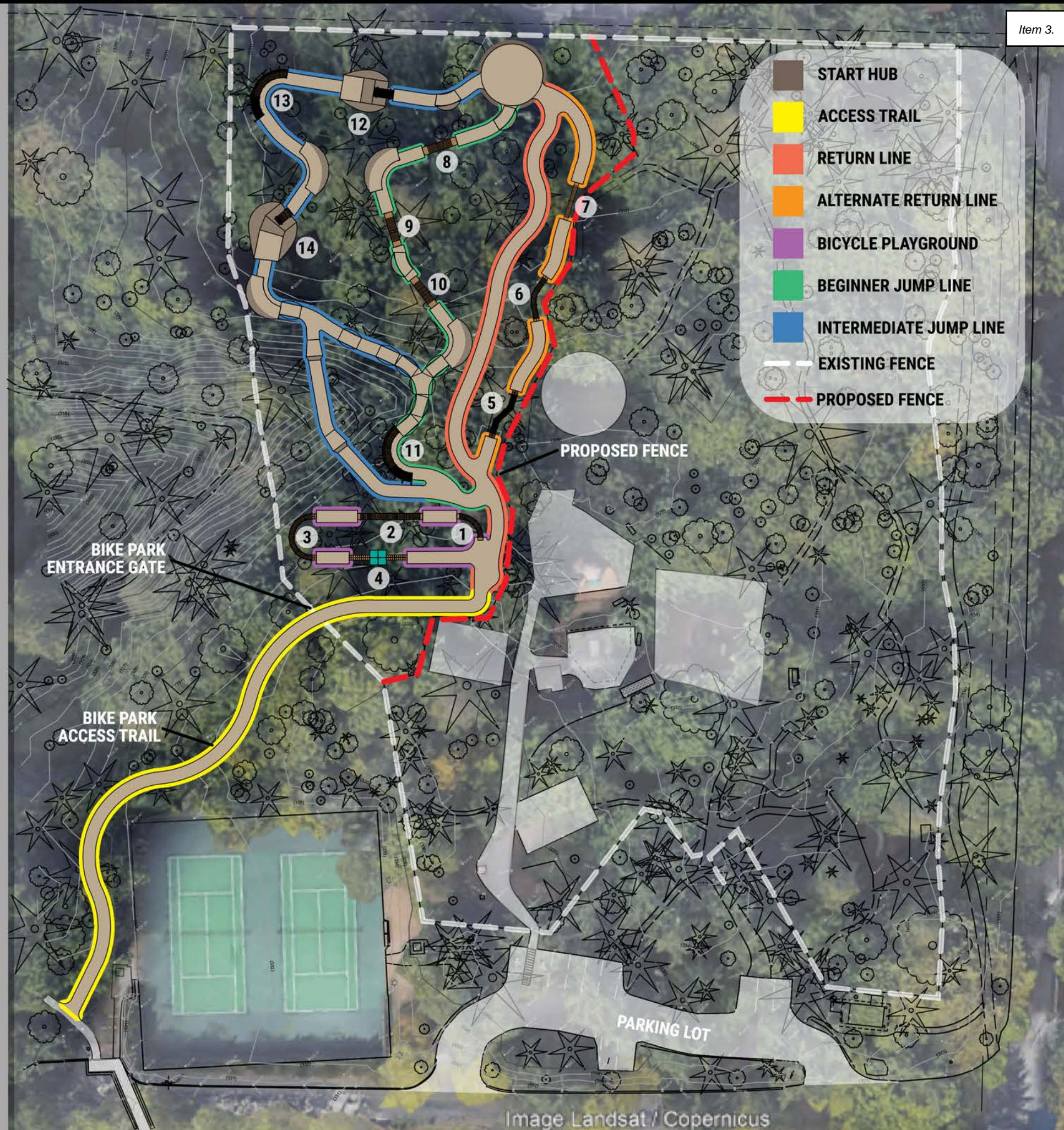
TABLE TOP JUMPS



ELEVATED TUNNEL



11 13



- START HUB
- ACCESS TRAIL
- RETURN LINE
- ALTERNATE RETURN LINE
- BICYCLE PLAYGROUND
- BEGINNER JUMP LINE
- INTERMEDIATE JUMP LINE
- EXISTING FENCE
- PROPOSED FENCE

BIKE PARK ENTRANCE GATE

BIKE PARK ACCESS TRAIL

PROPOSED FENCE

PARKING LOT

Image Landsat / Copernicus



Bike Skills Area Update and Conceptual Design

Parks & Recreation Commission | January 5, 2023

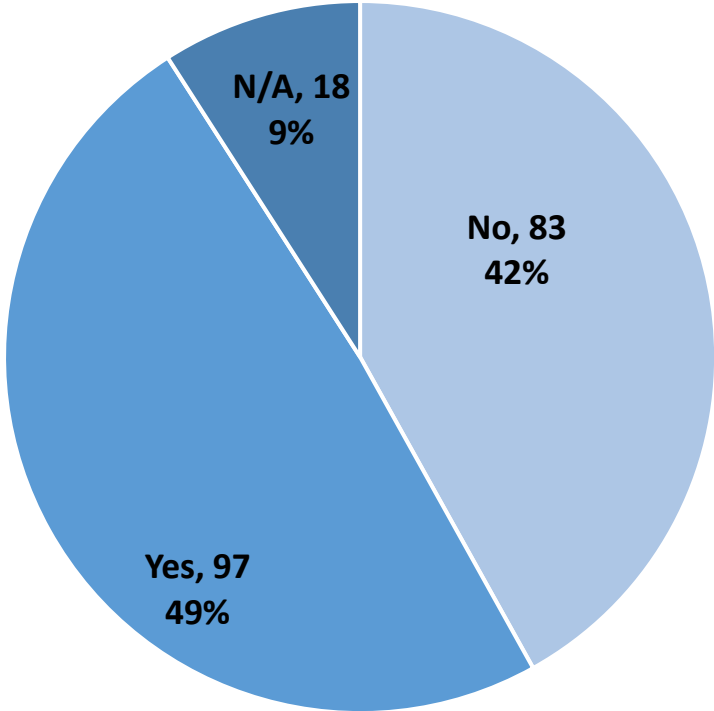
SURVEY RESPONSES

637
VISITORS

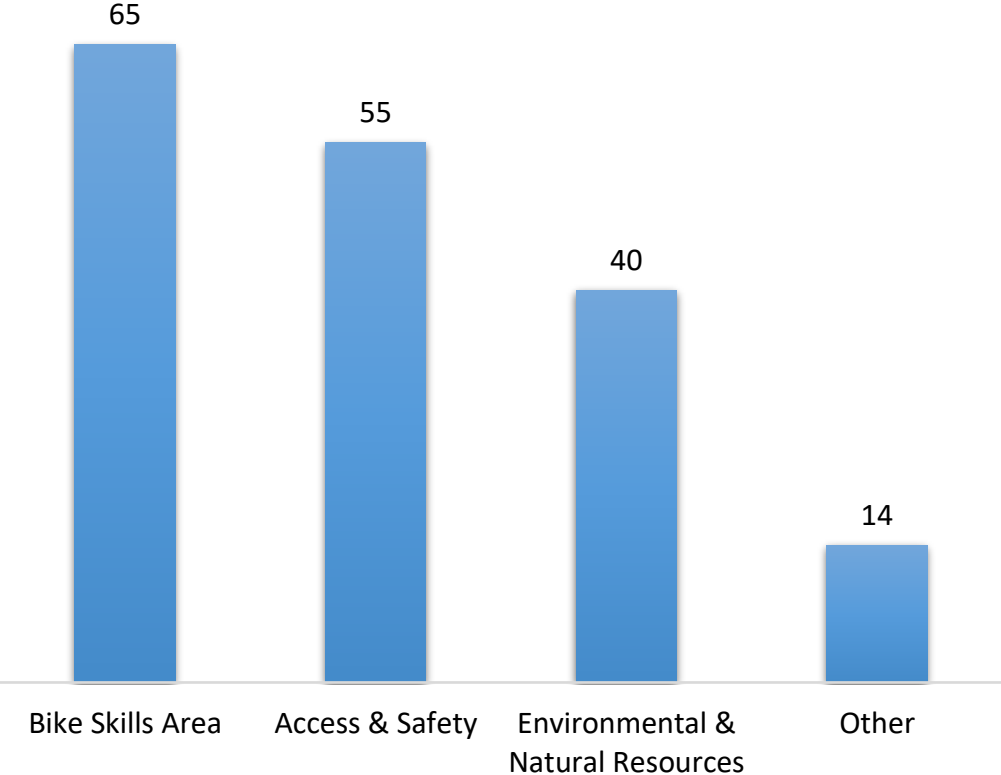
199
RESPONSES

6.14
AVERAGE RANK
SCALE 1 - 10

ATTEND BREAKOUT SESSION



BREAKOUT SESSION TOPIC



RECURRING THEMES


- More jumps including advanced jumps
- More dirt features
- Impact to existing walking trails
- Fence around bike park
- Separate entrance to bike park
- Pumptrack addition
- Location on Island

NEW BIKE SKILLS AREA

AT DEANE'S CHILDREN'S PARK






Scan the QR code to learn more:



Share your feedback!

Get Involved!

Learn more and participate in the process:
<https://letstalk.mercergov.org/bike-skills-area-design>

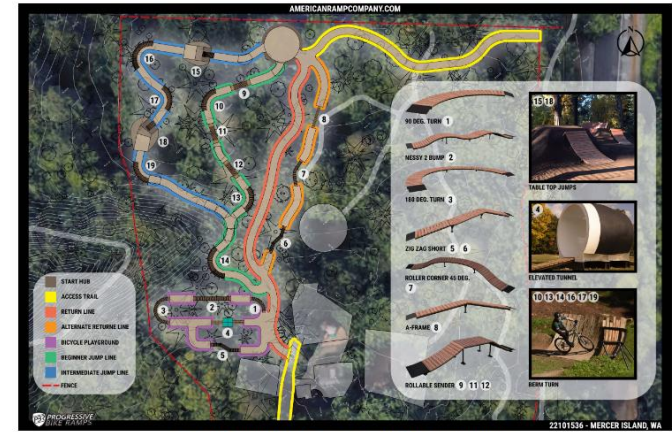




Posters

Community Survey #2 - BSA Conceptual Design

Welcome to the Bike Skills Area (BSA) conceptual design survey! American Ramp Company is working with the City of Mercer Island to design and develop a new BSA for your community. The goal of this survey is to gain feedback on the proposed design.

The proposed design shown here is based on the recommendations received from the community through the initial public engagement process that included an online survey and an "open house" style public meeting. This brief survey is the next step in the process for receiving your valuable opinions on the BSA design. Please familiarize yourself with the concept and then offer your feedback in the survey. This form will be active until December 31st. Please limit your submissions to one form per person.



Click on the image for a full-screen version of the conceptual design.

Let's Talk

Item 3.

A new bike skills area is being considered for Deane's Children's and we need to hear from the park neighbors.

30% Conceptual Design, the latest survey, schedule, and project background are available online at <https://letstalk.mercergov.org/bike-skills-area-design>

Let's Talk Mercer Island
<https://letstalk.mercergov.org/bike-skills-area-design>

Direct QR code link to the survey:



206.275.7600 | www.mercerisland.gov

JOIN US

in the design of the new

Bike Skills Area

at

Deane's Children's Park

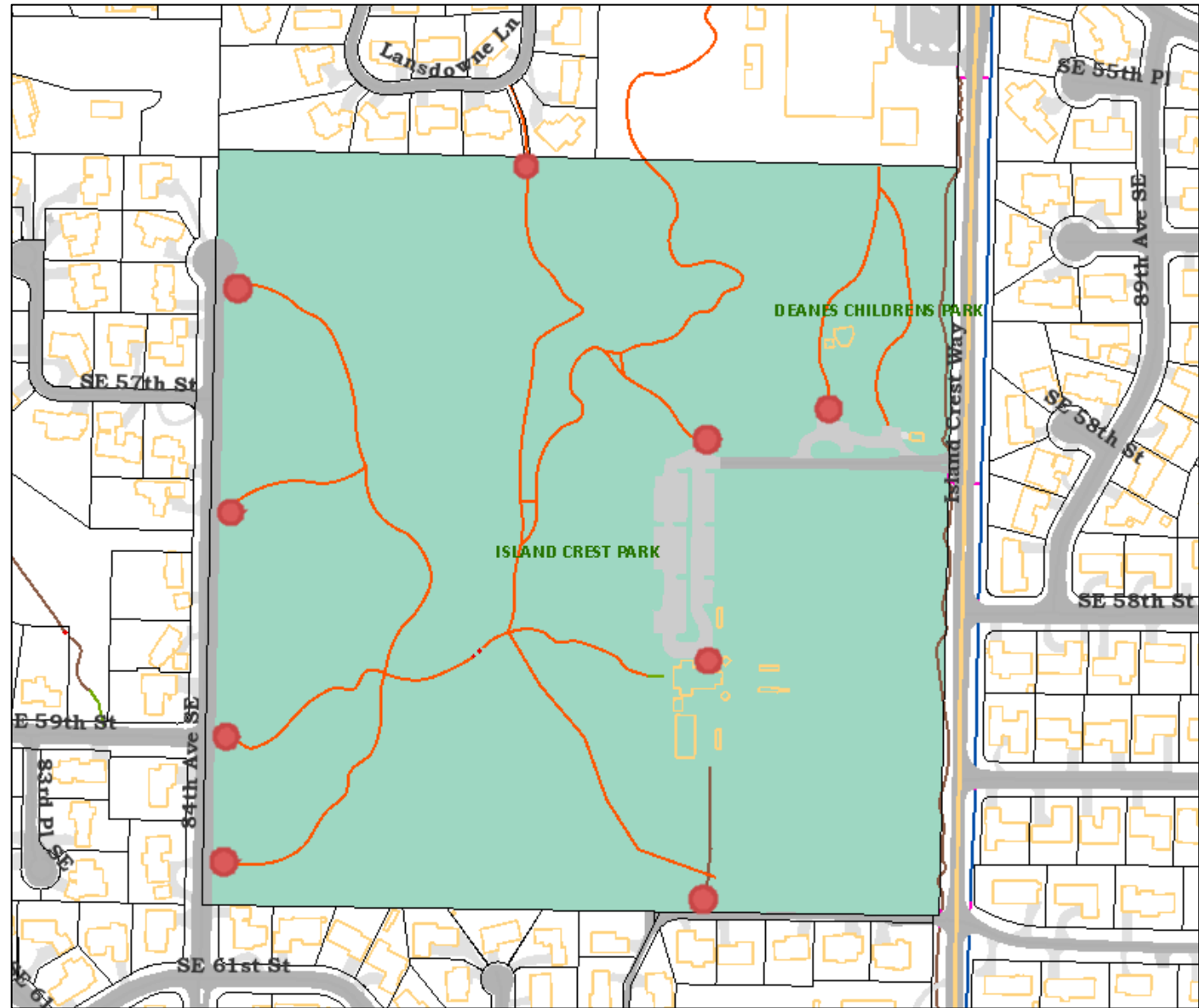
5500 Island Crest Way




206.275.7600
 MERCER ISLAND WA 98040-4619

Mailers

Poster locations





VICINITY MAP
NO SCALE



90 DEG. TURN 1



NESSY 2 BUMP 2



180 DEG. TURN 3



ZIG ZAG SHORT 5



ROLLER CORNER 45 DEG.

6



A-FRAME 7



ROLLABLE SENDER 8 9 10



TABLE TOP JUMPS



ELEVATED TUNNEL



11 13

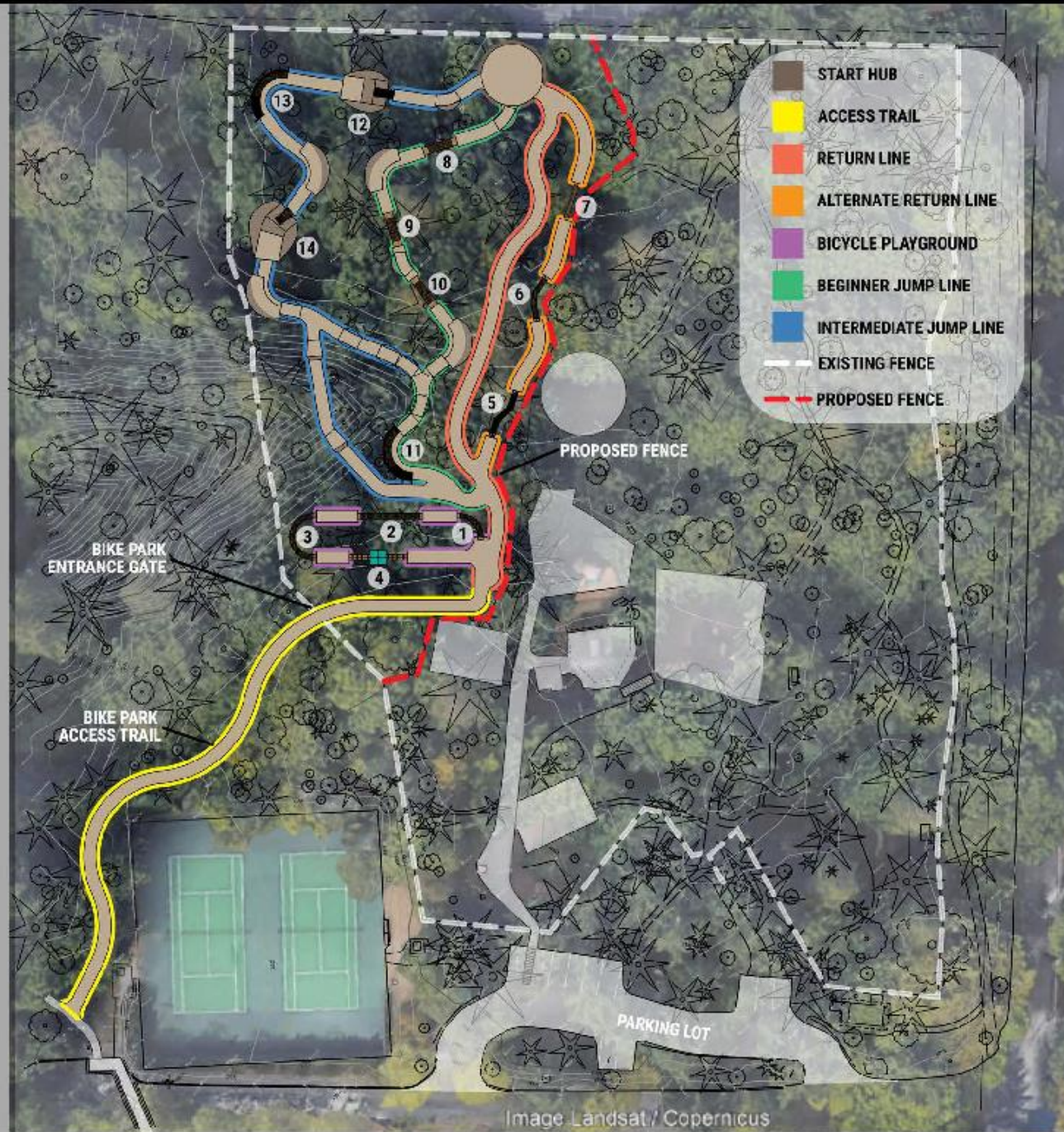


Image Landsat/ Copernicus

22101536 - MERCER ISLAND, WA

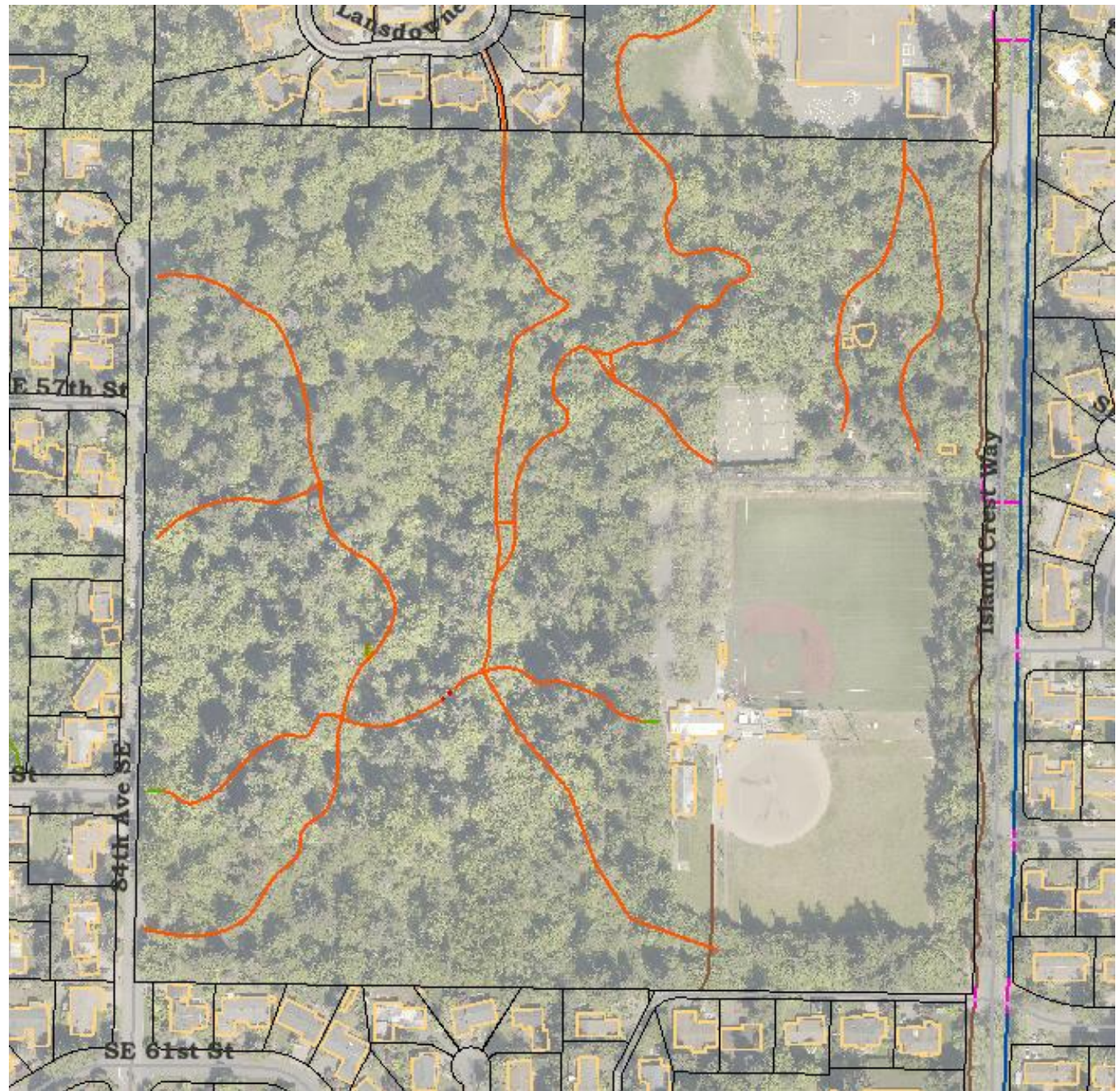
NEXT STEPS

- **January 24th** at 6:00pm Community Engagement Meeting (Breakout Sessions)
- Revised concept design (utilizing community feedback) to be completed by January 30th
- Return to PRC with updated design and general feedback in February
- 30% design anticipated in early February

Questions and Feedback

- Comments/feedback regarding the survey results
- Comments/feedback for the updated design
- Suggestions for the January 24th Community Meeting (i.e. breakout session topics or other elements to cover)

Island Crest Park Trail System



Item 3.



