

# AUBREY DAVIS PARK TRAIL SAFETY IMPROVEMENTS

PARKS & RECREATION + ART COUNCIL COMMISSION MEETING  
30% DESIGN & INTEGRATED PUBLIC ART



**KPG**  
PSOMAS

JUNE 2, 2022

## City of Mercer Island

<b>Paul West</b>	<b>CIP Project Manager</b>
<b>Craig Reynolds</b>	<b>Council Liaison</b>
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<b>Peter Struck</b>	<b>Commission Vice-Chair</b>
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<b>Paul Burstein</b>	<b>Commission Member</b>
<b>Don Cohen</b>	<b>Commission Member</b>
<b>Sara Marxen</b>	<b>Commission Member</b>
<b>Rory Westberg</b>	<b>Commission Member</b>

<b>Elizabeth Mitchell</b>	<b>Chair</b>
<b>Suzanne Skone</b>	<b>Vice Chair</b>
<b>Anumeha</b>	<b>Board Member</b>
<b>Daniel Becker</b>	<b>Board Member</b>
<b>Rachel Blum</b>	<b>Board Member</b>
<b>Jonathan Harrington</b>	<b>Board Member</b>
<b>Rosemary Moore</b>	<b>Board Member</b>

## KPG Psomas

<b>Liz Gibson</b>	<b>Project Manager</b>
<b>Bryce Corrigan</b>	<b>Project Engineer</b>
<b>Phuong Nguyen</b>	<b>Public Engagement &amp; Urban Designer</b>
<b>Coreen Schmidt</b>	<b>Multi-Modal Trail Designer</b>



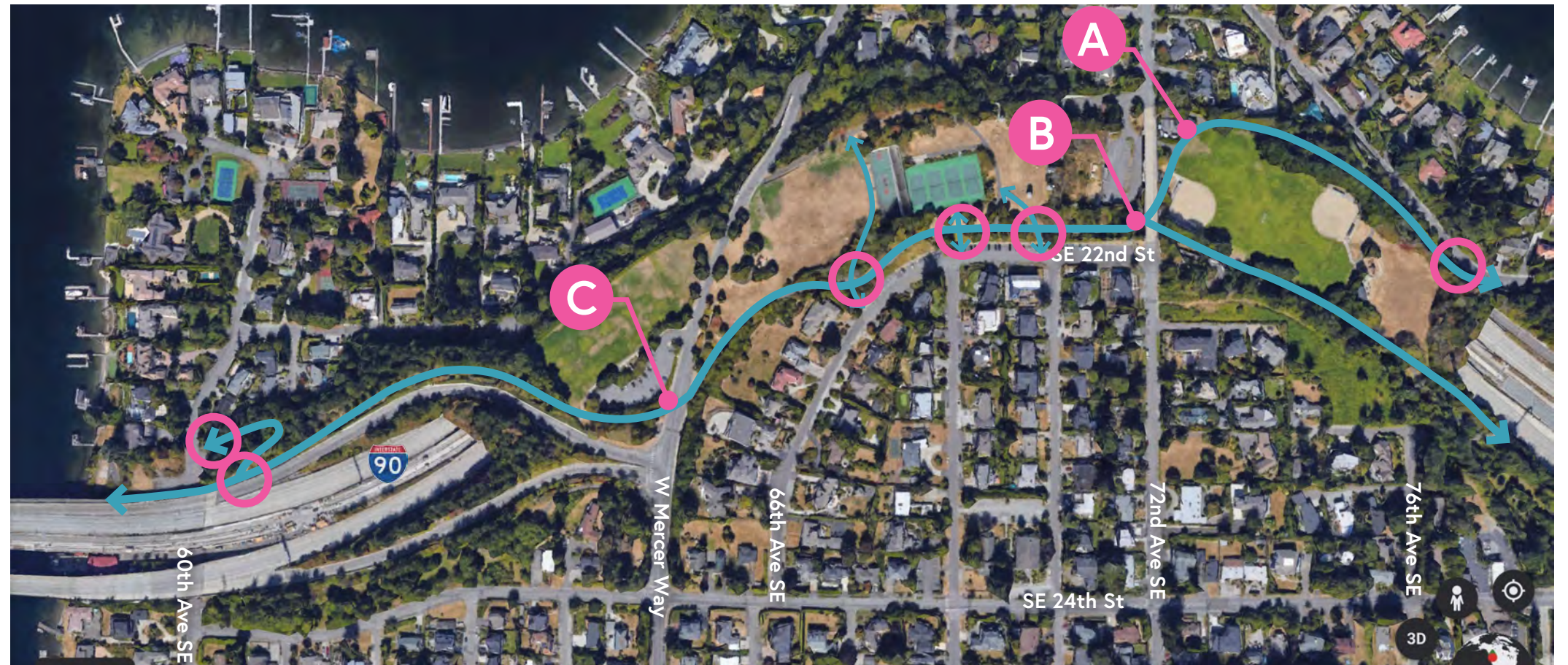
## Project Goals

The goal of this project is to **improve safety** and **create a more enjoyable experience** for **all trail and park users**, while maintaining the existing character of the Aubrey Davis Park. The project improvements will focus primarily on **low-impact approaches** for improvements to a 0.8-mile trail section from 60th Ave SE to 76th Ave SE, along the Mountains to Sound Greenway Trail. One high-priority location for improvements and **placemaking** will be the area near the restrooms, adjacent to the Gary Feroglia playfields.



# Priority Improvement Areas / Overview

- Trail improvements to make pedestrian and bicycle movements safer and more predictable at key locations.
  - Bike traffic-calming measures
  - Removal of existing bollards
- Signage and pavement markings
- Restoring trail shoulders
- Wayfinding signage and markings
  - Signage for bypass routes for high-speed cyclists
- Channeling cross-trail traffic
- Vegetation management for sight distance
- Integrated public art and placemaking elements



A **Restroom Facilities & Playfields Node**

B **Trail Connection under 72nd Ave SE Overpass**

C **W. Mercer Way Trail Crossing**

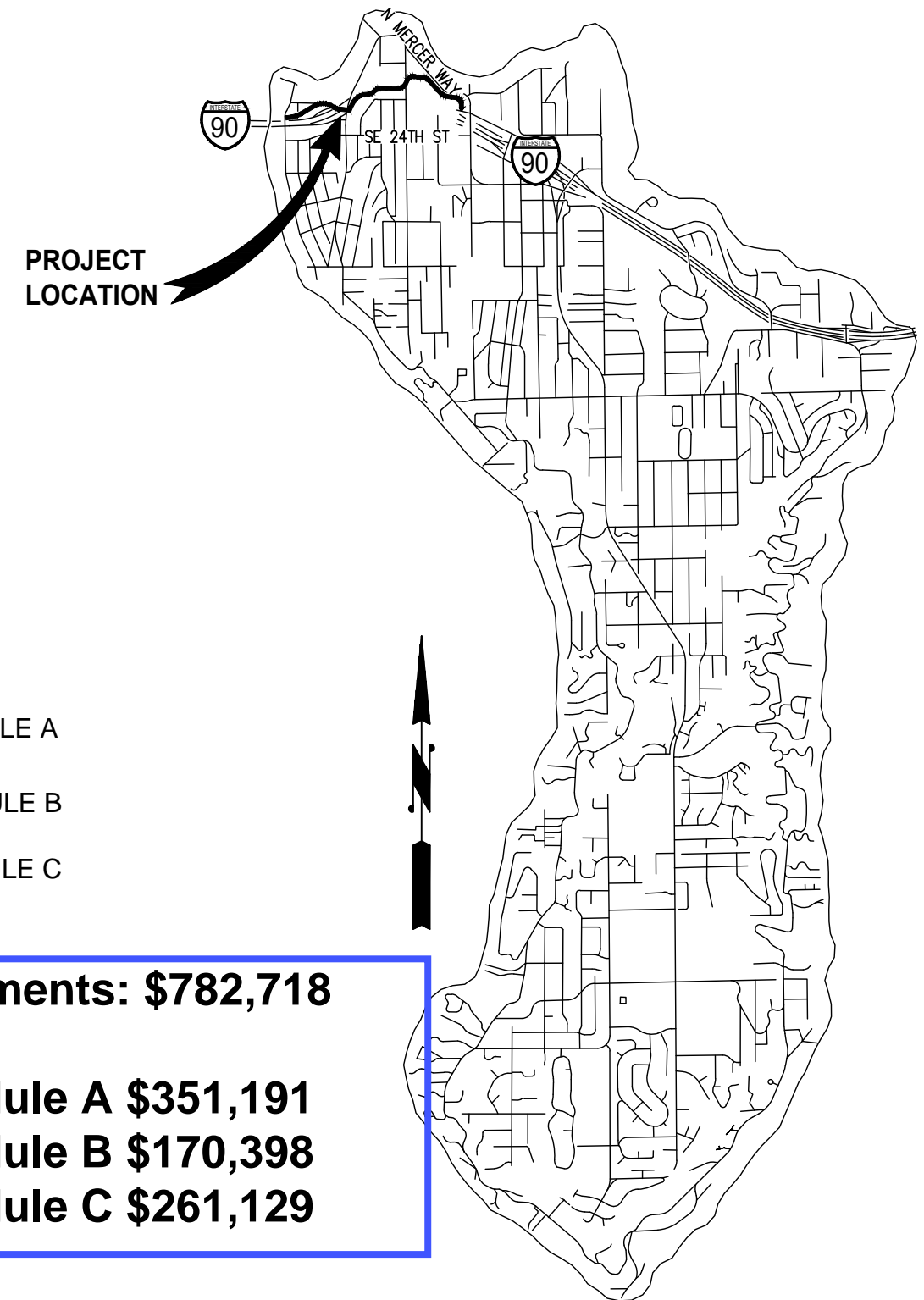
# 30% DESIGN AND CONSTRUCTION COST EVALUATION



# CITY OF MERCER ISLAND

## AUBREY DAVIS PARK TRAIL SAFETY IMPROVEMENTS MAY 2022

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
5-7	TESC AND SITE PREPARATION PLANS
8	TESC AND SITE PREPARATION DETAILS
9-11	TRAIL IMPROVEMENT PLANS
15	TRAIL IMPROVEMENT DETAILS*
16-18	SITE ELEMENT PLANS
19	SITE ELEMENT DETAILS
* 20-22	LANDSCAPE RESTORATION PLANS
* 23-24	LANDSCAPE SCHEDULE AND DETAILS
* 25-27	IRRIGATION RESTORATION PLANS
* 28	IRRIGATION SCHEDULE AND DETAILS
* 29-32	SIGN SCHEDULE AND DETAILS

