



CITY OF MERCER ISLAND

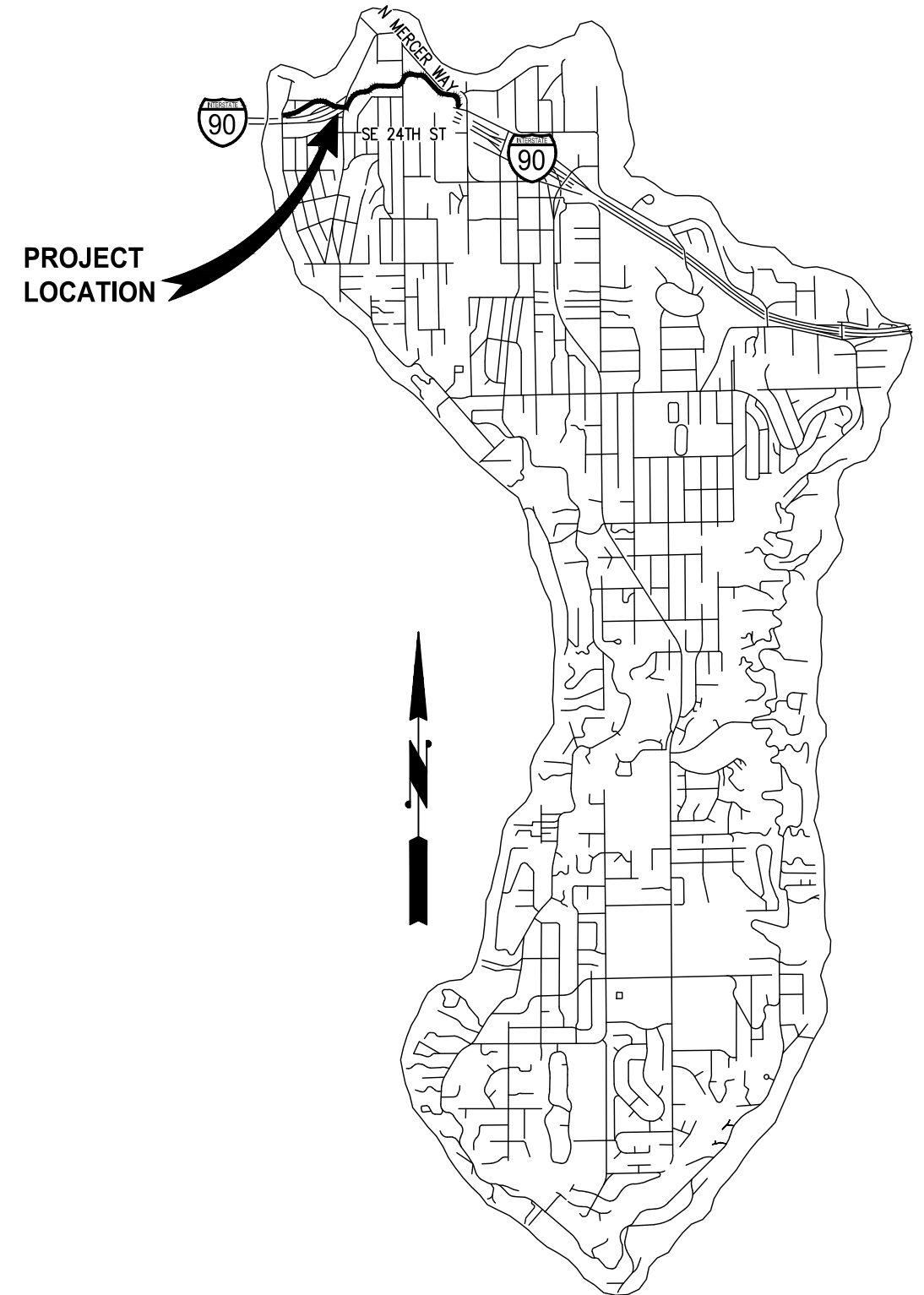
AUBREY DAVIS PARK TRAIL SAFETY IMPROVEMENTS SEPTEMBER 2022

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
#-6	TESC AND SITE PREPARATION PLANS
7	TESC AND SITE PREPARATION DETAILS
8-10	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

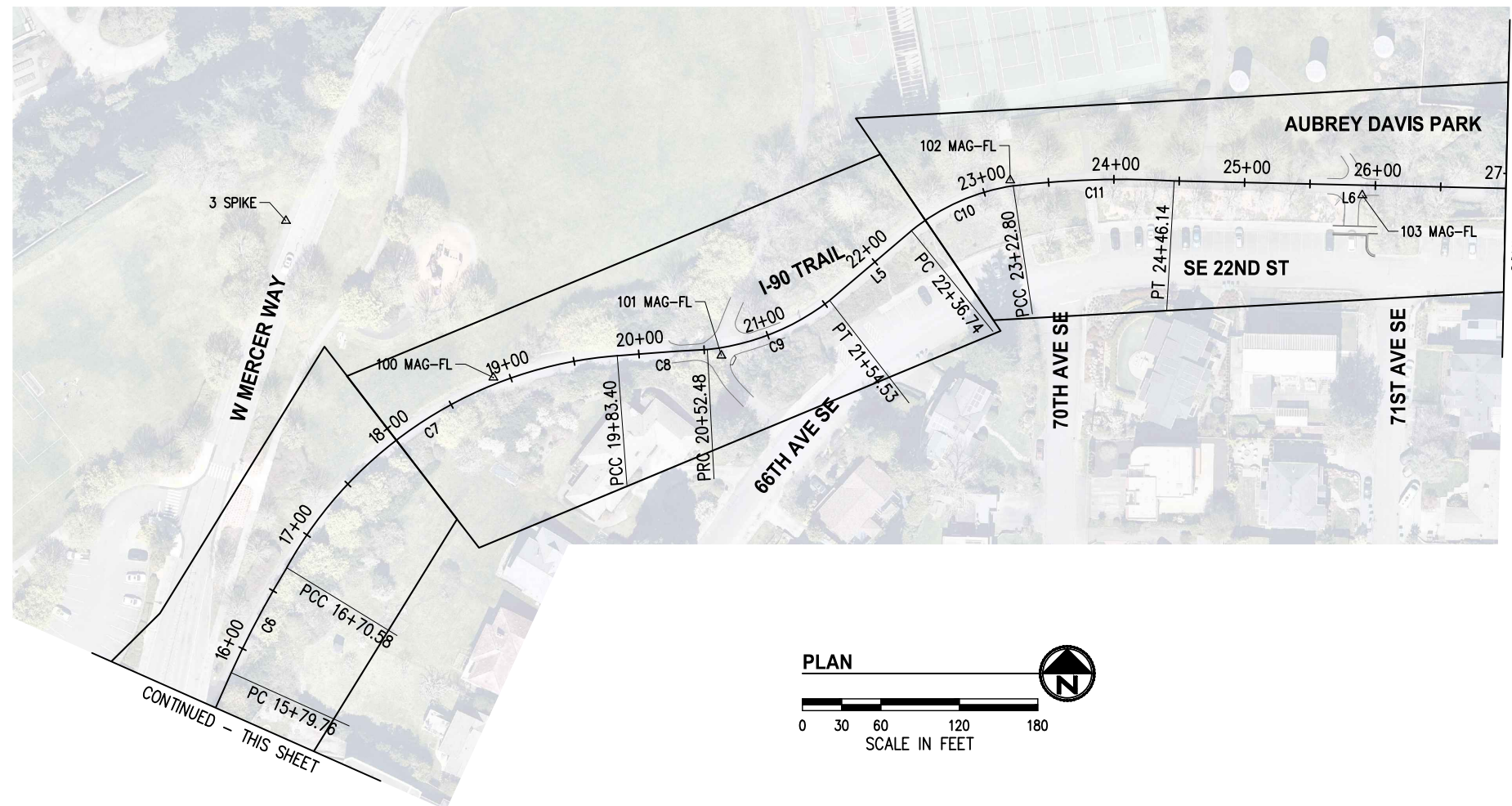
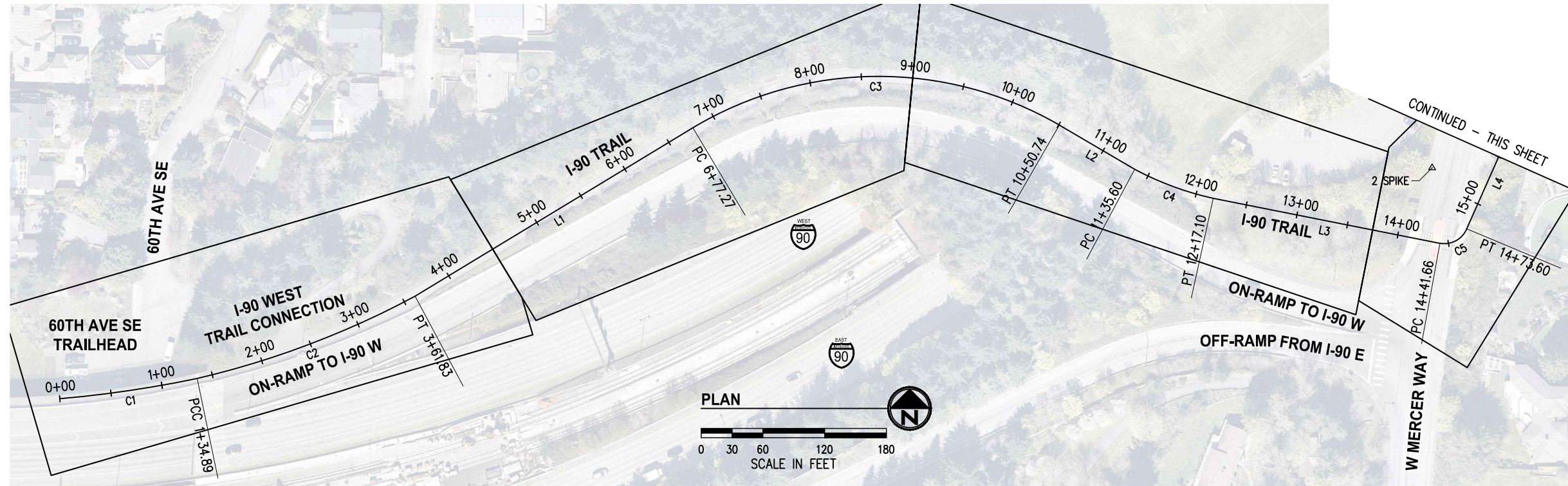
* THESE SHEETS SCHEDULED FOR 60% SUBMITTAL