PARKS & RECREATION COMMISSION STAFF REPORT

Item 4
January 5, 2023
Regular Business

AGENDA ITEM INFORMATION

TITLE:	Aubrey Davis Park Trail Safety Improvement Project 30% Design Recommendation	<input type="checkbox"/> Discussion Only
RECOMMENDED ACTION:	Approve recommendation memo to City Council and authorize the Chair to transmit it to City Council	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

STAFF:	Paul West, CIP Project Manager
COUNCIL LIAISON:	Craig Reynolds
EXHIBITS:	<ol style="list-style-type: none"> 1. Roundabout Option 1 diagram 2. Roundabout Option 2 diagram 3. WSDOT memo on Two Roundabout Alternatives 4. Aubrey Davis Trails Safety Improvements 30% Plans 5. City Council Recommendation Memorandum (edited)

SUMMARY

BACKGROUND

At its [September 1, 2022](#) meeting, the Parks and Recreation Commission (PRC) focused on its goal to send a 30% design recommendation to City Council. The PRC’s discussion led to several outcomes:

- The PRC’s proposed recommendation evolved from recommending a specific 30% design to recommending that the 30% design proceed to 60% design, with PRC review at the conclusion of that design phase.
- Outstanding design issues were enumerated for additional review in the 60% design phase.
- The revision of the draft recommendation memo was turned over to a subcommittee for drafting.

The PRC was scheduled to review the revised memo at the October 6, 2022 meeting. A few days before the meeting, the City received review comments from WSDOT staff that were substantially different than comments previously received, particularly in regard to the roundabout feature. Staff recommended to the PRC chair that the agenda item be tabled until these comments could be addressed.

Since October, the City and the design team have met with WSDOT representatives on two occasions. The first meeting explored the new comments and WSDOT’s implications for the roundabout. The design team took the input from the conversation and developed two options. Option 1 (see Exhibit 1) represented WSDOT’s suggestions for a roundabout that allowed for more space for the variety of trail users and treated the center island as a ramped feature. Option 2 (see Exhibit 2) was an adaptation of the design team’s previous product that incorporated WSDOT’s earlier review comments.

WSDOT has reviewed both options and met with the design team to discuss both options. Following the meeting, WSDOT stated its preference for Option 1 in a memo (Exhibit 3).

INCORPORATION OF WSDOT’S RECOMMENDATION

The Mountains to Sound Greenway (I-90) Trail in Aubrey Davis Park is owned by WSDOT. The City’s contractual responsibilities to WSDOT are limited to maintenance of the trail as part of the park landscape. WSDOT has agreed to collaborate on this project, but it reserves review and approval authority for any changes to the trail facility.

Staff recommends inclusion of Option 1 in the 30% design (Exhibit 4). The 14-foot circulating trail width allows for “mixing” of users within the area, including those moving in counter-rotation. The larger, raised center island controls speeds in the roundabout. The contrasting surfacing, while traversable, will be visually and texturally distinct from the trail. The roundabout will also provide recommended sight distances for approaching trail users.

Given previous concerns commissioners have raised about adding paving in the park, the design team prepared this comparison of the two options:

	Size of Paved Area	Percentage Increase From Existing	Percentage Difference from Option 2
Option 1: 44’ Roundabout	2669 square feet	+34%	+23%
Option 2: 34’ Roundabout	2169 square feet	+16%	0

The design team will be asked to consider where pavement area can be reduced elsewhere in the park to offset this increase.

MODIFYING THE PRC’S RECOMMENDATION MEMO TO CITY COUNCIL

Staff support PRC’s recommendation memo (Exhibit 5). The level of community interest in this project warrants additional stewardship by the PRC. However, the inclusion of Option 1 in the 30% design addresses some of the design issues the memo recommends for further consideration in 60% design. In effect, the roundabout design has already progressed toward the 60% product. Staff recommends striking one sentence as shown in Exhibit 5.

Staff also suggest that the PRC modify the project priority to “stay within the available budget.” Staff has proposed edits to this section in Exhibit 5. The PRC has made repeated efforts to keep the construction costs within the estimated available budget of \$350,000, however, the current direction of the design process has incurred, and will continue to incur, additional design costs for the following reasons:

- A nine-month extension to consultant contract (Design was budgeted to end in 2022.)
- Additional topographic survey for the roundabout design (The roundabout now occupies a larger area than was initially anticipated.)
- Additional WSDOT reviews and required “Basis of Design” documentation
- Additional PRC review and revisions in the 30% design stage
- Anticipated PRC and City Council review at the 60% stage
- Added scope for roundabout illumination design (\$18k, if needed)

Services not expected to be needed for structural engineering, geotechnical evaluation, and environmental assessments have been deducted from the consultant's scope of work. Taken together, these additional services are estimated to increase design costs by \$49,000.

It is anticipated that additional construction costs will be needed for the larger roundabout as well as illumination (if included) and a budget appropriation will be needed to offset the anticipated project shortfall. Staff will also investigate external funding opportunities to close the shortfall in the project budget, and will seek a Council appropriation from the Capital Improvement Fund as part of the construction contract award (anticipated in fall of 2023).

NEXT STEPS

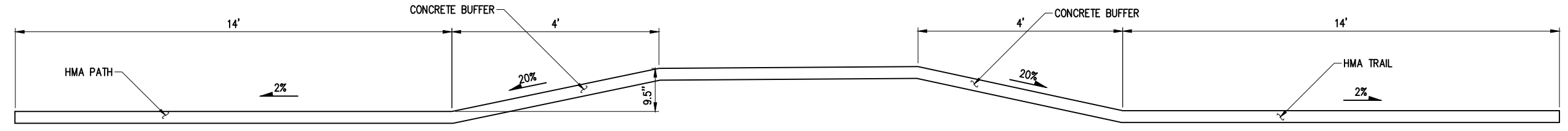
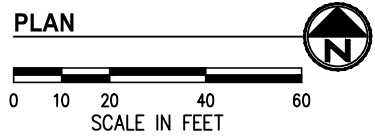
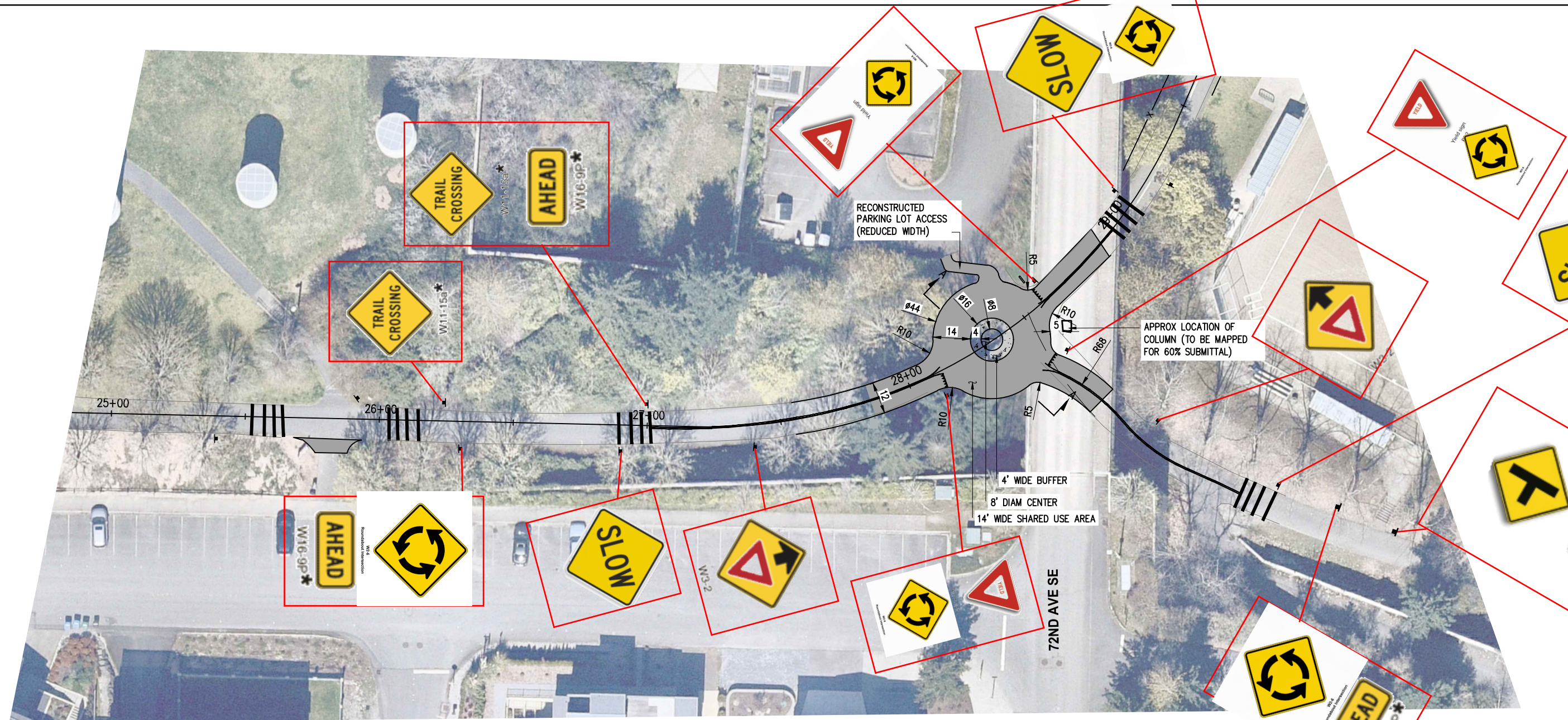
Staff recommend that the PRC's transmittal memo be approved as edited or referred to the appointed subcommittee for finalization. Once the memo is approved by PRC, City staff will work with the chair to transmit the memo to the City Council. Staff then will work with the Design Team to develop the 60% design and return to the PRC in Q2 2023 for 60% design review. The project was originally scheduled to construct in the spring of 2023; however, that is now expected to begin in the fall 2023.

RECOMMENDED ACTION

Approve the City Council Recommendation Memo as edited and authorize the chair to forward it to the City Council;

ALTERNATE ACTION

Authorize the memo subcommittee to finalize the recommendation memo and return it for PRC approval at the February 2023 PRC meeting.



SECTION A-A

ECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\X21098PRP.dwg 11/1/2022 10:23 PM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		X21098PRP.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

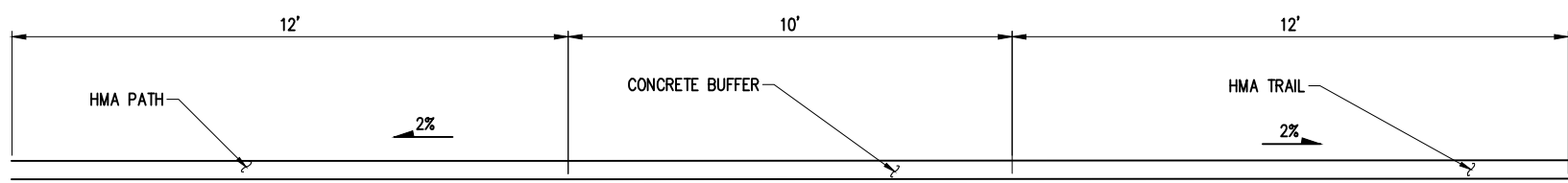
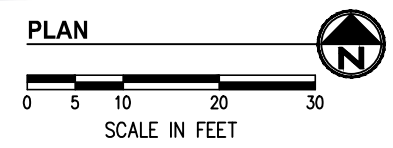
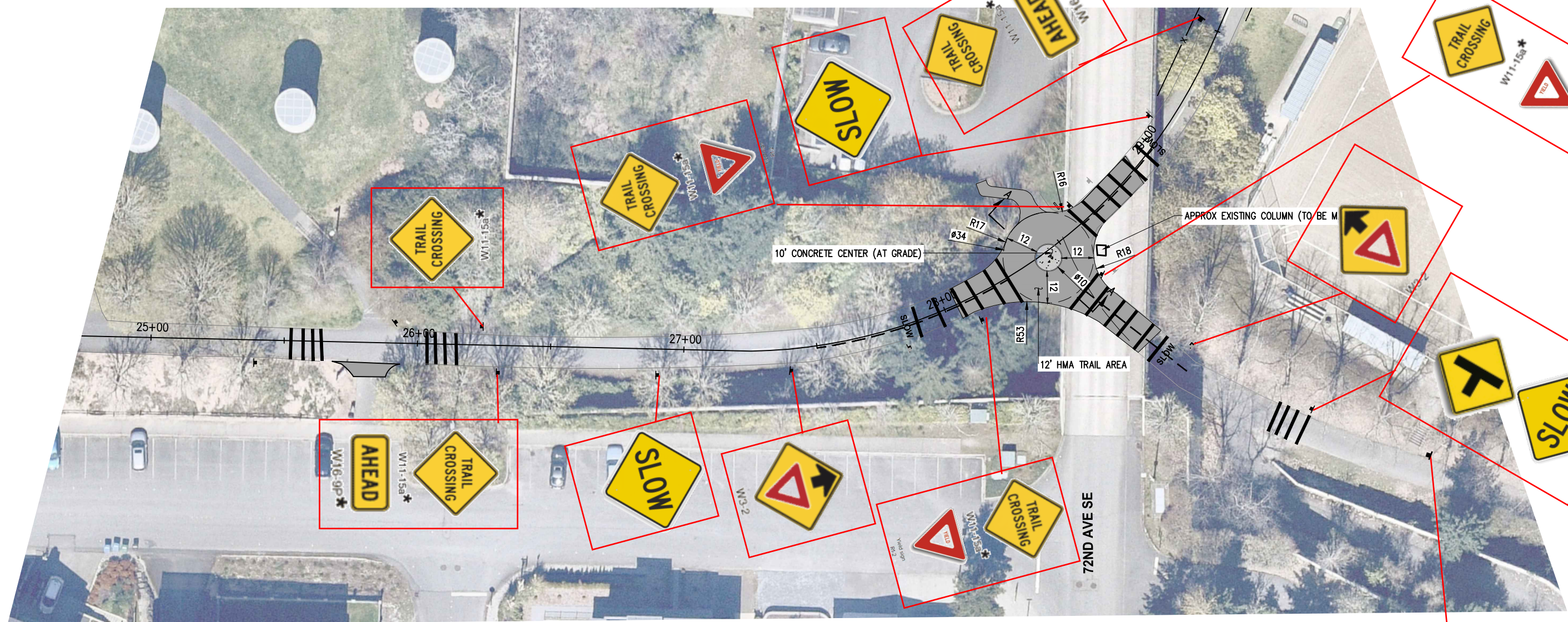
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CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

UNDERPASS INTERSECTION OPTION 1	
KPG PROJECT No. 21098	SHT 17 OF 18



SECTION A-A

ECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\X21098PRP.dwg 11/2/2022 4:09 PM

NO.	DATE	BY	APPR.	REVISIONS

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CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

SITE ELEMENT PLANS STA 28+00 TO STA 29+00	
KPG PROJECT No. 21098	SHT 17 OF 18



November 16, 2022

TO: Ramin Pazooki / Peter Alm
Sno-King Development Services, MS 240

FROM: Christina Strand / Jennifer Nyerick
NWR - King Area Traffic Analysis, MS 120

SUBJECT: I-90 Trail Improvements at Aubrey Davis Park
City of Mercer Island
Two Roundabout Alternatives

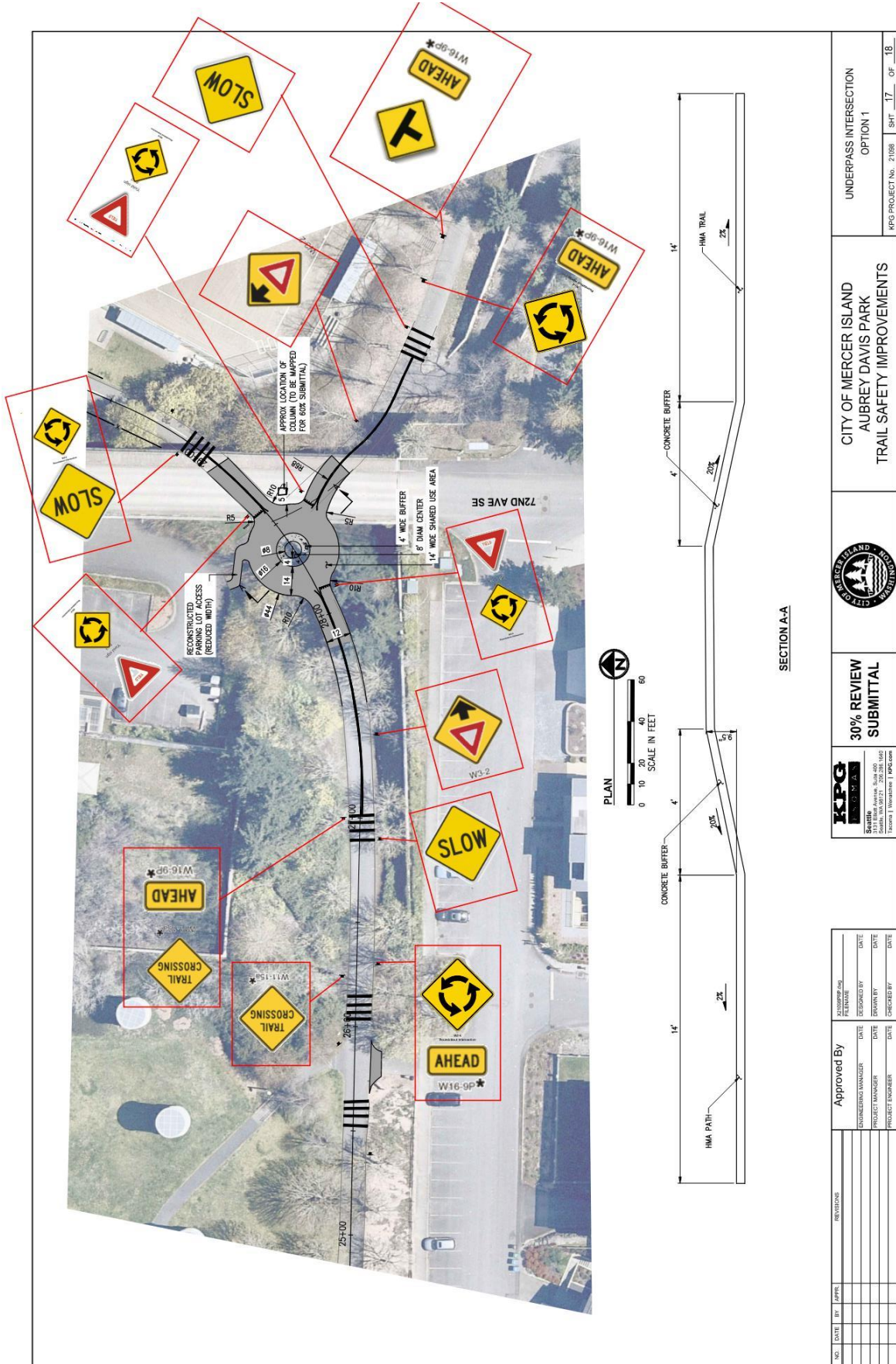
WSDOT NW Region Traffic has reviewed the submission package for the I-90 Trail Improvements at Aubrey Davis Park submitted in November 2022. The project will improve the I-90 trail through Aubrey Davis Park. This submission included two alternatives for the trail intersection underneath 72nd Ave SE.

After meeting with the City of Mercer Island and the design consultants to discuss, WSDOT prefers the larger roundabout alternative, also called Option 1.

The chosen alternative includes a 14' circulating width, where Option 2 only has 12'. The larger width allows for more space for all types of trail users to turn around the circle. This alternative also includes a larger, raised, and contrasting center island, which reinforces the roundabout control of the intersection and acts as speed mitigation for cyclists. The larger size of the roundabout also increases sight distance for approaching trail users. In general, WSDOT would also prefer to use more pavement markings over certain signs to reduce sign clutter. Please consider which signs may work better as pavement markings, such as "slow." We look forward to continuing to work with the City in their efforts to refine their design of the roundabout and center island.

If you have any questions regarding the review comments, please contact Christina Strand at 206-305-3349.