	SCHEDULE A
	SCHEDULE B
	SCHEDULE C

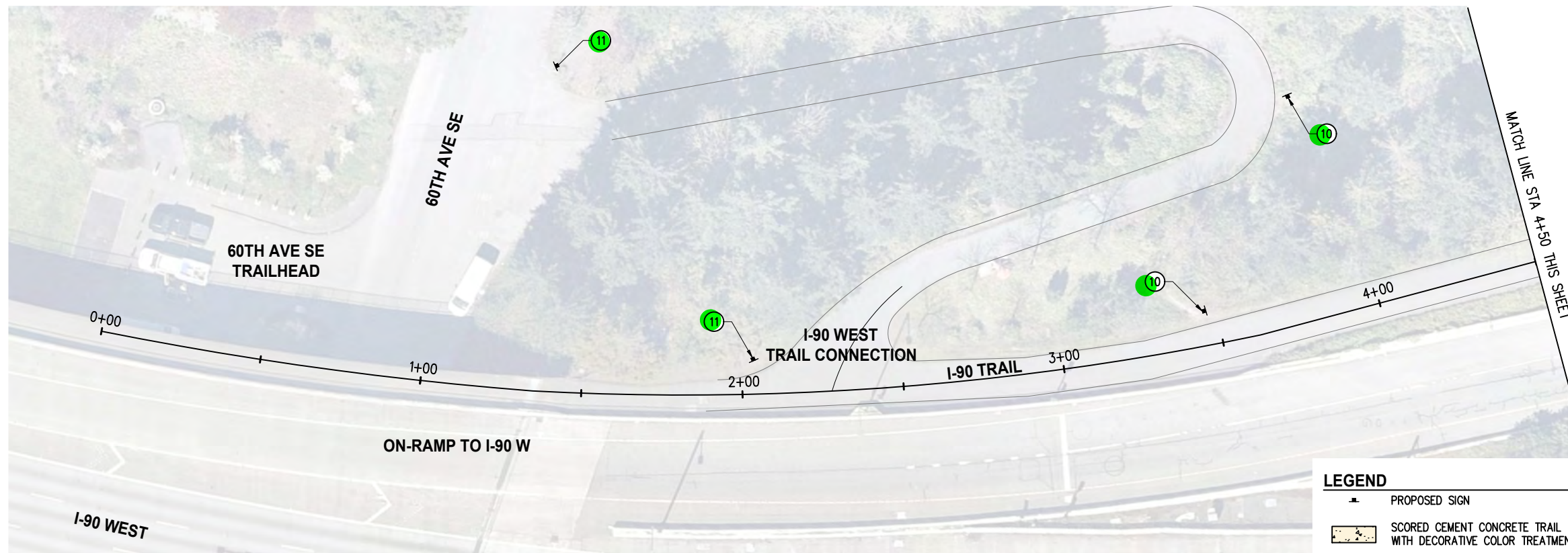
**Total estimated cost of trail improvements: \$782,718**

**Estimated Construction Cost Schedule A \$351,191**  
**Estimated Construction Cost Schedule B \$170,398**  
**Estimated Construction Cost Schedule C \$261,129**

\* THESE SHEETS SCHEDULED FOR 90% SUBMITTAL

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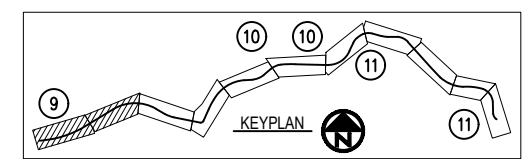
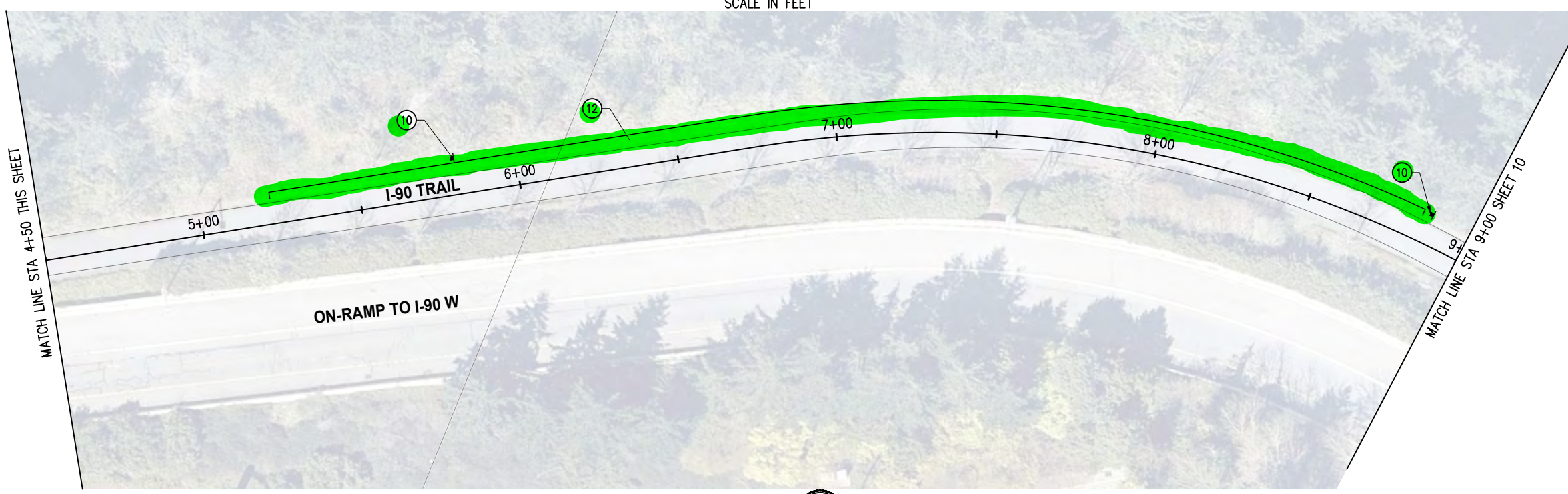


**LEGEND**

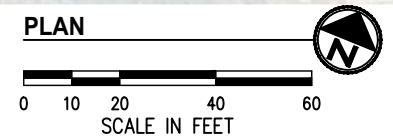
- PROPOSED SIGN
- SCORED CEMENT CONCRETE TRAIL WITH DECORATIVE COLOR TREATMENT
- HMA TRAIL OR PAVEMENT
- DETECTABLE WARNING SURFACE
- CEMENT CONCRETE TRAIL

- GENERAL NOTES**
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAIL USERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
  2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

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SCHEDULE A



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NO.	DATE	BY	APPR.	REVISIONS

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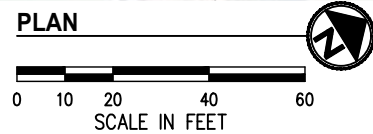
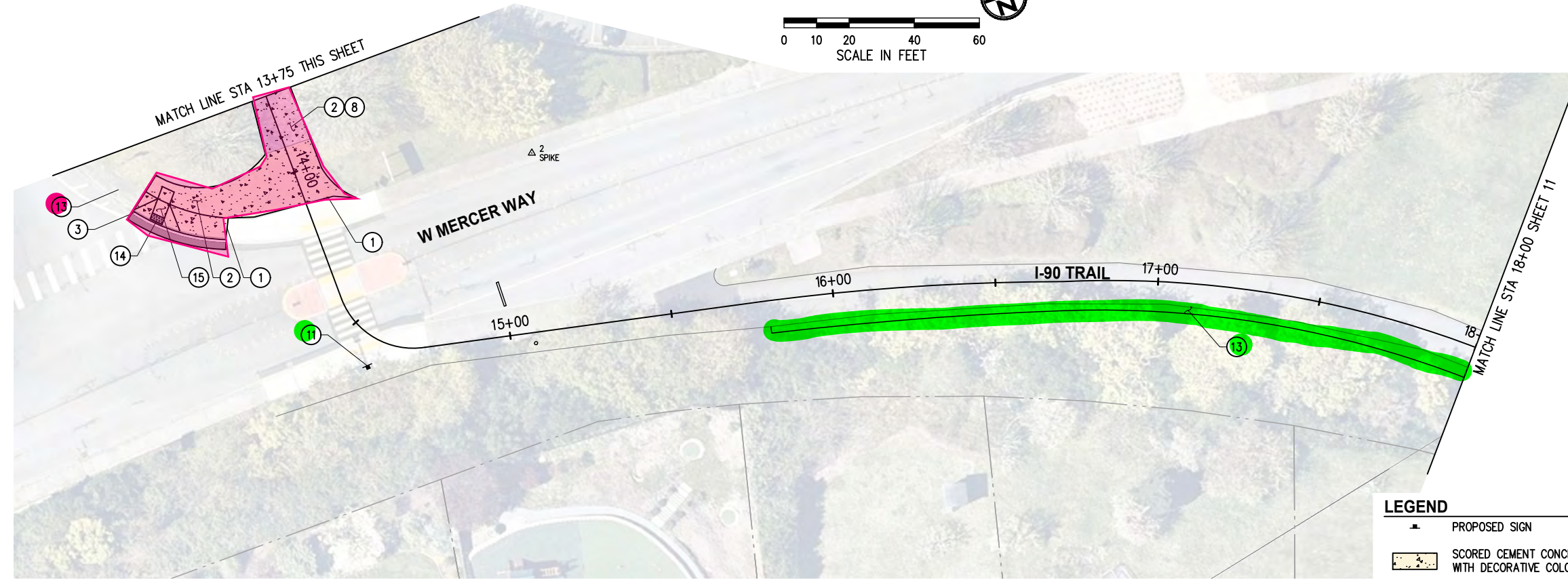
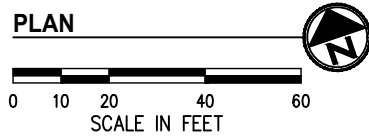
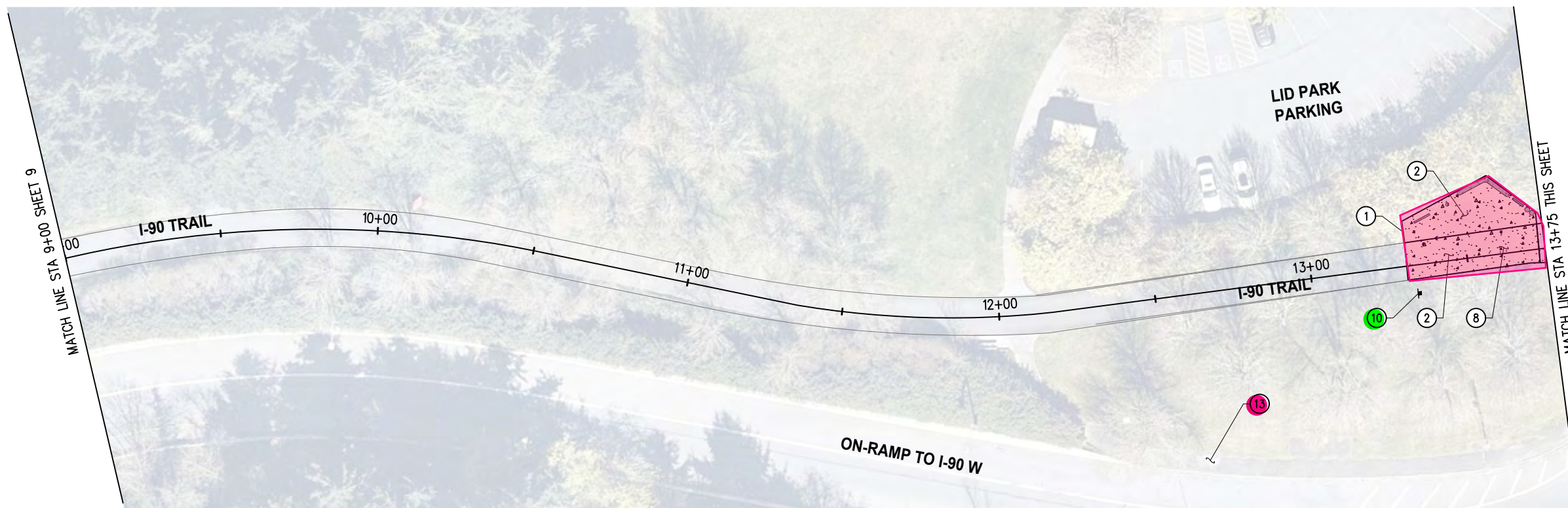
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**CITY OF MERCER ISLAND  
AUBREY DAVIS PARK  
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 0+00 TO STA 9+00	
KPG PROJECT No. 21098	SHT <u>9</u> OF <u>18</u>

