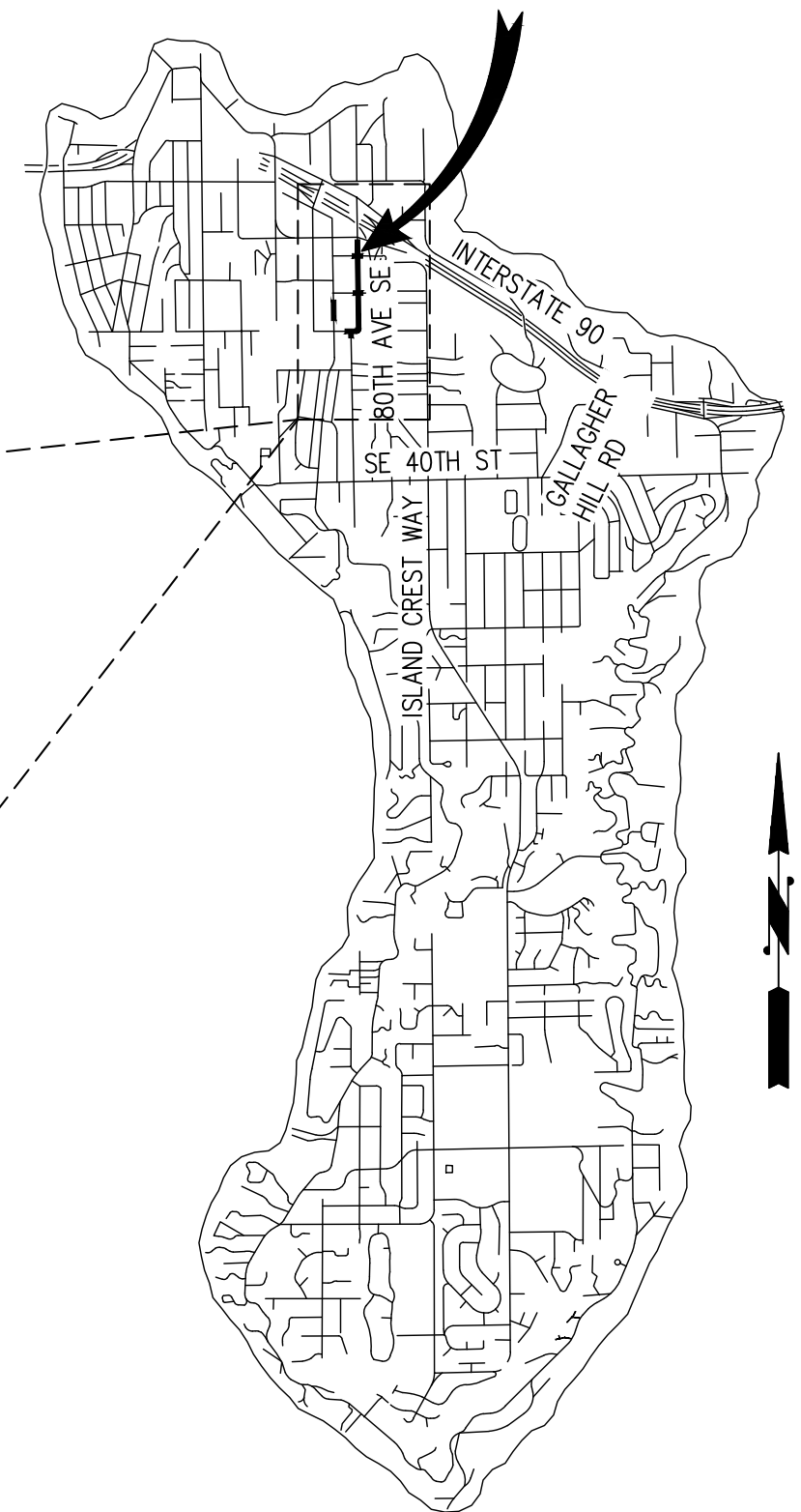




CITY OF MERCER ISLAND

80TH AVE SE PEDESTRIAN IMPROVEMENTS SE 32ND STREET TO SE 27TH STREET JUNE 2024

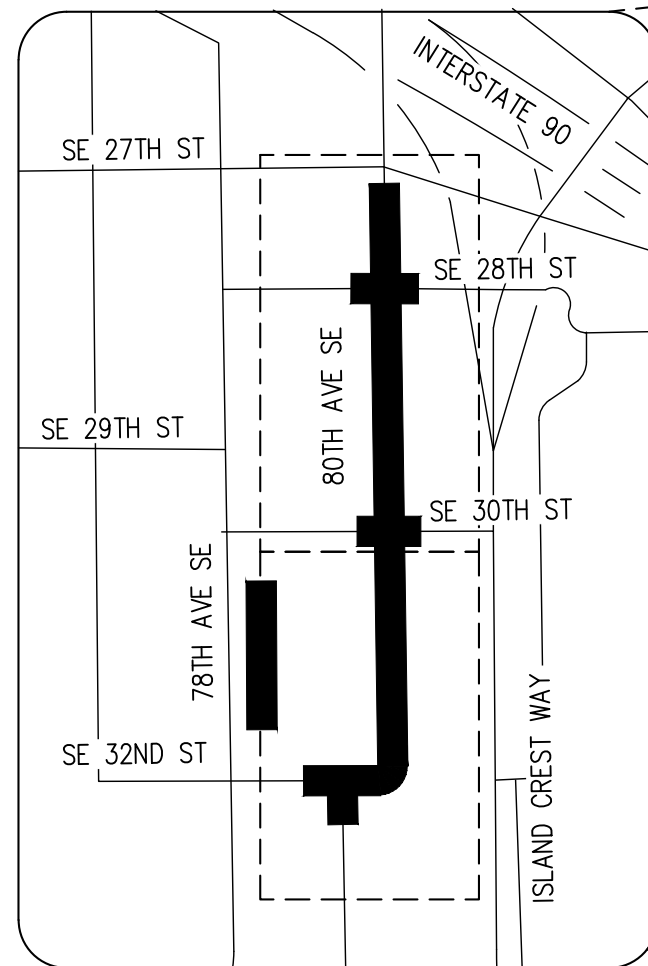
PROJECT
LOCATION



SCHEDULE OF DRAWINGS

| SHEET | DRAWINGS |
|-------|---------------------------------|
| 1 | COVER SHEET |
| 2 | LEGEND & ABBREVIATIONS |
| 3 | SURVEY CONTROL & ALIGNMENT DATA |
| 4 | TYPICAL SECTIONS |
| 5-6 | DETAILS |
| 7-10 | SITE PREPARATION & TESC PLAN |
| 11-16 | SIDEWALK PLAN & PROFILE |
| 17-24 | CURB RAMP DETAILS |
| 25-26 | STAIR PLAN & PROFILE |
| 27 | DRIVEWAY SCHEDULE & DETAILS |
| 28-30 | DRIVEWAY PLAN & PROFILE |
| 31-37 | ILLUMINATION PLAN |
| 38-39 | LANDSCAPE SCHEDULE & DETAILS |
| 40-43 | LANDSCAPE PLAN |
| 44-46 | MODULAR SOIL CELL DETAILS |

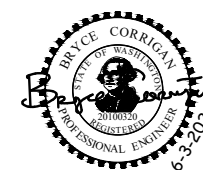
CITY PROJECT NUMBER: SP0111(24-27)



VICINITY MAP
NOT TO SCALE

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

BID
DOCUMENTS



EXISTING LEGEND

| | | | | |
|-----|---|--------------------------|----|-------------------------------------|
| MIC | ● | MONUMENT IN CASE | TV | TV RISER |
| | ○ | MONUMENT CASE LID | TV | TV VAULT LID |
| | △ | PK NAIL | ⊞ | GAS VALVE |
| RC | ○ | REBAR & CAP | ⊞ | WATER VALVE |
| | ⊗ | SPOT SHOT (DESCRIBED) | ⊞ | WATER METER |
| | □ | CATCH BASIN | ⊞ | WATER MANHOLE |
| | ⊞ | STORM DRAIN MANHOLE | ⊞ | WATER VAULT LID |
