



CITY OF MERCER ISLAND

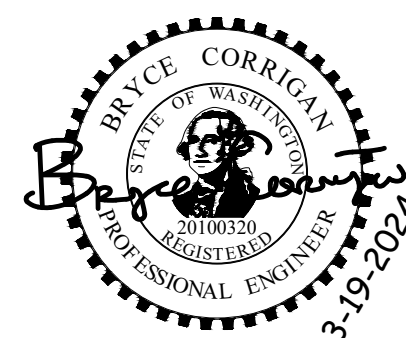
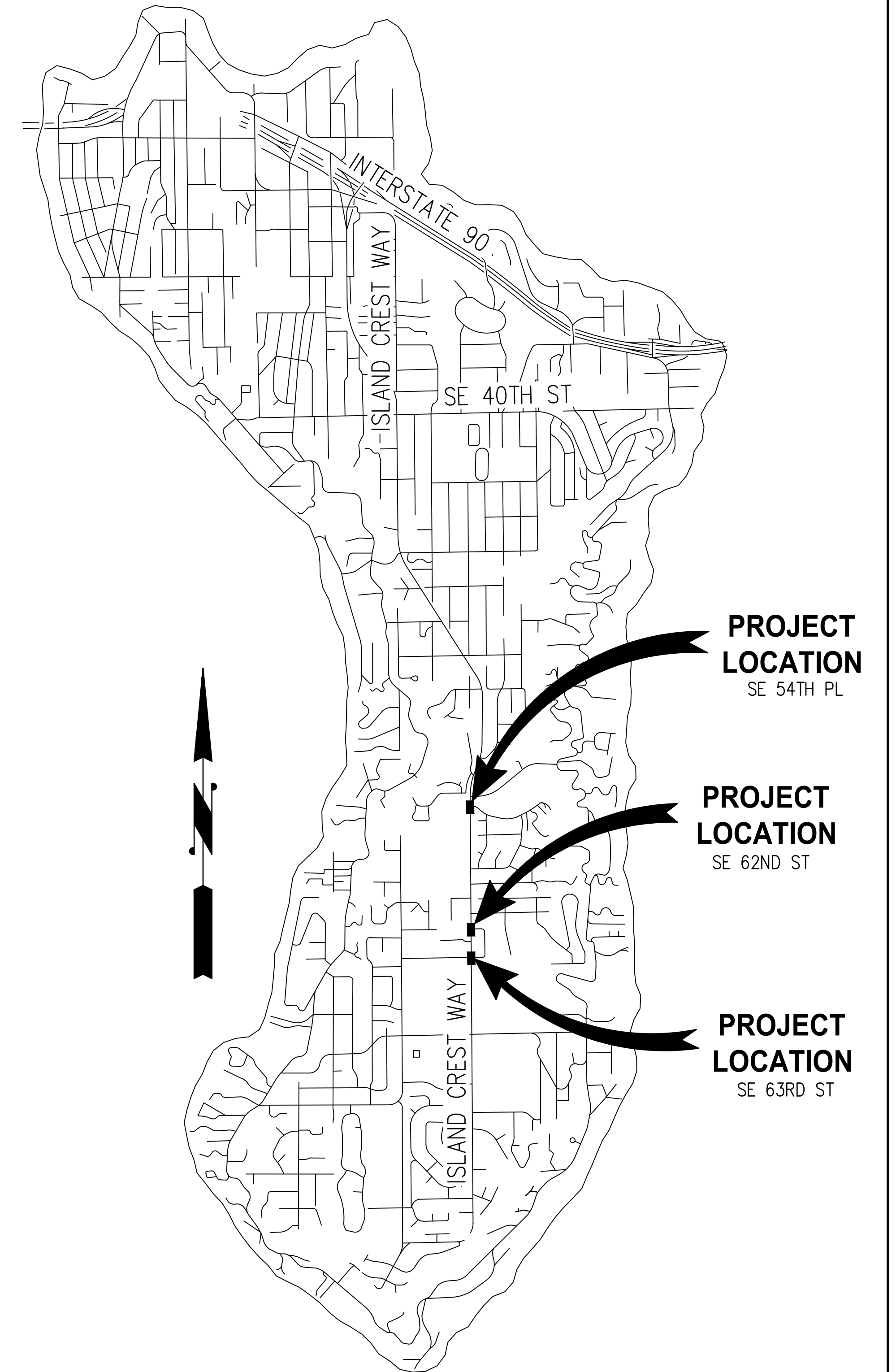
ISLAND CREST WAY CROSSWALK IMPROVEMENTS

MARCH 2024

CITY PROJECT NUMBER: SP0135

SCHEDULE OF DRAWINGS

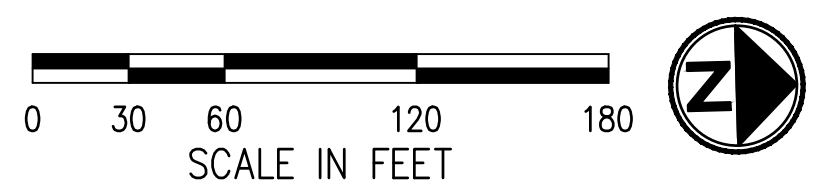
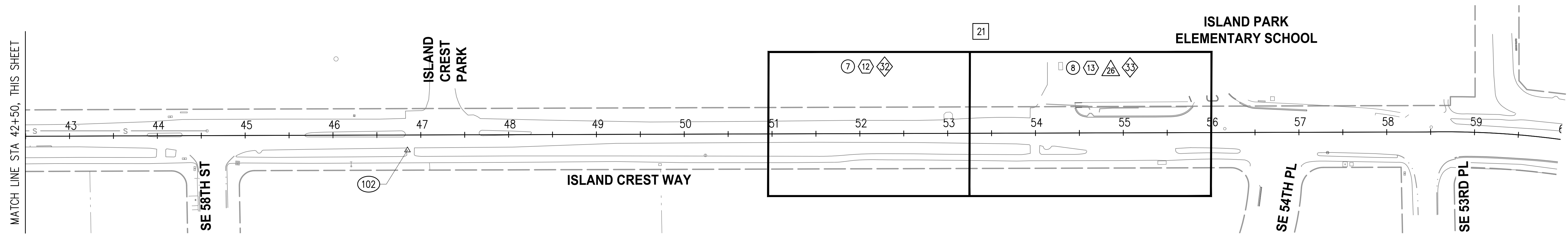
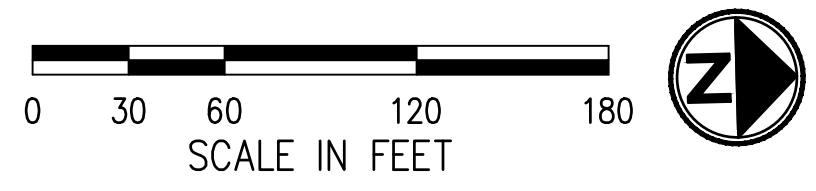
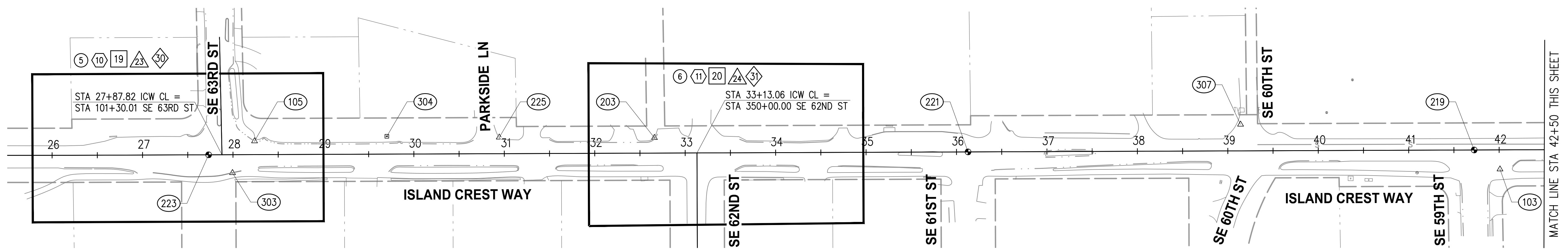
SHEET	DRAWINGS
1	COVER SHEET
2	SHEET INDEX & SURVEY CONTROL
3	ALIGNMENT DATA
4	LEGEND & ABBREVIATIONS
5-9	SITE PREPARATION & TESC PLAN & DETAILS
10-14	SIDEWALK PLANS & DETAILS
15-18	CURB RAMP DETAILS
19-22	CHANNELIZATION & SIGNING PLAN & DETAILS
23-29	ILLUMINATION & SIGNAL PLAN & DETAILS
30-33	TREE RETENTION PLAN & DETAILS



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

BID DOCUMENTS

K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600INDEX.dwg 3/20/2024 9:34 AM



SEE SURVEY NOTES & CENTERLINE ALIGNMENT DATA ON SHEET 3

# CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
100	SPIKE	206006.31	1297853.61	339.71'
101	SPIKE	205351.24	1297610.99	343.29'
102	SPIKE	204209.67	1297620.73	332.11'
103	SPIKE	203725.82	1297613.80	330.10'
104	SPIKE	203160.95	1297561.26	327.10'
105	SPIKE	202349.99	1297546.66	303.66'
106	SPIKE	201437.52	1297553.44	335.22'
107	SPIKE	200845.87	1297510.11	348.39'
108	MAG	200391.40	1297524.23	344.49'
200	SPIKE	204930.73	1297597.41	338.38'
203	SPIKE	202792.09	1297554.53	319.23'
225	MAG	202620.62	1297549.58	313.63'
226	MAG	202829.36	1297554.62	319.86'
227	SPIKE	204586.13	1297627.26	334.74'
230	MAG	205485.87	1297471.28	340.20'

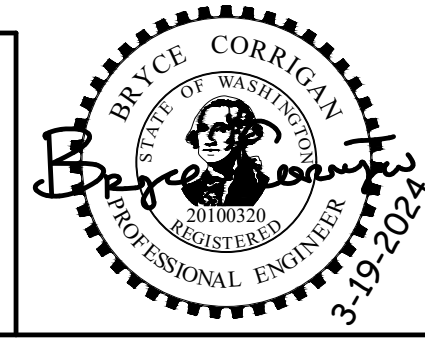
# CONTROL POINT LIST				
231	MAG (PACE)	205578.94	1297479.03	340.00'
232	MAG	205631.87	1297316.63	326.04'
300*	HT	200811.11	1297801.13	345.49'
301	HT	200615.36	1297539.84	344.39'
302	MAG	200814.06	1297299.11	353.66'
303	MAG	202324.73	1297581.13	303.85'

* = POINT NOT SHOWN ON PLAN

- SHEET LEGEND**
- (X) SITE PREPARATION & TESC PLAN
 - (X) SIDEWALK & CHANNELIZATION PLAN
 - (X) CHANNELIZATION & SIGNING PLAN
 - (X) ILLUMINATION PLAN
 - (X) TREE RETENTION PLAN

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9\MER010600INDEX.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

SHEET INDEX & SURVEY CONTROL	
KPG PROJECT No. 9\MER010600	SHT <u>2</u> OF <u>33</u>

K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600INDEX.dwg 3/20/2024 9:34 AM

ICW CL								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
L1	10+00.00	200526.39	1297514.73	300.00'	N 1°39'23" E			
L2	13+00.00	200826.26	1297523.40	1322.65'	N 1°27'36" E			
L3	26+22.65	202148.48	1297557.10	990.09'	N 1°16'52" E			
L4	36+12.73	203138.32	1297579.23	849.52'	N 1°16'53" E			
L5	44+62.26	203987.63	1297598.23	1211.17'	N 1°19'37" E			
L6	56+73.42	205198.47	1297626.27	172.15'	N 1°21'19" E			
C1	58+45.57	205370.57	1297630.35	432.74'	24°50'17"	998.23'	60+65.39	219.82'
C2	62+78.31	205789.43	1297724.71	225.82'	0°01'59"	393008.02'	63+91.22	112.91'
C3	65+04.13	205993.88	1297820.62	394.87'	23°47'08"	951.18'	67+04.45	200.32'

62ND CL					
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG
L9	350+00.00	202838.72	1297572.53	140.00'	S 88°43'08" E

63RD WEST					
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG
L10	100+00.00	202314.30	1297430.78	130.01'	S 89°41'40" E

68TH CL					
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG
L12	500+00.00	200829.35	1297223.42	300.00'	S 89°24'40" E
L13	503+00.00	200826.26	1297523.40	300.00'	S 89°14'00" E

SURVEY 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, SEPTEMBER, 2023. 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.

HORIZONTAL AND VERTICAL DATUM

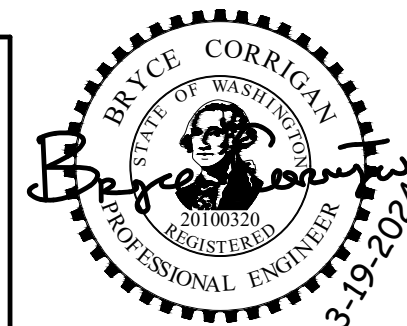
HORIZONTAL DATUM: NAD 83/11, NORTH ZONE
 VERTICAL DATUM: NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) WITH CHECKS TO WSDOT CONTROL POINT "ROANOKE".

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

9\MER010600INDEX.dwg
 FILENAME
 MEF 03/24
 DESIGNED BY DATE
 MEF 03/24
 DRAWN BY DATE
 BMC 03/24
 CHECKED BY DATE



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

BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

ALIGNMENT DATA
 KPG PROJECT No. 9\MER010600 SHT 3 OF 33

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600LEG.dwg 3/20/2024 9:34 AM

EXISTING LEGEND

MIC	MONUMENT IN CASE	T	TELEPHONE RISER	— P —	PAINTED POWER
MON	SURFACE MONUMENT	FO	FIBER OPTIC MANHOLE	— T —	PAINTED TELEPHONE
△	PK NAIL	GV	GAS VALVE	— FO —	PAINTED FIBER OPTIC
RC	REBAR & CAP	WV	WATER VALVE	— TV —	PAINTED TV
□	CATCH BASIN	WM	WATER METER	— W —	PAINTED WATER
⊕	STORM DRAIN MANHOLE	WM	WATER MANHOLE	— G —	PAINTED GAS
⊕	YARD DRAIN	FH	FIRE HYDRANT	— OH —	OVERHEAD UTILITY LINE (GENERIC)
^	CULVERT	BO	BLOW-OFF	— SD —	STORM
○	SEWER MANHOLE	ICV	IRRIGATION CONTROL VALVE	— S —	SEWER
SS	SEWER CLEAN-OUT	UVL	UTILITY VAULT LID (GENERIC/UNKNOWN)	— x — x — x —	FENCE
⊖	POWER POLE	GP	GUARD POST/BOLLARD	~~~~~	HEDGE (HEIGHT NOTED)
⊖	POWER POLE W/UNDERGROUND CONNECT	B	BOULDER	—————	PAINTED STRIPE
⊖	POWER POLE WITH LUMINAIRE	S	SIGN	RAISED PAVEMENT MARKER SOLID STRIPE
⊖	POWER POLE WITH LUMINAIRE AND UNDERGROUND CONNECT	M	MAILBOX (# OF BOXES)	RAISED PAVEMENT MARKER SKIP STRIPE
⊖	POWER MANHOLE	SH	SHRUB	—————	EDGE OF PAVEMENT
⊖	POWER VAULT LID	DT	DECIDUOUS TREE, DIAMETER (# OF TRUNKS)	— · — · — · —	FLOWLINE
⊖	POWER METER	CT	CONIFEROUS TREE, DIAMETER (# OF TRUNKS)	—————	CONTOUR
→	GUY ANCHOR	TS	TREE STUMP	—————	CONCRETE
⊖	PEDESTRIAN SIGNAL	SC	SERVICE CABINET	△	GRAVEL
⊖	JUNCTION BOX			□	ROCKERY
⊖	INTERCONNECT CABINET			AC	ASPHALT/CONCRETE
⊖	STREET LIGHT (LUMINAIRE)			CHLK	CHAINLINK
⊖	LOT LIGHT			---	PROPERTY LINE
⊖	YARD LIGHT			---	RIGHT OF WAY LINE

ABBREVIATIONS

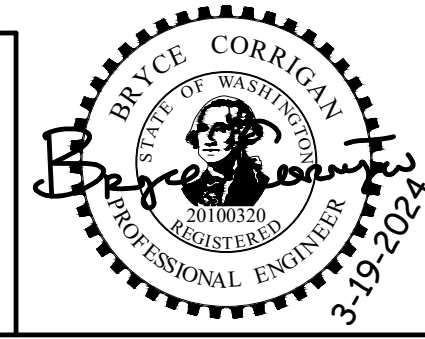
AC	ASPHALT CONCRETE	MIC	MONUMENT IN CASE
ACP	ASPHALT CONCRETE PAVEMENT	MJ	MECHANICAL JOINT
ADA	AMERICANS WITH DISABILITIES ACT	MON	MONUMENT
AP	ANGLE POINT	N	NORTH OR NORTHING
APPROX	APPROXIMATE	NAVD	NORTH AMERICAN VERTICAL DATUM
BLDG	BUILDING	NO	NUMBER
CB	CATCH BASIN	NTS	NOT TO SCALE
CCP	CEMENT CONCRETE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

PROPOSED LEGEND

REMOVE CONCRETE	LUMINAIRE	SIGNAL CABINET
REMOVE ASPHALT PAVEMENT	RRFB POLE, EQUIPMENT AND SIGNS	TYPE 1 JUNCTION BOX
XXXXXXXXXX CURB AND GUTTER REMOVAL	SIGNAL HEAD	TYPE 2 JUNCTION BOX
INLET PROTECTION PER WSDOT STD PLAN I-40.20	FLASHING BEACON	TYPE 8 JUNCTION BOX
REMOVE DECIDUOUS/ CONIFEROUS TREE	MAST ARM SIGN	SERVICE CABINET
HIGH VISIBILITY ORANGE FENCE	POLE MOUNTED SIGN	CONDUIT
SAWCUT LINE	EMERGENCY VEHICLE PREEMPTION	
CLEARING LIMITS	PEDESTRIAN PUSH BUTTON	
CONCRETE PAVEMENT	PEDESTRIAN SIGNAL HEAD	
GRAVEL	TYPE II SIGNAL POLE AND MAST ARM	
NEW PAVEMENT	PS POLE	
DETECTABLE WARNING SURFACE		
HMA THICKENED EDGE		

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600LEG.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	DESIGNED BY
		MEF 03/24
		DRAWN BY
		BMC 03/24
		CHECKED BY



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

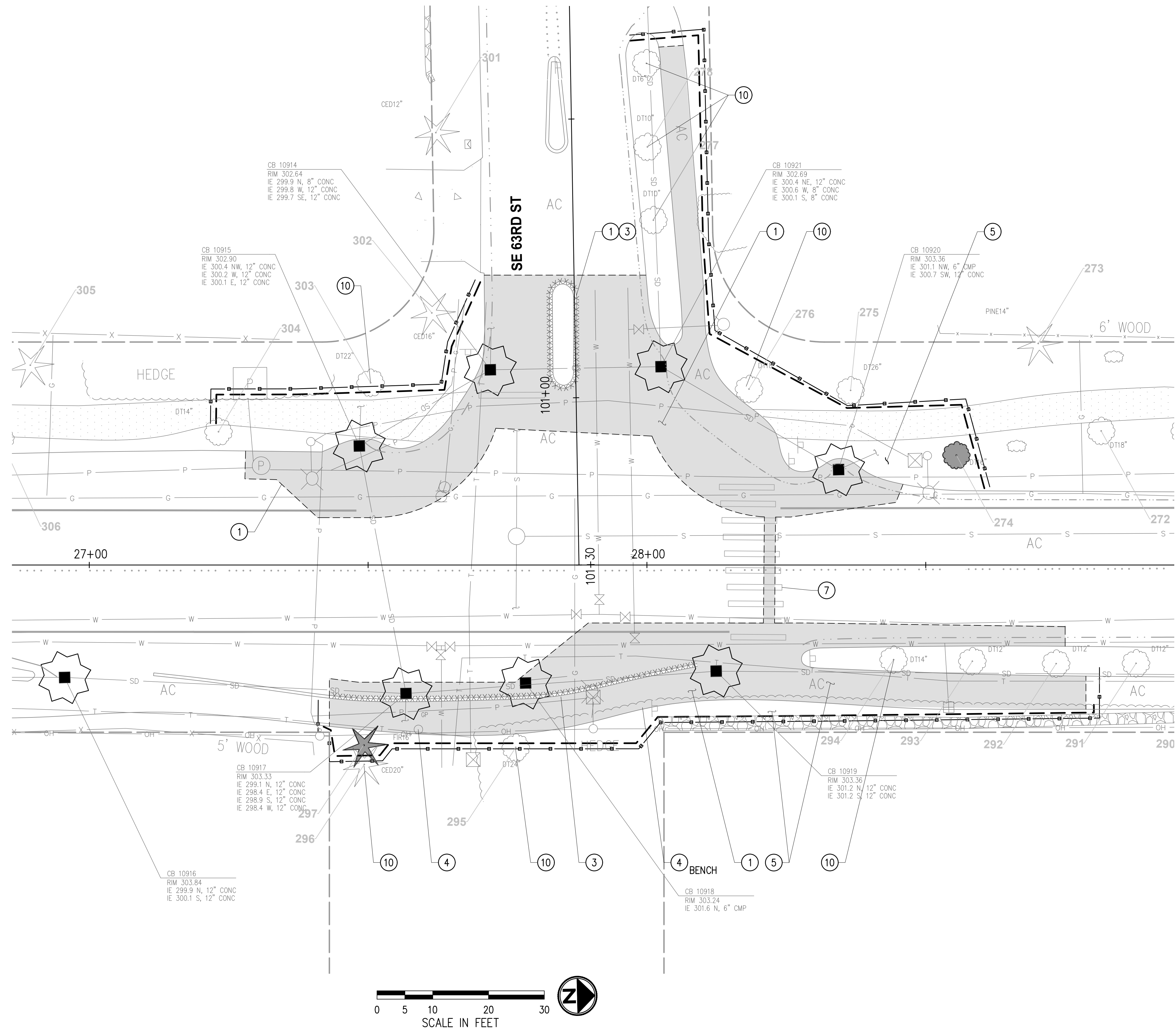
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

LEGEND & ABBREVIATIONS	
KPG PROJECT No. 9MER010600	SHT <u>4</u> OF <u>33</u>

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600SP01.dwg 3/20/2024 9:34 AM



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES, IRRIGATION, AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
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.
6. ALL CONFLICTING CHANNELIZATION SHALL BE REMOVED AND REPLACES WITH PROPOSED CHANNELIZATION. SEE SHEETS 13-10.
7. PRIOR TO START OF CONSTRUCTION ACTIVITIES, COORDINATE WITH MERCER ISLAND PARKS DEPARTMENT TO LOCATE IRRIGATION HEADS AND VALVES WITHIN WORK AREA.
8. PRUNE TREES AND SHRUBS WITHIN PROJECT VICINITY AS DIRECTED BY ENGINEER.

SITE PREPARATION NOTES

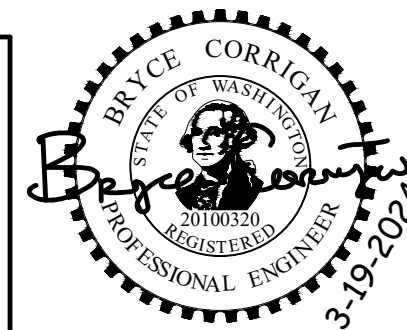
- 1 SAWCUT AND REMOVE ASPHALT PAVEMENT.
- 3 REMOVE CEMENT CONCRETE CURB AND GUTTER.
- 4 REMOVE
- 5 REMOVE GROUNDCOVER AND SHRUBS WITHIN CLEARING LIMITS AS DIRECTED BY ENGINEER TO INSTALL IMPROVEMENTS.
- 7 REMOVE EXISTING THERMOPLASTIC CHANNELIZATION.
- 10 PROTECT EXISTING TREE PER DETAIL, SHEET 9.

LEGEND

- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT
- CURB AND GUTTER REMOVAL
- INLET PROTECTION PER WSDOT STD PLAN I-40.20
- REMOVE DECIDUOUS TREE
- REMOVE CONIFEROUS TREE
- HIGH VISIBILITY ORANGE FENCE
- SAWCUT LINE
- CLEARING LIMITS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600SP01.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



KPG
PSOMAS

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

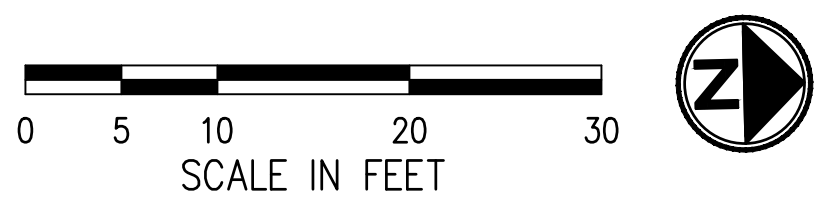
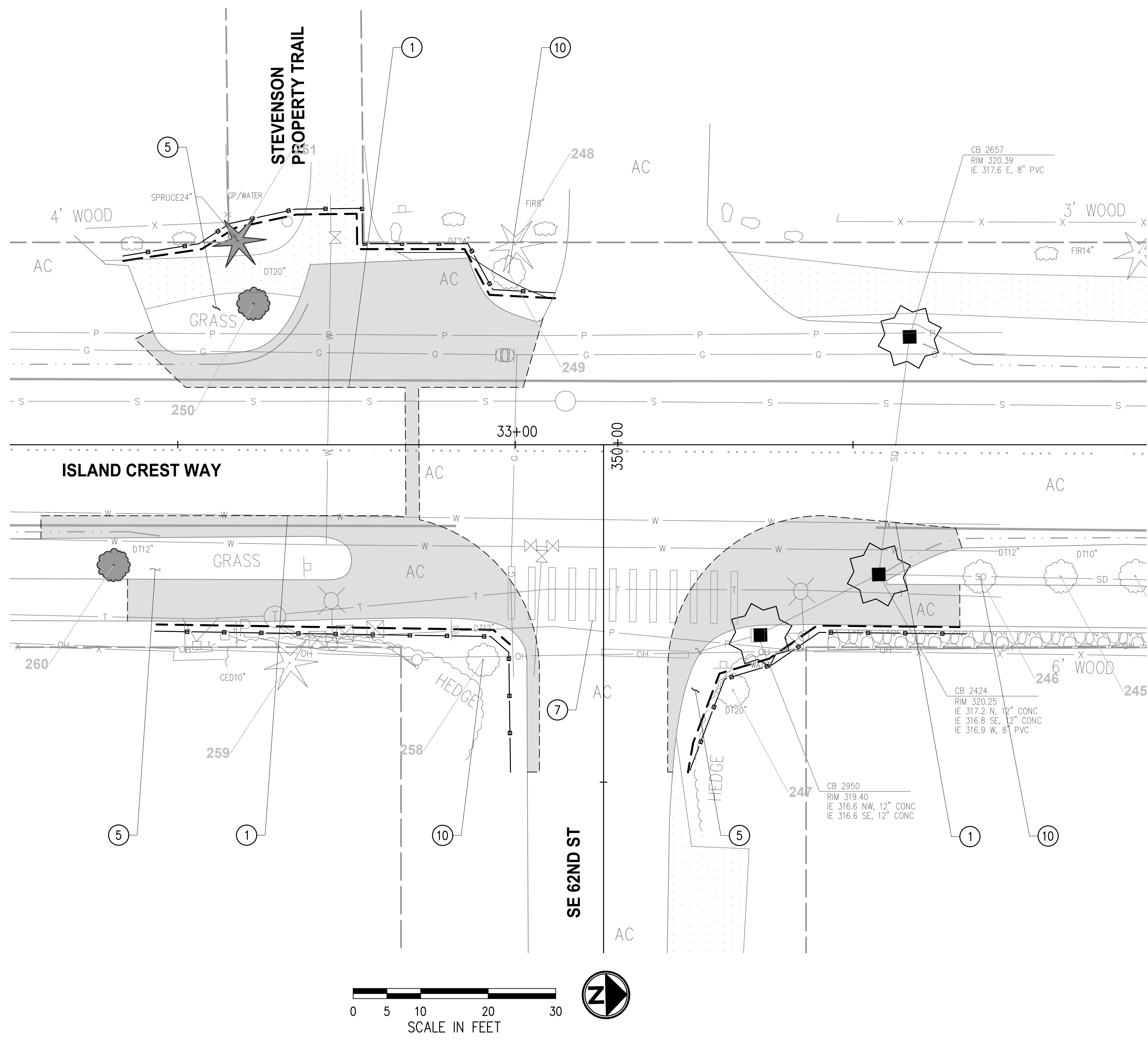
BID DOCUMENT



**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

SITE PREPARATION & TESC PLAN	
SE 63RD ST	
KPG PROJECT No. 9MER010600	SHT <u>5</u> OF <u>33</u>

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600SP01.dwg 3/20/2024 9:34 AM



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES, IRRIGATION, AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
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.
6. ALL CONFLICTING CHANNELIZATION SHALL BE REMOVED AND REPLACES WITH PROPOSED CHANNELIZATION. SEE SHEETS 13-10.
7. PRIOR TO START OF CONSTRUCTION ACTIVITIES, COORDINATE WITH MERCER ISLAND PARKS DEPARTMENT TO LOCATE IRRIGATION HEADS AND VALVES WITHIN WORK AREA.
8. PRUNE TREES AND SHRUBS WITHIN PROJECT VICINITY AS DIRECTED BY ENGINEER.

SITE PREPARATION NOTES

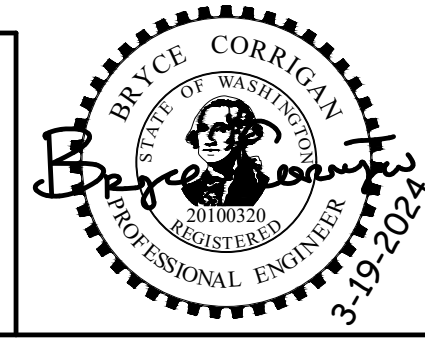
- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ⑤ REMOVE GROUNDCOVER AND SHRUBS WITHIN CLEARING LIMITS AS DIRECTED BY ENGINEER TO INSTALL IMPROVEMENTS.
- ⑦ REMOVE EXISTING THERMOPLASTIC CHANNELIZATION.
- ⑩ PROTECT EXISTING TREE PER DETAIL, SHEET 9.

LEGEND

- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT
- CURB AND GUTTER REMOVAL
- INLET PROTECTION PER WSDOT STD PLAN I-40.20
- REMOVE DECIDUOUS TREE
- REMOVE CONIFEROUS TREE
- HIGH VISIBILITY ORANGE FENCE
- SAWCUT LINE
- CLEARING LIMITS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600SP01.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

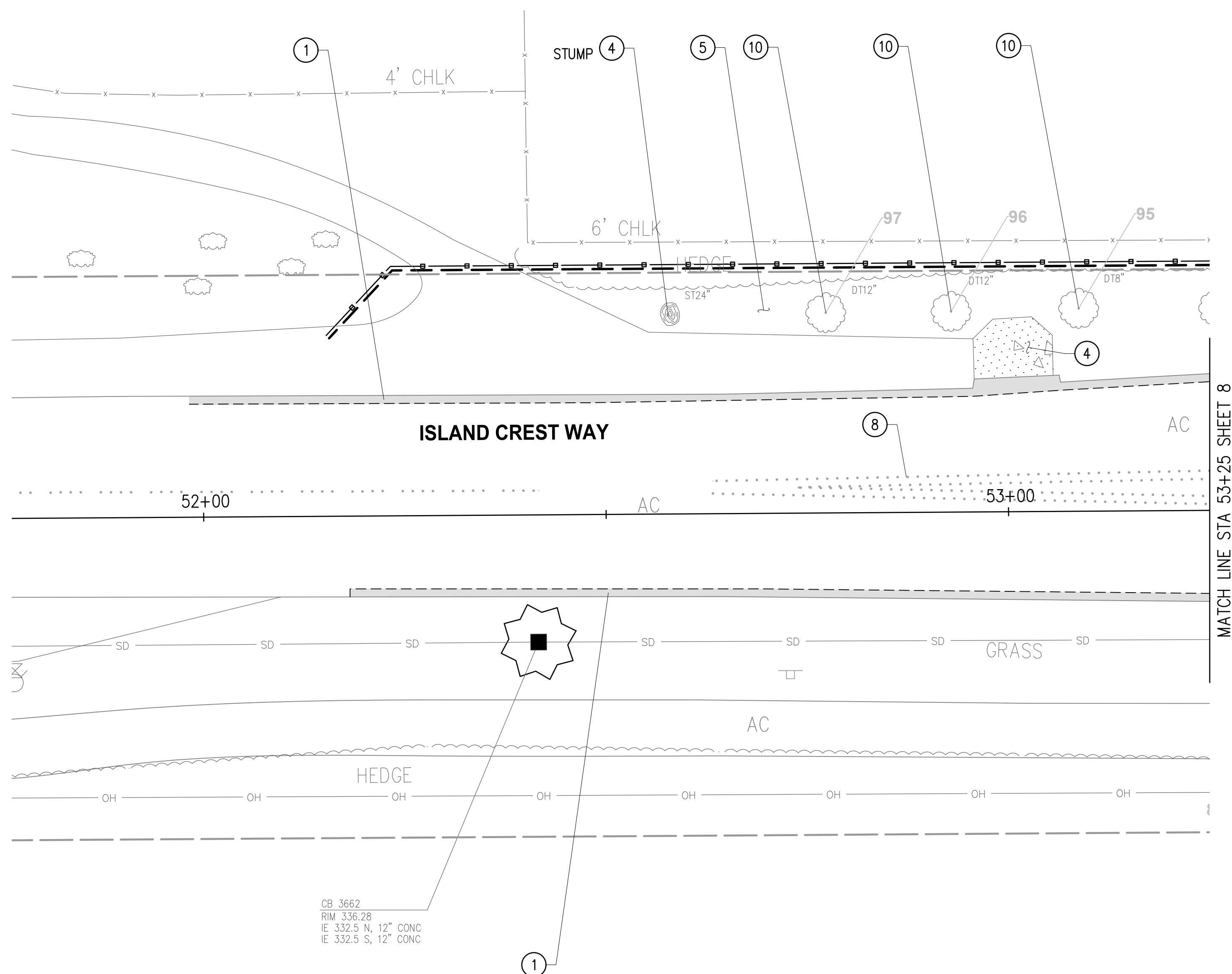
BID DOCUMENT



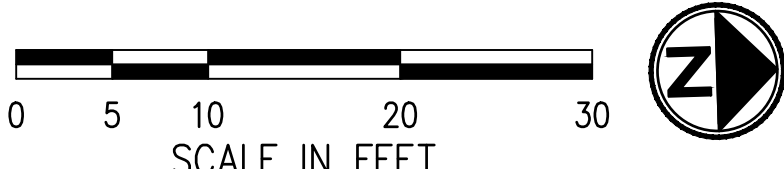
**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

SITE PREPARATION & TESC PLAN SE 62ND ST	
KPG PROJECT No. 9MER010600	SHT 6 OF 33

K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600SP01.dwg 3/20/2024 9:34 AM



CB 3662
 RIM 3.36.28
 IE 332.5 N, 12" CONC
 IE 332.5 S, 12" CONC



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES, IRRIGATION, AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
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.
6. ALL CONFLICTING CHANNELIZATION SHALL BE REMOVED AND REPLACES WITH PROPOSED CHANNELIZATION. SEE SHEETS 13-10.
7. PRIOR TO START OF CONSTRUCTION ACTIVITIES, COORDINATE WITH MERCER ISLAND PARKS DEPARTMENT TO LOCATE IRRIGATION HEADS AND VALVES WITHIN WORK AREA.
8. PRUNE TREES AND SHRUBS WITHIN PROJECT VICINITY AS DIRECTED BY ENGINEER.