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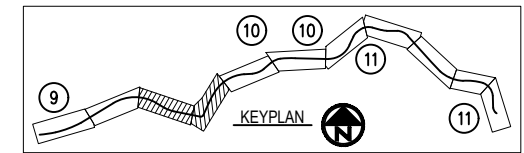


SCHEDULE A

SCHEDULE C

**LEGEND**

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<b>PLAN</b>		0 10 20 40 60 SCALE IN FEET	
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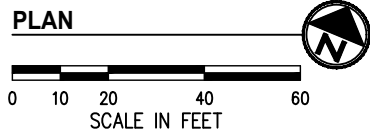
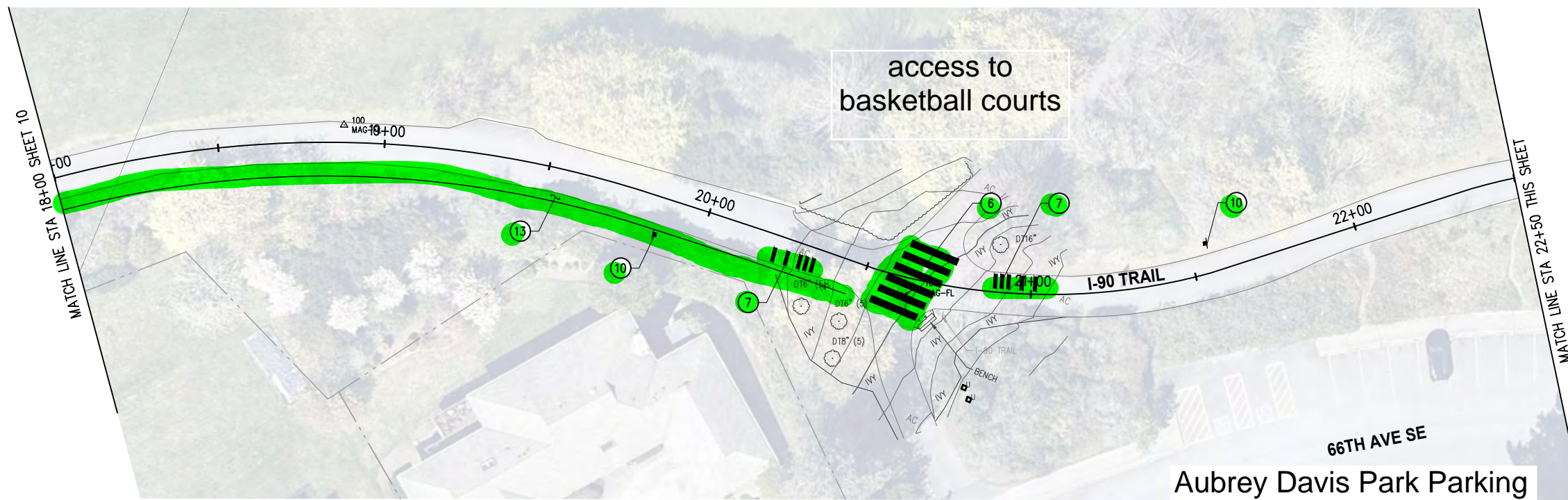


**CITY OF MERCER ISLAND  
AUBREY DAVIS PARK  
TRAIL SAFETY IMPROVEMENTS**

<b>TRAIL IMPROVEMENT PLANS</b>	
STA 9+00 TO STA 18+00	
KPG PROJECT No. 21098	SHT <u>10</u> OF <u>18</u>



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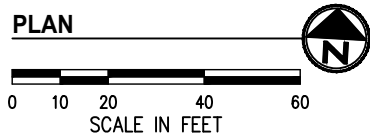
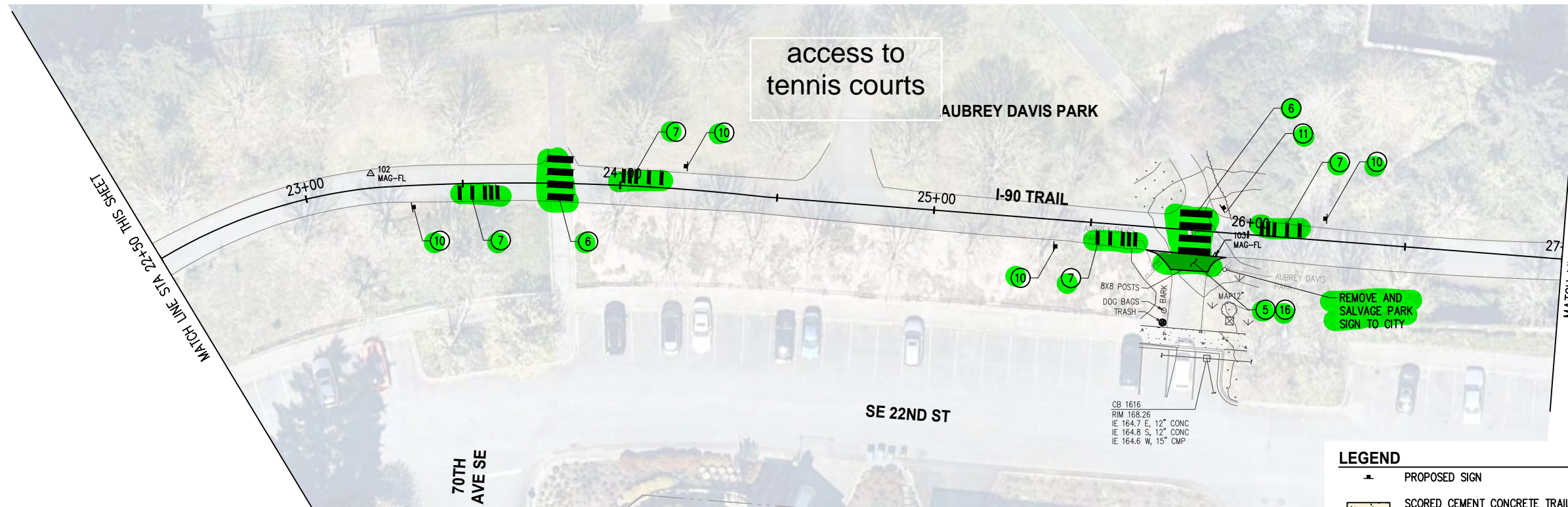


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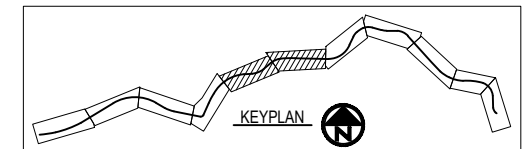
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SCHEDULE A