| SD | ○ | STORM DRAIN CLEAN-OUT | ⊞ | FIRE HYDRANT |
| | ○ | SEWER MANHOLE | ⊞ | BLOW-OFF |
| | ⊞ | POWER MANHOLE | ⊞ | FIRE DEPARTMENT CONNECT |
| | P | POWER VAULT LID | ⊞ | HOSE BIB |
| | △ | POWER TRANSFORMER | ⊞ | IRRIGATION CONTROL VALVE |
| | ⊞ | POWER METER | U | UTILITY VAULT LID (GENERIC/UNKNOWN) |
| | ⊞ | POWER OUTLET | U | UTILITY ACCESS (GENERIC/UNKNOWN) |
| | ⊞ | HIGH VOLTAGE POWER POLE | ⊞ | MONITORING WELL |
| | → | GUY ANCHOR | GP | GUARD POST |
| | ⊞ | JUNCTION BOX | ○ | BOULDER |
| | ⊞ | STREET LIGHT (LUMINAIRE) | ⊞ | SIGN |
| | ⊞ | LOT LIGHT | ⊞ | MAILBOX |
| | ⊞ | YARD LIGHT | ⊞ | SHRUB |
| | ⊞ | TELEPHONE MANHOLE | ⊞ | STUMP, DIAMETER |
| | ⊞ | TELEPHONE RISER | ⊞ | DECIDUOUS TREE, DIAMETER |
| | ⊞ | TELEPHONE VAULT LID | ⊞ | CONIFEROUS TREE, DIAMETER |

| | |
|---------------|------------------------|
| — P — | PAINTED POWER |
| — T — | PAINTED TELEPHONE |
| — FO — | PAINTED FIBER OPTIC |
| — TV — | PAINTED TV |
| — W — | PAINTED WATER |
| — G — | PAINTED GAS |
| — SD — | STORM |
| — S — | SEWER |
| — x — x — x — | FENCE |
| ~~~~~ | HEDGE (HEIGHT NOTED) |
| ////// | BUILDING |
| ----- | RAISED PAVEMENT MARKER |
| ----- | RAISED PAVEMENT MARKER |
| ----- | EDGE OF PAVEMENT |
| ----- | CONTOUR |
| ⊞ | CONCRETE |
| ⊞ | GRAVEL |
| ⊞ | GRASS |
| ⊞ | ROCKERY |
| ⊞ | BRICK |
| ⊞ | METAL GRATE |
| AC | ASPHALT/CONCRETE |
| CHLK | CHAINLINK |
| DWY | DRIVEWAY |
| COL | COLUMN |