CS:jn
Attachments: *Option 1 Trail Roundabout Concept*



UNDERPASS INTERSECTION
OPTION 1

CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS



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PROJECT MANAGER	DATE	CHECKED BY	DATE
PROJECT ENGINEER	DATE		

NO.	DATE	BY	REVISIONS

MFG PROJECT No. 21088 SHF. 17 OF 18

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CITY OF MERCER ISLAND

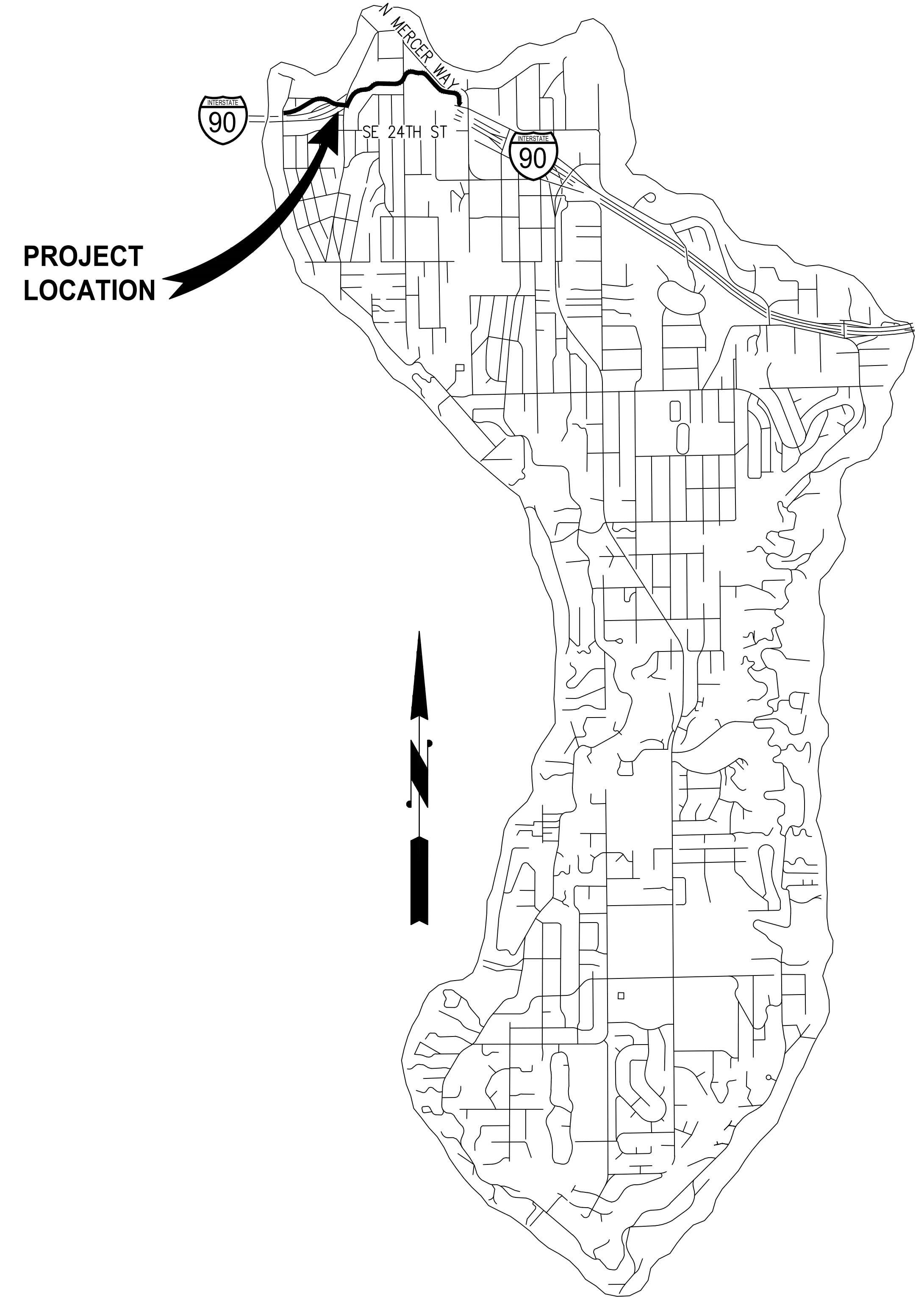
AUBREY DAVIS PARK TRAIL SAFETY IMPROVEMENTS JANUARY 2023

CITY PROJECT NUMBER: XXX

SCHEDULE OF DRAWINGS

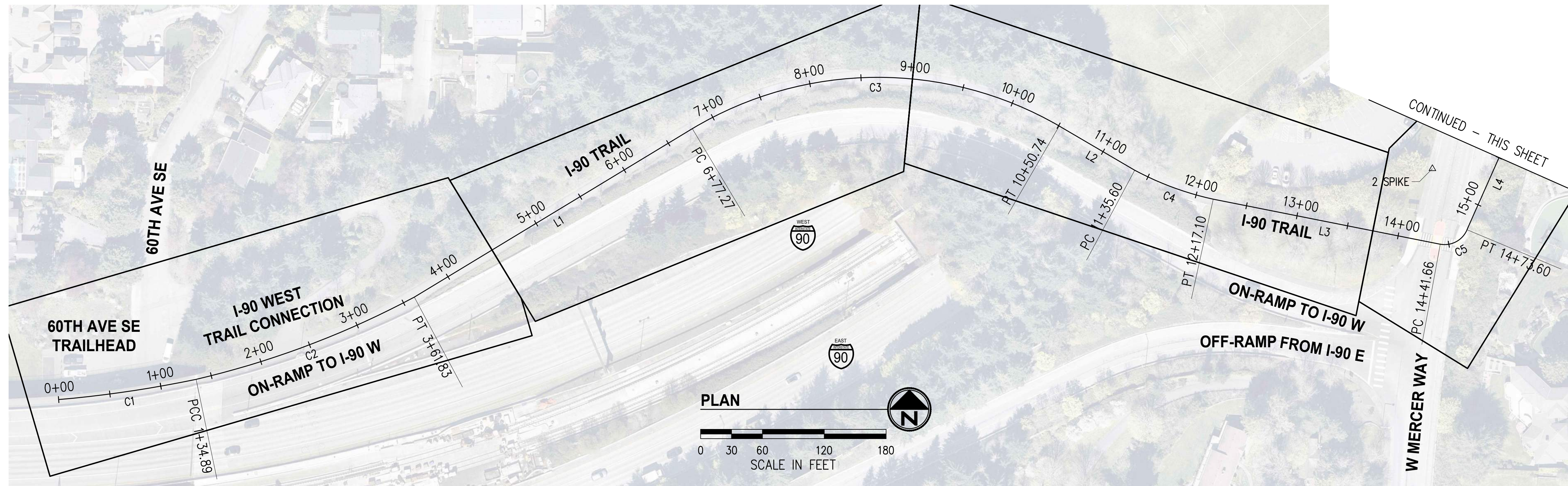
SHEET	DRAWINGS
1	COVER SHEET
2-3	SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA
4	LEGEND AND ABBREVIATIONS
5-6	TESC AND SITE PREPARATION PLANS
7	TESC AND SITE PREPARATION DETAILS
8-13	TRAIL IMPROVEMENT PLANS
14	TRAIL IMPROVEMENT DETAILS
* 15-17	SITE ELEMENT PLANS
* 18	SITE ELEMENT DETAILS
* 19-21	LANDSCAPE RESTORATION PLANS
* 22-23	LANDSCAPE SCHEDULE AND DETAILS
* 24-26	IRRIGATION RESTORATION PLANS
* 27	IRRIGATION SCHEDULE AND DETAILS
* 28-31	SIGN SCHEDULE AND DETAILS
* 32-33	TRAIL ILLUMINATION PLAN AND DETAILS

* THESE SHEETS NOT INCLUDED FOR THIS 30% SUBMITTAL. WILL BE INCLUDED IN 60%.



**CALL 2 DAYS
BEFORE YOU DIG
1-800-424-5555**

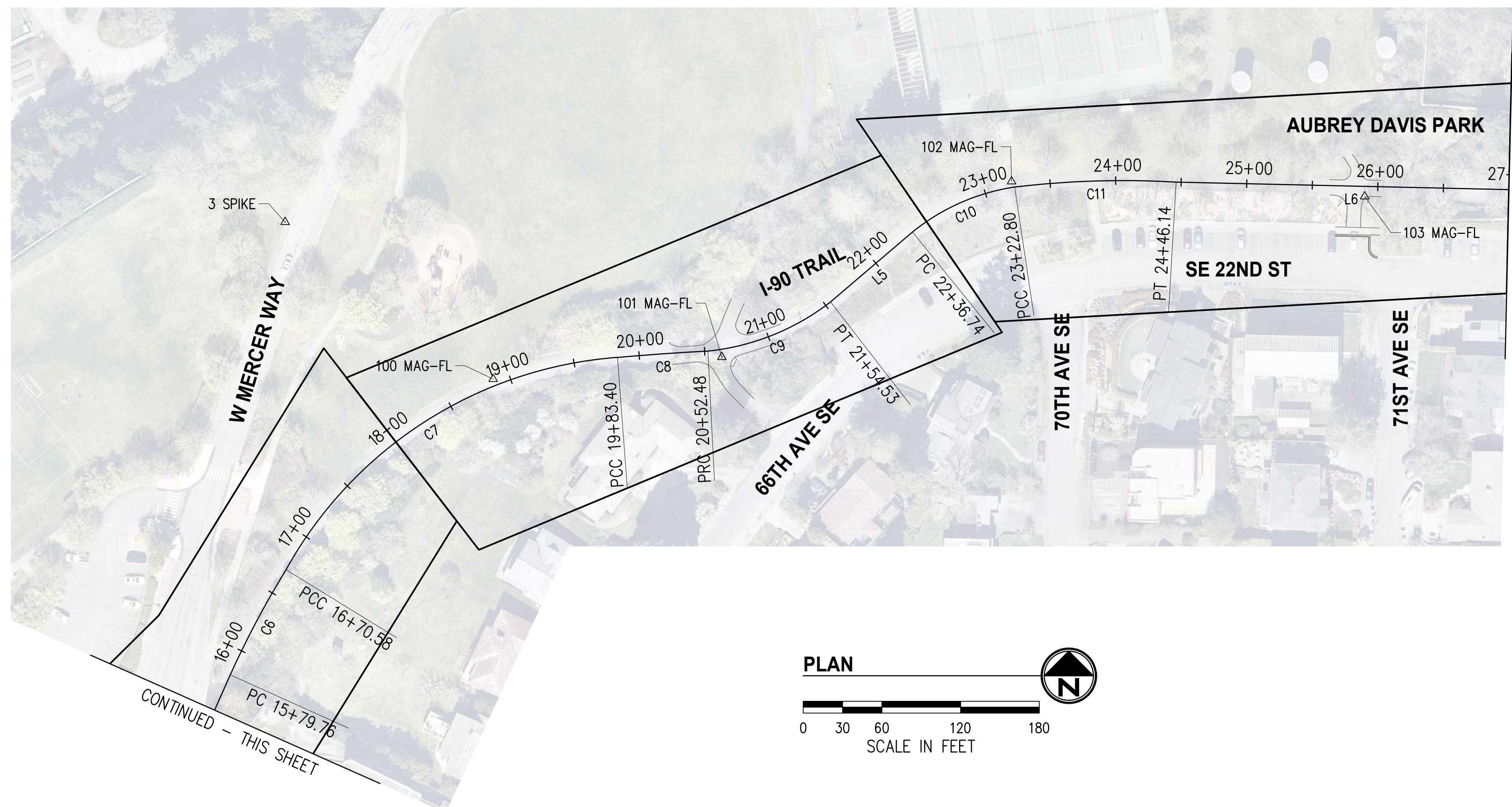
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NOTES

1. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
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3. FIELD SURVEY: KPG, NOVEMBER, 2021. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
4. CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
5. STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
6. THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.



I-90 TRAIL			
NUMBER	LENGTH	RADIUS	BRNG/DELTA
C1	134.89	1127.09'	6°51'26"
C2	226.93	866.19'	15°00'39"
C3	373.47	350.67'	61°01'17"
C4	81.50	295.72'	15°47'25"
C5	31.93	23.56'	77°39'24"
C6	90.82	711.38'	7°18'53"
C7	312.82	315.72'	56°46'12"
C8	69.08	1819.45'	2°10'31"
C9	102.05	183.33'	31°53'39"
C10	86.06	161.95'	30°26'44"
C11	123.34	695.38'	10°09'46"
L1	315.442		N 58°46'42" E
L2	84.862		S 59°39'03" E
L3	224.567		S 78°46'35" E
L4	106.165		N 23°55'59" E
L5	82.209		N 49°31'50" E
L6	279.060		S 88°42'08" E

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11

VERTICAL DATUM: NAVD 88

HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) ALSO REFERENCING KPG JOB NUMBER 19033.

CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
2	SPIKE	218611.57	1291363.16	132.74'
3	SPIKE	218994.76	1291481.64	133.62'
100	MAG-FL	218875.02	1291640.28	141.68'
101	MAG-FL	218891.80	1291814.64	154.79'
102	MAG-FL	219025.76	1292035.53	170.72'
103	MAG-FL	219014.32	1292304.75	167.34'
104	MAG-FL	219032.01	1292518.47	151.16'
105	MAG-FL	219215.42	1292658.91	141.86'
106	SPIKE	219249.71	1292560.03	141.51'
107	SPIKE	219295.67	1292715.03	138.94'

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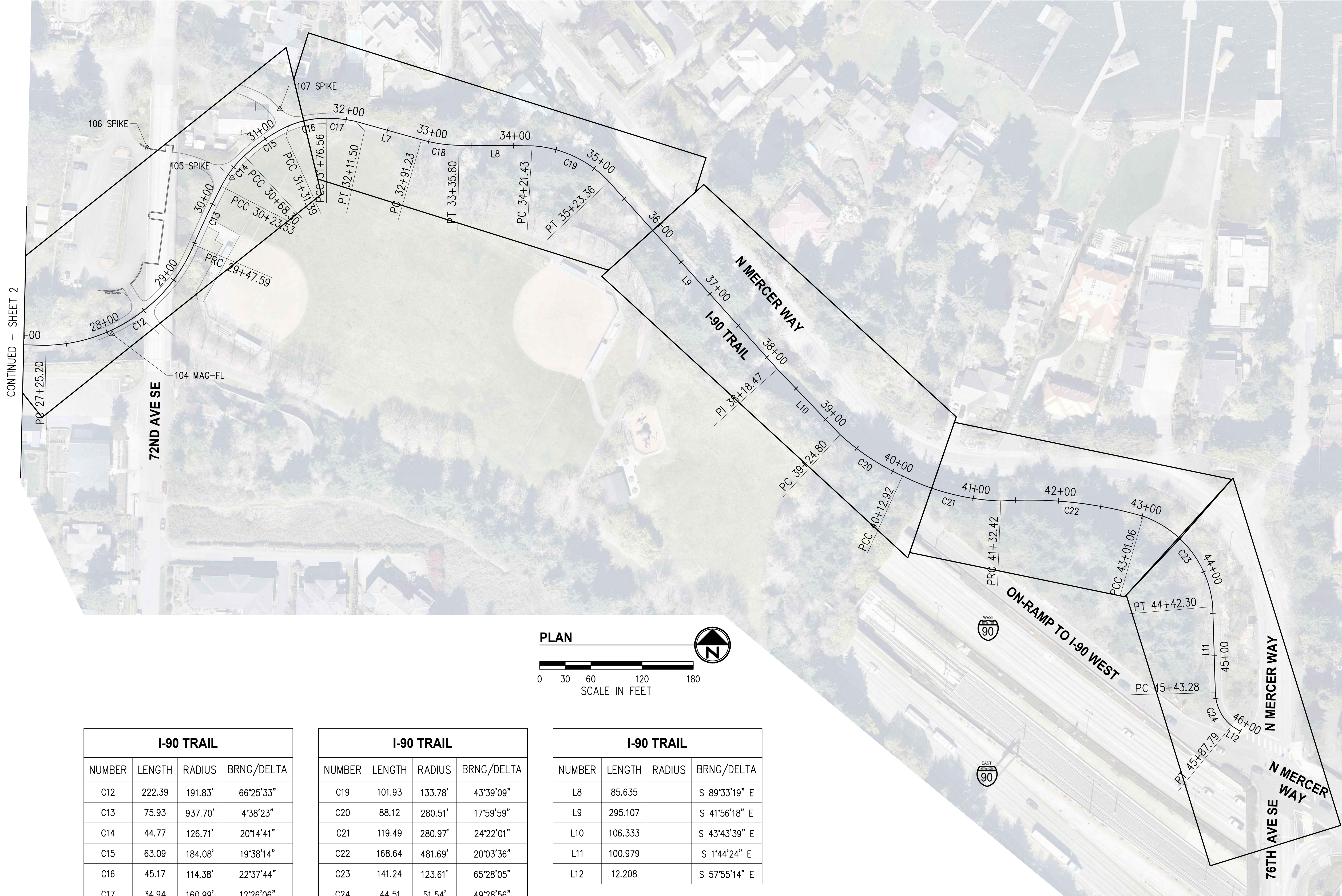
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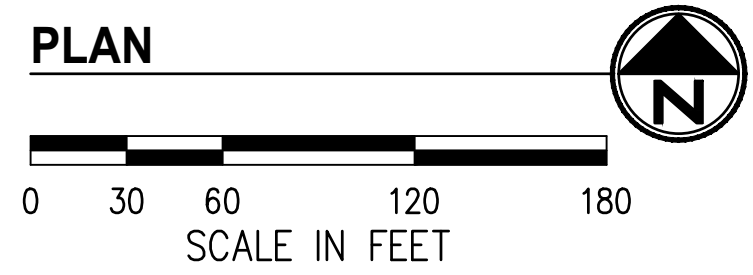


**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA - 1	
KPG PROJECT No. 21098	SHT <u>2</u> OF <u>14</u>



CONTINUED - SHEET 2



I-90 TRAIL			
NUMBER	LENGTH	RADIUS	BRNG/DELTA
C12	222.39	191.83'	66°25'33"
C13	75.93	937.70'	4°38'23"
C14	44.77	126.71'	20°14'41"
C15	63.09	184.08'	19°38'14"
C16	45.17	114.38'	22°37'44"
C17	34.94	160.99'	12°26'06"
C18	44.57	166.20'	15°21'48"

I-90 TRAIL			
NUMBER	LENGTH	RADIUS	BRNG/DELTA
C19	101.93	133.78'	43°39'09"
C20	88.12	280.51'	17°59'59"
C21	119.49	280.97'	24°22'01"
C22	168.64	481.69'	20°03'36"
C23	141.24	123.61'	65°28'05"
C24	44.51	51.54'	49°28'56"
L7	79.731		S 74°25'05" E

I-90 TRAIL			
NUMBER	LENGTH	RADIUS	BRNG/DELTA
L8	85.635		S 89°33'19" E
L9	295.107		S 41°56'18" E
L10	106.333		S 43°43'39" E
L11	100.979		S 1°44'24" E
L12	12.208		S 57°55'14" E

NOTES

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CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS

SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA - 2	
KPG PROJECT No. 21098	SHT <u>3</u> OF <u>14</u>

EXISTING LEGEND

MONUMENT IN CASE	TELEPHONE MANHOLE
SURFACE MONUMENT	TELEPHONE RISER
REBAR & CAP	TELEPHONE VAULT LID
SPOT SHOT (DESCRIBED)	TELEPHONE POLE
CATCH BASIN	TV VAULT LID
STORM DRAIN MANHOLE	FIBER OPTIC MANHOLE
YARD DRAIN	GAS VALVE
DOWNSPOUT	GAS METER
STORM DRAIN CLEAN-OUT	WATER VALVE
SEWER MANHOLE	WATER METER
SEWER CLEAN-OUT	WATER MANHOLE
POWER POLE	FIRE HYDRANT
POWER POLE WITH UG CONNECT	FIRE DEPARTMENT CONNECT
POWER VAULT LID	UTILITY VAULT LID (GENERIC/UNKNOWN)
POWER TRANSFORMER	UTILITY ACCESS (GENERIC/UNKNOWN)
POWER METER	BORE SITE (WITH FIELD DESCRIPTION)
POWER OUTLET	BOULDER
GUY ANCHOR	SIGN
TRAFFIC SIGNAL WITH LUMINAIRE	MAILBOX
PEDESTRIAN SIGNAL	SHRUB
JUNCTION BOX TYPE 1, 2, 3	GRASS
TRAFFIC CONTROL CABINET	DECIDUOUS TREE, DIAM. IN INCHES (# OF TRUNKS)
TRAFFIC SERVICE CABINET	CONIFEROUS TREE, DIAM. IN INCHES (# OF TRUNKS)
TRAFFIC ATTENUATOR LOOP	
STREET LIGHT (LUMINAIRE)	
LOT LIGHT	
YARD LIGHT	

PAINTED POWER
PAINTED TELEPHONE
PAINTED FIBER OPTIC
PAINTED TV
PAINTED WATER
PAINTED GAS
STORM
SEWER
FENCE
HEDGE (HEIGHT NOTED)
BUILDING
PAINTED STRIPE
RAISED-BUTTON SOLID STRIPE
RAISED-BUTTON SKIP STRIPE
EDGE OF PAVEMENT
FLOWLINE
CONTOUR
EXISTING RIGHT-OF-WAY LINE
PROPERTY LINE
CONCRETE
GRAVEL
BRICK
METAL GRATE

PROPOSED LEGEND

WATER METER
WATER VALVE
FIRE HYDRANT
SIGN
CHAIN LINK FENCE
DETECTABLE WARNING SURFACE
HMA CL 1/2" PG 64-22 FOR NEW PAVEMENT
REMOVE ASPHALT CONC PAVEMENT (ON SITE PREPARATION PLANS)
CEMENT CONCRETE
PERVIOUS CEMENT CONCRETE
RESERVOIR COURSE
CSTC
CSBC
TREE GRATE
DECORATIVE PEDESTRIAN LUMINAIRES AND POLE
SIGNAL POLE WITH DECORATIVE LUMINAIRE AND MAST ARM
SIGNAL CONTROLLER CABINET
ELECTRICAL SERVICE CABINET
BATTERY BACKUP POWER SUPPLY
JUNCTION BOX TYPE 1, 2, 8
CONDUIT

ABBREVIATIONS

AC	ASPHALT CONCRETE	MIC	MONUMENT IN CASE
ACP	ASPHALT CONCRETE PAVEMENT	MJ	MECHANICAL JOINT
ADA	AMERICANS WITH DISABILITIES ACT	MON	MONUMENT
AP	ANGLE POINT	N	NORTH OR NORTHING
APPROX	APPROXIMATE	NAVD	NORTH AMERICAN VERTICAL DATUM
BLDG	BUILDING	NO	NUMBER
CB	CATCH BASIN	NTS	NOT TO SCALE
CCP	CEMENT CONCRETE PAVEMENT	OC	ON CENTER
CDF	CONTROLLED DENSITY FILL	OD	OUTSIDE DIAMETER
CHLK	CHAINLINK	PC	POINT OF CURVE
CL	CENTERLINE	PCC	POINT OF COMPOUND CURVATURE
CL	CLASS	PCCP	PERVIOUS CEMENT CONCRETE PAVEMENT
CO	CLEANOUT	PI	POINT OF INTERSECTION
COMI	CITY OF MERCER ISLAND	POB	POINT OF BEGINNING
COL	COLUMN CONC CONCRETE	POE	POINT OF ENDING
CSBC	CRUSHED SURFACING BASE COURSE	PRC	POINT OF REVERSE CURVATURE
CSTC	CRUSHED SURFACING TOP COURSE	PT	POINT OF TANGENT
DI	DUCTILE IRON	PVC	POLYVINYL CHLORIDE OR
DIA	DIAMETER		POINT OF VERTICAL CURVATURE
DW	DRIVEWAY	PVT	POINT OF VERTICAL TANGENT
E	EAST OR EASTING	PVI	POINT OF VERTICAL INTERSECTION
EA	EACH	R	RADIUS
ELEV	ELEVATION	ROW	RIGHT OF WAY
EOP	EDGE OF PAVEMENT	RT	RIGHT
EW	EACH WAY	S	SLOPE OR SOUTH
EXIST	EXISTING	SD	STORM DRAIN
FF	FINISHED FLOOR	SDMH	STORM DRAIN MANHOLE
FL	FLOW LINE	SE	SOUTHEAST
FO	FIBER OPTIC	SHT	SHEET
FOC	FACE OF CURB	SQ	SQUARE
HMA	HOT MIX ASPHALT	SS	SANITARY SEWER
HORIZ	HORIZONTAL	SSMH	SANITARY SEWER MANHOLE
HP	HIGH POINT	ST	STREET
ID	INSIDE DIAMETER	STA	STATION
IE	INVERT ELEVATION	STD	STANDARD
IN	INCH/INCHES	STCR	STRUCTURE
JB	JUNCTION BOX	SW	SOUTHWEST
L	LENGTH LT LEFT	TYP	TYPICAL
LF	LINEAR FEET	VERT	VERTICAL
LP	LOW POINT	W	WEST
MAX	MAXIMUM	YD	YARD DRAIN
MIN	MINIMUM		
MH	MANHOLE		