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

30% REVIEW
SUBMITTAL

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098SURVCTRL.dwg 8/25/2022 3:51 PM



NOTES

- 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.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
- FIELD SURVEY: KPG, NOVEMBER, 2021. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
- CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
- STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
- THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.

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.

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

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'

NO.	DATE	BY	APPR.	REVISIONS

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

KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

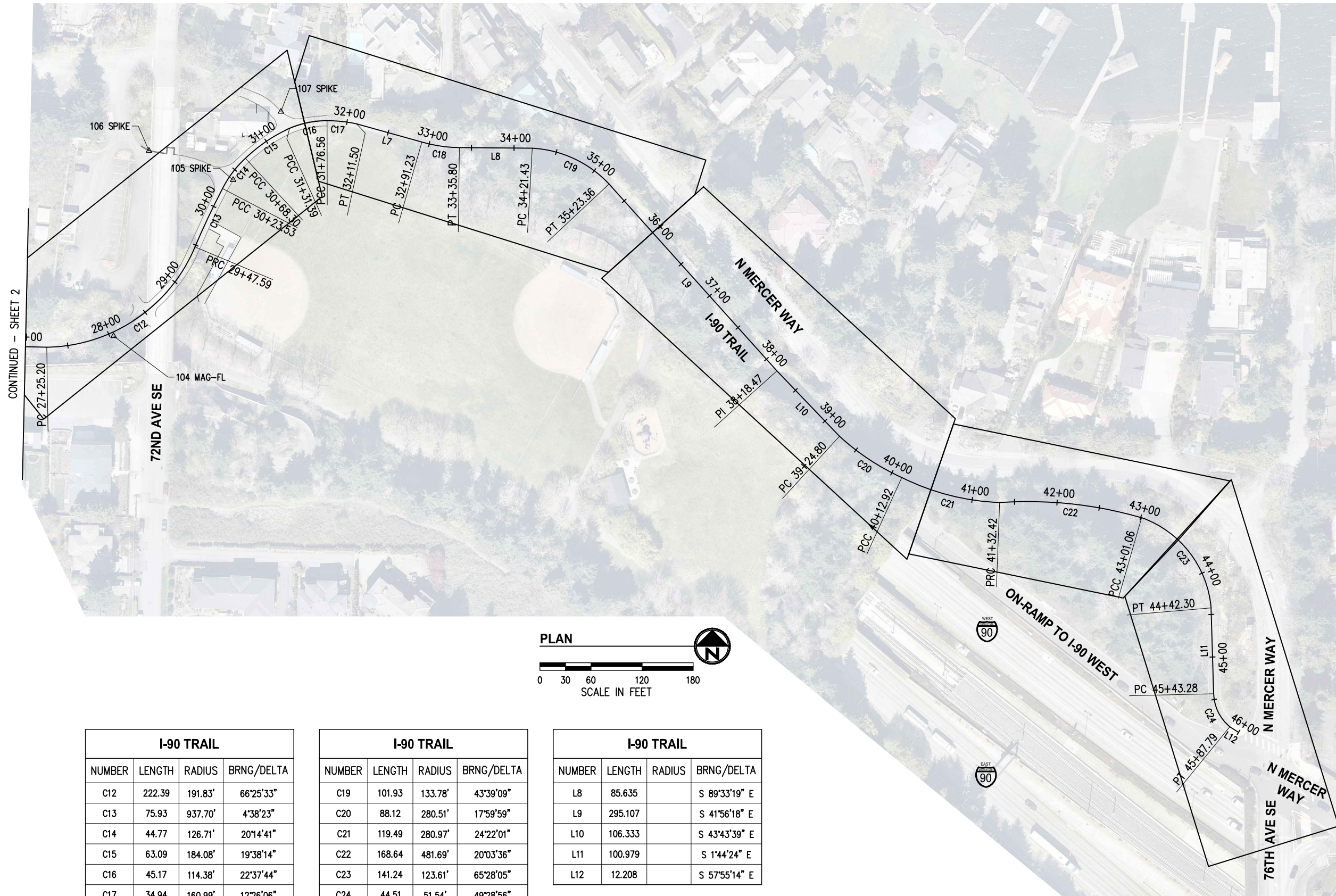
**30% REVIEW
SUBMITTAL**



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>

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098SURVCTRL.dwg 8/25/2022 3:51 PM



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.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
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.

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'

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

NO.	DATE	BY	APPR.	REVISIONS

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

KPG
PSOMAS
 Seattle
 3131 Elliott Avenue, Suite 400
 Seattle, WA 98121 206.286.1640
 Tacoma | Wenatchee | KPG.com

**30% REVIEW
 SUBMITTAL**



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>

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098LEG-ABBRV.dwg 8/25/2022 3:51 PM

EXISTING LEGEND

MIC	MONUMENT IN CASE	①	TELEPHONE MANHOLE	— P —	PAINTED POWER
MON	SURFACE MONUMENT	T □	TELEPHONE RISER	— T —	PAINTED TELEPHONE
RC	REBAR & CAP	□	TELEPHONE VAULT LID	— FO —	PAINTED FIBER OPTIC
⊙	SPOT SHOT (DESCRIBED)	⊕	TELEPHONE POLE	— TV —	PAINTED TV
□	CATCH BASIN	TV □	TV VAULT LID	— W —	PAINTED WATER
⊙	STORM DRAIN MANHOLE	FO	FIBER OPTIC MANHOLE	— G —	PAINTED GAS
⊕	YARD DRAIN	⊕	GAS VALVE	— SD —	STORM
⊕	DOWNSPOUT	⊕	GAS METER	— S —	SEWER
SD	STORM DRAIN CLEAN-OUT	⊕	WATER VALVE	— X —	FENCE
⊕	SEWER MANHOLE	⊕	WATER METER	~~~~~	HEDGE (HEIGHT NOTED)
SS	SEWER CLEAN-OUT	⊕	WATER MANHOLE	//////	BUILDING
⊕	POWER POLE	⊕	FIRE HYDRANT	————	PAINTED STRIPE
⊕	POWER POLE WITH UG CONNECT	⊕	FIRE DEPARTMENT CONNECT	RAISED-BUTTON SOLID STRIPE
□	POWER VAULT LID	⊕	UTILITY VAULT LID (GENERIC/UNKNOWN)	RAISED-BUTTON SKIP STRIPE
△	POWER TRANSFORMER	U	UTILITY ACCESS (GENERIC/UNKNOWN)	————	EDGE OF PAVEMENT
⊕	POWER METER	●	BORE SITE (WITH FIELD DESCRIPTION)	-----	FLOWLINE
⊕	POWER OUTLET	○	BOULDER	-----	CONTOUR
→	GUY ANCHOR	⊕	SIGN	-----	EXISTING RIGHT-OF-WAY LINE
⊕	TRAFFIC SIGNAL WITH LUMINAIRE	⊕	MAILBOX	-----	PROPERTY LINE
⊕	PEDESTRIAN SIGNAL	○	SHRUB	-----	CONCRETE
⊕	JUNCTION BOX TYPE 1, 2, 3	▽	GRASS	-----	GRAVEL
⊕	TRAFFIC CONTROL CABINET	DT12(3)	DECIDUOUS TREE, DIAM. IN INCHES (# OF TRUNKS)	-----	BRICK
⊕	TRAFFIC SERVICE CABINET	CT12(3)	CONIFEROUS TREE, DIAM. IN INCHES (# OF TRUNKS)	-----	METAL GRATE
⊕	TRAFFIC ATTENUATOR LOOP				
⊕	STREET LIGHT (LUMINAIRE)				
⊕	LOT LIGHT				
⊕	YARD LIGHT				

PROPOSED LEGEND

⊕	WATER METER
⊕	WATER VALVE
⊕	FIRE HYDRANT
⊕	SIGN
— X —	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		

NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098LEG-ABBRV.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

