



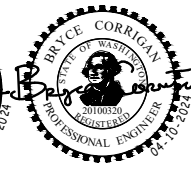
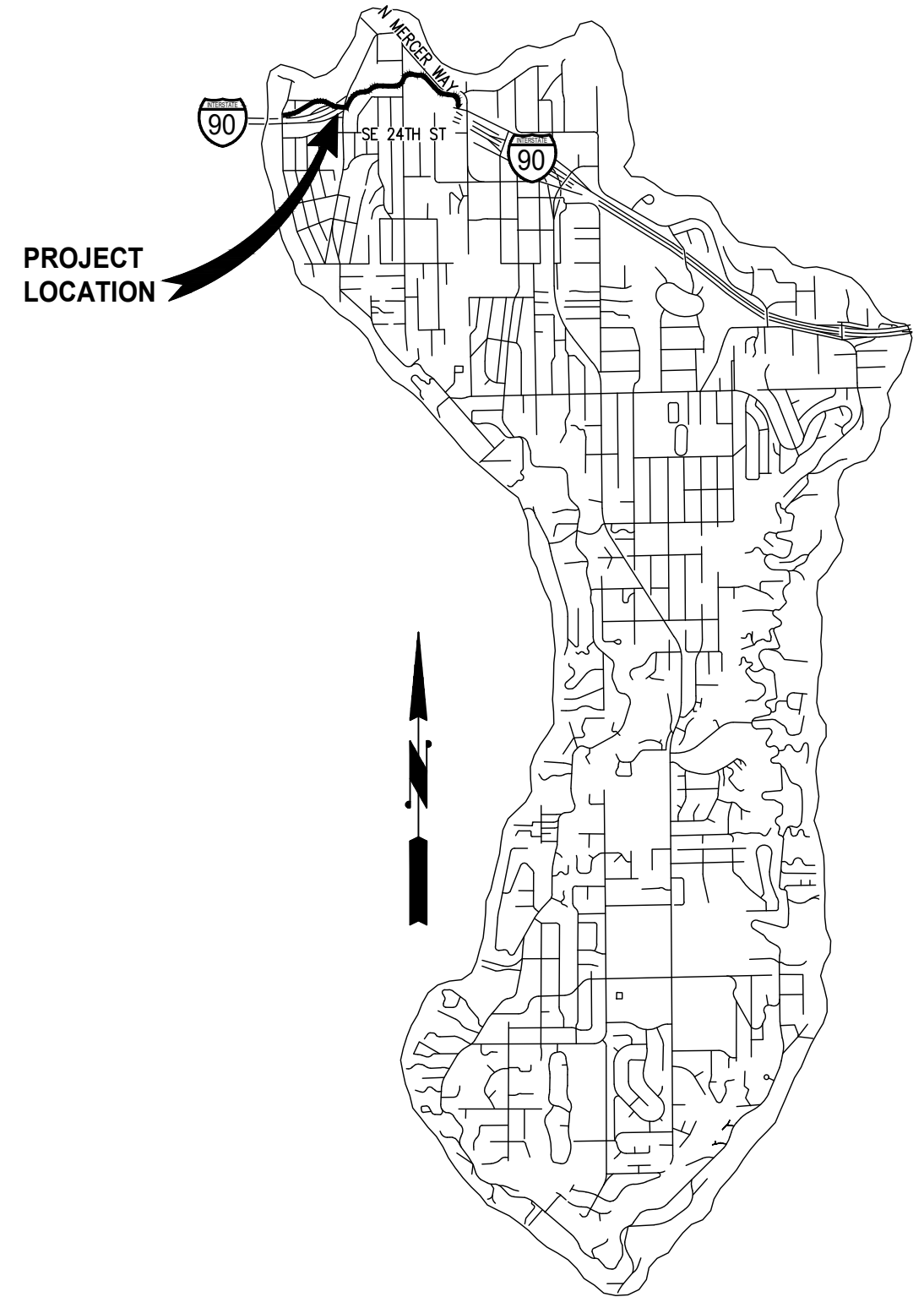
CITY OF MERCER ISLAND

AUBREY DAVIS PARK TRAIL SAFETY IMPROVEMENTS APRIL 2024

CITY PROJECT NUMBER: 24-13

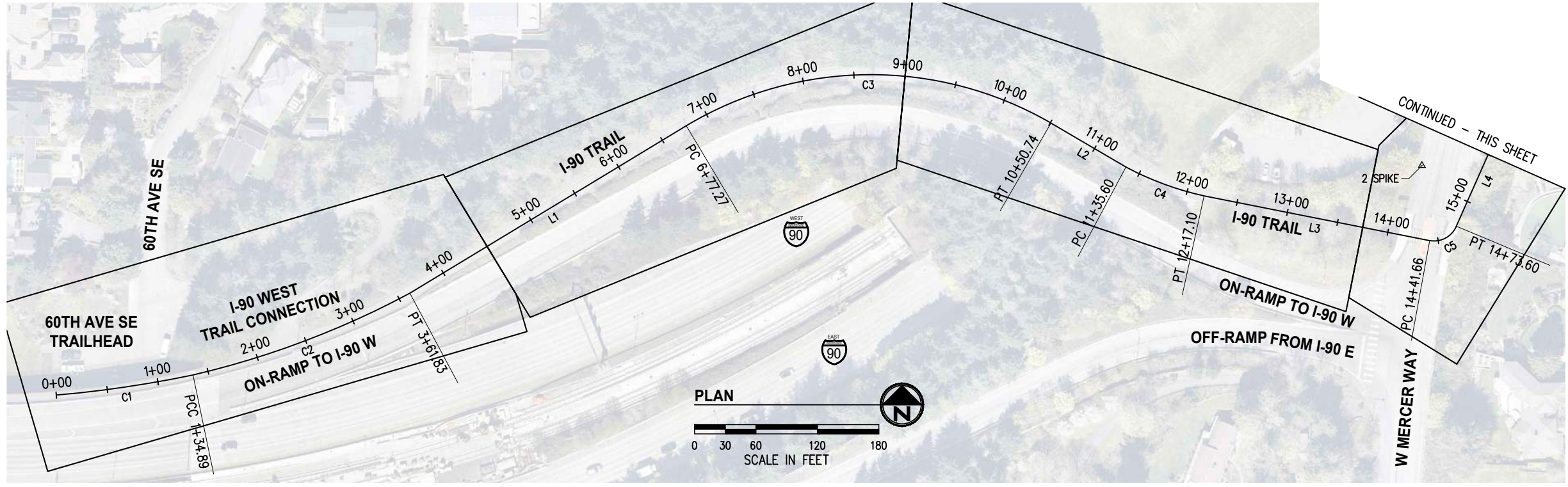
SCHEDULE OF DRAWINGS

SHEET	DRAWINGS
1	COVER SHEET
2-3	SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA
4	TEMPORARY BIKE DETOUR
5	TEMPORARY TRAFFIC CONTROL
6-7	TESC AND SITE PREPARATION PLANS
8	TESC AND SITE PREPARATION DETAILS
9-14	TRAIL IMPROVEMENT PLANS
15-18	TRAIL IMPROVEMENT DETAILS
19	LANDSCAPE RESTORATION PLANS
20-21	LANDSCAPE SCHEDULE AND DETAILS
22-23	TRAIL ILLUMINATION PLAN AND DETAILS
24	IRRIGATION RESTORATION PLANS
25	IRRIGATION SCHEDULE AND DETAILS



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

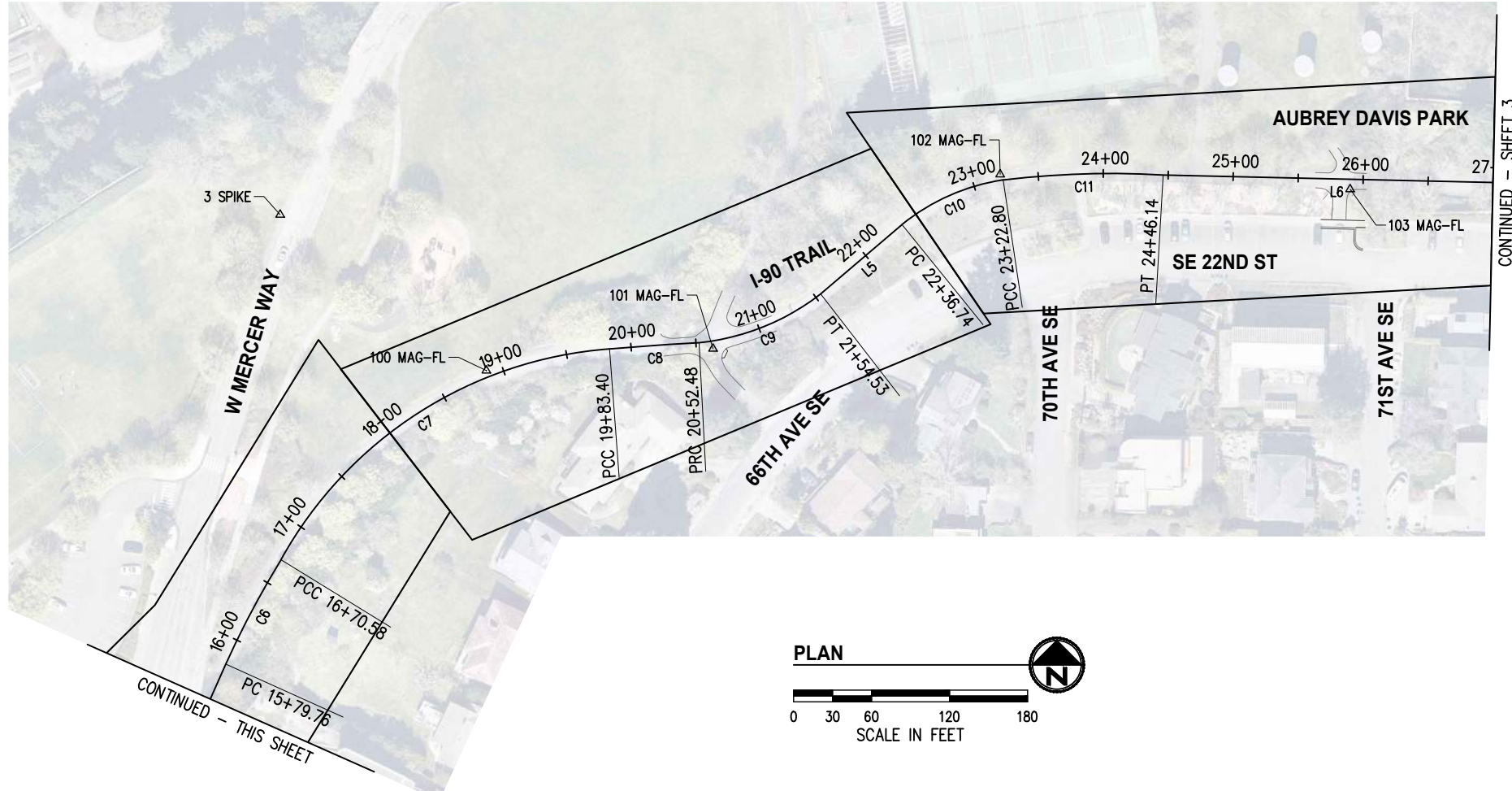
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DOCUMENTS



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.



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.

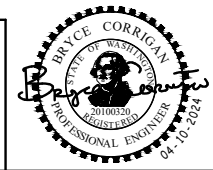
CONTROL POINT LIST

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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NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098SURVCTRL.dwg
ENGINEERING MANAGER	DATE	BCC 04/24
PROJECT MANAGER	DATE	DESIGNED BY BCC 04/24
PROJECT ENGINEER	DATE	DRAWN BY BMC 04/24
	DATE	CHECKED BY 04/24



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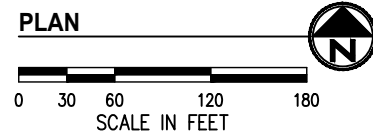
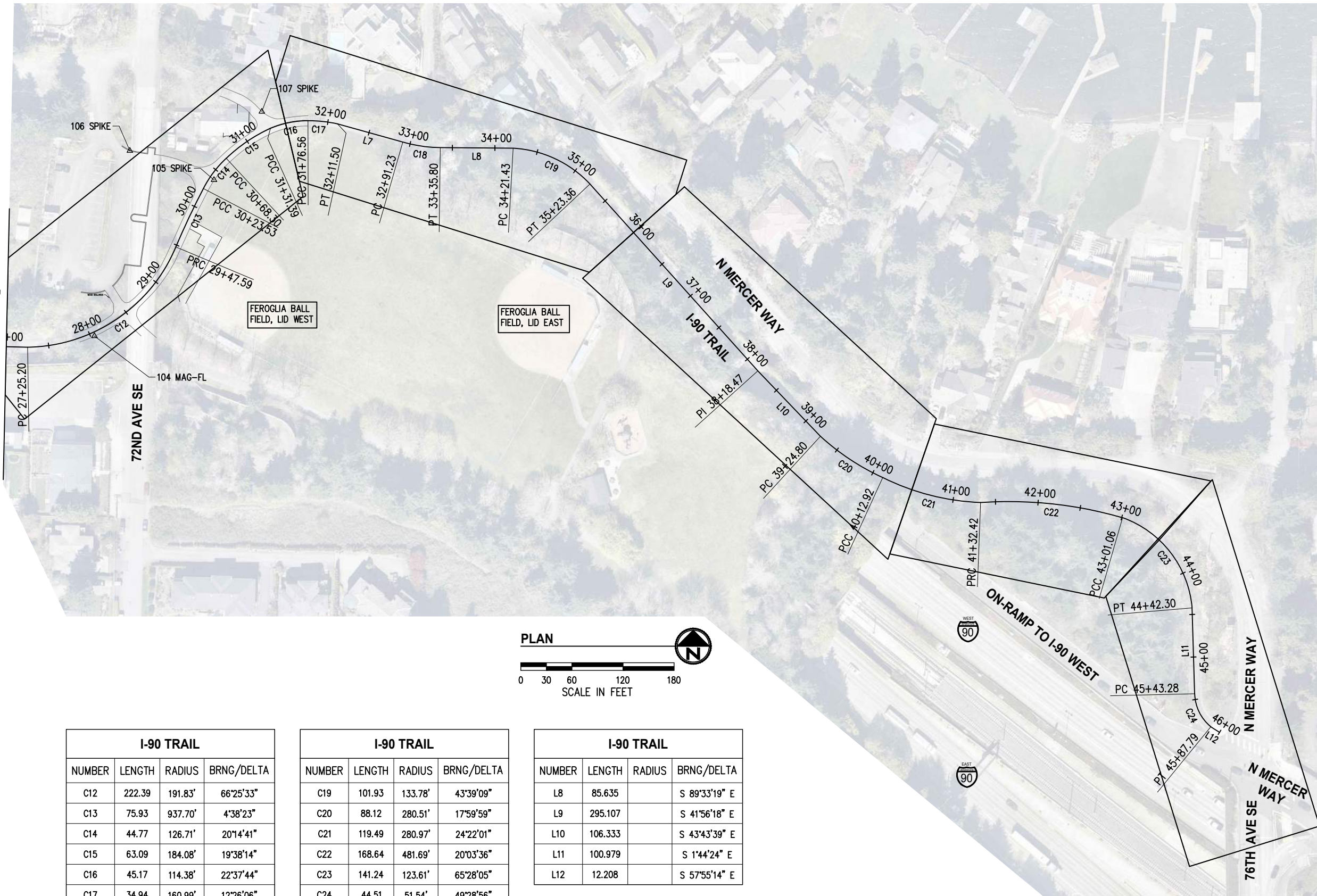


**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA - 1	
KPG PROJECT No. 21098	SHT <u>2</u> OF <u>25</u>

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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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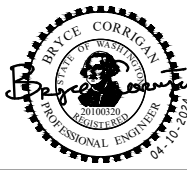
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 VERTICAL DATUM: NAVD 88
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NO.	DATE	BY	APPR.	REVISIONS

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ENGINEERING MANAGER	DATE	BCC 04/24
PROJECT MANAGER	DATE	DESIGNED BY 04/24
PROJECT ENGINEER	DATE	BCC 04/24
	DATE	DRAWN BY 04/24
	DATE	BMC 04/24
	DATE	CHECKED BY 04/24



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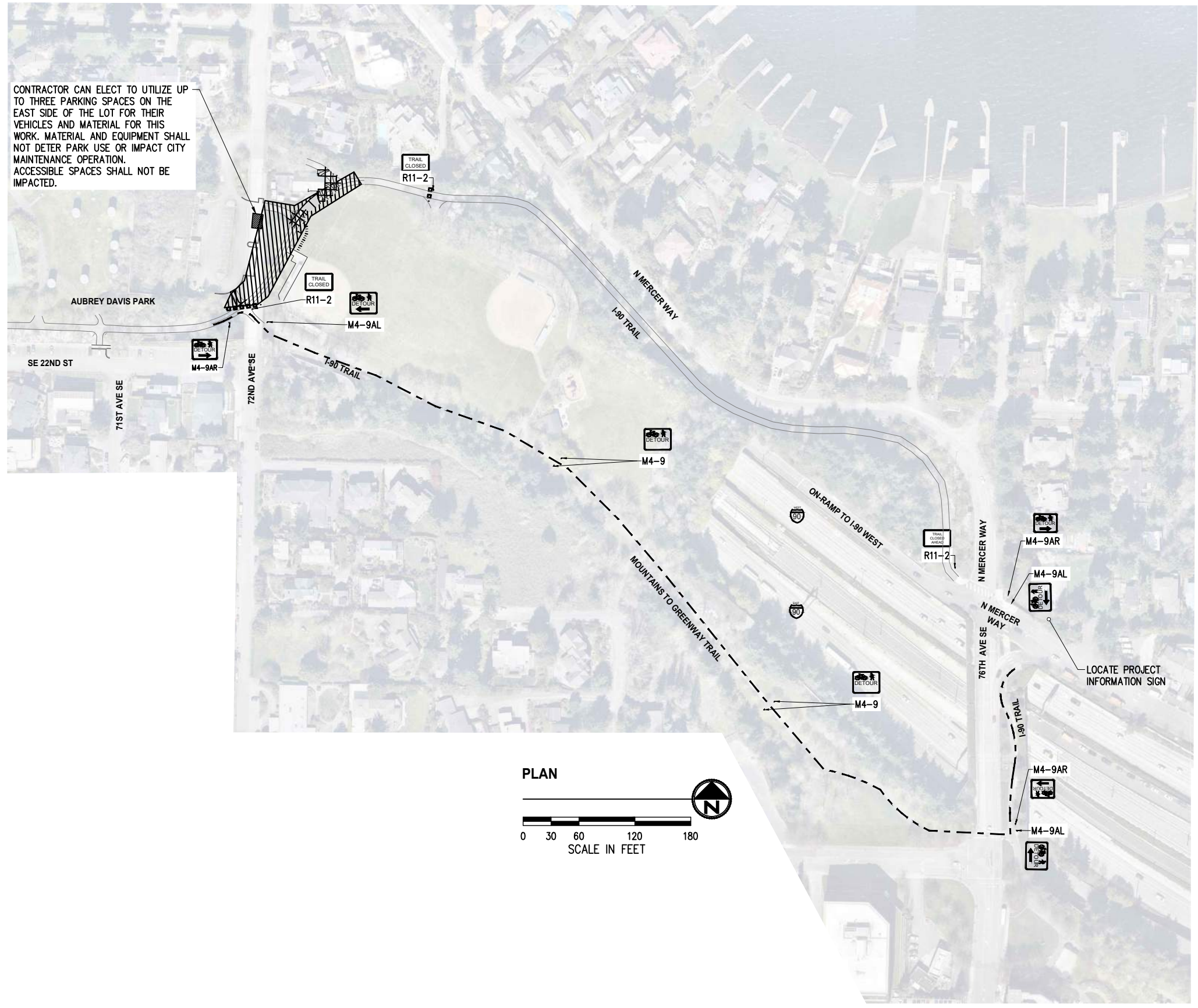
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CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS

SHEET INDEX, SURVEY CONTROL AND ALIGNMENT DATA - 2	
KPG PROJECT No. 21098	SHT <u>3</u> OF <u>25</u>

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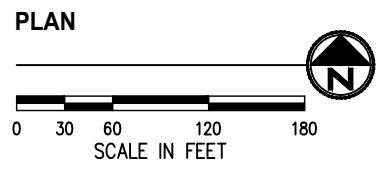
CONTRACTOR CAN ELECT TO UTILIZE UP TO THREE PARKING SPACES ON THE EAST SIDE OF THE LOT FOR THEIR VEHICLES AND MATERIAL FOR THIS WORK. MATERIAL AND EQUIPMENT SHALL NOT DETER PARK USE OR IMPACT CITY MAINTENANCE OPERATION. ACCESSIBLE SPACES SHALL NOT BE IMPACTED.

GENERAL NOTES

1. MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
2. ALL BICYCLE AND PEDESTRIAN TRAFFIC CONTROL TO COMPLY WITH MUTCD REQUIREMENTS.
3. MINIMUM TEMPORARY TWO WAY BIKE LANE WIDTHS SHALL BE 10'. PEDESTRIAN MINIMUM WALKWAY WIDTH SHALL BE 5'.
4. ALL CONSTRUCTION SIGNS ARE CLASS C UNLESS DESIGNATED OTHERWISE.
5. THE CONTRACTOR IS REQUIRED TO PROVIDE PEDESTRIAN ACCESS PER SECTION 1-10 OF SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL NOTIFY THE CITY'S PROJECT MANAGER IMMEDIATELY SHOULD TRAFFIC CONTROL CONFLICTS, COORDINATION, AND SAFETY CONCERNS ARISE.
7. WORK IN THIS AREA SHALL CONFORM TO SCHEDULE PROVISIONS IN SPECIAL PROVISION 1-08.3(2)B.
8. CONTRACTOR SHALL PLACE MESSAGE BOARD AND OTHER DETOUR WARNING SIGNS AT THE WEST MERCER WAY CROSSING AD AT THE NE CORNER OF N MERCER WAY AND 76TH AVE SE.