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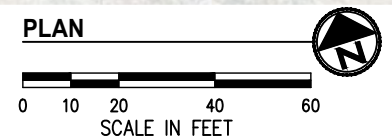
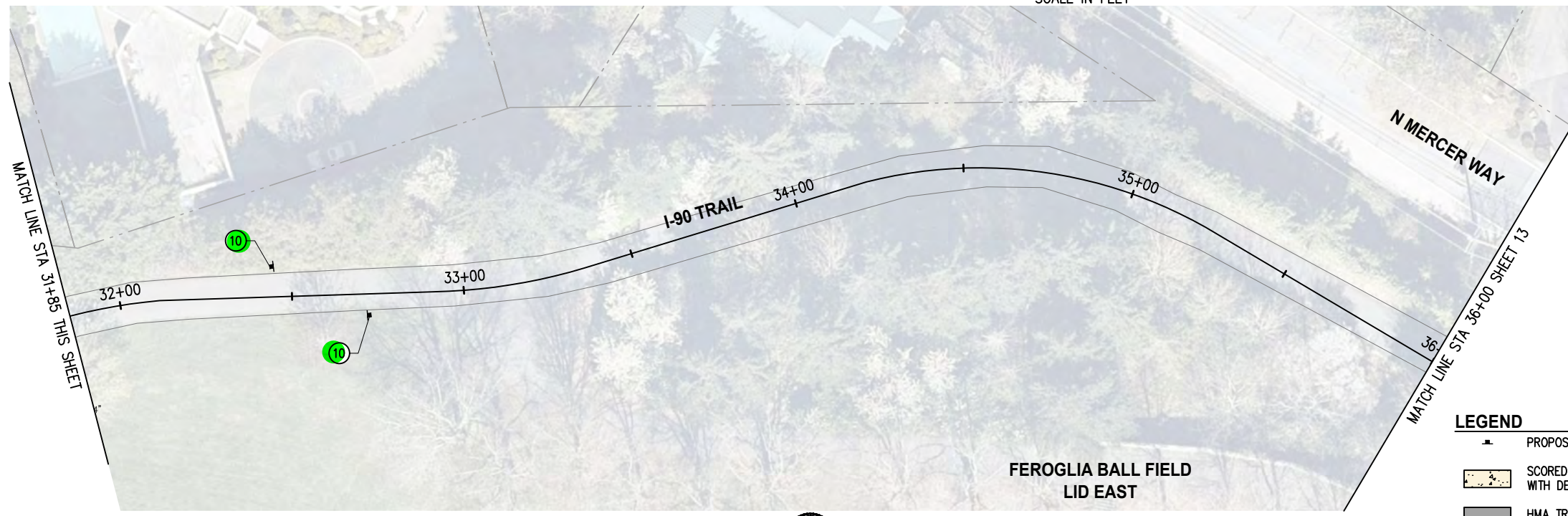
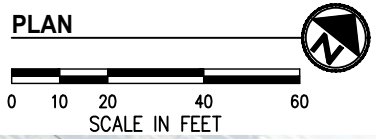
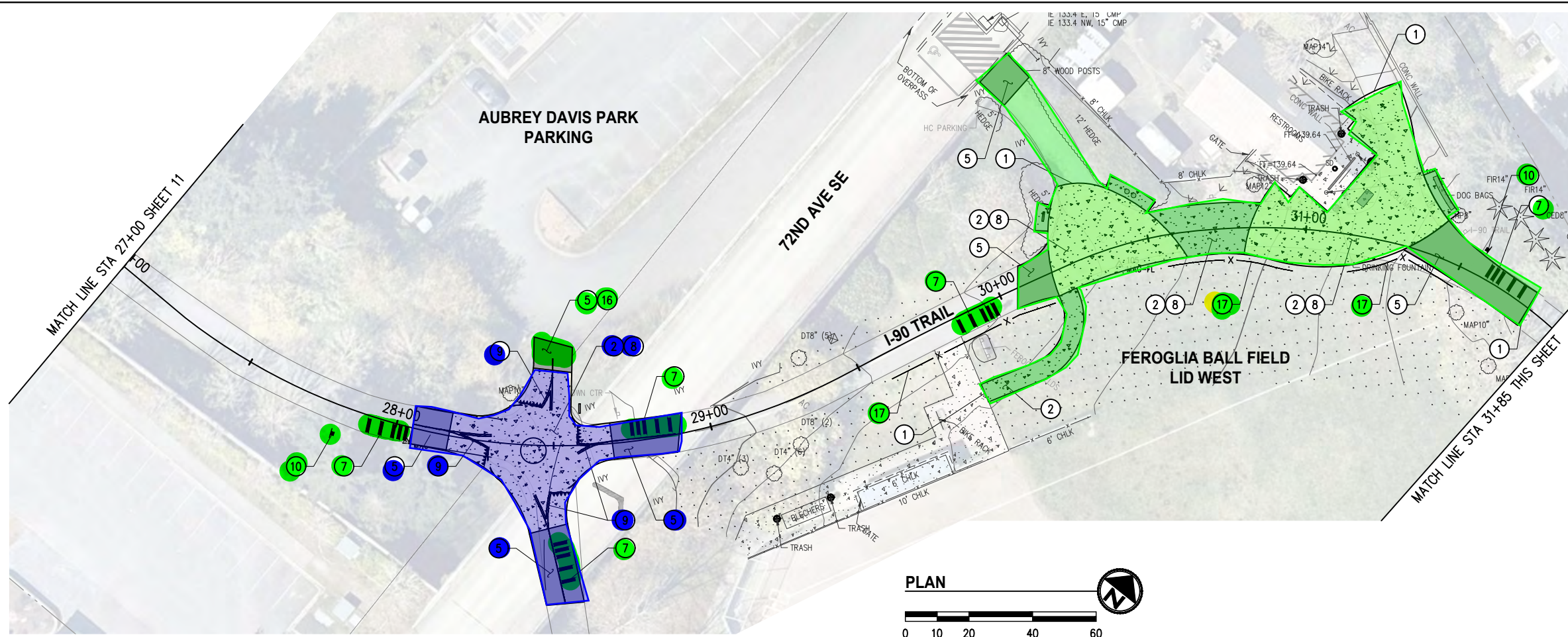
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TRAIL SAFETY IMPROVEMENTS

TRAIL IMPROVEMENT PLANS  
STA 18+00 TO STA 27+00  
KPG PROJECT No. 21098 SHT 11 OF 18

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- LEGEND**
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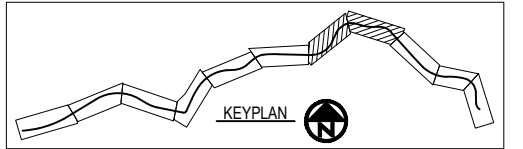
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SCHEDULE A

SCHEDULE B



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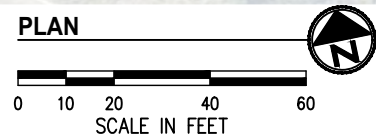
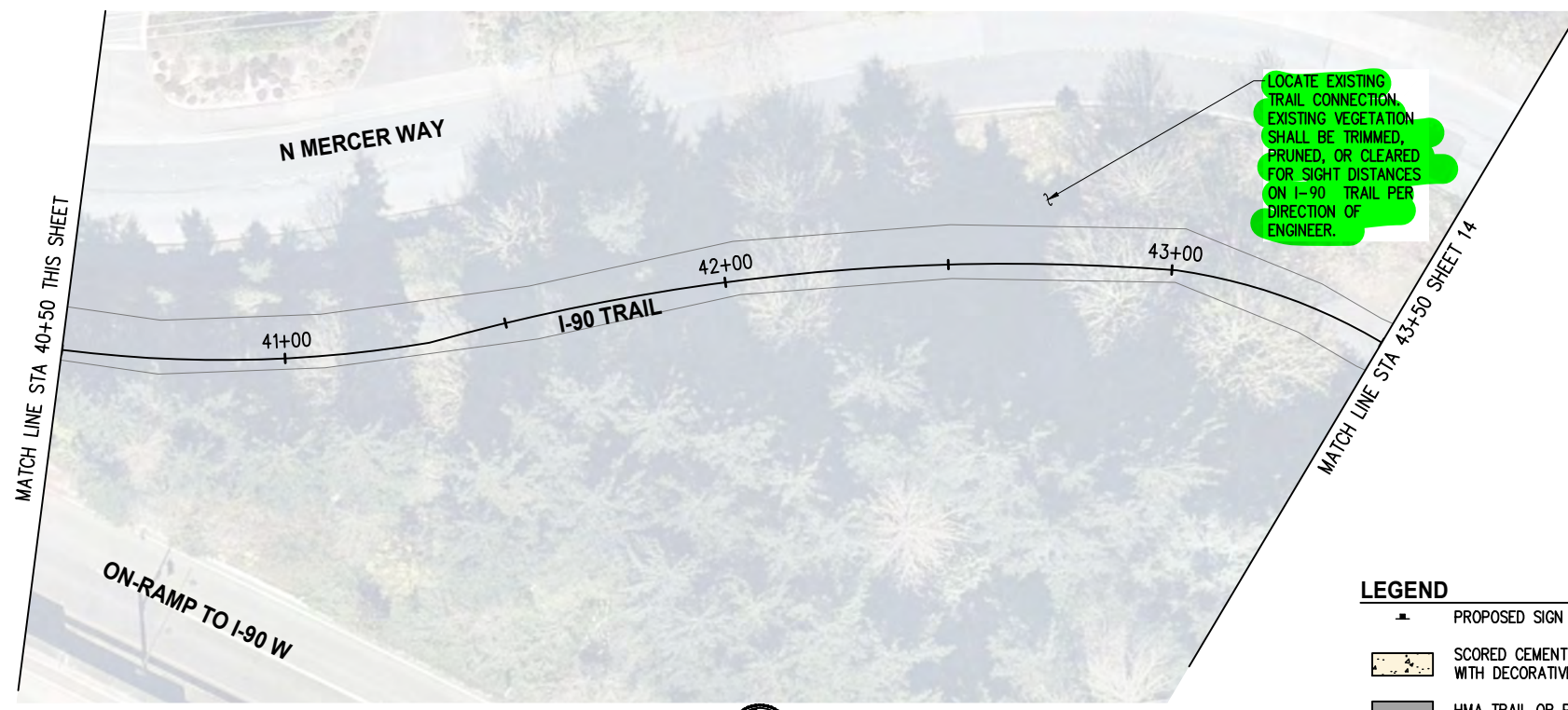
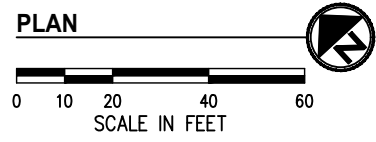
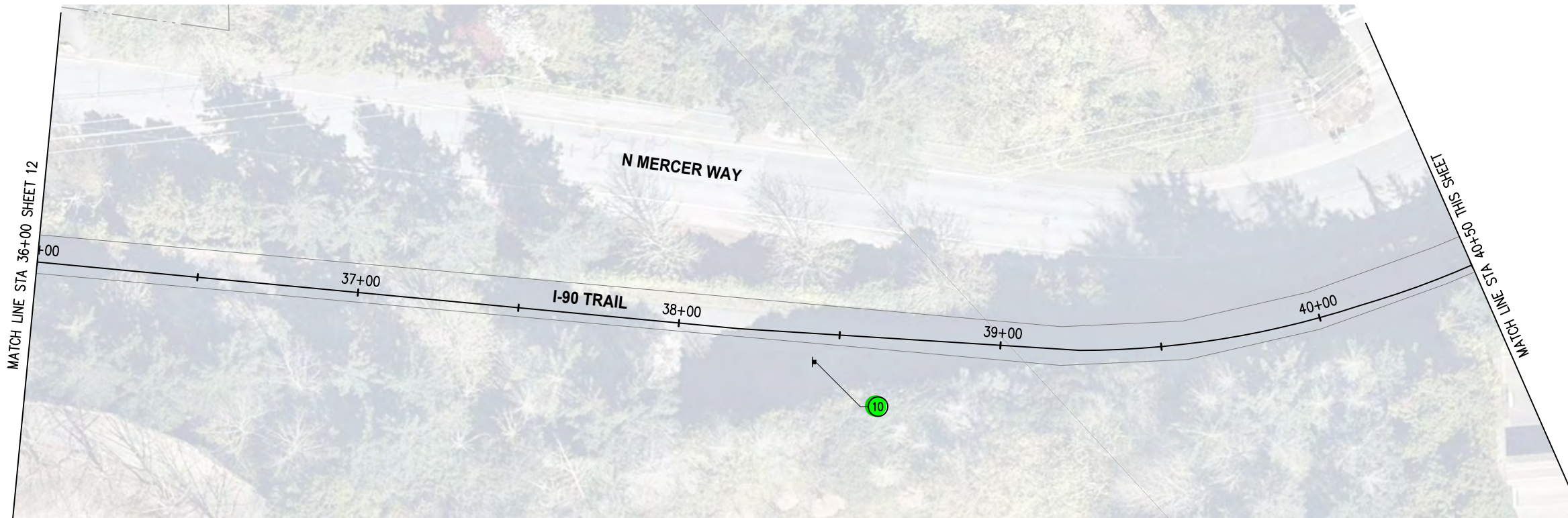
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