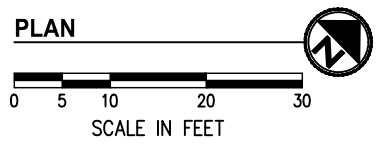
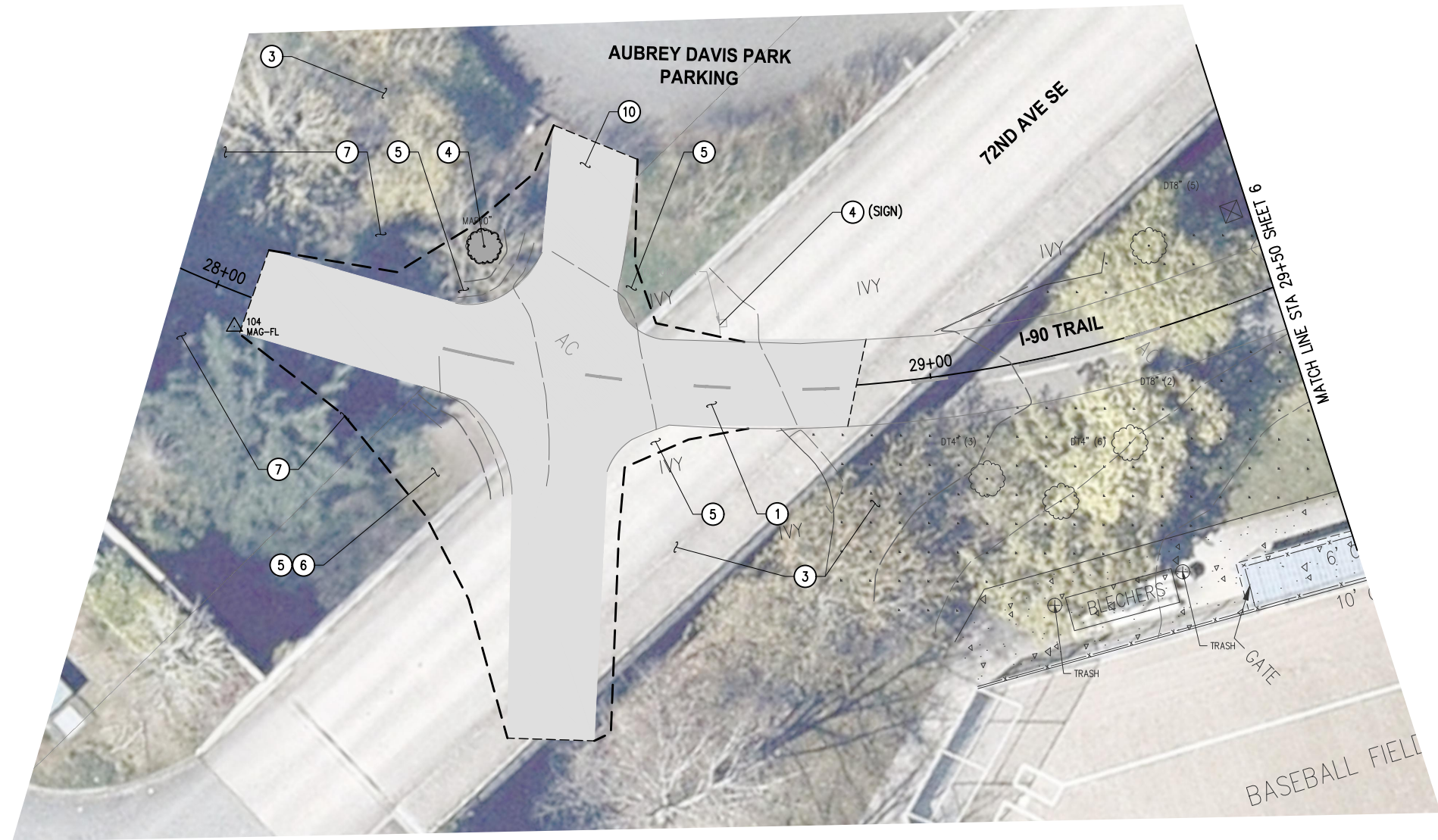
**30% REVIEW
SUBMITTAL**



**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>

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TESC-SP.dwg 8/25/2022 3:52 PM



GENERAL NOTES

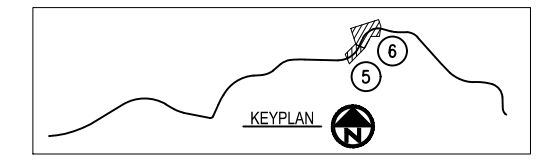
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT 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 WITHIN CLEARING LIMITS AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- ⑥ REMOVE SHRUB(S) AND BUSH(ES).
- ⑦ TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. VERIFY AREA OF WORK TO BE PERFORMED IN PRESENCE OF COMI PARKS DEPARTMENT.
- ⑩ REMOVE BOLLARDS.

LEGEND

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



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TESC-SP.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

KPG
PSOMAS

Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

**30% REVIEW
SUBMITTAL**



**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 5 OF 14

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TESC-SP.dwg 8/25/2022 3:52 PM



GENERAL NOTES

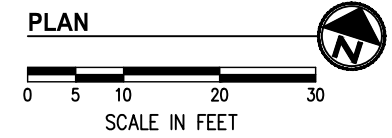
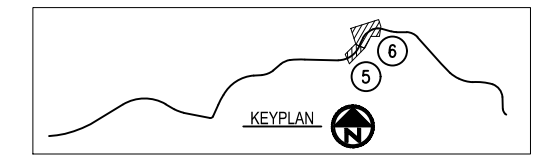
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT 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 GROUND COVER WITHIN CLEARING LIMITS AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- ⑥ REMOVE SHRUB(S) AND BUSH(ES).
TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. VERIFY AREA OF WORK TO BE PERFORMED IN PRESENCE OF COMI PARKS DEPARTMENT.
- 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



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TESC-SP.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

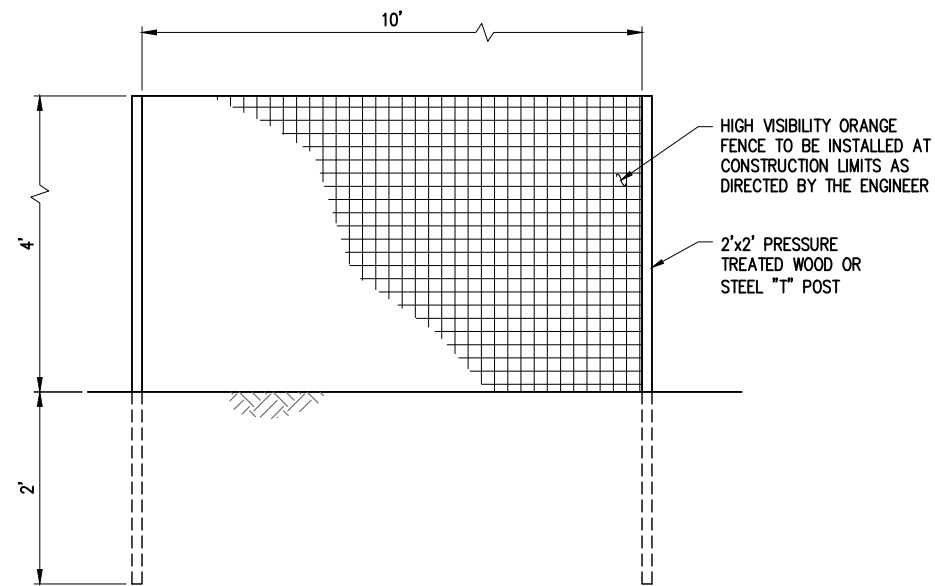
**30% REVIEW
SUBMITTAL**



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

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

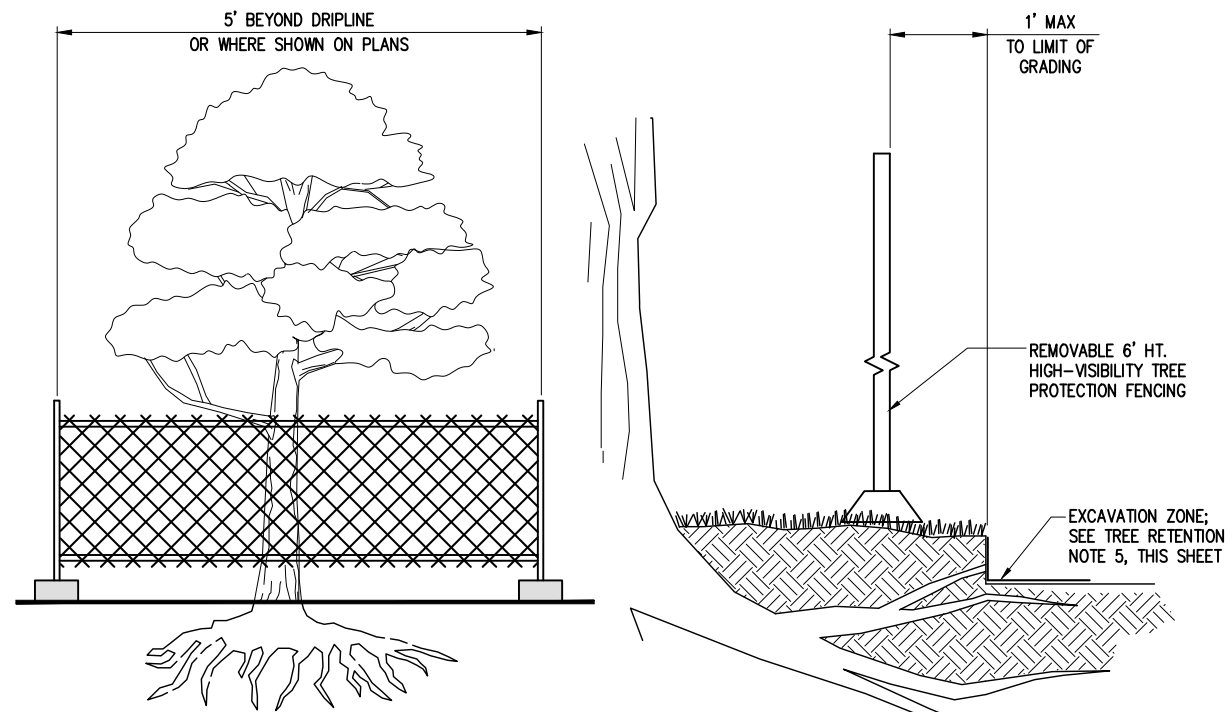
K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TESC-SP-DET.dwg 8/25/2022 3:52 PM