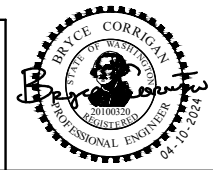
TRAFFIC CONTROL LEGEND

- TEMPORARY TRAFFIC CONTROL SIGN
- SAFETY CONES
- WORK ZONE
- TEMPORARY BIKE AND PEDESTRIAN DETOUR ROUTE



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TEMPBIKEDETOUR.dwg
ENGINEERING MANAGER	DATE	BCC 04/24
PROJECT MANAGER	DATE	DESIGNED BY 04/24
PROJECT ENGINEER	DATE	DRAWN BY 04/24
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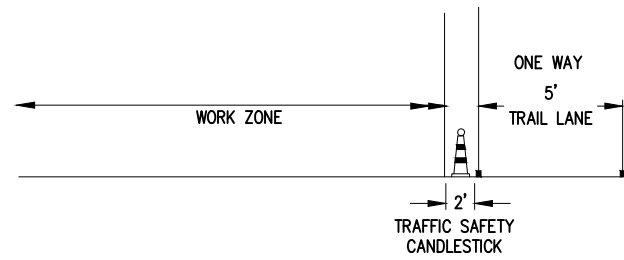
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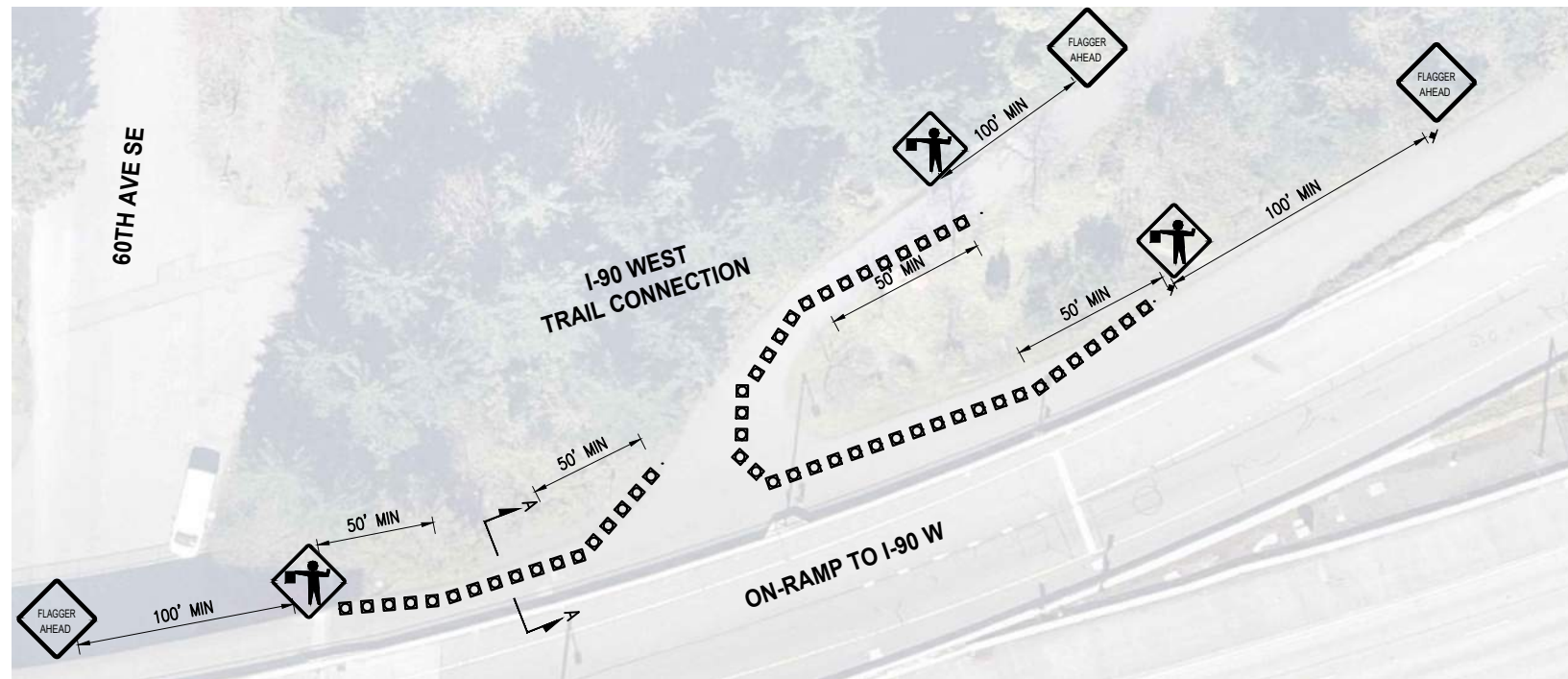
CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

TEMPORARY BIKE DETOUR AND STAGING AREA	
KPG PROJECT No. 21098	SHT 4 OF 25

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TYPICAL SECTION A-A



TYPICAL INTERSECTION TRAFFIC CONTROL PLAN
NTS

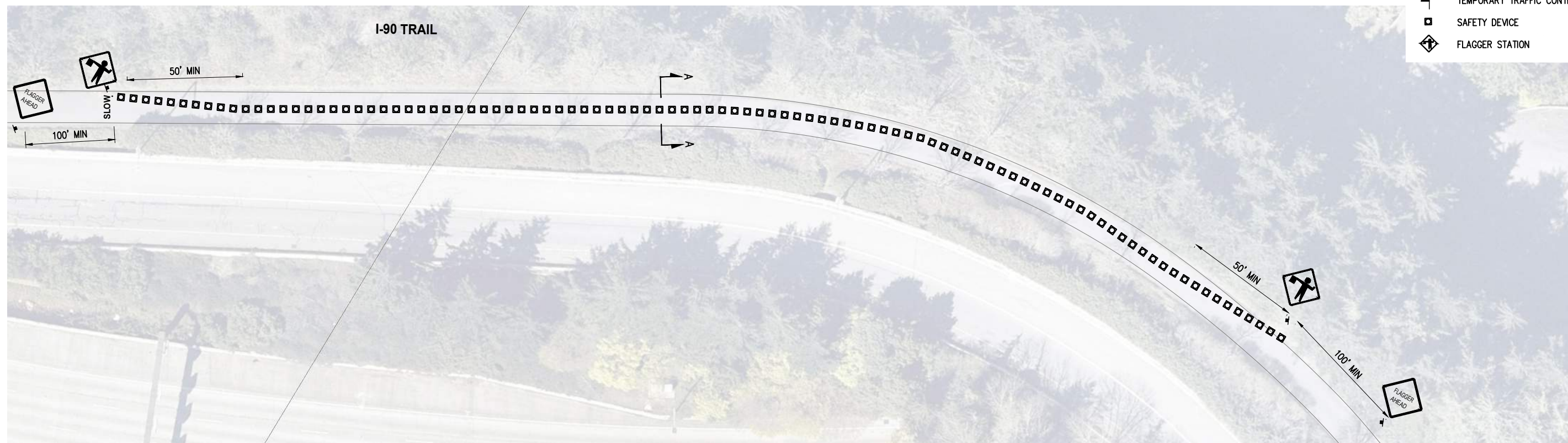


GENERAL NOTES

1. MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
2. ALL BICYCLE AND PEDESTRIAN TRAFFIC CONTROL TO COMPLY WITH MUTCD REQUIREMENTS.
3. MINIMUM TEMPORARY TWO WAY BIKE LANE WIDTHS SHALL BE 10'. MINIMUM TEMPORARY PEDESTRIAN AND ONE WAY BIKE LANE WIDTH SHALL BE 5'.
4. ALL CONSTRUCTION SIGNS ARE CLASS C UNLESS DESIGNATED OTHERWISE.
5. THE CONTRACTOR IS REQUIRED TO PROVIDE PEDESTRIAN ACCESS PER SECTION 1-10 OF SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL NOTIFY THE CITY'S PROJECT MANAGER IMMEDIATELY SHOULD TRAFFIC CONTROL CONFLICTS, COORDINATION, AND SAFETY CONCERNS ARISE.
7. DURING WORKING HOURS THE CONTRACTOR SHALL TEMPORARILY CLOSE ONLY ONE HALF OF TRAIL AT ANY GIVEN TIME, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY.
8. CONTRACTOR SHALL PLACE APPLICABLE WARNING SIGNS A MINIMUM OF 150' BEFORE WORK ZONE.
9. WORK OUTSIDE OF 28+00 - 32+00 SHALL BE PERFORMED BETWEEN 8AM AND 4PM. TRAIL SHALL RESUME FULL USE AT THE END OF EACH WORK DAY

TRAFFIC CONTROL LEGEND

- TEMPORARY TRAFFIC CONTROL SIGN
- SAFETY DEVICE
- ⬠ FLAGGER STATION

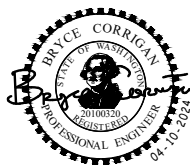


TYPICAL SHOULDER TRAFFIC CONTROL PLAN
NTS



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TEMPBIKEDETOUR.dwg
ENGINEERING MANAGER	DATE	BMC 04/24
DESIGNED BY	DATE	BMC 04/24
PROJECT MANAGER	DATE	BMC 04/24
DRAWN BY	DATE	BMC 04/24
PROJECT ENGINEER	DATE	CHECKED BY DATE



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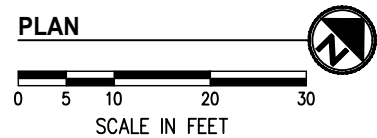
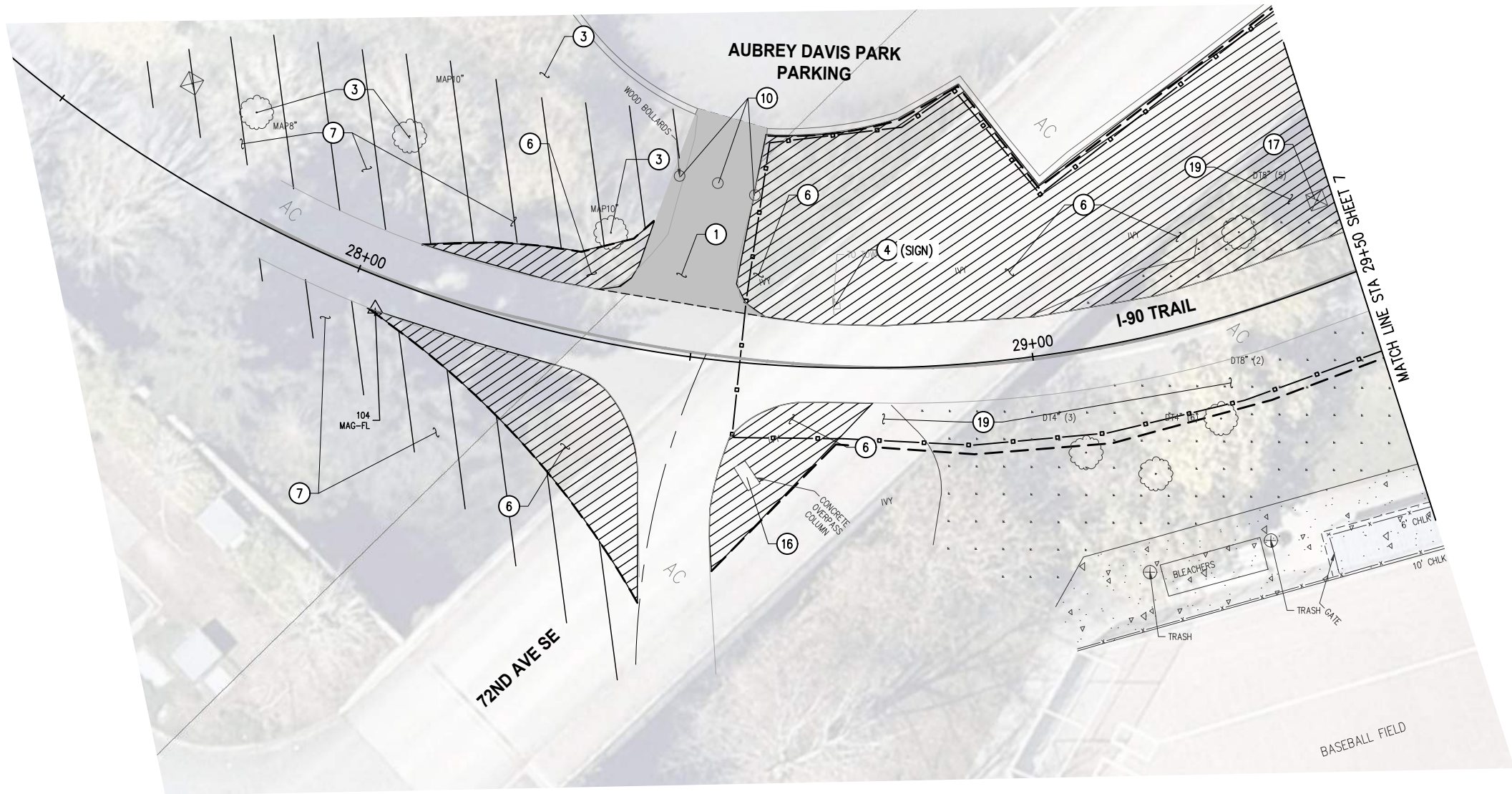
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CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

TYPICAL TEMPORARY TRAFFIC CONTROL

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GENERAL NOTES

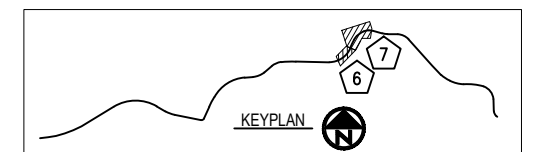
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. RESTROOM FACILITY SHALL REMAIN OPEN TO PUBLIC FOR GENERAL USE EXCEPT WHILE WORK IS BEING PERFORMED FROM STA 28+00 - STA 32+00.
5. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES TO MINIMIZE SEDIMENT MIGRATION INTO STREAMS AND STORM DRAINAGE SYSTEMS.
6. THE CONTRACTOR SHALL RECOGNIZE THAT WORK IN THIS AREA (STA 28+00 - STA 32+00) IS SUBJECT TO THE PROVISIONS OF 1-08.3(2)B AND 1-10.
7. PRIOR TO STARTING WORK, CONTRACTOR TO VERIFY WITH COMI PARKS DEPARTMENT LOCATION OF EXISTING IRRIGATION VALVES, IN ALL AREAS NOTED FOR CLEAR AND GRUB. SAVE AND PROTECT VALVES AND VALVE BOXES.

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ③ PRESERVE AND PROTECT.
- ④ REMOVE.
- ⑥ CLEAR AND GRUB AREA, SAVE AND PROTECT SANITARY SEWER CLEAN OUT THIS AREA. RELOCATE IRRIGATION VALVES PER NOTE 20 THIS SHEET.
- ⑦ TRIM/PRUNE EXISTING TREE(S) 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 PUBLIC WORKS DEPARTMENT PRIOR TO START OF WORK.
- ⑩ REMOVE BOLLARDS.
- ⑯ PROTECT CONCRETE OVERPASS COLUMN, REMOVE VEGETATION BUT DO NOT DISTURB SUBGRADE MORE THAN 12" DEPTH WITHIN 2' CLEAR OF COLUMN.
- ⑰ SAVE AND PROTECT EXISTING VALVE BOX.
- ⑲ SAVE AND PROTECT EXISTING WATER LINE LOCATED IN THIS AREA (EXTENDS TO RESTROOM FACILITIES). VERIFY WITH COMI LOCATION OF WATER LINE PRIOR TO START OF CONSTRUCTION ACTIVITIES. SEE SPECIFICATIONS FOR WATER LINE LOCATION REFERENCE PLAN

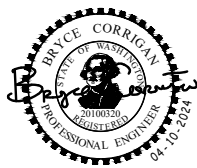
LEGEND

- REMOVE CEMENT CONC PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE CURB AND GUTTER
- REMOVE DECIDUOUS TREE
- SAWCUT
- TEMPORARY CHAIN LINK FENCE
- CLEARING LIMITS
- LANDSCAPE RESTORATION
- SELECTIVE VEGETATION TRIMMING AND PRUNING AREA



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TESC-SP.dwg
ENGINEERING MANAGER	DATE	FILENAME BMC 04/24
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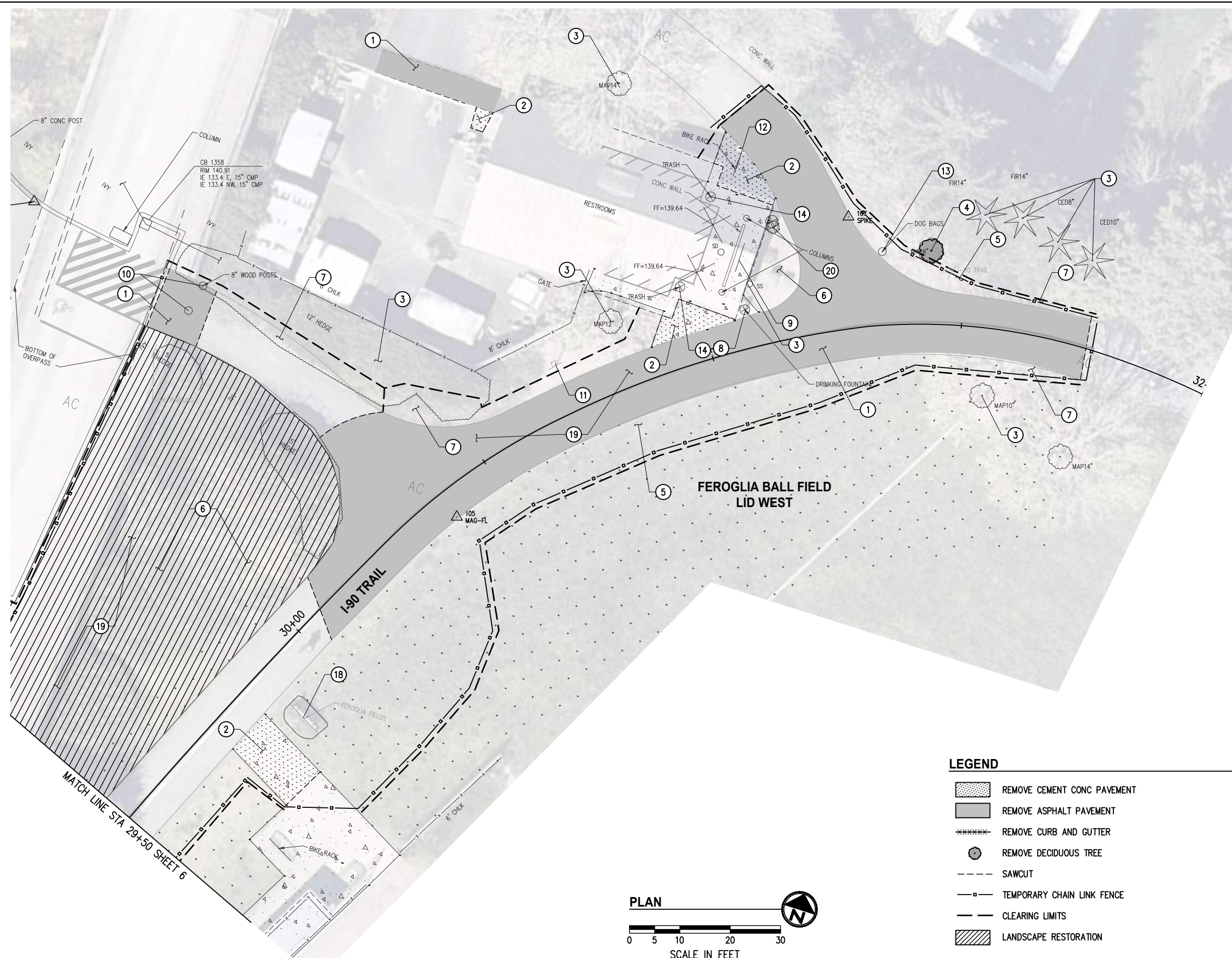
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TESC AND SITE PREPARATION PLANS
STA 28+00 TO STA 29+50

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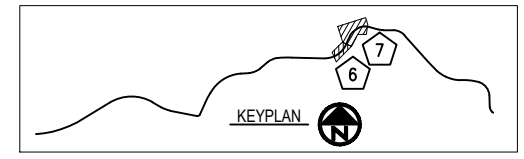
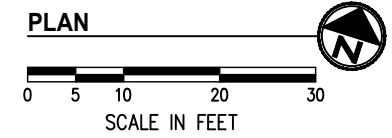


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- ### CONSTRUCTION NOTES
- SAWCUT AND REMOVE ASPHALT PAVEMENT.
 - SAWCUT AND REMOVE CONCRETE PAVEMENT. SEE SHEET 15 FOR PROPOSED CEMENT CONCRETE NODE AREA LAYOUT.
 - PRESERVE AND PROTECT.
 - REMOVE.
 - REMOVE GROUND COVER/GRASS AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
 - CLEAR AND GRUB AREA, SAVE AND PROTECT SANITARY SEWER CLEAN OUT THIS AREA. RELOCATE IRRIGATION VALVES PER NOTE 20 THIS SHEET.
 - TRIM/PRUNE EXISTING TREE(S) 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 PUBLIC WORKS DEPARTMENT PRIOR TO START OF WORK.
 - REMOVE DRINKING FOUNTAIN. CUT AND CAP SUPPLY LINE. MARK ON SURFACE FOR FUTURE CONNECTION OF NEW DRINKING FOUNTAIN.
 - EXISTING BENCH TO REMAIN. SAVE AND PROTECT.
 - REMOVE BOLLARDS.
 - PRESERVE AND PROTECT PEACE POLE.
 - REMOVE BIKE RACK. CONTRACTOR SHALL STORE FOR REINSTALLATION.
 - REMOVE DOG WASTE BAG DISPENSER. CONTRACTOR SHALL STORE FOR REINSTALLATION.
 - EXISTING TRASH CONTAINERS. SAVE AND PROTECT.
 - REMOVE PARK SIGNAGE.
 - SAVE AND PROTECT EXISTING WATER LINE LOCATED IN THIS AREA (EXTENDS TO RESTROOM FACILITIES). VERIFY WITH COMI LOCATION OF WATER LINE PRIOR TO START OF CONSTRUCTION ACTIVITIES. SEE SPECIFICATIONS FOR WATER LINE LOCATION REFERENCE PLAN.
 - EXISTING IRRIGATION VALVES TO BE RELOCATED. COORDINATE WITH COMI PARKS DEPARTMENT TO EXTEND AND/OR CAP EXISTING IRRIGATION LINES AND WIRING TO NEW LOCATION AS SHOWN ON SHEET 24.