PROPOSED LEGEND

| | |
|-------|--|
| ■ | CONC INLET OR CATCH BASIN TYPE 1 |
| → | STORM PIPE WITH DIRECTION OF FLOW |
| — | 6" DI PIPE |
| ● | FIRE HYDRANT |
| ■ | SIGN |
| — X — | CHAIN LINK FENCE |
| — F — | FILL EMBANKMENT LINE |
| — C — | CUT EMBANKMENT LINE |
| ••••• | RAISED PAVEMENT MARKER |
| ⊞ | DETECTABLE WARNING SURFACE |
| ⊞ | HMA CL 1/2" PG 58H-22 FOR NEW PAVEMENT |
| ⊞ | CEMENT CONCRETE |
| ⊞ | CSTC |
| ⊞ | ELECTRICAL SERVICE CABINET |
| ⊞ | JUNCTION BOX TYPE 1 & 2 |
| ⊞ | ROADWAY POLE AND LUMINAIRE |
| ⊞ | LUMINAIRE ON EXISTING CONCRETE POLE |
| • | WIRE SPLICE |

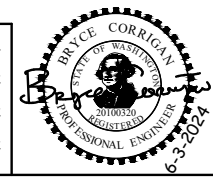
ABBREVIATIONS

| | | | |
|--------|---------------------------------|------|---|
| 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 | PI | POINT OF INTERSECTION |
| COMI | CITY OF MERCER ISLAND | POB | POINT OF BEGINNING |
| COL | COLUMN | POE | POINT OF ENDING |
| CONC | CONCRETE | PRC | POINT OF REVERSE CURVATURE |
| CSBC | CRUSHED SURFACING BASE COURSE | PT | POINT OF TANGENT |
| CSTC | CRUSHED SURFACING TOP COURSE | PVC | POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE |
| DI | DUCTILE IRON | PVT | POINT OF VERTICAL TANGENT |
| DIA | DIAMETER | PVI | POINT OF VERTICAL INTERSECTION |
| DW | DRIVEWAY | R | RADIUS |
| E | EAST OR EASTING | ROW | RIGHT OF WAY |
| EA | EACH | RPM | RAISED PAVEMENT MARKER |
| ELEV | ELEVATION | RT | RIGHT |
| EOP | EDGE OF PAVEMENT | S | SLOPE OR SOUTH |
| EW | EACH WAY | SD | STORM DRAIN |
| EX | EXISTING | SDMH | STORM DRAIN MANHOLE |
| FL | FLOW LINE | SE | SOUTHEAST |
| FO | FIBER OPTIC | SHT | SHEET |
| FOC | FACE OF CURB | SQ | SQUARE |
| HMA | HOT MIX ASPHALT | SS | SANITARY SEWER |
| HORIZ | HORIZONTAL | SSMH | SANITARY SEWER MANHOLE |
| HP | HIGH POINT | ST | STREET |
| ID | INSIDE DIAMETER | STA | STATION |
| IE | INVERT ELEVATION | STD | STANDARD |
| IN | INCH/INCHES | STCR | STRUCTURE |
| JB | JUNCTION BOX | SW | SOUTHWEST |
| L | LENGTH | TYP | TYPICAL |
| LT | LEFT | VERT | VERTICAL |
| LF | LINEAR FEET | W | WEST |
| LP | LOW POINT | YD | YARD DRAIN |
| MAX | MAXIMUM | | |
| MIN | MINIMUM | | |
| MH | MANHOLE | | |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LEG-ABBRV.dwg 6/4/2024 10:09 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|-------------------------|
| Approved By | | 9MER010400LEG-ABBRV.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY DATE |
| | | MEF 06/2024 |
| | | DRAWN BY DATE |
| | | BMC 06/2024 |
| | | CHECKED BY DATE |
| | | |