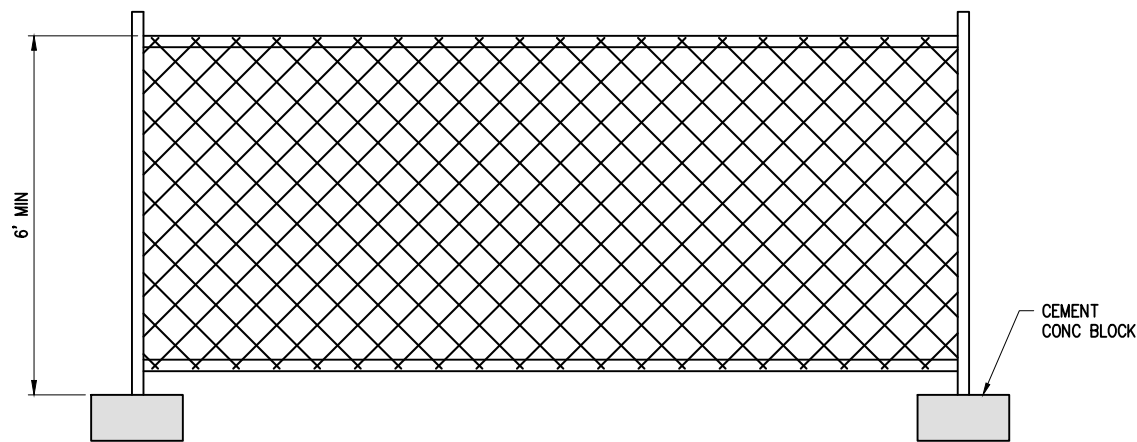
ELEVATION

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

HIGH VISIBILITY ORANGE FENCING
NTS



TREE PROTECTION DETAIL
TEMPORARY CHAIN LINK FENCE
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

Approved By

ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

21098TESC-SP-DET.dwg
FILENAME



Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

**30% REVIEW
SUBMITTAL**

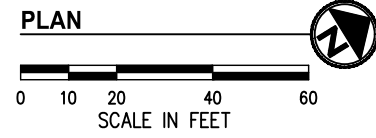
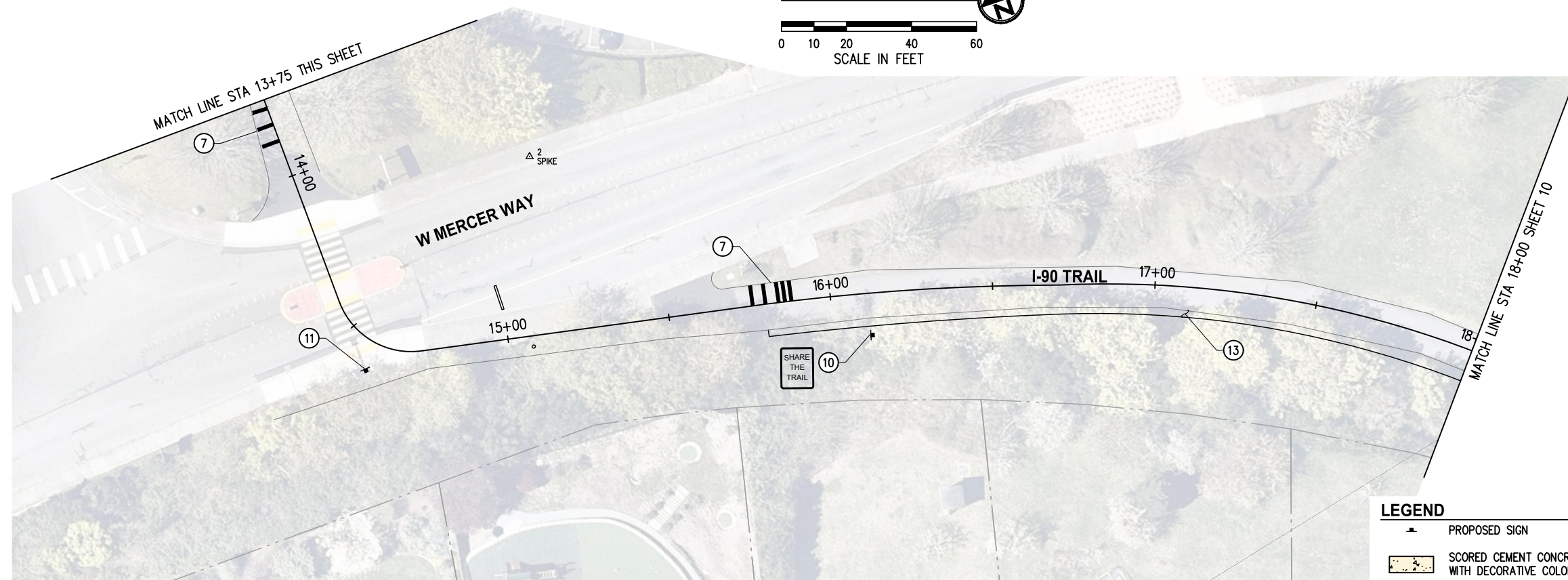
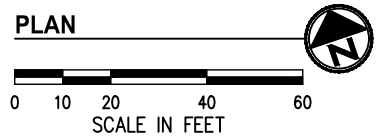
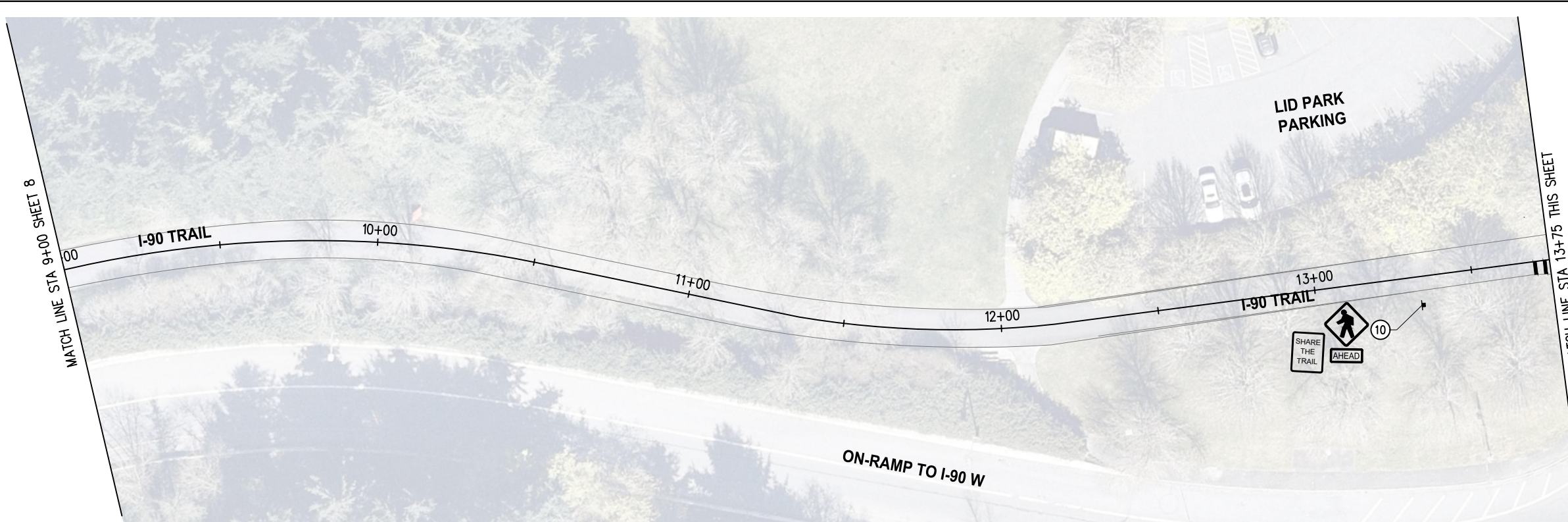


**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TESC AND SITE PREPARATION DETAILS

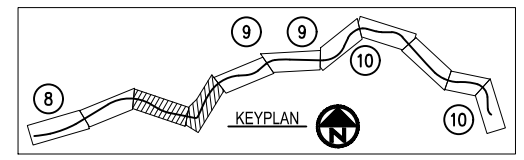
KPG PROJECT No. 21098 SHT 7 OF 14

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:24 PM



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.