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TRAIL SAFETY IMPROVEMENTS**

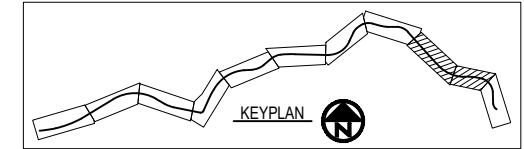
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LOCATE EXISTING TRAIL CONNECTION. EXISTING VEGETATION SHALL BE TRIMMED, PRUNED, OR CLEARED FOR SIGHT DISTANCES ON I-90 TRAIL PER DIRECTION OF ENGINEER.

**LEGEND**

-  PROPOSED SIGN
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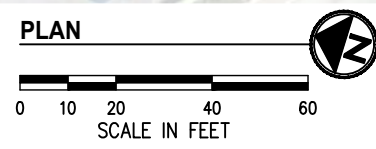
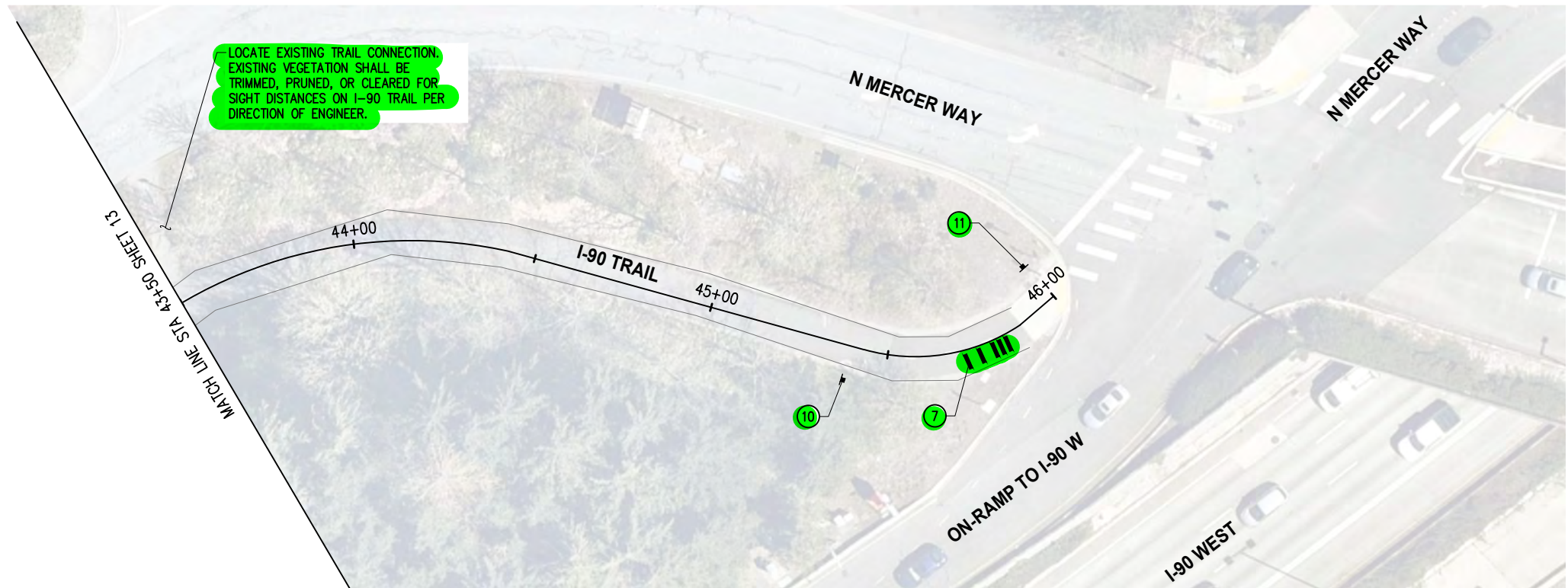
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**CITY OF MERCER ISLAND  
AUBREY DAVIS PARK  
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS  
STA 36+00 TO STA 43+50

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**GENERAL NOTES**

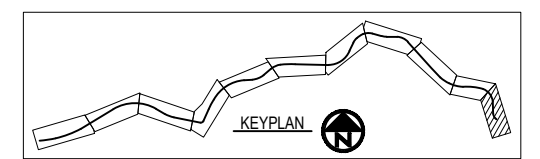
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAIL USERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

**CONSTRUCTION NOTES**

- 1 MATCH EXISTING.
- 2 CONSTRUCT CEMENT CONC SIDEWALK. SEE TYPICAL SECTION, SHEET 15.
- 3 CONSTRUCT CEMENT CONC CURB AND GUTTER PER COMI STANDARD DETAILS ST-14.
- 4 INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 15.
- 5 INSTALL HMA CL 1/2" PG58H-22 FOR WALKWAY. SEE TYPICAL SECTIONS, SHEET 15.
- 6 INSTALL THERMOPLASTIC CROSSWALK PER DETAIL, SHEET 15.
- 7 INSTALL THERMOPLASTIC BAR PER DETAIL, SHEET 15.
- 8 INSTALL SCORED AND COLORED CEMENT CONCRETE FOR PLAZA. SEE SITE ELEMENT PLANS, SHEET 16-18.
- 9 INSTALL 4" WIDE, YELLOW, PAINT LINE.
- 10 INSTALL REGULATORY SIGN.
- 11 INSTALL WAYFINDING SIGN.
- 12 INSTALL GRAVEL SHOULDER PER DETAIL, SHEET 15.
- 13 LAWN RESTORATION.
- 14 INSTALL DETECTABLE WARNING SURFACE.
- 15 INSTALL CEMENT CONCRETE CURB RAMP, TYP, PERPENDICULAR A.
- 16 REMOVE BOLLARDS WITHIN PAVEMENT LIMITS.
- 17 INSTALL FENCING.

**LEGEND**

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



SCHEDULE A

NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TRAIL.dwg	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

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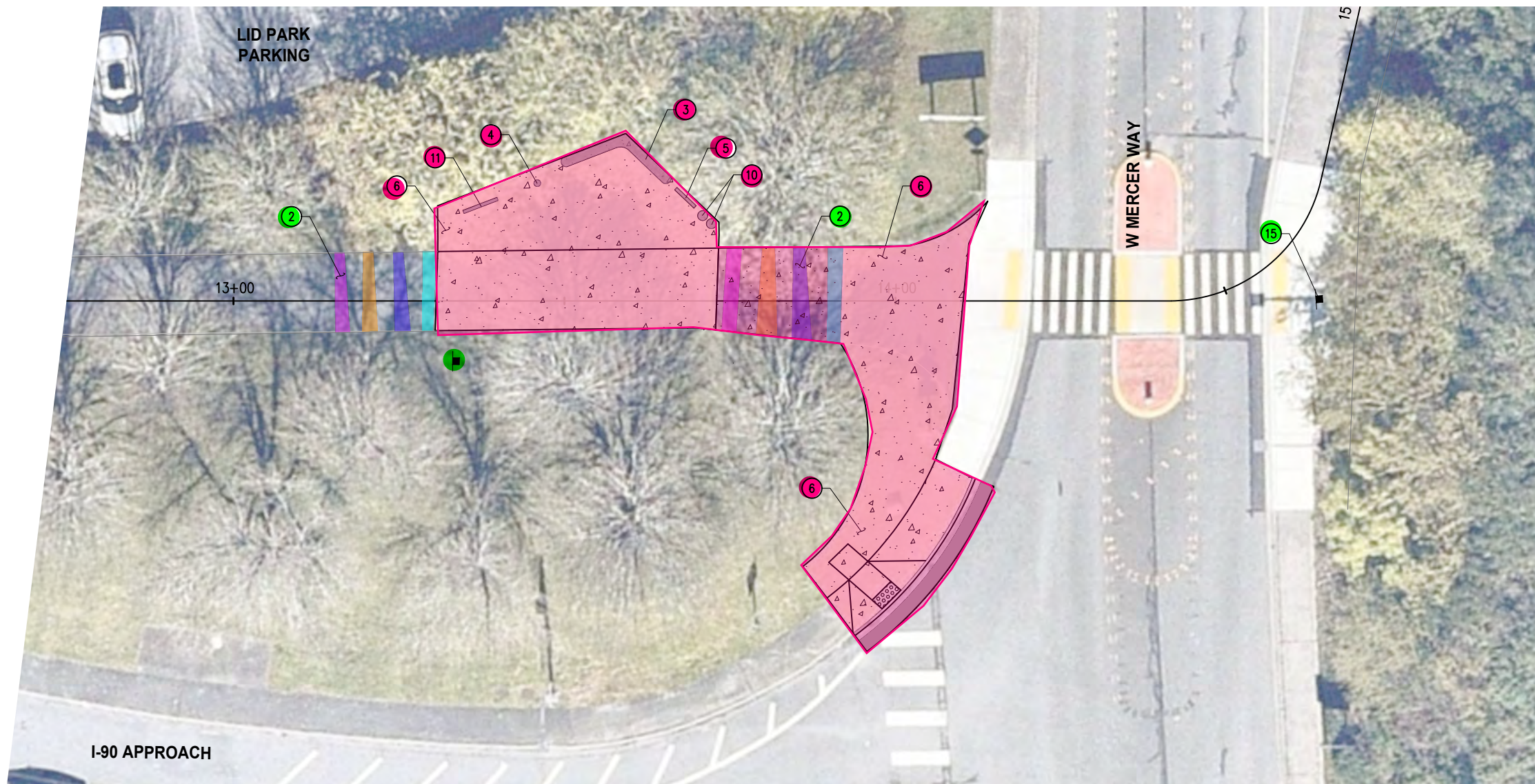
**30% REVIEW  
SUBMITTAL**