SITE PREPARATION NOTES

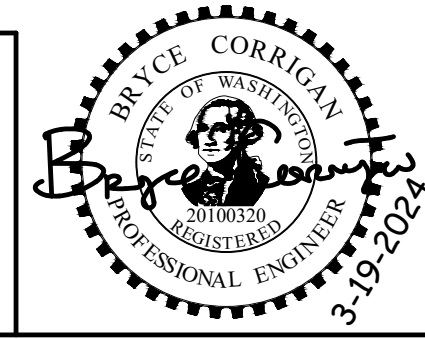
- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ④ REMOVE
- ⑤ REMOVE GROUNDCOVER AND SHRUBS WITHIN CLEARING LIMITS AS DIRECTED BY ENGINEER TO INSTALL IMPROVEMENTS.
- ⑧ REMOVE EXISTING CONFLICTING RPMS.
- ⑩ PROTECT EXISTING TREE PER DETAIL, SHEET 9.

LEGEND

- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT
- CURB AND GUTTER REMOVAL
- INLET PROTECTION PER WSDOT STD PLAN I-40.20
- REMOVE DECIDUOUS TREE
- REMOVE CONIFEROUS TREE
- HIGH VISIBILITY ORANGE FENCE
- SAWCUT LINE
- CLEARING LIMITS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600SP01.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
		CHECKED BY DATE



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

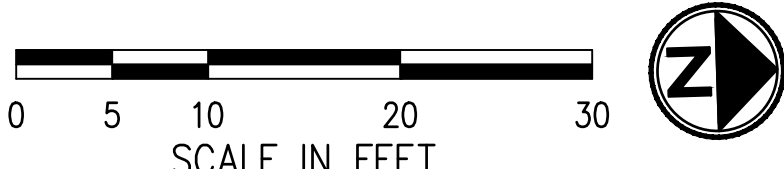
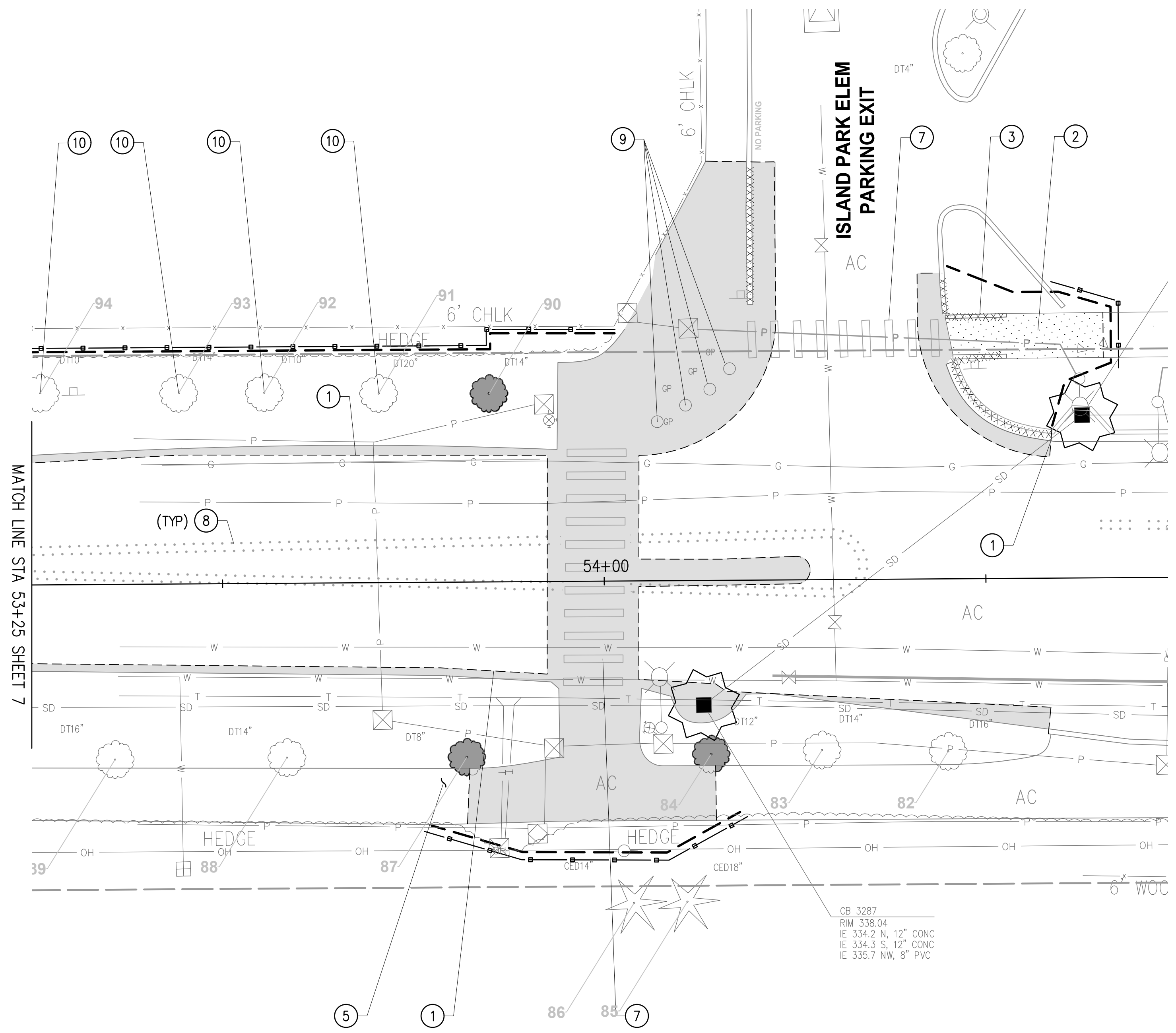
BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

SITE PREPARATION & TESC PLAN	
SCHOOL - PARKING EXIT (2)	
KPG PROJECT No. 9MER010600	SHT 7 OF 33

K:\MERCER IS\9MERO10600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MERO10600SP01.dwg 3/20/2024 9:34 AM



CB 3287
RIM 338.04
IE 334.2 N, 12" CONC
IE 334.3 S, 12" CONC
IE 335.7 NW, 8" PVC

GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GROUND UTILITIES, IRRIGATION, AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
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.
6. ALL CONFLICTING CHANNELIZATION SHALL BE REMOVED AND REPLACES WITH PROPOSED CHANNELIZATION. SEE SHEETS 13-10.
7. PRIOR TO START OF CONSTRUCTION ACTIVITIES, COORDINATE WITH MERCER ISLAND PARKS DEPARTMENT TO LOCATE IRRIGATION HEADS AND VALVES WITHIN WORK AREA.
8. PRUNE TREES AND SHRUBS WITHIN PROJECT VICINITY AS DIRECTED BY ENGINEER.

SITE PREPARATION NOTES

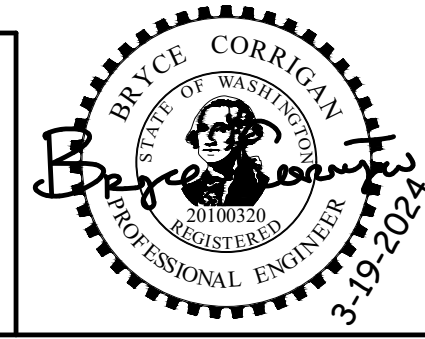
- ① SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ② SAWCUT AND REMOVE CONCRETE SIDEWALK TO NEAREST JOINT.
- ③ REMOVE CEMENT CONCRETE CURB AND GUTTER.
- ⑤ REMOVE GROUND COVER AND SHRUBS WITHIN CLEARING LIMITS AS DIRECTED BY ENGINEER TO INSTALL IMPROVEMENTS.
- ⑦ REMOVE EXISTING THERMOPLASTIC CHANNELIZATION.
- ⑧ REMOVE EXISTING CONFLICTING RPMS.
- ⑨ REMOVE EXISTING BOLLARDS. (4 EA)
- ⑩ PROTECT EXISTING TREE PER DETAIL, SHEET 9.

LEGEND

- REMOVE CONCRETE
- REMOVE ASPHALT PAVEMENT
- CURB AND GUTTER REMOVAL
- INLET PROTECTION PER WSDOT STD PLAN I-40.20
- REMOVE DECIDUOUS TREE
- REMOVE CONIFEROUS TREE
- HIGH VISIBILITY ORANGE FENCE
- SAWCUT LINE
- CLEARING LIMITS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MERO10600SP01.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

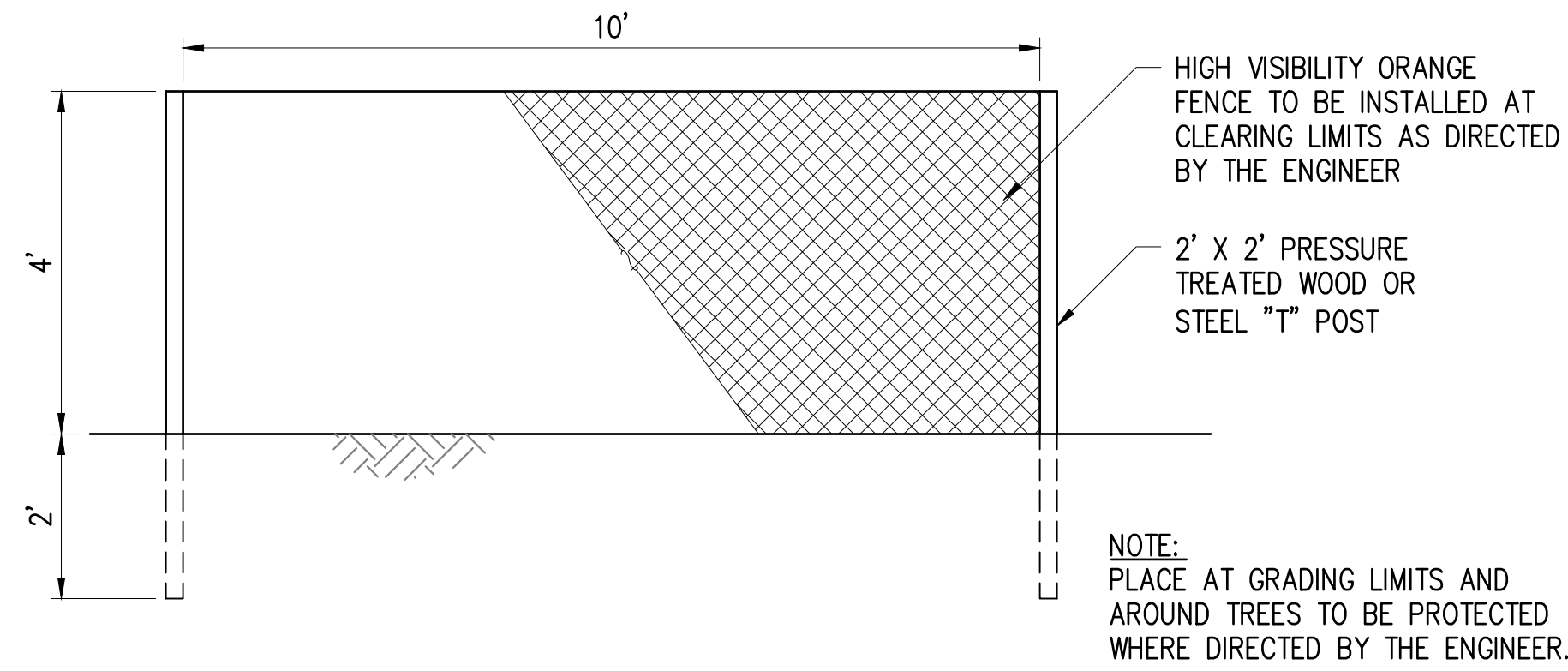
BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

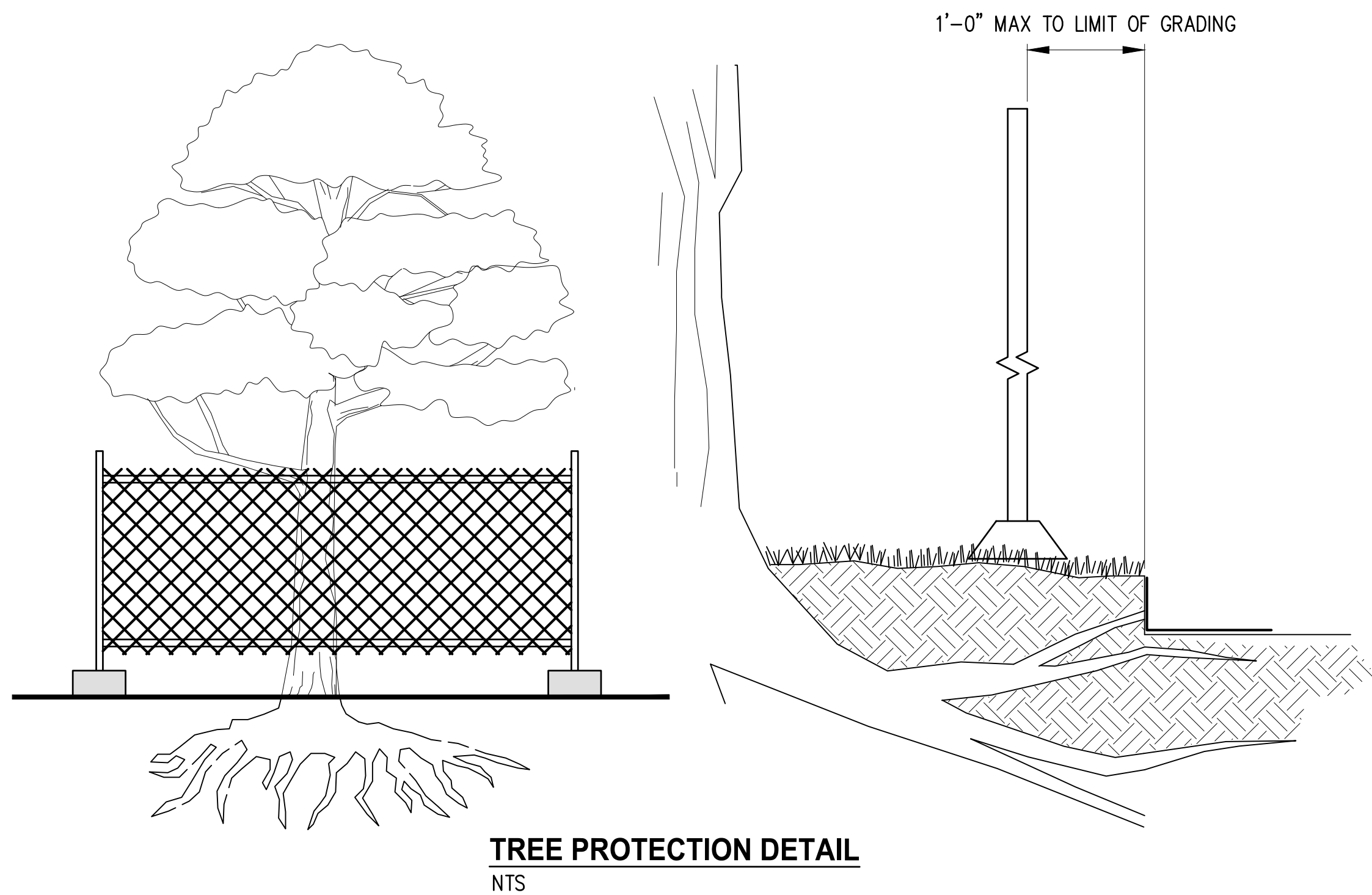
SITE PREPARATION & TESC PLAN SCHOOL - PARKING EXIT	
KPG PROJECT No. 9MERO10600	SHT <u>8</u> OF <u>33</u>

K:\MERCER\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600DET-SP.dwg 3/20/2024 9:34 AM



ELEVATION

HIGH VISIBILITY ORANGE FENCE
NTS

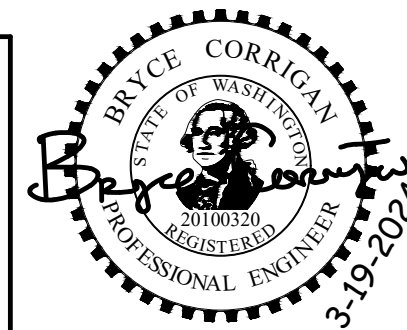


TREE PROTECTION NOTES

- SIX FOOT HIGH HIGH-VISIBILITY FENCE SHALL BE PLACED AROUND TREE TO BE SAVED AT RADIUS INDICATED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING PER BLOCKS ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
- FENCING MAY BE CONSOLIDATED AROUND GROUPS OF EXISTING TREES TO REMAIN. FENCING SHALL PROTECT ENTIRE REQUIRED AREA OF ALL TREES WITHIN GROUPING.
- PORTIONS OF THE PROTECTION FENCING MAY BE MOVED 1/3 INTO THE DRIP LINE IF UNABLE TO PROTECT ENTIRE DRIP LINE AREA. THIS IS ONLY PERMITTED FOR PORTIONS OF THE DRIP LINE AREA THAT ARE IN CONFLICT WITH CONSTRUCTION ACTIVITIES BASED UPON ENGINEER'S APPROVAL.
- 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.
- ALL TREES NOTED FOR REMOVAL SHALL BE APPROVED BY ENGINEER PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- ALL TREES TO REMAIN WITHIN THE CLEARING AND GRUBBING LIMITS SHALL BE TAGGED FOR APPROVAL BY ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- MAINTAIN FENCING IN PLACE UNTIL CITY AUTHORIZES REMOVAL OR FINAL APPROVAL IS ISSUED.
- SIGNS SHALL BE ATTACHED TO THE TREE PROTECTION FENCING STATING THAT THE TREE IS DESIGNATED FOR PROTECTION AND THE AREA INSIDE OF THE FENCE IS NOT TO BE DISTURBED UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9\MER010600DET-SP.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	DESIGNED BY
		MEF 03/24
		DRAWN BY
		BMC 03/24
		CHECKED BY



KPG
PSOMAS

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

BID DOCUMENT

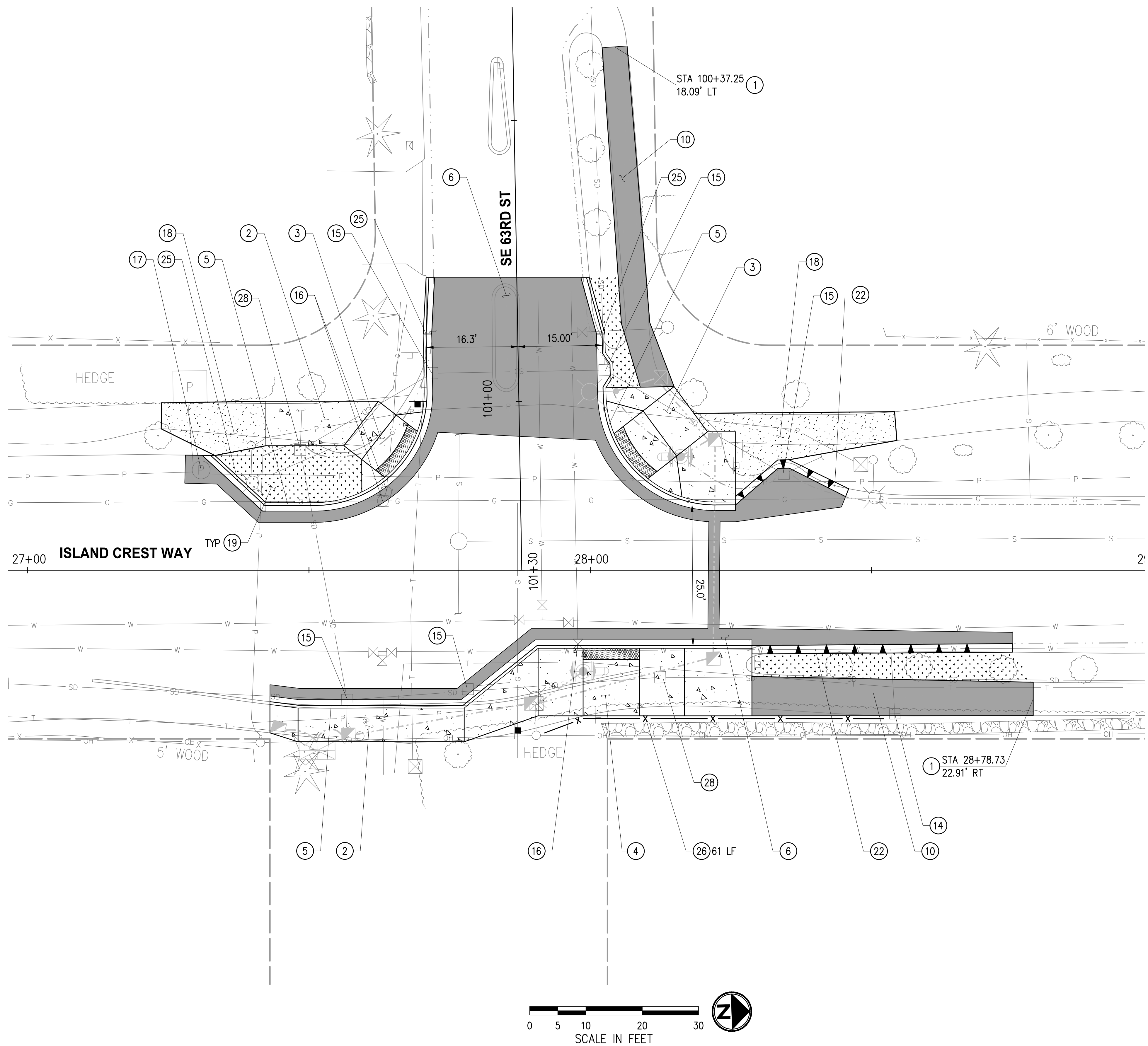


CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

SITE PREPARATION & TESC PLAN
DETAILS

KPG PROJECT No. 9\MER010600 SHT 9 OF 33

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600PLN01.dwg 3/20/2024 9:35 AM



GENERAL NOTES

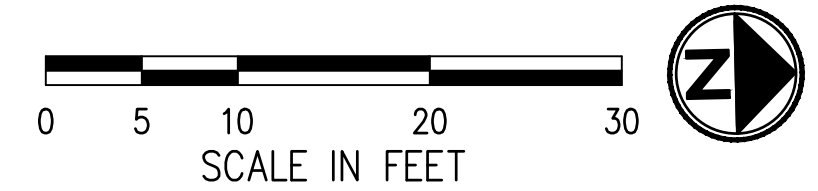
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
3. CONTRACTOR SHALL POTHOLE ALL POLE FOUNDATIONS ASSOCIATED WITH RRFB AND PEDESTRIAN SIGNAL.

CONSTRUCTION NOTES

- 1 MATCH EXISTING.
- 2 CONSTRUCT CEMENT CONC. SIDEWALK.
- 3 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR PER WSDOT STD PLAN F-40.15. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 4 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER TYPE A PER COMI STD DETAILS ST-14.
- 6 INSTALL HMA FULL DEPTH ROADWAY PAVEMENT. SEE TYPICAL SECTION DETAIL, SHEET 14.
- 10 INSTALL HMA WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- 14 ADJUST WATER METER.
- 15 ADJUST CATCH BASIN FRAME AND GRATE TO FIT NEW CURB LINE.
- 16 ADJUST UTILITY VALVE.
- 17 ADJUST UTILITY MANHOLE.
- 18 GRAVEL RESTORATION PER SECTION, SHEET 14.
- 19 LANDSCAPE RESTORATION PER SECTION, SHEET 14.
- 22 INSTALL HMA THICKENED EDGE PER DETAIL, SHEET 14.
- 25 INSTALL CURB TO HMA TRANSITION PER DETAIL, SHEET 14.
- 26 NEW 8' WOOD FENCE.
- 28 ADJUST TO GRADE AND INSTALL SOLID LID COVER.

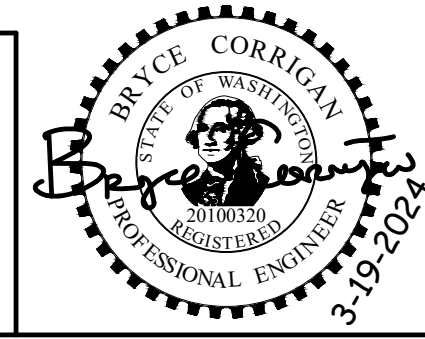
LEGEND

- CONCRETE PAVEMENT
- GRAVEL RESTORATION
- NEW HMA PAVEMENT
- DETECTABLE WARNING SURFACE
- LANDSCAPE RESTORATION
- HMA THICKENED EDGE



NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600PLN01.dwg
ENGINEERING MANAGER	DATE	DESIGNED BY 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	DRAWN BY 03/24
		BMC 03/24
		CHECKED BY 03/24



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

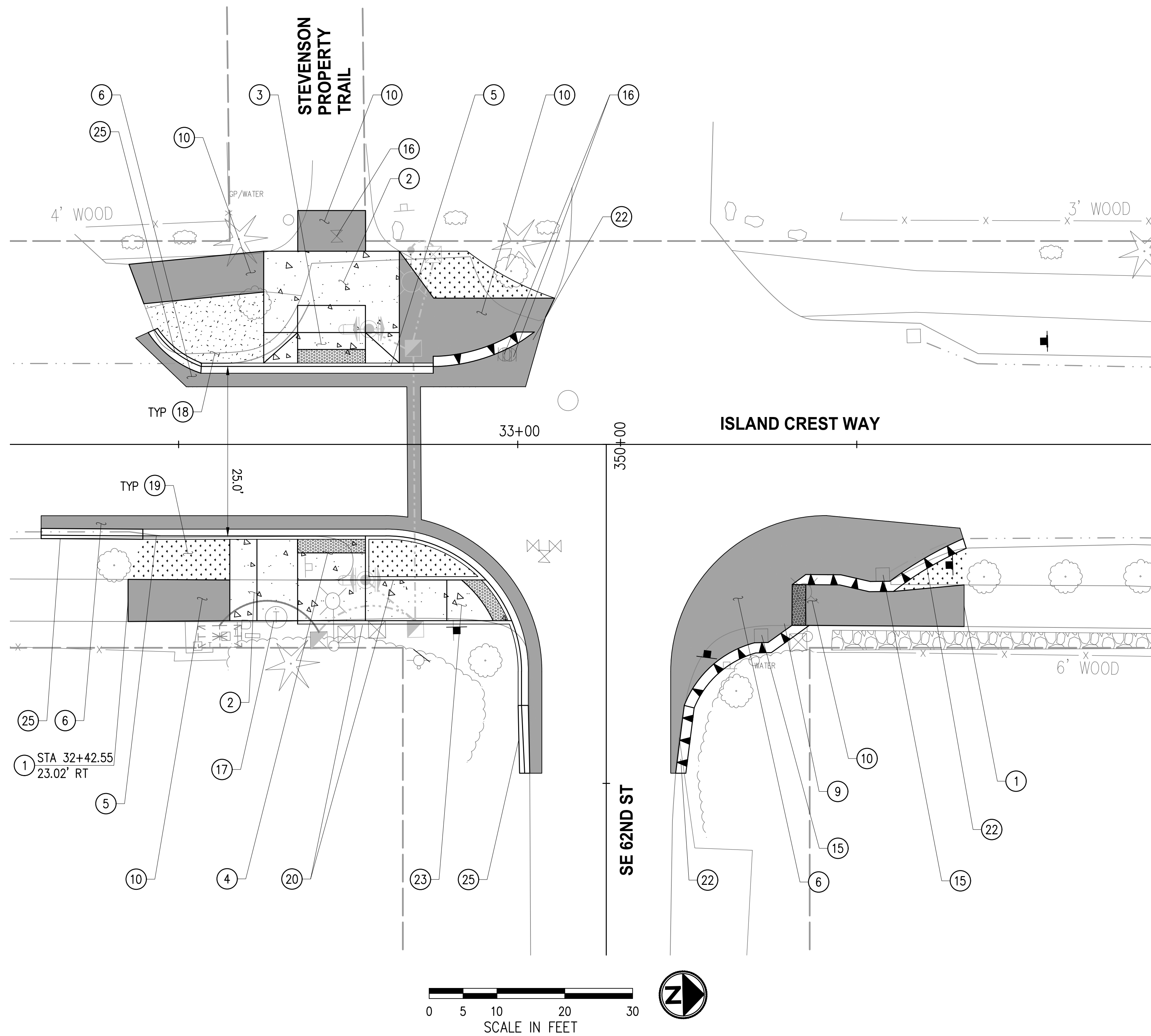
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

SIDEWALK PLANS & DETAILS SE 63RD ST	
KPG PROJECT No. 9MER010600	SHT <u>10</u> OF <u>33</u>

K:\MERCER\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600\PLN01.dwg 3/20/2024 9:35 AM



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
3. CONTRACTOR SHALL POTHOLE ALL POLE FOUNDATIONS ASSOCIATED WITH RRFB AND PEDESTRIAN SIGNAL.

CONSTRUCTION NOTES

- 1 MATCH EXISTING.
- 2 CONSTRUCT CEMENT CONC. SIDEWALK.
- 3 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR PER WSDOT STD PLAN F-40.15. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 4 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER TYPE A PER COMI STD DETAILS ST-14.
- 6 INSTALL HMA FULL DEPTH ROADWAY PAVEMENT. SEE TYPICAL SECTION DETAIL, SHEET 14.
- 9 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10.
- 10 INSTALL HMA WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- 15 ADJUST CATCH BASIN FRAME AND GRATE TO FIT NEW CURB LINE.
- 16 ADJUST UTILITY VALVE.
- 17 ADJUST UTILITY MANHOLE.
- 18 GRAVEL RESTORATION PER SECTION, SHEET 14.
- 19 LANDSCAPE RESTORATION PER SECTION, SHEET 14.
- 20 INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.
- 22 INSTALL HMA THICKENED EDGE PER DETAIL, SHEET 14.
- 23 CONSTRUCT CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD DETAIL F-40.16. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 25 INSTALL CURB TO HMA TRANSITION PER DETAIL, SHEET 14.