CONSTRUCTION NOTES

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

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

21098TRAIL.dwg
FILENAME

KPG
PSOMAS

Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

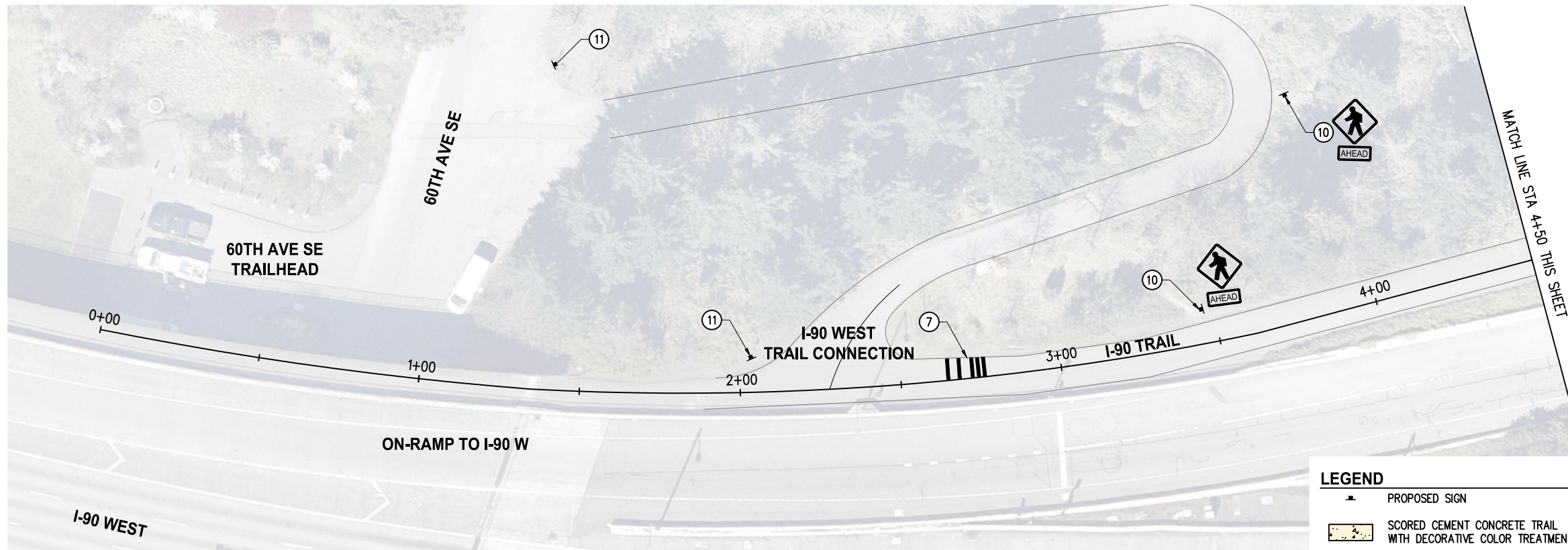
**30% REVIEW
SUBMITTAL**



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

**TRAIL IMPROVEMENT PLANS
STA 9+00 TO STA 18+00**

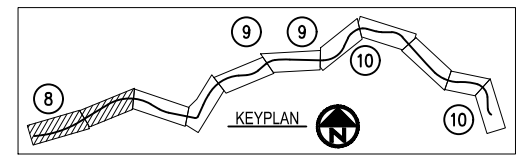
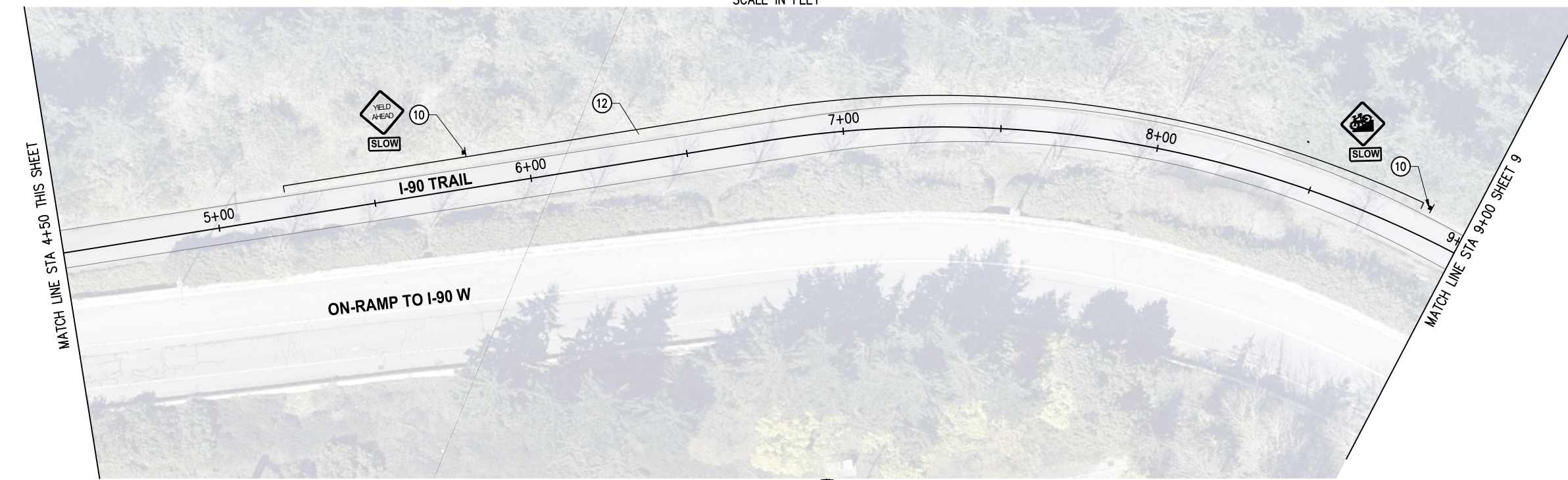
KPG PROJECT No. 21098 SHT 9 OF 14



- GENERAL NOTES**
- 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.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.

- CONSTRUCTION NOTES**
- INSTALL THERMOPLASTIC BAR PER DETAIL, SHEET 14.
 - INSTALL REGULATORY SIGN.
 - INSTALL WAYFINDING SIGN.
 - RESTORE TRAIL SHOULDER, SHEET 14.
 - LAWN RESTORATION.

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL



K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:24 PM

NO.	DATE	BY	APPR.	REVISIONS

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

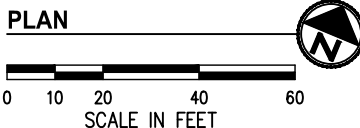
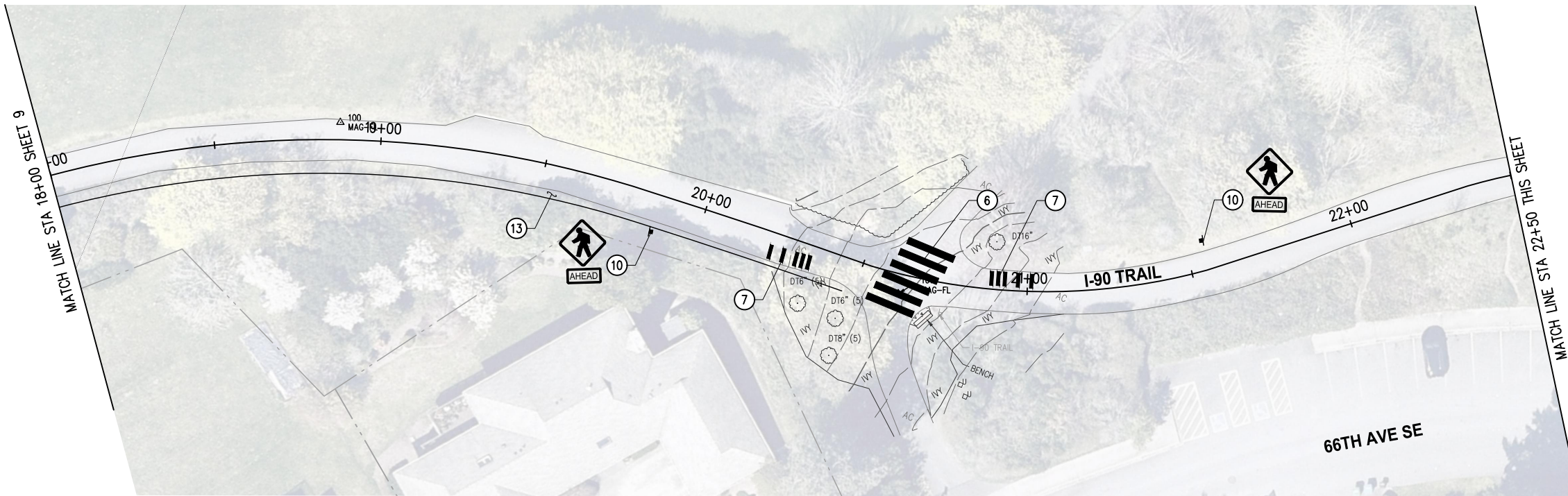
KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