LEGEND

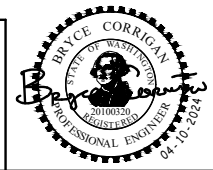
- REMOVE CEMENT CONC PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE CURB AND GUTTER
- REMOVE DECIDUOUS TREE
- SAWCUT
- TEMPORARY CHAIN LINK FENCE
- CLEARING LIMITS
- LANDSCAPE RESTORATION



NO.	DATE	BY	APPR.	REVISIONS

Approved By

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



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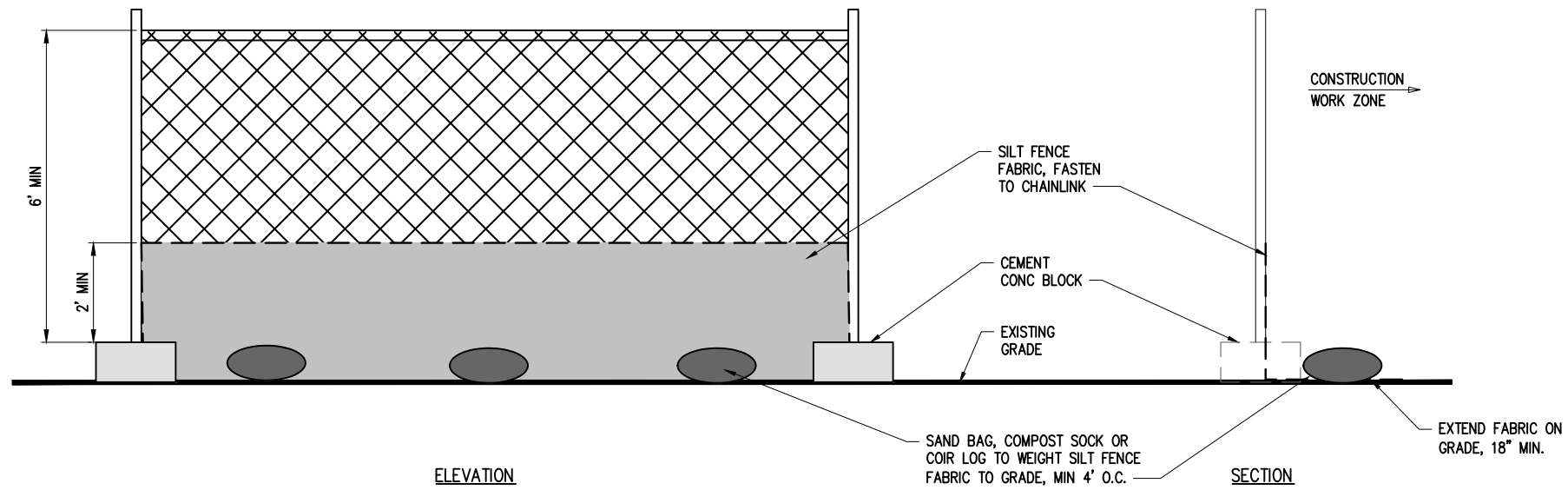
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TESC AND SITE PREPARATION PLANS
STA 29+50 TO STA 32+00

KPG PROJECT No. 21098 SHT 7 OF 25

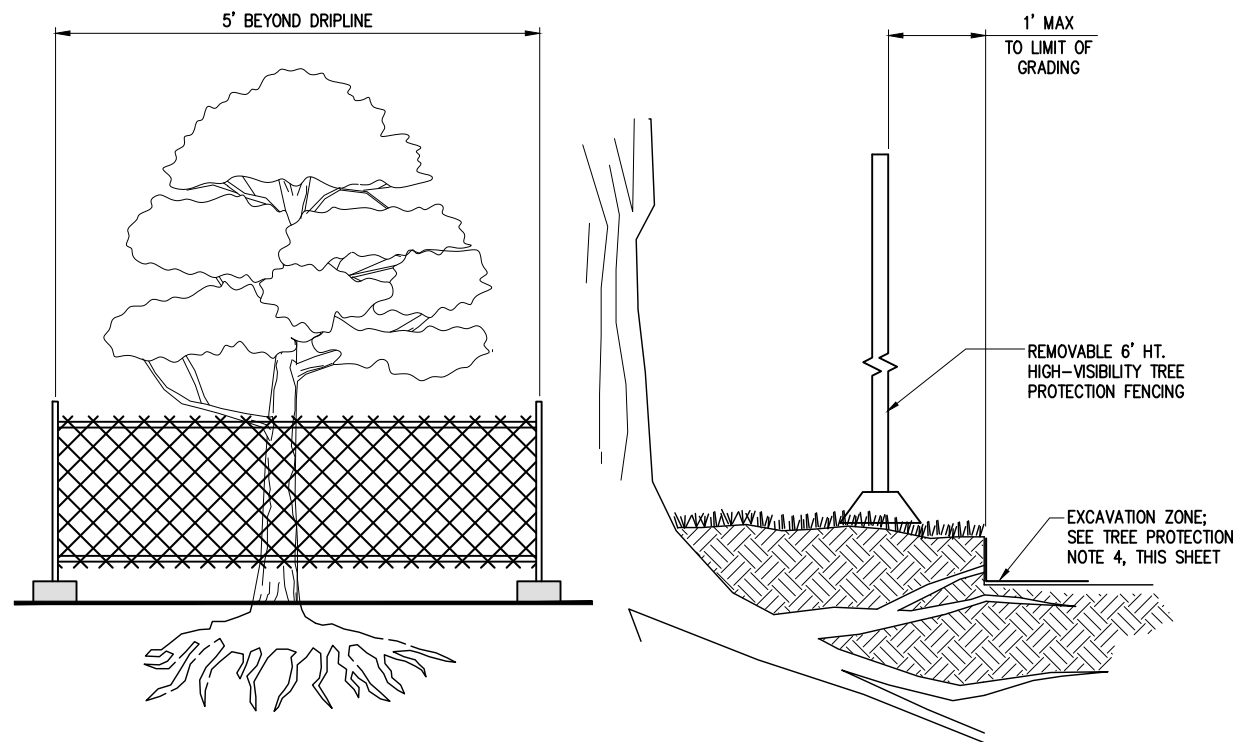


NOTES:

- 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 DETAIL

NTS



TREE PROTECTION DETAIL

NTS

TREE PROTECTION NOTES

- SIX FOOT HIGH FENCE SHALL BE PLACED AROUND TREE TO BE SAVED AT RADIUS INDICATED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING PIER BLOCKS ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
- TREE PROTECTION FENCING MAY BE CONSOLIDATED AROUND GROUPINGS OF EXISTING TREES TO REMAIN; FENCING SHALL PROTECT ENTIRE REQUIRED RADIUS OF EXISTING TREES TO REMAIN.
- CITY ARBORIST TO APPROVE TREE PROTECTION FENCING LAYOUT PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION; MAKE A CLEAN, STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- WORK WITHIN PROTECTION FENCE, IF REQUIRED, SHALL BE DONE BY HAND UNDER SUPERVISION OF THE CITY'S ARBORIST. NO STOCKPILE OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE FENCING.
- PORTIONS OF THE CHAIN LINK FENCE MAY BE MOVED 1/3 INTO THE TREE PROTECTION FENCING AREA IF UNABLE TO PROTECT THE ENTIRE AREA. THIS IS ONLY PERMITTED FOR PORTIONS OF THE TREE PROTECTION FENCING AREA THAT ARE IN CONFLICT WITH CONSTRUCTION ACTIVITIES BASED UPON ENGINEER'S APPROVAL.
- ALL TREES NOTED FOR REMOVAL SHALL BE APPROVED BY CITY ARBORIST PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- ALL TREES TO REMAIN WITHIN CLEARING AND GRUBBING LIMITS SHALL BE TAGGED FOR APPROVAL BY ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.

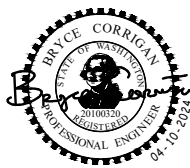
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NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

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FILENAME	
BMC	04/24
DESIGNED BY	DATE
BMC	04/24
DRAWN BY	DATE
PN	04/24
CHECKED BY	DATE



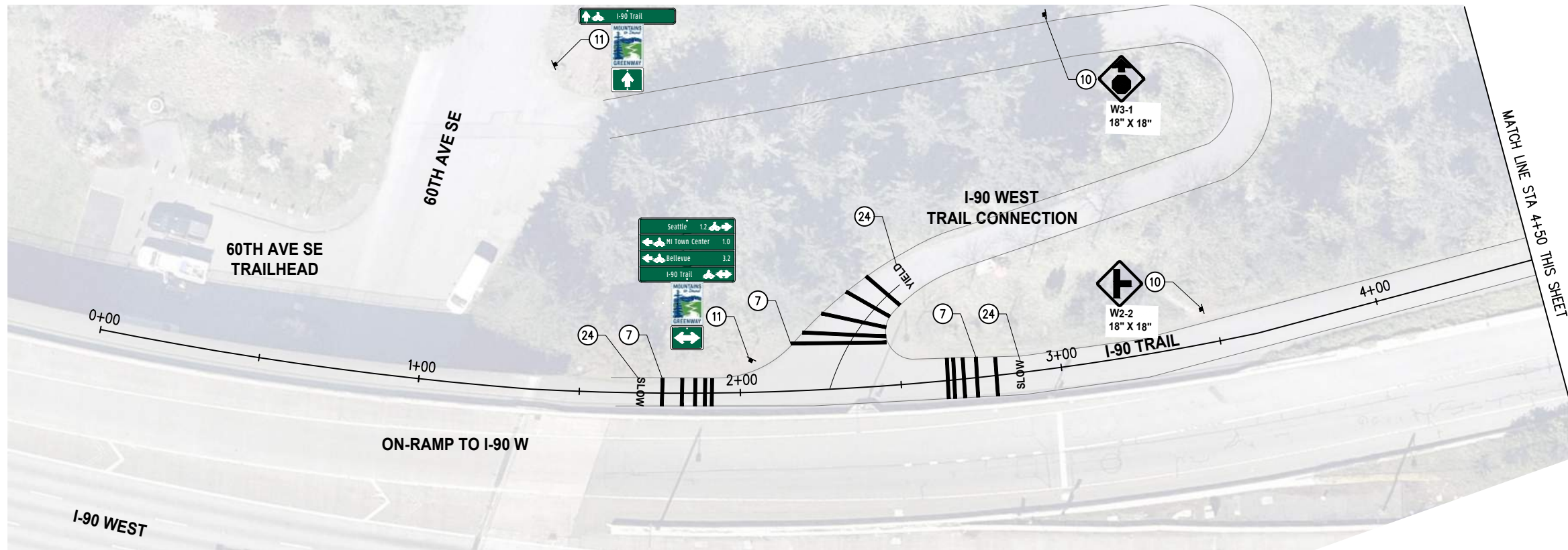
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TESC AND SITE PREPARATION DETAILS

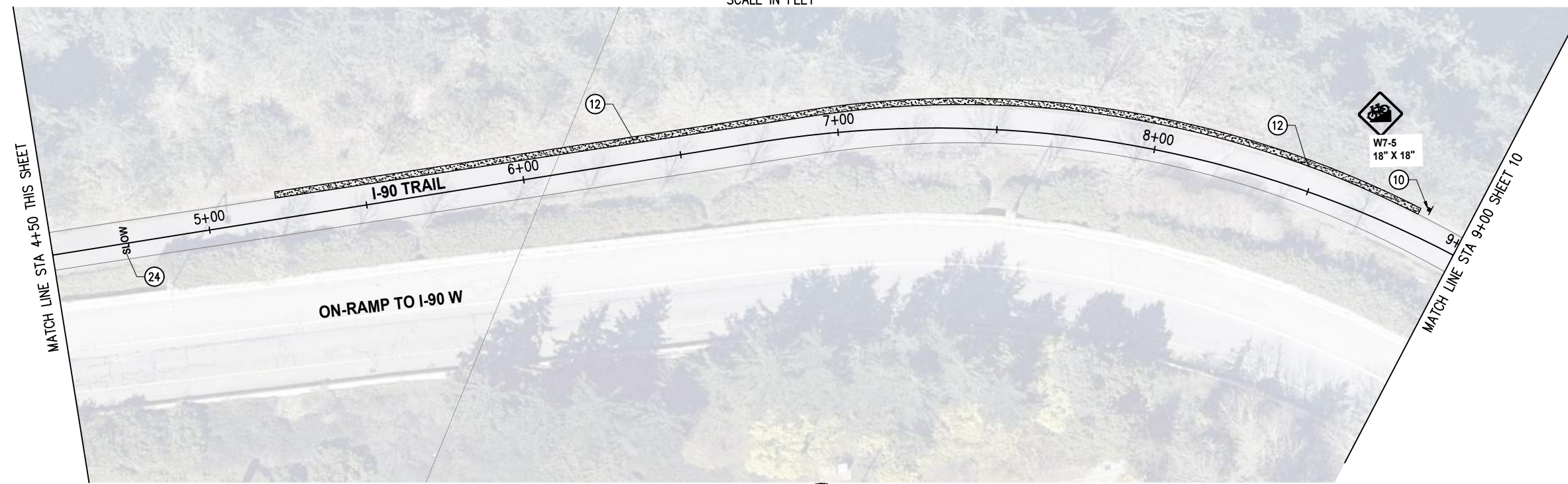
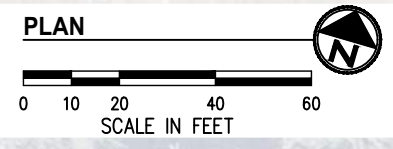


GENERAL NOTES

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.
3. ALL REGULATORY AND WAYFINDING SIGNAGE SHALL BE FIELD LOCATED AND APPROVED BY ENGINEER.
4. ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, SHEET 20, AS APPROVED BY THE ENGINEER.

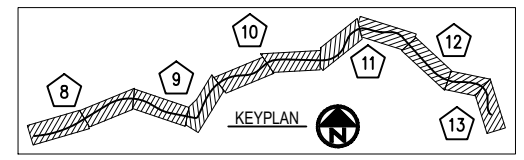
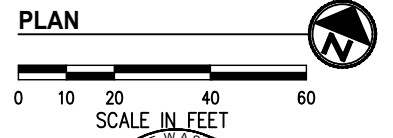
CONSTRUCTION NOTES

- (7) INSTALL WHITE PLASTIC 12-INCH WIDE LINE PER DETAIL, SHEET 18.
- (10) INSTALL WARNING SIGN.
- (11) INSTALL WAYFINDING SIGN; SEE DETAIL SHEETS 17-18.
- (12) TRAIL SHOULDER RESTORATION; INSTALL PER DETAIL, SHEET 15.
- (24) INSTALL WHITE PAINTED TRAFFIC LETTERS, SEE DETAIL SHEET 18.



LEGEND

- PROPOSED SIGN
- CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
- CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- HMA TRAIL OR PAVEMENT
- TRAIL SHOULDER RESTORATION
- RAIL FENCING



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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



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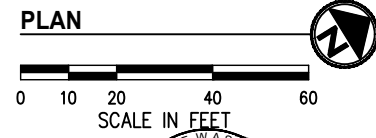
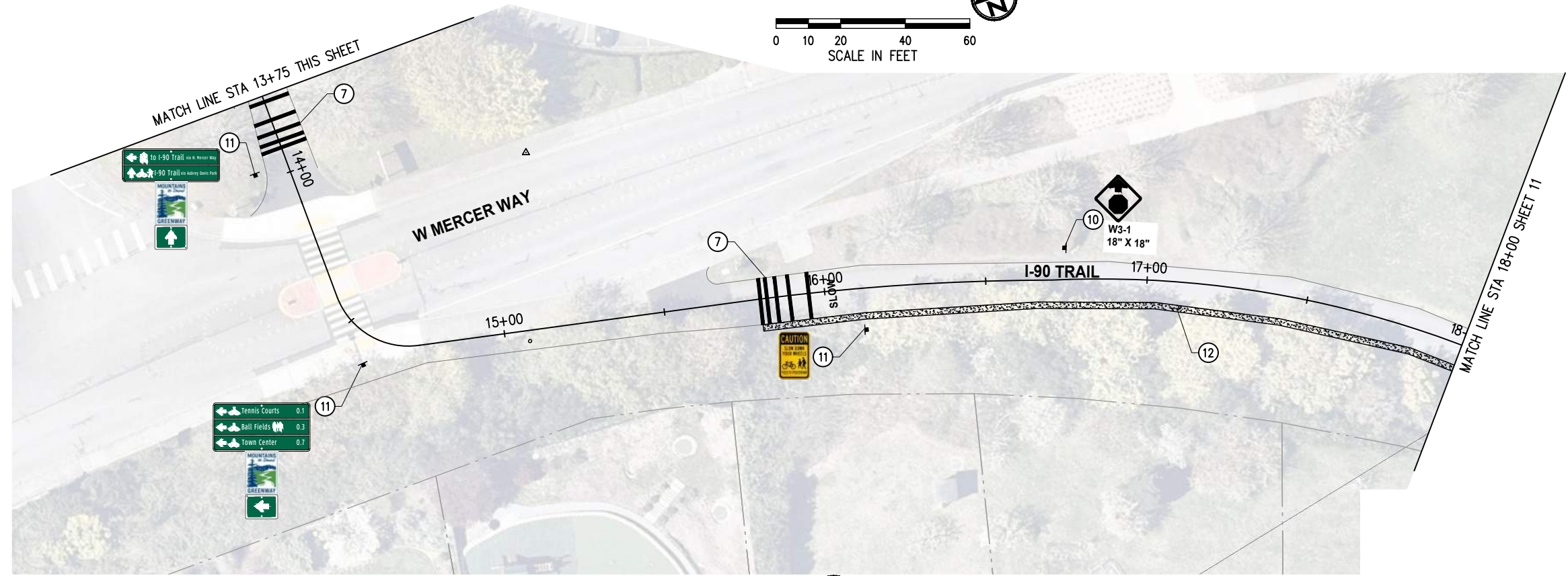
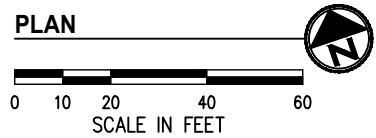
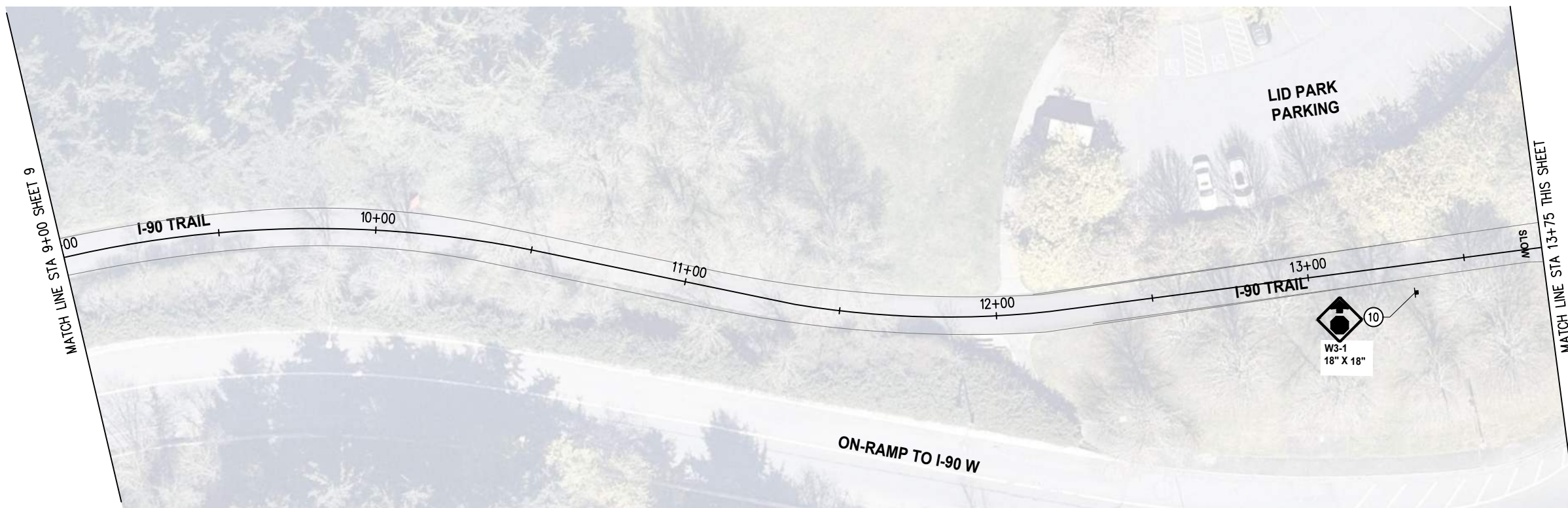


**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS
 STA 0+00 TO STA 9+00

KPG PROJECT No. 21098 SHT 9 OF 25

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GENERAL NOTES

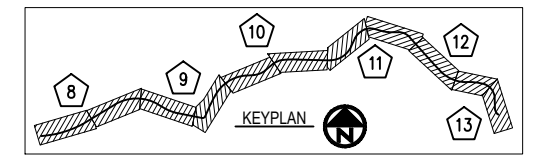
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4. ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, SHEET 20, AS APPROVED BY THE ENGINEER.

CONSTRUCTION NOTES

- ⑦ INSTALL WHITE PLASTIC 12-INCH WIDE LINE PER DETAIL, SHEET 18.
- ⑩ INSTALL WARNING SIGN.
- ⑪ INSTALL WAYFINDING SIGN; SEE DETAIL SHEETS 17-18.
- ⑫ TRAIL SHOULDER RESTORATION; INSTALL PER DETAIL, SHEET 15.