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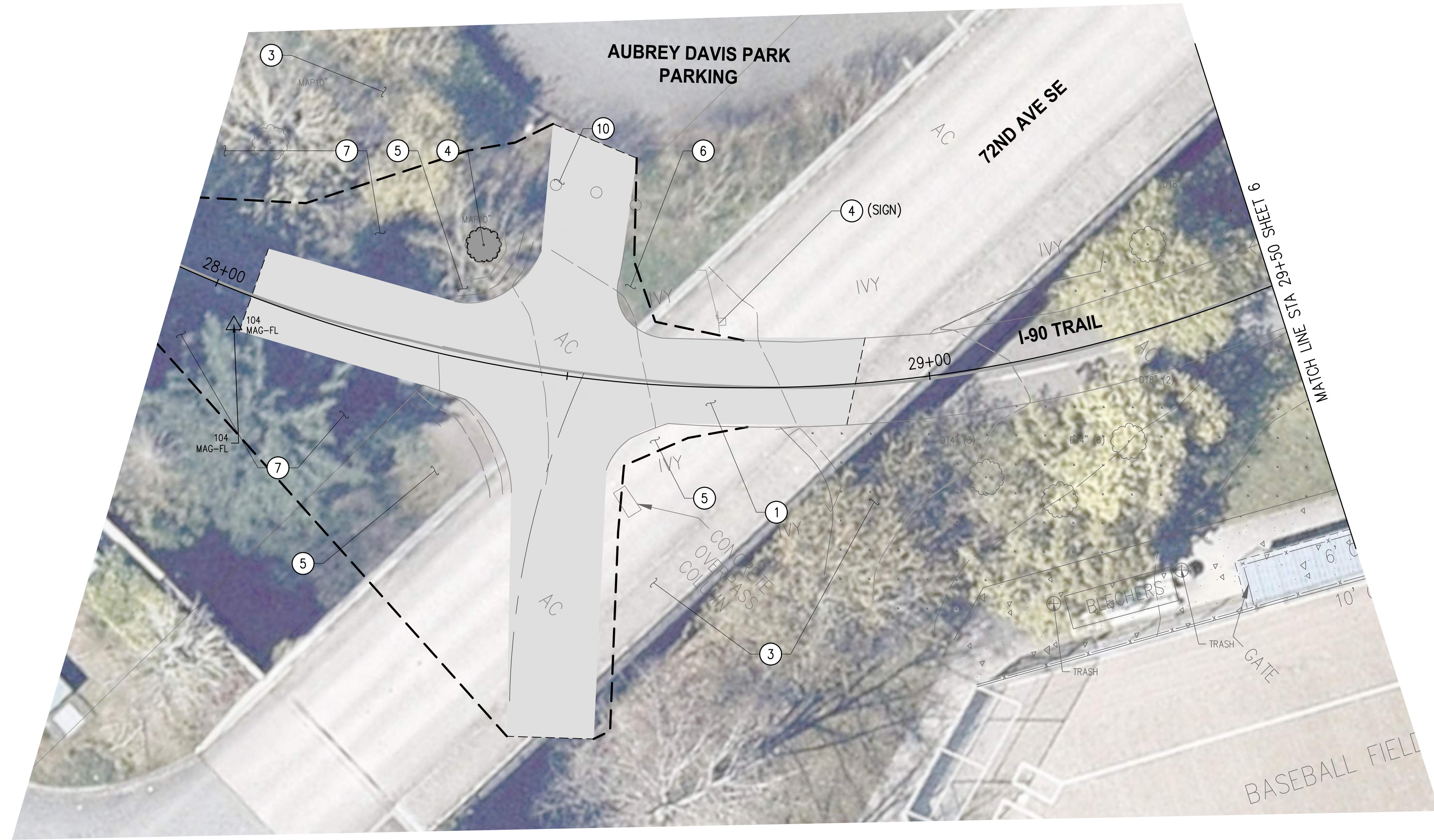
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

LEGEND AND ABBREVIATIONS	
KPG PROJECT No. 21098	SHT <u>4</u> OF <u>14</u>



GENERAL NOTES

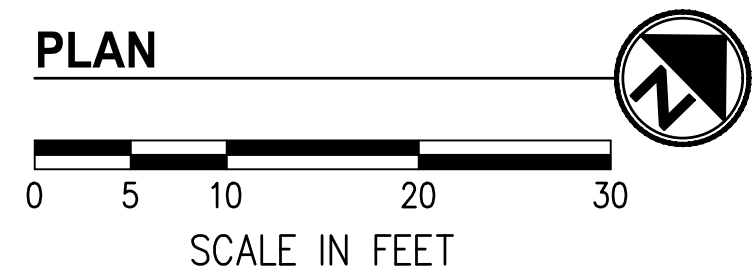
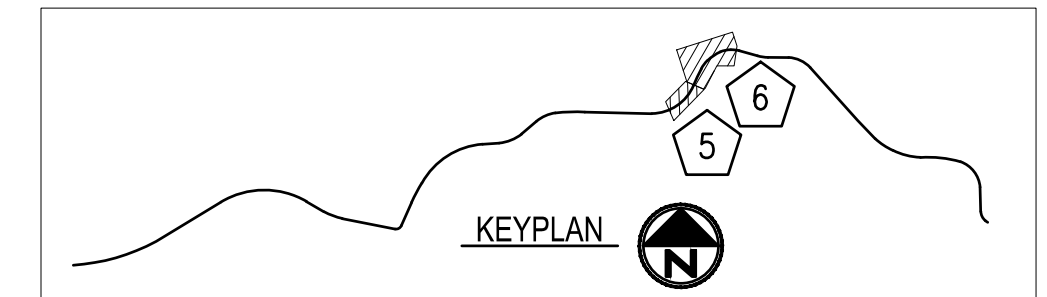
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2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS AND PARK USERS.
5. CONTRACTOR SHALL FURNISH AND INSTALL INLET PROTECTION IN ALL EXISTING AND NEW CATCH BASINS. CONTRACTOR SHALL INSTALL OTHER EROSION CONTROL MEASURES TO MINIMIZE SEDIMENT MIGRATION INTO STREAMS AND STORM DRAINAGE SYSTEMS.

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ③ PRESERVE AND PROTECT.
- ④ REMOVE.
- ⑤ REMOVE GROUNDCOVER/GRASS WITHIN CLEARING LIMITS AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- ⑥ REMOVE VEGETATION, THIS AREA.
TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. CONTRACTOR SHALL VERIFY VEGETATION MANAGEMENT (TRIMMING/PRUNING) AREA WITH COMI PARKS DEPARTMENT PRIOR TO START OF WORK.
- ⑦ REMOVE BOLLARDS.

LEGEND

- REMOVE CEMENT CONC PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE CURB AND GUTTER
- REMOVE DECIDUOUS TREE
- SAWCUT
- HIGH VISIBILITY FENCE
- CLEARING LIMITS



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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TESC AND SITE PREPARATION PLANS STA 28+00 TO STA 29+50	
KPG PROJECT No. 21098	SHT <u>5</u> OF <u>14</u>



GENERAL NOTES

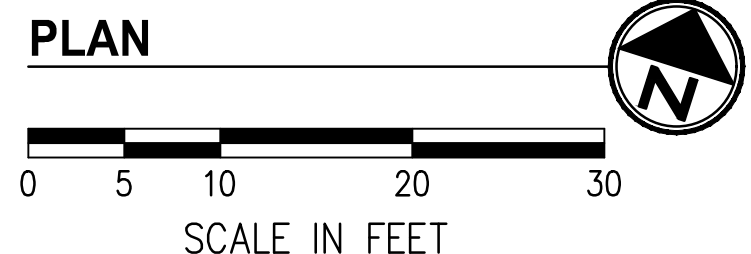
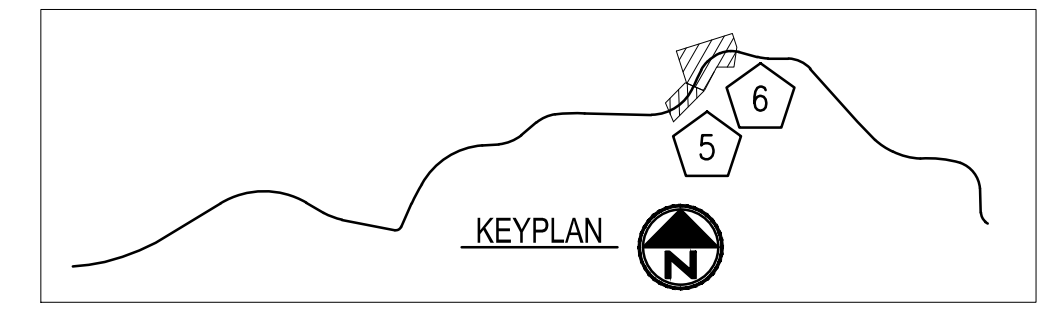
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS AND PARK USERS.
5. CONTRACTOR SHALL FURNISH AND INSTALL INLET PROTECTION IN ALL EXISTING AND NEW CATCH BASINS. CONTRACTOR SHALL INSTALL OTHER EROSION CONTROL MEASURES TO MINIMIZE SEDIMENT MIGRATION INTO STREAMS AND STORM DRAINAGE SYSTEMS.

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ② SAWCUT AND REMOVE CONCRETE PAVEMENT.
- ③ PRESERVE AND PROTECT.
- ④ REMOVE.
- ⑤ REMOVE GROUNDCOVER/GRASS WITHIN CLEARING LIMITS AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- ⑥ REMOVE VEGETATION, THIS AREA.
TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. CONTRACTOR SHALL VERIFY VEGETATION MANAGEMENT (TRIMMING/PRUNING) AREA WITH COMI PARKS DEPARTMENT PRIOR TO START OF WORK.
- ⑦ REMOVE DRINKING FOUNTAIN. CUT AND CAP SUPPLY LINE. MARK ON SURFACE FOR FUTURE CONNECTION OF NEW DRINKING FOUNTAIN.
- ⑧ REMOVE BENCH. CONTRACTOR SHALL STORE BENCH FOR REINSTALLATION.
- ⑩ REMOVE BOLLARDS.
- ⑪ PRESERVE AND PROTECT PEACE POLE.
- ⑫ REMOVE BIKE RACK. CONTRACTOR SHALL STORE FOR REINSTALLATION.
- ⑬ REMOVE DOG WASTE DISPENSER. CONTRACTOR SHALL STORE FOR REINSTALLATION.
- ⑭ REMOVE TRASH AND RECYCLE CONTAINERS. CONTRACTOR SHALL STORE FOR REINSTALLATION.

LEGEND

- REMOVE CEMENT CONC PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE CURB AND GUTTER
- REMOVE DECIDUOUS TREE
- SAWCUT
- HIGH VISIBILITY FENCE
- CLEARING LIMITS



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PROJECT ENGINEER	DATE	CHECKED BY	DATE

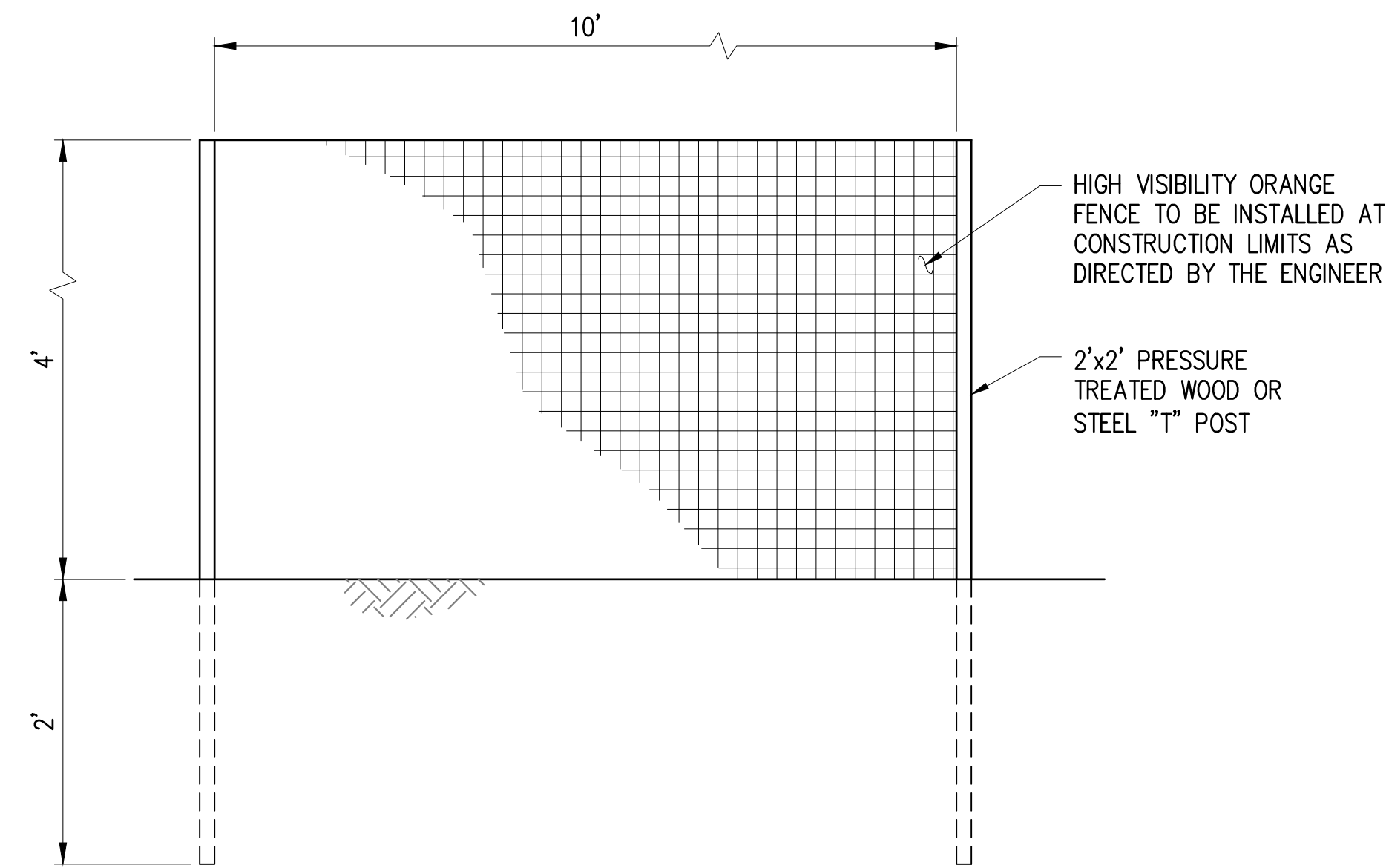
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AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

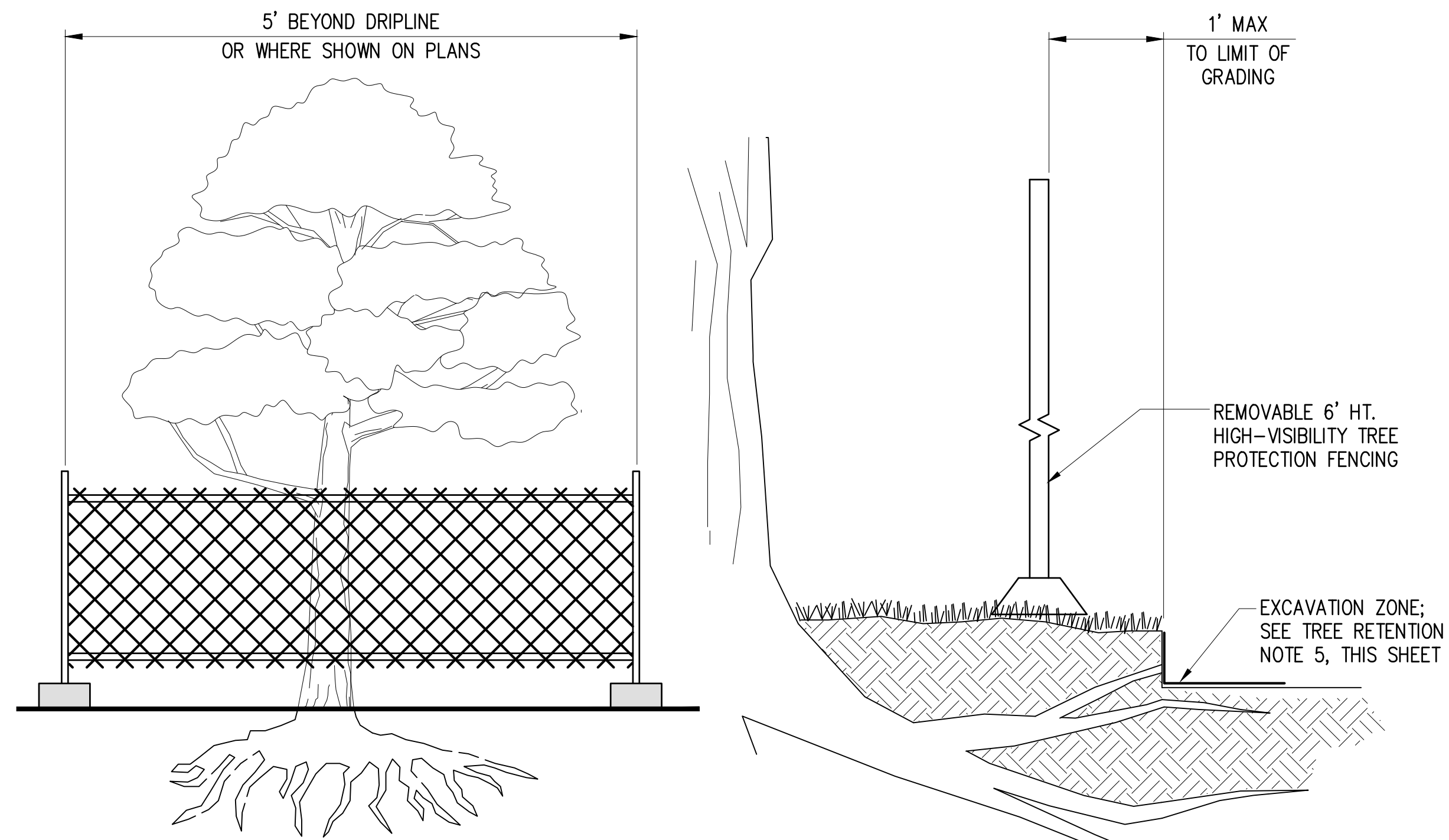
TESC AND SITE PREPARATION PLANS STA 29+50 TO STA 32+00	
KPG PROJECT No. 21098	SHT <u>6</u> OF <u>14</u>



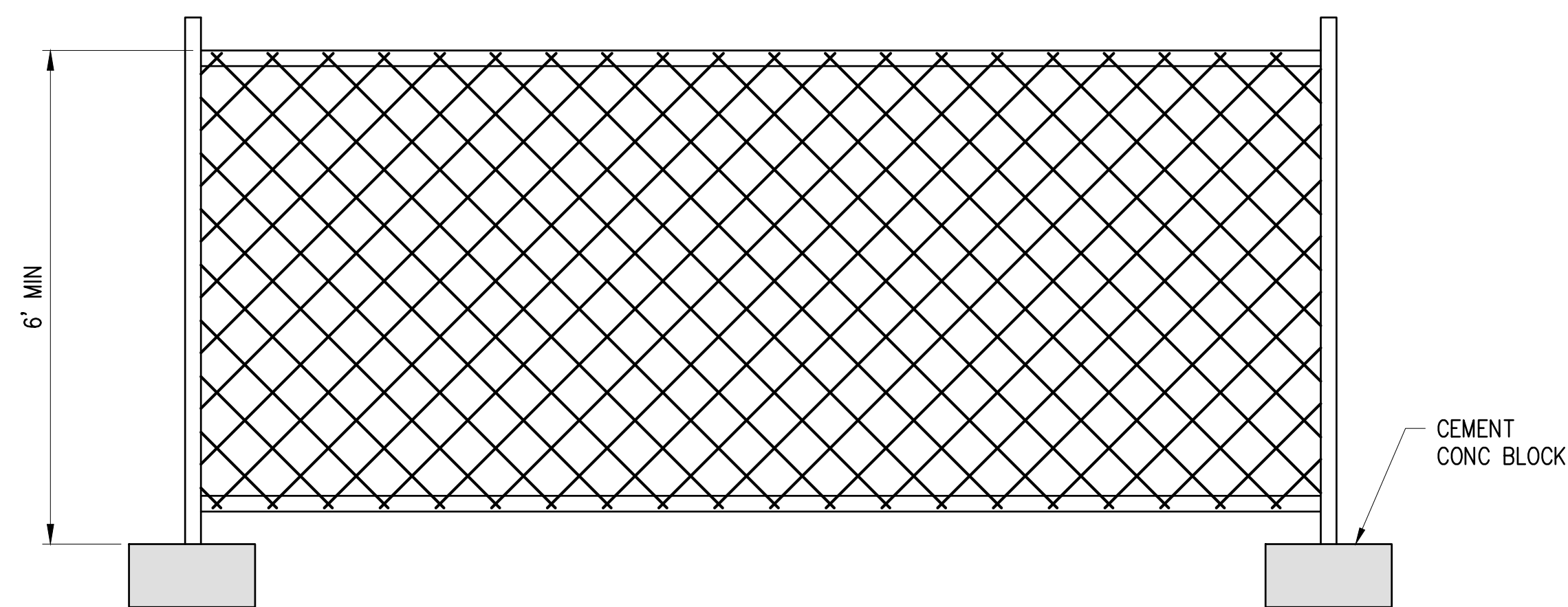
ELEVATION

NOTE:
PLACE AT GRADING LIMITS AND AROUND TREES TO BE PROTECTED WHERE DIRECTED BY THE ENGINEER.

HIGH VISIBILITY ORANGE FENCING
NTS



TREE PROTECTION DETAIL
NTS



NOTES:

- SIX FOOT HIGH TEMPORARY CHAIN LINK FENCE SHALL BE PLACED WHERE INDICATED ON PLANS. ACCESS GATES TO BE INSTALLED ONLY WHERE INDICATED ON PLANS. INSTALL FENCE POSTS USING CEMENT CONC. BLOCK FOOTINGS ONLY. AVOID DRIVING POSTS OR STAKES INTO EXISTING GROUND SURFACE.