LEGEND

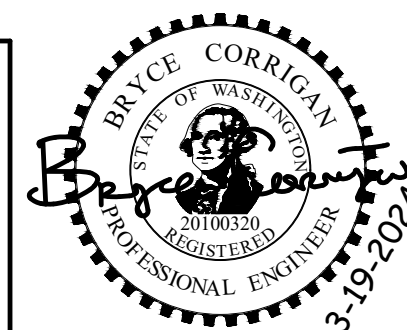
- CONCRETE PAVEMENT
- GRAVEL RESTORATION
- NEW HMA PAVEMENT
- DETECTABLE WARNING SURFACE
- LANDSCAPE RESTORATION
- HMA THICKENED EDGE

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

9MER010600\PLN01.dwg	
FILENAME	
MEF	03/24
DESIGNED BY	DATE
MEF	03/24
DRAWN BY	DATE
BMC	03/24
CHECKED BY	DATE



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

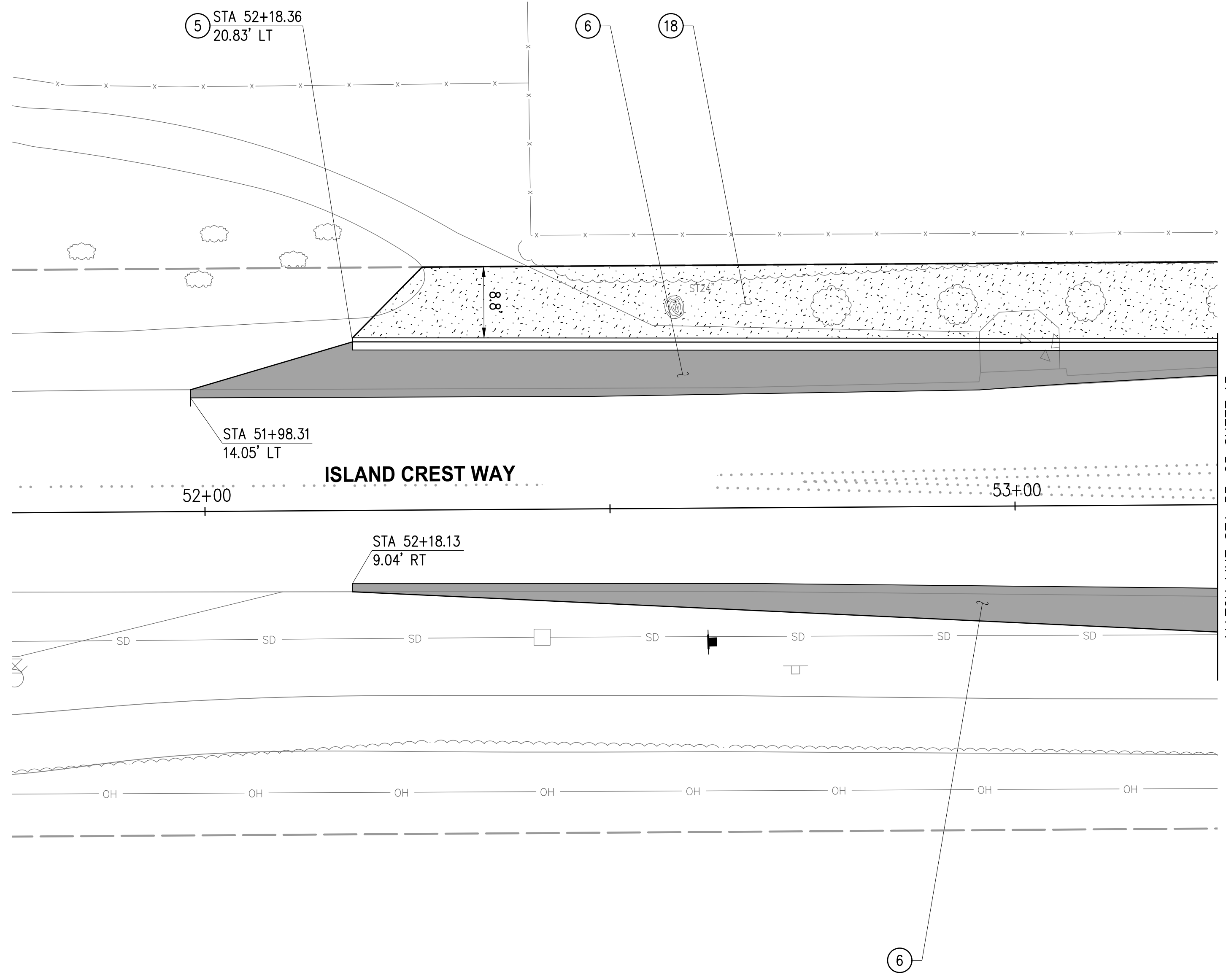
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

SIDEWALK PLANS & DETAILS SE 62ND ST	
KPG PROJECT No. 9MER010600	SHT 11 OF 33

K:\MERCER\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600\PLN01.dwg 3/20/2024 9:35 AM



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
3. CONTRACTOR SHALL POTHOLE ALL POLE FOUNDATIONS ASSOCIATED WITH RRFB AND PEDESTRIAN SIGNAL.

CONSTRUCTION NOTES

- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER TYPE A PER COMI STD DETAILS ST-14.
- 6 INSTALL HMA FULL DEPTH ROADWAY PAVEMENT. SEE TYPICAL SECTION DETAIL, SHEET 14.
- 18 GRAVEL RESTORATION PER SECTION, SHEET 14.

LEGEND

- CONCRETE PAVEMENT
- GRAVEL RESTORATION
- NEW HMA PAVEMENT
- DETECTABLE WARNING SURFACE
- LANDSCAPE RESTORATION
- HMA THICKENED EDGE

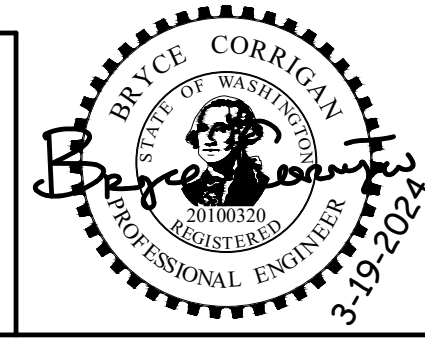


NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

9\MER010600\PLN01.dwg
 FILENAME
 MEF 03/24
 DESIGNED BY DATE
 MEF 03/24
 DRAWN BY DATE
 BMC 03/24
 CHECKED BY DATE



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

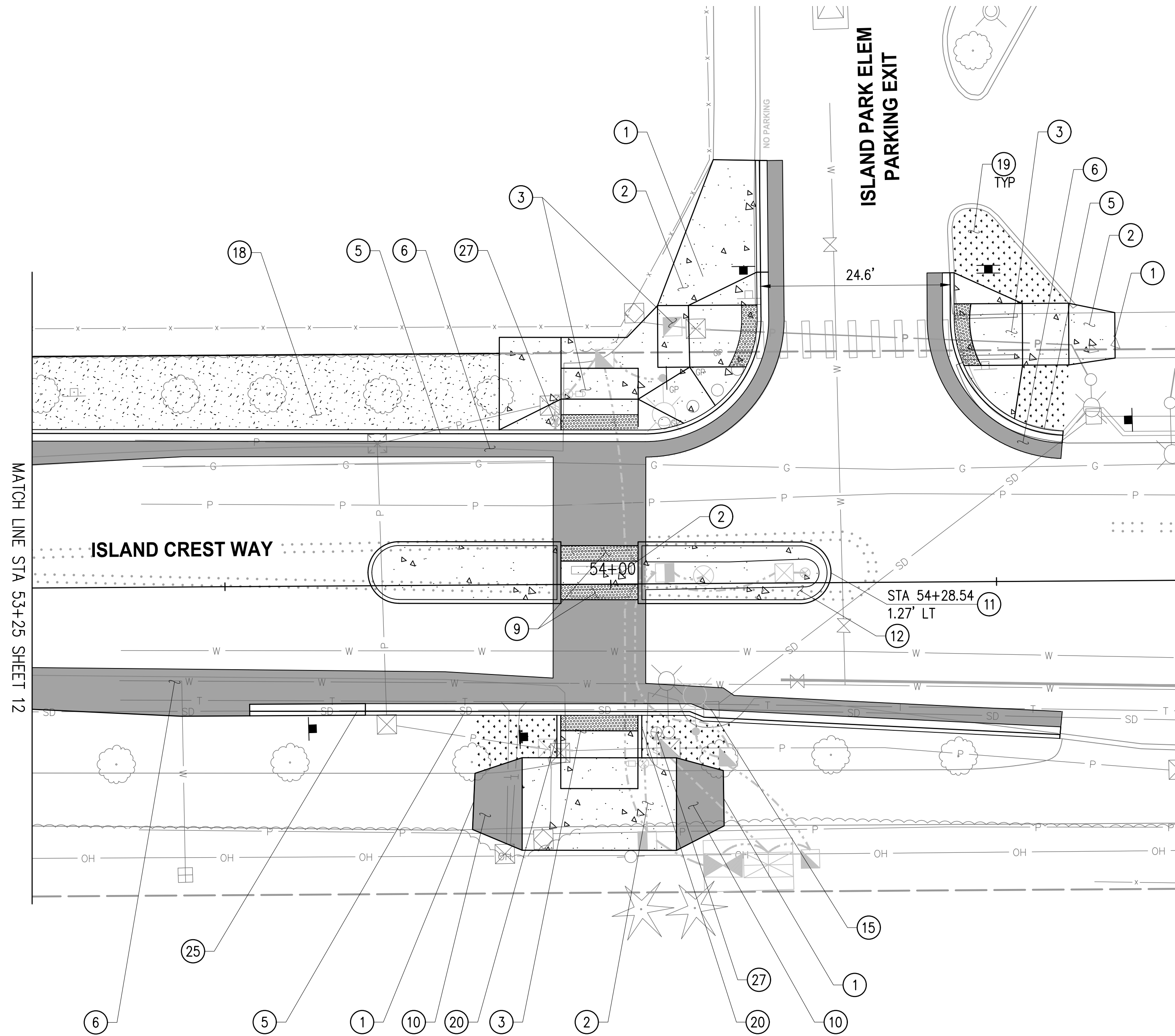
BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

SIDEWALK PLANS & DETAILS
SCHOOL - PARKING EXIT (2)
 KPG PROJECT No. 9\MER010600 SHT 12 OF 33

K:\MERCER\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600\PLN01.dwg 3/20/2024 9:35 AM



MATCH LINE STA 53+25 SHEET 12



GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, PEDESTRIANS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PEDESTRIAN ROUTE AROUND CONSTRUCTION ACTIVITY FOR THE DURATION OF CONSTRUCTION.
3. CONTRACTOR SHALL POTHOLE ALL POLE FOUNDATIONS ASSOCIATED WITH RRFB AND PEDESTRIAN SIGNAL.

CONSTRUCTION NOTES

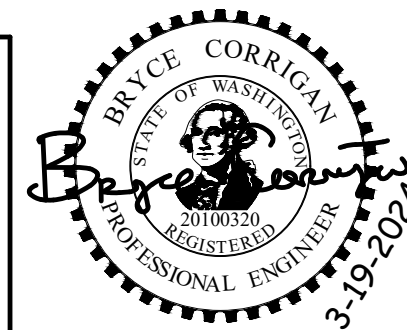
- 1 MATCH EXISTING.
- 2 CONSTRUCT CEMENT CONC. SIDEWALK.
- 3 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR PER WSDOT STD PLAN F-40.15. FOR PROPOSED SLOPES AND DIMENSIONS, SEE SHEETS 15-18.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER TYPE A PER COMI STD DETAILS ST-14.
- 6 INSTALL HMA FULL DEPTH ROADWAY PAVEMENT. SEE TYPICAL SECTION DETAIL, SHEET 14.
- 9 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10.
- 10 INSTALL HMA WALKWAY. SEE TYPICAL SECTIONS, SHEET 14.
- 11 INSTALL TYPE 6 EXTRUDED CURB PER WSDOT STD PLAN F-10.42 AND MEDIAN DETAIL, SHEET 14. PAINT CURB YELLOW WITH REFLECTIVE GLASS BEADS.
- 12 INSTALL STAMPED AND COLORED CEMENT CONCRETE FOR CENTER MEDIAN PER DETAIL, SHEET 14.
- 15 ADJUST CATCH BASIN FRAME AND GRATE TO FIT NEW CURB LINE.
- 18 GRAVEL RESTORATION PER SECTION, SHEET 14.
- 19 LANDSCAPE RESTORATION PER SECTION, SHEET 14.
- 20 INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.
- 25 INSTALL CURB TO HMA TRANSITION PER DETAIL, SHEET 14.
- 27 CONTRACTOR SHALL SEQUENCE WORK TO MAINTAIN OPERATION OF EXISTING RRFB.

LEGEND

- CONCRETE PAVEMENT
- GRAVEL RESTORATION
- NEW HMA PAVEMENT
- DETECTABLE WARNING SURFACE
- LANDSCAPE RESTORATION
- HMA THICKENED EDGE

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9\MER010600\PLN01.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

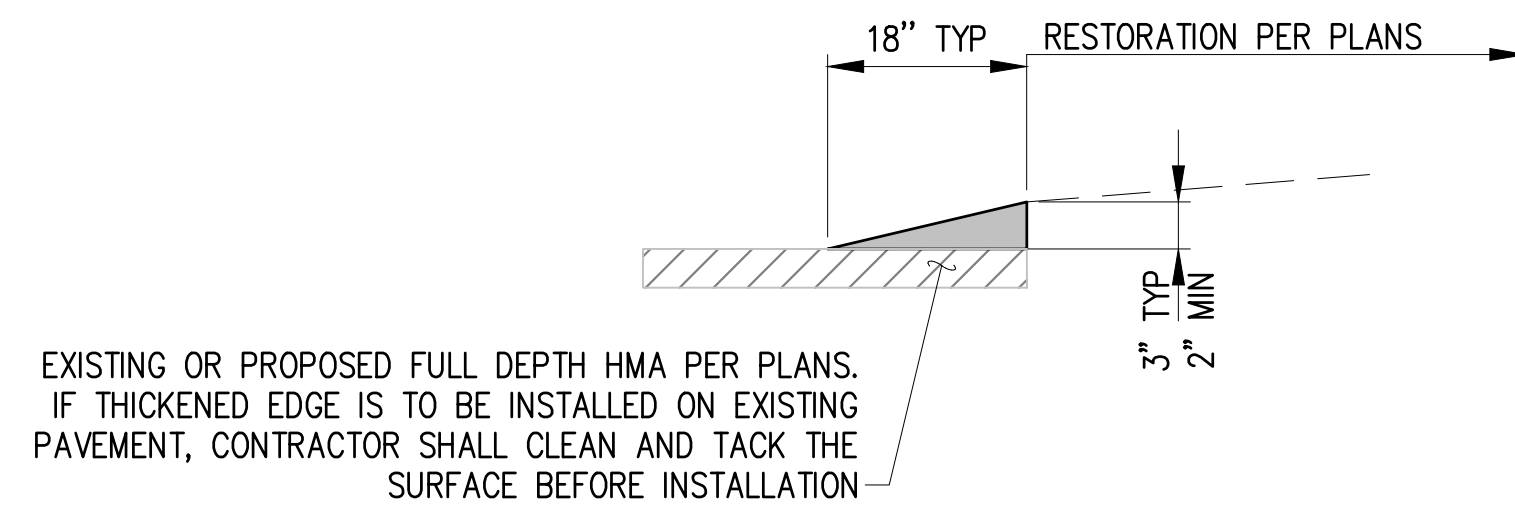
BID DOCUMENT



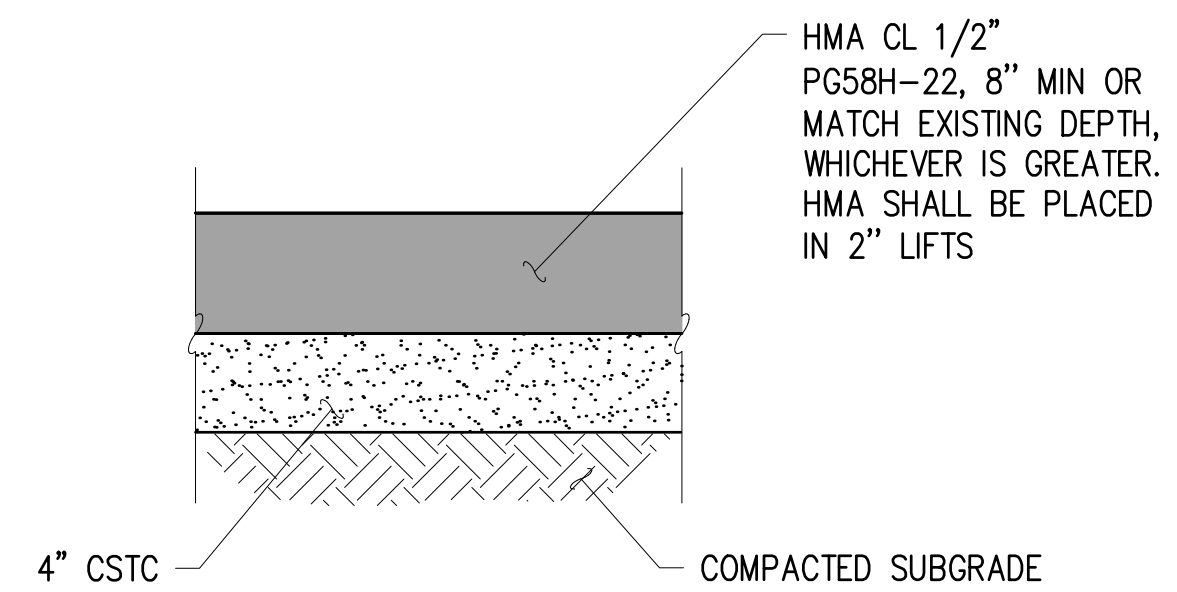
CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

SIDEWALK PLANS & DETAILS	
SCHOOL - PARKING EXIT	
KPG PROJECT No. 9\MER010600	SHT <u>13</u> OF <u>33</u>

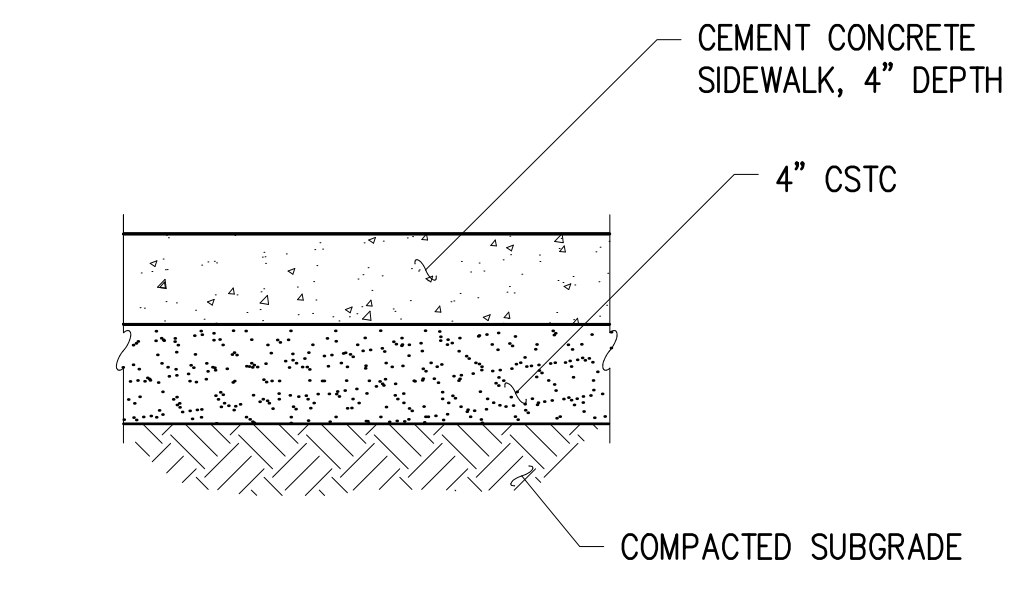
K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600DET-WALK.dwg 3/20/2024 9:35 AM



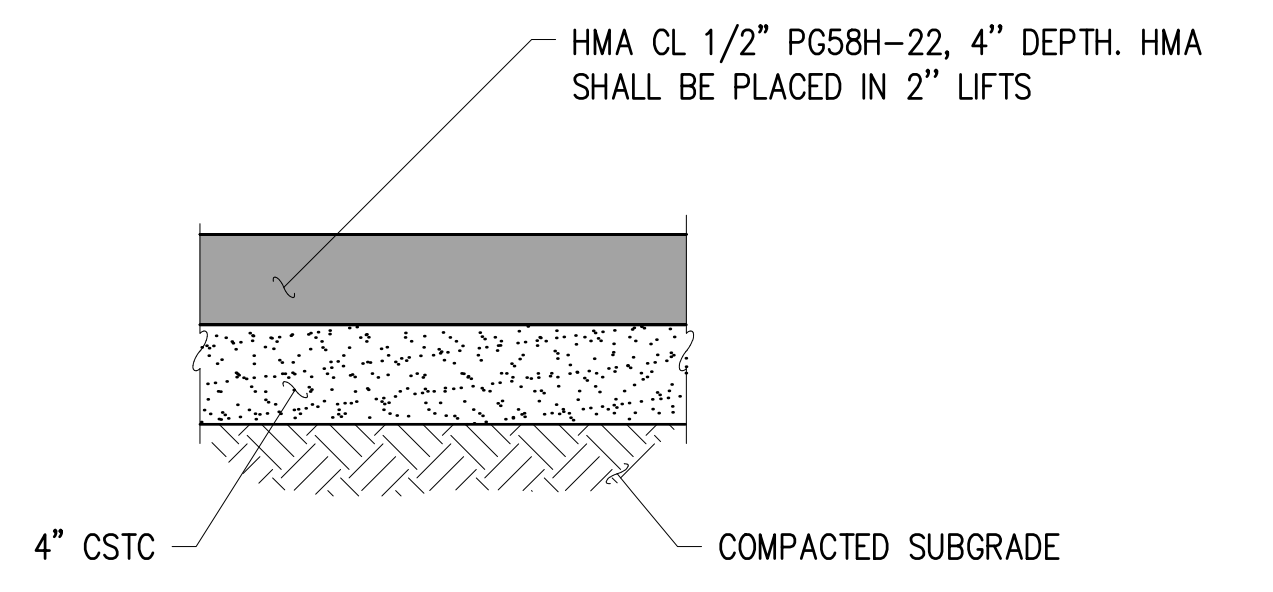
HMA THICKENED EDGE DETAIL
NTS



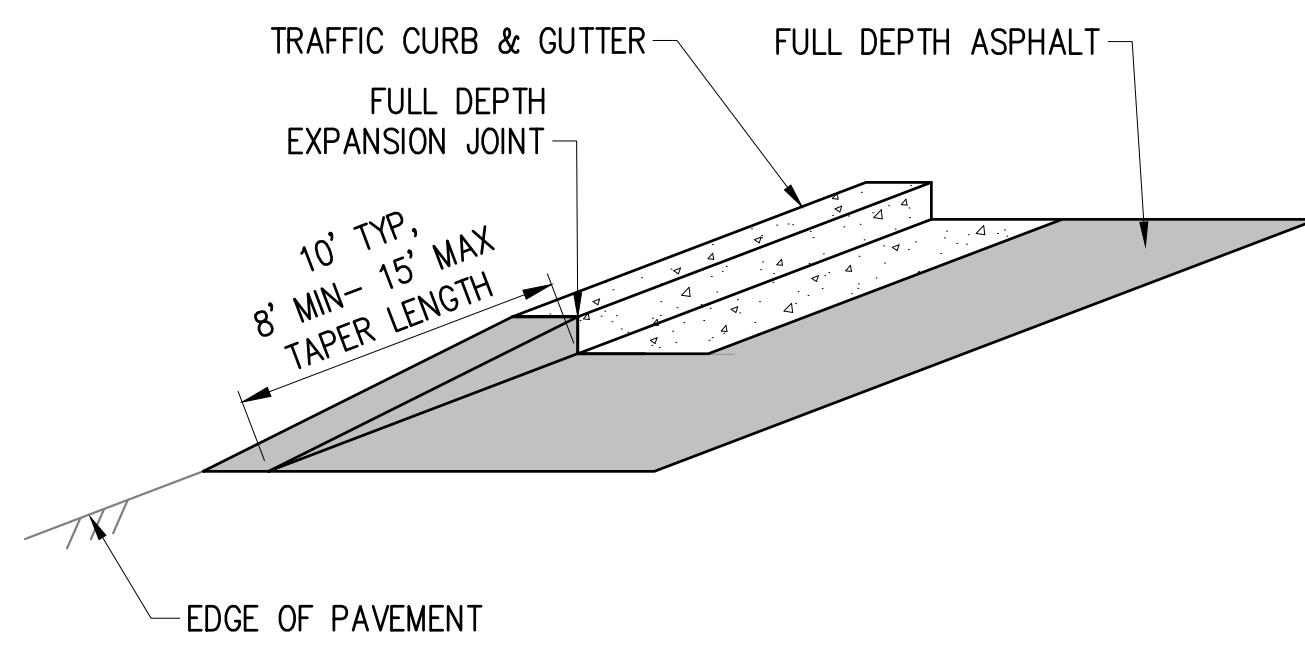
HMA FULL DEPTH ROADWAY PAVEMENT SECTION
NTS



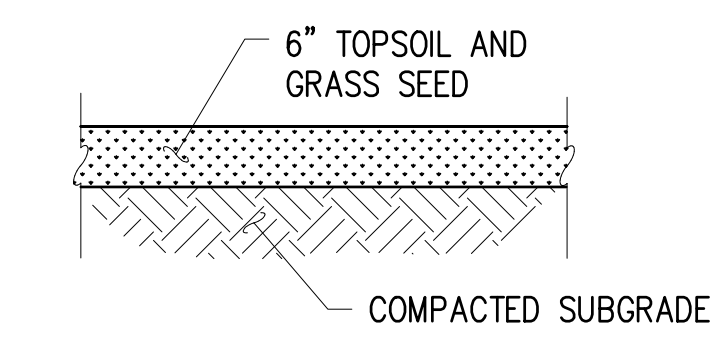
CEMENT CONCRETE SIDEWALK SECTION
NTS



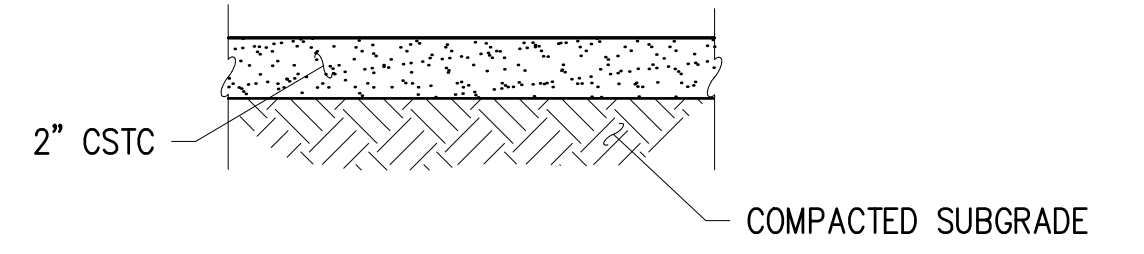
HMA WALKWAY SECTION
NTS



CURB TO HMA TRANSITION DETAIL
NTS



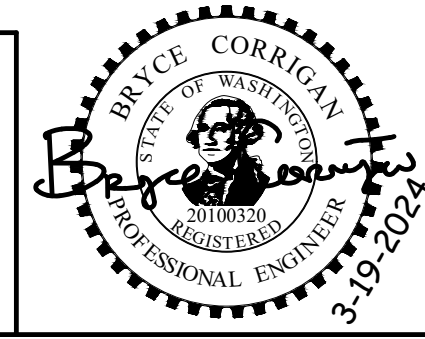
LANDSCAPE RESTORATION SECTION
NTS



GRAVEL RESTORATION SECTION
NTS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9\MER010600DET-WALK.dwg
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

BID DOCUMENT



**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

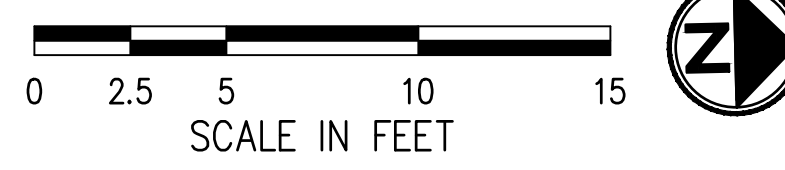
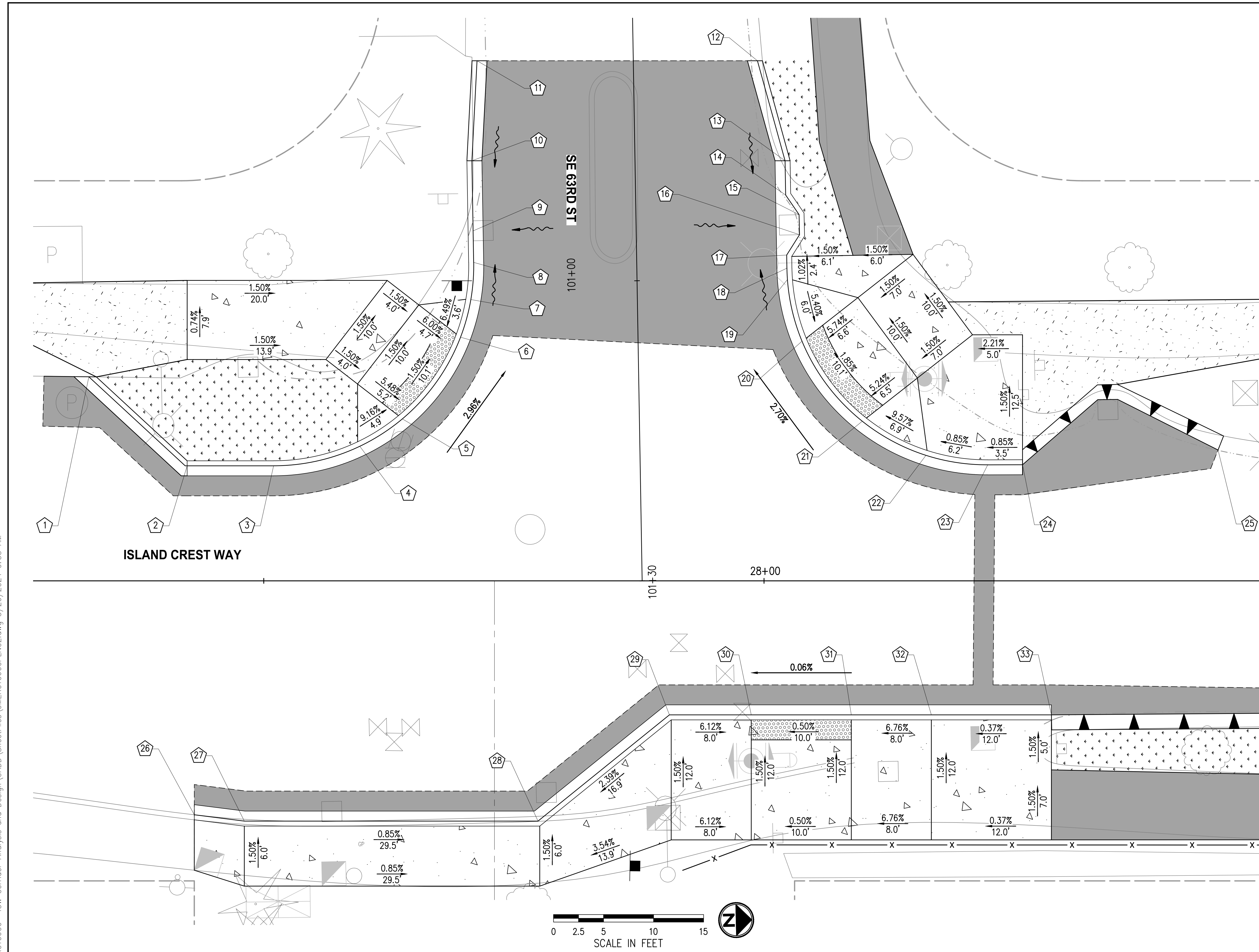
SIDEWALK DETAILS	
KPG PROJECT No. 9\MER010600	SHT 14 OF 33

GENERAL NOTES

- CURB RAMPS SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
- CURB RAMPS AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
- USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DWS SHALL BE INSTALLED PER WSDOT STD PLAN F-45.10.
- CEMENT CONC. LANDINGS SHALL BE BRUSH FINISHED.