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

BID DOCUMENT

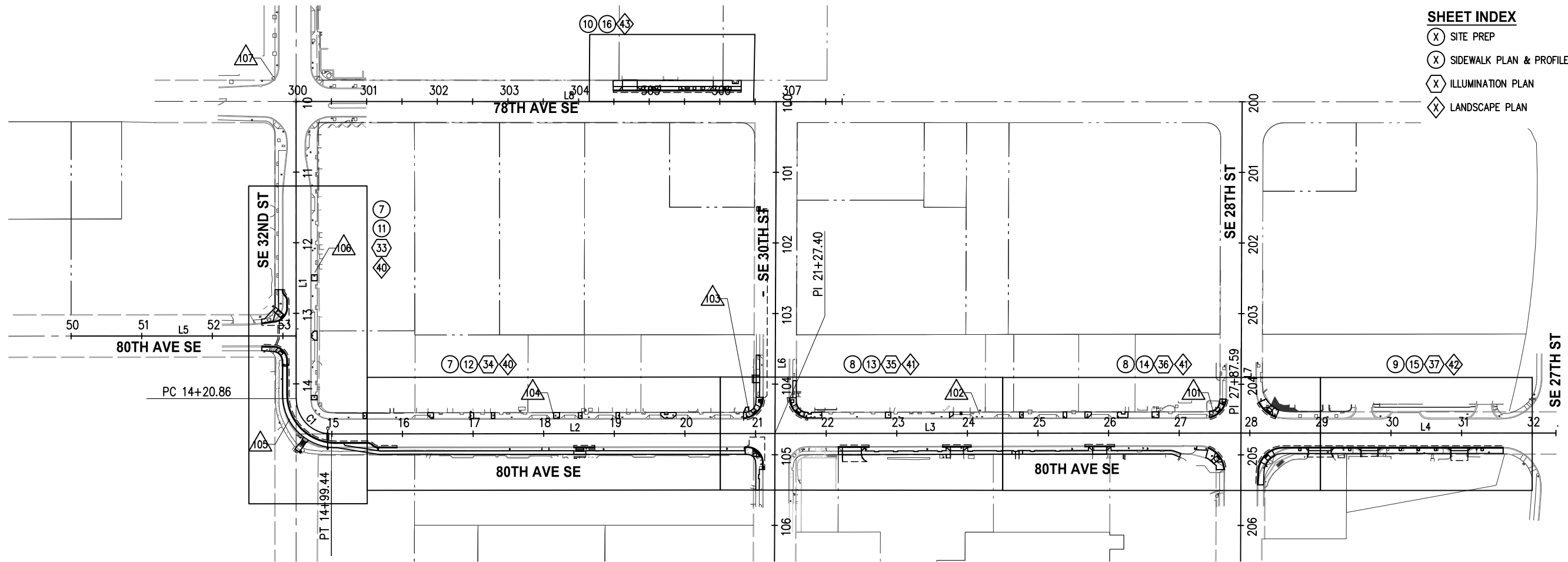


**CITY OF MERCER ISLAND
 80TH AVE SE PEDESTRIAN
 IMPROVEMENTS**

| | |
|-----------------------------------|---------------------------|
| GENERAL LEGEND & ABBREVIATIONS | |
| KPG PROJ. No. 9MER010400 | SHT <u>2</u> OF <u>46</u> |

SHEET INDEX

- (X) SITE PREP
- (X) SIDEWALK PLAN & PROFILE
- (X) ILLUMINATION PLAN
- (X) LANDSCAPE PLAN



NOTES

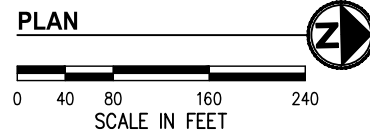
- THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.

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

- FIELD SURVEY: KPG, AUGUST-SEPTEMBER 2019; SEPTEMBER 2023. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
- CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
- STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
- THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.
- DUCTS ARE NOTED AS INDICATED IN THE FIELD BY UTILITY LOCATORS. MULTIPLE LINES AND/OR UTILITIES MAY SHARE DUCT RUNS; THIS MAY NOT BE SHOWN IN THE DRAWING.

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11
 VERTICAL DATUM: NAVD 88
 ESTABLISHED BY RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) WITH CHECK TO WSDOT CONTROL POINT "DEWITT" (MONUMENT ID 6476)



| CONTROL POINT LIST | | | | |
|--------------------|----------------|-----------|------------|-----------|
| # | DESCRIPTION | NORTHING | EASTING | ELEVATION |
| 100 | MAGNETIC SPIKE | 217106.00 | 1295716.28 | 104.41' |
| 101 | MAGNETIC SPIKE | 216664.25 | 1295306.55 | 91.58' |
| 102 | MAGNETIC SPIKE | 216332.24 | 1295298.79 | 96.03' |
| 103 | MAGNETIC SPIKE | 216006.40 | 1295292.60 | 110.80' |
| 104 | MAGNETIC SPIKE | 215729.40 | 1295288.61 | 108.21' |
| 105 | MAGNETIC SPIKE | 215355.29 | 1295283.86 | 111.72' |
| 106 | MAGNETIC SPIKE | 215395.55 | 1295077.05 | 94.96' |
| 107 | MAGNETIC SPIKE | 215341.83 | 1294797.13 | 86.48' |
| 108 | MAGNETIC SPIKE | 215406.93 | 1294650.77 | 85.98' |

| 80TH AVE SE | | | | | | | | | |
|-------------|-----------|-----------|------------|---------|---------------|--------|----------|--------|--|
| SEGMENT | START STA | NORTHING | EASTING | LENGTH | BRNG/DELTA | RADIUS | PI STA | TAN | |
| L1 | 10+00.00 | 215374.56 | 1294834.44 | 420.86' | S 88°43'08" E | | | | |
| C1 | 14+20.86 | 215365.15 | 1295255.19 | 78.59' | 90°03'09" | 50.00' | 14+70.90 | 50.05' | |
| L2 | 14+99.44 | 215414.07 | 1295306.29 | 627.96' | N 11°3'43" E | | | | |
| L3 | 21+27.40 | 216041.88 | 1295319.76 | 660.19' | N 11°3'43" E | | | | |
| L4 | 27+87.59 | 216701.92 | 1295333.92 | 446.03' | N 11°7'26" E | | | | |

| 80TH AVE SE - SOUTH | | | | | |
|---------------------|-----------|-----------|------------|---------|--------------|
| SEGMENT | START STA | NORTHING | EASTING | LENGTH | BRNG |
| L5 | 50+00.00 | 215048.47 | 1295159.41 | 318.65' | N 11°5'09" E |