TEMPORARY CHAIN LINK FENCE
NTS

NO.	DATE	BY	APPR.	REVISIONS

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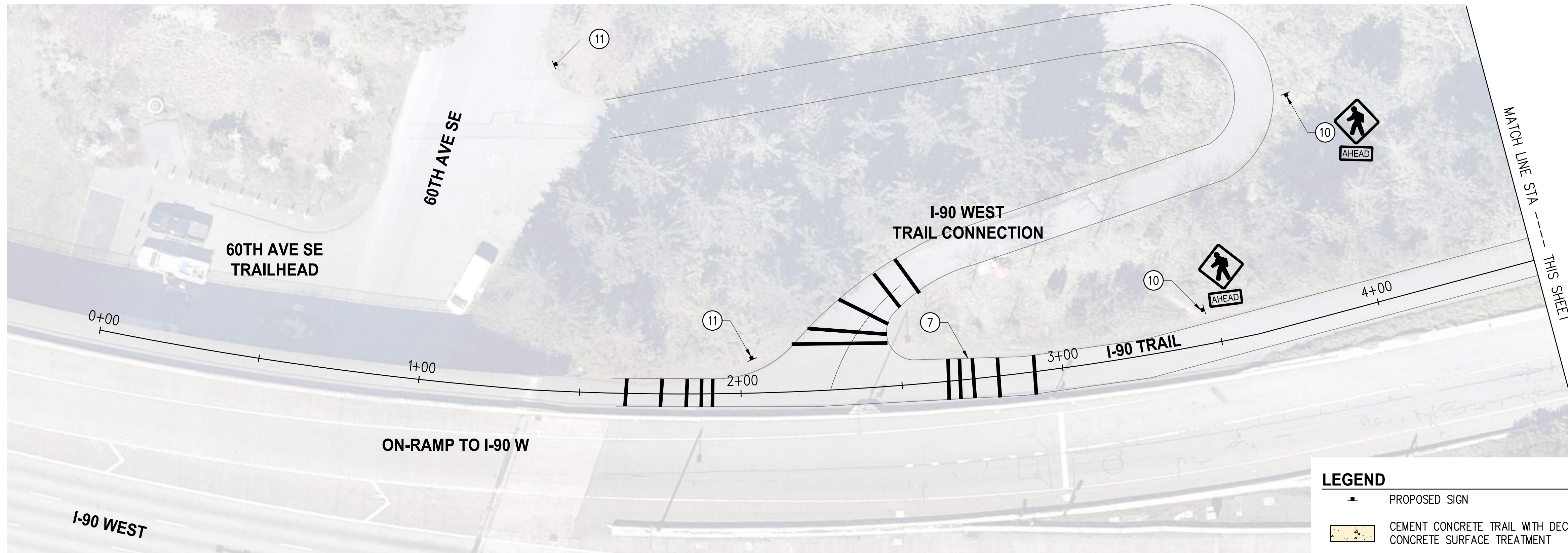
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TESC AND SITE PREPARATION DETAILS	
KPG PROJECT No. 21098	SHT <u>7</u> OF <u>14</u>



GENERAL NOTES

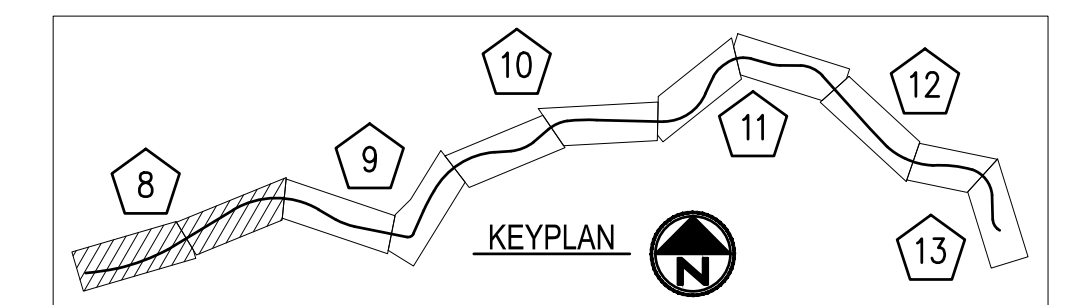
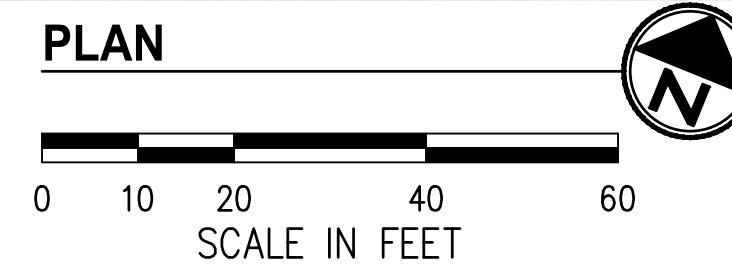
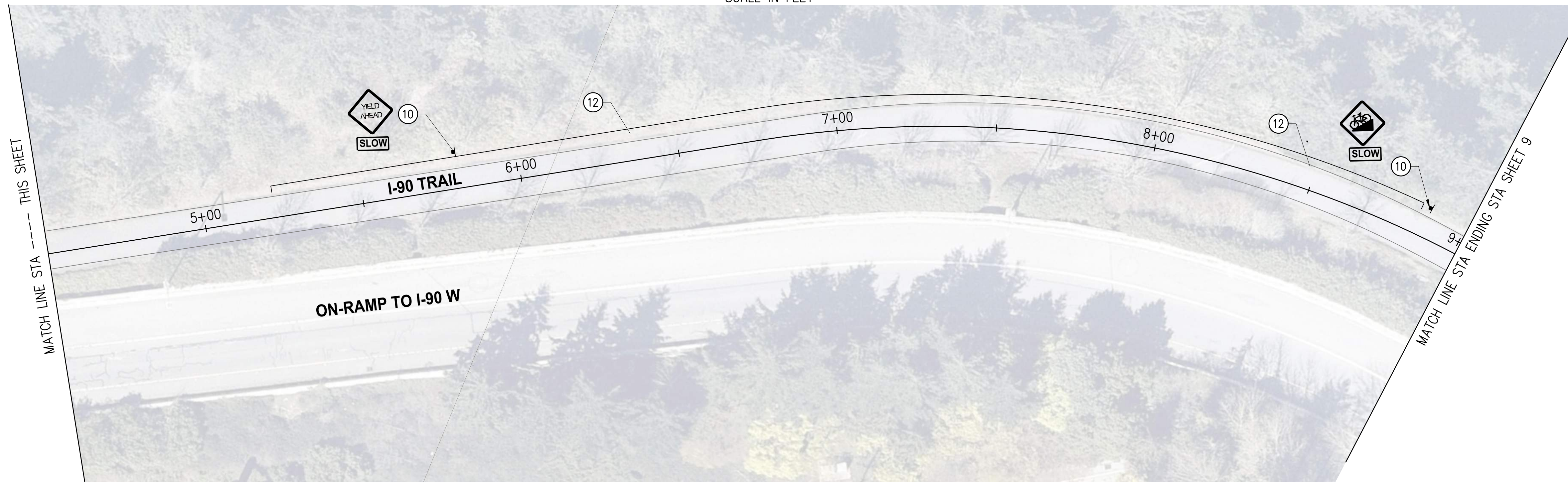
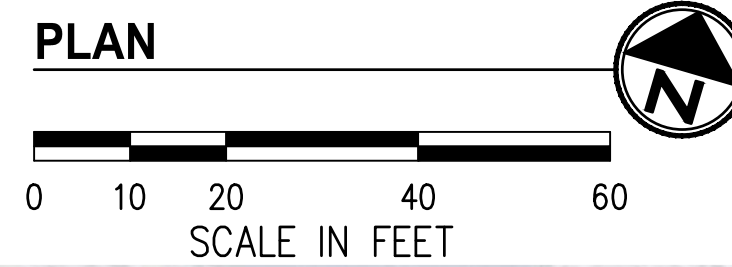
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

CONSTRUCTION NOTES

7. INSTALL PAINTED BAR PER DETAIL, SHEET 14.
10. INSTALL REGULATORY SIGN.
11. INSTALL WAYFINDING SIGN.
12. RESTORE TRAIL SHOULDER, SHEET 14.
13. LAWN RESTORATION.

LEGEND

- PROPOSED SIGN
- CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
- HMA TRAIL OR PAVEMENT
- DETECTABLE WARNING SURFACE
- CEMENT CONCRETE TRAIL



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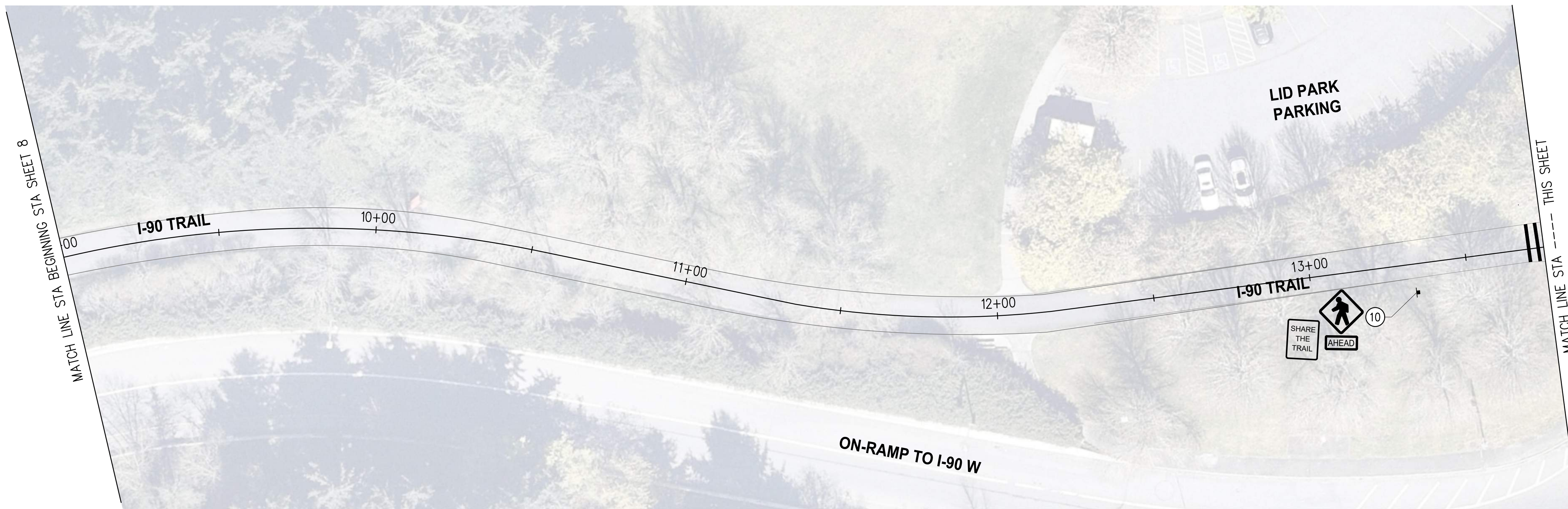
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**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS	
STA 0+00 TO STA 9+00	
KPG PROJECT No. 21098	SHT <u>8</u> OF <u>14</u>

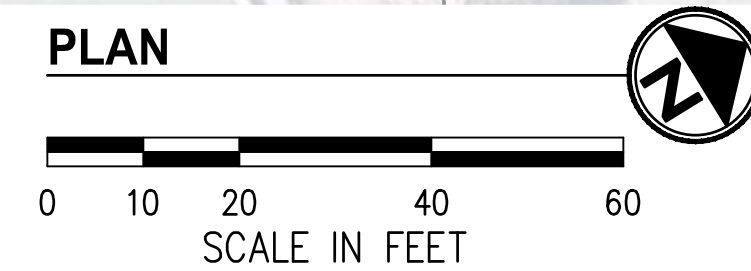
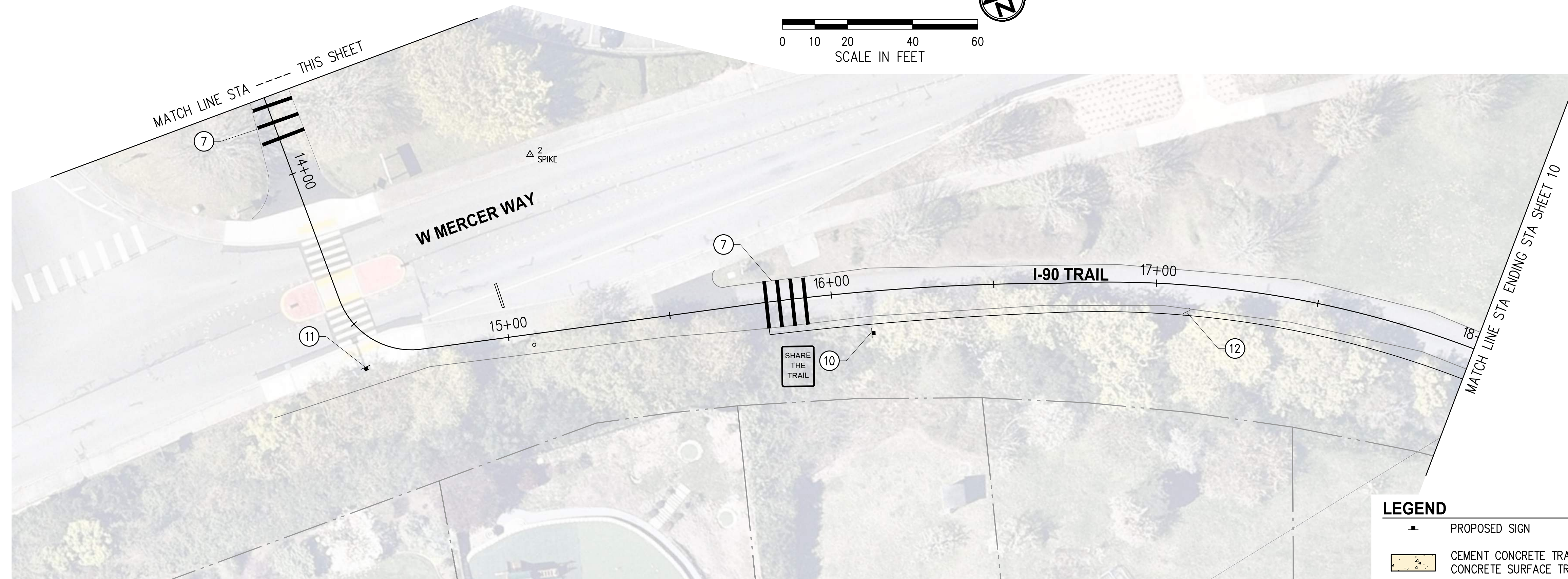
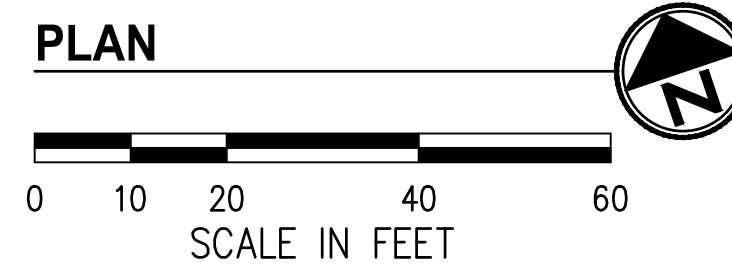


GENERAL NOTES

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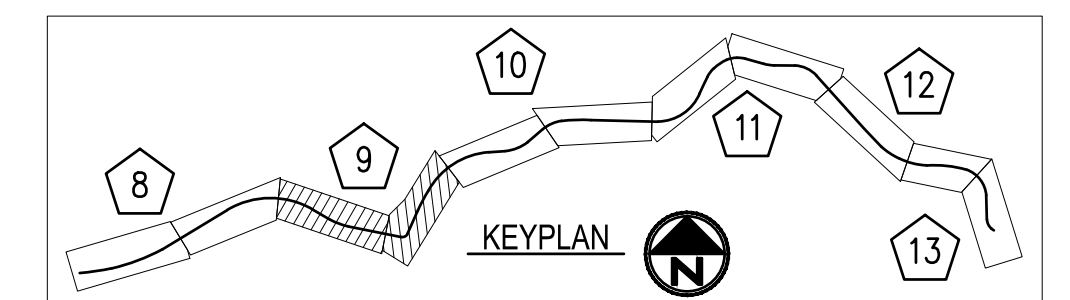
CONSTRUCTION NOTES

- (7) INSTALL PAINTED BAR PER DETAIL, SHEET 14.
- (10) INSTALL REGULATORY SIGN.
- (11) INSTALL WAYFINDING SIGN.
- (12) RESTORE TRAIL SHOULDER, SHEET 14.



LEGEND

- PROPOSED SIGN
- CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
- HMA TRAIL OR PAVEMENT
- DETECTABLE WARNING SURFACE
- CEMENT CONCRETE TRAIL



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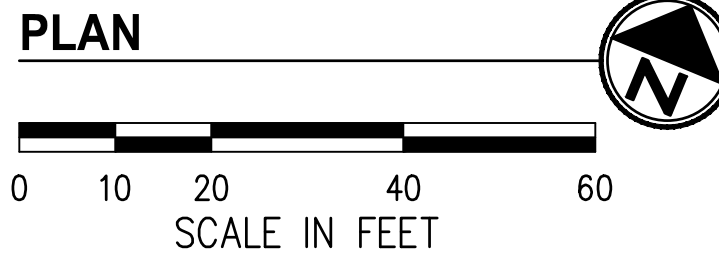
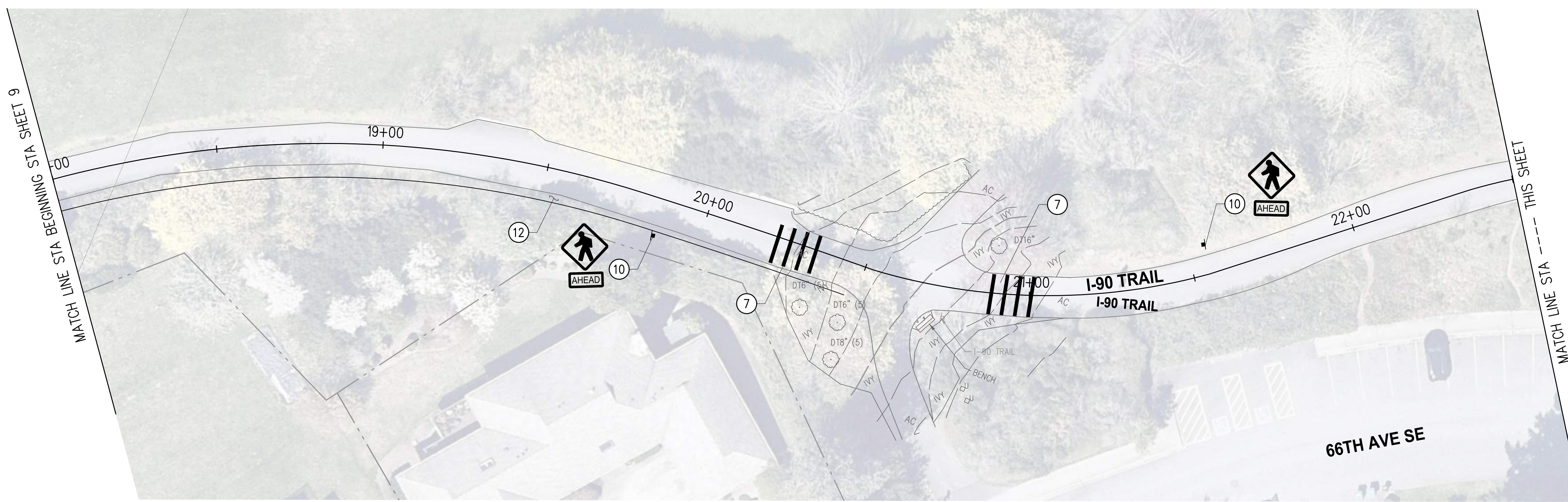
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**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS	
STA 9+00 TO STA 18+00	
KPG PROJECT No. 21098	SHT <u>9</u> OF <u>14</u>

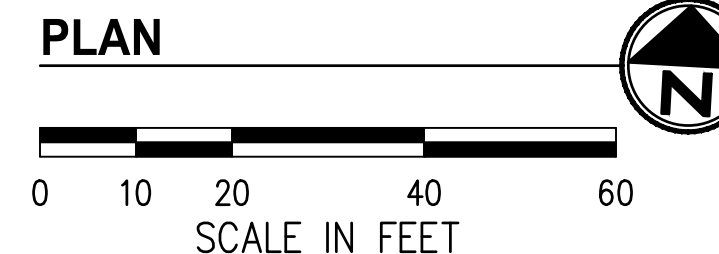
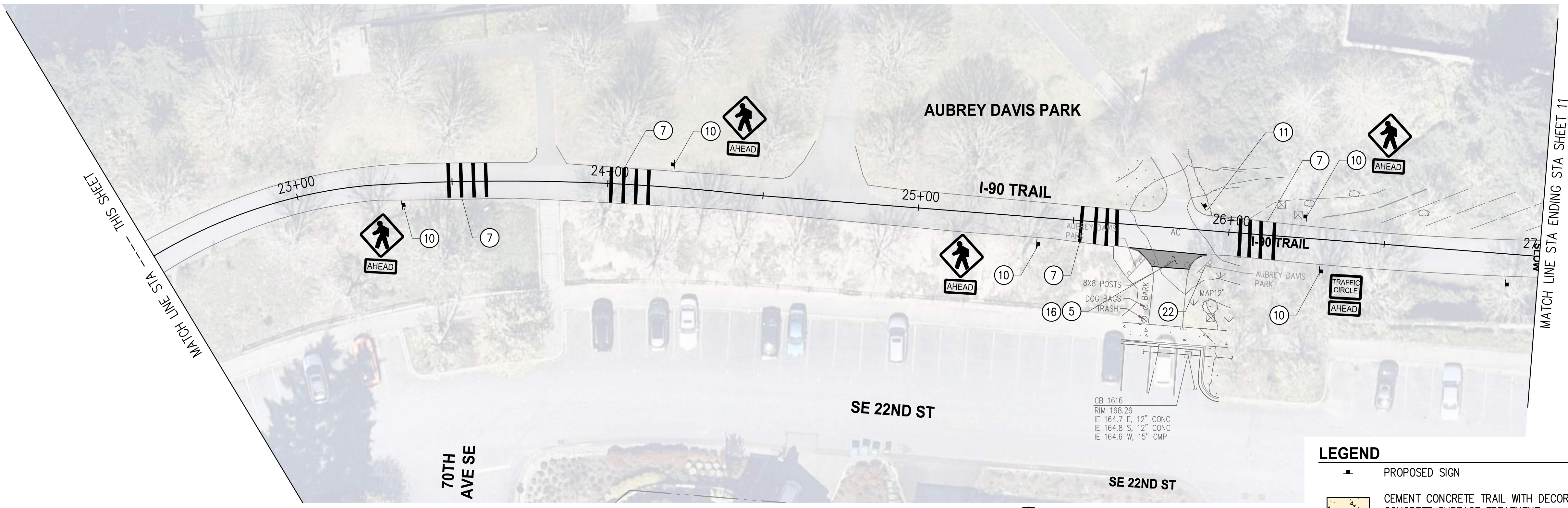


GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

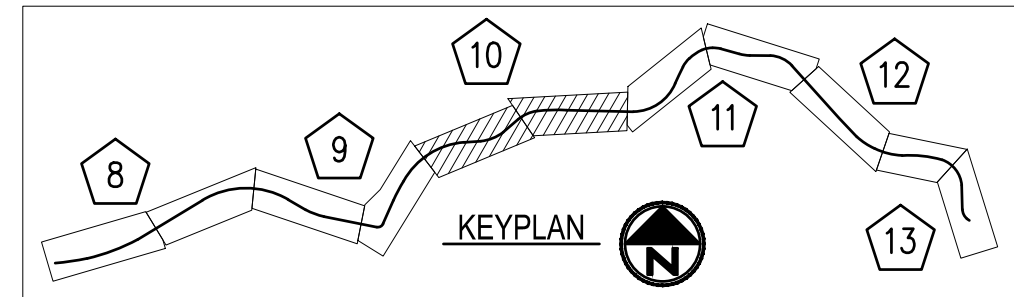
CONSTRUCTION NOTES

- 5 INSTALL HMA CL 1/2" PG58H-22 FOR WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- 7 INSTALL PAINTED BAR PER DETAIL, SHEET 14.
- 10 INSTALL REGULATORY SIGN.
- 11 INSTALL WAYFINDING SIGN.
- 12 RESTORE TRAIL SHOULDER, SHEET 14.
- 16 REMOVE BOLLARDS WITHIN PAVEMENT LIMITS.
- 22 REMOVE AND SALVAGE PARK SIGN TO CITY.