LEGEND

- PROPOSED SIGN
- ▨ CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
- ▨ CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- HMA TRAIL OR PAVEMENT
- ▨ TRAIL SHOULDER RESTORATION
- RAIL FENCING



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TRAIL.dwg
ENGINEERING MANAGER	DATE	FILENAME BMC 04/24
PROJECT MANAGER	DATE	DESIGNED BY BMC 04/24
PROJECT ENGINEER	DATE	DRAWN BY PN 04/24
	DATE	CHECKED BY



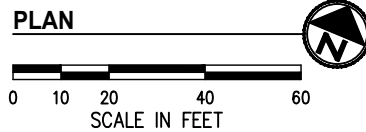
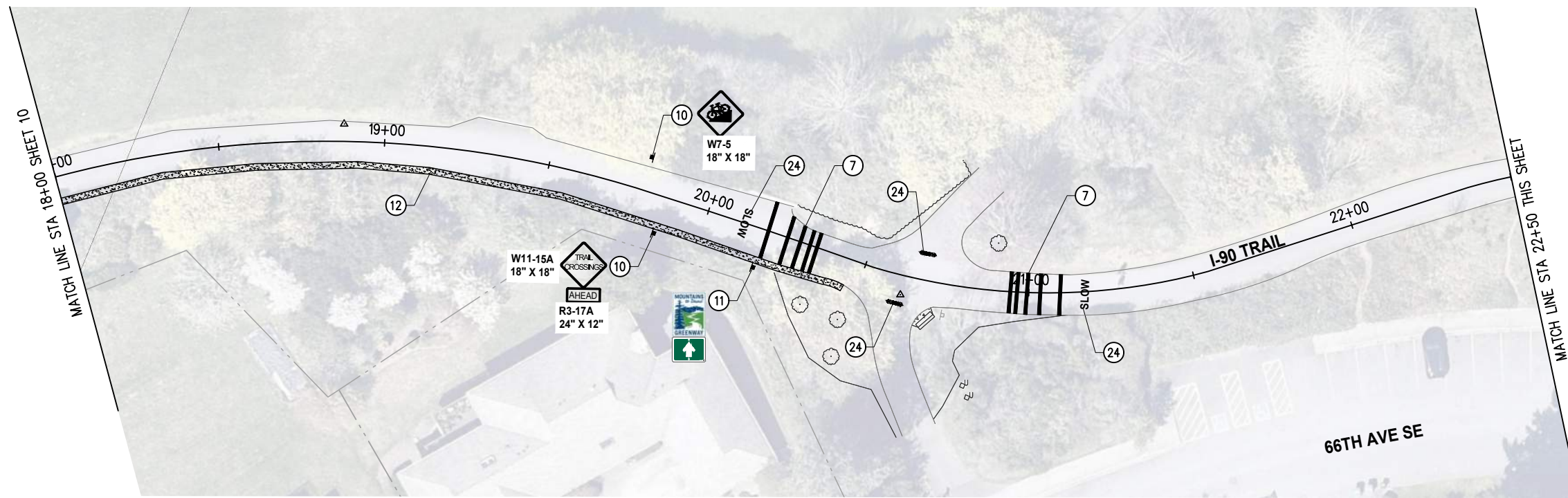
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 9+00 TO STA 18+00	
KPG PROJECT No. 21098	SHT 10 OF 25

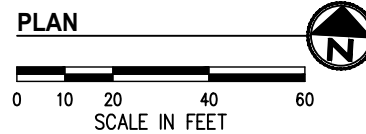
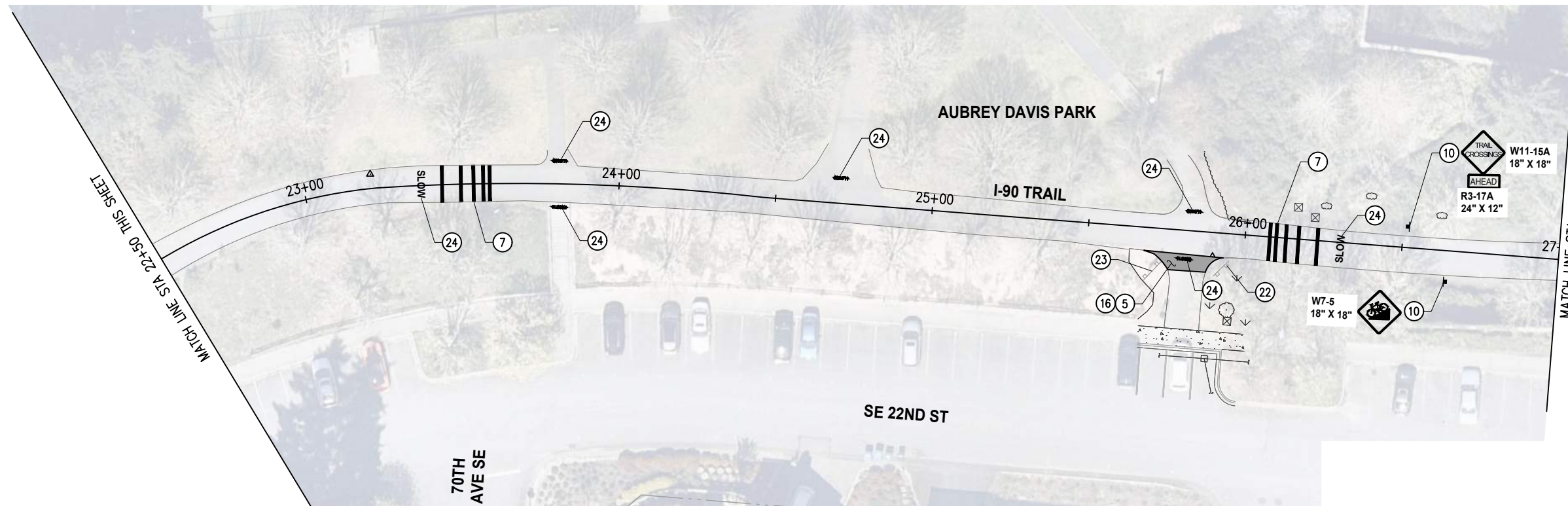


GENERAL NOTES

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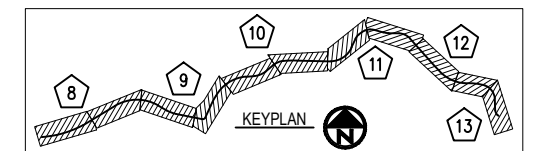
CONSTRUCTION NOTES

5. INSTALL COMMERCIAL HMA. SEE TYPICAL SECTIONS, SHEET 15.
7. INSTALL WHITE PLASTIC 12-INCH WIDE LINE PER DETAIL, SHEET 18.
10. INSTALL WARNING SIGN.
11. INSTALL WAYFINDING SIGN; SEE DETAIL SHEETS 17-18.
12. TRAIL SHOULDER RESTORATION; INSTALL PER DETAIL, SHEET 15.
16. REMOVE BOLLARDS WITHIN PAVEMENT LIMITS.
22. REMOVE AND SALVAGE PARK SIGN TO CITY.
23. SAVE AND PROTECT SIGNAGE.
24. INSTALL WHITE PAINTED TRAFFIC LETTERS, SEE DETAIL SHEET 18.



LEGEND

- ▲ PROPOSED SIGN
- ☐ CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
- ☐ CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- ▬ HMA TRAIL OR PAVEMENT
- ▨ TRAIL SHOULDER RESTORATION
- RAIL FENCING



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ENGINEERING MANAGER	DATE	FILENAME BMC 04/24
PROJECT MANAGER	DATE	DESIGNED BY BMC 04/24
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	DATE	CHECKED BY



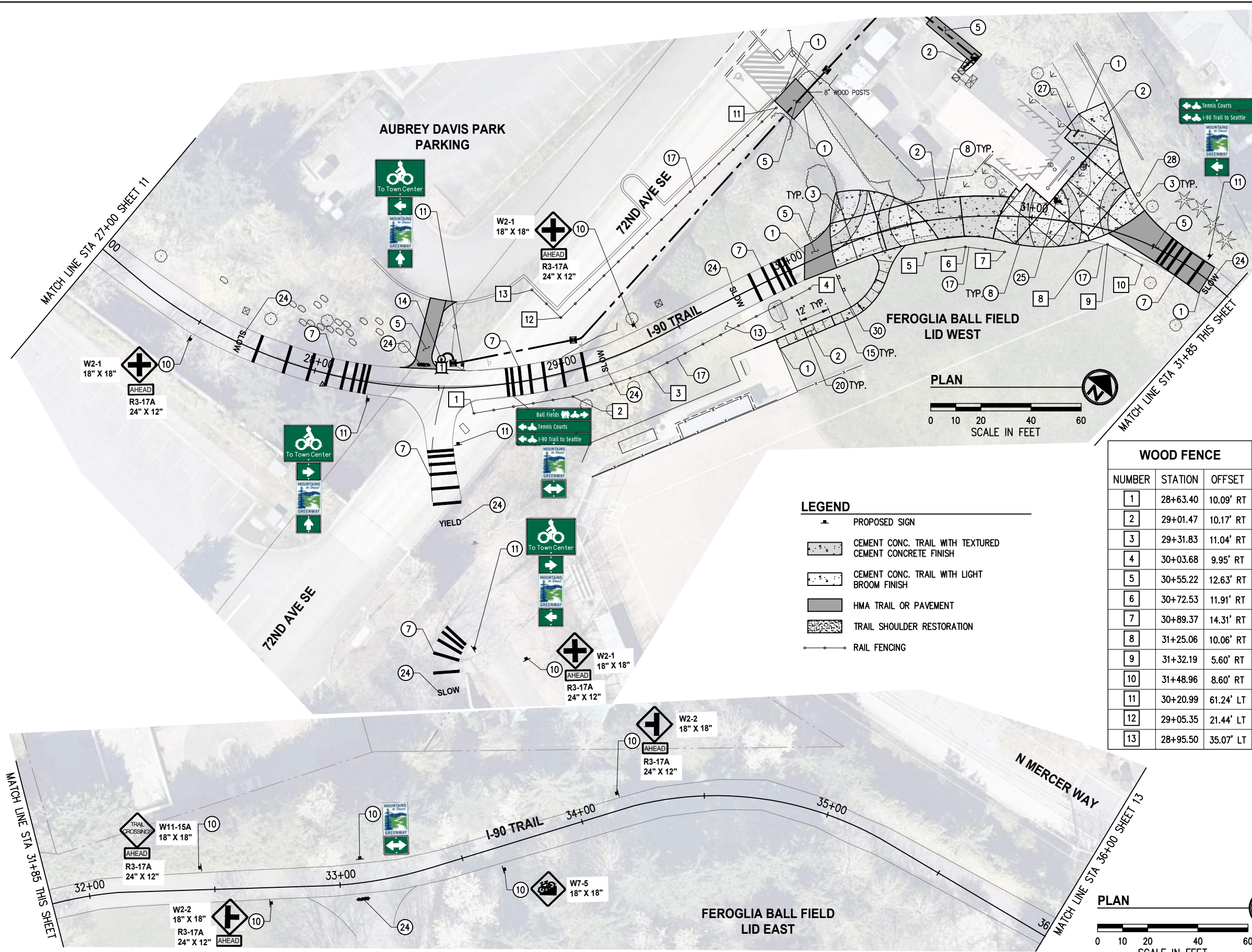
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

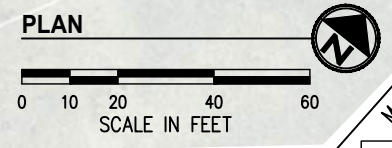
**TRAIL IMPROVEMENT PLANS
STA 18+00 TO STA 27+00**

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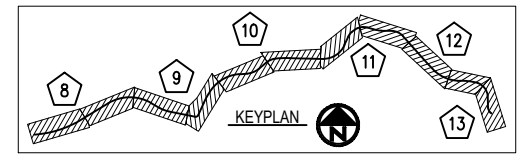
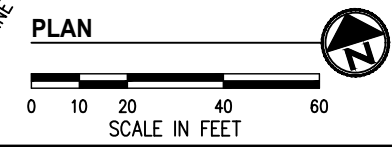
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 - ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, SHEET 20, AS APPROVED BY THE ENGINEER.
 - FOR CEMENT CONCRETE NODE LAYOUT AND SITE FURNISHING LAYOUT POINT TABLES, SEE SHEETS 15-16.

- ### CONSTRUCTION NOTES
- MATCH EXISTING PAVEMENT EDGE, FLUSH.
 - CONSTRUCT CEMENT CONC TRAIL AND NODE AREA. SEE TYPICAL SECTION, SHEET 15.
 - CEMENT CONCRETE NODE, SEE LAYOUT DETAIL SHEET 15.
 - INSTALL COMMERCIAL HMA. SEE TYPICAL SECTIONS, SHEET 15.
 - INSTALL WHITE PLASTIC 12-INCH WIDE LINE PER DETAIL, SHEET 18.
 - CEMENT CONC. TRAIL EDGE, SEE DETAIL SHEET 15.
 - INSTALL WARNING SIGN.
 - INSTALL WAYFINDING SIGN; SEE DETAIL SHEETS 17-18.
 - LAWN RESTORATION, SEE LANDSCAPE RESTORATION SHEETS 19-21.
 - INSTALL DECORATIVE LUMINAIRE AND POLE, SEE ILLUMINATION SHEET 22.
 - SCORE JOINT, SEE DETAIL SHEET 15.
 - INSTALL WOOD POST AND RAIL FENCE, SEE DETAIL SHEET 16.
 - EXPANSION JOINT, SEE DETAIL SHEET 15.
 - INSTALL WHITE PAINTED TRAFFIC LETTERS, SEE DETAIL SHEET 18.
 - INSTALL DRINKING FOUNTAIN WITH PET STATION, SEE DETAIL SHEET 16.
 - REINSTALL BIKE RACK, SEE SPECIFICATIONS AND DETAIL SHEET 16.
 - REINSTALL DOG WASTE BAG DISPENSER, SEE SPECIFICATIONS AND DETAIL SHEET 16.
 - INSTALL PARK SIGN. TO BE PROVIDED BY CITY, SEE DETAIL SHEET 18. EXACT LOCATION TO BE VERIFIED BY COMI PARKS DEPARTMENT.



WOOD FENCE		
NUMBER	STATION	OFFSET
1	28+63.40	10.09' RT
2	29+01.47	10.17' RT
3	29+31.83	11.04' RT
4	30+03.68	9.95' RT
5	30+55.22	12.63' RT
6	30+72.53	11.91' RT
7	30+89.37	14.31' RT
8	31+25.06	10.06' RT
9	31+32.19	5.60' RT
10	31+48.96	8.60' RT
11	30+20.99	61.24' LT
12	29+05.35	21.44' LT
13	28+95.50	35.07' LT

- ### LEGEND
- PROPOSED SIGN
 - CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
 - CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
 - HMA TRAIL OR PAVEMENT
 - TRAIL SHOULDER RESTORATION
 - RAIL FENCING



NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE	21098TRAIL.dwg	FILENAME
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PROJECT ENGINEER	DATE	BMC	DATE
		PN	DRAWN BY
			CHECKED BY
			DATE



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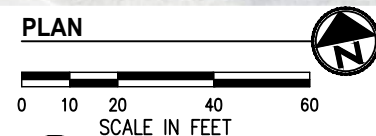
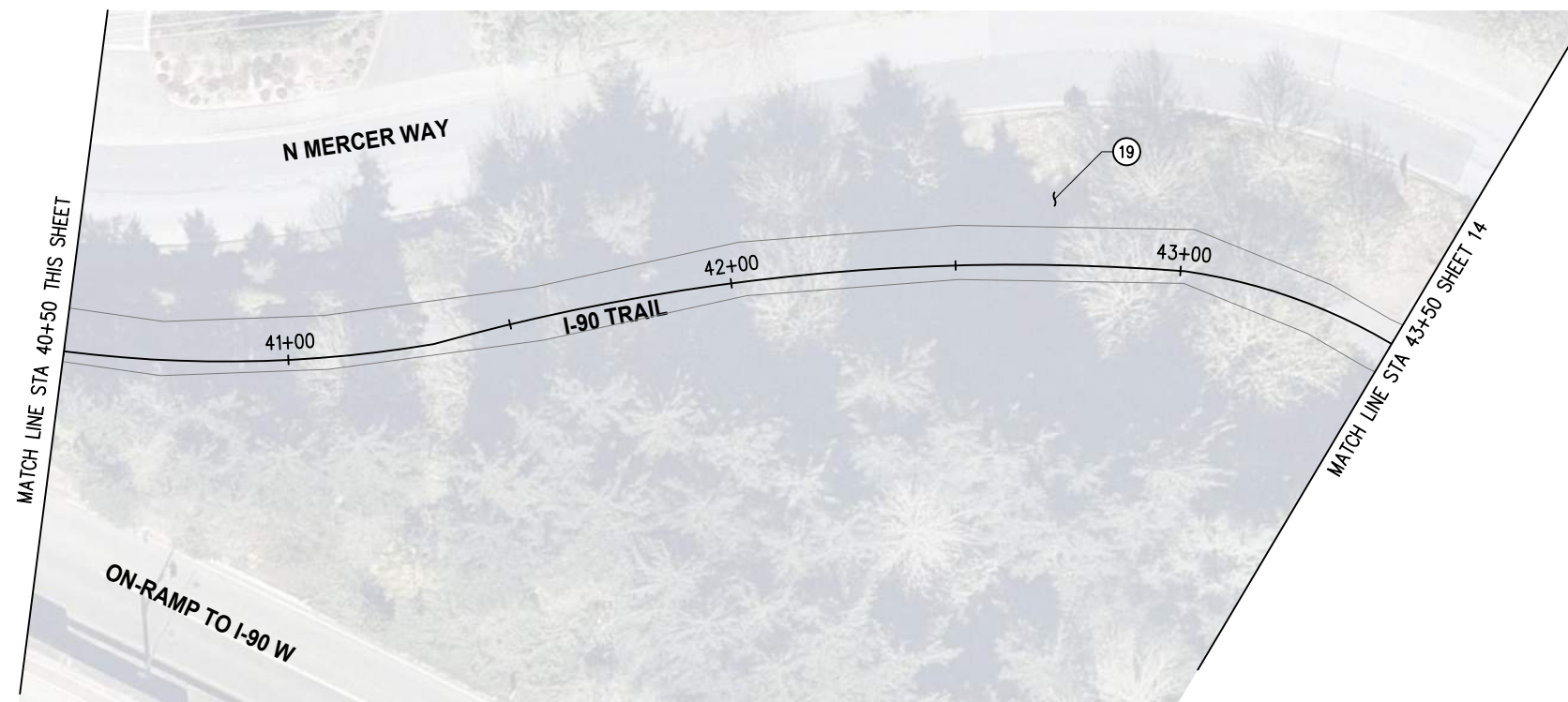
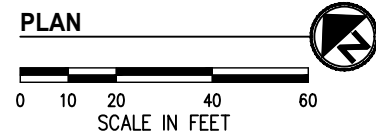
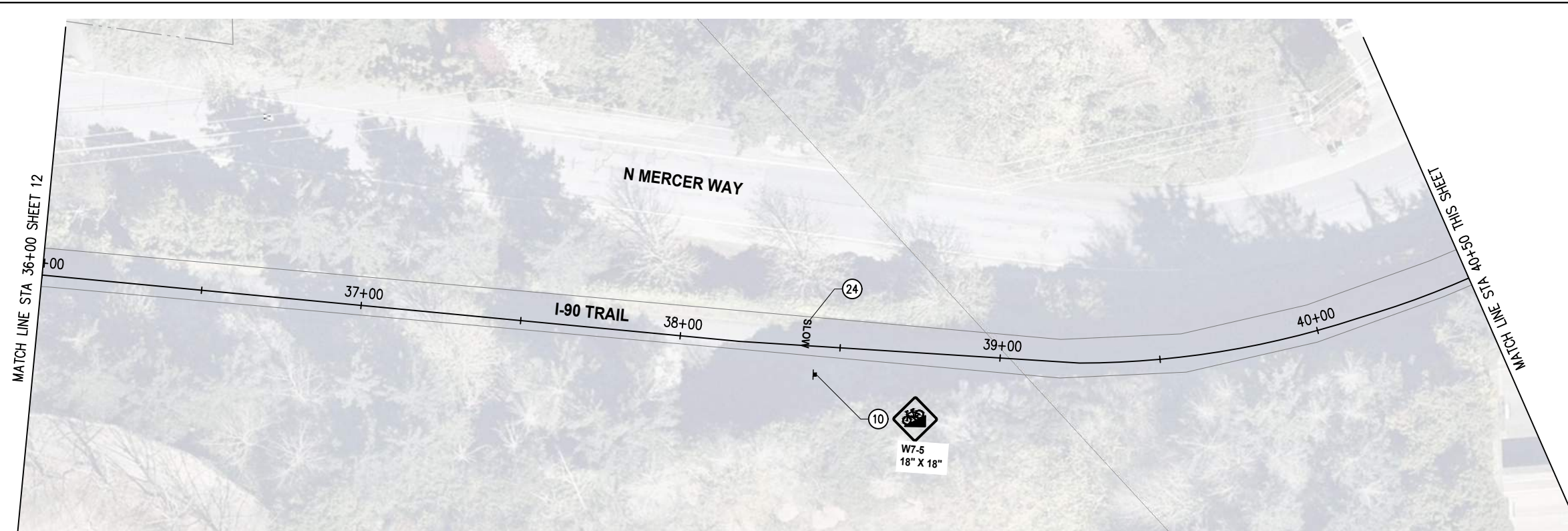


CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

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

KPG PROJECT No. 21098 SHT 12 OF 25

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GENERAL NOTES

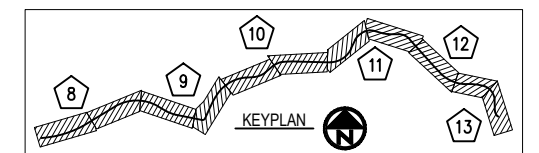
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3. ALL REGULATORY AND WAYFINDING SIGNAGE SHALL BE FIELD LOCATED AND APPROVED BY ENGINEER.
4. ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, SHEET 20, AS APPROVED BY THE ENGINEER.

CONSTRUCTION NOTES

- (10) INSTALL WARNING 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. ADD PAINTED TRAFFIC LETTERS ("LOOK").
- (24) INSTALL WHITE PAINTED TRAFFIC LETTERS, SEE DETAIL SHEET 18.

LEGEND

- PROPOSED SIGN
- CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
- CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- HMA TRAIL OR PAVEMENT
- TRAIL SHOULDER RESTORATION
- RAIL FENCING



NO.	DATE	BY	APPR.	REVISIONS

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



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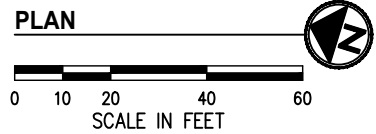
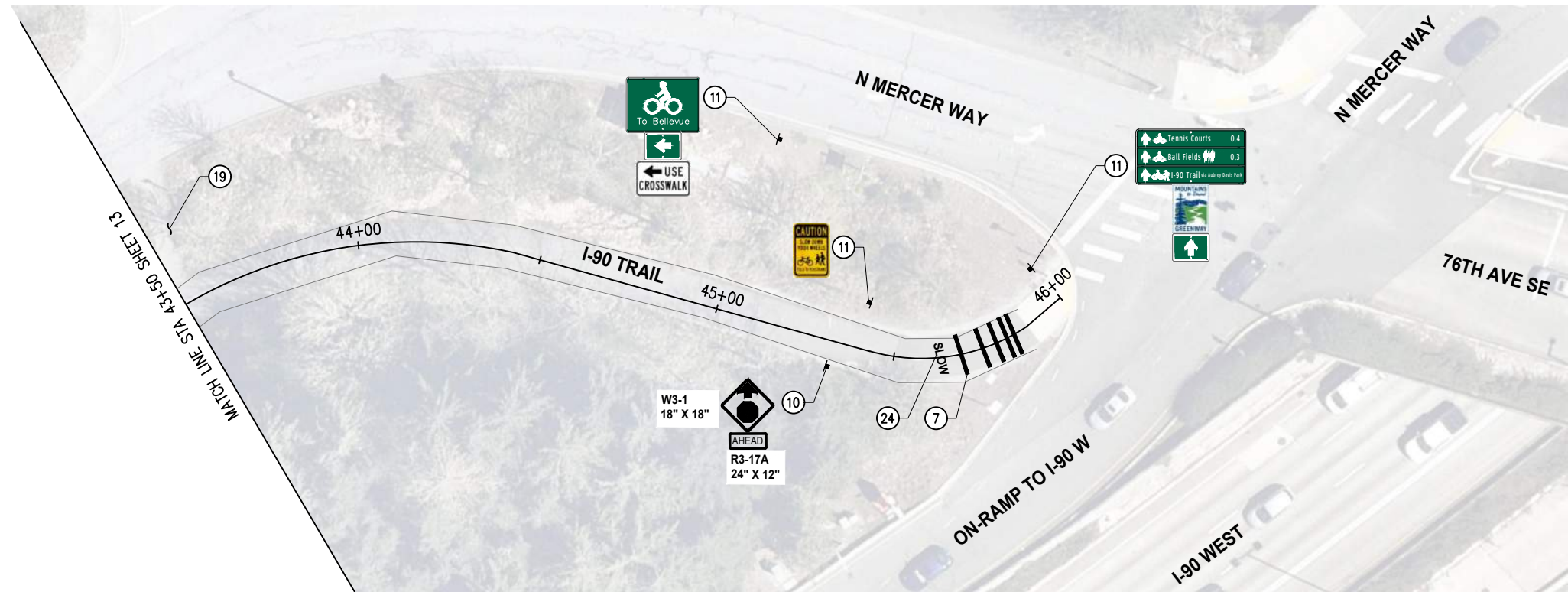


**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

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

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GENERAL NOTES

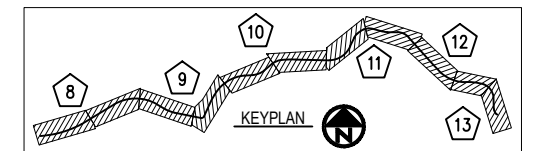
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF TRAIL IMPROVEMENTS TO MINIMIZE IMPACTS TO TRAIL USERS.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
3. ALL REGULATORY AND WAYFINDING SIGNAGE SHALL BE FIELD LOCATED AND APPROVED BY ENGINEER.
4. ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, SHEET 20, AS APPROVED BY THE ENGINEER.