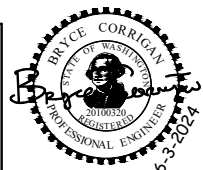
| SE 30TH ST | | | | | |
|------------|-----------|-----------|------------|---------|---------------|
| SEGMENT | START STA | NORTHING | EASTING | LENGTH | BRNG |
| L6 | 100+00.00 | 216054.38 | 1294850.02 | 740.01' | S 88°29'41" E |

| SE 28TH ST | | | | | |
|------------|-----------|-----------|------------|---------|---------------|
| SEGMENT | START STA | NORTHING | EASTING | LENGTH | BRNG |
| L7 | 200+00.00 | 216714.18 | 1294865.01 | 766.53' | S 88°30'10" E |

| 78TH AVE SE | | | | | |
|-------------|-----------|-----------|------------|---------|--------------|
| SEGMENT | START STA | NORTHING | EASTING | LENGTH | BRNG |
| L8 | 300+00.00 | 215374.56 | 1294834.44 | 773.45' | N 11°8'42" E |

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400SURVCNTRL.dwg |
|---------------------|------|-------------------------|
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

BID DOCUMENT

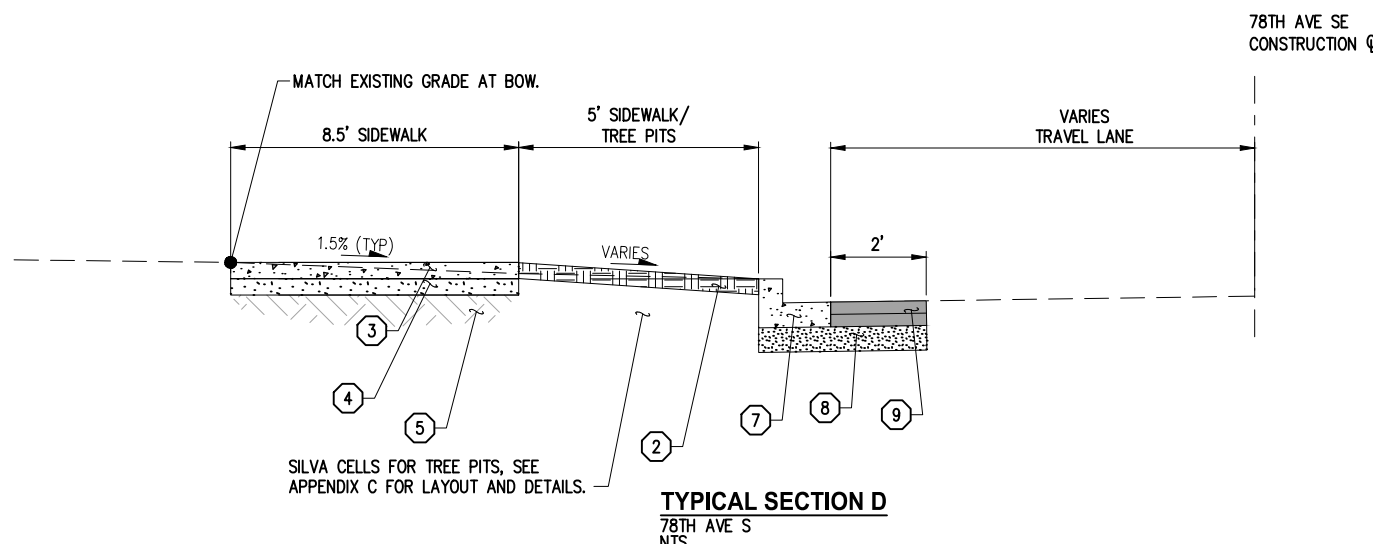
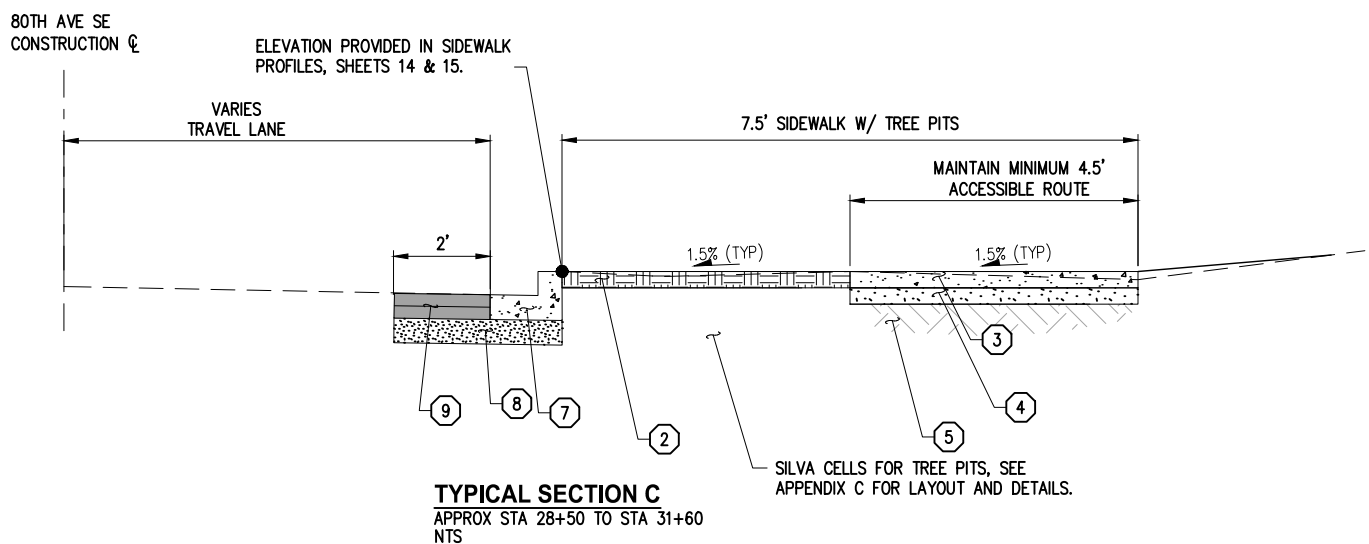
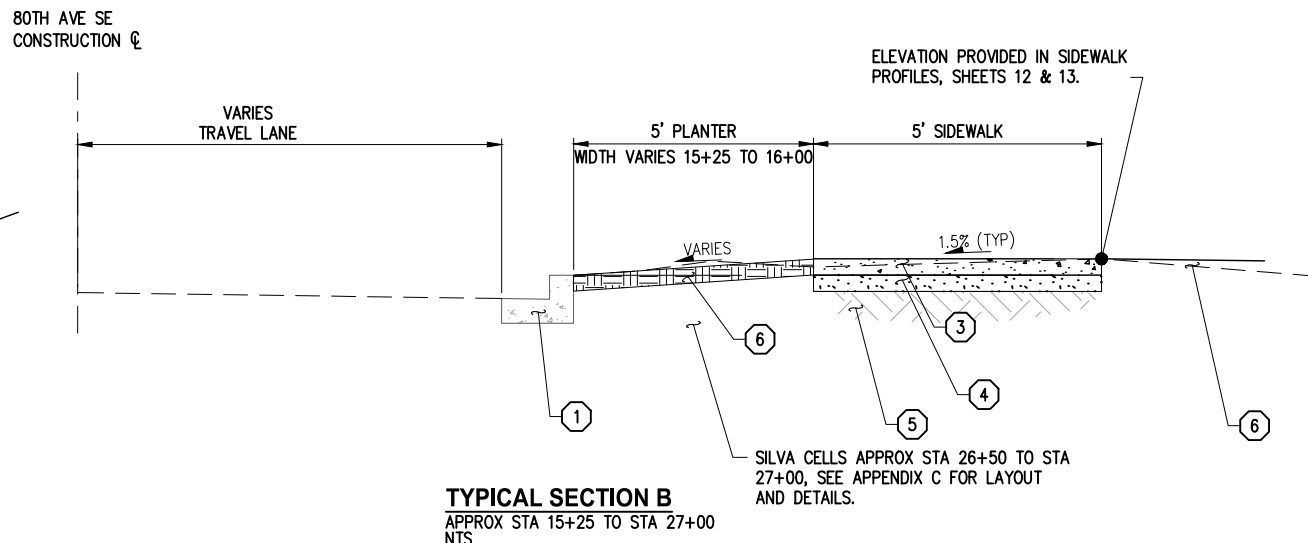
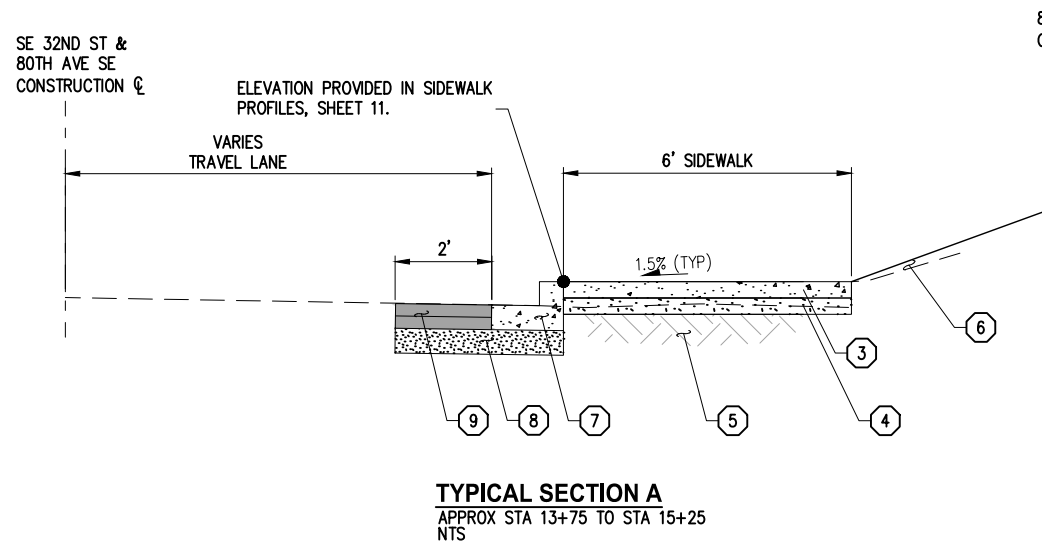


CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

| GENERAL SURVEY CONTROL & ALIGNMENT DATA | |
|---|---------------------------|
| KPG PROJ. No. 9MER010400 | SHT <u>3</u> OF <u>46</u> |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SURVCNTRL.dwg 6/4/2024 10:10 AM