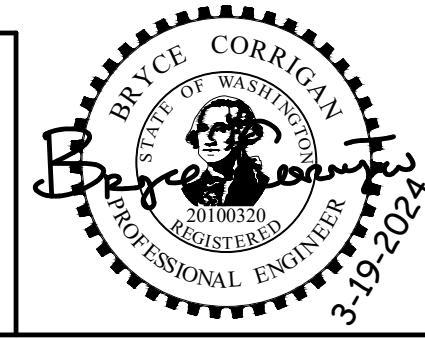
CURB LAYOUT POINTS

#	STATION	OFFSET	FL ELEV	DESCRIPTION
1	27+32.5	20.4' LT	303.61	MATCH EXISTING, START HMA TRANSITION
2	27+42.3	11.5' LT	303.83	AP, START CURB AND GUTTER
3	27+51.0	11.5' LT	303.74	PC, R=20'
4	27+59.6	13.5' LT	303.58	WING, 3" CURB
5	27+63.9	16.2' LT	303.42	RAMP
6	27+69.7	24.4' LT	303.27	RAMP
7	27+70.7	28.1' LT	303.00	WING, PT
8	100+97.9	16.3' RT	302.89	START HMA CATCH BASIN APRON
9	100+94.7	16.3' RT	302.80	INLET
10	100+87.7	16.3' RT	302.85	AP, START HMA TRANSITION
11	100+77.7	15.6' RT	302.93	MATCH EXISTING
12	100+78.2	12.4' LT	303.10	MATCH EXISTING, START HMA TRANSITION
13	100+88.3	15.0' LT	303.01	AP, START CURB AND GUTTER
14	100+91.7	15.0' LT	302.98	AP
15	100+93.7	16.3' LT	302.96	AP
16	100+95.7	16.3' LT	302.97	AP
17	100+97.7	15.0' LT	303.01	AP
18	100+99.0	15.0' LT	303.04	PC, R=20'
19	28+02.3	30.1' LT	303.06	WING
20	28+03.8	24.0' LT	303.23	RAMP
21	28+09.8	16.0' LT	303.42	RAMP
22	28+16.2	12.5' LT	303.58	WING
23	28+22.4	11.6' LT	303.63	PT
24	28+25.8	11.6' LT	303.66	AP, START HMA THICKENED EDGE
25	28+45.4	13.1' LT	303.73	MATCH EXISTING
26	27+43.1	23.4' RT	303.64	MATCH EXISTING
27	27+48.1	24.0' RT	303.47	AP
28	27+77.4	24.0' RT	303.19	AP
29	27+90.5	13.4' RT	303.59	AP, WING
30	27+98.7	13.4' RT	303.63	LANDING
31	28+08.7	13.4' RT	303.68	LANDING
32	28+16.7	13.4' RT	303.72	WING
33	28+28.7	13.4' RT	303.77	START HMA THICKENED EDGE
34	28+75.0	13.1' RT	304.57	MATCH EXISTING



NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600PLN02.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	MEF
		DRAWN BY
		BMC
		CHECKED BY
		DATE



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

BID DOCUMENT



**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

**CURB RAMP DETAILS
SE 63RD ST**

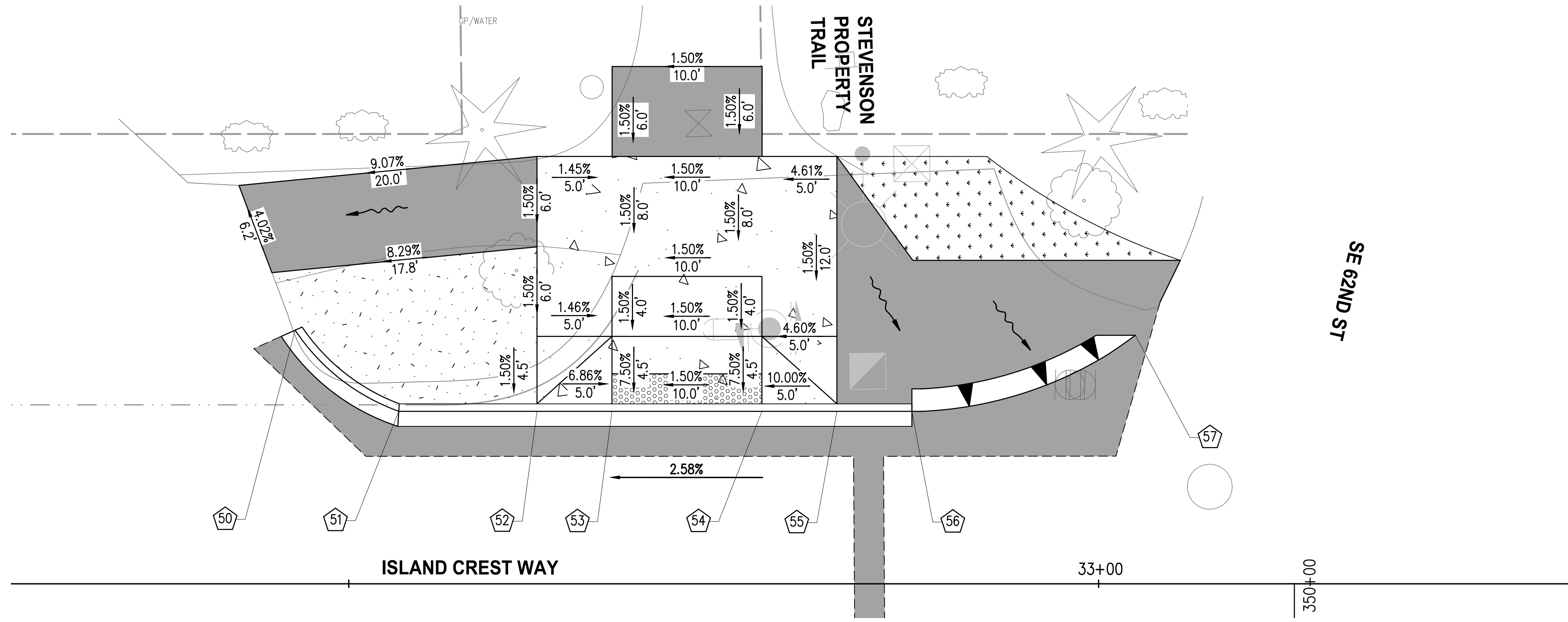
KPG PROJECT No. 9MER010600 SHT 15 OF 33

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600PLN02.dwg 3/20/2024 9:35 AM

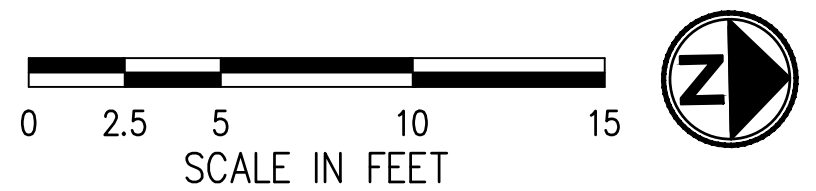
K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600\PLN02.dwg 3/20/2024 9:35 AM

GENERAL NOTES

1. CURB RAMPS SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
2. CURB RAMPS AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
3. USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DWS SHALL BE INSTALLED PER WSDOT STD PLAN F-45.10.
4. CEMENT CONC. LANDINGS SHALL BE BRUSH FINISHED.

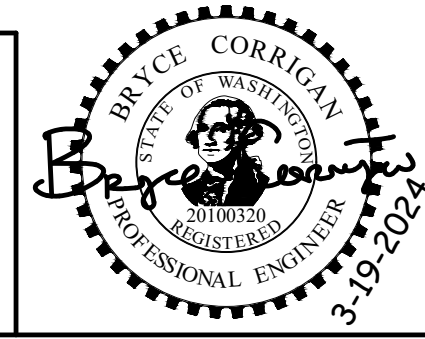


CURB LAYOUT POINTS				
#	STATION	OFFSET	FL ELEV	DESCRIPTION
50	32+46.4	16.9' LT	318.30	MATCH EXISTING, START HMA TRANSITION
51	32+53.3	11.5' LT	318.61	AP, START CURB AND GUTTER
52	32+62.5	11.5' LT	318.87	WNG
53	32+67.5	11.5' LT	319.01	RAMP
54	32+77.5	11.5' LT	319.16	RAMP
55	32+82.5	11.5' LT	319.30	WNG
56	32+87.5	11.5' LT	319.44	START THICKENED EDGE
57	33+02.5	16.6' LT	319.79	END THICKENED EDGE



NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600\PLN02.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

BID DOCUMENT

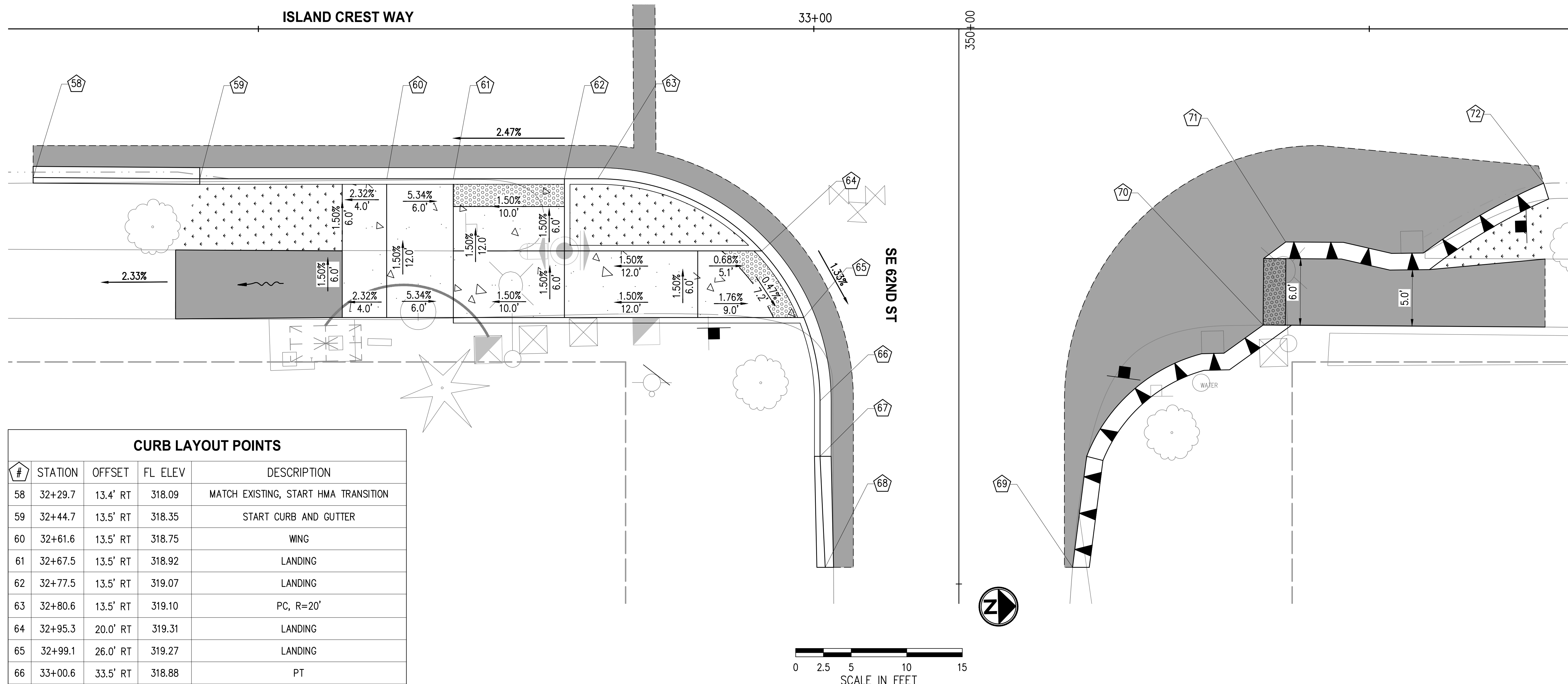


**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

CURB RAMP DETAILS SE 62ND ST	
KPG PROJECT No. 9MER010600	SHT 16 OF 33

GENERAL NOTES

1. CURB RAMPS SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
2. CURB RAMPS AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
3. USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DWS SHALL BE INSTALLED PER WSDOT STD PLAN F-45.10.
4. CEMENT CONC. LANDINGS SHALL BE BRUSH FINISHED.



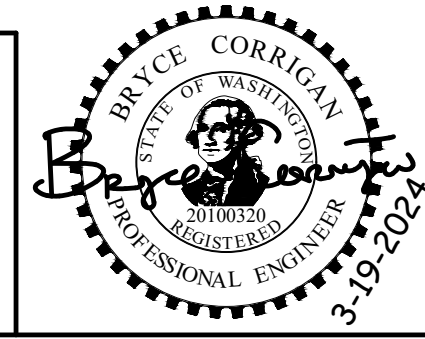
CURB LAYOUT POINTS

#	STATION	OFFSET	FL ELEV	DESCRIPTION
58	32+29.7	13.4' RT	318.09	MATCH EXISTING, START HMA TRANSITION
59	32+44.7	13.5' RT	318.35	START CURB AND GUTTER
60	32+61.6	13.5' RT	318.75	WING
61	32+67.5	13.5' RT	318.92	LANDING
62	32+77.5	13.5' RT	319.07	LANDING
63	32+80.6	13.5' RT	319.10	PC, R=20'
64	32+95.3	20.0' RT	319.31	LANDING
65	32+99.1	26.0' RT	319.27	LANDING
66	33+00.6	33.5' RT	318.88	PT
67	33+00.6	38.5' RT	318.74	START HMA TRANSITION
68	33+01.0	48.5' RT	318.48	MATCH EXISTING
69	33+23.3	48.5' RT	318.65	MATCH EXISTING, START HMA THICKENED EDGE
70	33+40.4	26.7' RT	319.81	END HMA THICKENED EDGE
71	33+42.5	19.2' RT	320.14	START HMA THICKENED EDGE
72	33+65.7	13.9' RT	320.98	MATCH EXISTING

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600PLN02.dwg 3/20/2024 9:35 AM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600PLN02.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

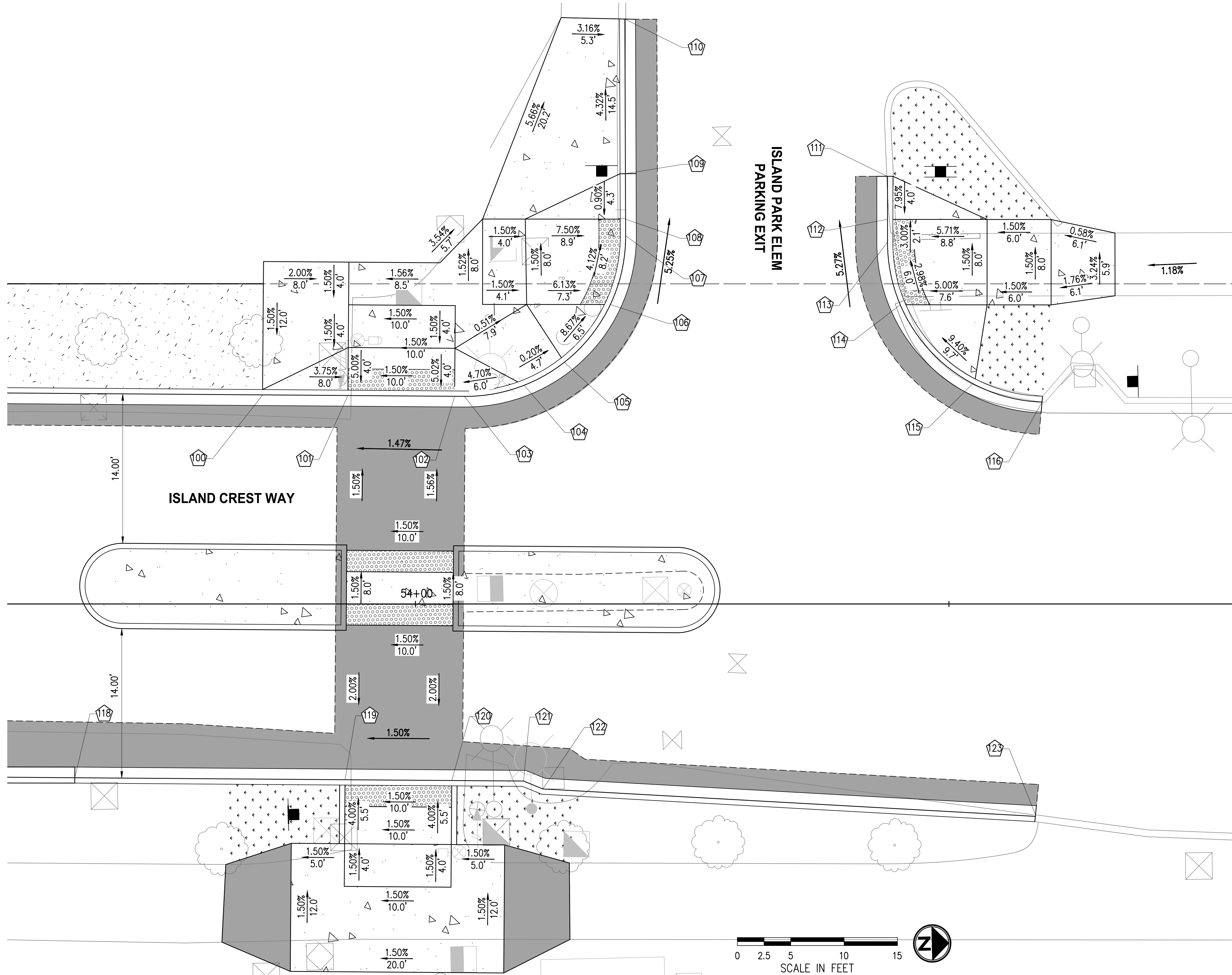
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

CURB RAMP DETAILS SE 62ND ST (2)	
KPG PROJECT No. 9MER010600	SHT <u>17</u> OF <u>33</u>

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600\PLN02.dwg 3/20/2024 9:35 AM



GENERAL NOTES

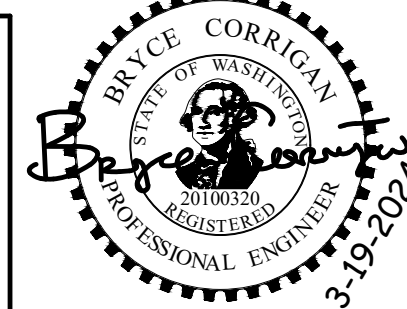
1. CURB RAMPS SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
2. CURB RAMPS AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
3. USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DWS SHALL BE INSTALLED PER WSDOT STD PLAN F-45.10.
4. CEMENT CONC. LANDINGS SHALL BE BRUSH FINISHED.

CURB LAYOUT POINTS

#	STATION	OFFSET	FL ELEV	DESCRIPTION
100	53+85.7	19.6' LT	338.09	WING
101	53+93.7	19.5' LT	338.29	RAMP
102	54+03.7	19.5' LT	338.44	RAMP
103	54+04.6	19.4' LT	338.43	PC, R=15'
104	54+10.2	20.5' LT	338.37	WING, 4" CURB
105	54+14.0	22.6' LT	338.38	WING, 4" CURB
106	54+18.3	28.1' LT	338.15	RAMP
107	54+19.7	34.5' LT	337.89	PT
108	54+19.7	36.1' LT	337.81	RAMP
109	54+19.7	40.3' LT	337.60	WING
110	54+19.6	54.8' LT	337.20	MATCH EXISTING
111	54+44.2	40.0' LT	338.14	MATCH EXISTING, WING
112	54+44.2	36.0' LT	338.23	RAMP
113	54+44.2	33.9' LT	338.30	PC, R=15'
114	54+45.4	28.0' LT	338.48	RAMP
115	54+52.2	20.6' LT	339.04	WING, 4" CURB
116	54+58.7	18.9' LT	339.18	MATCH EXISTING
117	53+53.1	16.2' RT	337.64	START HMA TRANSITION
118	53+68.1	16.3' RT	337.85	START CURB AND GUTTER
119	53+93.4	16.5' RT	338.37	RAMP
120	54+03.4	16.5' RT	338.52	RAMP
121	54+10.1	16.6' RT	338.46	AP
122	54+11.9	17.3' RT	338.44	AP
123	54+58.1	19.8' RT	339.24	MATCH EXISTING

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600\PLN02.dwg
ENGINEERING MANAGER	DATE	MEF 03/24
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	BMC 03/24
	CHECKED BY	DATE



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

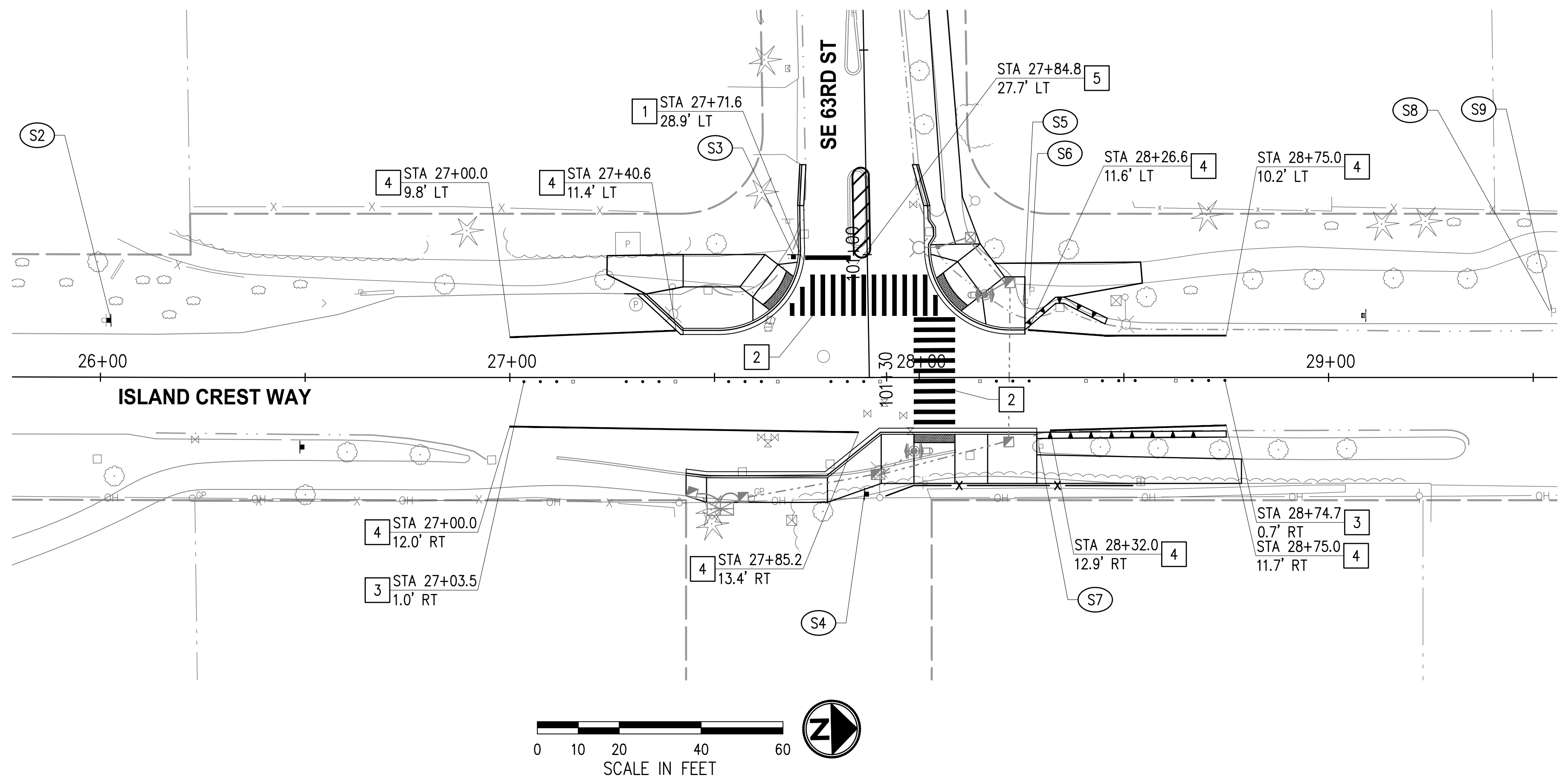
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

CURB RAMP DETAILS SCHOOL - PARKING EXIT	
KPG PROJECT No. 9MER010600	SHT 18 OF 33

K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600CHAN01.dwg 3/20/2024 9:35 AM



- GENERAL NOTES**
1. ALL SIGNS NOT MARKED FOR REMOVAL SHALL BE PROTECTED.
 2. SIGNS SHALL BE INSTALLED PER WSDOT STD PLAN G-22.10.
 3. ALL SIGNS TO BE INSTALLED ON NEW POST.
 4. SEE RRFB & TRAFFIC SIGNAL PLAN SHEETS FOR ADDITIONAL SIGNS.

- CHANNELIZATION NOTES**
1. INSTALL THERMOPLASTIC STOP BAR PER DETAIL, SHEET 22.
 2. INSTALL THERMOPLASTIC CROSSWALK PER DETAIL, SHEET 22.
 3. INSTALL RAISED PAVEMENT MARKERS (RPMS) PER WSDOT STD PLAN M-20.50.
 4. INSTALL 4" WIDE, WHITE PAINT LINE.
 5. INSTALL 4" WIDE, YELLOW PAINT LINE PER DETAIL, SHEET 22.

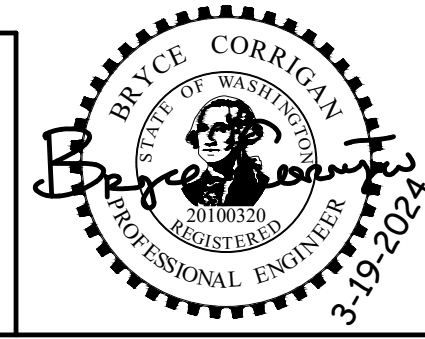
SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	DESIGNATION	SIZE	REMARKS
S1	25+14.1	17.0' RT	W11-2; W16-9P "AHEAD"	EXISTING	REMOVE
S2	26+02.5	13.9' LT	R2-1, "35 MPH"	30" X 36"	REMOVE AND REPLACE
S3	27+69.3	30.0' LT	R1-1, "STOP"; D3-1, "SE 63RD ST" "ISLAND CREST WAY"	36" X 36"; VARIES X 6"	REMOVE AND REPLACE
S4	27+86.6	28.5' RT	BUS STOP	EXISTING	REMOVE AND RESET
S5	28+25.4	18.6' LT	W11-2, W16-7P	EXISTING	REMOVE
S6	28+27.0	21.5' LT	D3-1, "SE 63RD ST" "ISLAND CREST WAY"	EXISTING	REMOVE
S7	28+29.2	16.8' RT	W11-2, W16-7P	EXISTING	REMOVE
S8	29+53.9	16.3' LT	R7-1, "NO PARKING ANY TIME"	12" X 18"	NEW
S9	29+54.5	16.4' LT	W11-2; W16-9P, "AHEAD"; R7-1, "NO PARKING ANY TIME"	36" X 36"; 24" X 12"; 12" X 18"	REMOVE

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE	9MER010600CHAN01.dwg
PROJECT MANAGER	DATE	FILENAME
PROJECT ENGINEER	DATE	MEF 03/24
		DESIGNED BY DATE
		MEF 03/24
		DRAWN BY DATE
		BMC 03/24
		CHECKED BY DATE



KPG PSOMAS

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

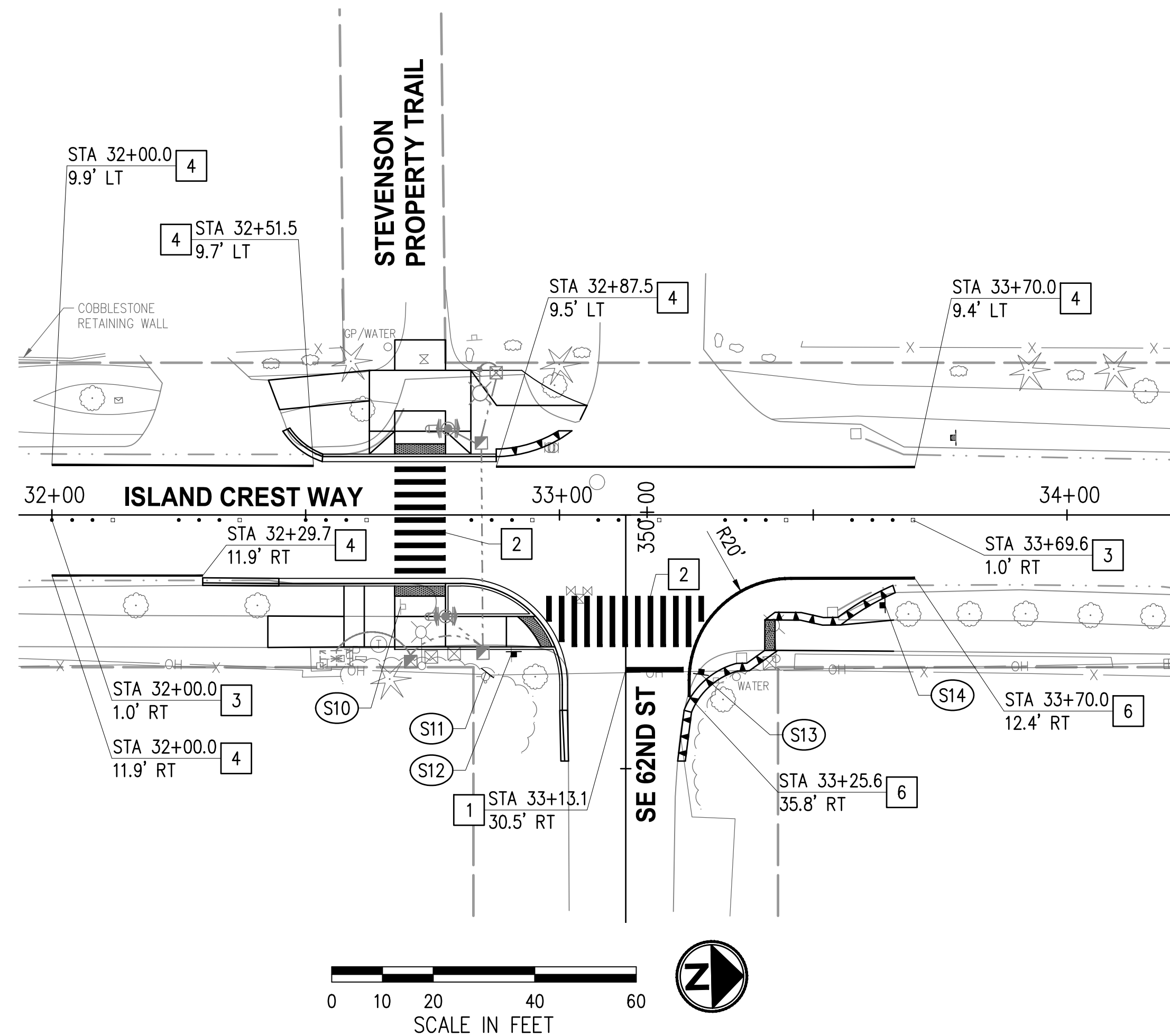
BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

CHANNELIZATION & SIGNING PLAN	
SE 63RD ST	
KPG PROJECT No. 9MER010600	SHT 19 OF 33

K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600CHAN01.dwg 3/20/2024 9:35 AM



GENERAL NOTES

1. ALL SIGNS NOT MARKED FOR REMOVAL SHALL BE PROTECTED.
2. SIGNS SHALL BE INSTALLED PER WSDOT STD PLAN G-22.10.
3. ALL SIGNS TO BE INSTALLED ON NEW POST.
4. SEE RRFB & TRAFFIC SIGNAL PLAN SHEETS FOR ADDITIONAL SIGNS.

CHANNELIZATION NOTES

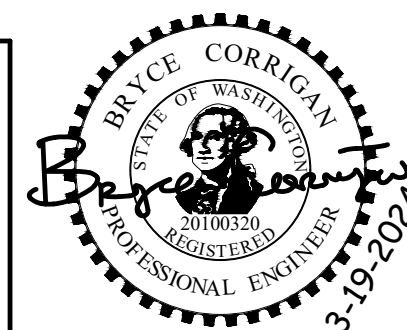
1. INSTALL THERMOPLASTIC STOP BAR PER DETAIL, SHEET 22.
2. INSTALL THERMOPLASTIC CROSSWALK PER DETAIL, SHEET 22.
3. INSTALL RAISED PAVEMENT MARKERS (RPMS) PER WSDOT STD PLAN M-20.50.
4. INSTALL 4" WIDE, WHITE PAINT LINE.
6. INSTALL 6" WIDE, WHITE PAINT LINE.

SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	DESIGNATION	SIZE	REMARKS
S10	32+68.7	18.1' RT	D11-1; M6-1	EXISTING	REMOVE
S11	32+85.5	31.1' RT	D11-1, "BIKE ROUTE"; M6-1	24" X 18"; 12" X 9"	REMOVE AND REPLACE ON LIGHT POLE
S12	32+90.5	27.4' RT	W14-1, "DEAD END" ; D3-1, "SE 62ND ST" "TO SE 63 ST & 89 AV SE" "ISLAND CREST WAY"		REMOVE AND REPLACE
S13	33+27.9	31.4' RT	R1-1, "STOP"	36" X 36"	REMOVE AND REPLACE
S14	33+64.2	17.8' RT	D11-1; MS-1 (RIGHT)	24" X 18" ; 12" X 9"	NEW

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9\MER010600CHAN01.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	DESIGNED BY DATE
		MEF 03/24
		DRAWN BY DATE
		BMC 03/24
		CHECKED BY DATE



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

BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

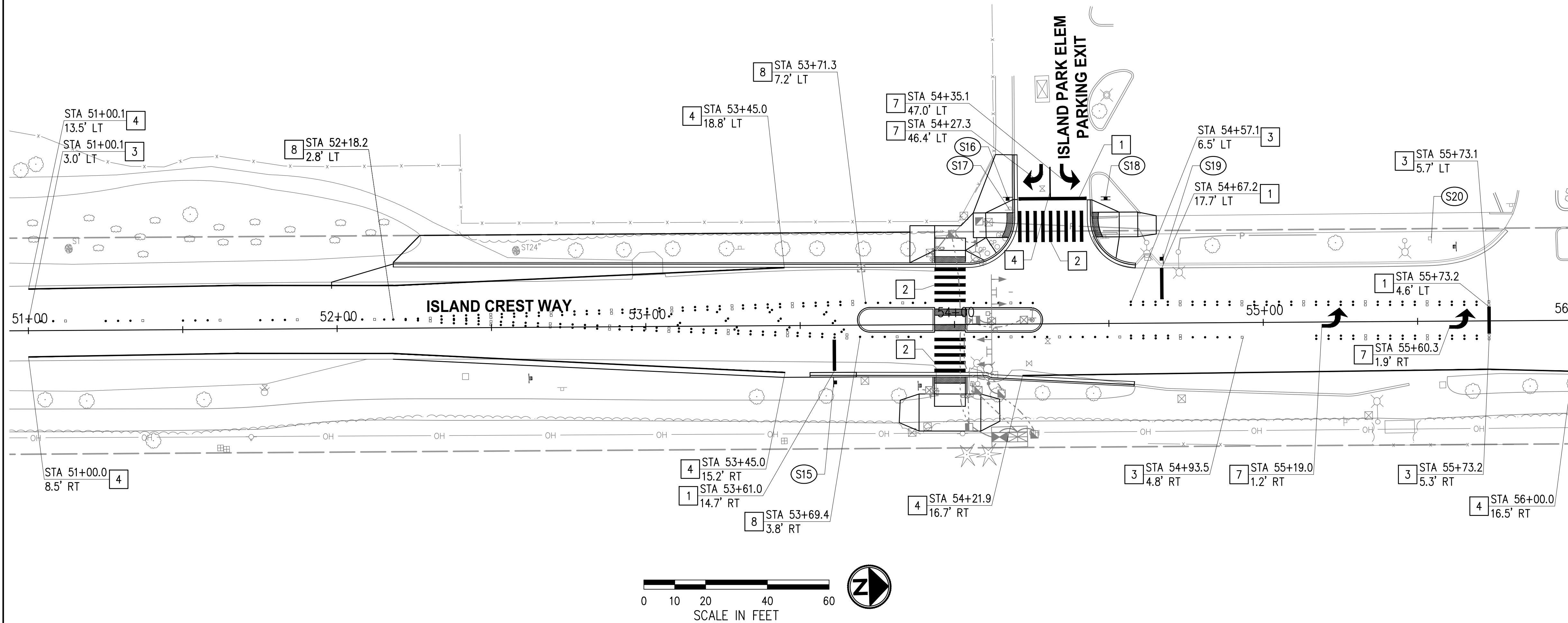
CHANNELIZATION & SIGNING PLAN SE 62ND ST	
KPG PROJECT No. 9\MER010600	SHT <u>20</u> OF <u>33</u>

GENERAL NOTES

1. ALL SIGNS NOT MARKED FOR REMOVAL SHALL BE PROTECTED.
2. SIGNS SHALL BE INSTALLED PER WSDOT STD PLAN G-22.10.
3. ALL SIGNS TO BE INSTALLED ON NEW POST.
4. SEE RRFB & TRAFFIC SIGNAL PLAN SHEETS FOR ADDITIONAL SIGNS.