CONSTRUCTION NOTES

7. INSTALL WHITE PLASTIC 12-INCH WIDE LINE PER DETAIL, SHEET 18.
10. INSTALL WARNING SIGN.
11. INSTALL WAYFINDING SIGN; SEE DETAIL SHEETS 17-18.
19. LOCATE EXISTING TRAIL CONNECTION. EXISTING VEGETATION SHALL BE TRIMMED, PRUNED, OR CLEARED FOR SIGHT DISTANCES ON I-90 TRAIL PER DIRECTION OF ENGINEER. ADD PAINTED TRAFFIC LETTERS ("LOOK").
24. INSTALL WHITE PAINTED TRAFFIC LETTERS, SEE DETAIL SHEET 18.

LEGEND

- ▲ PROPOSED SIGN
- CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH
- CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- HMA TRAIL OR PAVEMENT
- TRAIL SHOULDER RESTORATION
- RAIL FENCING



NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TRAIL.dwg
ENGINEERING MANAGER	DATE	FILENAME BMC 04/24
PROJECT MANAGER	DATE	DESIGNED BY BMC 04/24
PROJECT ENGINEER	DATE	DRAWN BY PN 04/24
		CHECKED BY DATE



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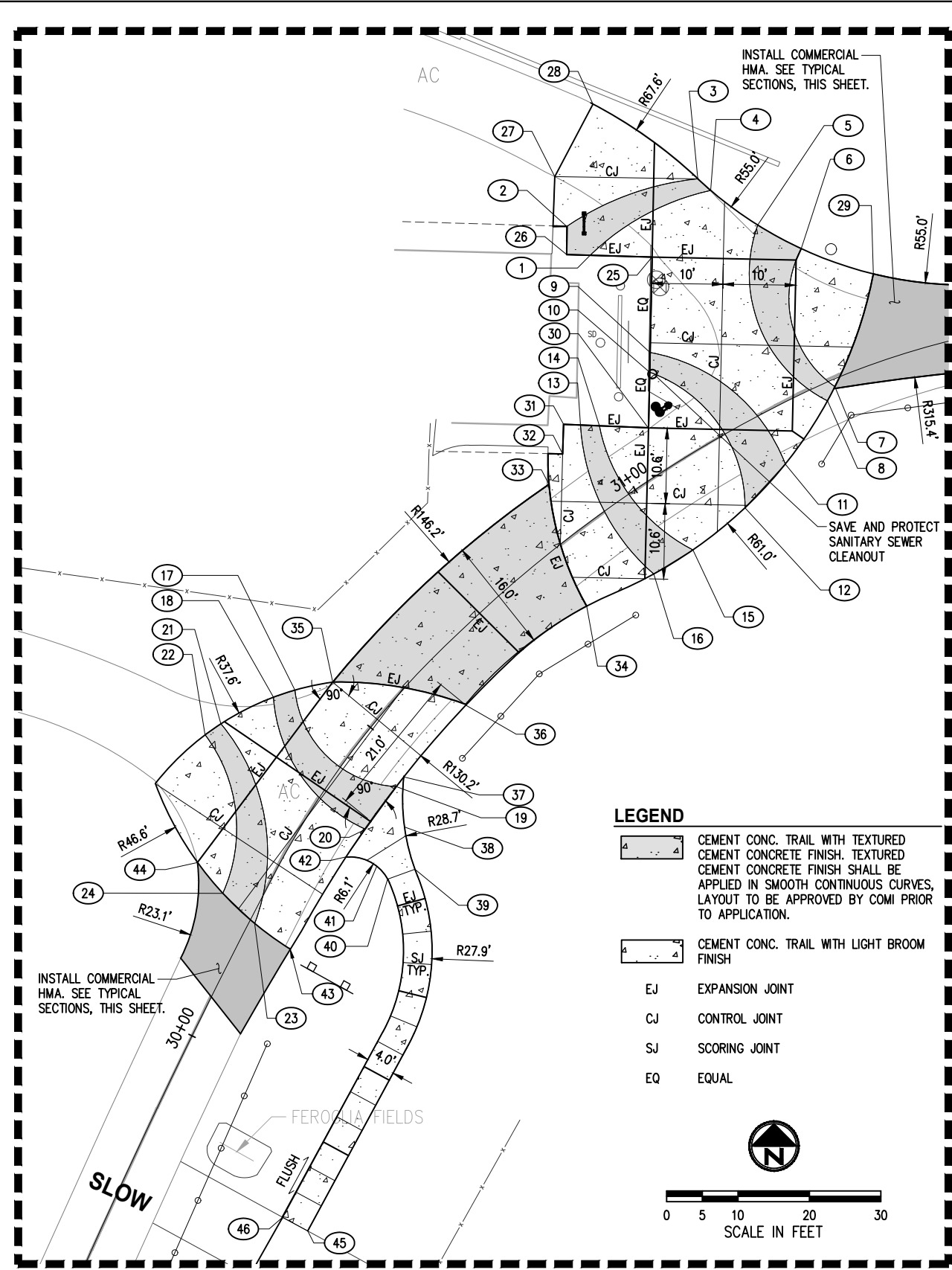
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**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

TRAIL IMPROVEMENT PLANS STA 43+50 TO STA 46+00	
KPG PROJECT No. 21098	SHT 14 OF 25

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CEMENT CONCRETE NODE ENLARGEMENT LAYOUT DETAIL
NTS

LEGEND

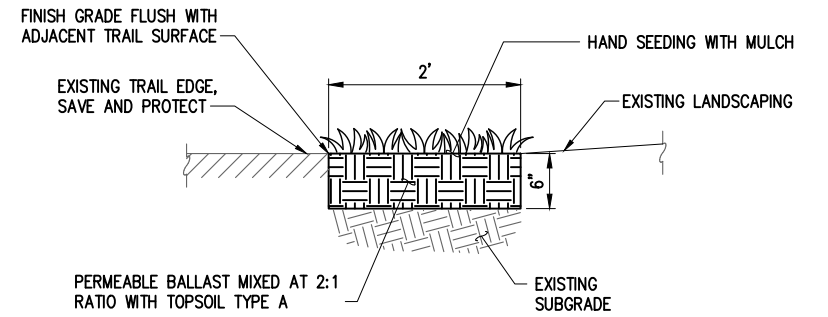
- CEMENT CONC. TRAIL WITH TEXTURED CEMENT CONCRETE FINISH. TEXTURED CEMENT CONCRETE FINISH SHALL BE APPLIED IN SMOOTH CONTINUOUS CURVES. LAYOUT TO BE APPROVED BY COMI PRIOR TO APPLICATION.
- CEMENT CONC. TRAIL WITH LIGHT BROOM FINISH
- EJ EXPANSION JOINT
- CJ CONTROL JOINT
- SJ SCORING JOINT
- EQ EQUAL

POINT TABLE		
NUMBER	STATION	OFFSET
1	31+11.27	31.12' LT
2	31+10.66	36.25' LT
3	31+26.88	33.43' LT
4	31+27.67	31.21' LT
5	31+31.08	24.03' LT
6	31+34.27	18.64' LT
7	31+31.61	1.05' RT
8	31+29.79	2.43' RT
9	31+11.55	15.11' LT
10	31+10.19	12.77' LT
11	31+20.30	7.74' RT
12	31+11.99	10.35' RT
13	30+98.80	11.80' LT
14	31+00.81	10.22' LT
15	31+02.10	11.51' RT
16	30+95.24	11.18' RT
17	30+47.64	11.55' LT
18	30+45.26	13.35' LT
19	30+45.55	7.97' RT
20	30+37.68	7.84' RT
21	30+38.75	17.21' LT
22	30+36.55	18.20' LT
23	30+17.99	0.78' RT
24	30+19.69	5.14' LT
25	31+17.67	26.62' LT
26	31+08.90	32.89' LT
27	31+12.35	43.12' LT

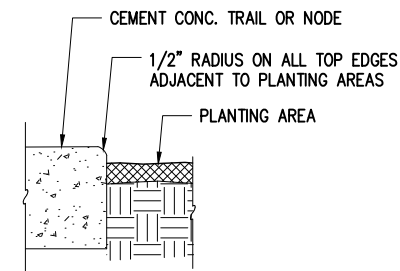
POINT TABLE		
NUMBER	STATION	OFFSET
28	31+20.03	49.39' LT
29	31+41.63	11.96' LT
30	31+06.15	6.26' LT
31	30+97.03	13.23' LT
32	30+94.67	9.93' LT
33	30+90.79	7.63' LT
34	30+84.44	9.07' RT
35	30+51.52	8.12' LT
36	30+61.58	7.83' RT
37	30+47.38	7.94' RT
38	30+42.42	11.27' RT
39	30+36.68	16.70' RT
40	30+33.03	14.20' RT
41	30+33.90	11.38' RT
42	30+32.64	7.59' RT
43	30+17.05	6.85' RT
44	30+21.87	10.27' LT
45	29+82.11	26.42' RT
46	29+82.36	22.43' RT

TYPICAL SECTION GENERAL NOTES

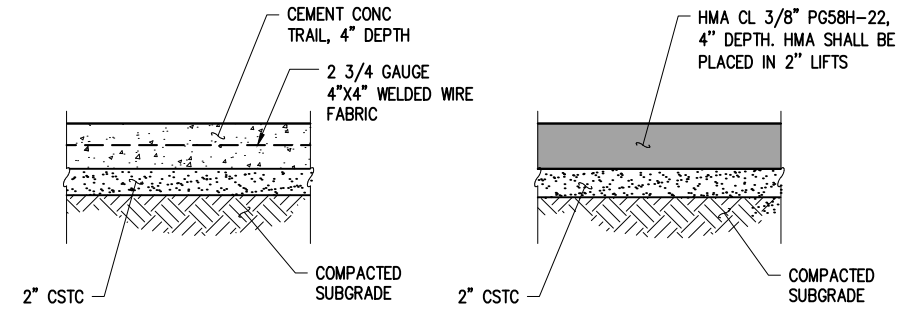
1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
2. ADDITIONAL FILL MATERIAL REQUIRED FOR CONSTRUCTION SHALL BE APPROVED CRUSHED ROCK WHEN REQUIRED BY ENGINEER. FILL MATERIAL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
3. IF UNSUITABLE FOUNDATION 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.



TRAIL SHOULDER RESTORATION DETAIL
NTS



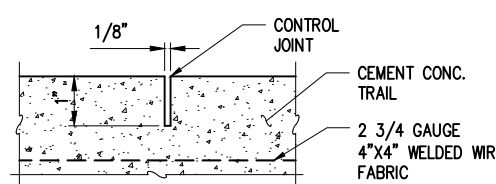
CEMENT CONC. TRAIL EDGE DETAIL
NTS



CEMENT CONC TRAIL SECTION FOR PLAZA AND TRAIL

HMA TRAIL SECTION

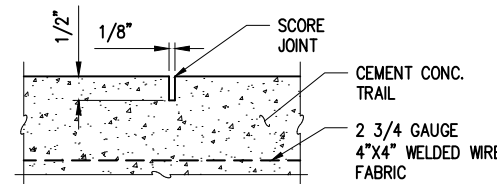
TYPICAL TRAIL SECTIONS
NTS



NOTE: CLEAN CONTROL JOINT BY SAWCUT. NO RADIUS ON EDGE. NO SMOOTH FLANGE TOOLING ON EITHER SIDE OF JOINT.

SECTION

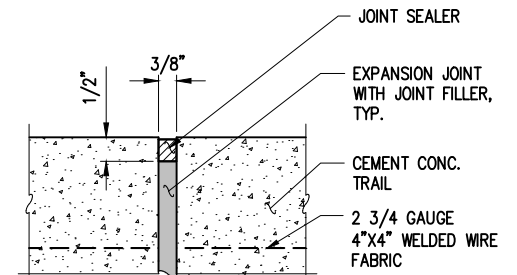
CONTROL JOINT DETAIL
NTS



NOTE: CLEAN SCORE JOINT BY SAWCUT. NO RADIUS ON EDGE. NO SMOOTH FLANGE TOOLING ON EITHER SIDE OF JOINT.

SECTION

SCORE JOINT DETAIL
NTS



SECTION

EXPANSION JOINT DETAIL
NTS

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PROJECT MANAGER	DATE	DESIGNED BY GP 04/24
PROJECT ENGINEER	DATE	DRAWN BY PN 04/24
	DATE	CHECKED BY 04/24



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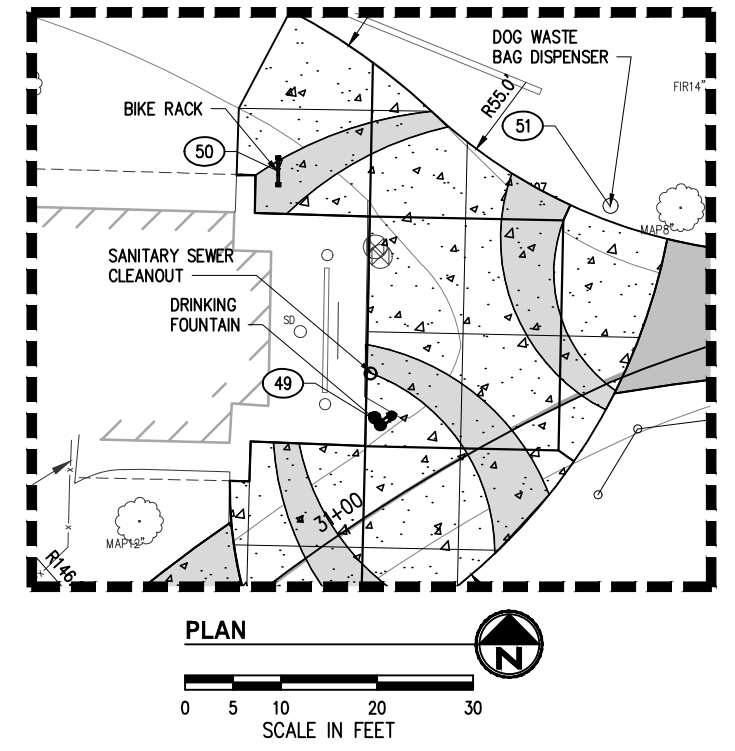
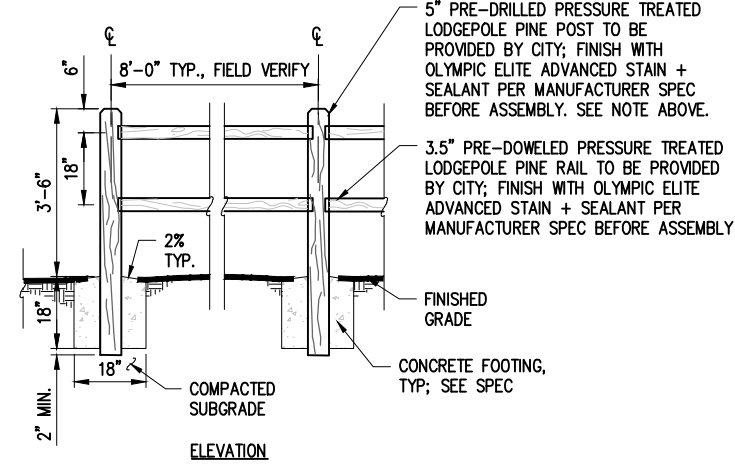
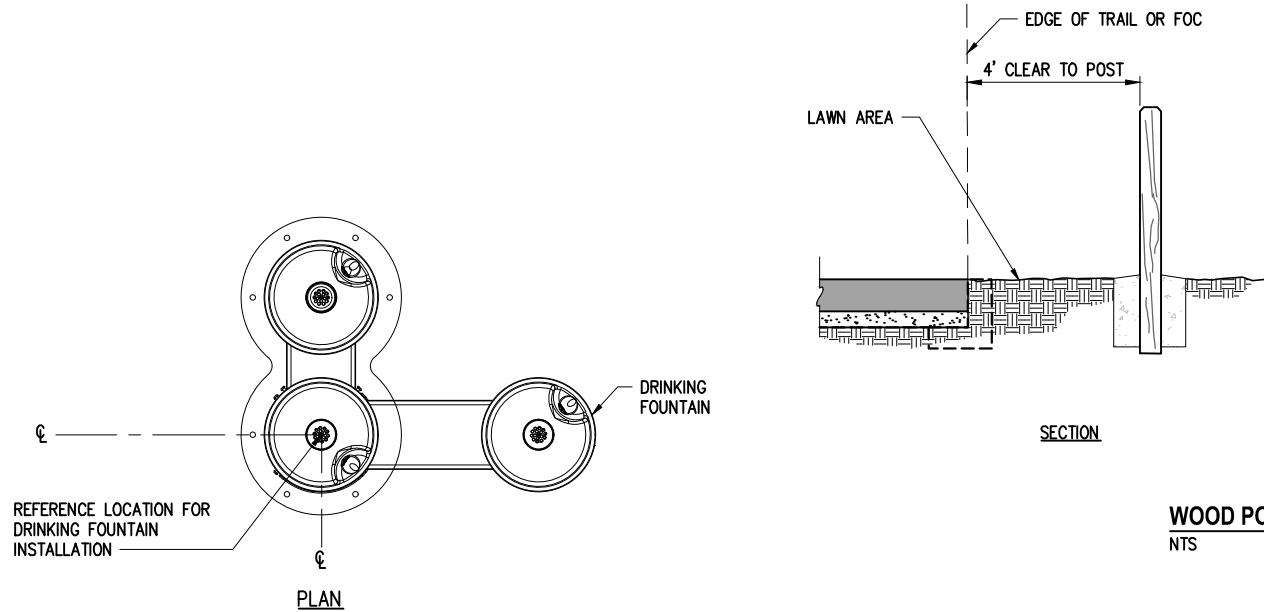


**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

GENERAL NOTES:

1. INSTALL SITE FURNITURE LEVEL AND PLUMB.
2. ENGINEER TO FIELD VERIFY LOCATION AND ORIENTATION OF SITE FURNITURE PRIOR TO INSTALLATION.

NOTE: IN LOCATIONS WHERE THERE IS AN ANGLE CONNECTION AT THE POSTS (4 TOTAL), CONTRACTOR SHALL DRILL HOLES TO RECEIVE RAILS AS NEEDED TO ACCOMMODATE ANGLES. FINAL FENCE LOCATION SHALL BE APPROVED BY COMI PARKS PRIOR TO INSTALLATION.



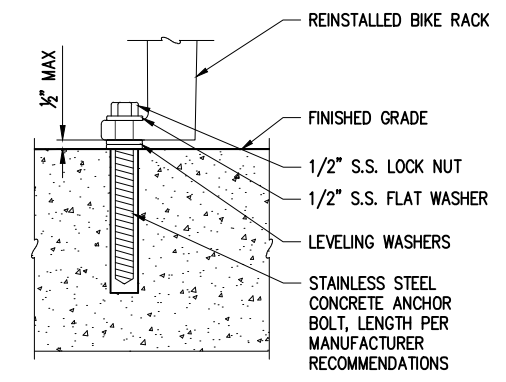
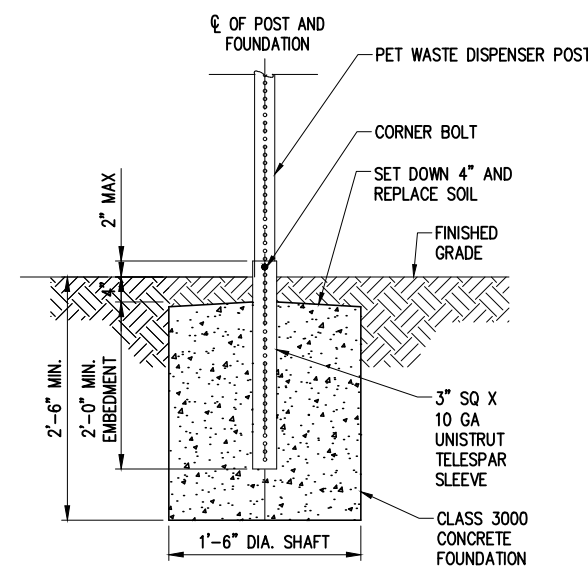
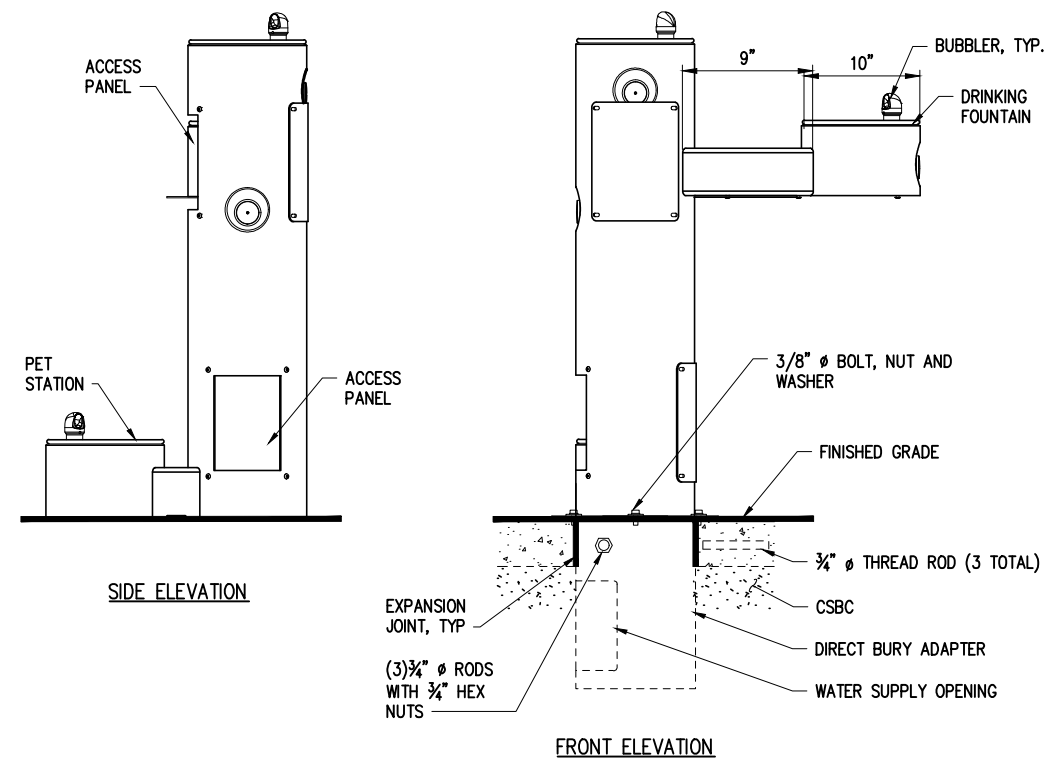
SITE FURNISHING ENLARGEMENT NODE LAYOUT DETAIL
NTS

DRINKING FOUNTAIN		
NUMBER	STATION	OFFSET
49	31+08.53	8.22' LT

BIKE RACK TABLE		
NUMBER	STATION	OFFSET
50	31+11.96	34.19' LT

WASTE BAG TABLE		
NUMBER	STATION	OFFSET
51	31+35.11	14.59' LT

NOTE: STATION/OFFSET REFERENCE POINT FOR SITE FURNISHING IS LOCATED AT CENTER OF FEATURE, UNLESS OTHERWISE NOTED.