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

TRAIL IMPROVEMENT PLANS  
STA 43+50 TO STA 46+00

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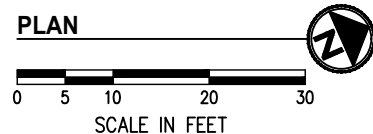
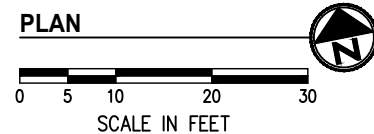


**GENERAL NOTES**

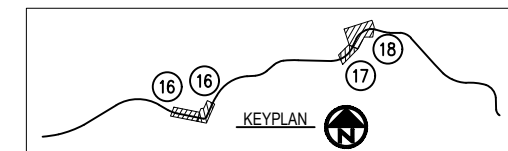
1. STATION/OFFSET SHALL BE TAKEN FROM CENTER OF FEATURE UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- 1 CEMENT CONCRETE TRAIL. SEE DETAIL, SHEET 19.
- 2 COLORED SURFACE PAVEMENT TREATMENT. SEE DETAIL, SHEET 19.
- 3 SEATWALL. SEE DETAIL, SHEET 19.
- 4 BICYCLE MAINTENANCE STATION. SEE DETAIL, SHEET 19.
- 5 INFORMATION KIOSK. SEE DETAIL, SHEET 19.
- 6 SCORED CEMENT CONCRETE WITH DECORATIVE COLOR TREATMENT. SEE DETAIL, SHEET 19.
- 10 WASTE AND RECYCLE RECEPTACLE. SEE DETAIL SHEET 19.
- 11 BICYCLE RACK. SEE DETAIL, SHEET 19.
- 15 STANDARD WAYFINDING SIGN. SEE DETAIL, SHEET 19.



- SCHEDULE A
- SCHEDULE C



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098SITE.dwg	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

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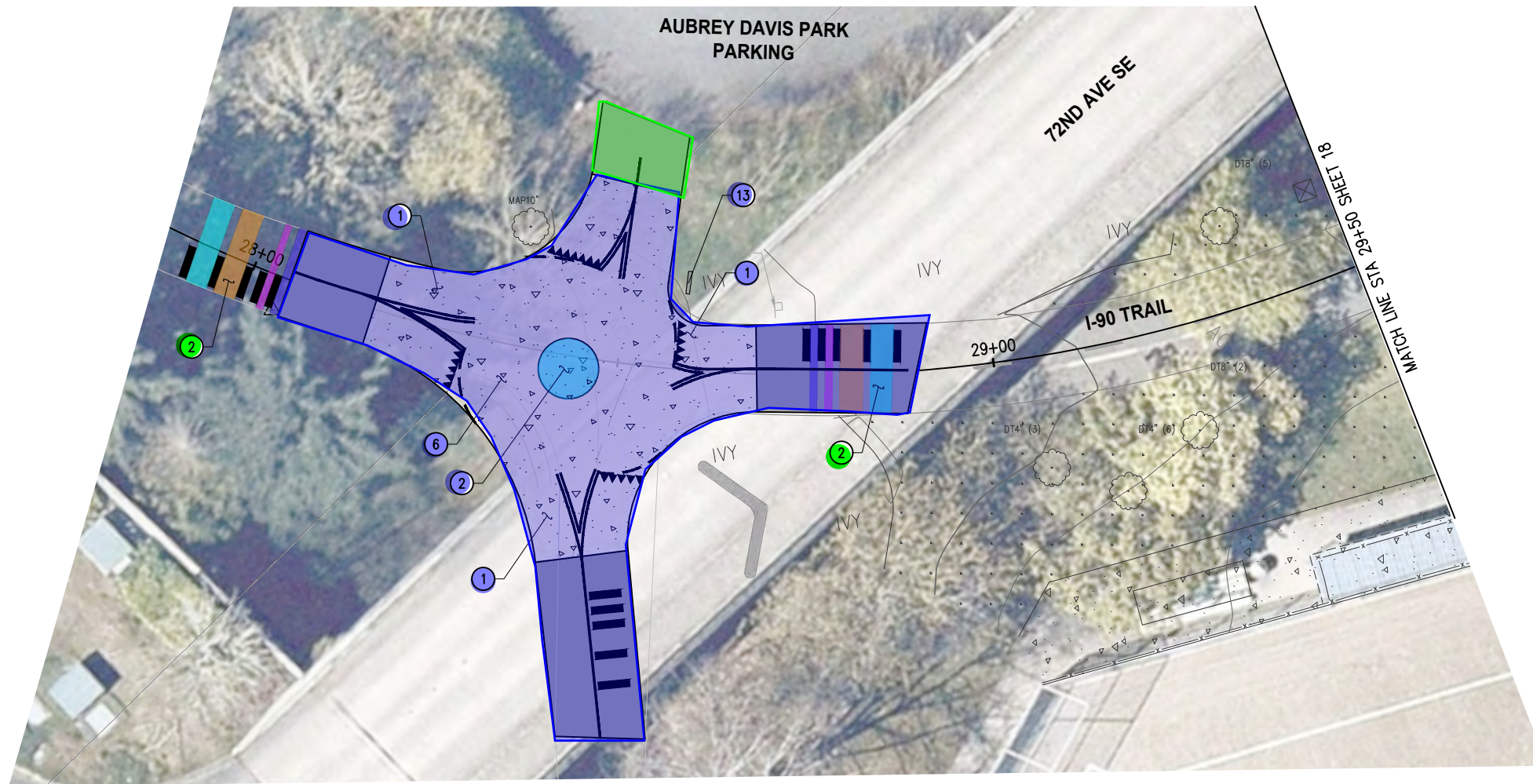
**30% REVIEW  
SUBMITTAL**



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

**SITE ELEMENT PLANS  
STA 11+50 TO STA 16+00**

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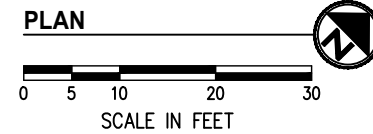


**GENERAL NOTES**

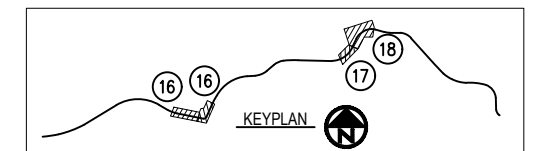
1. STATION/OFFSET SHALL BE TAKEN FROM CENTER OF FEATURE UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- 1 CEMENT CONCRETE TRAIL. SEE DETAIL, SHEET 19.
- 2 COLORED SURFACE PAVEMENT TREATMENT. SEE DETAIL, SHEET 19.
- 6 SCORED CEMENT CONCRETE WITH DECORATIVE COLOR TREATMENT. SEE DETAIL, SHEET 19.
- 13 TRAIL INFORMATION & WAYFINDING MARKER.



- SCHEDULE A
- SCHEDULE B



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098SITE.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

SITE ELEMENT PLANS  
STA 28+00 TO STA 29+50  
KPG PROJECT No. 21098 SHT 17 OF 18

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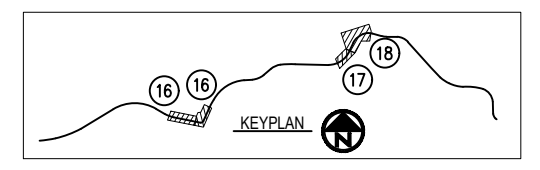
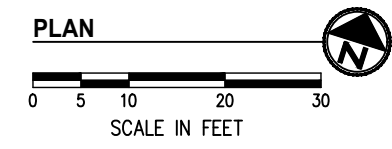
**GENERAL NOTES**

1. STATION/OFFSET SHALL BE TAKEN FROM CENTER OF FEATURE UNLESS OTHERWISE NOTED.

**CONSTRUCTION NOTES**

- 1 CEMENT CONCRETE TRAIL. SEE DETAIL, SHEET 19.
- 2 COLORED SURFACE PAVEMENT TREATMENT. SEE DETAIL, SHEET 19.
- 3 SEATWALL. SEE DETAIL, SHEET 19.
- 6 SCORED CEMENT CONCRETE WITH DECORATIVE COLOR TREATMENT. SEE DETAIL, SHEET 19.
- 7 FENCING. SEE DETAIL, SHEET 19.
- 9 PET WASTE BAG DISPENSER.
- 10 WASTE AND RECYCLE RECEPTACLE. SEE DETAIL SHEET 19.
- 12 BICYCLE CORRAL. SEE DETAIL, SHEET 19.
- 13 TRAIL INFORMATION & WAYFINDING MARKER.
- 14 CEMENT CONCRETE PAD.