LEGEND

- PROPOSED SIGN
- CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
- HMA TRAIL OR PAVEMENT
- DETECTABLE WARNING SURFACE
- CEMENT CONCRETE TRAIL



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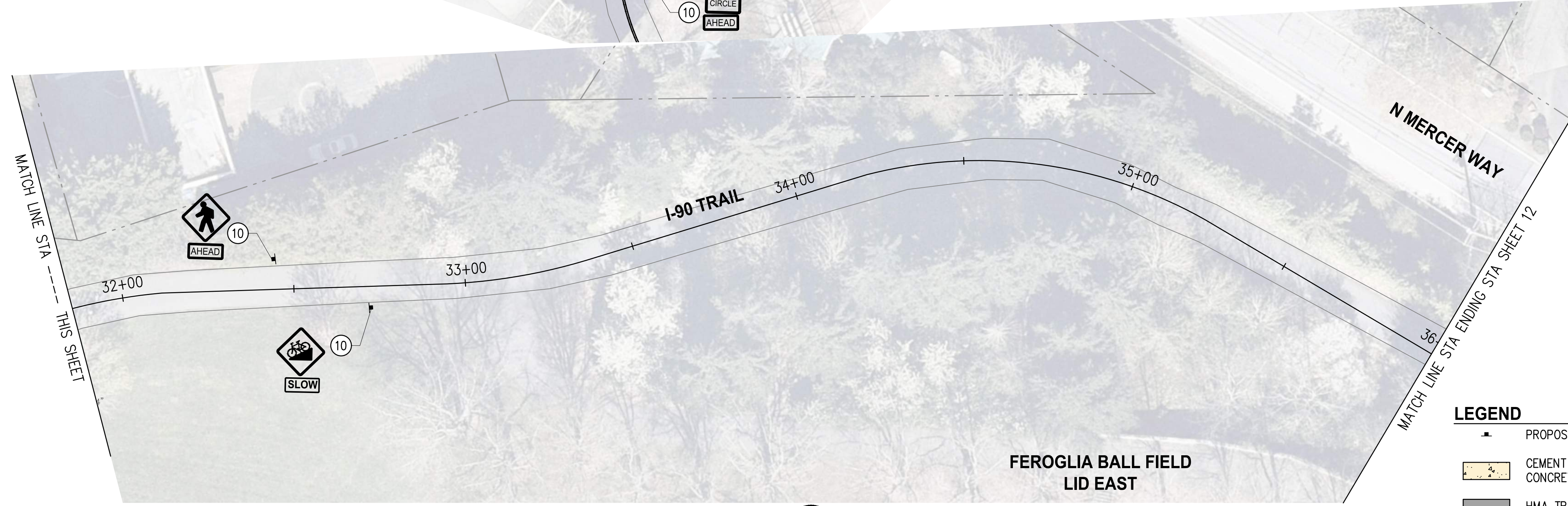
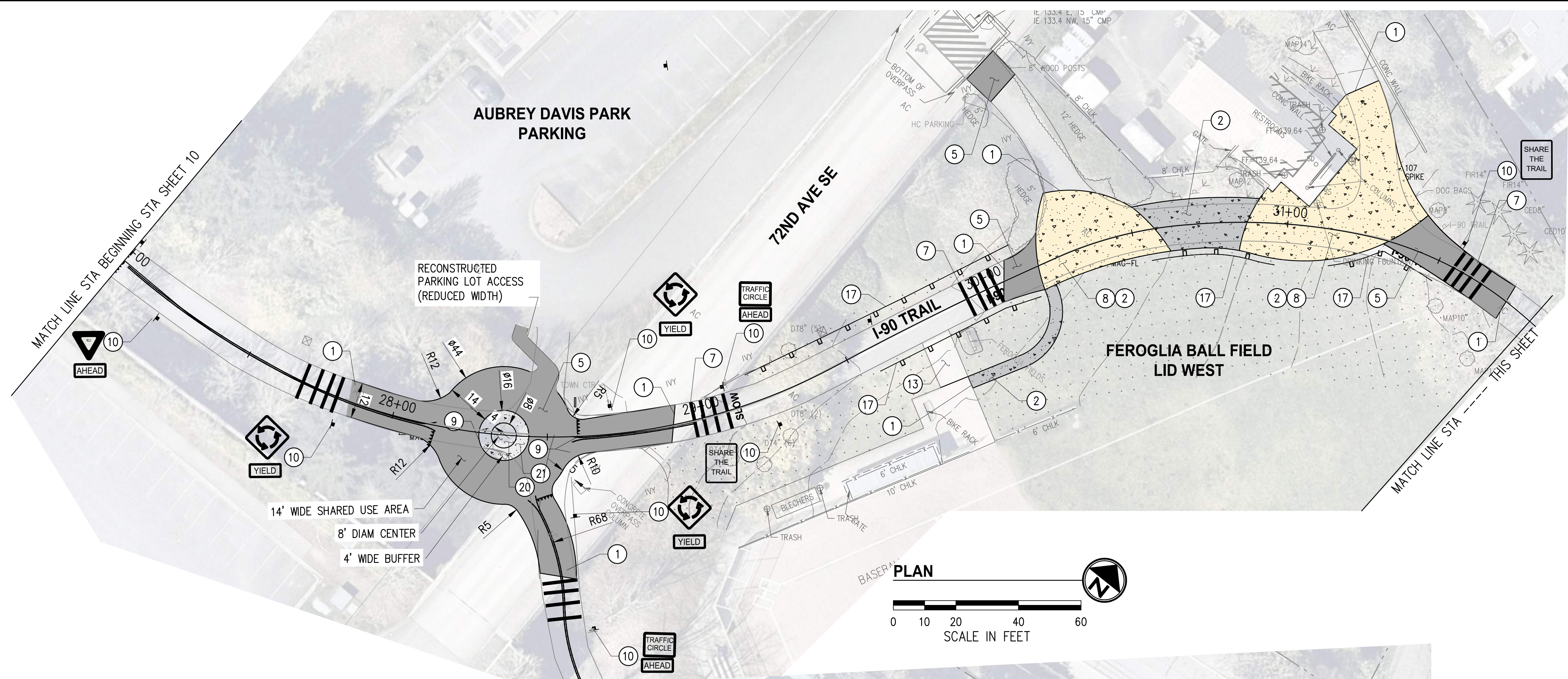
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 18+00 TO STA 27+00	
KPG PROJECT No. 21098	SHT <u>10</u> OF <u>14</u>

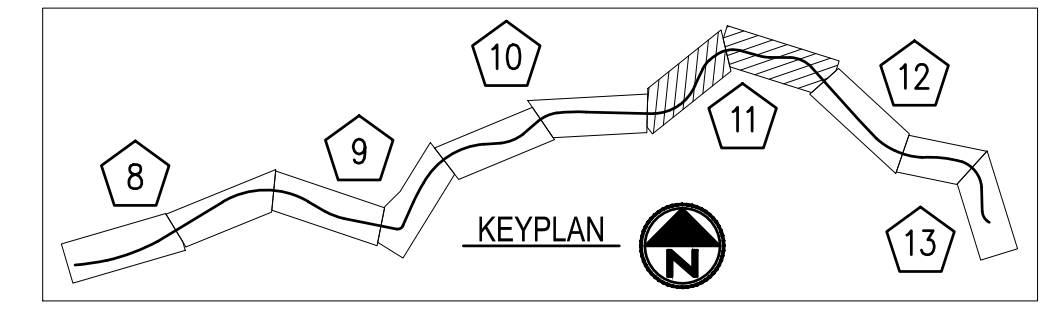


- GENERAL NOTES**
- CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

- CONSTRUCTION NOTES**
- MATCH EXISTING PAVEMENT EDGE, FLUSH.
 - CONSTRUCT CEMENT CONC TRAIL. SEE TYPICAL SECTION, SHEET 14.
 - INSTALL HMA CL 1 1/2" PG58H-22 FOR WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
 - INSTALL PAINTED BAR PER DETAIL, SHEET 14.
 - INSTALL DECORATIVE CONCRETE SURFACE TREATMENT.
 - INSTALL 4" WIDE, YELLOW, PAINT LINE.
 - INSTALL REGULATORY SIGN.
 - LAWN RESTORATION.
 - INSTALL LOW FENCING.
 - SCORED/TEXTURED CONCRETE CENTER.
 - SCORED MOUNTABLE CONC APRON.

NOTE: LOCATION OF RELOCATED SITE FURNITURE, BENCHES, BIKE RACKS, WASTE RECEPTACLE, DOG WASTE DISPENSER AND DRINKING FOUNTAIN TBD AT 60% DESIGN.

- LEGEND**
- PROPOSED SIGN
 - CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
 - HMA TRAIL OR PAVEMENT
 - DETECTABLE WARNING SURFACE
 - CEMENT CONCRETE TRAIL



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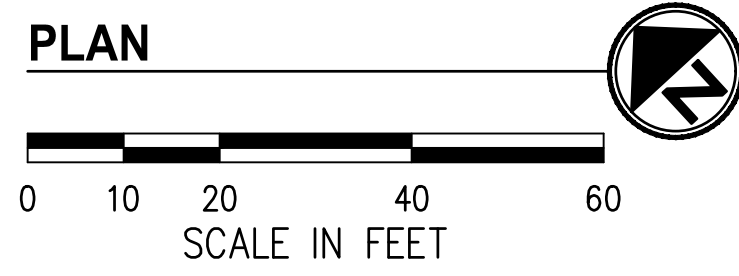
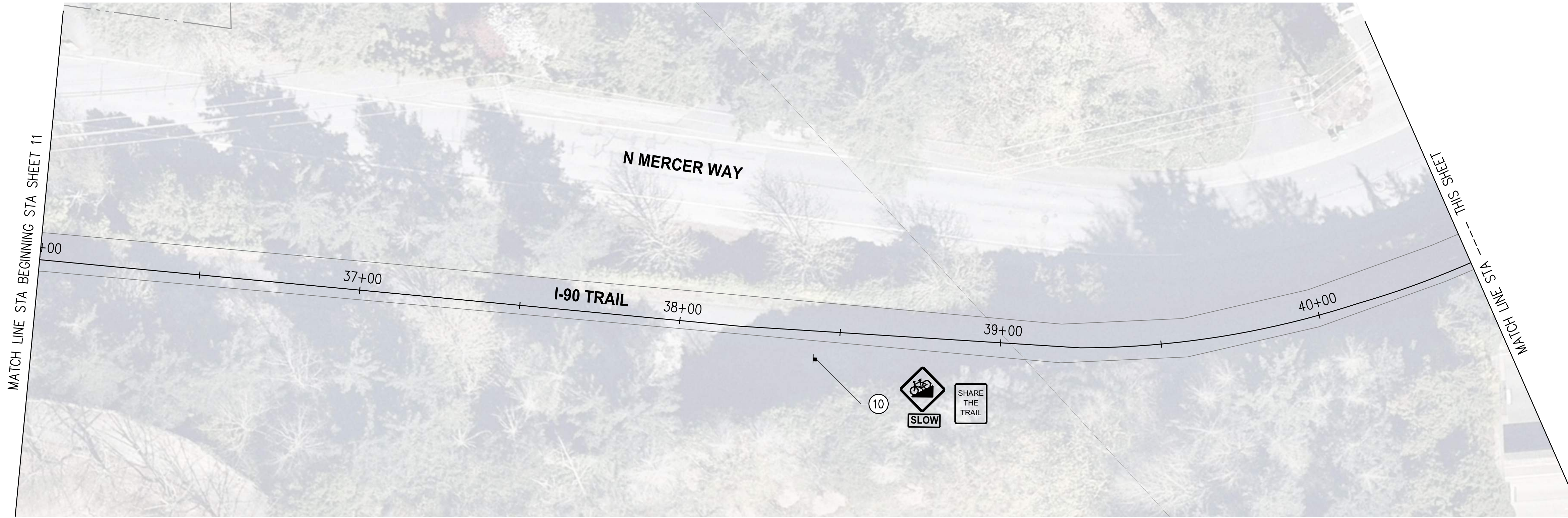
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

**TRAIL IMPROVEMENT PLANS
STA 27+00 TO STA 36+00**

KPG PROJECT No. 21098 SHT 11 OF 14

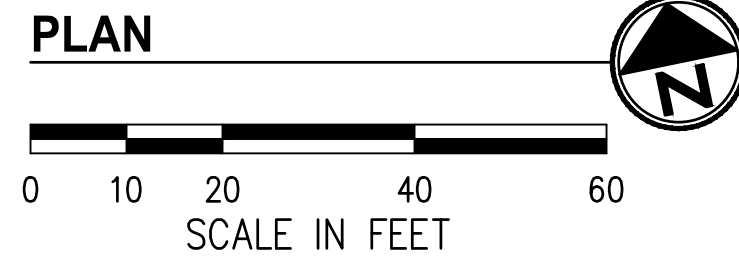
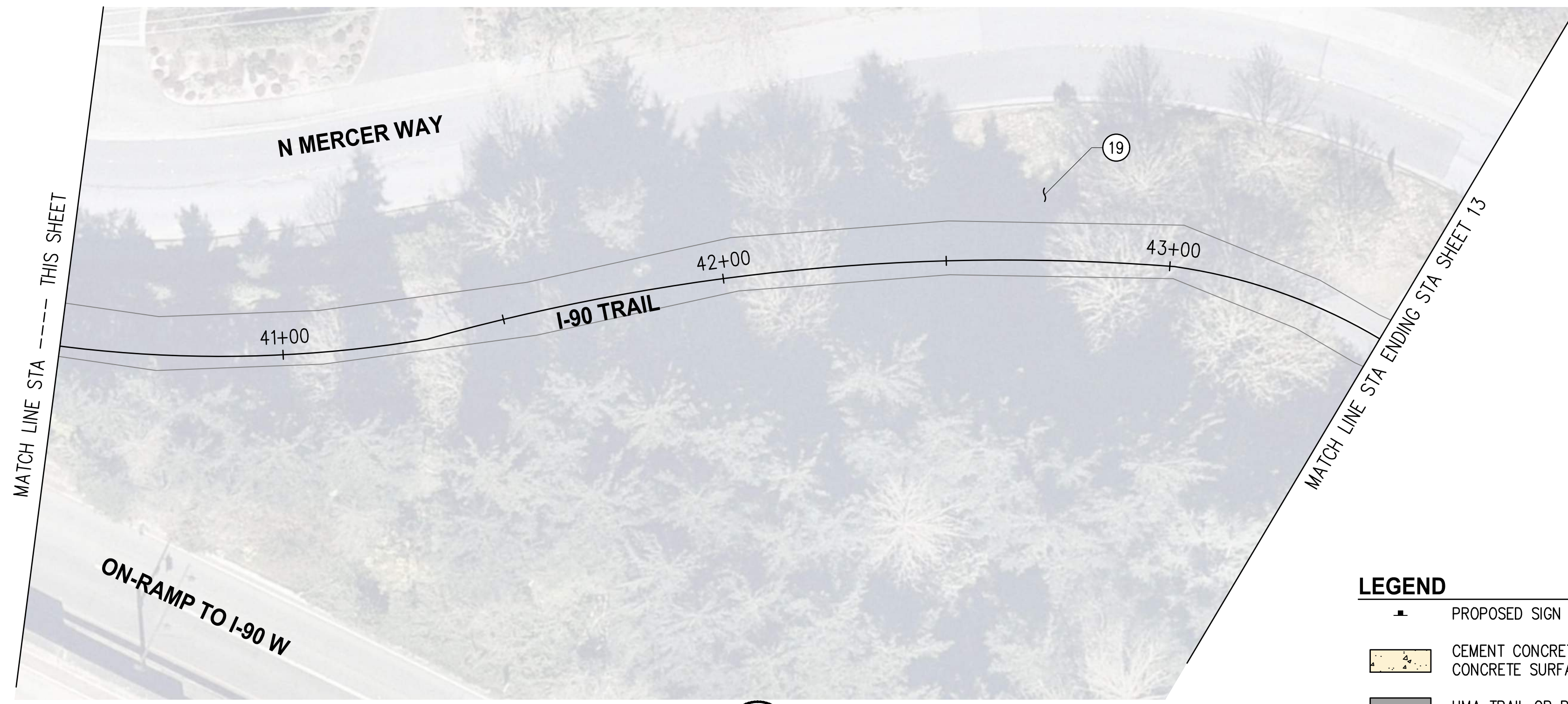


GENERAL NOTES

- CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

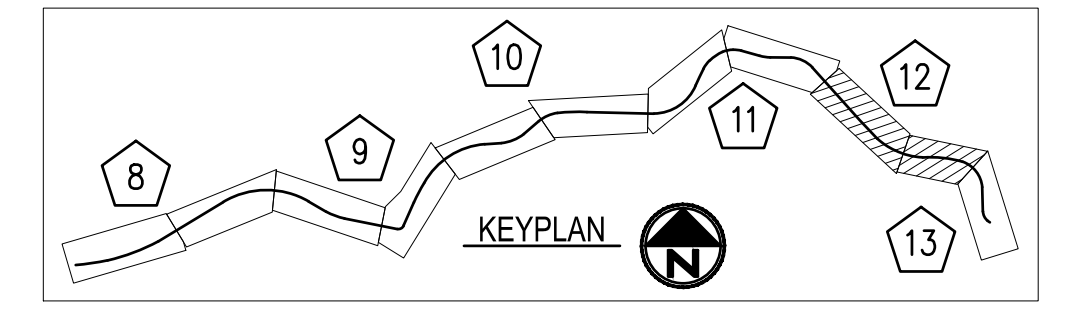
CONSTRUCTION NOTES

- ⑩ INSTALL REGULATORY SIGN.
- ⑲ LOCATE EXISTING TRAIL CONNECTION. EXISTING VEGETATION SHALL BE TRIMMED, PRUNED, OR CLEARED FOR SIGHT DISTANCES ON I-90 TRAIL PER DIRECTION OF ENGINEER.



LEGEND

- PROPOSED SIGN
- CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
- HMA TRAIL OR PAVEMENT
- DETECTABLE WARNING SURFACE
- CEMENT CONCRETE TRAIL



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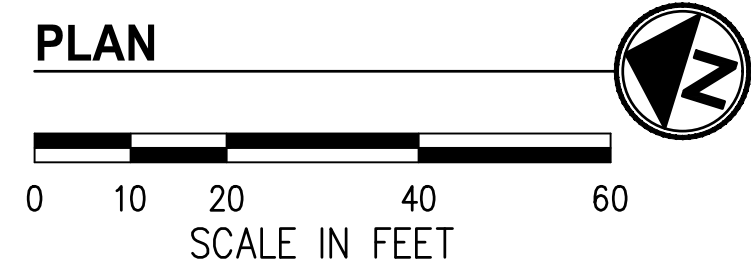
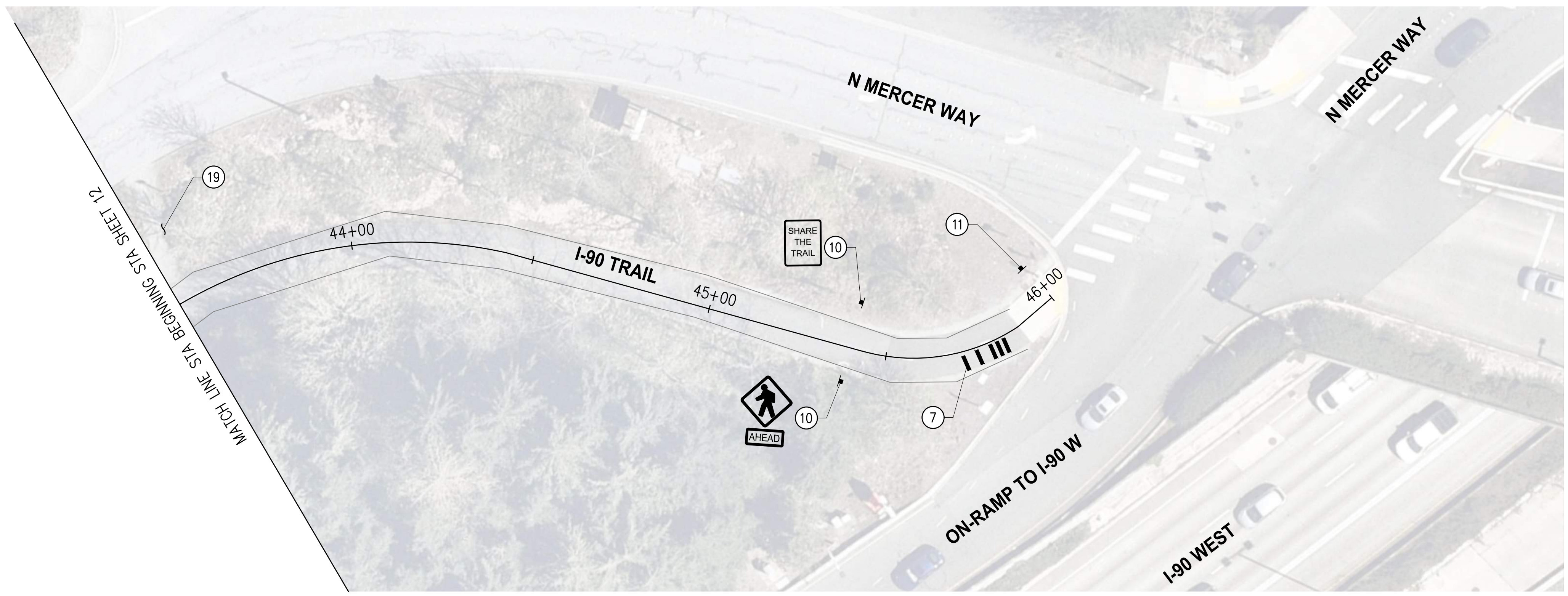
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**CITY OF MERCER ISLAND
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 TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 36+00 TO STA 43+50	
KPG PROJECT No. 21098	SHT <u>12</u> OF <u>14</u>




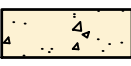



GENERAL NOTES

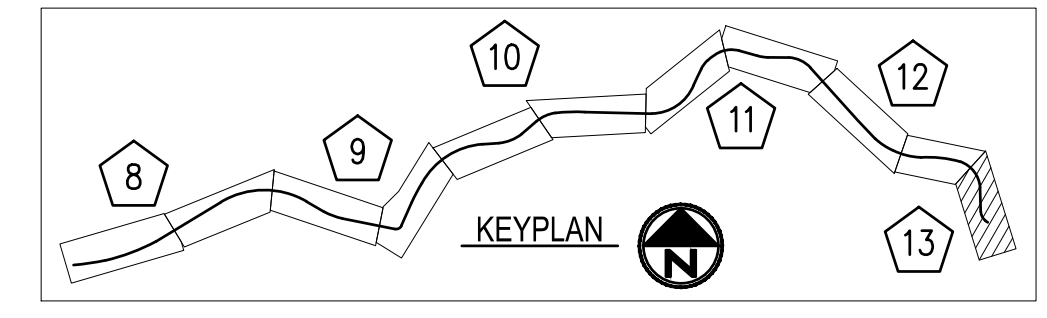
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2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

CONSTRUCTION NOTES

- 7) INSTALL PAINTED BAR PER DETAIL, SHEET 14.
- 10) INSTALL REGULATORY SIGN.
- 11) INSTALL WAYFINDING SIGN.
- 19) LOCATE EXISTING TRAIL CONNECTION. EXISTING VEGETATION SHALL BE TRIMMED, PRUNED, OR CLEARED FOR SIGHT DISTANCES ON I-90 TRAIL PER DIRECTION OF ENGINEER.