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ENGINEERING MANAGER	DATE	21098TRAIL-DET.dwg	FILENAME
PROJECT MANAGER	DATE	PN	04/24
PROJECT ENGINEER	DATE	DESIGNED BY	DATE
		GP	04/24
		DRAWN BY	DATE
		PN	04/24
		CHECKED BY	DATE



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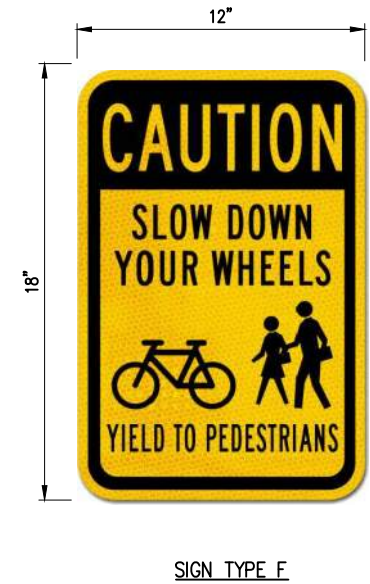
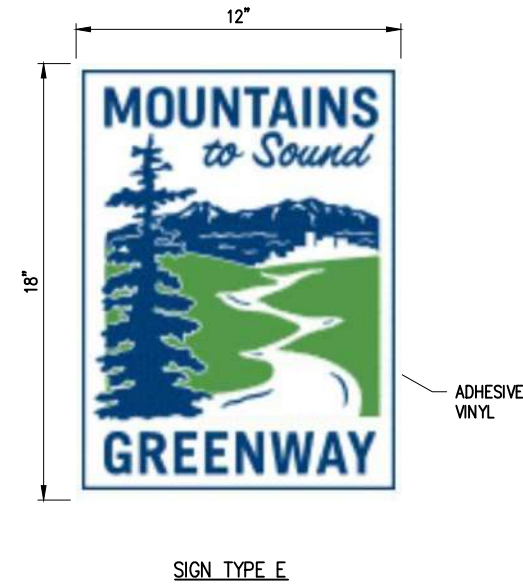
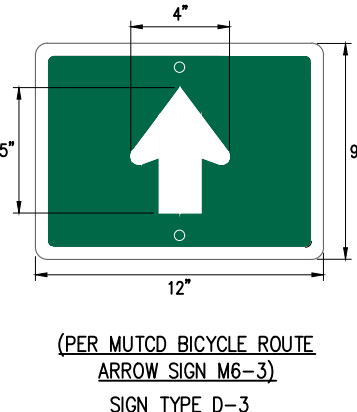
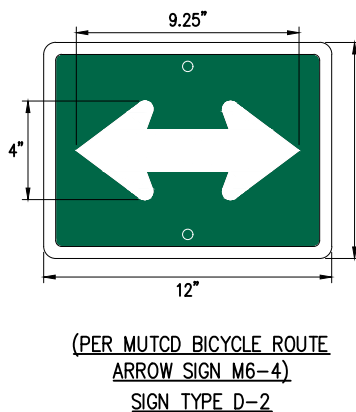
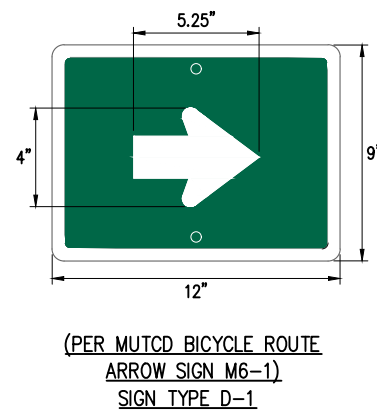
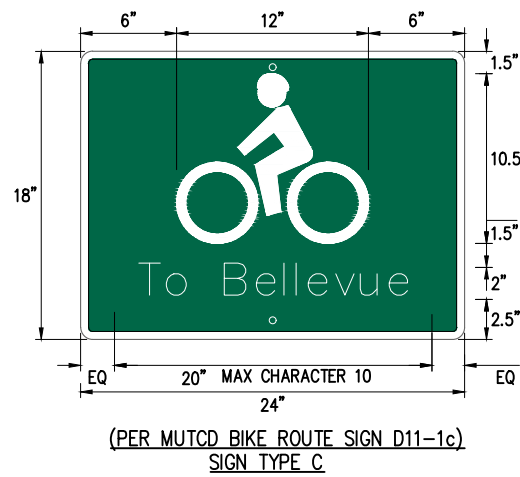
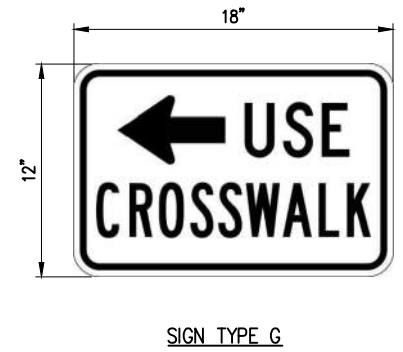
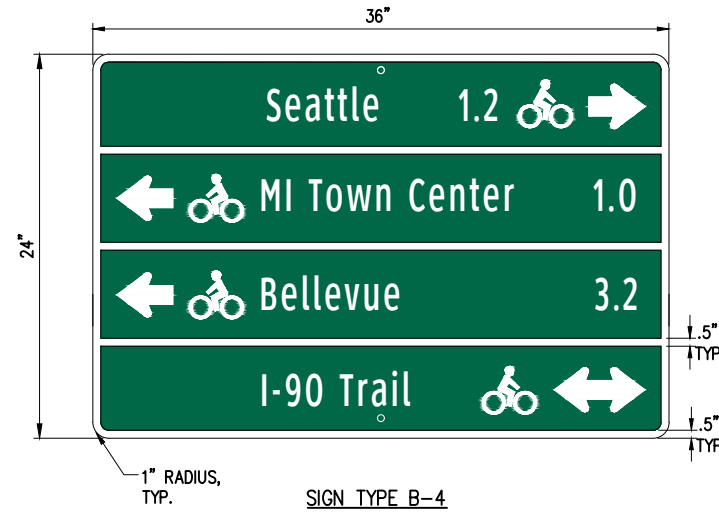
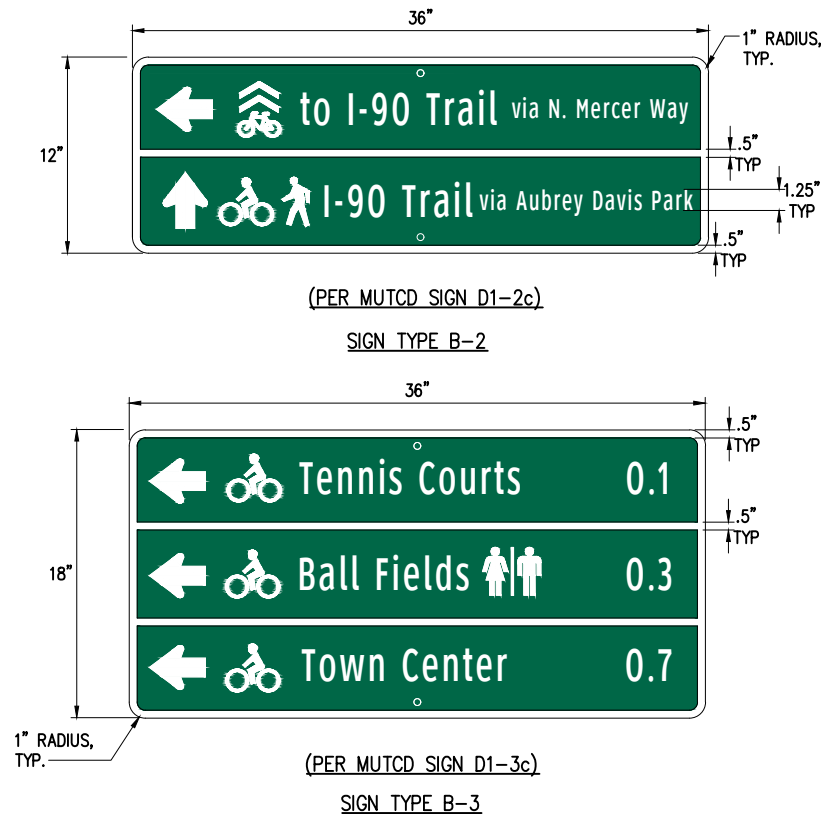
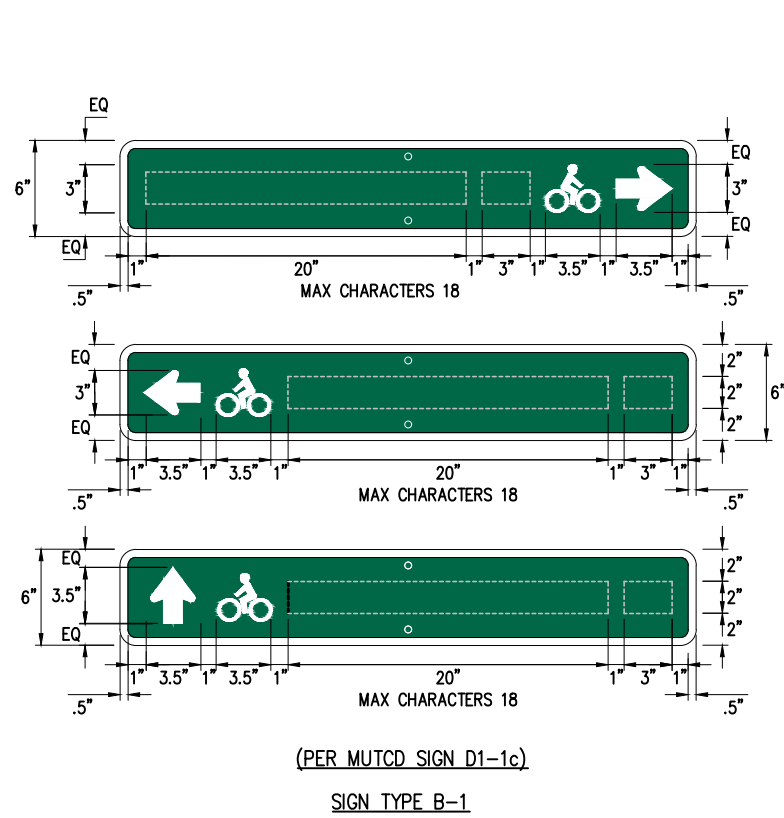
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AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

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GENERAL NOTES:

1. ELECTRONIC FILE OF WAYFINDING AND ROUTE SIGNAGE LAYOUT WILL BE PROVIDED BY ENGINEER UPON CONTRACTOR'S REQUEST PRIOR TO FABRICATION.
2. SEE TRAIL IMPROVEMENTS PLAN, SHEETS 9-14, FOR PLACEMENTS RELATIVE TO TRAIL.
3. REFER TO SIGN TYPE B-1 DETAILS FOR SIGN TYPE B-2, B-3 AND B-4 SIGN CONTENT DIMENSIONS.
4. SIGN PLACEMENT AND MOUNTING HEIGHT SHALL BE IN ACCORDANCE WITH MUTCD, CURRENT WA ADOPTED EDITION; HARDWARE FOR SIGN MOUNTING SHALL BE PER WSDOT SP G-50.10-03 AND G-24.50-05.
5. POSTS SHALL BE INSTALLED PER SIGN POST FOUNDATION DETAIL, SHEET 18.

WAYFINDING SIGN DETAIL
NTS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		21098TRAIL-DET.dwg
ENGINEERING MANAGER	DATE	FILENAME CS 04/24
PROJECT MANAGER	DATE	DESIGNED BY GP 04/24
PROJECT ENGINEER	DATE	DRAWN BY PN 04/24
	DATE	CHECKED BY 04/24



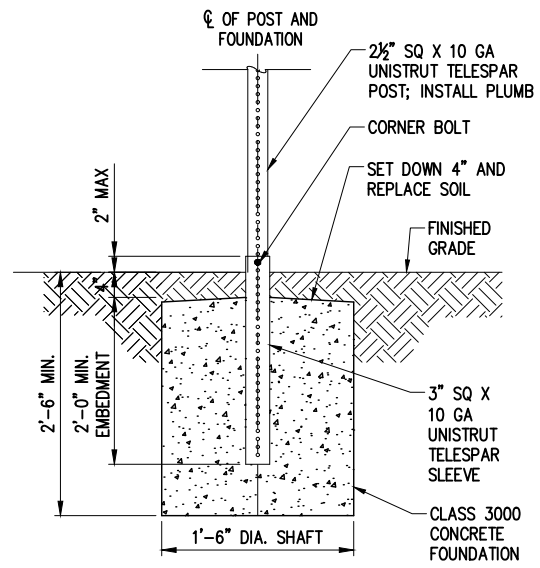
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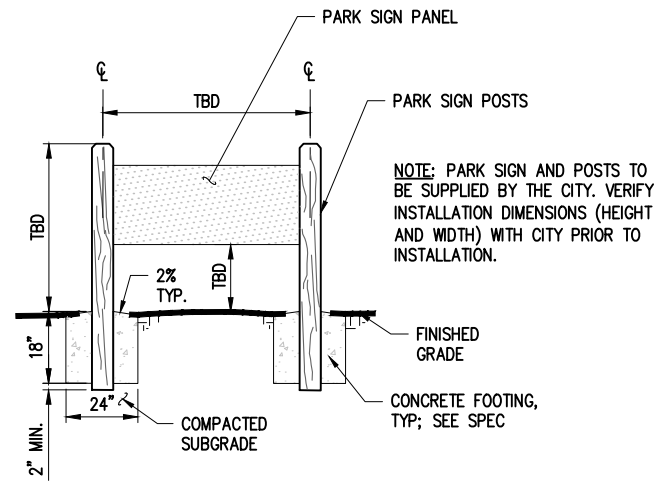


CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

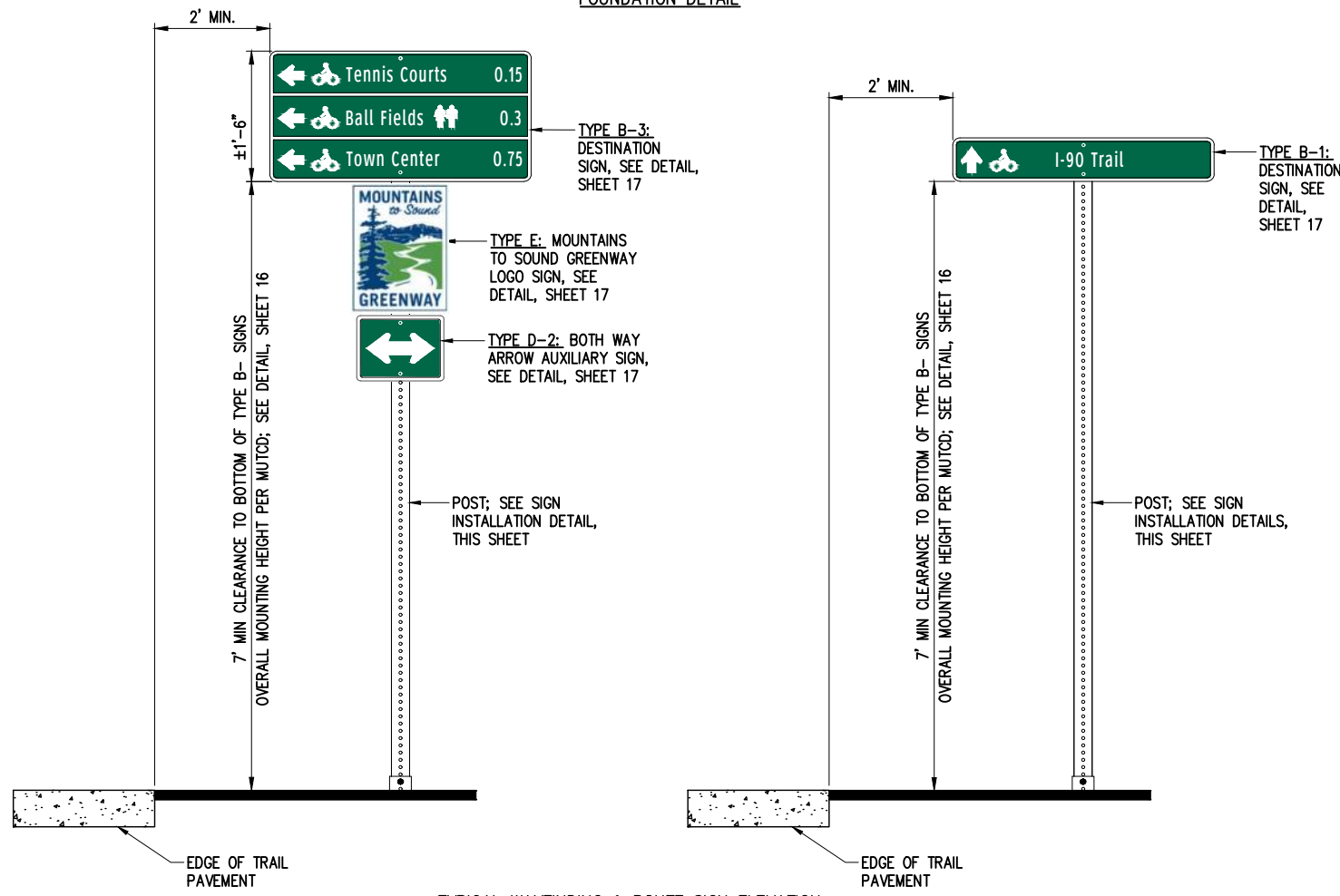
TRAIL IMPROVEMENT DETAILS	
KPG PROJECT No. 21098	SHT 17 OF 25



FOUNDATION DETAIL

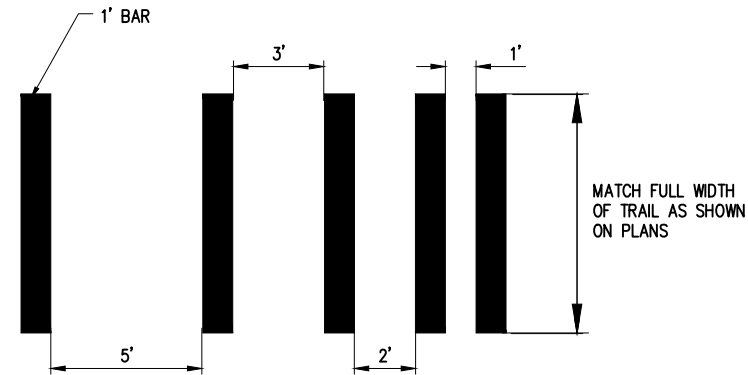


PARK SIGN INSTALLATION DETAIL
NTS

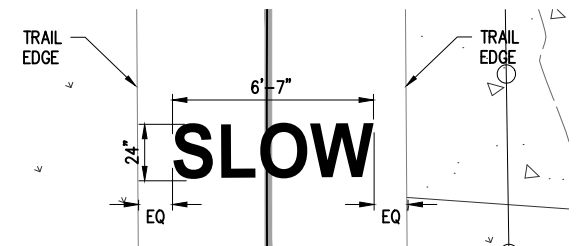


TYPICAL WAYFINDING & ROUTE SIGN ELEVATION

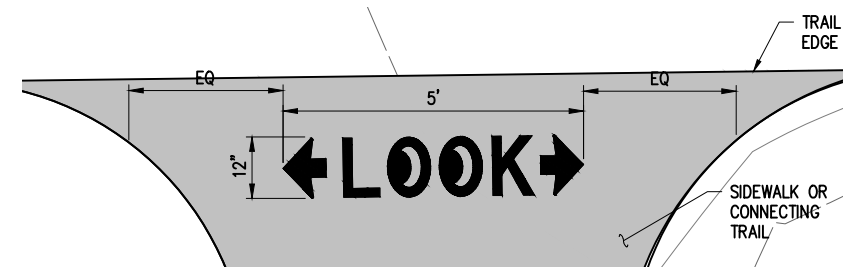
WAYFINDING SIGN DETAIL
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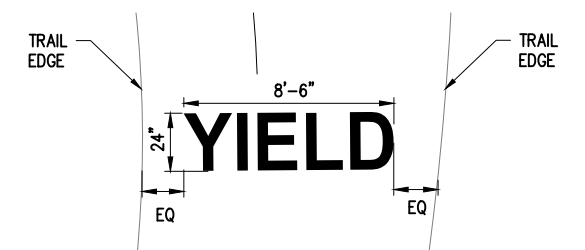
PLASTIC BARS LAYOUT DETAIL
NTS