SCHEDULE A



NO.	DATE	BY	APPR.	REVISIONS

<b>Approved By</b>		21098SITE.dwg	
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**

SITE ELEMENT PLANS STA 29+50 TO STA 32+00	
KPG PROJECT No. 21098	SHT <u>18</u> OF <u>18</u>

# INTEGRATED PUBLIC ART



# SCHEDULE A / Restroom Facilities & Playfields Node



# Integrated Public Art Opportunitites / Restroom Facilities & Playfields Node

**SCHEDULE A Total Construction Cost = \$350K**

**1% Public Art Budget = \$3,500**

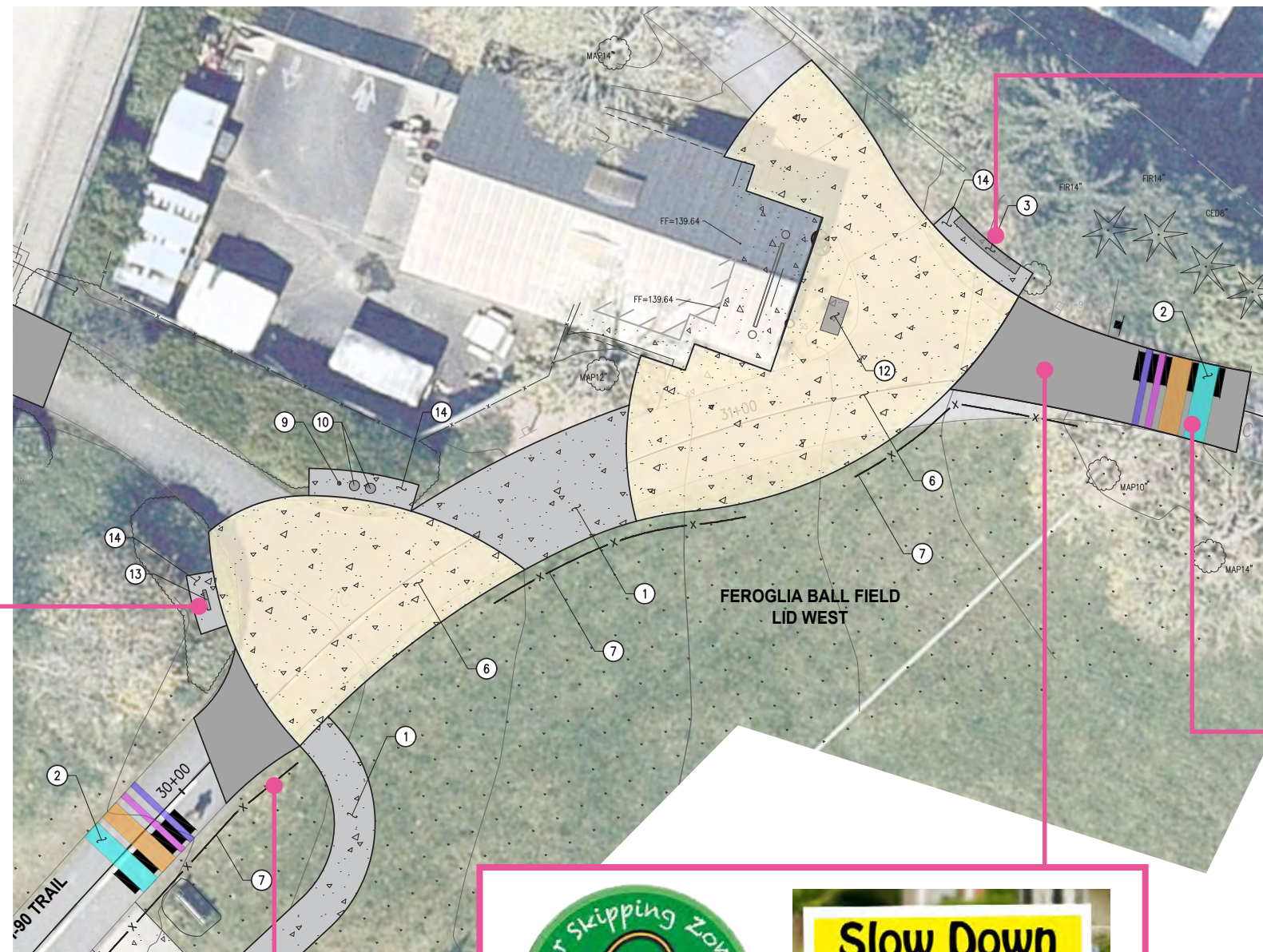
## POTENTIAL INTEGRATED PUBLIC ART:

Placemaking Signage (graphic vinyl sheeting)

Seat Wall (vertical sandblasting/etched pattern treatment)

Park Information & Wayfinding Marker (graphic vinyl sheeting)

Colored Surface Pavement Treatment (consistent throughout trail in park)



decorative sandblasted/etched seat walls example



park information & wayfinding marker example



### Rotating signage:

- our ball zone
- our hoola-hoop zone
- our foot zone

placemaking signage examples

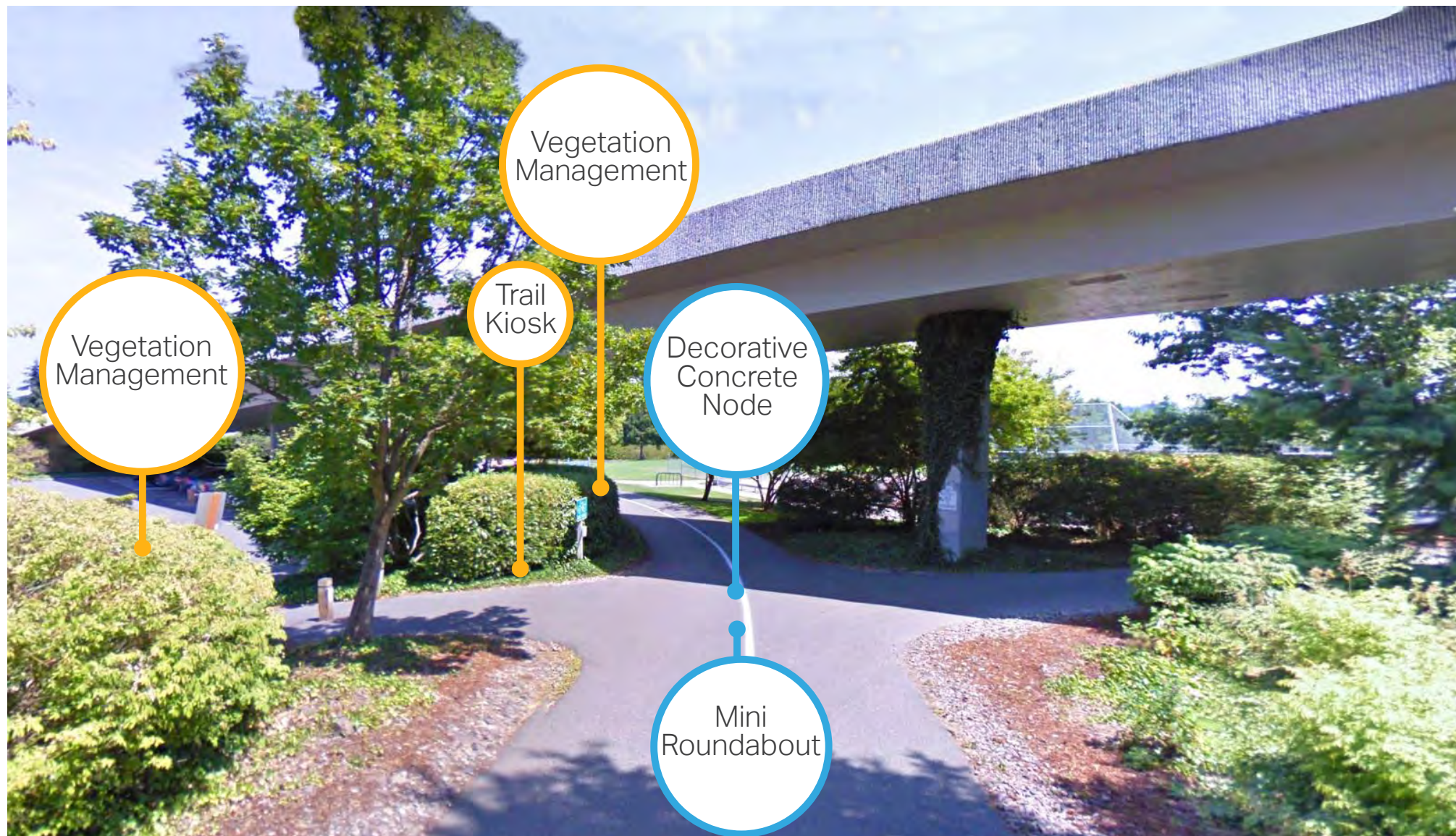


colored surface pavement treatment examples

### Rotating pavement graphics:

- salmon
- foot or bicycle tire marks
- flowers

# SCHEDULE B / Trail Connection under 72nd Ave SE Overpass



# Integrated Public Art Opportunitites / Trail Connection under 72nd Ave SE Overpass

**SCHEDULE B Total Construction Cost = \$170K**  
**1% Public Art Budget = \$1,700**

## POTENTIAL INTEGRATED PUBLIC ART:

Placemaking Signage (graphic vinyl sheeting)

Park Information & Wayfinding Marker (graphic vinyl sheeting)

Colored Surface Pavement Treatment (consistent throughout trail in park)

Colored Surface Pavement Treatment at Roundabout (consistent throughout trail in park)



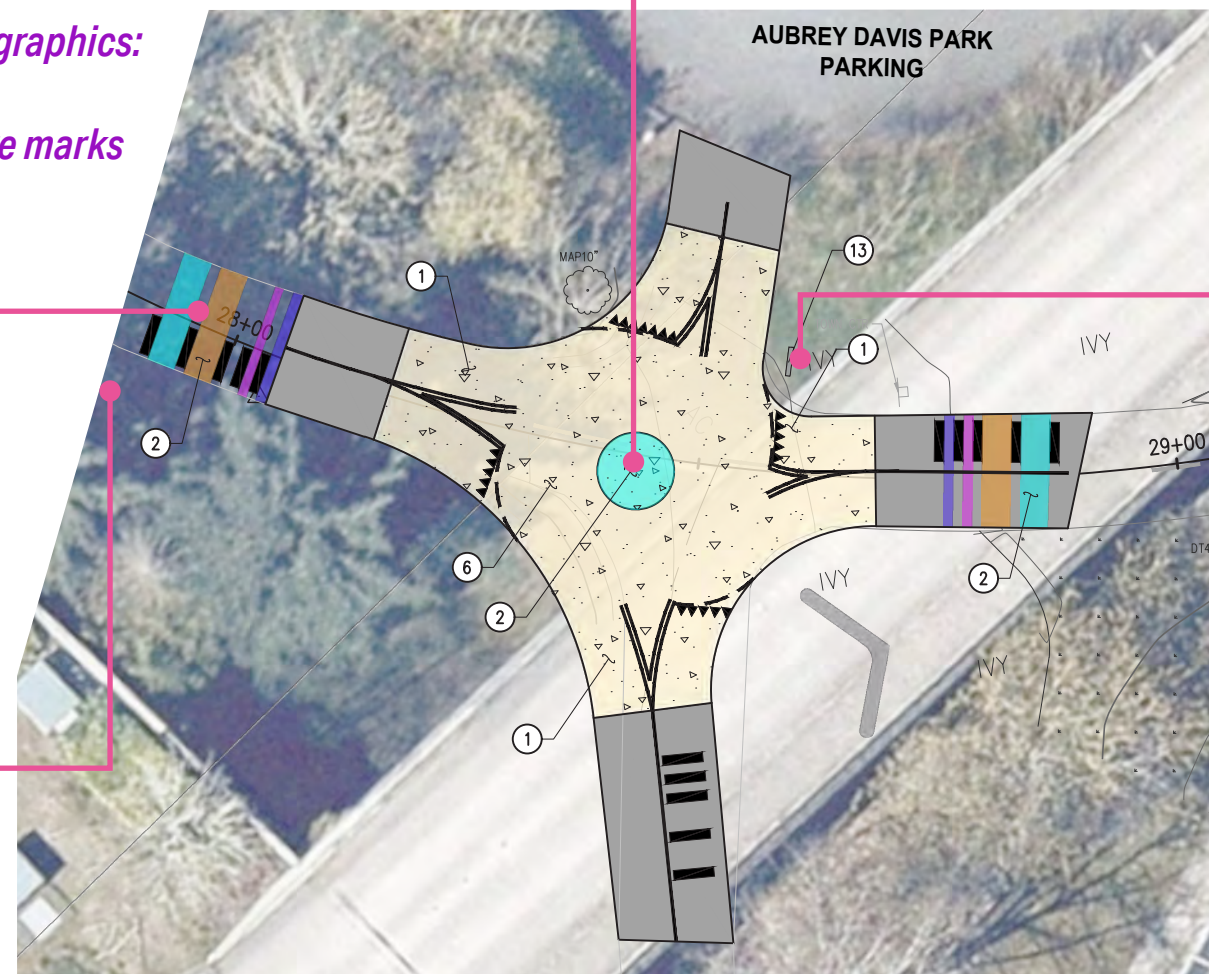
colored surface pavement treatment examples at mini roundabout example