CHANNELIZATION NOTES

1. INSTALL THERMOPLASTIC STOP BAR PER DETAIL, SHEET 22.
2. INSTALL THERMOPLASTIC CROSSWALK PER DETAIL, SHEET 22.
3. INSTALL RAISED PAVEMENT MARKERS (RPMS) PER WSDOT STD PLAN M-20.50.
4. INSTALL 4" WIDE, WHITE PAINT LINE.
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40.
8. INSTALL RAISED PAVEMENT MARKERS (RPMS) PER DETAIL, SHEET 22.

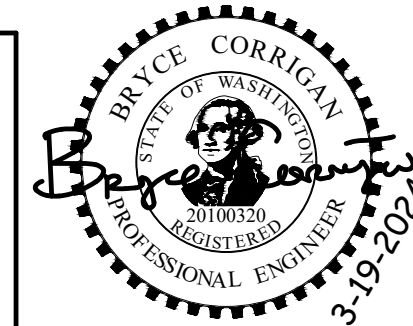


SIGN SCHEDULE					
SIGN NO.	STATION	OFFSET	DESIGNATION	SIZE	REMARKS
S15	53+60.7	18.5' RT	R10-6 "STOP HERE ON RED"	24" X 36"	NEW
S16	54+17.5	41.1' LT	R1-1 "STOP"	36" X 36"	NEW
S17	54+18.1	36.9' LT	R5-1, "DO NOT ENTER"; R1-1 "STOP"	36" X 36"	REMOVE
S18	54+49.2	40.5' LT	R5-1, "DO NOT ENTER"; R1-1 "STOP"	36" X 36"; 36" X 36"	REMOVE AND REPLACE
S19	54+67.7	20.9' LT	R10-6 "STOP HERE ON RED"	24" X 36"	NEW
S20	55+54.7	26.9' LT	S1-1; W16-9P	EXISTING	REMOVE

K:\MERCER IS\9MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9MER010600CHAN01.dwg 3/20/2024 9:35 AM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600CHAN01.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DATE
		MEF
		DATE
		03/24
		MEF
		DATE
		03/24
		BMC
		DATE
		03/24
		CHECKED BY
		DATE
		03/24



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

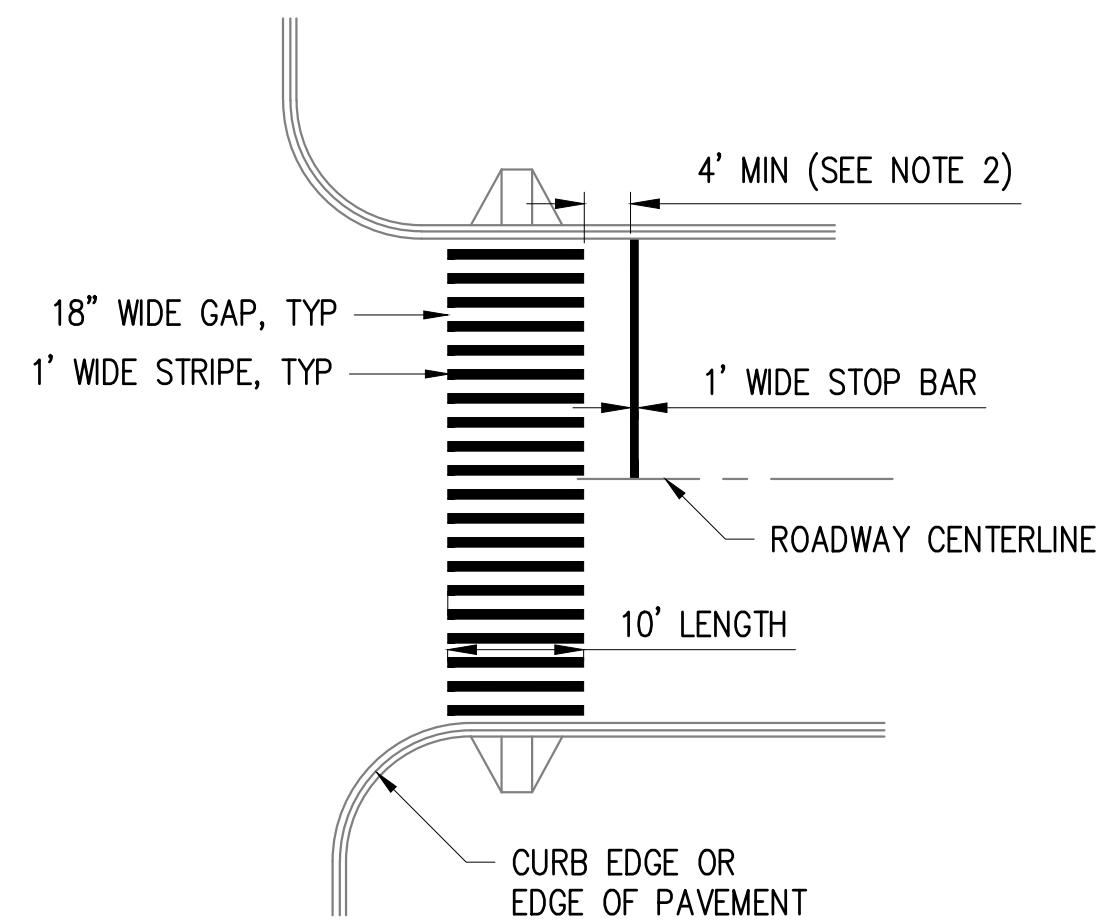
BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

CHANNELIZATION & SIGNING PLAN SCHOOL	
KPG PROJECT No. 9MER010600	SHT 21 OF 33

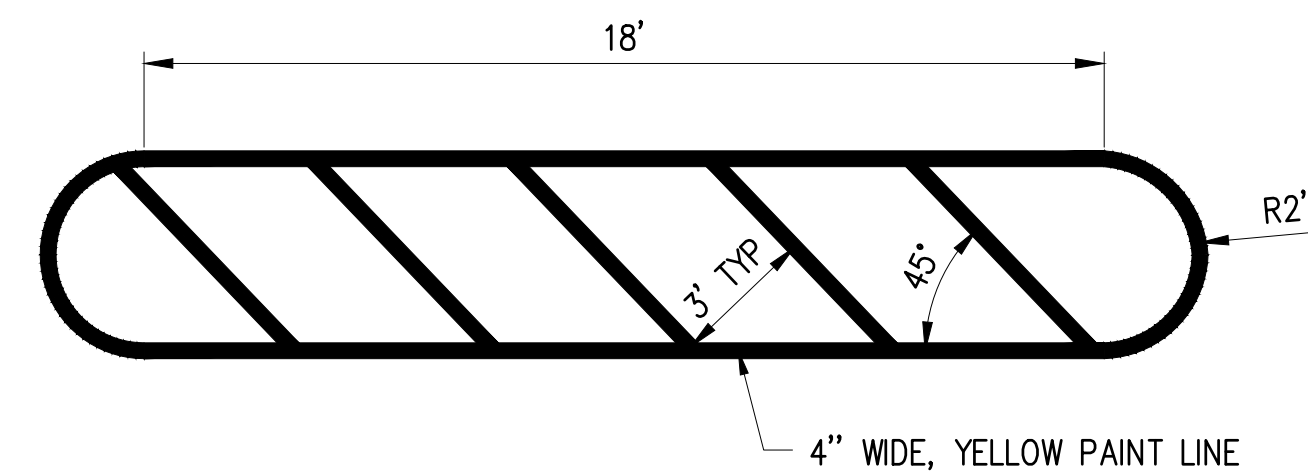
K:\MERCER IS\9\MER010600- ICW Corridor Analysis and Design\CADD\SheetFiles\9\MER010600DET-WALK.dwg 3/20/2024 9:35 AM



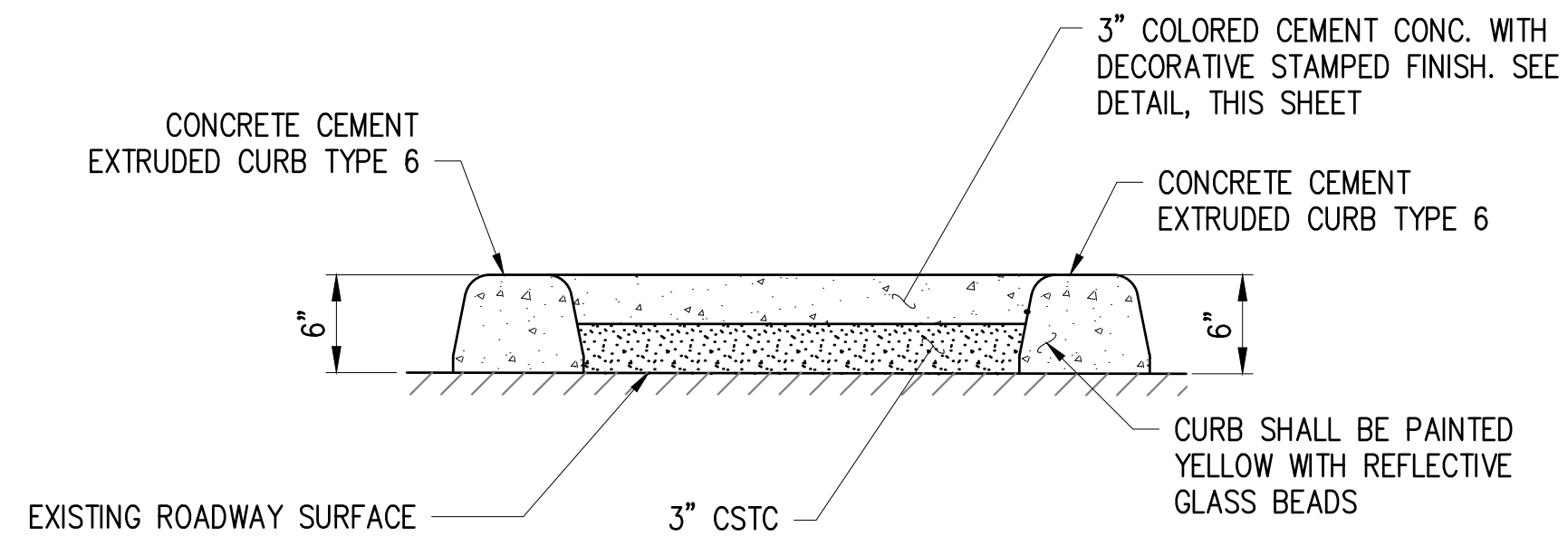
NOTES

1. USE WHITE THERMOPLASTIC UNLESS OTHERWISE DIRECTED BY CITY STREET ENGINEER.
2. INSTALLATION OF OFFSET STOP BAR SHALL BE TRAFFIC ENGINEER-APPROVED.
3. FOR USE AT SCHOOL CROSSINGS, MID-BLOCK CROSSINGS AND WHERE THERE ARE PEDESTRIAN FACILITIES ON BOTH SIDES OF THE ROADWAY NEEDING CROSSWALK MARKINGS TO DEFINE THE WALKING ROUTE

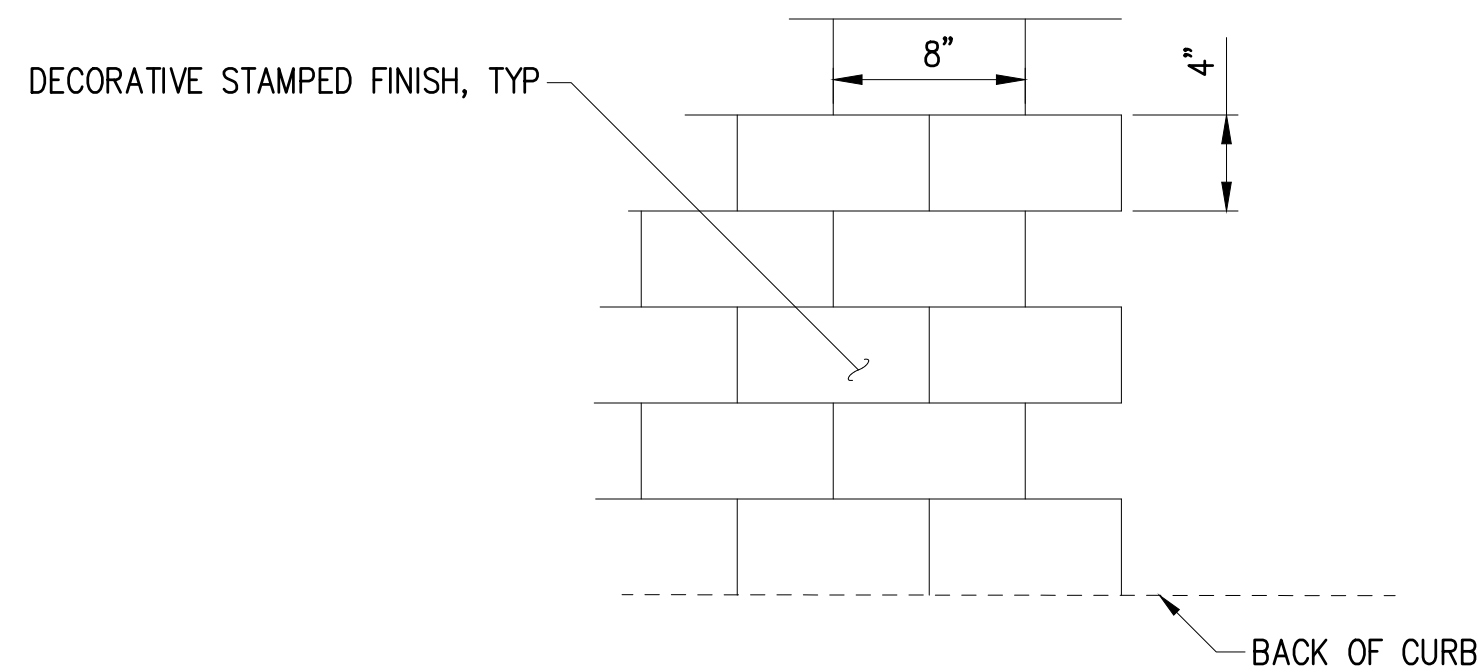
CROSS WALK LAYOUT
NTS



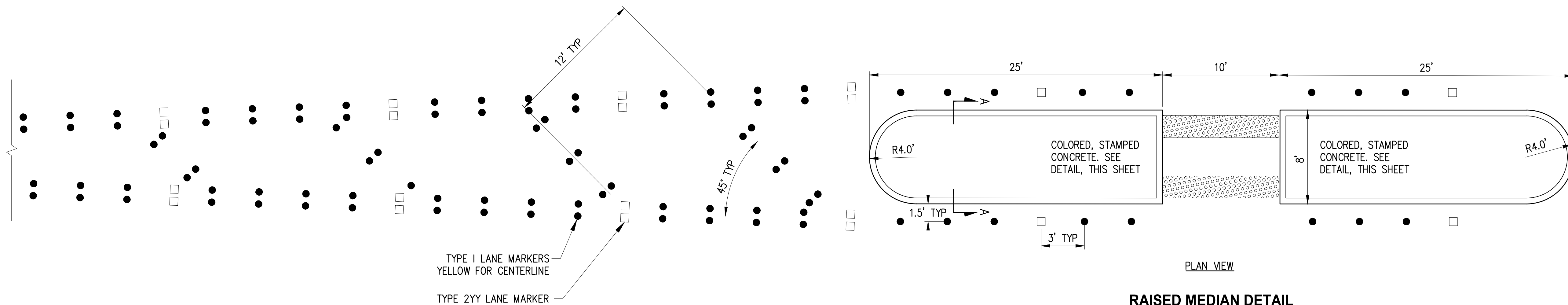
PAINTED MEDIAN DETAIL
NTS



SECTION A-A
NTS



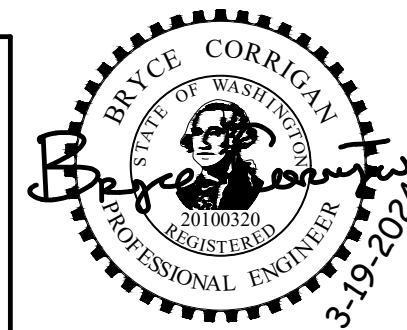
STAMPED CONCRETE FINISH DETAIL
NTS



RAISED MEDIAN DETAIL
APPROX STA 54+00

NO.	DATE	BY	APPR.	REVISIONS

Approved By		9MER010600DET-WALK.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	MEF 03/24
PROJECT ENGINEER	DATE	DESIGNED BY
		MEF 03/24
		DRAWN BY
		BMC 03/24
		CHECKED BY



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

BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

CHANNELIZATION DETAILS	
KPG PROJECT No. 9MER010600	SHT 22 OF 33

\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\RRFB_Plans.dwg 3/19/2024 4:47 PM

GENERAL NOTES:

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS, CITY STANDARDS, SPECIAL PROVISIONS AND THESE PLANS.
- UTILITIES LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND LOCATIONS IN THE FIELD. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR ARE FOR GRAPHICAL PRESENTATION ONLY. FINAL LOCATIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- ALL NEW JUNCTION BOXES PLACED IN THE SIDEWALKS SHALL HAVE SKID RESISTANT LIDS AND FRAMES.
- ALL NEW EQUIPMENT, INCLUDING CONDUIT, SHALL BE INSTALLED IN THE CITY RIGHT-OF-WAY.
- 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 LISTED REQUIREMENTS, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS DIRECTED BY THE ENGINEER.
- COORDINATION WITH PSE REGARDING POWER ONGOING.

CONSTRUCTION NOTES:

- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-21.10-04, EXCEPT BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET. FURNISH AND INSTALL ONE AC POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, TWO RRFB BEACON ASSEMBLIES (BI-DIRECTIONAL, WITH SIDE EMITTING PEDESTRIAN CONFIRMATION LIGHTS), ONE PEDESTRIAN PUSH BUTTON, AND SIGNS PER RRFB ASSEMBLY DETAIL ON RRFB DETAILS SHEET.
- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-21.10-04, EXCEPT BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET. FURNISH AND INSTALL ONE AC POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, ONE CONTROL CABINET, TWO RRFB BEACON ASSEMBLIES (BI-DIRECTIONAL, WITH SIDE EMITTING PEDESTRIAN CONFIRMATION LIGHTS), ONE PEDESTRIAN PUSH BUTTON, AND SIGNS PER RRFB ASSEMBLY DETAIL ON RRFB DETAILS SHEET.
- INSTALL TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04.
- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-10.10-04. FURNISH AND INSTALL TYPE D SERVICE CABINET PER WSDOT STD PLAN J-10.21-02.
- CONSTRUCT FOUNDATION AND CONCRETE LIGHT POLE PER CITY OF MERCER ISLAND STD PLAN IL-1B. FURNISH AND INSTALL 66 WATT LED LUMINAIRE.
- INSTALL TYPE 1 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04.
- INSTALL W11-2 AND W16-9P SIGNS ON NEW SIGN POST PER ADVANCE SIGN CONFIGURATION DETAIL ON RRFB DETAILS SHEET.
- FURNISH AND INSTALL TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04. CONTRACTOR TO COORDINATE WITH PSE FOR SERVICE CONNECTION TO JUNCTION BOX.
- REMOVE EXISTING JUNCTION BOX. INSTALL TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04. MAINTAIN AND PROTECT EXISTING CONDUITS AND WIRES AND REROUTE INTO NEW JUNCTION BOX.

LEGEND:

- NEW**
- LIGHT
 - RRFB POLE, EQUIPMENT AND SIGNS
 - PEDESTRIAN PUSH BUTTON
 - TYPE 1 JUNCTION BOX
 - TYPE 2 JUNCTION BOX
 - SERVICE CABINET
 - CONDUIT
 - EXISTING RIGHT OF WAY
 - POLE NOTE
 - CONSTRUCTION NOTE
 - WIRE NOTE
 - SIGN NOTE

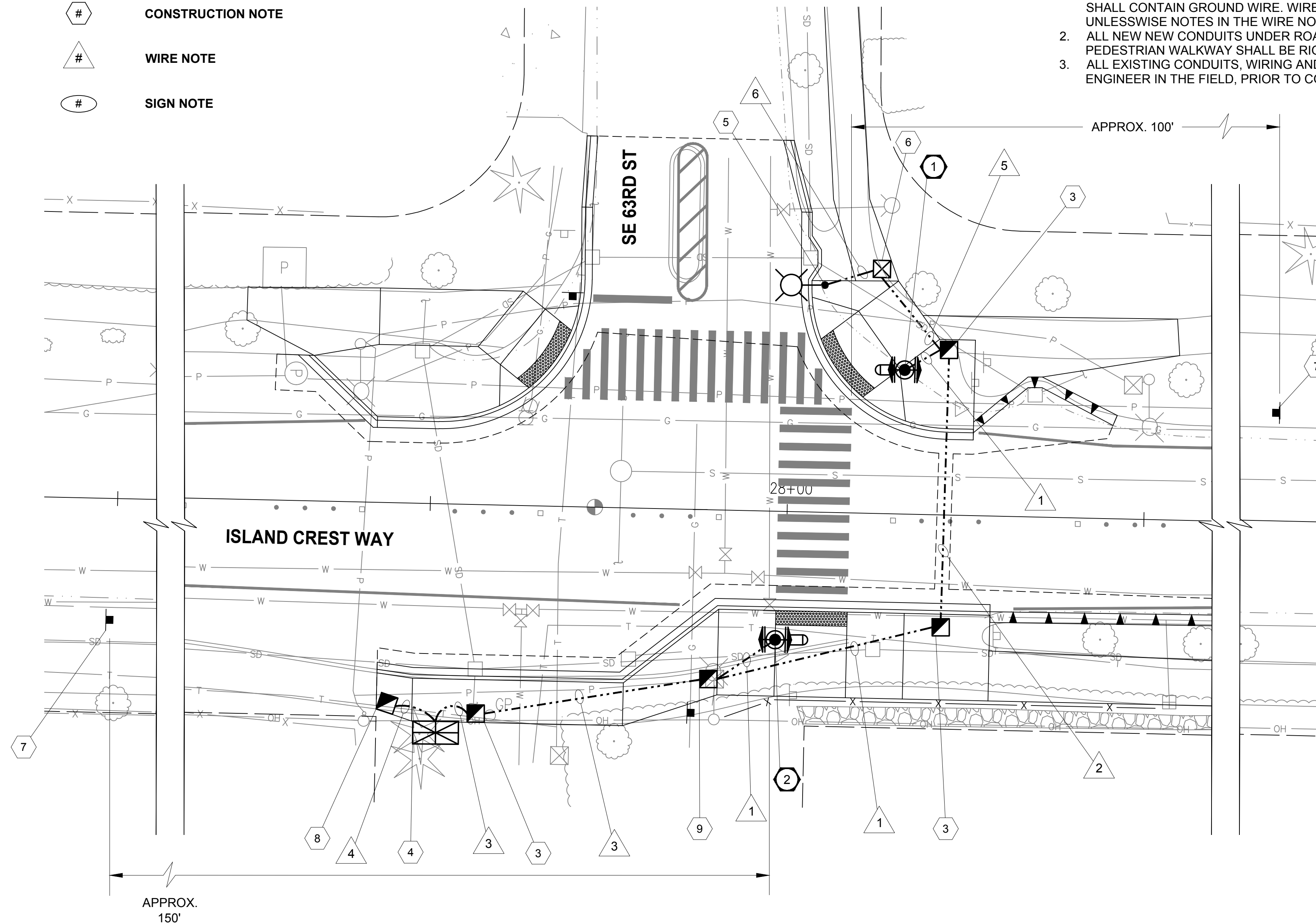
POLE SCHEDULE				
POLE NO	STATION	OFFSET	FOUNDATION	NOTES
1	28+16.0	20.2' LT	J-21.10-04	*
2	27+98.7	18.0' RT	J-21.10-04	*

* ANCHOR BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET.

WIRING SCHEDULE							
RUN NO	CONDUIT SIZE	PPB (2CS)	RRFB (#8)	LIGHTING (#10)	POWER/LIGHTING (#8)	POWER (#1)	NOTES
1	2"	1	2		2		
2	2"	1	2		2		SPARE
3	2"				4		SPARE
4	3"					3	COORDINATION ONGOING
5	2"				2		
6	2"			2			
7	2"						CONTRACTOR TO COORDINATE WITH PSE FOR POWER

NOTE:

- GROUND WIRING IS NOT SHOWN. ALL NEW AND MODIFIED PVC CONDUITS, CONTAINING CONDUCTORS, SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG UNLESSWISE NOTES IN THE WIRE NOTES).
- ALL NEW NEW CONDUITS UNDER ROADWAY SHALL BE RIGID PVC SCH 80. ALL NEW CONDUITS UNDER PEDESTRIAN WALKWAY SHALL BE RIGID PVC SCH 40.
- ALL EXISTING CONDUITS, WIRING AND CIRCUIT VOLTAGE SHALL BE VERIFIED IN THE PRESENCE OF THE ENGINEER IN THE FIELD, PRIOR TO CONSTRUCTION.



NO.	DATE	BY	APPR.	REVISIONS

Approved By		RRFB_Plans.dwg
ENGINEERING MANAGER	DATE	TSC 3/19/2024
PROJECT MANAGER	DATE	RAS 3/19/2024
PROJECT ENGINEER	DATE	JXL 3/19/2024
		CHECKED BY DATE



DKS
 719 Second Ave, Suite 1250
 Seattle, WA 98104
 (206) 382-9800
 www.dksassociates.com

BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

RRFB PLAN	
ISLAND CREST WAY AND SE 63RD ST	
KPG PROJECT No. 9MER010400	SHT 23 OF 33

\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\RRFB_Plans.dwg 3/19/2024 4:47 PM

GENERAL NOTES:

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS, CITY STANDARDS, SPECIAL PROVISIONS AND THESE PLANS.
- UTILITIES LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND LOCATIONS IN THE FIELD. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR ARE FOR GRAPHICAL PRESENTATION ONLY. FINAL LOCATIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- ALL NEW JUNCTION BOXES PLACED IN THE SIDEWALKS SHALL HAVE SKID RESISTANT LIDS AND FRAMES.
- ALL NEW EQUIPMENT, INCLUDING CONDUIT, SHALL BE INSTALLED IN THE CITY RIGHT-OF-WAY.
- 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 LISTED REQUIREMENTS, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS DIRECTED BY THE ENGINEER.

LEGEND:

- | | | |
|-----------------|------------|---------------------------------------|
| EXISTING | NEW | |
| | | LIGHT |
| | | RRFB POLE, EQUIPMENT AND SIGNS |
| | | PEDESTRIAN PUSH BUTTON |
| | | TYPE 1 JUNCTION BOX |
| | | TYPE 2 JUNCTION BOX |
| | | EXISTING SERVICE CABINET |
| | | CONDUIT |
| | | EXISTING RIGHT OF WAY |
| | | POLE NOTE |
| | | CONSTRUCTION NOTE |
| | | WIRE NOTE |
| | | SIGN NOTE |

WIRING SCHEDULE						
RUN NO	CONDUIT SIZE	PPB (2CS)	RRFB (#8)	LIGHTING (#10)	POWER/LIGHTING (#8)	NOTES
1	2"	1	2		2	
	2"	1	2		2	
2	2"				2	
	2"					SPARE
3	2"	1	2		2	
	2"				4	
4	2"					SPARE
	2"				2	
5	2"				2	
6	2"			2		
7	EX				4	

- NOTE:**
- GROUND WIRING IS NOT SHOWN. ALL NEW AND MODIFIED PVC CONDUITS, CONTAINING CONDUCTORS, SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #6 AWG UNLESSWISE NOTES IN THE WIRE NOTES).
 - ALL NEW CONDUITS SHALL BE RIGID PVC SCH 80.
 - ALL EXISTING CONDUITS, WIRING AND CIRCUIT VOLTAGE SHALL BE VERIFIED IN THE PRESENCE OF THE ENGINEER IN THE FIELD, PRIOR TO CONSTRUCTION.

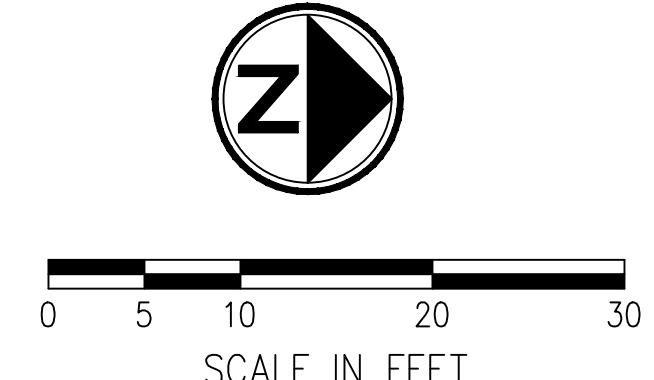
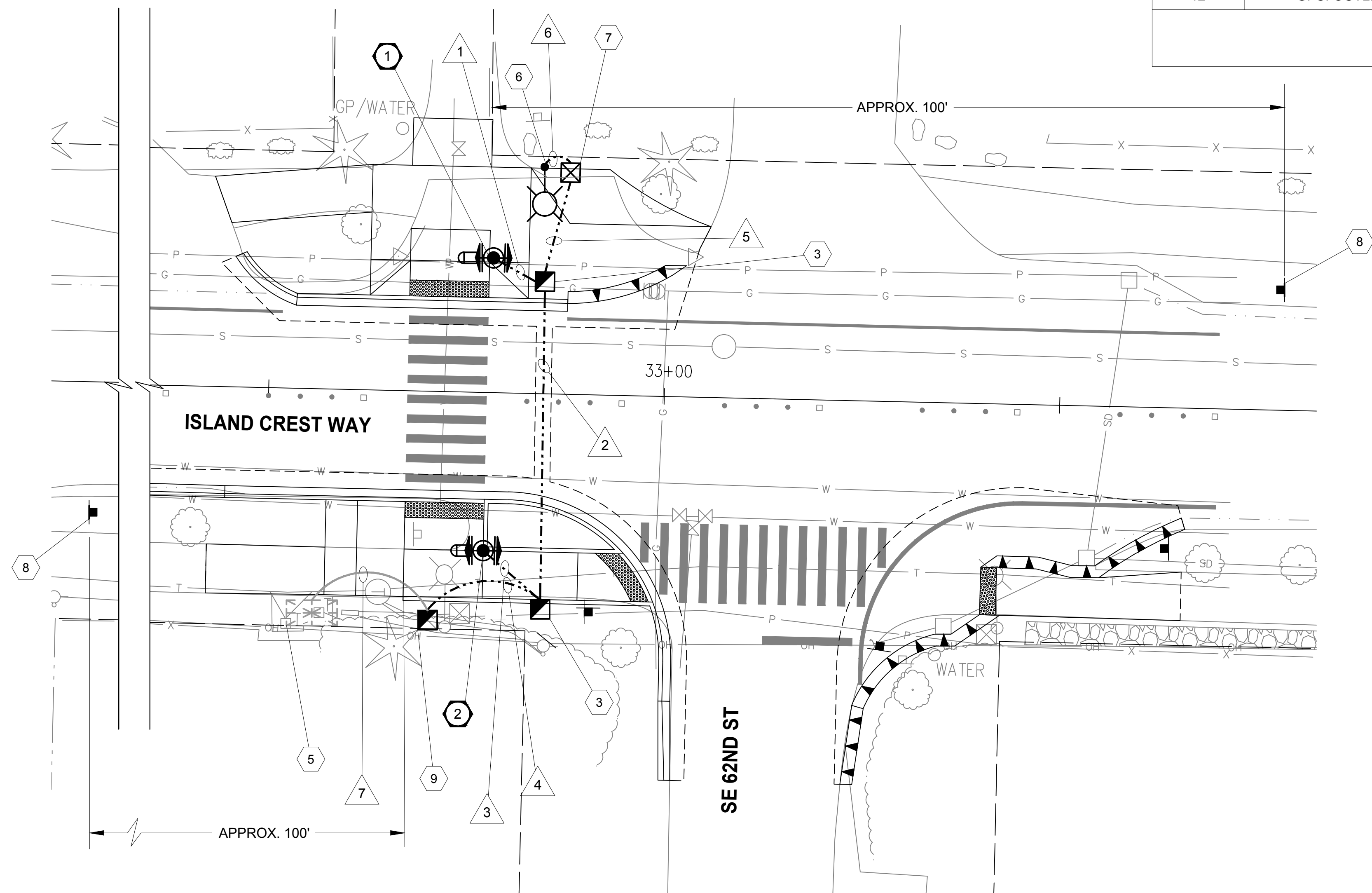
POLE SCHEDULE				
POLE NO	STATION	OFFSET	FOUNDATION	NOTES
1	32+78.0	17.0' LT	J-21.10-04	*
2	32+77.5	20.0' RT	J-20.11-03	*

* ANCHOR BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET.