**30% REVIEW
SUBMITTAL**



**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 8 OF 14



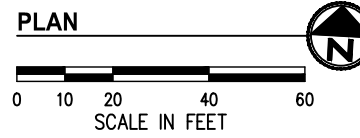
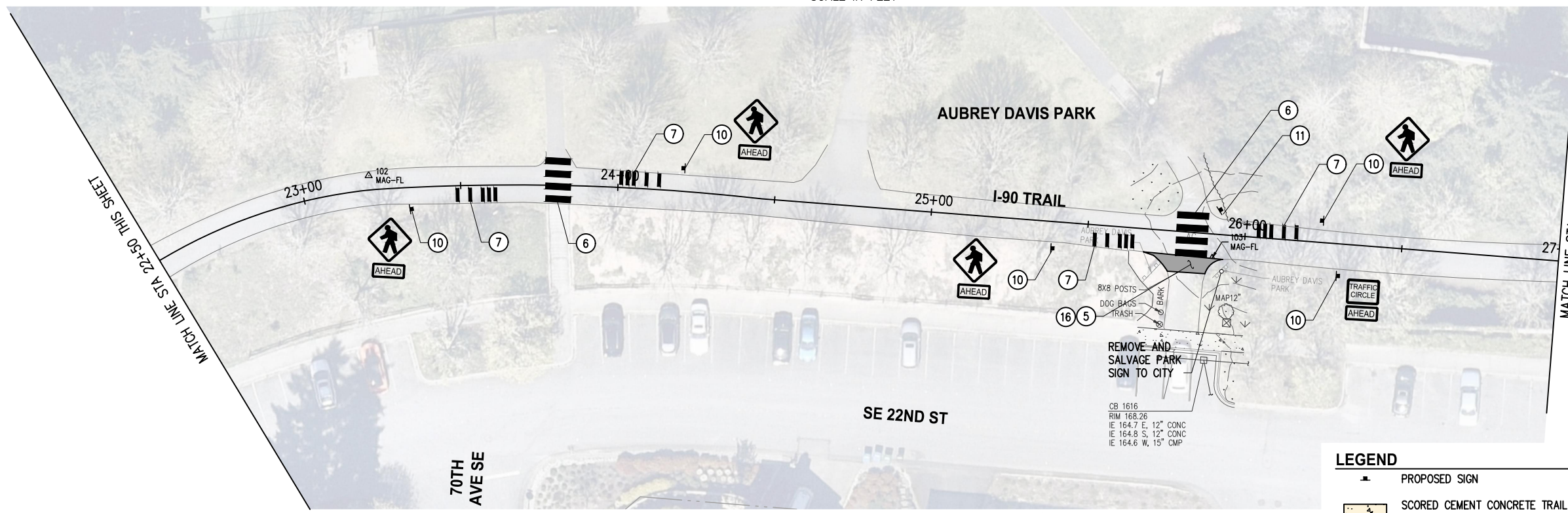
GENERAL NOTES

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

CONSTRUCTION NOTES

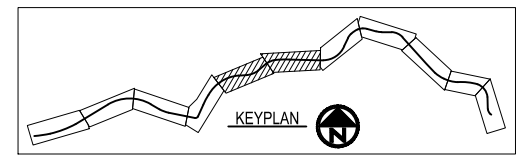
- INSTALL HMA CL 1/2" PG58H-22 FOR WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- INSTALL THERMOPLASTIC CROSSWALK PER DETAIL, SHEET 14.
- INSTALL THERMOPLASTIC BAR PER DETAIL, SHEET 14.
- INSTALL REGULATORY SIGN.
- INSTALL WAYFINDING SIGN.
- RESTORE TRAIL SHOULDER, SHEET 14.
- LAWN RESTORATION.
- REMOVE BOLLARDS WITHIN PAVEMENT LIMITS.

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL



LEGEND

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



K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:24 PM

NO.	DATE	BY	APPR.	REVISIONS

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

KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

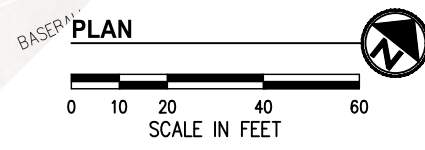
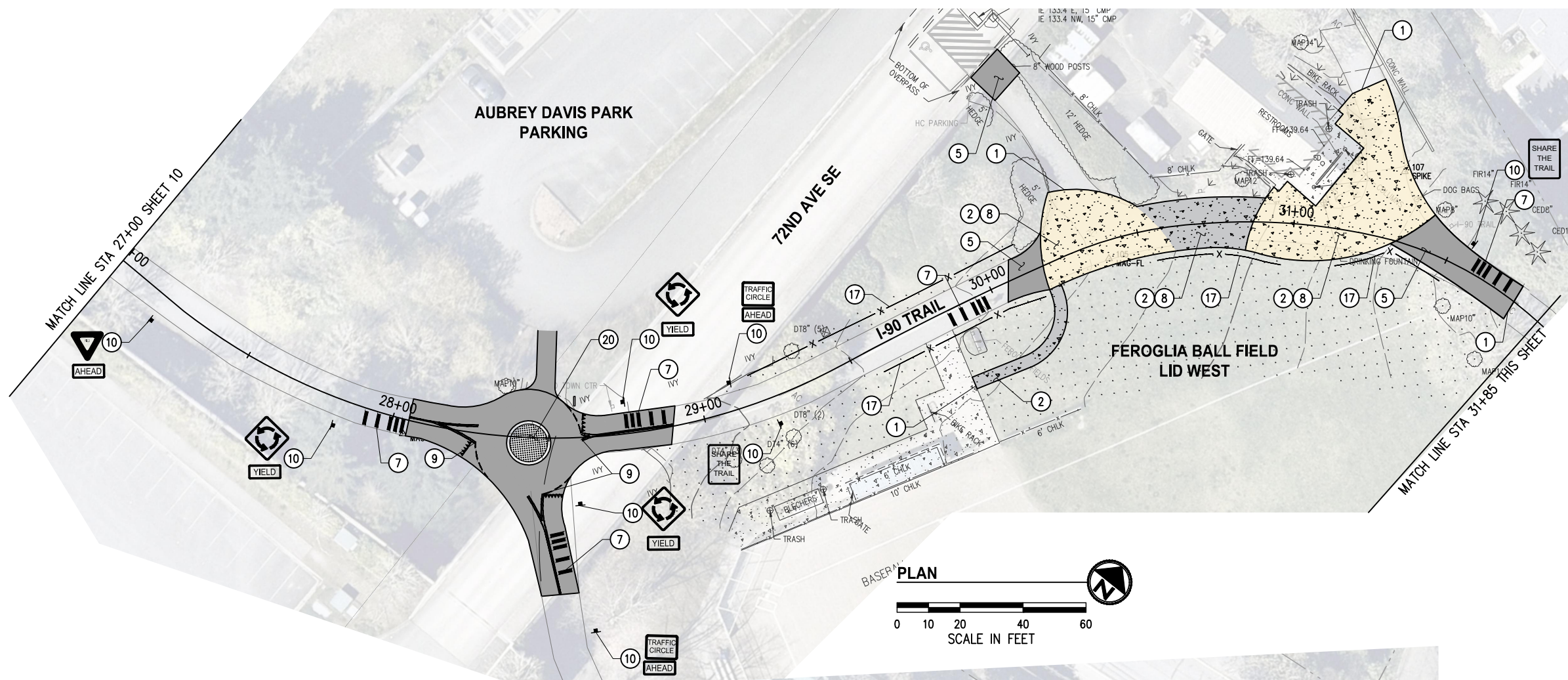
**30% REVIEW
SUBMITTAL**



**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 10 OF 14

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:04 PM



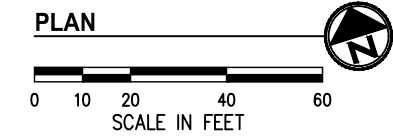
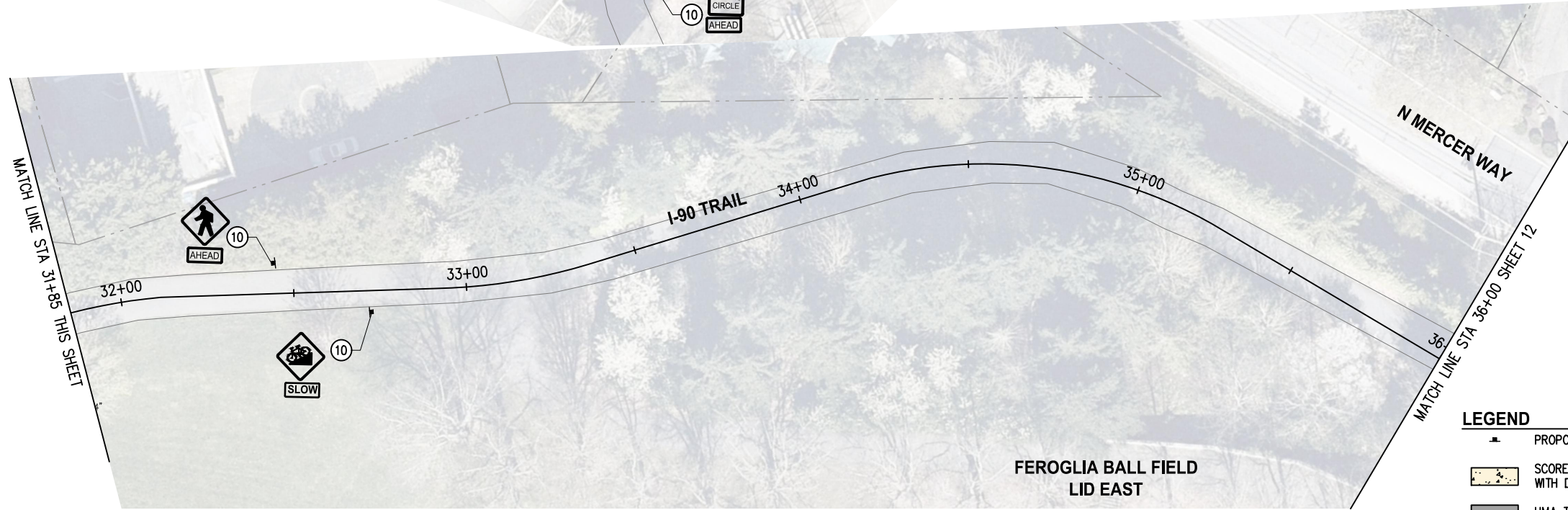
GENERAL NOTES