PAINTED "SLOW" TRAFFIC LETTER LAYOUT DETAIL
NTS



PAINTED "LOOK" LAYOUT DETAIL
NTS



PAINTED "YIELD" TRAFFIC LETTER LAYOUT DETAIL
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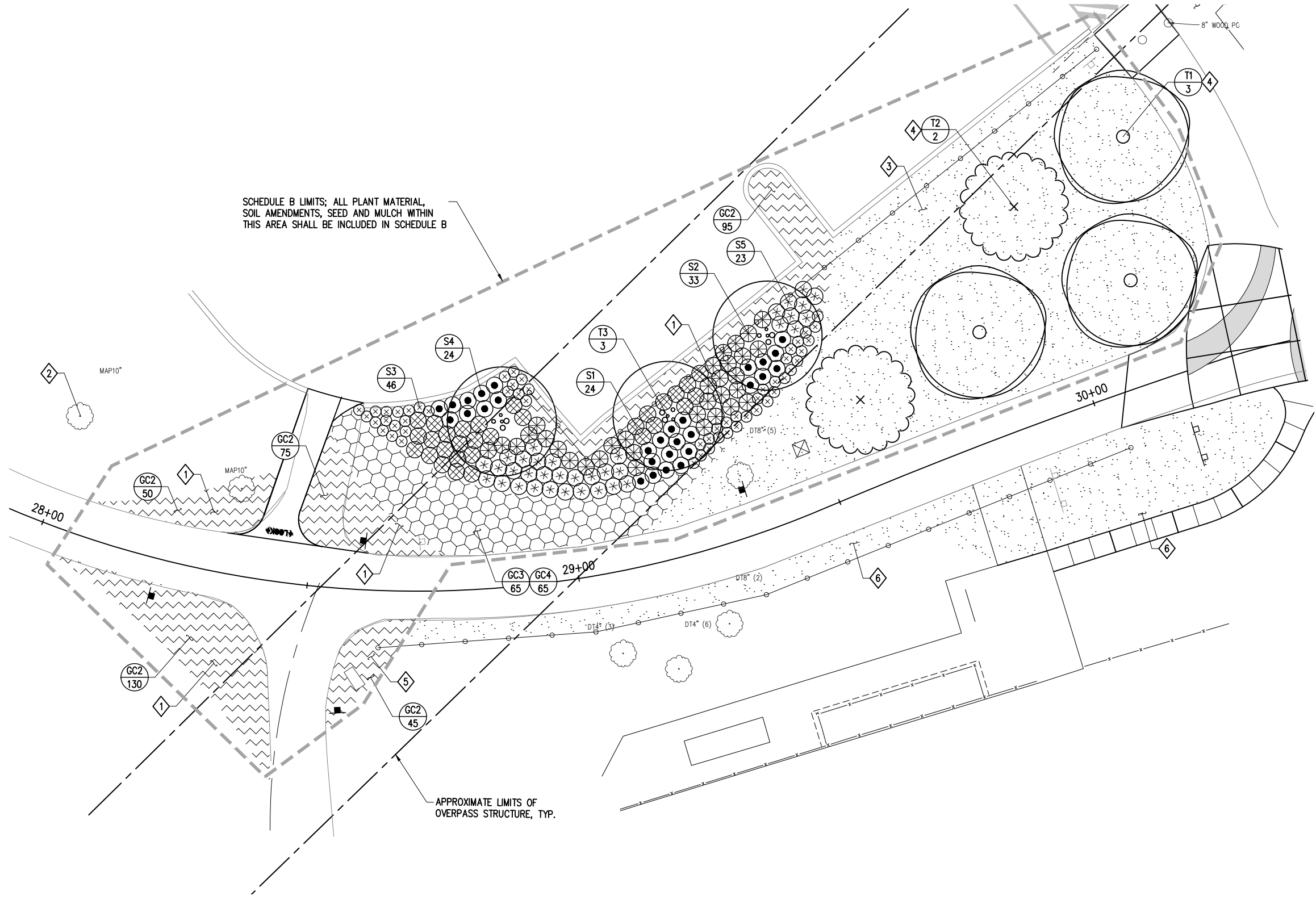
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CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

TRAIL IMPROVEMENT DETAILS	
KPG PROJECT No. 21098	SHT 18 OF 25

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SCHEDULE B LIMITS; ALL PLANT MATERIAL, SOIL AMENDMENTS, SEED AND MULCH WITHIN THIS AREA SHALL BE INCLUDED IN SCHEDULE B

APPROXIMATE LIMITS OF OVERPASS STRUCTURE, TYP.

PLAN

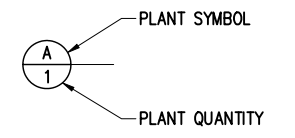


SCALE IN FEET

CONSTRUCTION NOTES

- 1 PLANTER AREA; PLACE 12" FINE COMPOST, SCOOP TO A DEPTH OF 36" TO MIX WITH SUBGRADE (NO ROTOTILLING) AND TOP DRESS WITH 2" BARK OR WOOD CHIP MULCH.
- 2 EXISTING TREE TO REMAIN, SAVE AND PROTECT PER DETAIL, SHEET 8. NEW PLANT MATERIAL SHALL BE ADJUSTED IN THE FIELD TO AVOID TREE ROOT DISTURBANCE.
- 3 LAWN AREA; AMEND NATIVE SOIL WITH 6" FINE COMPOST ROTOTILLED INTO 12" OF SUBGRADE AND HYDROSEED WITH SEEDED LAWN MIX.
- 4 INSTALL MULCH RING PER DETAIL, SHEET 21.
- 5 PLANTER AREA AROUND EXISTING COLUMN; AMEND NATIVE SOIL WITH 6" FINE COMPOST ROTOTILLED INTO 12" OF SUBGRADE.
- 6 LAWN RESTORATION AREA; AMEND NATIVE SOIL WITH 3" FINE COMPOST AND HYDROSEED WITH SEEDED LAWN MIX.

SEE SHEETS 20-21 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES



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

LANDSCAPE RESTORATION PLANS
ENLARGED VIEW - STA 28+00 TO STA 30+00
KPG PROJECT No. 21098 SHT 19 OF 25

PLANT SCHEDULE

SYMBOL		BOTANICAL NAME/COMMON NAME	QTY	SIZE	REMARKS
		TREES			
	T1	GLEDITSIA TRIACANTHOS 'IMPCOLE' / IMPERIAL HONEYLOCUST	3	2.5" CAL. 12'-14' HT.	B&B; WELL BRANCHED
	T2	LAGERSTROEMIA X FAURIEI 'NATCHEZ' / NATCHEZ CREPE MYRTLE	2	2" CAL. 10'-12' HT.	B&B; WELL BRANCHED
	T3	ACER CIRCINATUM / VINE MAPLE	3	6'-7' HT.	B&B; 3-5 CANES MIN. 1" MIN. CAL. PER CANE
		SHRUBS			
	S1	HYDRANGEA QUERCIFOLIA 'PEE WEE' / PEE WEE OAKLEAF HYDRANGEA	30	2 GAL. CONT.	36" O.C. TRI. SP. TYP.
	S2	RHODODENDRON X 'PERCY WISEMAN' / PERCY WISEMAN RHODODENDRON	33	2 GAL. CONT.	36" O.C. TRI. SP. TYP.
	S3	BERBERIS THUNBERGII 'CONCORDE' / CONCORDE BARBERRY	53	1 GAL. CONT.	24" O.C. TRI. SP. TYP.
	S4	BUXUS SEMPERVIRENS 'SUFFRUTICOSA' / DWARF ENGLISH BOXWOOD	29	1 GAL. CONT.	36" O.C. TRI. SP. TYP.
	S5	SARCOCOCCA HOOKERIANA HUMILIS / TRAILING SWEETBOX	35	2 GAL. CONT.	36" O.C. TRI. SP. TYP.
		GROUNDCOVERS			
	GC2	PACHYSANDRA TERMINALIS 'VARIEGATA' / VARIEGATED JAPANESE PACHYSANDRA	395	1 GAL. CONT.	24" O.C. TRI. SP. TYP.
	GC3	MAHONIA NERVOSA / OREGON GRAPE *	65	1 GAL. CONT.	30" O.C. TRI. SP. TYP.
	GC4	POLYSTICHUM MUNITUM / WESTERN SWORD FERN *	65	1 GAL. CONT.	30" O.C. TRI. SP. TYP.

* INTERMIX IN GROUPS OF 3-5 MIN. PER SPECIES

NOTE: ALL TREES AND PLANTS TO BE PROCURED BY CITY OF MERCER ISLAND; SEE SPECIAL PROVISIONS

GENERAL NOTES

1. ALL PLANT MATERIAL WILL BE PROCURED BY THE CITY OF MERCER ISLAND; CONTRACTOR SHALL COORDINATE PICKUP OR DELIVERY OF PLANT MATERIAL FROM THE NURSERY; SEE SPECIAL PROVISIONS.
2. ALL DISTURBED AREAS NOT OTHERWISE SPECIFICALLY CALLED OUT FOR RESTORATION ON THE PLANS SHALL BE RESTORED PER RESTORATION TABLE, THIS SHEET, AS APPROVED BY THE ENGINEER.

RESTORATION TABLE

EXISTING CONDITIONS	RESTORATION
GRAVEL	2" CSTC*
LAWN / UNIMPROVED AREA	AMEND SOIL WITH 3" FINE COMPOST AND HYDROSEED
LANDSCAPED AREA / MULCH	AMEND SOIL WITH 3" FINE COMPOST AND TOPDRESS WITH 2" BARK OR WOOD CHIP MULCH

*INCREASE DEPTH OF CSTC/SOIL AMENDMENT AS REQUIRED TO BRING FINISHED GRADE FLUSH WITH ADJACENT SURFACES

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PROJECT ENGINEER	DATE	DRAWN BY CS 04/24
	DATE	CHECKED BY DATE



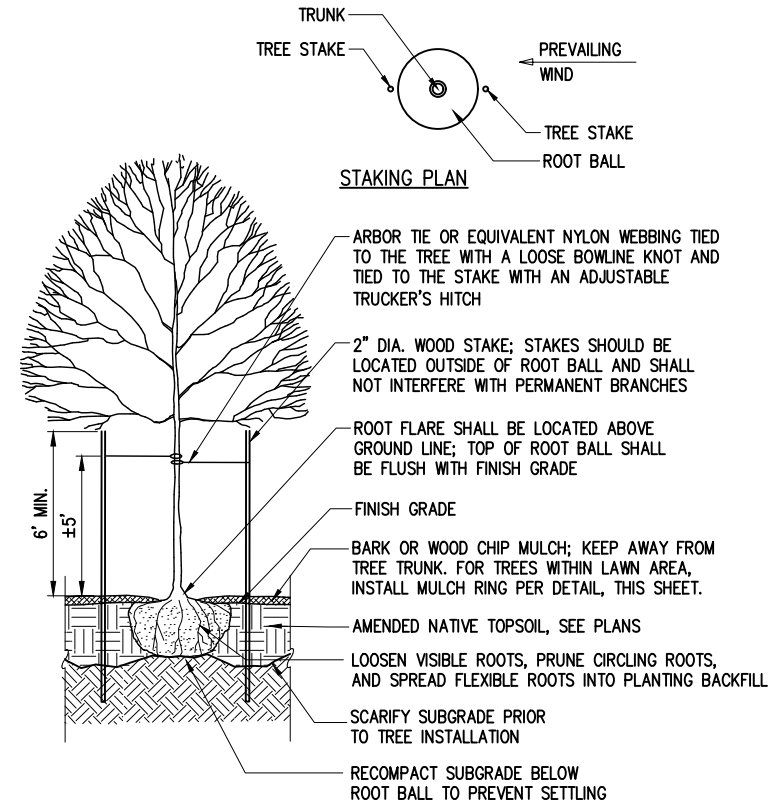
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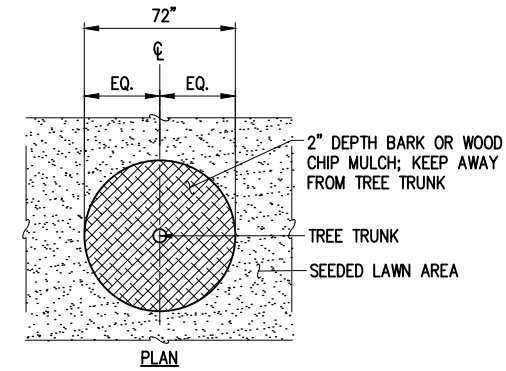


**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

LANDSCAPE SCHEDULE	
KPG PROJECT No. 21098	SHT <u>20</u> OF <u>25</u>



TYPICAL DECIDUOUS TREE PLANTING DETAIL
NTS

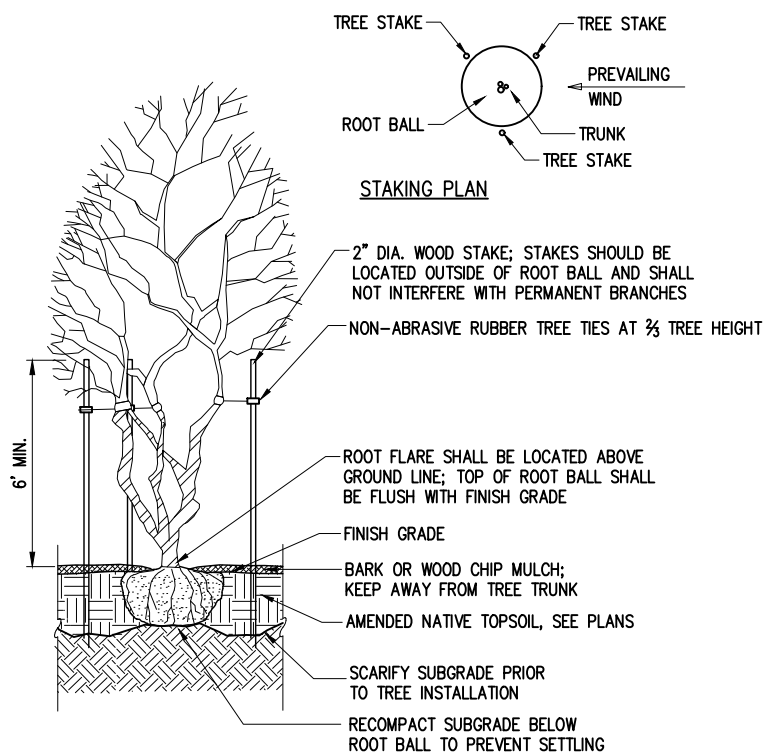


TYPICAL MULCH RING DETAIL
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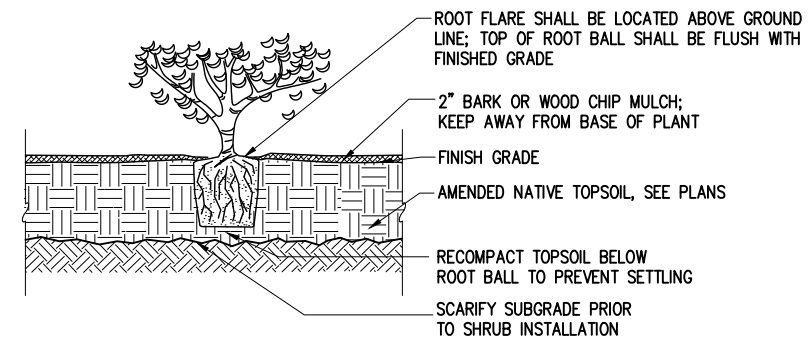
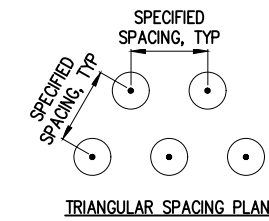
NOTE: DETAIL APPLIES ONLY TO NEW TREE PLANTINGS IN LAWN AREAS.

TREE PLANTING NOTES

1. TREE PIT SHALL NOT BE LESS THAN (3) TIMES ROOT BALL DIA.
2. CUT ALL TIES AND REMOVE BURLAP FROM ROOT BALL; REMOVE ALL PLASTIC AND TWINE.
3. STAKE TREES PARALLEL TO PREVAILING WIND.
4. BACKFILL AMENDED NATIVE TOPSOIL AROUND ROOT BALL IN 6" LIFTS AND LIGHTLY RECOMPACT EACH LIFT; AFTER BACKFILLING, WATER IN ROOT BALL TO SETTLE THE SOIL.



TYPICAL MULTISTEM TREE PLANTING DETAIL
NTS



TYPICAL SHRUB/GROUNDCOVER PLANTING DETAIL
NTS

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Approved By		210989LS-DET.dwg
ENGINEERING MANAGER	DATE	FILENAME GP 04/24
PROJECT MANAGER	DATE	DESIGNED BY DATE 04/24
PROJECT ENGINEER	DATE	DRAWN BY DATE 04/24
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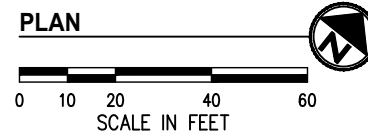
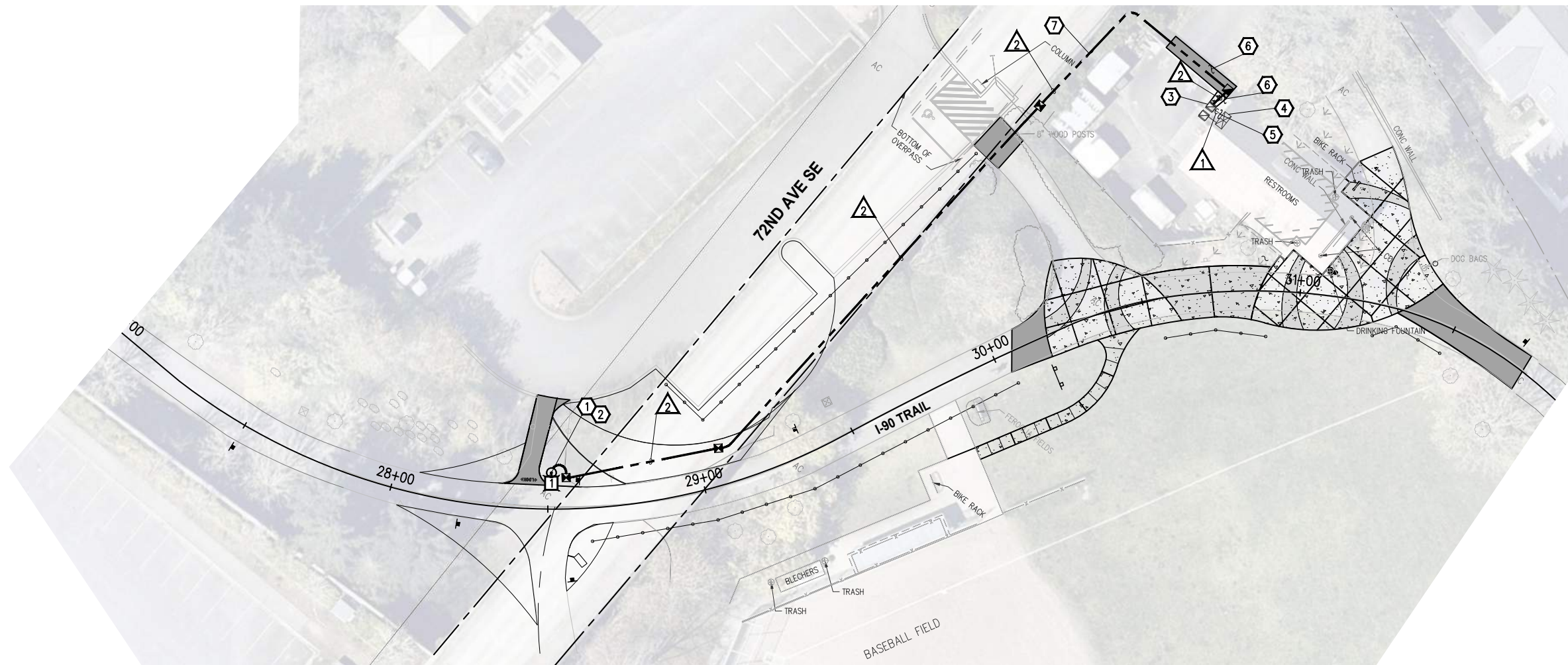
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CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS

LANDSCAPE DETAILS	
KPG PROJECT No. 21098	SHT 21 OF 25

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GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND PARKS OPERATIONS MANAGER SAM HARB AT (206) 275-7874 TO COORDINATE ALL WORK WITHIN THE PARK BATHROOM FACILITY.

CONSTRUCTION NOTES

- CONSTRUCT LUMINAIRE POLE FOUNDATION PER CITY OF MERCER ISLAND STD DETAIL IL-3 (EXCEPT BOLT CIRCLE SHALL MATCH DETAIL, SHEET 23 AND TOP OF FOUNDATION SHALL BE FLUSH WITH PROPOSED GRADE) AND FURNISH AND INSTALL LUMINAIRE POLE, LUMINAIRE, WIRING AND ALL ASSOCIATED EQUIPMENT PER ILLUMINATION DETAILS, SHEET 23. SEE LUMINAIRE SCHEDULE, THIS SHEET, FOR ADDITIONAL INFORMATION. POLE AND JUNCTION BOX WIRING SHALL BE PER WSDOT STD PLAN J-28.70 (CONDUIT TO POLE SHALL BE 2" PVC AND WIRING SIZE SHALL BE #8 AWG). SEE SPECIAL PROVISIONS.
- USE VECTOR TRUCK FOR FOUNDATION EXCAVATION TO PROTECT UNDERGROUND WSDOT LID STRUCTURE.
- INSTALL NEW CONDUIT TO EXISTING JUNCTION BOX PER WIRE NOTES, THIS SHEET. PROTECT EXISTING WIRING DURING CONSTRUCTION. ADJUST JUNCTION BOX TO PROPOSED GRADE.
- LOCATION OF EXISTING BUILDING ELECTRICAL PANEL. COORDINATE CONNECTION OF NEW 120V ILLUMINATION CIRCUIT BREAKER WITH PARKS FACILITIES.
- USE EXISTING COMMUNICATIONS CONDUIT TO BRING NEW WIRING TO EXISTING SERVICE PANEL MOUNTED INSIDE PARKS MAINTENANCE FACILITY BUILDING.
- FOR TRENCH RESTORATION ACROSS CONCRETE PAD AND ASPHALT DRIVEWAY SEE TRAIL IMPROVEMENT PLANS, SHEET 12 AND TRAIL IMPROVEMENT DETAILS, SHEET 15.
- LOCATION OF EXISTING INFORMAL PATH ADJACENT TO MAINTENANCE BUILDING. LOCATE TRENCH AND NEW CONDUIT ALONG PATH. FOR TRENCH RESTORATION ACROSS INFORMAL PATH SEE RESTORATION TABLE, SHEET 20.