SERVICE BREAKER SCHEDULE		NAME:		ISLAND CREST WAY & 62ND AVE	
		DESCRIPTION:		120V/240V, SIGNALE PHASE, 3-WIRE	
CIRCUIT	DESCRIPTION	BREAKER RATING		VOLTAGE	LOAD (KVA)
	MAIN BREAKER	100	AMP	240	
1	EX COOLPED OUTLET	15	AMP	120	1.8
2	EX COOLPED OUTLET	15	AMP	120	1.8
4	SPARE	20	AMP	120	0.0
6	SPARE	20	AMP	120	0.0
7	RRFB	25	AMP	120	3.0
8	LIGHTNING	15	AMP	120	1.8
12	GFCI OUTLET	15	AMP	120	1.8
				PEAK (KVA)	13.6
				CONTINUOUS (KVA)	10.2

CONSTRUCTION NOTES:

- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-21.10-04, EXCEPT BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET. FURNISH AND INSTALL ONE AC POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, ONE CONTROL CABINET, TWO RRFB BEACON ASSEMBLIES (BI-DIRECTIONAL, WITH SIDE EMITTING PEDESTRIAN CONFIRMATION LIGHTS), ONE PEDESTRIAN PUSH BUTTON, AND SIGNS PER RRFB ASSEMBLY DETAIL ON RRFB DETAILS SHEET.
- CONSTRUCT CURB BASED FOUNDATION PER WSDOT STD PLAN J-20.11-03, EXCEPT BOLT SPACING SHALL BE PER RRFB POLE BOLT CIRCLE DETAIL ON RRFB DETAILS SHEET. FURNISH AND INSTALL ONE AC POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, TWO RRFB BEACON ASSEMBLIES (BI-DIRECTIONAL, WITH SIDE EMITTING PEDESTRIAN CONFIRMATION LIGHTS), ONE PEDESTRIAN PUSH BUTTON, AND SIGNS PER RRFB ASSEMBLY DETAIL ON RRFB DETAILS SHEET.
- INSTALL TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04.
- INTERCEPT EXISTING CONDUIT INTO EXISTING SERVICE CABINET.
- USE EXTRA CIRCUITS IN EXISTING SERVICE CABINET FOR PROPOSED RRFB AND NEW LIGHT STANDARDS. SEE BREAKER SCHEDULE. CONTRACTOR TO COORDINATE WITH PSE DURING CONSTRUCTION. CONTRACTOR TO CONFIRM MAX SERVICE LOAD.
- CONSTRUCT FOUNDATION AND CONCRETE LIGHT POLE PER CITY OF MERCER ISLAND STD PLAN IL-1B. FURNISH AND INSTALL 66 WATT LED LUMINAIRE.
- INSTALL TYPE 1 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04.
- INSTALL W11-2 AND W16-9P SIGNS ON NEW SIGN POST PER ADVANCED SIGN CONFIGURATION DETAIL ON RRFB DETAILS SHEET.
- REMOVE EXISTING JUNCTION BOX. INSTALL TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04. PROTECT AND MAINTAIN EXISTING CONDUITS AND WIRES. CONTRACTOR TO CONFIRM EXISTING CONDUIT PATH TO EXISTING SERVICE CABINET WITH PSE.



NO.	DATE	BY	APPR.	REVISIONS

Approved By		RRFB_Plans.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	TSC
PROJECT ENGINEER	DATE	DESIGNED BY
		RAS
		DRAWN BY
		JXL
		CHECKED BY



DKS
719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

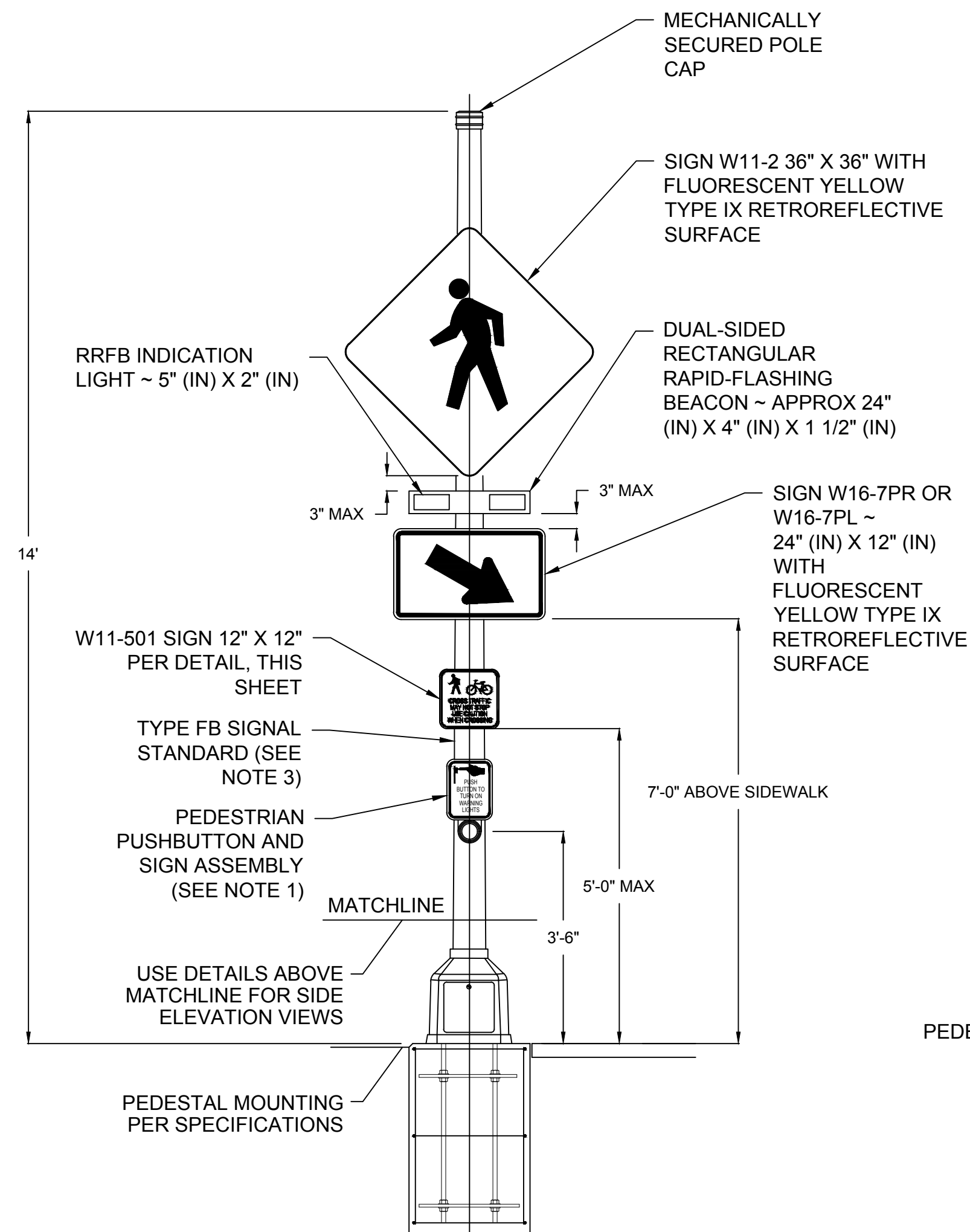
BID DOCUMENT



**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

**RRFB PLAN
ISLAND CREST WAY AND SE 62ND ST**
KPG PROJECT No. 9MER010400 | SHT 24 OF 33

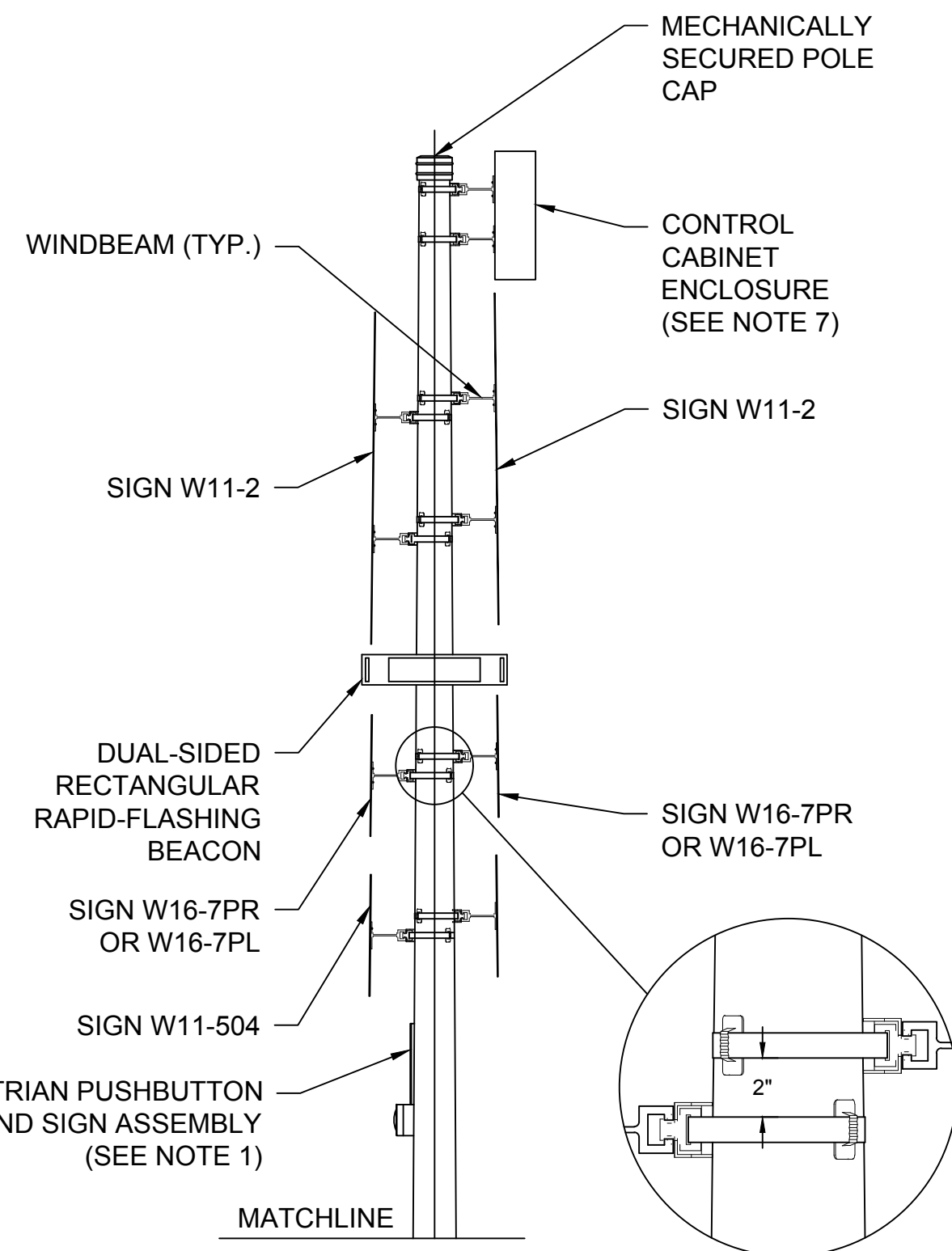
\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design, SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\RRFB_Plans.dwg 3/19/2024 4:47 PM



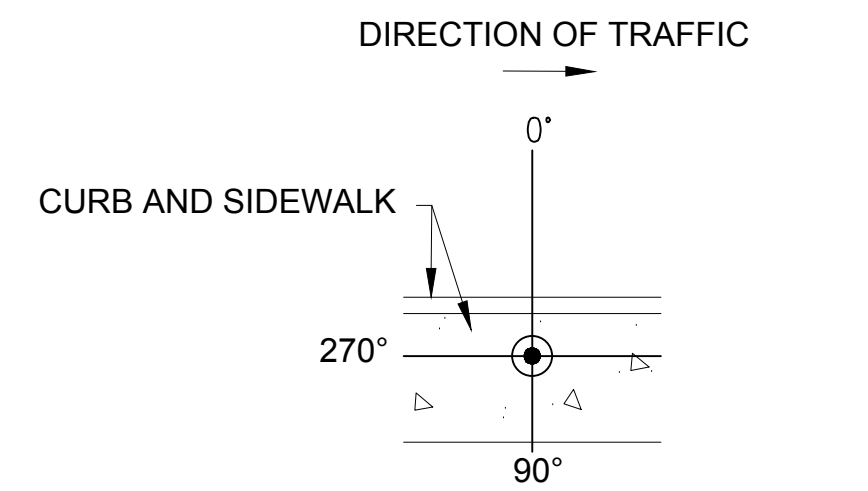
RRFB ASSEMBLY DETAIL
NTS

GENERAL NOTES:

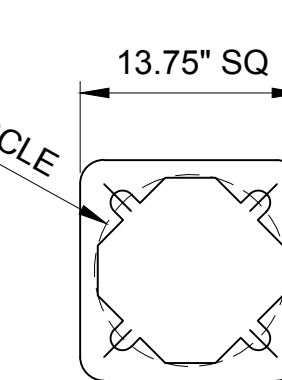
1. PEDESTRIAN PUSHBUTTON AND SIGN ASSEMBLY (IF USED ON THE POLE). SEE SPECIAL PROVISIONS.
2. SEE WSDOT STANDARD PLAN J-21.10-04 FOR SIGNAL STANDARD FOUNDATION WITH FIXED BASE DETAIL.
3. SEE WSDOT STANDARD PLAN J-21.16-01 FOR SIGNAL STANDARD DETAILS NOT SHOWN.
4. SEE WSDOT STANDARD PLAN J-21.17-01 FOR WIRING DETAILS NOT SHOWN.
5. SEE WSDOT STANDARD PLAN G-30.10-04 FOR SIGN INSTALLATION ON SIGNAL STANDARD DETAILS.
6. TERMINATE RRFB CONNECTIONS PER MANUFACTURER'S RECOMMENDATION.
7. CONTROL CABINET ENCLOSURE SHALL BE SIZED BY THE RRFB MANUFACTURER. THE CONTROL CABINET SHALL BE MANUFACTURED PER TERMINAL CABINET REQUIREMENTS OF STANDARD SPECIFICATION SECTION 9-29.25.



RRFB POLE BOLT CIRCLE
NTS



- NOTES:
1. HANDHOLE ACCESS DOOR SHALL BE MOUNTED AT 90°.
 2. PPB ORIENTATION SHALL BE PER ENGINEER'S DIRECTIVES IN THE FIELD.



- NOTES:
1. PEDESTRIAN SYMBOL HEIGHT SHALL BE 4".
 2. BICYCLE SYMBOL HEIGHT SHALL BE 3".
 3. LETTERS SHALL BE 1" C.
 4. LEGEND SHALL BE BLACK.
 5. BACKGROUND SHALL BE YELLOW.

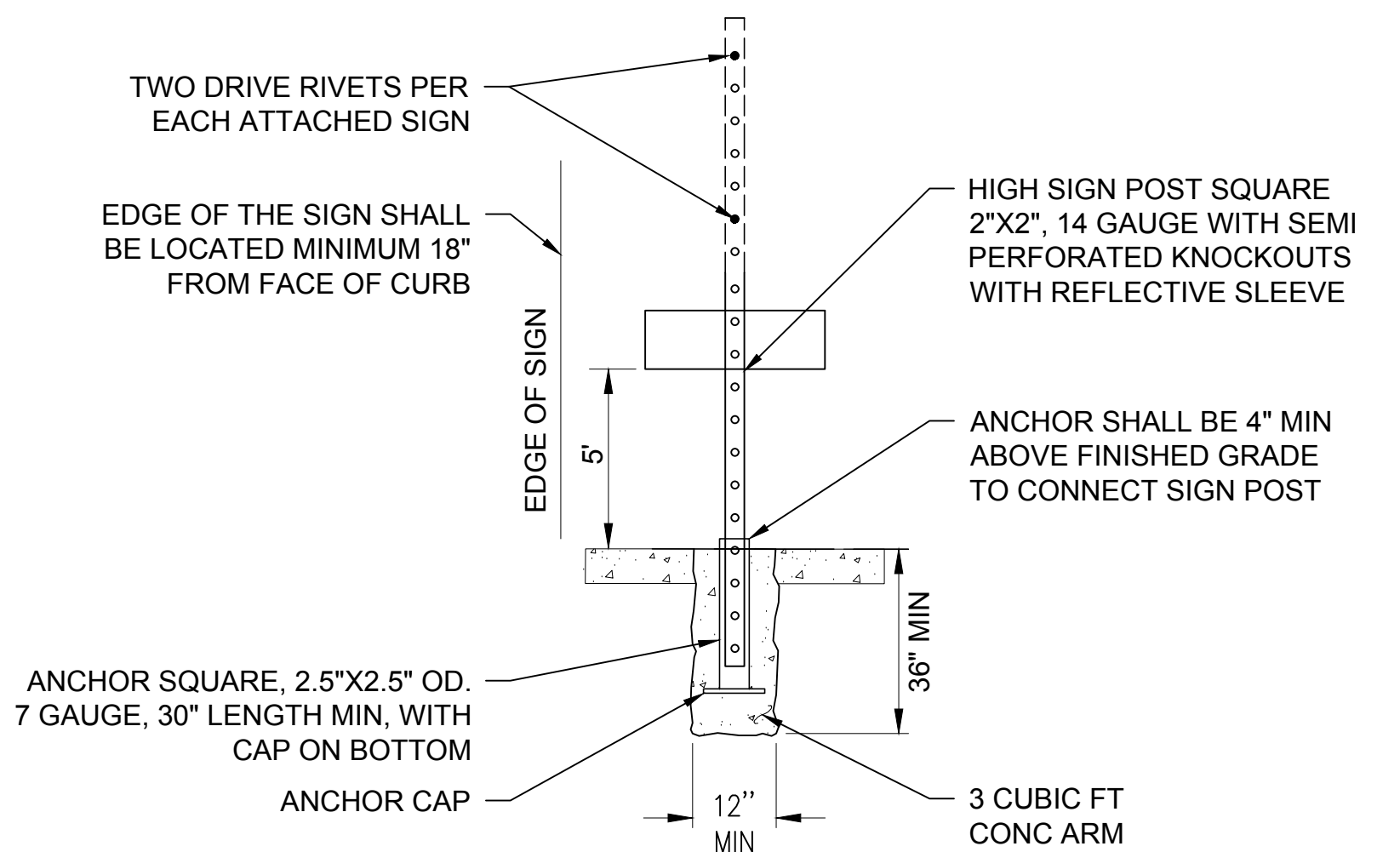
W11-501 PEDESTRIAN WARNING SIGN DETAIL
NTS



W11-2 (30"x30") SIGNS WITH FLUORESCENT YELLOW TYPE IX RETROREFLECTIVE SURFACE

W16-9P (24"x12") SIGNS WITH FLUORESCENT YELLOW TYPE IX RETROREFLECTIVE SURFACE

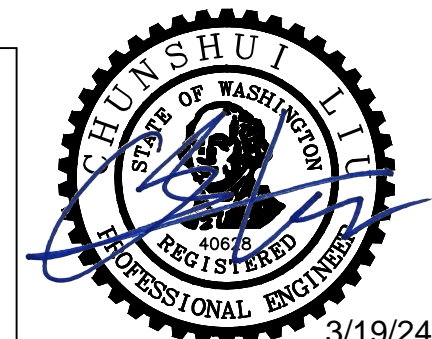
ADVANCE SIGN CONFIGURATION



ADVANCED SIGN CONFIGURATION SIGN POST INSTALLATION DETAIL
NTS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		RRFB_Plans.dwg
		FILENAME
		TSC 3/19/2024
		DESIGNED BY DATE
		RAS 3/19/2024
		DRAWN BY DATE
		JXL 3/19/2024
		CHECKED BY DATE



DKS
719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

BID DOCUMENT



**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

RRFB DETAILS	
ISLAND CREST WAY AND SE 62ND ST	
KPG PROJECT No. 9MER010400	SHT 25 OF 33

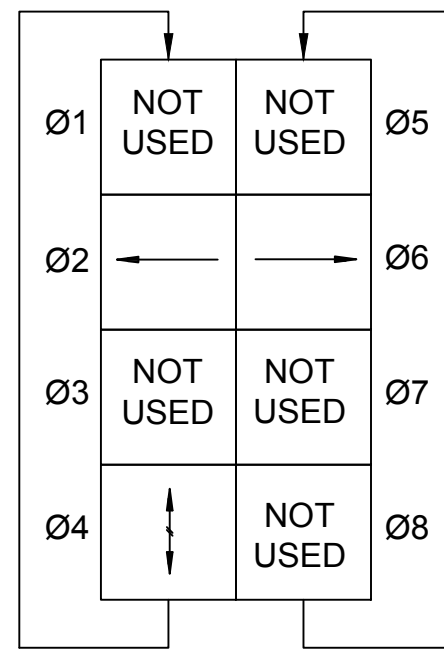
GENERAL NOTES:

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS, CITY STANDARDS, SPECIAL PROVISIONS AND THESE PLANS.
- UTILITIES LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND LOCATIONS IN THE FIELD. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- THE LOCATION OF ALL FEATURES TO BE INSTALLED BY THE CONTRACTOR ARE FOR GRAPHICAL PRESENTATION ONLY. FINAL LOCATIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- ALL NEW JUNCTION BOXES PLACED IN THE SIDEWALKS SHALL HAVE SKID RESISTANT LIDS AND FRAMES.
- ALL NEW EQUIPMENT, INCLUDING CONDUIT, SHALL BE INSTALLED IN THE CITY RIGHT-OF-WAY.
- 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 LISTED REQUIREMENTS, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS DIRECTED BY THE ENGINEER.
- ALL MAST-ARM MOUNTED SIGNS SHALL BE INSTALLED WITH STAINLESS STEEL STRAPS AND BRACKETS PER WSDOT STD PLAN G-30.10-04.

CONSTRUCTION NOTES:

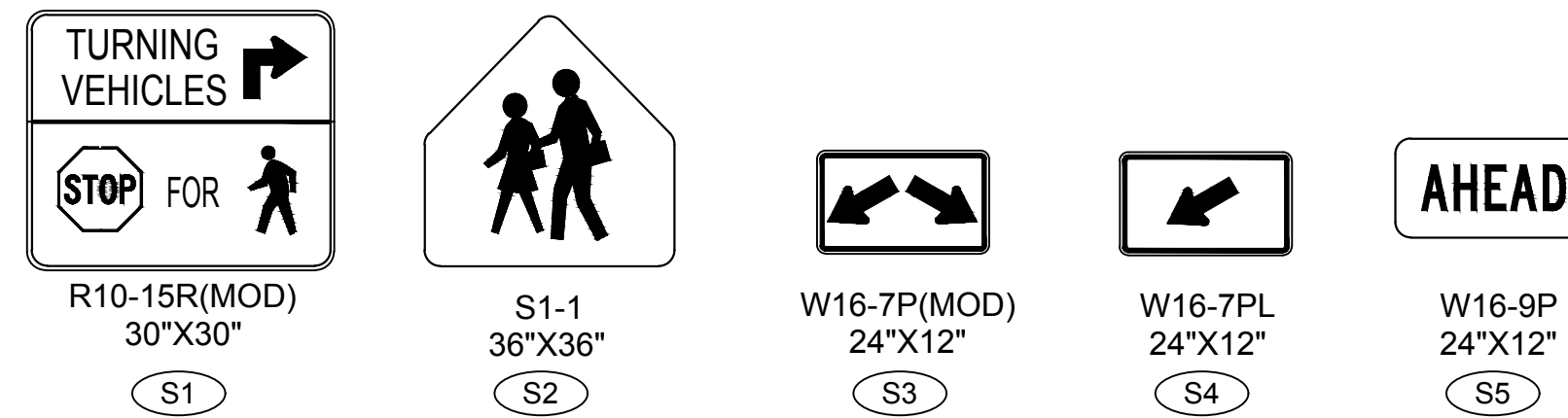
- INSTALL SIGNAL POLE FOUNDATION PER WSDOT STD PLAN J-26.10-03. FURNISH AND INSTALL TYPE 2 SIGNAL STANDARD WITH TWO 15 FOOT SIGNAL MAST ARMS AT A 180 DEGREE ANGLE. INSTALL TWO SIGNAL HEADS, ONE EMERGENCY PREEMPTION DETECTOR AND ONE SIGN ON THE SOUTHBOUND MAST ARM. INSTALL TWO SIGNAL HEADS, ONE EMERGENCY PREEMPTION DETECTOR AND ONE SIGN ON THE NORTHBOUND MAST ARM. INSTALL FOUR SIGNS AND ONE TERMINAL CABINET ON THE SIGNAL POLE.
- CONSTRUCT TYPE PS POLE FOUNDATION PER WSDOT STD PLAN J-21.10-04. FURNISH AND INSTALL TYPE PS POLE. FURNISH AND INSTALL ONE PEDESTRIAN COUNTDOWN SIGNAL HEAD PER WSDOT STD PLAN J-20.16-02 AND ONE APS PEDESTRIAN PUSH BUTTON J-20.26-01 ON THE POLE.
- CONSTRUCT TYPE PS POLE FOUNDATION PER WSDOT STD PLAN J-21.10-04. FURNISH AND INSTALL TYPE PS POLE. FURNISH AND INSTALL ONE PEDESTRIAN COUNTDOWN SIGNAL HEAD PER WSDOT STD PLAN J-20.16-02 AND ONE APS PEDESTRIAN PUSH BUTTON J-20.26-01 ON THE POLE.
- FURNISH AND INSTALL NEW TYPE 1 JUNCTION BOX PER WSDOT STD PLAN J-40.10-04. REROUTE EXISTING CONDUIT AND WIRING FOR SCHOOL ZONE FLASHER INTO NEW JUNCTION BOX.
- FURNISH AND INSTALL NEW TYPE 2 JUNCTION BOX PER WSDOT STD PLAN J-40.10-04.
- FURNISH AND INSTALL NEW TYPE 8 JUNCTION BOX PER WSDOT STD PLAN J-40.30-04.
- REPLACE AND ADJUST LOCATION OF EXISTING JUNCTION BOX WITH TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04. RECONNECT AND ADJUST CONDUIT TO THE NEW JUNCTION BOX LOCATION AND REWIRE ASSOCIATED WIRING.
- REMOVE RRFB CONTROLLER AND ASSOCIATED WIRING FROM EXISTING POST. MAINTAIN AND PROTECT EXISTING SCHOOL ZONE FLASHER CONTROLLER ASSOCIATED WIRING.
- CONSTRUCT DUEL JOINT CABINET FOUNDATION PER WSDOT STD PLAN J-10.10-04. FURNISH AND INSTALL TYPE "M" CONTROLLER CABINET WITH ECONOLITE ASC/3 CONTROLLER, WITH DOOR FACING TO THE WEST. REFER TO SPECIAL PROVISIONS. FURNISH AND INSTALL TYPE D SERVICE CABINET PER WSDOT STD PLAN J-10.21-02.
- CONSTRUCT FOUNDATION AND CONCRETE LIGHT POLE PER CITY OF MERCER ISLAND STD PLAN IL-1B. FURNISH AND INSTALL 66W LED LUMINAIRE. INSTALL SIGNS ONTO THE LUMINAIRE POLE PER WSDOT STD PLAN G-30.10-04.
- REMOVE EXISTING RRFB POLE AND ASSOCIATED EQUIPMENT.
- REPLACE EXISTING TYPE 1 JUNCTION BOX WITH NEW TYPE 2 JUNCTION BOX WITH NON-SKID LID AND FRAME PER WSDOT STD PLAN J-40.10-04. MAINTAIN AND PROTECT ALL EXISTING CONDUIT AND ASSOCIATED WIRING UNLESS SPECIFIED. CONTRACTOR TO COORDINATE WITH PSE FOR SERVICE CONNECTION FROM UTILITY POLE 210FT NORTH TO HERE. COORDINATION WITH PSE ONGOING.
- CONSTRUCT FOUNDATION WITH SLIP BASE PER WSDOT STD PLAN J-21.10-04. FURNISH AND INSTALL ONE NEW TYPE 1 POLE, ONE FLASHING BEACON AND ONE R10-15(MOD) SIGN PER WSDOT STD. PLAN J-21.16-01. WIRE FLASHER SUCH THAT IT TURNS ON WHEN HALF SIGNAL IS RED PER WSDOT STD. PLAN J-21.17-01.
- CONSTRUCT FOUNDATION AND CONCRETE LIGHT POLE PER CITY OF MERCER ISLAND STD PLAN IL-1B. FURNISH AND INSTALL 66W LED LUMINAIRE.
- ONCE THE NEW LUMINAIRE IS OPERATIONAL, REMOVE EXISTING LUMINAIRE AND LUMINAIRE POLE.
- FURNISH AND INSTALL NEW TYPE 1 JUNCTION BOX PER WSDOT STD PLAN J-40.10-04.
- INSTALL NEW SIGN POST PER DETAIL ON THE RRFB DETAILS SHEET.
- REMOVE EXISTING RRFB JUNCTION BOX.
- EXISTING UTILITY POLE WITH PSE SERVICE. INSTALL NEW 2" CONDUIT RISER 10' ON THE POLE WITH 45FT WIRE COIL. CONNECT NEW RISER TO EXISTING CONDUIT SYSTEM. INSTALL NEW WIRING INTO NEW RISER AND EXISTING CONDUIT. PROVIDE 25FT RISER AND WEATHER HEAD FOR PSE TO FINISH THE POWER CONNECTION. PROPOSED WIRING TO CONNECT TO NEW SERVICE CABINET APPROXIMATELY 200FT SOUTH. COORDINATION WITH PSE ONGOING.
- REMOVE JUNCTION BOX AND ABANDON CONDUIT.

PHASE DIAGRAM

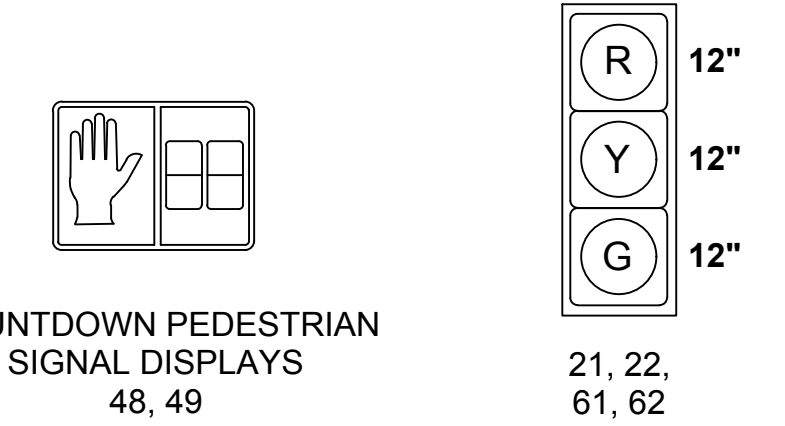


PROTECTED VEHICLE MOVEMENT
 PEDESTRIAN MOVEMENT
 TERMINATE SIGNAL CABLING TO PROVIDE PHASE OPERATION AS SHOWN IN PHASE DIAGRAM

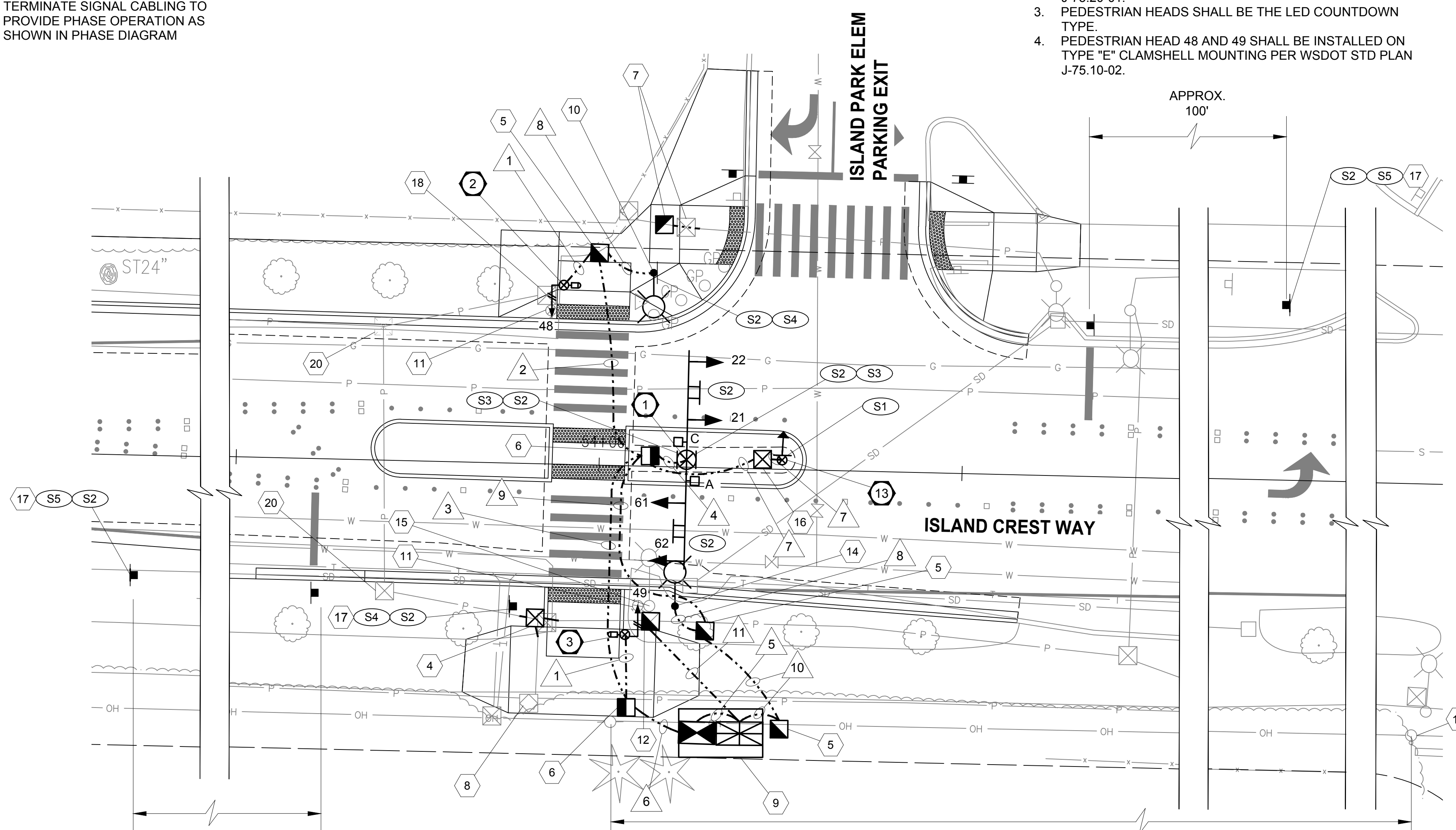
SIGN SCHEDULE:



SIGNAL DISPLAYS:

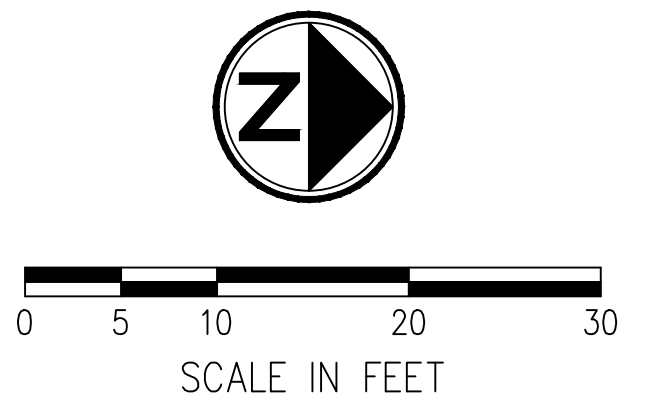


- NOTES:**
- ALL VEHICLE HEADS SHALL BE THE CONVENTIONAL TYPE WITH 12" LENSES AND ALUMINUM VISORS. ALL VEHICLE HEADS SHALL HAVE LED LIGHT SOURCES. ALL VEHICLE HEADS SHALL HAVE 5" ALUMINUM LOUVERED BACKPLATES WITH 1 INCH YELLOW REFLECTIVE STRIP.
 - VEHICLE HEADS 21, 22, 61 AND 62 SHALL BE INSTALLED ON TYPE "M" MOUNTING PER WSDOT STD PLAN J-75.20-01.
 - PEDESTRIAN HEADS SHALL BE THE LED COUNTDOWN TYPE.
 - PEDESTRIAN HEAD 48 AND 49 SHALL BE INSTALLED ON TYPE "E" CLAMSHELL MOUNTING PER WSDOT STD PLAN J-75.10-02.