colored surface pavement treatment examples

### Rotating pavement graphics:

- salmon
- foot or bicycle tire marks
- flowers



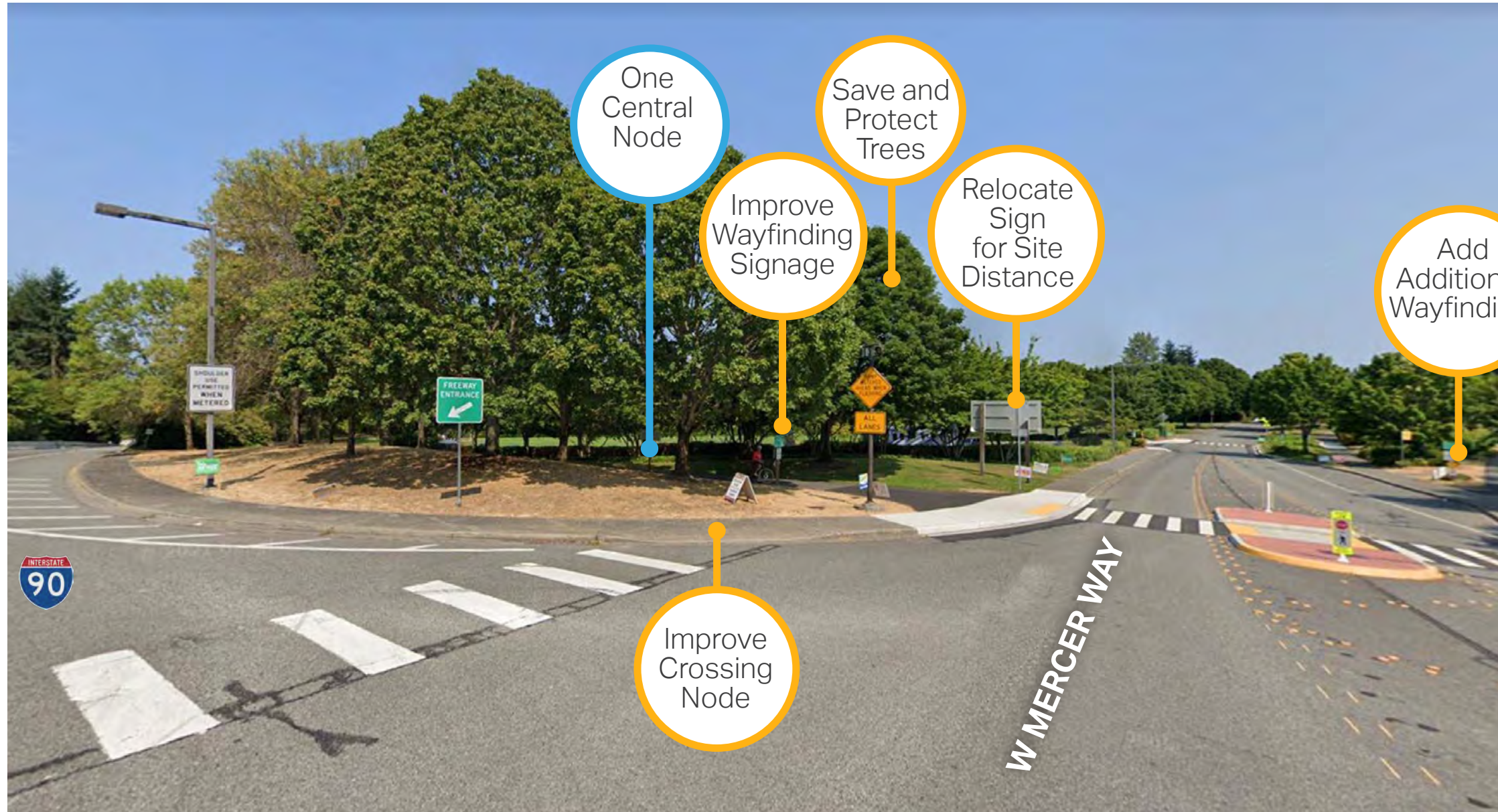
park information & wayfinding marker example

### Rotating signage content



placemaking signage examples

# SCHEDULE C / W. Mercer Way Trail Crossing



# Integrated Public Art Opportunitites / W. Mercer Way Trail Crossing

**SCHEDULE C** Total Construction Cost = \$260K  
 1% Public Art Budget = \$2,600

**POTENTIAL INTEGRATED PUBLIC ART:**

Placemaking Signage (graphic vinyl sheeting)

Seat Wall (vertical sandblasting/etched pattern treatment)

Park Information & Wayfinding Marker (graphic vinyl sheeting)

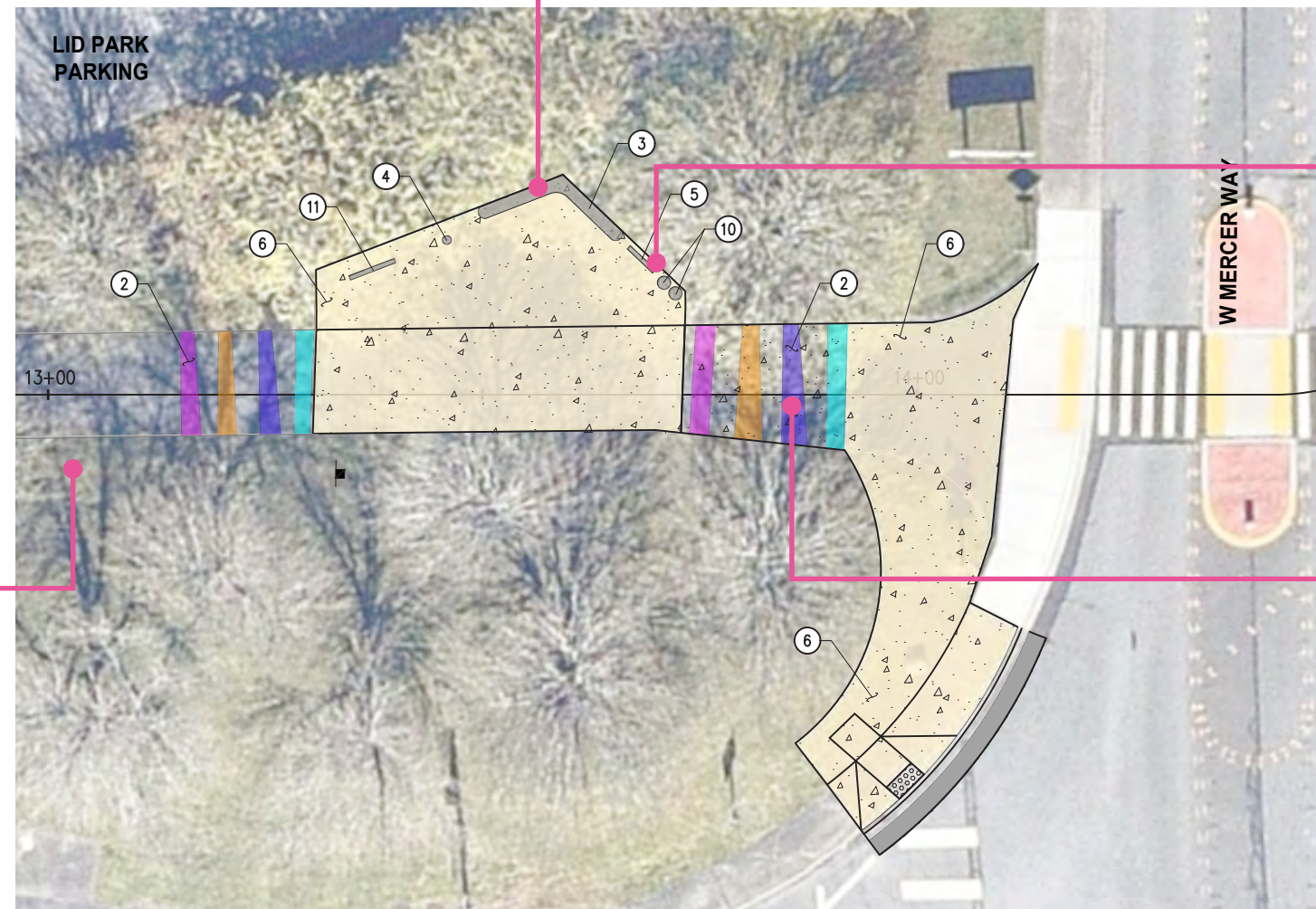
Colored Surface Pavement Treatment (consistent throughout trail in park)



decorative sandblasted/etched seat walls example



park information & wayfinding marker example



placemaking signage examples

Rotating signage content



colored surface pavement treatment examples

**Rotating pavement graphics:**

- salmon
- foot or bicycle tire marks
- flowers