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SEC.dwg 6/4/2024 10:10 AM



TYPICAL SECTION GENERAL NOTES

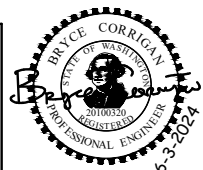
1. SIDEWALKS SHALL PROVIDE A MINIMUM OF 5' CLEAR PEDESTRIAN WALKING ZONE.
2. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
3. ADDITIONAL FILL MATERIAL REQUIRED FOR CONSTRUCTION SHALL BE APPROVED CRUSHED ROCK WHEN REQUIRED BY ENGINEER. FILL MATERIAL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
4. EMBANKMENTS SHALL BE CONSTRUCTED PER SECTION 2-03 OF THE STANDARD SPECIFICATIONS.
5. IF UNSUITABLE FOUNDATION IS ENCOUNTERED, THE CONTRACTOR SHALL CAREFULLY OVER EXCAVATE TO A MAXIMUM DEPTH OF 1' AND REPLACE WITH CRUSHED ROCK AS DIRECTED BY THE ENGINEER.
6. WHERE EXISTING EDGE OF PAVEMENT IS LESS THAN 2-FT FROM PROPOSED GUTTER PAN, CONTRACTOR SHALL SAWCUT AND REMOVE PAVEMENT AS REQUIRED TO PROVIDE 2-FT MINIMUM CLEARANCE.
7. MAXIMUM COMPACTED HMA LIFT THICKNESS SHALL NOT EXCEED 0.25 FT.
8. ACCESS TO ADJACENT PROPERTY MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE ENGINEER.
9. ALL PAVEMENT SHALL BE CUT BY SAW CUTTING FULL DEPTH IN A NEAT VERTICAL LINE PRIOR TO REMOVING. ANY DAMAGE TO ADJACENT PAVEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

MATERIAL CODE

| | MATERIALS DESCRIPTION |
|---|--|
| 1 | PRESERVE & PROTECT EXISTING CURB. |
| 2 | TOPSOIL TYPE A & SEEDED LAWN |
| 3 | 4" CEMENT CONCRETE SIDEWALK PER WSDOT STANDARD PLAN F-30.10 |
| 4 | 4" COMPACTED CSTC |
| 5 | COMPACTED SUBGRADE |
| 6 | BARK MULCH OR SEEDED LAWN AS IDENTIFIED ON THE PLANS OR DIRECTED BY ENGINEER IN FIELD TO MATCH EXISTING. |
| 7 | CEMENT CONC. CURB & GUTTER TYPE "A" PER COMI STANDARD DETAIL ST-14. |
| 8 | 6" COMPACTED CSTC. |
| 9 | 6" HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. CONTRACTOR SHALL PLACE AND COMPACT IN TWO (2) 3" THICK LIFTS. |

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|-------------------|
| Approved By | | 9MER010400SEC.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

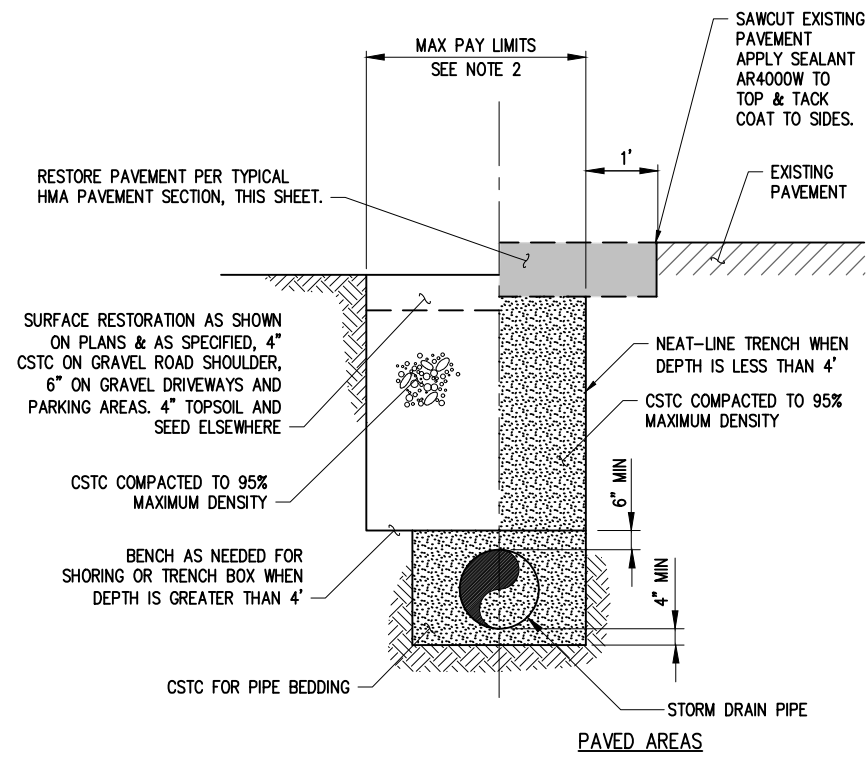
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

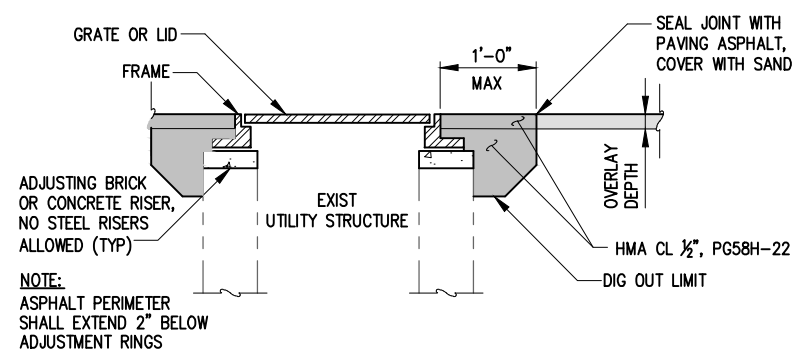
| | |
|--------------------------|---------------------------|
| TYPICAL SECTIONS | |
| KPG PROJ. No. 9MER010400 | SHT <u>4</u> OF <u>46</u> |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_SW.dwg 6/4/2024 10:32 AM