PREEMPTION SCHEDULE

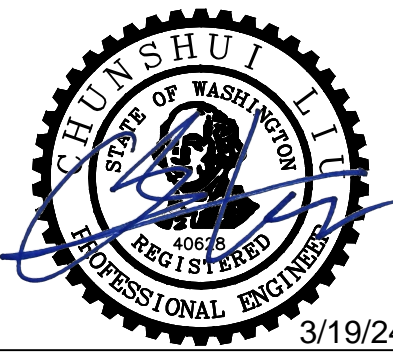
CIRCUIT	PHASE(S)
A	Ø2
B	NOT USED
C	Ø6
D	NOT USED



\\dks-see-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\PHB_Plans.dwg 3/19/2024 4:47 PM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		PHB_Plans.dwg
ENGINEERING MANAGER	DATE	FILENAME CRT 3/19/2024
PROJECT MANAGER	DATE	DESIGNED BY RAS 3/19/2024
PROJECT ENGINEER	DATE	DRAWN BY JXL 3/19/2024
	DATE	CHECKED BY



DKS
 719 Second Ave, Suite 1250
 Seattle, WA 98104
 (206) 382-9800
 www.dksassociates.com

BID DOCUMENT






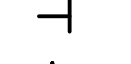
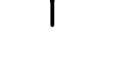


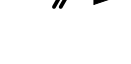







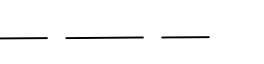

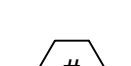
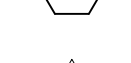


**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

**TRAFFIC SIGNAL PLAN
 ISLAND CREST WAY AND ISLAND PARK
 ELEMENTARY SCHOOL PARKING EXIT**

KPG PROJECT No. 9MER010400 | SHT 26 OF 33

\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\PHB_Plans.dwg 3/19/2024 4:47 PM

LEGEND:

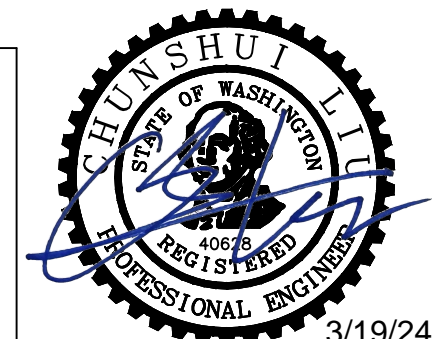
- NEW**
-  LUMINARE
 -  SIGNAL HEAD
 -  FLASHING BEACON
 -  MAST ARM SIGN
 -  POLE MOUNTED SIGN
 -  EMERGENCY VEHICLE PREEMPTION
 -  PEDESTRIAN PUSH BUTTON
 -  PEDESTRIAN SIGNAL HEAD
 -  TYPE II SIGNAL POLE AND MAST ARM
 -  PS POLE
 -  SIGNAL CABINET
 -  SERVICE CABINET
 -  TYPE 1 JUNCTION BOX
 -  TYPE 2 JUNCTION BOX
 -  TYPE 8 JUNCTION BOX
 -  CONDUIT
 -  EXISTING RIGHT OF WAY
 -  POLE NOTE
 -  CONSTRUCTION NOTE
 -  WIRE NOTE
 -  SIGN NOTE

WIRING SCHEDULE

RUN NO	CONDUIT SIZE	VEH/PED 5C	PPB 2CS	FLASHER 2C(SH)	LIGHTING #10	LIGHTING #8	GND #8	EVP 3CS	PWR #6	PWR #3/0	NOTES
1	2"	1	1				1				
2	2"	1	1				1				
	2"					2	1				SPARE
3	2"	3	1	1			1	2			
	2"										SPARE
4	3"	2					1	2			
5	2"								3		
6	3"	4	2	1			1	2			
	3"										SPARE
7	2"			1			1				
8	2"				2		1				
9	2"					2	1				
	2"										SPARE
10	2"					2	1				
11	2"									3	

NO.	DATE	BY	APPR.	REVISIONS

Approved By		PHB_Plans.dwg
		FILENAME
		CRT 3/19/2024
		DESIGNED BY DATE
		RAS 3/19/2024
		DRAWN BY DATE
		JXL 3/19/2024
		CHECKED BY DATE



DKS
 719 Second Ave, Suite 1250
 Seattle, WA 98104
 (206) 382-9800
 www.dksassociates.com

BID DOCUMENT



**CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS**

TRAFFIC SIGNAL WIRING SCHEDULE & LEGEND
 ISLAND CREST WAY AND ISLAND PARK
 ELEMENTARY SCHOOL PARKING EXIT

KPG PROJECT No. 9MER010400 | SHT 27 OF 33

\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\PHB_Plans.dwg 3/19/2024 4:47 PM

LEGEND

- a. VEHICLE DISPLAY
- b. MAST ARM MTD. SIGN
- c. STREET NAME SIGN
- d. PRE-EMPT DETECTOR
- e. POST MTD. SIGN
- f. LUMINAIRE
- g. PEDESTRIAN DISPLAY
- h. TERMINAL CABINET
- i. APS PPB-M
- j. HANDHOLE
- k. VIDEO CAMERA DETECTION

SIGNAL STANDARD IDENTIFICATION TAG DETAIL



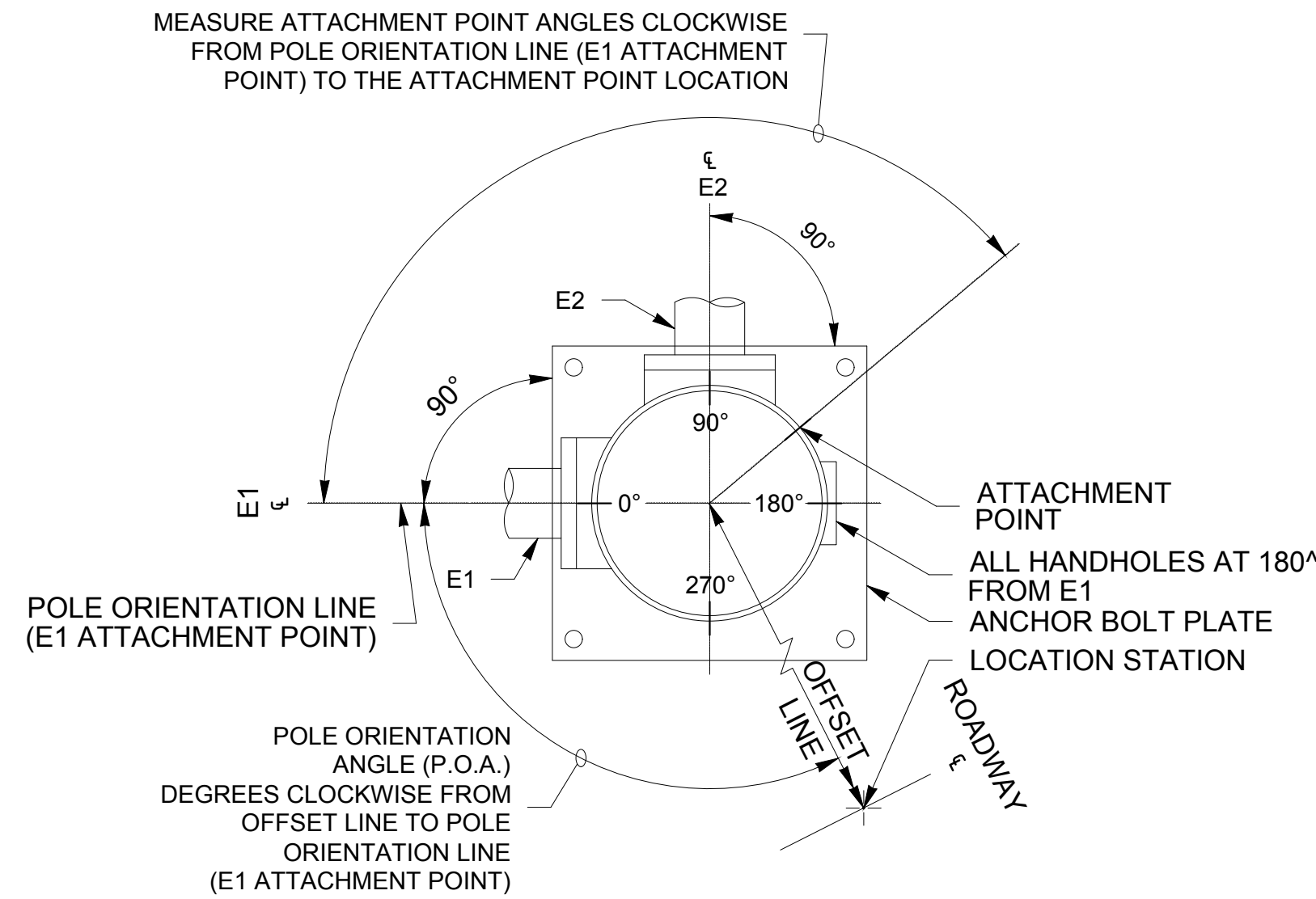
TAG NOTES:
CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS:
- POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III).
- SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) - LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III).
TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

NOTES

- ① MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
- ② FIELD INSTALLED.

③ 1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE

④ FOR POST MOUNTED SIGNS THERE SHALL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN



POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTE:
TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTION: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45 DEGREE INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR A SINGLE PEDESTRIAN DISPLAY.

⑥ 3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON

⑤ PLACEMENT SHALL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)

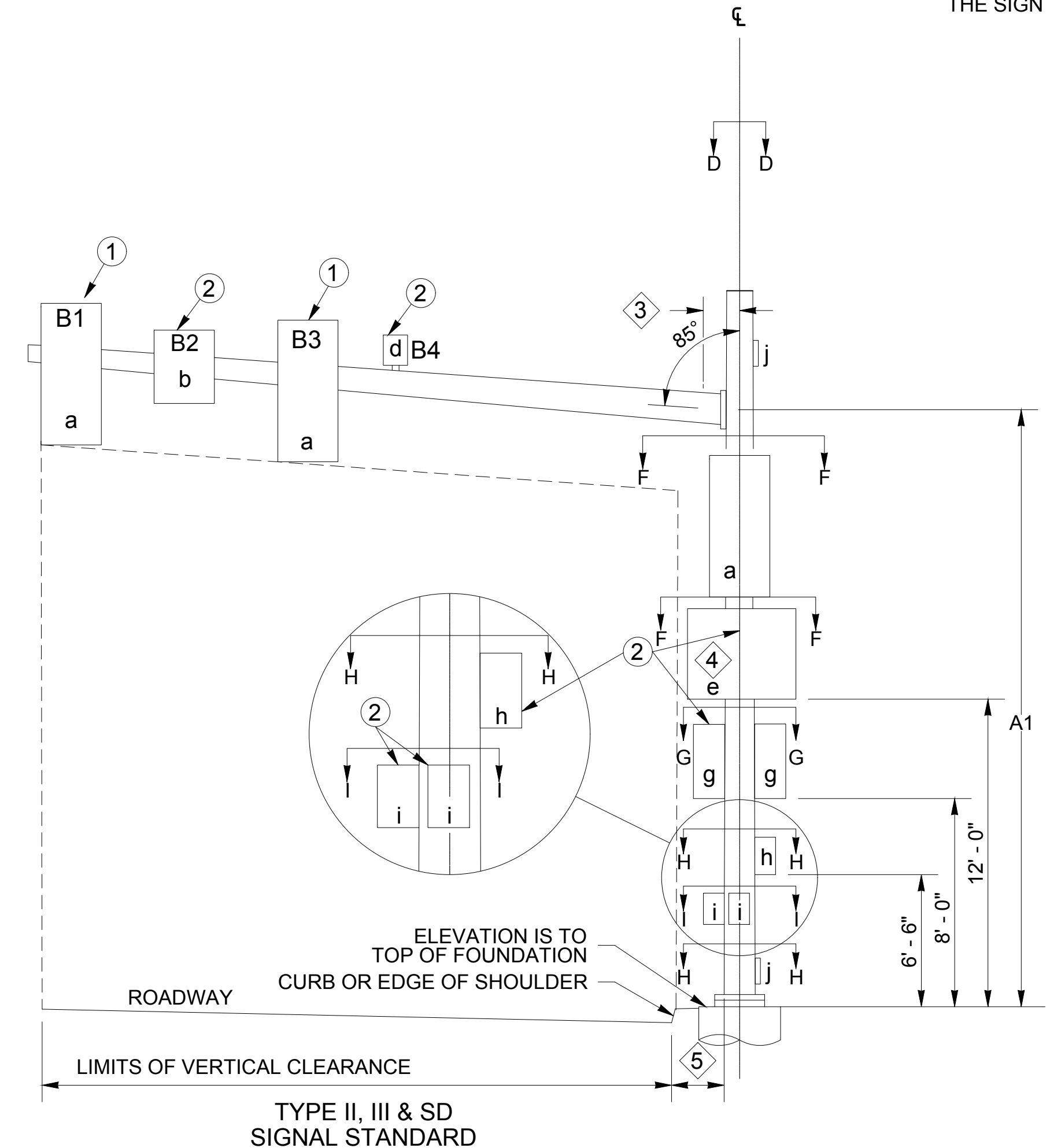
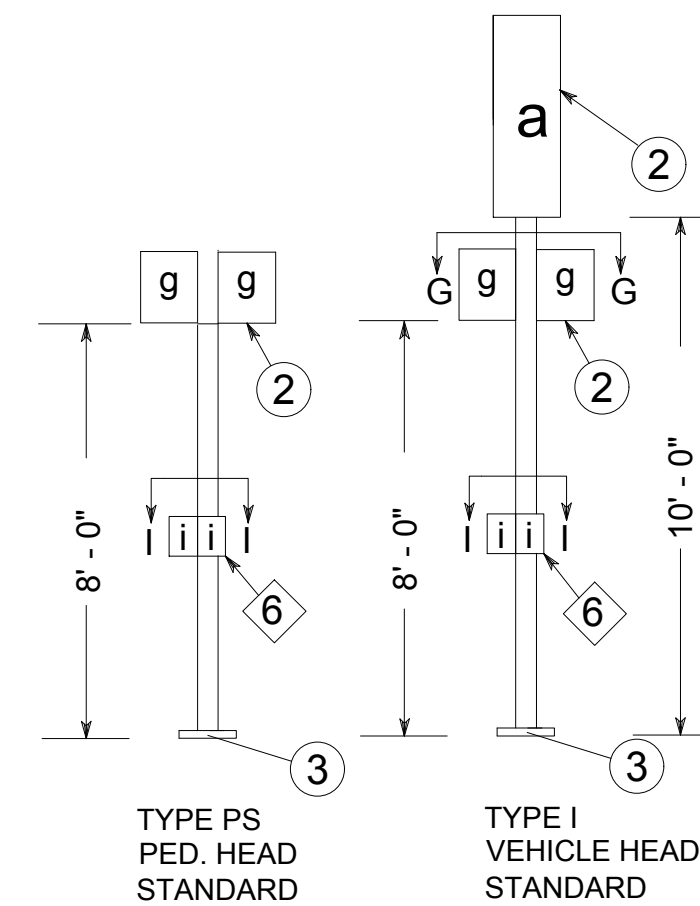
⑦ DMS OR VMS IS NOT ALLOWED ON THESE POLES.

SIGNAL DISPLAY VERTICAL CLEARANCE TO ROADWAY

HORIZONTAL DISTANCE FROM STOP LINE	MIN. MAX.				
	ALL	40'	45'	50'	53' - 180'
3 SECTION 12"	16.5'	17.5'	19.2'	20.9'	22.0'
5 SECTION CLUSTER 12"	16.5'	17.0'	18.0'	19.7'	20.8'
4 SECTION 12"	16.5'	17.0'	17.5'	18.5'	19.6'

MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING TO ROADWAY

STANDARD TYPE	STANDARD PLAN REFERENCES			
	POLE	FOUNDATION STANDARD	CURB	ELECTRICAL
PS	J-20.16	J-21.10	J-20.11	J-20.20
I	J-21.15	J-21.10	J-20.11	J-21.17
II, III, SD	N/A	J-26.10, J-26.15	N/A	N/A



SIGNAL STANDARD DETAIL CHART

STD. No. #	FIELD LOCATION					POLE TYPE	SIGNAL MAST ARM DATA							LUMINAIRE ARM (FT) C	CALCULATED POLE XYZ (FT³) **	POLE ATTACHMENT POINT ANGLES (DEGREES)								FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	FOUNDATION DEPTH (FT)						REMARKS
							OFFSETS (FT) (Z) (POLE TO ATTACHMENT POINT)				WINDLOAD AREAS (FT²) (X)(Y)					Φ ANGLES (DEGREES)										ALTERNATE 1		ALTERNATE 2				
	STATION	OFFSET	LT.	RT.	ELEV. *		P.O.A.	A1	A2	B1	B2	B3	B4			B1	B2	B3	D	E1	E2	F	G1			G2	H	I1	I2	3' RD.	3' SQ.	
1	54+12.0	1.0	X		0	II	15		13.5	9.5	5.5	2.5	9.2	9	9.2	535	0	180			270			900	1000	10	8	8	10	8	E2, SOUTHBOUND ARM E1, NORTHBOUND ARM	
							15		14	10	6	3	9.2	9	9.2																	
2	53+94.6	24.7	X			PS																										
3	54+04.2	23.5	X			PS																										
13	54+23.9	1.3	X			I																										

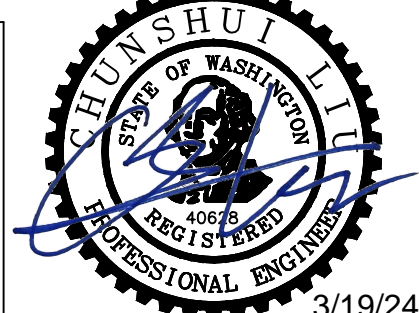
* ELEVATION IS TO TOP OF FOUNDATION. FIELD VERIFY ELEVATION PRIOR TO ORDERING SIGNAL STANDARDS. IF NO ELEVATION SHOWN, ELEVATION SHALL MATCH TOP OF SIDEWALK OR ROAD SHOULDER AS APPLICABLE.

**CALCULATED POLE XYZ (FT³) IS THE SUM OF THE TOTAL XYZ (FT³) FOR THE SIGNAL ARM AND THE XYZ (FT³) FOR THE LUMINAIRE ARM (IF PRESENT).

*** POLE ATTACHMENT ANGLE FOR TYPE PS AND TYPE 1 POLES DUE NORTH TO BE ZERO

NO.	DATE	BY	APPR.	REVISIONS

Approved By		PHB_Plans.dwg
ENGINEERING MANAGER	DATE	FILENAME CRT 3/19/2024
PROJECT MANAGER	DATE	DESIGNED BY RAS 3/19/2024
PROJECT ENGINEER	DATE	DRAWN BY JXL 3/19/2024
	DATE	CHECKED BY DATE



DKS
719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

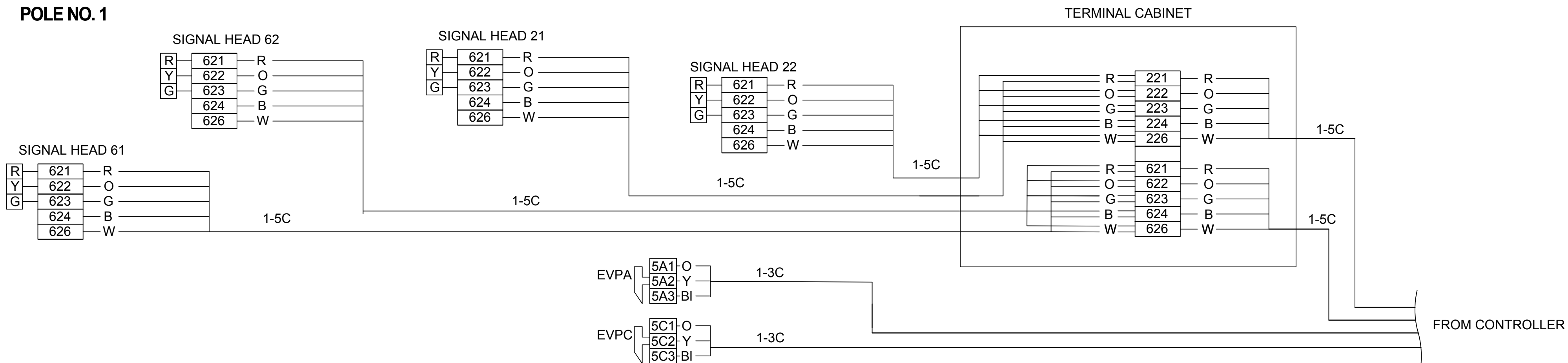
BID DOCUMENT



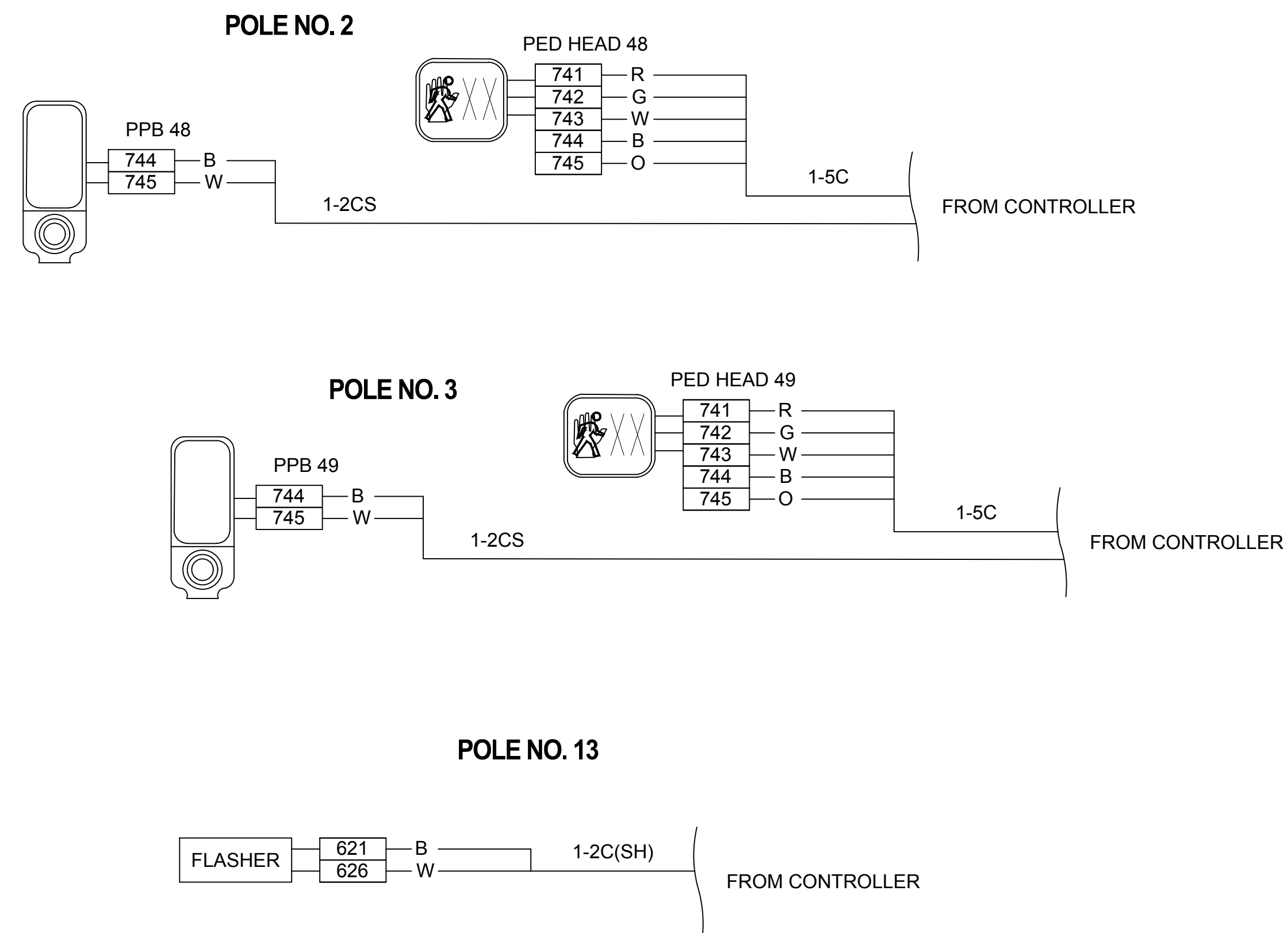
**CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS**

TRAFFIC SIGNAL POLE SCHEDULE
ISLAND CREST WAY AND ISLAND PARK
ELEMENTARY SCHOOL PARKING EXIT
KPG PROJECT No. 9MER010400 | SHT 28 OF 33

FIELD WIRE TERMINATIONS ONLY NEW WIRING SHOWN



CONTROLLER TERMINATIONS



VEHICLE SIGNAL DISPLAYS			PEDESTRIAN SIGNAL DISPLAYS		
611		Ø1	721		Ø2
612			722		
613			723		
614			741	Ø4, 49	Ø4
616			742		
R 621	Ø	21, 22, FLASHER	743		
O 622	Ø		761		Ø6
G 623	Ø		762		
B 624			763		
W 626	Ø		781		
631		Ø3	782		Ø8
632			783		
633					
634					
636					
641					
642		Ø4			
643					
644					
645					
651					
652					
653		Ø5			
654					
656					
R 661	Ø	61, 62.	724		Ø2
O 662	Ø		725		
G 663	Ø		B 744	Ø4, 49	Ø4
B 664			745		
W 666	Ø		764		Ø6
671			765		
672			784		Ø8
673		Ø7	785		
674					
676					
681					
682		Ø8			
683					
684					
685					

PEDESTRIAN PUSHBUTTONS			
B	744	Ø4, 49	Ø4
W	745		
	764		Ø6
	765		
	784		Ø8
	785		

EVP'S			
O	5A1/5C1	A, C	Ø2, Ø6
Y	5A2	A	Ø2
Y	5C2	C	Ø6
B	5A3/5C3	A, C	Ø2, Ø6
	5B1/5D1		
	5B2		
	5D2		
	5B3/5D3		

\\dks-seo-001\Company\p\Projects\23\23064-000 Island Crest Way Corridor Analysis & Design_SE 68th St to 90th Ave SE (sub to KFC)\03 Design\04 CAD\PHB_Plans.dwg 3/19/2024 4:47 PM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		PHB_Plans.dwg
ENGINEERING MANAGER	DATE	CRT 3/19/2024
PROJECT MANAGER	DATE	RAS 3/19/2024
PROJECT ENGINEER	DATE	JXL 3/19/2024
	CHECKED BY	DATE



DKS

719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

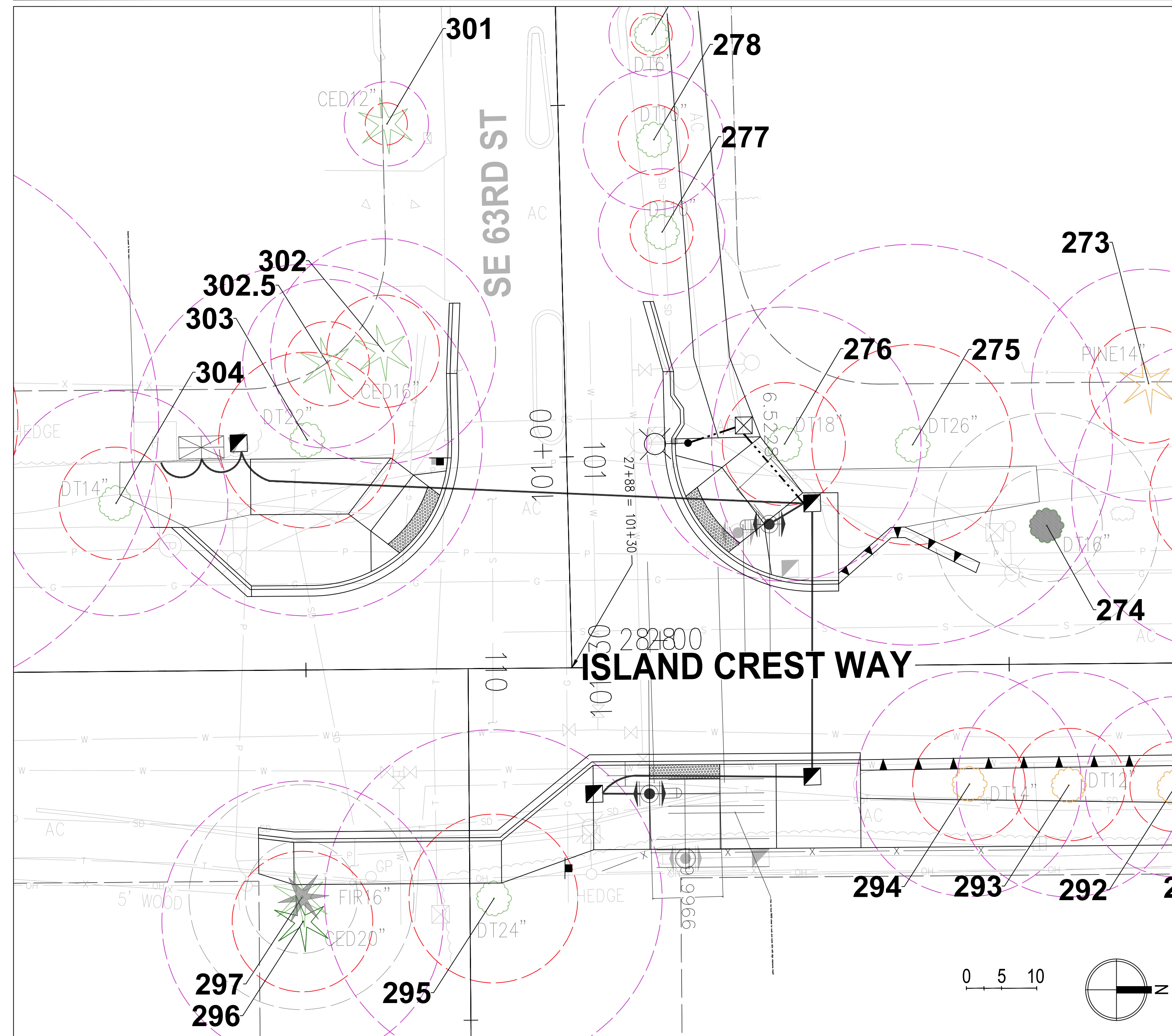
**BID
DOCUMENT**



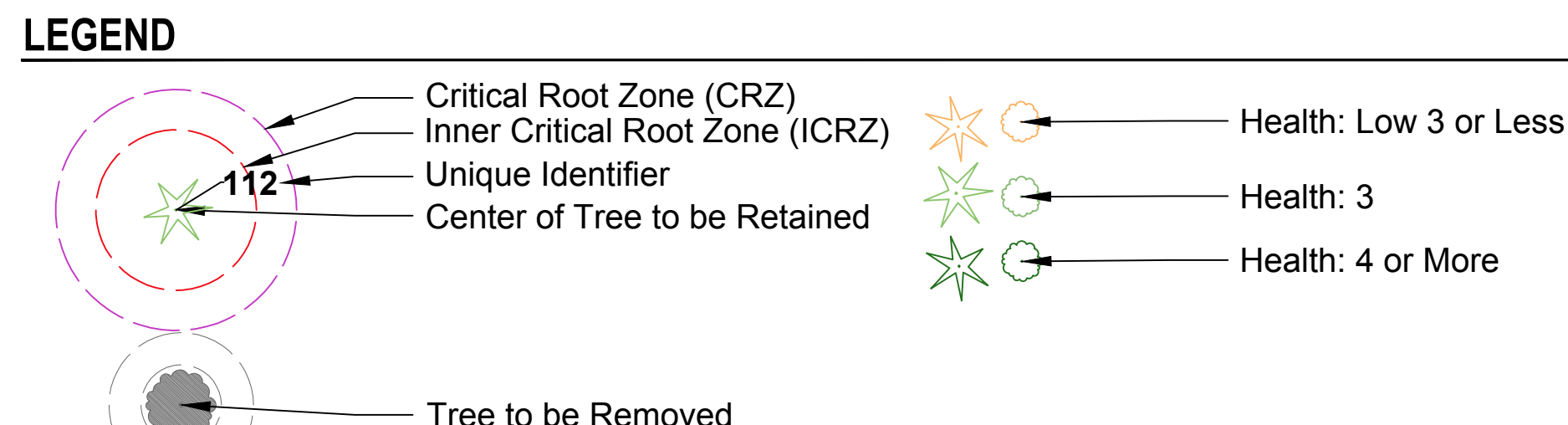
CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

WIRING & TERMINATION DIAGRAM
ISLAND CREST WAY AND ISLAND PARK
ELEMENTARY SCHOOL PARKING EXIT

SE 63RD CROSSWALK



NOTE
 ISA defines **Critical Root Zone (CRZ)** as the distance from the trunk that equals one foot for every inch of the tree's diameter.
Inner Critical Root Zone (ICRZ) is half the CRZ. Both these units of measure are used to visualize and evaluate the extent of impacts.