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

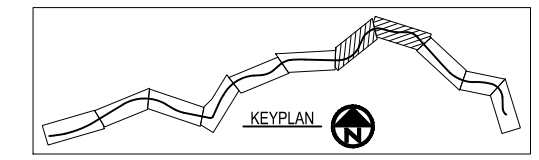
- ① MATCH EXISTING.
- ② CONSTRUCT CEMENT CONC SIDEWALK. SEE TYPICAL SECTION, SHEET 14.
- ⑤ INSTALL HMA CL 1/2" PG58H-22 FOR WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- ⑦ INSTALL THERMOPLASTIC BAR PER DETAIL, SHEET 14.
- ⑧ INSTALL DECORATIVE SCORED CEMENT CONCRETE PLAZA.
- ⑨ INSTALL 4" WIDE, YELLOW, PAINT LINE.
- ⑩ INSTALL REGULATORY SIGN.
- ⑯ REMOVE BOLLARDS WITHIN PAVEMENT LIMITS.
- ⑰ INSTALL LOW FENCING.
- ⑳ GRASS PLANTING AREA

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL



LEGEND

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



NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

21098TRAIL.dwg
FILENAME

KPG
PSOMAS

Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

**30% REVIEW
SUBMITTAL**

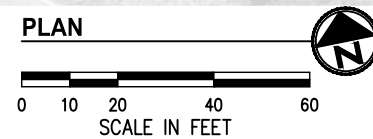
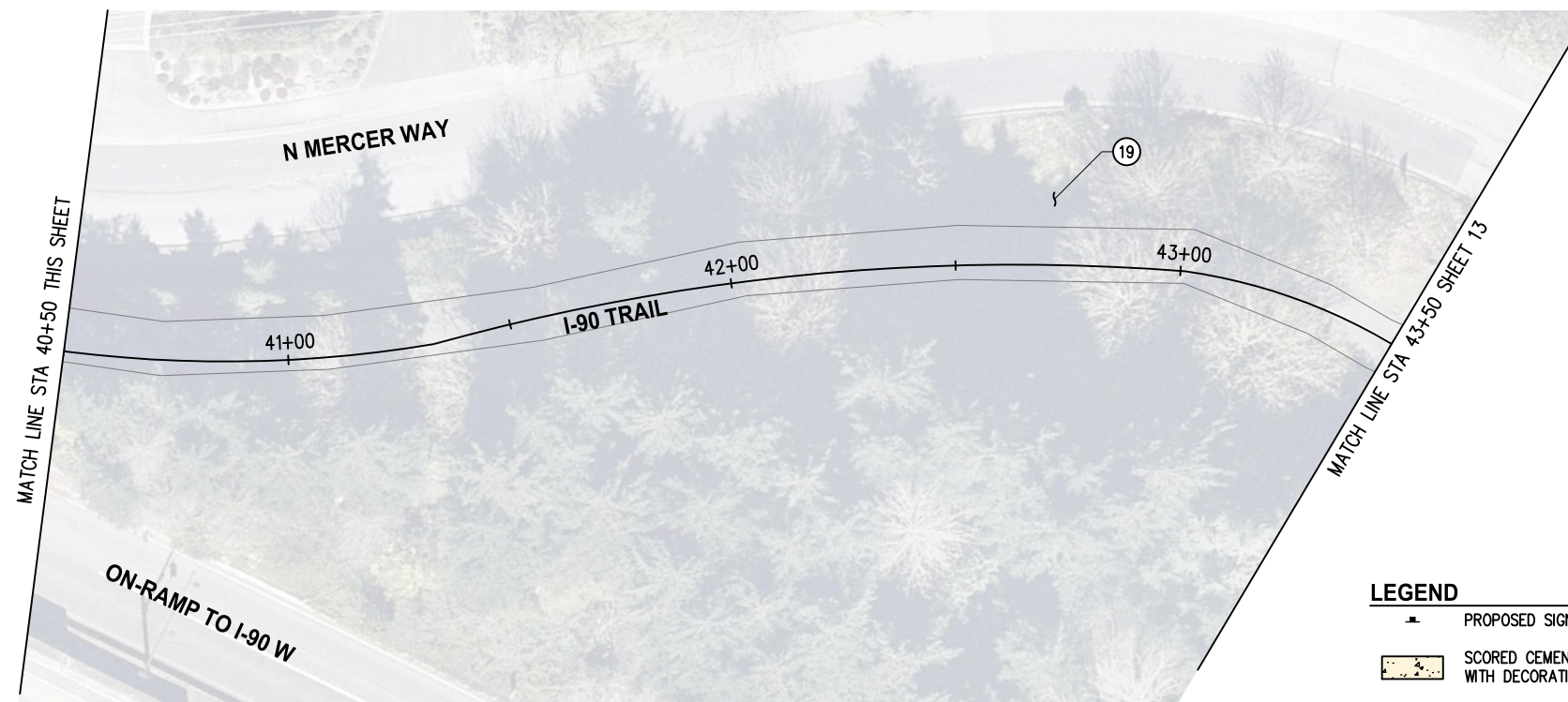
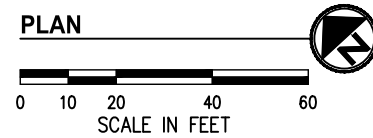
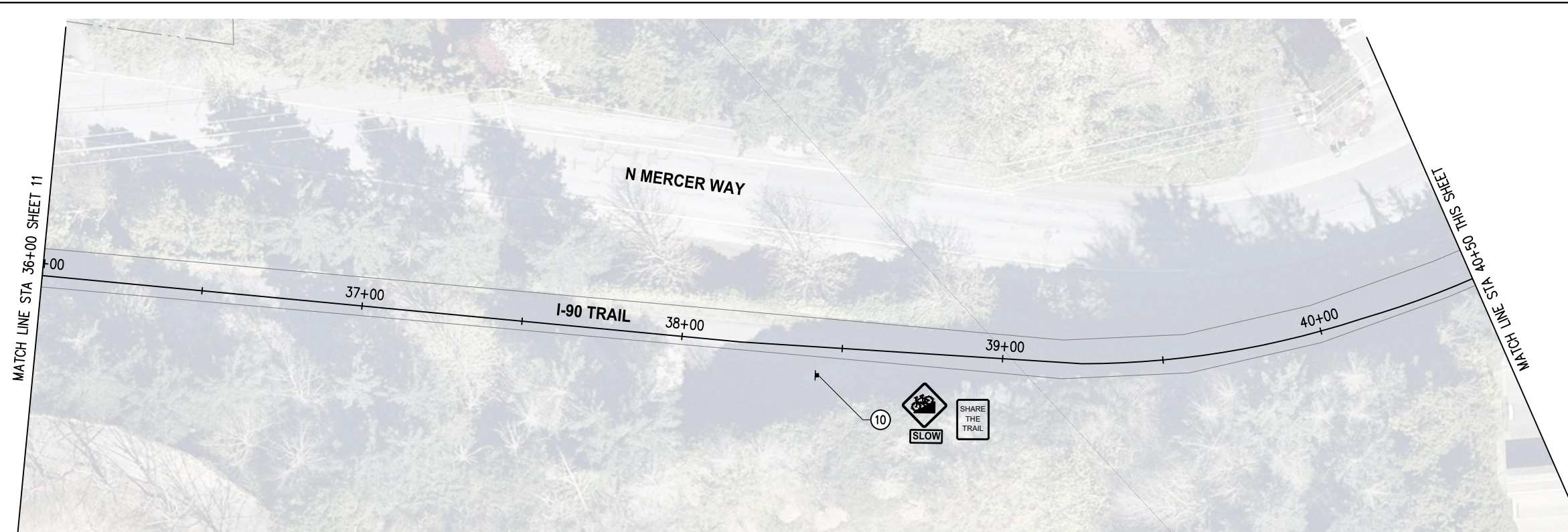


CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

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

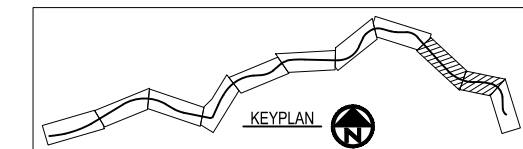
KPG PROJECT No. 21098 SHT 11 OF 14

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:04 PM



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.