LEGEND

EXISTING	NEW	DESCRIPTION
		AREA STYLE LUMINAIRE
		ELECTRICAL SERVICE CABINET
		JUNCTION BOX TYPE 1 & 2
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE

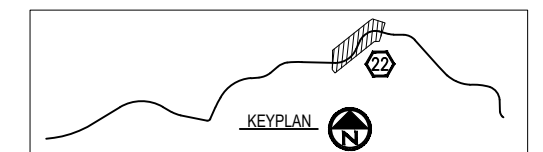
LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	CIRCUIT #	COMMENTS
1	28+51	11.4' LT	AREA STYLE LUMINAIRE, TYPE II, 31W, 3000K, 120V	0.5'	15'	1	

WIRE NOTES

#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	EX	EX WIRING, 2-#8 (ILL)	
2	2"	2-#8 (ILL)	

NOTES:

- ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
- ALL CONDUIT SHALL BE RIGID PVC SCH 80.



NO.	DATE	BY	APPR.	REVISIONS

Approved By		FILENAME	DATE
ENGINEERING MANAGER	DATE	21098ILL.dwg	04/24
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PROJECT ENGINEER	DATE	DRAWN BY	04/24
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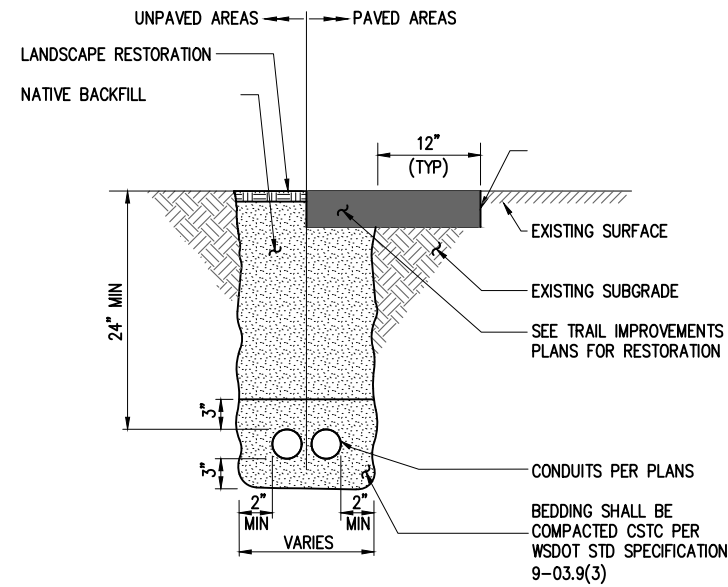
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**CITY OF MERCER ISLAND
 AUBREY DAVIS PARK
 TRAIL SAFETY IMPROVEMENTS**

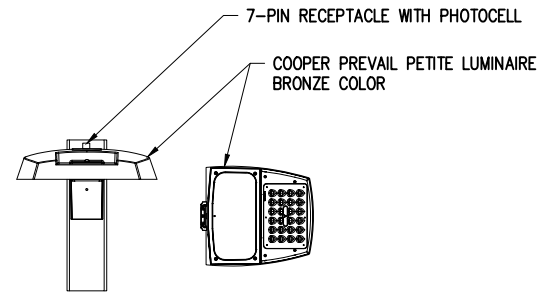
ILLUMINATION SHEETS
 STA 27+00 TO STA 31+85

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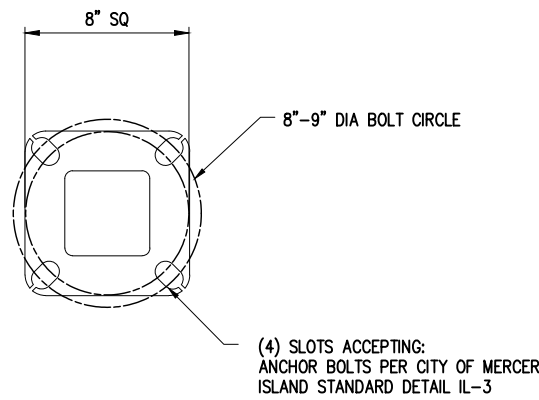


- NOTES:**
1. EXISTING ASPHALT PAVEMENT MUST BE SAWCUT TO PROVIDE A CLEAN STRAIGHT EDGE BEFORE CONDUIT PLACEMENT.
 2. EXISTING MATERIAL DISTURBED UNDER THE CONDUIT SHALL BE REPLACED WITH BEDDING MATERIAL AND COMPACTED TO 95% MAX DENSITY (MODIFIED PROCTOR).
 3. BACKFILL MATERIAL SHALL BE INSTALLED IN AN APPROVED MANNER TO ENSURE NO DAMAGES TO THE CONDUIT.

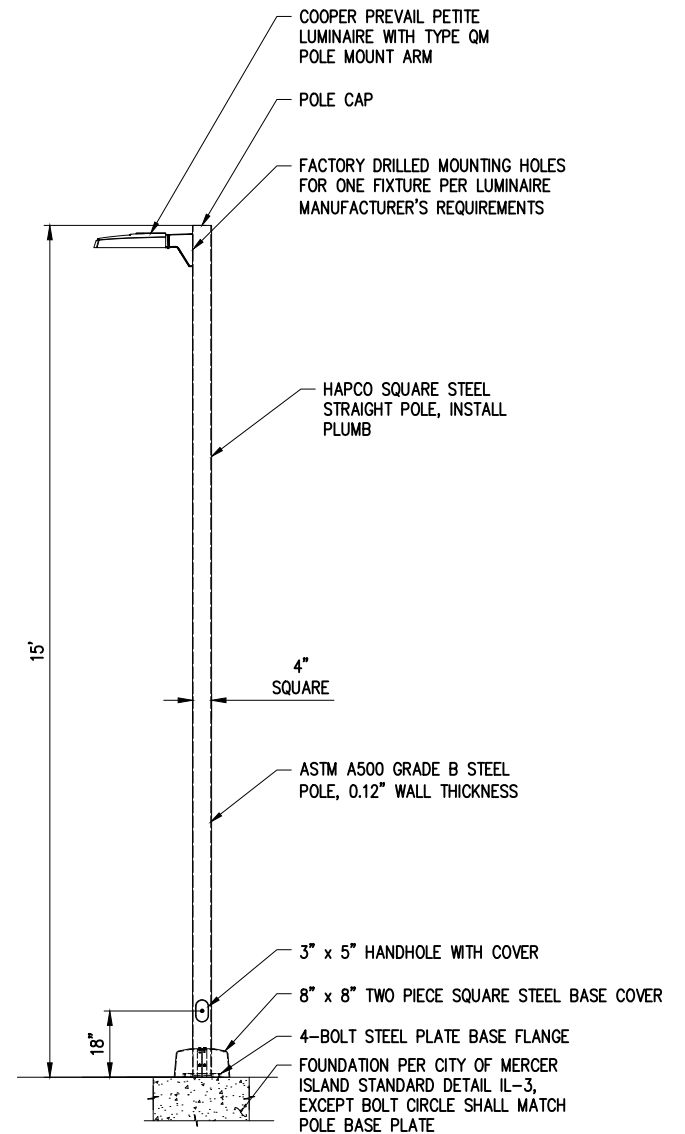
CONDUIT TRENCH DETAIL
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LUMINAIRE DETAIL
NTS



BASE PLATE DETAIL
NTS



LUMINAIRE & LUMINAIRE POLE DETAIL
NTS

- NOTE:**
1. LUMINAIRE SHALL BE COLOR BRONZE (BZ).
 2. POWDER COAT POLE TO MATCH LUMINAIRE. PROVIDE PAINT CHIP TO CITY PRIOR TO ACCEPTANCE.

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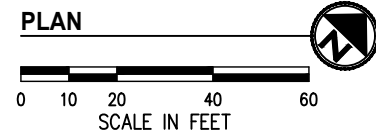
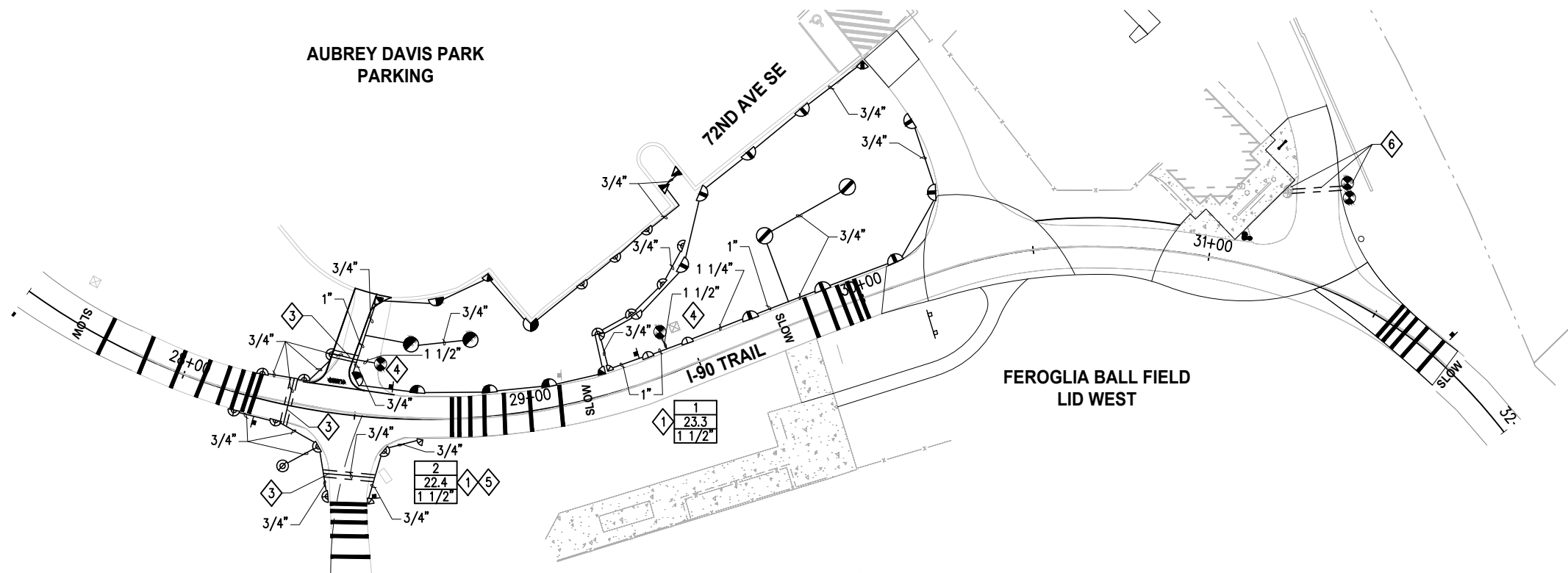
**CITY OF MERCER ISLAND
AUBREY DAVIS PARK
TRAIL SAFETY IMPROVEMENTS**

ILLUMINATION SHEETS ILLUMINATION DETAILS	
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CONSTRUCTION NOTES

- 1 INSTALL CONTROL VALVE BOX IN PLANTER AREA, TIGHT TO EDGE OF PLANTER OR BACK OF SIDEWALK TO MAXIMIZE PLANTER AREA; LOCATION SHOWN ON DRAWINGS IS DIAGRAMMATIC.
- 2 MAINLINE AND LATERAL LINES TO BE LOCATED IN PLANTER WHERE POSSIBLE; LOCATION SHOWN ON DRAWINGS IS DIAGRAMMATIC.
- 3 PUSH IRRIGATION PIPE SLEEVE UNDER EXISTING ASPHALT PATH, EITHER BY DIRECTIONAL BORING OR OTHER TUNNELING METHOD. SIZE SLEEVE TO FIT LATERAL PIPE REQUIRED. NO PAVEMENT REMOVAL FOR PIPE INSTALLATION WILL BE ALLOWED.
- 4 APPROX. LOCATION OF EXISTING VALVE(S) FOR NEW IRRIGATION ZONES. VERIFY IN FIELD LOCATION, WITH COMI PARKS DEPARTMENT, OF TWO EXISTING VALVES IN THIS AREA. REMOVE EXISTING VALVE AND BOXES AND REPLACE WITH NEW VALVES AND VALVE BOXES. RECONNECT SHRUB VALVE TO EXISTING ZONE AND EXTEND LATERAL LINE TO NEW AREA. THE NEW SHRUB ZONE AREA WILL BE AN EXTENSION OF AN EXISTING SHRUB ZONE. UTILIZE EXISTING VALVE WIRING FOR NEW VALVES, TYP.
- 5 GPM NOTED IS FOR NEW AREA, TOTAL FOR VALVE WILL INCLUDE EXISTING SHRUB AREA. SIZE EXTENSION OF LATERAL PIPING ACCORDINGLY, TO ACCOMMODATE ADDITIONAL SHRUB AREA.
- 6 RELOCATED EXISTING IRRIGATION VALVES, PROVIDE SLEEVING UNDER NEW PAVING AS NECESSARY TO RECONNECT IRRIGATION LINES AND WIRING AS NECESSARY TO RELOCATED VALVES. COORDINATE WITH COMI PARKS DEPARTMENT FOR LOCATION OF EXISTING ZONES AND PIPING CONNECTED TO VALVES. SLEEVING SHOWN IS DIAGRAMMATIC, LOCATION TBD IN FIELD PRIOR TO START OF PAVING CONSTRUCTION.



SPRAY IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL NO
	RAINBIRD R-VAN-SST
	RAINBIRD R-VAN14
	RAINBIRD R-VAN14
	RAINBIRD R-VAN18
	RAINBIRD R-VAN24
	AUTOMATIC CONTROL VALVE
	SCH 40 PVC MAINLINE
	SCH 40 LATERAL LINE
	SCH 40 SLEEVE

* SEE SHEET 25 FOR FULL SCHEDULE

PIPE SIZE CHART

GPM	SIZE
0 - 8	3/4"
8 - 13	1"
13 - 22	1 1/4"
22 - 30	1 1/2"
30 - 50	2"

NOTE: ALL IRRIGATION MAINLINE SHALL BE 2" PVC SCH 40, UNLESS OTHERWISE NOTED ON PLANS.

SEE SHEET 25 FOR IRRIGATION SCHEDULE, DETAILS AND GENERAL NOTES.

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**CITY OF MERCER ISLAND
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TRAIL SAFETY IMPROVEMENTS**

IRRIGATION PLANS
STA 27+50 TO 32+00 & STA 43+50 TO 46+00

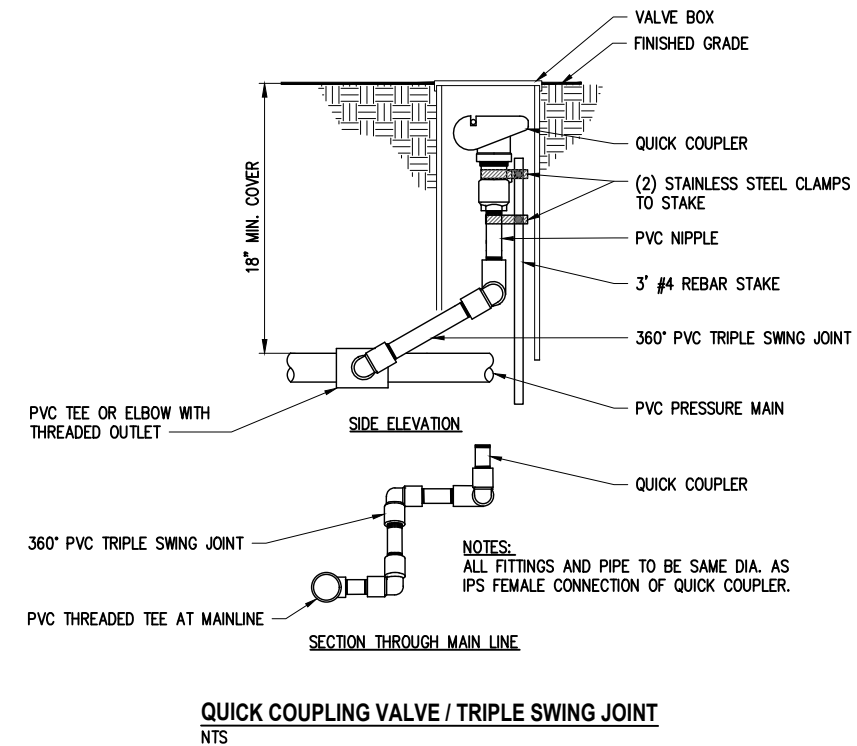
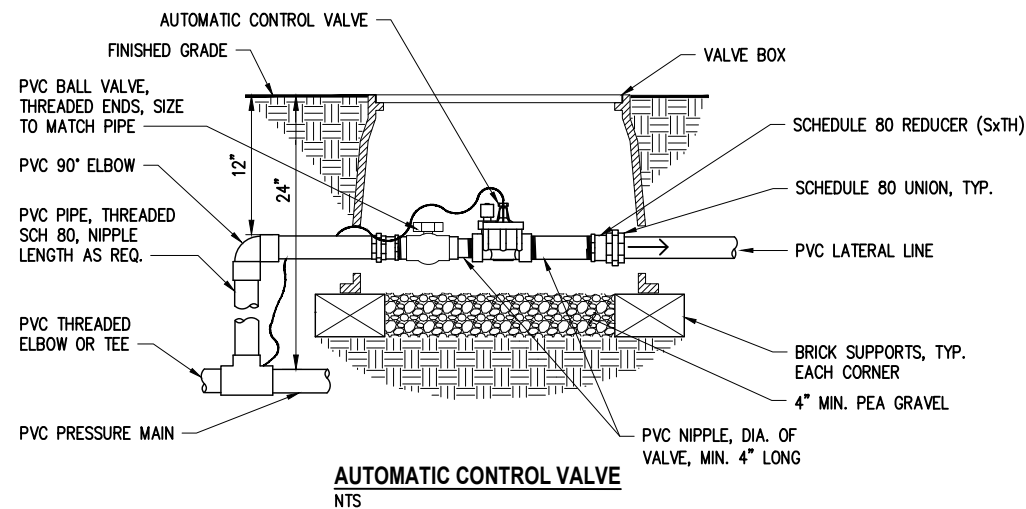
KPG PROJECT No. 21098 SHT 24 OF 25

IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
	RAINBIRD	R-VAN-SST 1806-SAM-PRS40	SHRUB SPRAY HEAD - 6" POP-UP, SIDE STRIP NOZZLE, 5'X30' AT 40 PSI. INSTALL ON TRIPLE SWING JOINT, SEE DETAIL THIS SHEET.
	RAINBIRD	R-VAN14 1804-SAM-PRS40	LAWN ROTARY ADJ. ARC NOZZLE - 4" POP-UP. 12' RADIUS AT 40 PSI. INSTALL ON TRIPLE SWING JOINT, SEE DETAIL THIS SHEET.
	RAINBIRD	R-VAN14 1806-SAM-PRS40	ROTARY ADJ. ARC NOZZLE - 6" POP-UP. 12' RADIUS AT 40 PSI. INSTALL ON TRIPLE SWING JOINT, SEE DETAIL THIS SHEET.
	RAINBIRD	R-VAN18 1806-SAM-PRS40	ROTARY ADJ. ARC NOZZLE - 6" POP-UP. 17' RADIUS AT 40 PSI. INSTALL ON TRIPLE SWING JOINT, SEE DETAIL THIS SHEET.
	RAINBIRD	R-VAN24 1804-SAM-PRS40	LAWN ROTARY ADJ. ARC NOZZLE - 4" POP-UP. 22' RADIUS AT 40 PSI. INSTALL ON TRIPLE SWING JOINT, SEE DETAIL THIS SHEET.
	RAINBIRD	PEB	AUTOMATIC CONTROL VALVE - SIZE AS NOTED ON PLAN. INSTALL WITH PVC BALL VALVE, SIZE TO MATCH MAIN LINE. SEE DETAIL, THIS SHEET. CONNECT TO EXISTING CONTROLLER WIRING, VERIFY WITH COMI PARKS DEPARTMENT.
			PVC SCH 40, IRRIGATION MAIN LINE - 24" MIN. COVER - SIZE AS NOTED ON PLAN.
			CLASS 200, LATERAL SUPPLY LINE- 18" MIN. COVER - SIZE AS NOTED ON PLAN.
			SLEEVING, PVC SCHEDULE 40, SIZE TWICE INSERT PIPE DIA.
	INDICATES VALVE #		
	INDICATES APPROX. GPM		
	INDICATES VALVE SIZE		

GENERAL NOTES

- COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH OTHER UTILITIES. LOCATE AND PROTECT ALL UNDERGROUND UTILITIES DURING INSTALLATION OF IRRIGATION SYSTEM.
- CONTRACTOR MUST COORDINATE SLEEVING AND PIPE LOCATIONS WITH INSTALLATION OF UNDERGROUND UTILITIES (INCLUDING ELECTRICAL, SEWER, WATER AND GAS), SIDEWALK, URBAN DESIGN FEATURES AND ILLUMINATION.
- IRRIGATION SYSTEM SHALL BE INSTALLED, TESTED, MAINTAINED AND GUARANTEED AS PER SPECIFICATIONS.
- IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 30-40 PSI. CONTRACTOR SHALL FIELD CHECK EXISTING WATER PRESSURE, ADJUSTING PRESSURE REDUCING VALVE AS NECESSARY TO PROVIDE OPTIMAL PERFORMANCE.
- LOCATION OF IRRIGATION MAINLINE, LATERALS, SLEEVING AND VALVES INDICATED ON DRAWING ARE DIAGRAMMATIC ONLY. ADJUST LOCATIONS AS NECESSARY. DO NOT OVERSPRAY ONTO PAVED SURFACES.
- MAINLINE SHALL BE BURIED AT A DEPTH OF 24" BELOW FINISH GRADE. LATERAL LINES SHALL BE BURIED AT A DEPTH OF 18" BELOW FINISH GRADE.
- SLEEVE UNDER ALL PAVED SURFACES AND CONCRETE SIDEWALK. SEE IRRIGATION PLANS FOR LOCATION OF PVC SLEEVING, SLEEVING SHALL BE 2 TIMES THE DIAMETER OF THE INSERT PIPE AND WIRES.
- CONTROLLER WIRES SHALL BE TAPED TO IRRIGATION MAIN OR LATERAL LINES WHERE POSSIBLE. IF NOT AVAILABLE, WIRES TO CONTROLLER SHALL BE PLACED IN 1" /1.5" SLEEVE, USE 3M DBY SPLICE KITS.
- ALL EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL. SYSTEM IS SPECIFICALLY DESIGNED FOR IRRIGATION EQUIPMENT SHOWN ON PLANS AND SUBSTITUTION WILL REQUIRE REDESIGN AND RECALCULATION OF IRRIGATION ZONES.



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IRRIGATION SCHEDULE AND DETAILS