TREE INVENTORY TABLE

Unique Identifier	Latin Name	Common Name	DBH (in)	Retain/Remove	Tree Health	Location	Class	Notes	Root Pruning
273	Pinus sylvestris	Scotch Pine	16.5	Retain	2	ROW	Exceptional	Exposed on one side-canopy in decline, but okay for species	
274	Quercus robur	English oak	16	Remove	3	ROW	Exceptional	Slated for removal due to sight-line interference	
275	Quercus robur	English oak	28.5	Retain	3	ROW	Exceptional	Some limb loss, large structural limbs	
276	Quercus robur	English oak	19.5	Retain	3	ROW	Exceptional	Some limb loss	
277	Acer rubrum	Red maple	9	Retain	3	ROW	Small	Narrow branching with the varietal -mechanical damage on west side	Yes
278	Acer rubrum	Red Maple	10	Retain	3	ROW	Large		Yes
292	Quercus robur	English oak	12.8	Retain	3	ROW	Exceptional	Power line interference and pruning, low 3, 30% live crown ratio	
293	Quercus robur	English oak	14.4	Retain	2	ROW	Exceptional	Topped due to line interference	
294	Quercus robur	English oak	16.2	Retain	2	ROW	Exceptional	Topped due to line interference, sprouting at heading cuts	
294	Quercus robur	English oak	16	Retain	3	ROW	Exceptional	Little interference with power lines	
295	Platanus occidentalis	American sycamore	24	Retain	3	ROW	Exceptional	Pruned to reduce conflict with power lines	
296	Thuja plicata	Western red cedar	20	Retain	4	Private	Large		
297	Tsuga heterophylla	Western Hemlock	16	Remove	2	ROW	Large	In-decline, topped to reduce power line interference	
301	Chamaecyparis obtusa	Hinoki Cypress	12	Retain	3	ROW	Large		
302	Chamaecyparis lawsoniana	Lawsons False Cypress	16	Retain	3	ROW	Large		
302.5	Thuja plicata	Western red cedar	12	Retain	3	ROW	Large		
303	Platanus occidentalis	American sycamore	25	Retain	3	ROW	Exceptional	Low canopy	
304	Platanus occidentalis	American sycamore	16	Retain	3	ROW	Exceptional	Power line interference as it crosses the road	

VIGOR/NOTES - RELATIVE CONDITION OF TREES¹

Rating	Overall Vigor	Canopy Density	Amount of Deadwood	History of Failure	Pests	Extent of Decay
1	Severe Decline	<20%	Large; Major Scaffold Branches	More than One Scaffold	Infested	Major-Conks & Cavities
2	Low	20-60%	Twig & Branch Dieback	Scaffold Branches	Infestation of Significant Pests	One to a Few Conks; Small Cavities
3	Good	60-90%	Small Twigs	Small Branches	Minor	Present at Pruning Wounds
4	Excellent	90-100%	Little or None	None	Minor	Present at Pruning Wounds

¹ ADAPTED FROM MATHENY, N.P. & CLARK, J.R. TREES AND DEVELOPMENT: A TECHNICAL GUIDE TO PRESERVATION OF TREES DURING LAND DEVELOPMENT. BRIGHT SPARKS, 1998

NOTE: Refer to Table 2 - Tree Inventory of the Arborist Memo for Further Tree Information.

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



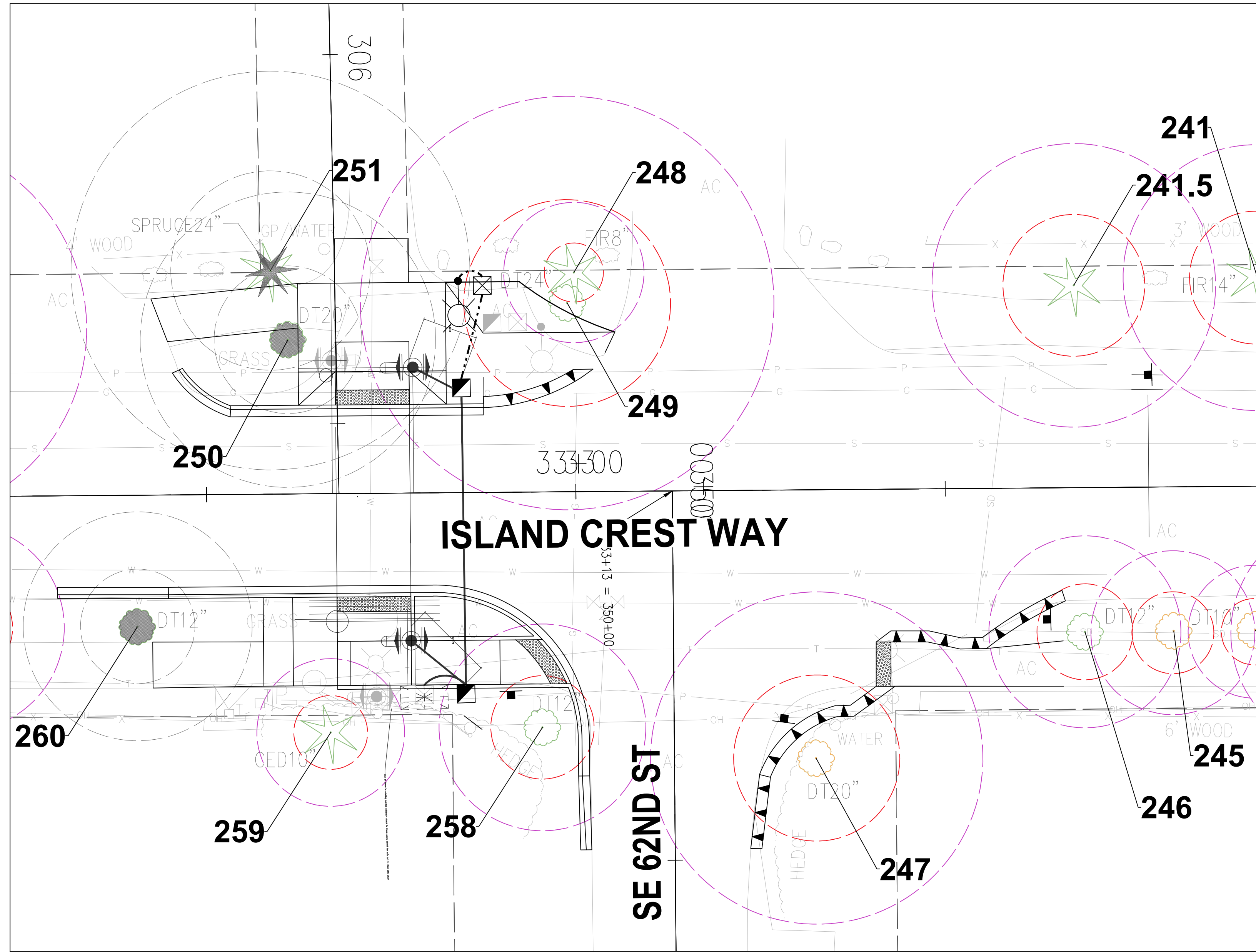
BID DOCUMENT



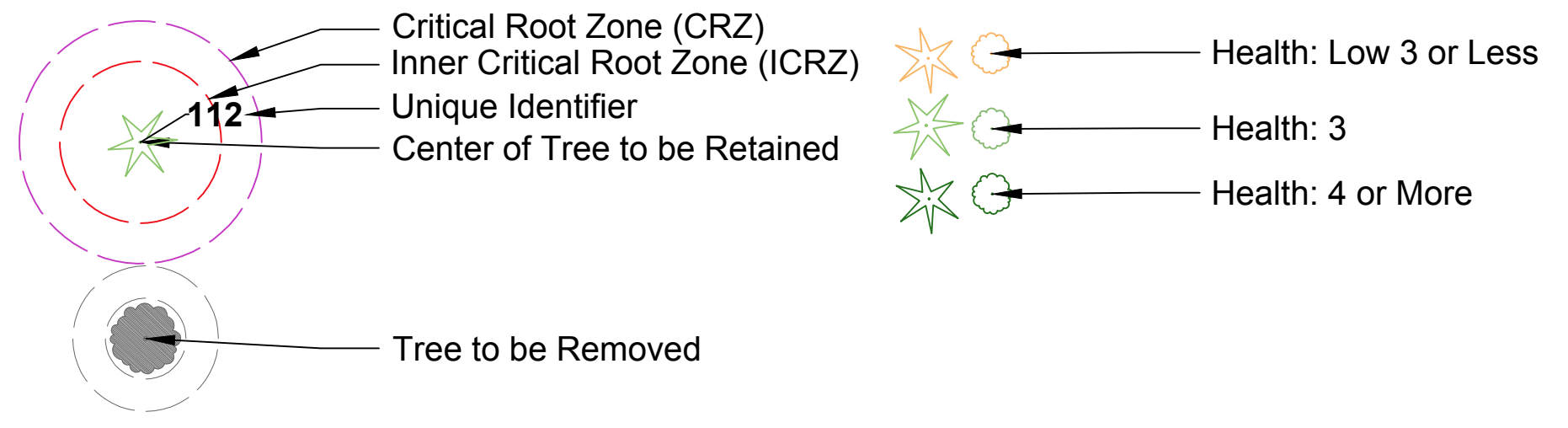
CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS

TREE RETENTION PLAN

STEVENS ON PROPERTY TRAIL CROSSWALK



LEGEND



NOTE
 ISA defines **Critical Root Zone (CRZ)** as the distance from the trunk that equals one foot for every inch of the tree's diameter. **Inner Critical Root Zone (ICRZ)** is half the CRZ. Both these units of measure are used to visualize and evaluate the extent of impacts.

TREE INVENTORY TABLE

Unique Identifier	Latin Name	Common Name	DBH (in)	Retain/Remove	Tree Health	Location	Class	Notes	Root Pruning
241	Pseudotsuga menziesii	Douglas fir	18	Retain	3	ROW	Exceptional		
241.5	Pseudotsuga menziesii	Douglas fir	19.2	Retain	3	ROW	Exceptional		
245	Quercus robur	English oak	11.1	Retain	2	ROW	Exceptional	Power line interference and pruning	
246	Quercus robur	English oak	13	Retain	3	ROW	Exceptional	Pruned to reduce conflict with power lines	
247	Quercus robur	English oak	22.5	Retain	2	ROW	Exceptional	Interference with power lines, sprouting from cuts	
248	Pseudotsuga menziesii	Douglas fir	9.5	Retain	3	ROW	Exceptional		
249	Platanus occidentalis	American sycamore	28	Retain	3	ROW	Exceptional	Heavily impacted by crosswalk design	
250	Platanus occidentalis	American sycamore	20	Remove	3	ROW	Exceptional	10 degree lean toward roadway, in sight triangle for crosswalk	
251	Picea sitchensis	Sitka spruce	27	Remove	3	ROW	Exceptional	Heavily impacted by crosswalk design	
258	Platanus occidentalis	American sycamore	14	Retain	3	ROW	Exceptional	Power line interference and pruning	
259	Thuja plicata	Western red cedar	10	Retain	4	Private	Large	Not topped, no signs of decline	
260	Platanus occidentalis	American sycamore	15.5	Remove	3	ROW	Exceptional	Canopy needs raising over sidewalk, no interference with power lines	

VIGOR/NOTES - RELATIVE CONDITION OF TREES¹

Rating	Overall Vigor	Canopy Density	Amount of Deadwood	History of Failure	Pests	Extent of Decay
1	Severe Decline	<20%	Large; Major Scaffold Branches	More than One Scaffold	Infested	Major-Conks & Cavities
2	Low	20-60%	Twig & Branch Dieback	Scaffold Branches	Infestation of Significant Pests	One to a Few Conks; Small Cavities
3	Good	60-90%	Small Twigs	Small Branches	Minor	Present at Pruning Wounds
4	Excellent	90-100%	Little or None	None	Minor	Present at Pruning Wounds

¹ ADAPTED FROM MATHENY, N.P. & CLARK, J.R. TREES AND DEVELOPMENT: A TECHNICAL GUIDE TO PRESERVATION OF TREES DURING LAND DEVELOPMENT. BRIGHT SPARKS, 1998

NOTE: Refer to Table 2 - Tree Inventory of the Arborist Memo for Further Tree Information.

/Users/tsmcc/Documents/.../Arborist_ICW_Mercer_Island/05_CAD/X9MER010600ARBORIST.dwg 3/20/2024 9:47 AM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		X9MER010600ARBORIST.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE



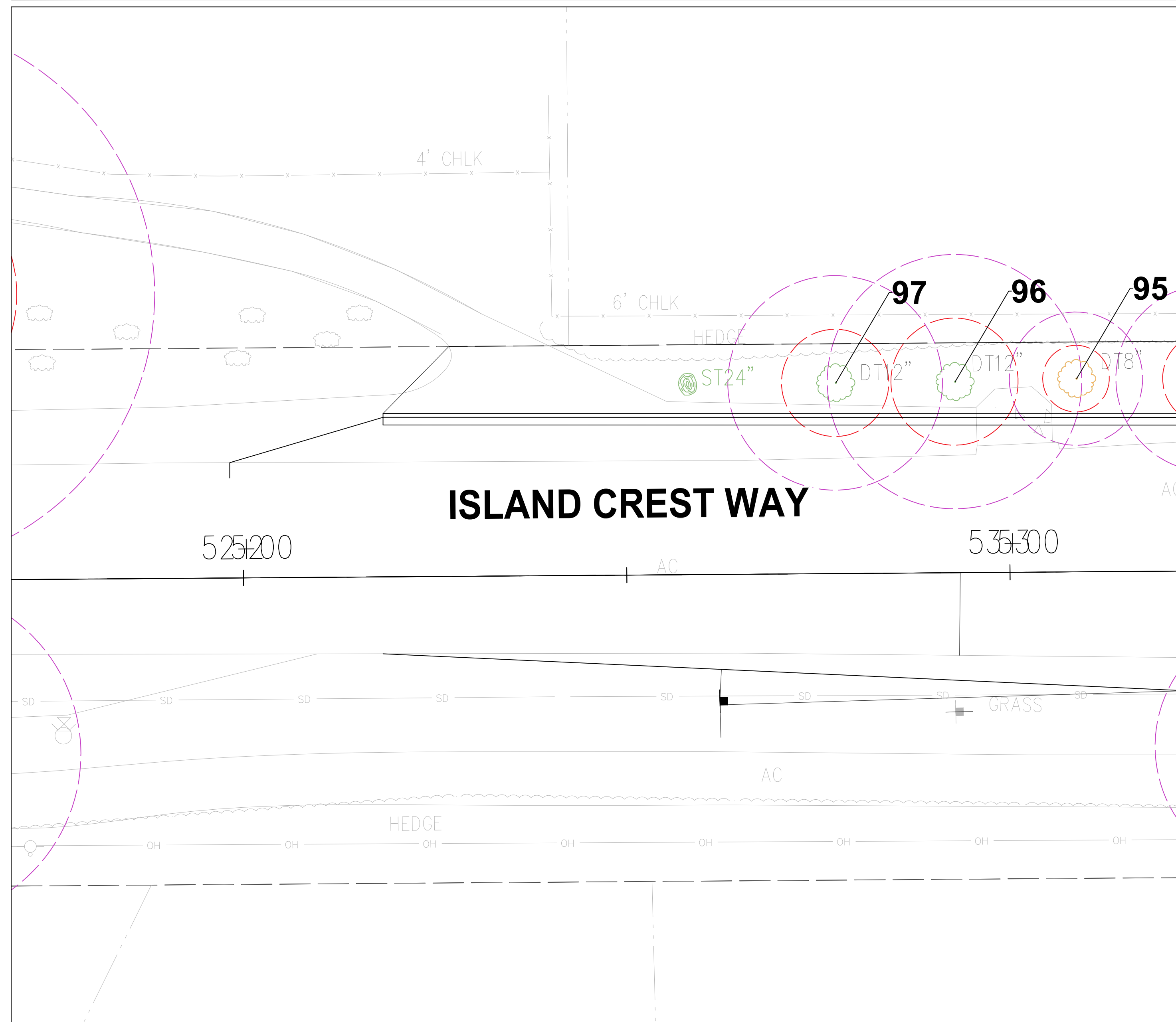
BID DOCUMENT



CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS

TREE RETENTION PLAN

ISLAND PARK ELEMENTARY SCHOOL CROSSWALK



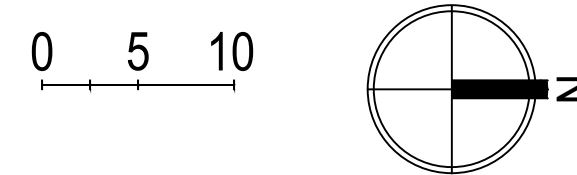
TREE INVENTORY TABLE

Unique Identifier	Latin Name	Common Name	DBH (in)	Retain/Remove	Tree Health	Location	Class	Notes	Root Pruning
95	Quercus robur	English oak	8.7	Retain	2	ROW	Exceptional	Small 15' tree, not thriving	
96	Quercus robur	English oak	16.6	Retain	3	ROW	Exceptional	Some canopy dieback, 45' tall	
97	Quercus robur	English oak	14	Retain	3	ROW	Exceptional	40' tall tree, canopy to east and west. Canopy over roadway needs to be raised	

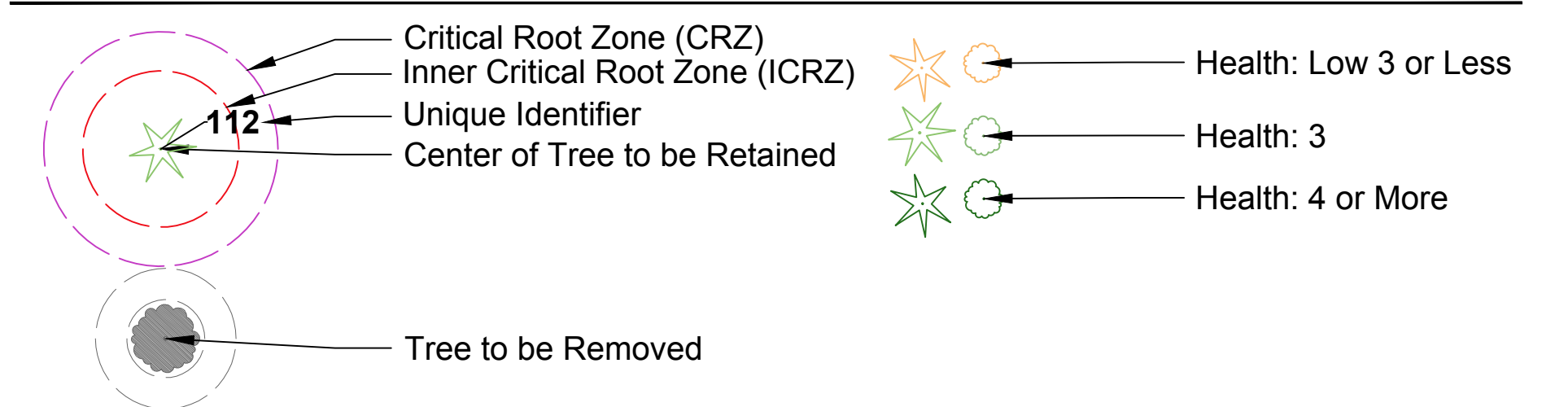
VIGOR/NOTES - RELATIVE CONDITION OF TREES¹

Rating	Overall Vigor	Canopy Density	Amount of Deadwood	History of Failure	Pests	Extent of Decay
1	Severe Decline	<20%	Large; Major Scaffold Branches	More than One Scaffold	Infested	Major-Conks & Cavities
2	Low	20-60%	Twig & Branch Dieback	Scaffold Branches	Infestation of Significant Pests	One to a Few Conks; Small Cavities
3	Good	60-90%	Small Twigs	Small Branches	Minor	Present at Pruning Wounds
4	Excellent	90-100%	Little or None	None	Minor	Present at Pruning Wounds

¹ ADAPTED FROM MATHENY, N.P. & CLARK, J.R. TREES AND DEVELOPMENT: A TECHNICAL GUIDE TO PRESERVATION OF TREES DURING LAND DEVELOPMENT. BRIGHT SPARKS, 1998



LEGEND



NOTE
 ISA defines **Critical Root Zone (CRZ)** as the distance from the trunk that equals one foot for every inch of the tree's diameter.
Inner Critical Root Zone (ICRZ) is half the CRZ. Both these units of measure are used to visualize and evaluate the extent of impacts.

NOTE: Refer to Table 2 - Tree Inventory of the Arborist Memo for Further Tree Information.

/Users/tsmcc/Documents/_Clients/KPG/Arborist ICW Mercer Island/05 CAD/X9MER010600ARBORIST.dwg 3/20/2024 9:47 AM

NO.	DATE	BY	APPR.	REVISIONS

Approved By		X9MER010600ARBORIST.dwg	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE



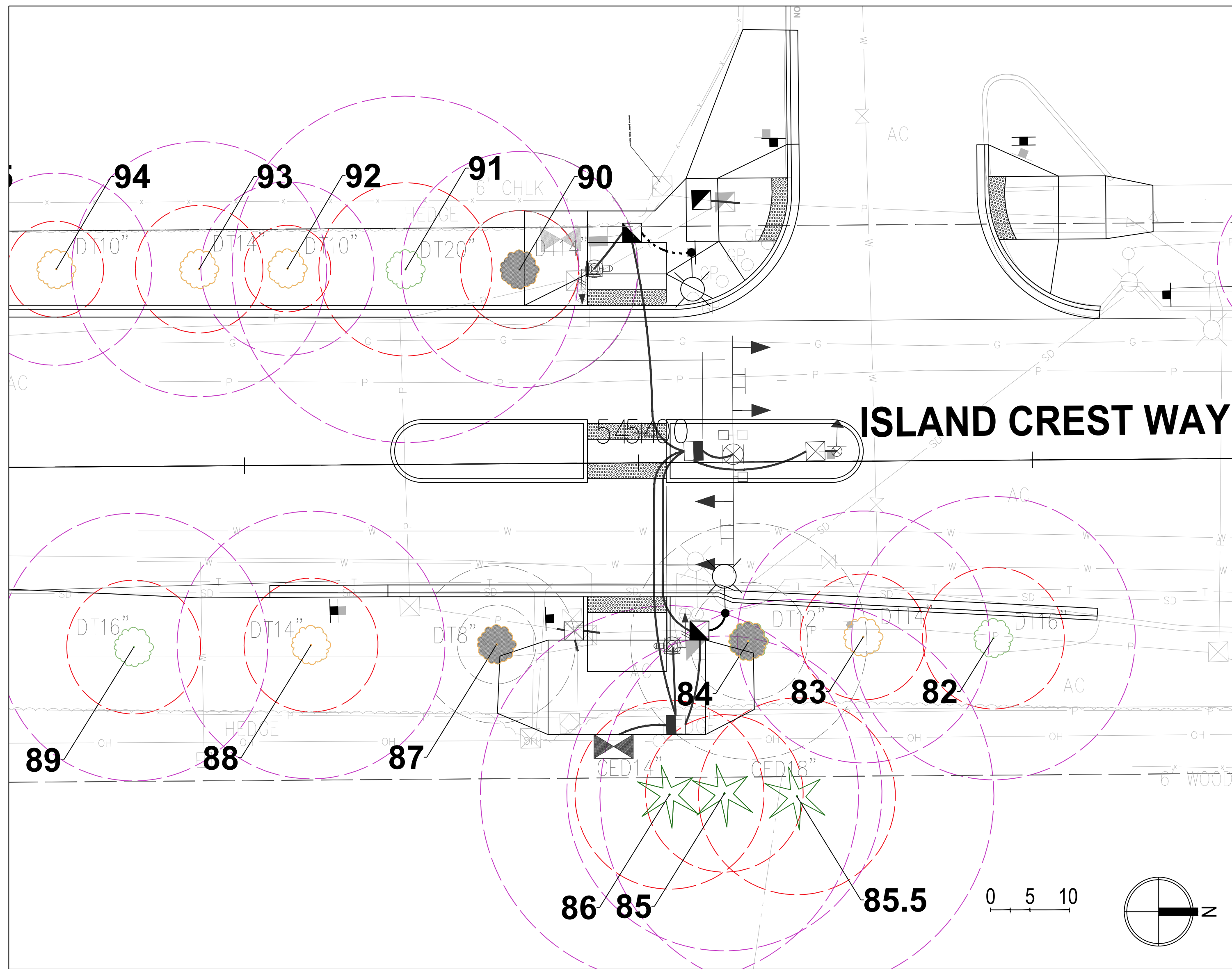
BID DOCUMENT



CITY OF MERCER ISLAND
 ISLAND CREST WAY
 CROSSWALK IMPROVEMENTS

TREE RETENTION PLAN

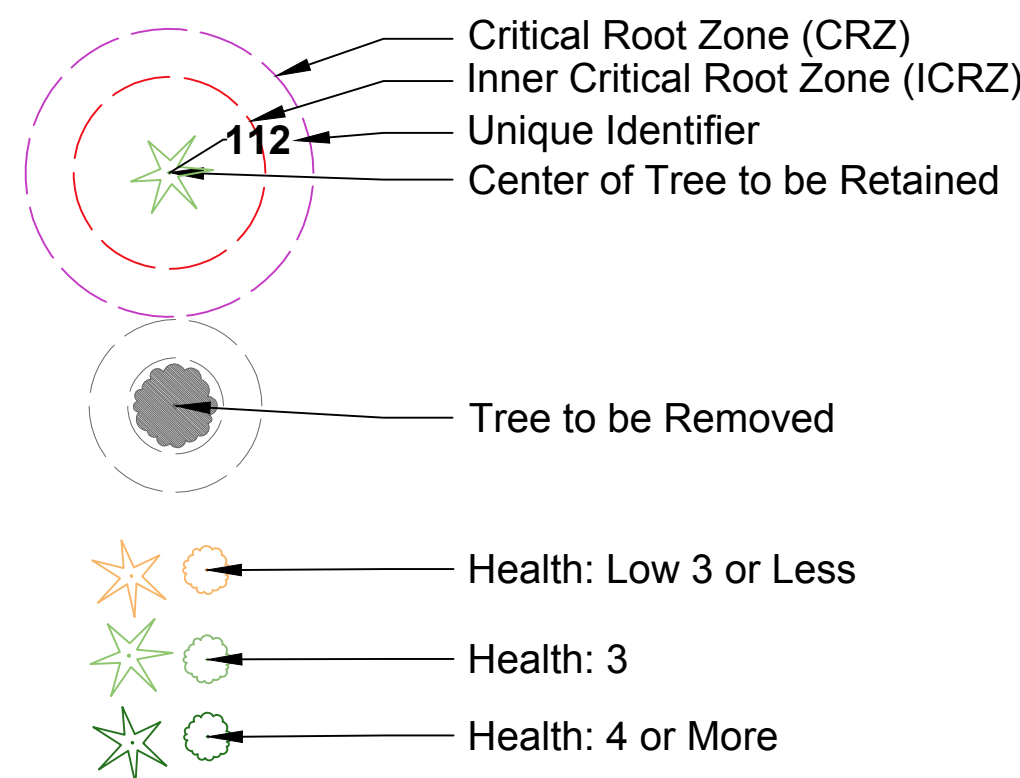
ISLAND PARK ELEMENTARY SCHOOL CROSSWALK



TREE INVENTORY TABLE

Unique Identifier	Latin Name	Common Name	DBH (in)	Retain/Remove	Tree Health	Location	Class	Notes	Root Pruning
82	Quercus robur	English oak	18	Retain	3	ROW	Exceptional	Needs canopy raising	Yes
83	Quercus robur	English oak	16	Retain	2	ROW	Exceptional	Lower branches from side of trunk. Lichen extensive throughout trunk of tree.	Yes
84	Quercus robur	English oak	15	Remove	2	ROW	Exceptional	See 89 - lichen on trunk - conflict with the light fixture - narrow top showing extra environmental stress.	Yes
85	Thuja plicata	Western red cedar	20	Retain	4	Private	Exceptional		
85.5	Thuja plicata	Western red cedar	25	Retain	4	Private	Exceptional		
86	Thuja plicata	Western red cedar	24	Retain	4	Private	Exceptional		
87	Quercus robur	English oak	10	Remove	2	ROW	Exceptional	Poor health and stressed. Aging tree in conflict with sidewalk power lines and roadway - showing low viability- potential removal	
88	Quercus robur	English oak	17	Retain	2	ROW	Exceptional	Showing shear stress along the trunk from 7' up to 18', Aging tree in conflict with sidewalk power lines and roadway	Yes
89	Quercus robur	English oak	17	Retain	3	ROW	Exceptional	Aging tree in conflict with sidewalk power lines and roadway, 5 degree lean to the west minor buckling of sidewalk, pruned for utility interference	Yes
90	Quercus robur	English oak	15	Remove	2	ROW	Exceptional	Evidence of mechanical damage, included bark, decay, good CODIT. Mechanical damage at base - a bit more die-back than other trees 20%	
91	Quercus robur	English oak	22	Retain	3	ROW	Exceptional		
92	Quercus robur	English oak	11	Retain	2	ROW	Exceptional	Small canopy, 35' tall	
93	Quercus robur	English oak	16.2	Retain	2	ROW	Exceptional	Predominant canopy to east and west, 40' tall	
94	Quercus robur	English oak	12.2	Retain	2	ROW	Exceptional	Predominant canopy to south and west, ovoid trunk with some signs of shear stress.	

LEGEND



NOTE
ISA defines **Critical Root Zone (CRZ)** as the distance from the trunk that equals one foot for every inch of the tree's diameter.
Inner Critical Root Zone (ICRZ) is half the CRZ. Both these units of measure are used to visualize and evaluate the extent of impacts.

VIGOR/NOTES - RELATIVE CONDITION OF TREES¹

Rating	Overall Vigor	Canopy Density	Amount of Deadwood	History of Failure	Pests	Extent of Decay
1	Severe Decline	<20%	Large; Major Scaffold Branches	More than One Scaffold	Infested	Major-Conks & Cavities
2	Low	20-60%	Twig & Branch Dieback	Scaffold Branches	Infestation of Significant Pests	One to a Few Conks; Small Cavities
3	Good	60-90%	Small Twigs	Small Branches	Minor	Present at Pruning Wounds
4	Excellent	90-100%	Little or None	None	Minor	Present at Pruning Wounds

¹ ADAPTED FROM MATHENY, N.P. & CLARK, J.R. TREES AND DEVELOPMENT: A TECHNICAL GUIDE TO PRESERVATION OF TREES DURING LAND DEVELOPMENT. BRIGHT SPARKS, 1998

NOTE: Refer to Table 2 - Tree Inventory of the Arborist Memo for Further Tree Information.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		X9MER010600ARBORIST.dwg FILENAME	
ENGINEERING MANAGER	DATE	DESIGNED BY	DATE
PROJECT MANAGER	DATE	DRAWN BY	DATE
PROJECT ENGINEER	DATE	CHECKED BY	DATE



BID DOCUMENT



CITY OF MERCER ISLAND
ISLAND CREST WAY
CROSSWALK IMPROVEMENTS

TREE RETENTION PLAN