LEGEND

-  PROPOSED SIGN
-  CEMENT CONCRETE TRAIL WITH DECORATIVE CONCRETE SURFACE TREATMENT
-  HMA TRAIL OR PAVEMENT
-  DETECTABLE WARNING SURFACE
-  CEMENT CONCRETE TRAIL



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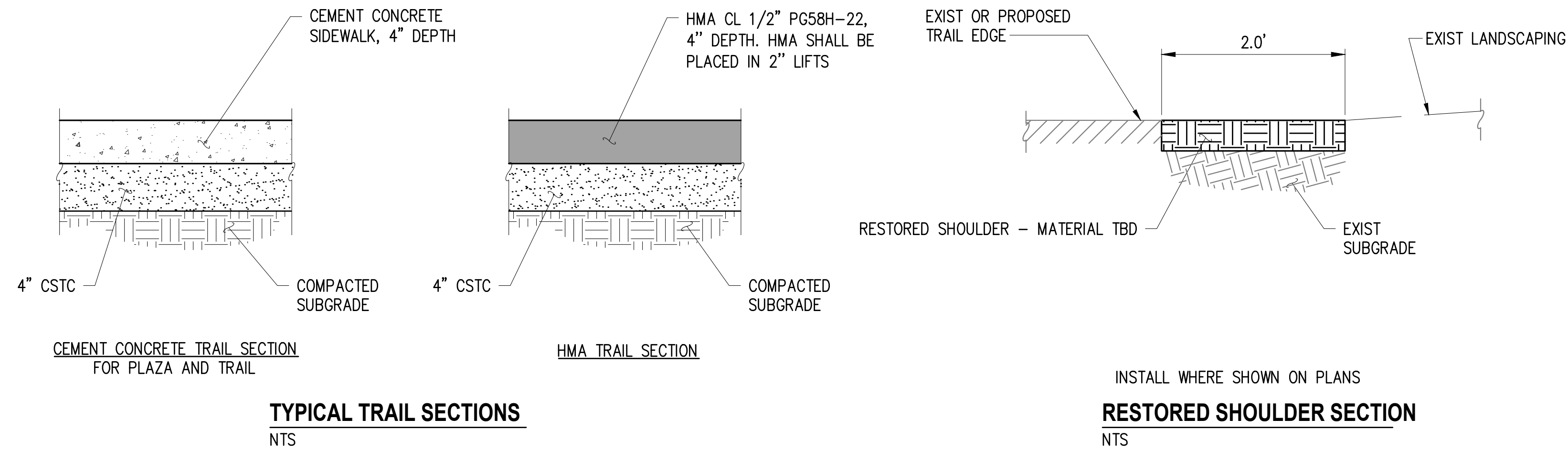
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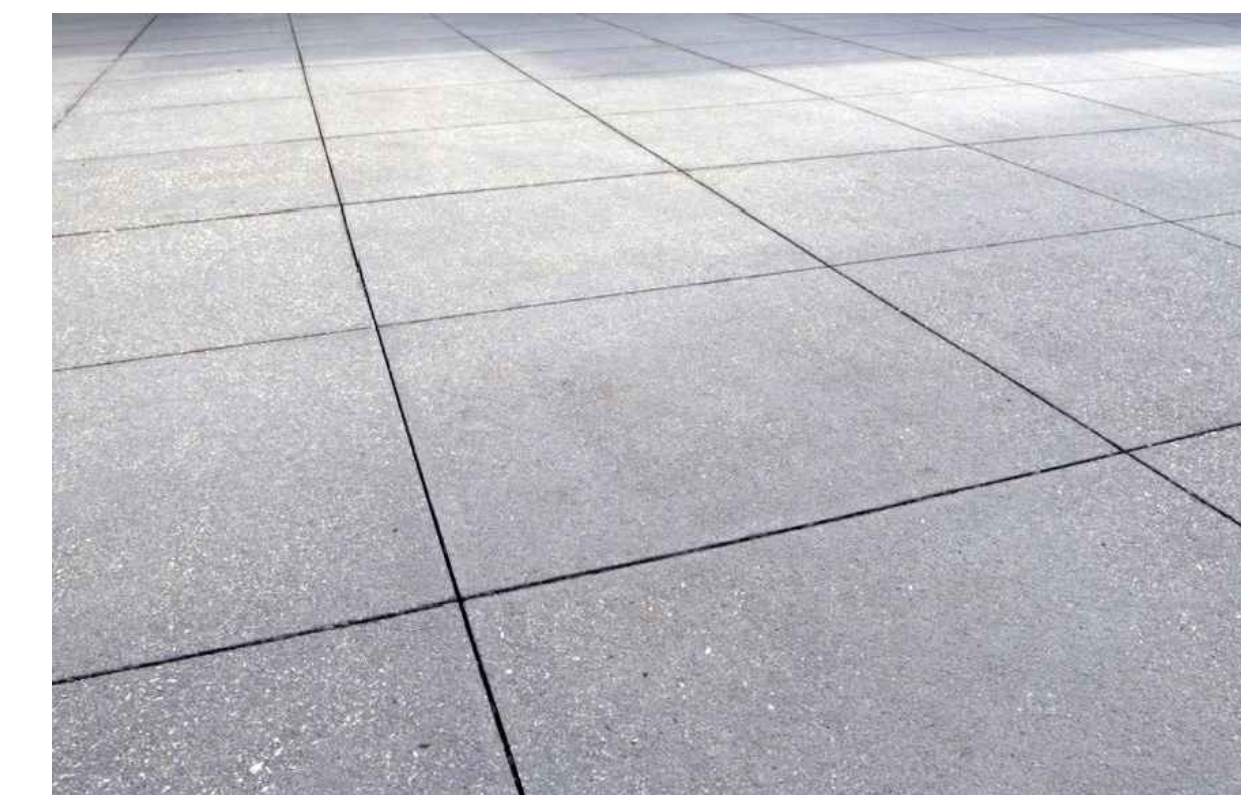
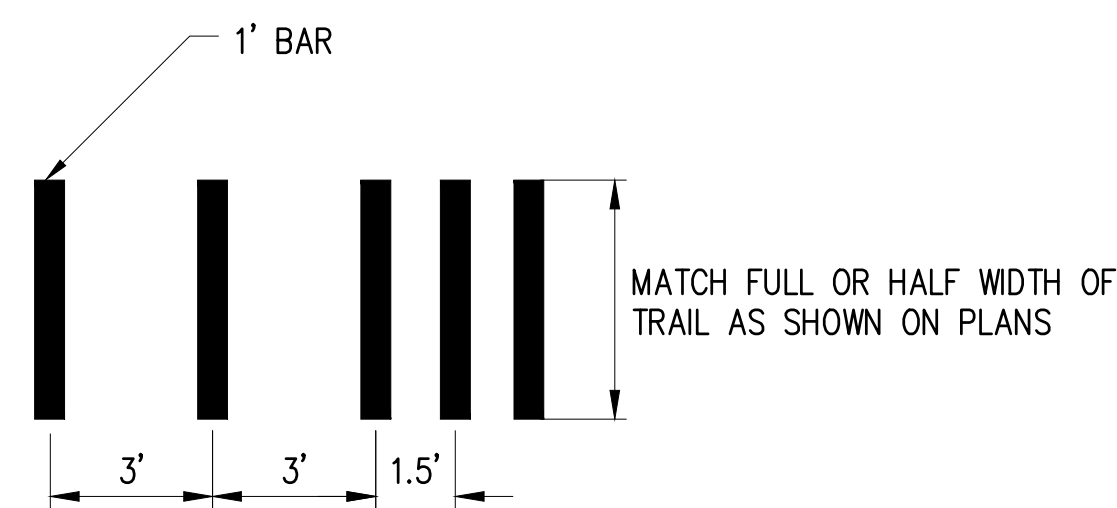
**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 43+50 TO STA 46+00	
KPG PROJECT No. 21098	SHT <u>13</u> OF <u>14</u>



TYPICAL SECTION GENERAL NOTES

1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
2. ADDITIONAL FILL MATERIAL REQUIRED FOR CONSTRUCTION SHALL BE APPROVED CRUSHED ROCK WHEN REQUIRED BY ENGINEER. FILL MATERIAL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
3. IF UNSUITABLE FOUNDATION IS ENCOUNTERED, THE CONTRACTOR SHALL CAREFULLY OVER EXCAVATE TO A MAXIMUM DEPTH OF 1.0' AND REPLACE WITH CRUSHED ROCK AS DIRECTED BY ENGINEER.
4. MAXIMUM COMPACTED HMA LIFT THICKNESS SHALL NOT EXCEED 0.17'.
5. ALL PAVEMENT SHALL BE CUT BY SAW CUTTING FULL DEPTH IN A NEAT VERTICAL LINE PRIOR TO REMOVING. ANY DAMAGE TO ADJACENT PAVEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.



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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT DETAILS	
KPG PROJECT No. 21098	SHT <u>14</u> OF <u>14</u>



**PARKS AND RECREATION COMMISSION
CITY OF MERCER ISLAND, WASHINGTON**

9611 SE 36th Street | Mercer Island, WA 98040-3732
(206) 275-7793 | www.mercerisland.gov

DATE: January 5, 2023

TO: Mercer Island City Council

FROM: Parks and Recreation Commission
Jodi McCarthy, Chair, Peter Struck, Vice Chair, Don Cohen, Paul Burstein, Sara Marxen,
Rory Westberg, Ashley Hay

SUBJECT: Recommendation on Aubrey Davis Park Trail Safety Improvements 30% Design

The Mercer Island Parks and Recreation Commission (PRC) presents our recommendation on the Aubrey Davis Park Trail Safety Improvements 30% Design.

Summary Recommendation:

Our recommendation is to proceed to a 60% Design phase with further review by the Parks and Recreation Commission at the conclusion of that phase.

The PRC commenced review of this matter on April 7, 2022 and discussed the topic over four meetings. The project design team collected public input through a virtual open house held on February 17, 2022 and an online survey conducted from February 17 to March 17, 2022 as well as public comments received via the project page on Let's Talk. The open house was attended by 24 people, and survey responses were received from 86 participants. This input was presented to the PRC for consideration at the outset of its deliberations.

The 30% Design includes a roundabout, low fencing, signage and pavement markings at trail intersections throughout the Lid Park. It also provides additional trail modifications in the ballfield/restroom area that will reduce speeds, channelize cross-trail traffic and alert all users to the "mixing zone" they are entering.

Project Priorities:

The design prioritizes improvements that will directly enhance trail safety and focuses major improvements at the ballfield/restroom area, which is a critical area of concern.

Focus on safety

The PRC initially considered a suite of improvements that were collected from public input. With the limited budget, the PRC chose to prioritize improvements that would directly enhance

safety. The utility of other improvements such as benches, kiosks, and pull-out areas was not as clear.

Focus on the ballfield/restroom area

The initial design included substantial improvements at the West Mercer Way crossing. The PRC concluded that these improvements, while potentially useful, were not as critical to trail safety as the improvements proposed for the ballfield/restroom area. The PRC concluded that the project should focus trail improvements there. Particularly, the importance of a roundabout at the entrance to this area was identified as key to controlling traffic flow before trail users enter the mixing zone at the ballfield. ~~Additional analysis is needed to determine the exact composition and configuration of the roundabout.~~ Using concrete pavement to better define the restroom mixing zone will also further signal the need to be alert to the areas where park users enter the trail. Installation of low-level fencing will channel pedestrians to marked crossings and improve predictability for pedestrians and cyclists.

Stay within the available budget Anticipated Budget & Funding Sources

The Consultant's initial estimate included three schedules totaling nearly \$783,000 for all three schedules. With the refinements noted above, the current construction estimate for the recommended 30% Design is \$510,000 which will exceed the current budget for this project. ~~exceeds the available construction budget of \$350,000 by approximately \$25,000.~~ The PRC is pleased that this 30% Design has incorporated safety elements from multiple schedules. The PRC recommends moving forward with this scope of work, as the design achieves the goals of the project, and the estimate is a planning-level estimate that is likely to change when the project is publicly bid for construction.

The PRC recommends staff pursue additional funding sources such as grants (if available) to help cover the anticipated construction budget shortfall. Given the importance of this project and improvements proposed for this project, the PRC recommends that staff seek Council appropriation from the Capital Improvement Fund during the construction award for the remaining construction budget needs.

Other Considerations:

On June 2, the PRC and the Mercer Island Arts Council held a joint meeting and discussed opportunities to integrate art and/or placemaking elements into the project that would be consistent with the Aubrey Davis Park Master Plan. The PRC understands that placemaking elements incorporated into the trail could foster more considerate behaviors among trail users but also wants any features to be compatible with the park's natural landscape, including employing judicious selection of themes and colors. These recommendations will be transmitted to the Arts Council to further inform their discussions of how to use the project's 1% for Art in Public Places contribution (approximately \$3,500).

Conclusion:

The PRC believes the 30% Design provides much-needed improvements and that some elements of the design require further review in the next phase of design. These elements include:

- Refining the design of the roundabout
- Consider adding lighting in the roundabout area

- Number, placement and wording of signs
- Safety, effectiveness and placement of Thermoplastic striping

We look forward to seeing this project advance to 60% Design and request the opportunity to provide our recommendation at the completion of that phase.

EDITED

Question	Commenter	Topic	Comment	Response
1	Hay	Signs	How is it determined which signs are absolutely necessary in the park/along the trail?	Sign type and placement will be recommended per established best practice guidelines, such as MUTCD, AASHTO and NACTO. WSDOT, as facility owner, has final approval authority for design. This design is an iterative process and discussion/decisions on final sign needs and placement will be discussed with the design team, City staff, WSDOT and the PRC.
2	Hay	Signs	Is there a Washington State Law which gives us guidance on this topic? Or any sort of Best Practices document for trails?	Design standards such as MUTCD, AASHTO and NACTO are utilized by the engineer of record when designing a project like this.
3	Hay	Signs	Who decided the type, quantity and placement of signs we are seeing on this 30% design?	The design team proposed the type, quantity and placement of the signage based on discussions with WSDOT, the City and best practices. These sign numbers/choices will be refined as the design moves into 60% and a preferred option is selected.
4	Hay	Signs	At what point in the design process would the type, quantity and placement/location of signs be determined?	The initial sign placement was established in the 30% design phase. A sign schedule will be worked out in more complete detail in the 60% design phase. Final details for signs will be completed in 90% and 100% design phases with feedback from WSDOT and the City.
5	Hay	Signs	Considering only the straight path (not including the side path) - there are 15 signs in Option 1 and 14 signs in Option 2. The signs appear evenly spaced. The proposed designs have a sign every ~7 to 7.5 feet. I question if it would be possible for a cyclist to actually read the signs when placed this close together.	The design team has not had a chance to analyze final sign placement, but generally they are shown in both options about 40'-80'+ apart. The design team will analyze the quantity and placement of signage during 60% design, with input from WSDOT, and according to established best practices. Most likely the number will be reduced and the options shown are a first cut on what might be necessary.
6	Cohen	Roundabout	Will we be discussing illumination?	Illumination will be discussed in the 60% design. It has been repeatedly suggested by many people in the early design process. Staff has included it in the budget for design and construction.
7	Cohen	Signs	Will we be discussing WSDOT's comment about pavement versus signage and sign clutter?	Staff will present this comment and recommend that WSDOT's suggestion be incorporated in the 60% design phase.

8	Community	Roundabout	What are the proposals to reduce impervious surfaces in other places as noted in staff's report along the rest of the trail to offset the 34% increase in impervious surface from the roundabout?	Staff has not requested that the consultant identify these locations. Following direction from the PRC, staff will look to identify potential locations and return to the PRC to discuss where these modifications could be made. Option 1 increases impervious surface by 812 square feet over the current condition and 500 square feet over Option 2. Staff previously identified approximately 900 square feet of pavement that could be removed next to the West Mercer Way on-ramp in an earlier design phase.
9	Community	Roundabout	Has WSDOT stated that either a 14' or 12' width for the shared use part of the roundabout is acceptable, if not preferable?	No. WSDOT has only stated that it's preference is for the 14' width.
10	Community	Roundabout	Can the shoulder or center diameter width be reduced to reduce impervious surface?	The center diameter was set based on the need for deflection to achieve a reduction in speed. The shoulder treatment can be considered in 60% design, but the width is being maintained for maneuverability per WSDOT and current design standards.
11	Community	Roundabout	Is the new cost of \$510,000 exclusive of the \$122,000 paid to the consultant. What is the total estimated budget for this project at this time including all outside consultant costs? Where will the additional funding come from?	The \$510,000 construction cost is exclusive of the \$122,000 consultant agreement. Total project budget estimate is now \$751,000. Staff will be seeking additional outside funding to cover the added costs of design and construction. This project could be a strong candidate for several grant programs.
12	Community	Roundabout	What is the outside consultants total estimated fee today?	The consultant's agreement now totals \$171,000, which is 23% of the total project.
13	Community	Roundabout	Will this new 30% proposed design be shown to the citizens to get their feedback before asking for council approval?	This design proposal will be subject to public review as a regular business item in a future City Council meeting. It will not have a separate process like an open house.

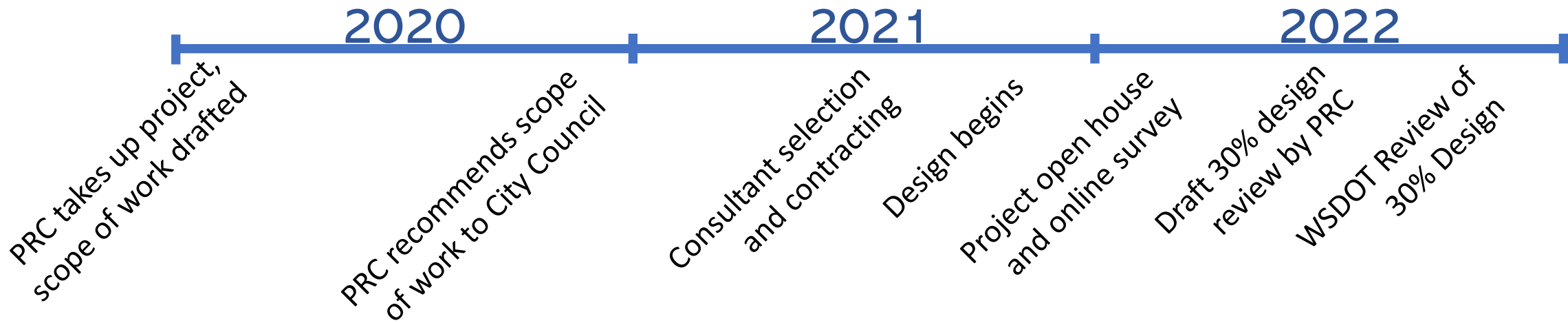
Aubrey Davis Park Trail Safety Improvements 30% Design Recommendation



Mercer Island Parks and Recreation Commission

January 5, 2023

Timeline Review

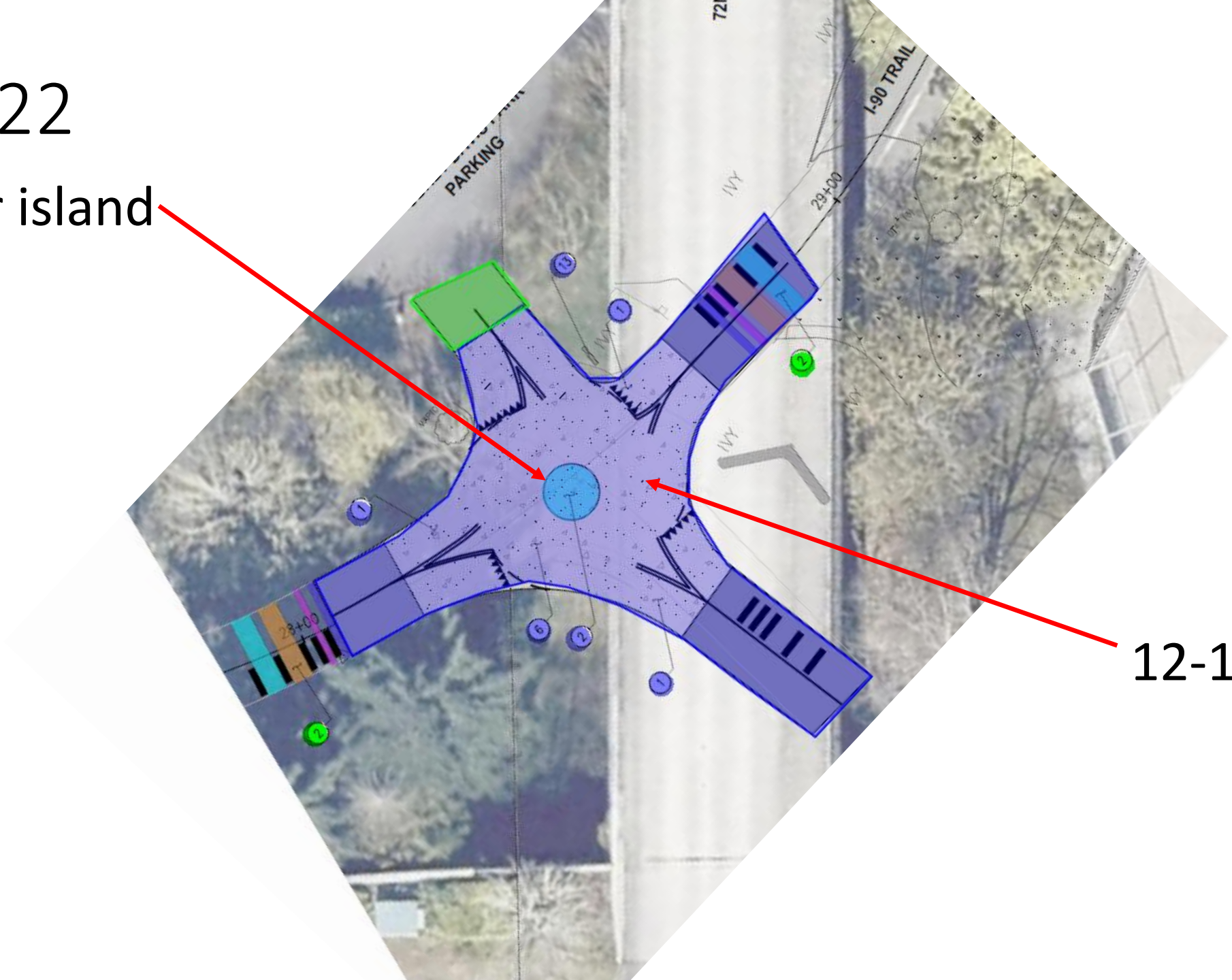


Timeline Review – The Roundabout

- June 2022: First draft of 30% design
- July 2022: Revised 30% design; center island enlarged with planted center to encourage additional traffic calming
- September 2022: 30% second revision; circular path width increased to 10 feet, center island returned to textured paved surface