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.

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE

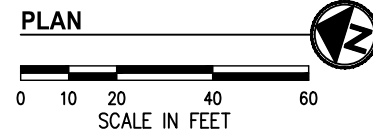
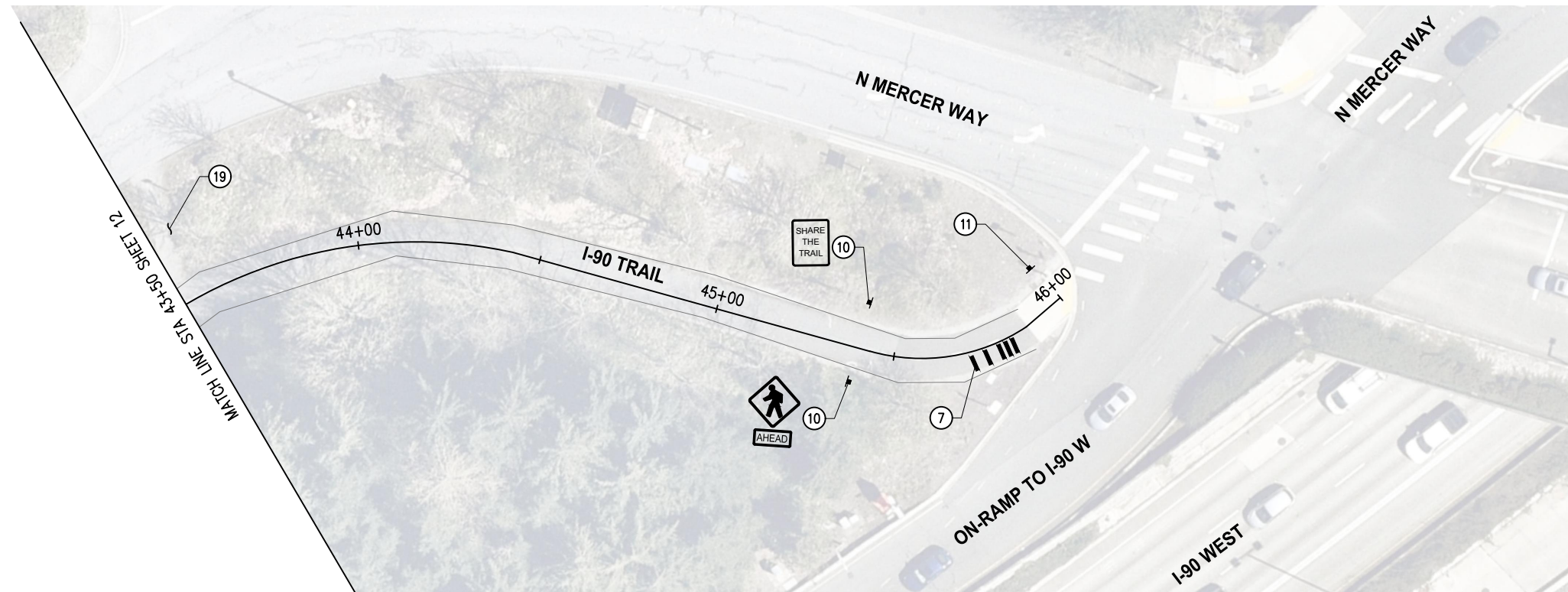
KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

30% REVIEW SUBMITTAL



CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL.dwg 9/1/2022 5:04 PM



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.

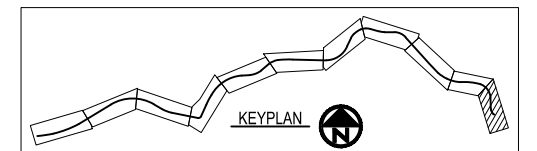
CONSTRUCTION NOTES

7. INSTALL THERMOPLASTIC 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.

NOTE: REGULATORY SIGNS SHOWN ARE PLACE HOLDERS, CONTENT TO BE CONFIRMED BY 60% SUBMITTAL

LEGEND

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



NO.	DATE	BY	APPR.	REVISIONS

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

KPG
PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

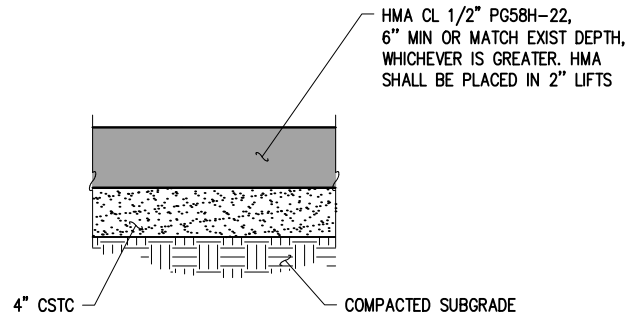
**30% REVIEW
SUBMITTAL**



CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

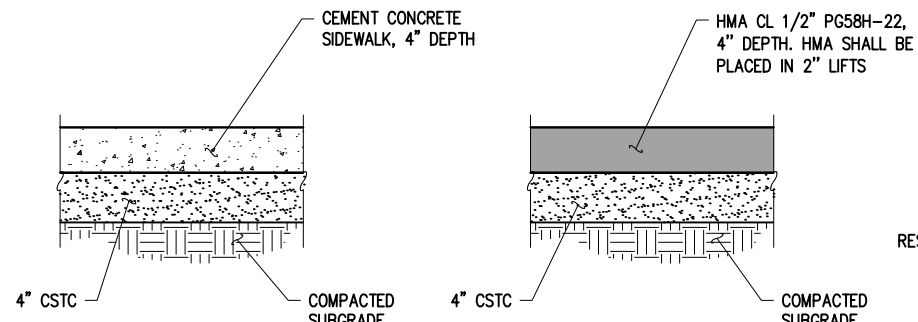
TRAIL IMPROVEMENT PLANS
STA 43+50 TO STA 46+00

K:\PROJECTS\MERCER IS\21098-Aubrey Davis Park Improvements\DESIGN\Drawings\Contract\21098TRAIL-DET.dwg 9/1/2022 5:04 PM



HMA ROADWAY PAVEMENT SECTIONS

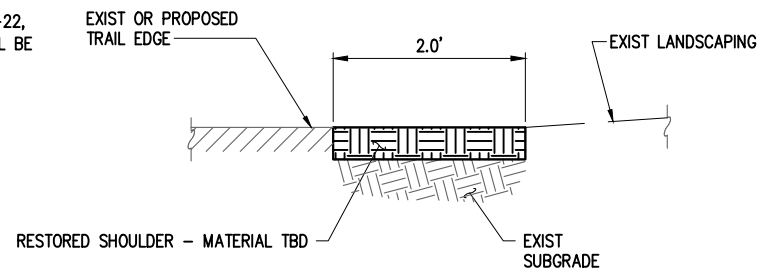
NTS



CEMENT CONCRETE TRAIL SECTION FOR PLAZA AND TRAIL

TYPICAL TRAIL SECTIONS

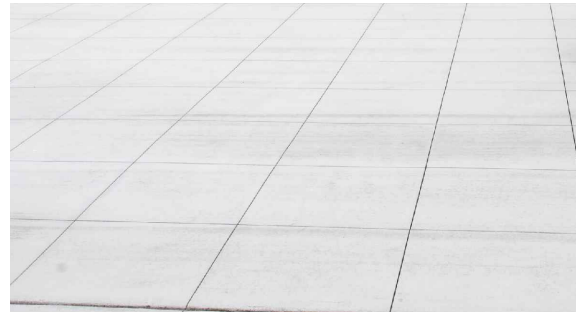
NTS



INSTALL WHERE SHOWN ON PLANS
RESTORED SHOULDER SECTION
NTS

TYPICAL SECTION GENERAL NOTES

1. SIDEWALKS SHALL PROVIDE A MINIMUM OF 5.0' CLEAR PEDESTRIAN WALKING ZONE.
2. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
3. 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.
4. EMBANKMENTS SHALL BE CONSTRUCTED PER SECTION 2-03 OF THE STANDARD SPECIFICATIONS.
5. 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.
6. WHERE EXISTING EDGE OF PAVEMENT IS LESS THAN 2.0' FROM PROPOSED GUTTER PAN, CONTRACTOR SHALL SAWCUT AND REMOVE PAVEMENT AS REQUIRED TO PROVIDE 2.0' MINIMUM CLEARANCE.
7. MAXIMUM COMPACTED HMA LIFT THICKNESS SHALL NOT EXCEED 0.17'.
8. ACCESS TO ADJACENT PROPERTY MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY ENGINEER.
9. 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.



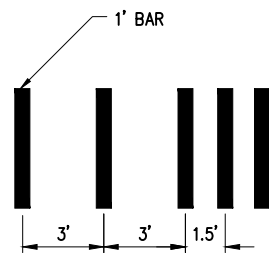
SCORED CONCRETE EXAMPLE



SANDBLASTED CONCRETE EXAMPLE



SAWCUT CONCRETE EXAMPLE



THERMOPLASTIC BARS

NTS

NO.	DATE	BY	APPR.	REVISIONS

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

KPG
PSOMAS

Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

30% REVIEW SUBMITTAL



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