June 2022

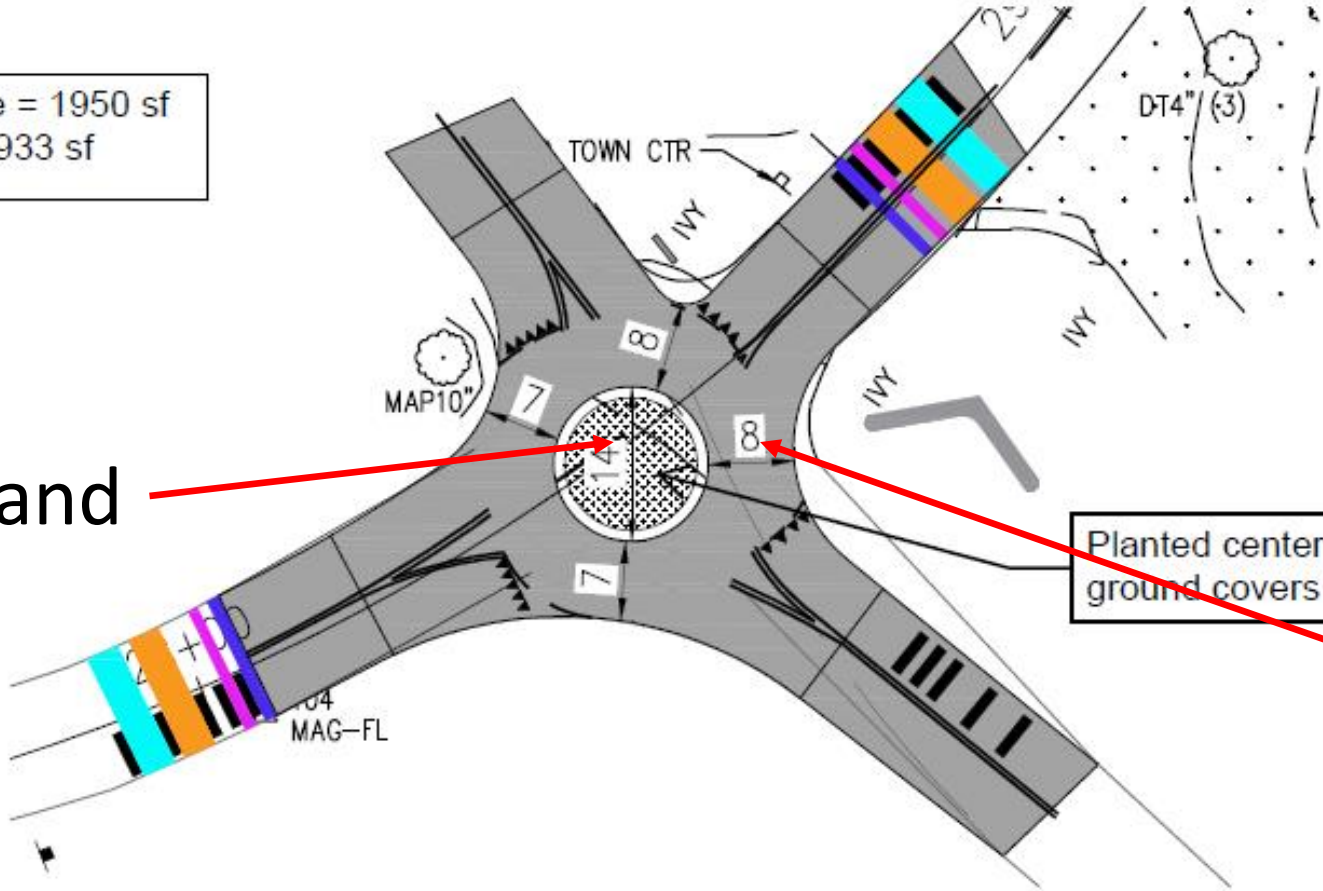
8' diameter island



12-13' trail

July 2022

Total removed hard surface = 1950 sf
Total new hard surface = 1933 sf



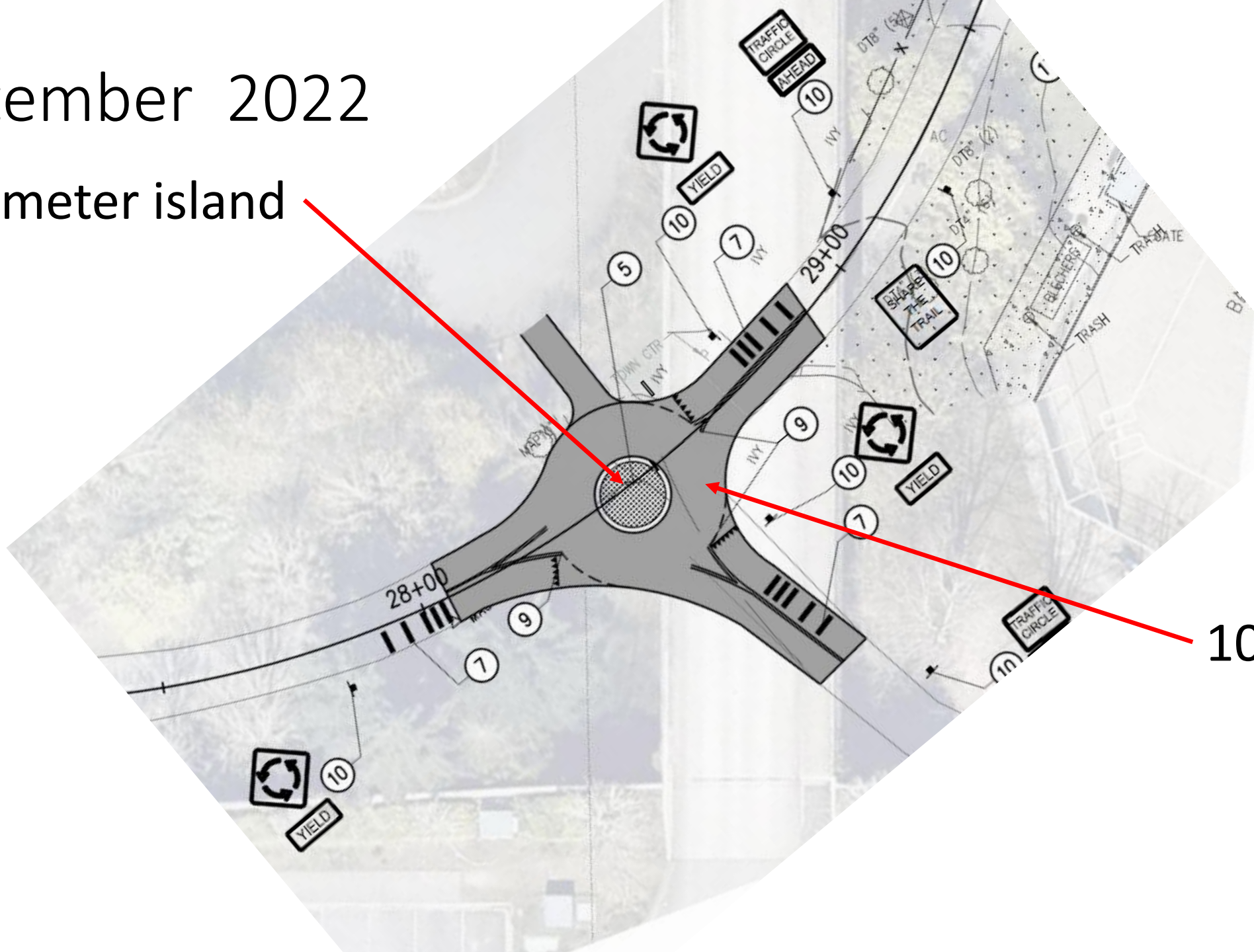
Planted center circle. low ground covers <3' height

14' diameter island

7-8' trail

September 2022

14' diameter island



10' trail

WSDOT review meetings

- Roundabout Design
- Signs and Striping
- Plaza Area



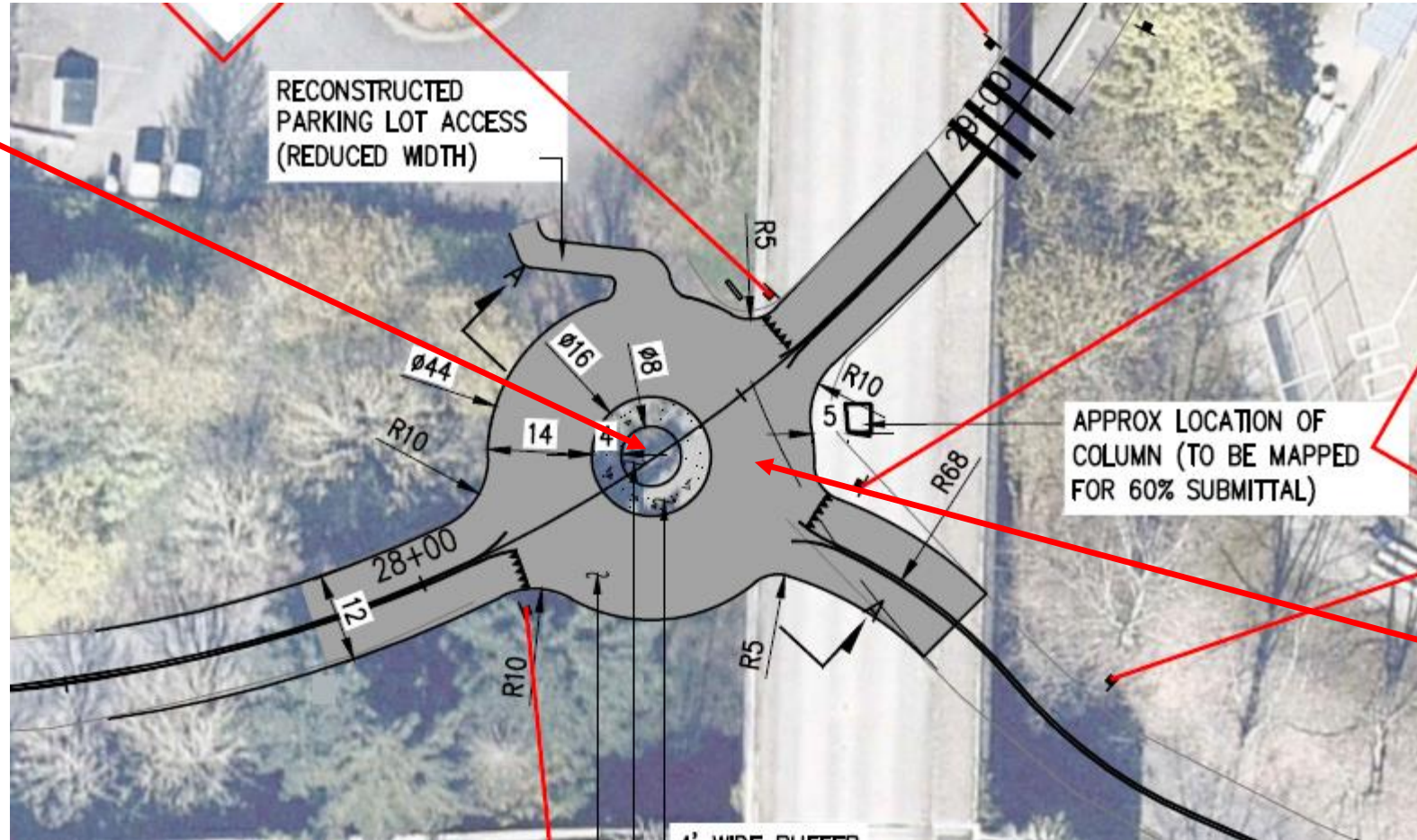






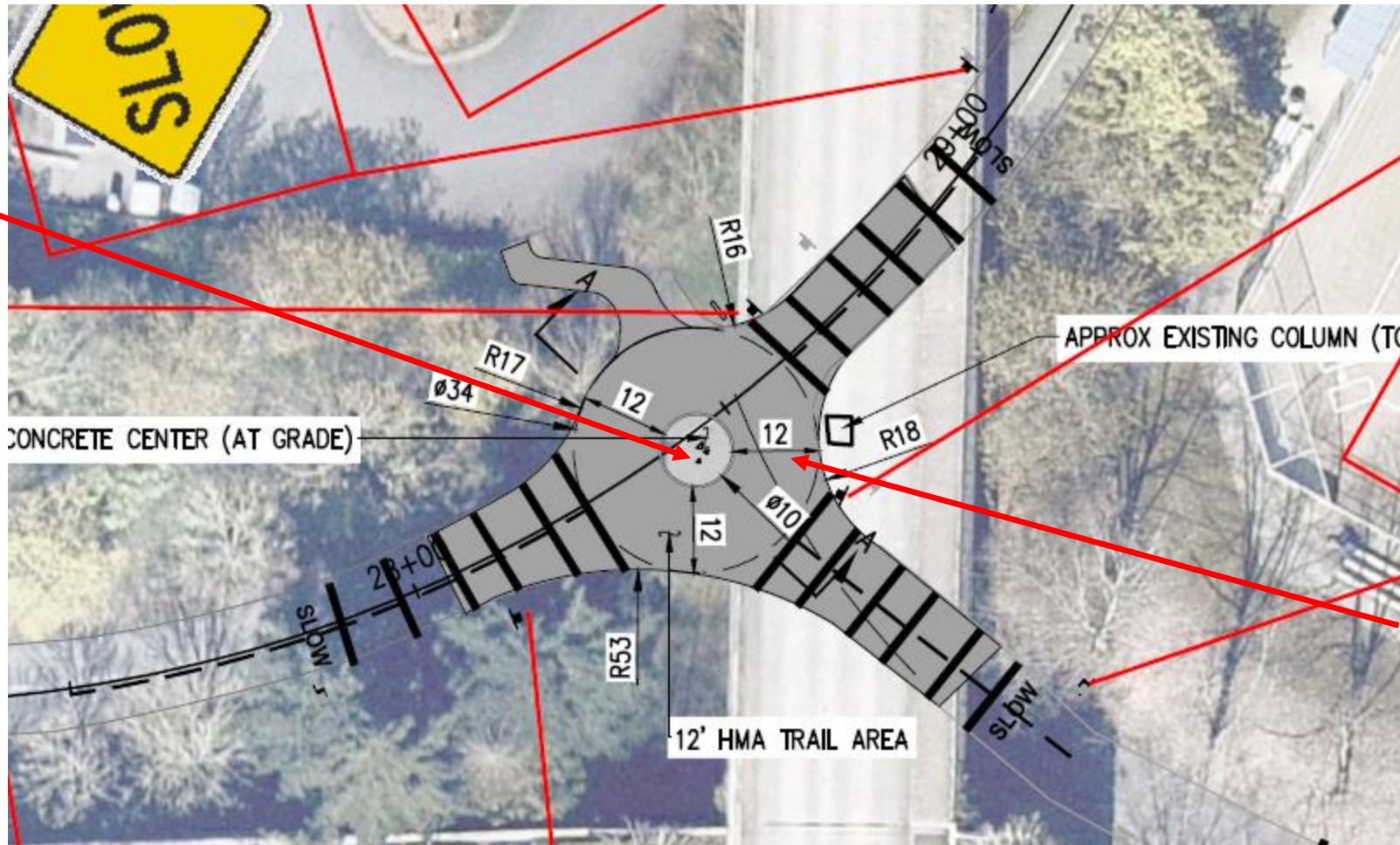
Jan 2022 Option 1

12' diameter island



Jan 2022 Option 2

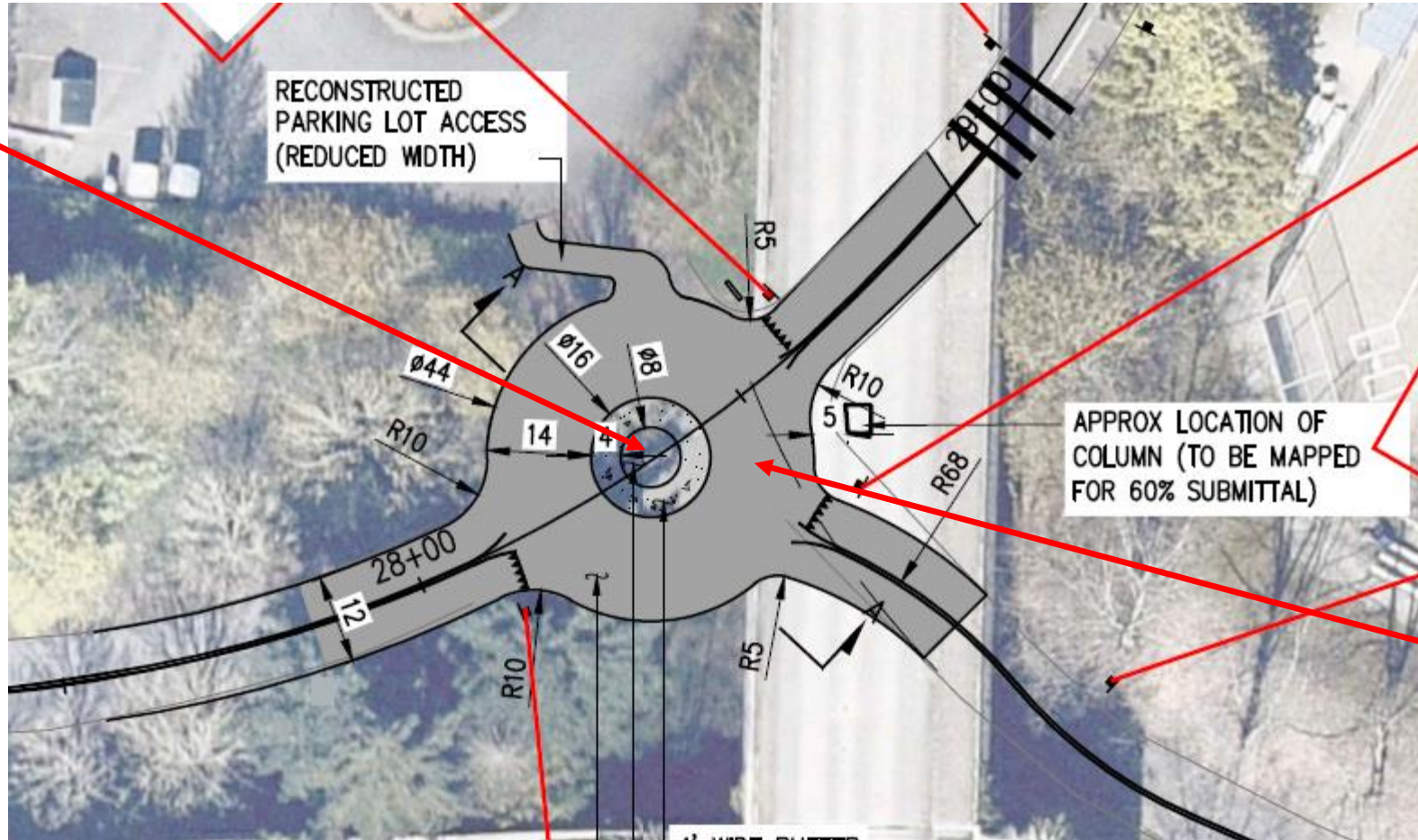
10' diameter island



12' trail

Jan 2022 Option 1

12' diameter island



14' trail

	Size of Paved Area	Percentage Increase From Existing	Percentage Difference from Option 2
Option 1: 44' Roundabout	2669 square feet	+34%	+23%
Option 2: 34' Roundabout	2169 square feet	+16%	0



Parks & Recreation Commission

2023 Planning Schedule

1st Thursday of Month- Regular Meetings

Updated: 12/30/22



Date	Meeting Type	Agenda Item
5-Jan	Regular	ADTS Improvement Project 30% Design Recommendation
		Bike Skills Are Conceptual Design Update
2-Feb	Regular	2023 CIP Projects Update
2-Mar	Regular	Mercer Island Library- Annual Update
		2022 Recreation Division Annual Report
		Mercerdale/Groveland & Clarke Master Plan Kick-off
		Recreation Facility Naming Policy
April (TBD)	Regular	Recreation Facility Naming Policy (Cont.)
4-May	Regular	Recreation Sponsorship Policy
		Recreation Policy Implementation Status Update (Memo)
1-Jun	Regular	Chair/Vice-Chair Elections
		Recreation Sponsorship Policy
6-Jul	Regular	Bylaws Review
		Mercerdale/Groveland & Clarke Master
August	No Meetings Summer Break	
7-Sep	Regular	Recreation Scholarship Policy
5-Oct	Regular	Recreation Scholarship Policy (cont.)
		Mercerdale/Groveland & Clarke Master
2-Nov	Regular	
Dec.TBD	Regular	PROS Plan Goals and CIP Progress Update
		Mercerdale/Groveland & Clarke Master

Item Type	Items to be scheduled
Policy	Park Code/Rules Updates- signage in parks, appropriate uses of space, etc. <i>(as needed)</i>
Policy	MICEC Special Events Sponsorship Policy <i>(Dependent on outcomes of currently policy/)</i>
Project	Luther Docks Project <i>(Periodic touch points)</i>
Project	Aubrey Davis Trail Safety Project <i>(Periodic touch points)</i>
Project	Bike Skills Area <i>(Periodic Touch points)</i>

Annual Agenda Items	
KCLS- Mercer Island Branch Operations Update (March)	
Annual PRC Chair/Vice-Chair Elections (May)	
PROS Plan Goals/Implementation Update (June)	
Annual Bylaws Review (July)	
Various CIP Recommendations (TBD)	
Annual Year-End Report	