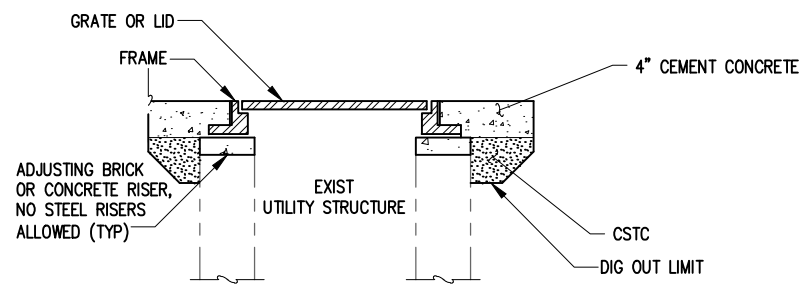
- NOTES:**
1. MAXIMUM WIDTH OF TRENCH AT TOP OF PIPE
 *FOR PIPES 15 INCHES & UNDER, TRENCH WIDTH = I.D.+30 INCHES
 *FOR PIPES 18 INCHES & OVER, TRENCH WIDTH = (1.5 x I.D.)+18 INCHES
 2. MAXIMUM PAY LIMITS FOR TRENCH BACKFILL SHALL BE:
 *NEAT LINE (PER NOTE 1) FOR <= 4' DEPTH.
 *NEAT LINE PLUS 24" FOR >= 4' DEPTH.
 3. TRENCH DEPTH EXCEEDING 3' TO THE TOP OF PIPE SHALL BE BACKFILLED IN A MINIMUM OF TWO (2) EVEN LIFTS, COMPACTED TO 95% MAXIMUM DENSITY AFTER EACH LIFT.

TYPICAL TRENCH SECTION
NTS



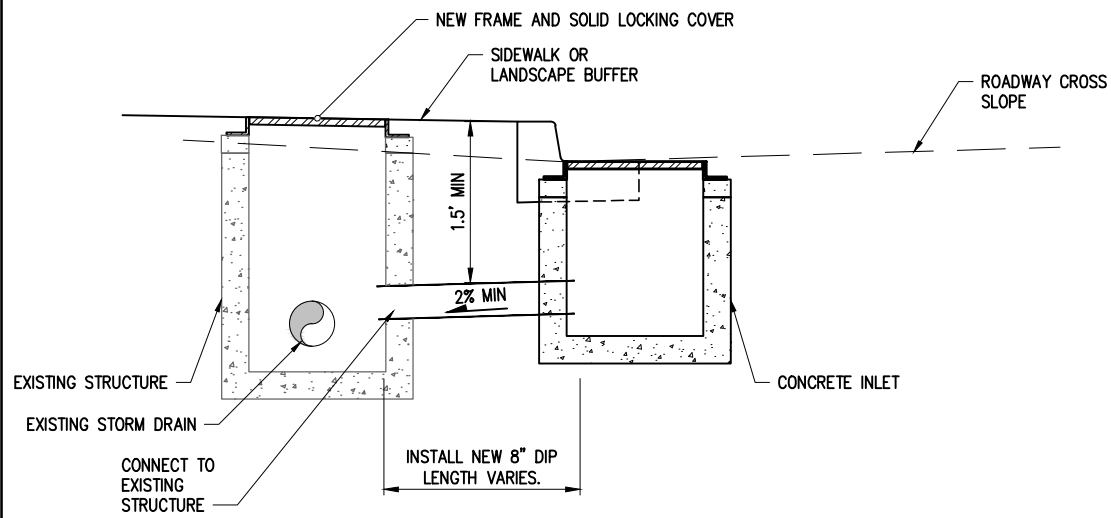
- NOTE:**
ASPHALT PERIMETER SHALL EXTEND 2" BELOW ADJUSTMENT RINGS
- NOTES:**
1. IN GENERAL, CATCH BASINS IN THE FLOW LINE SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PAVING.
 2. MANHOLES, VALVE BOXES, & MONUMENTS SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING.

UTILITY ADJUSTMENT DETAIL
ROADWAY APPLICATION
NTS

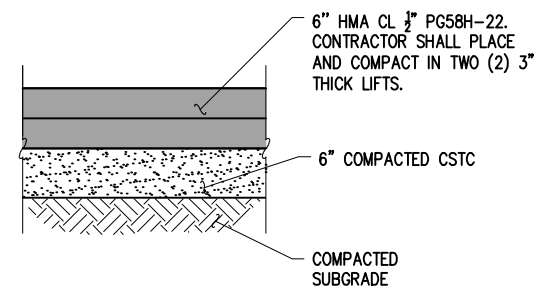


- NOTES:**
1. IN GENERAL, CATCH BASINS IN THE FLOW LINE SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PAVING.
 2. MANHOLES, VALVE BOXES, & MONUMENTS SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING.

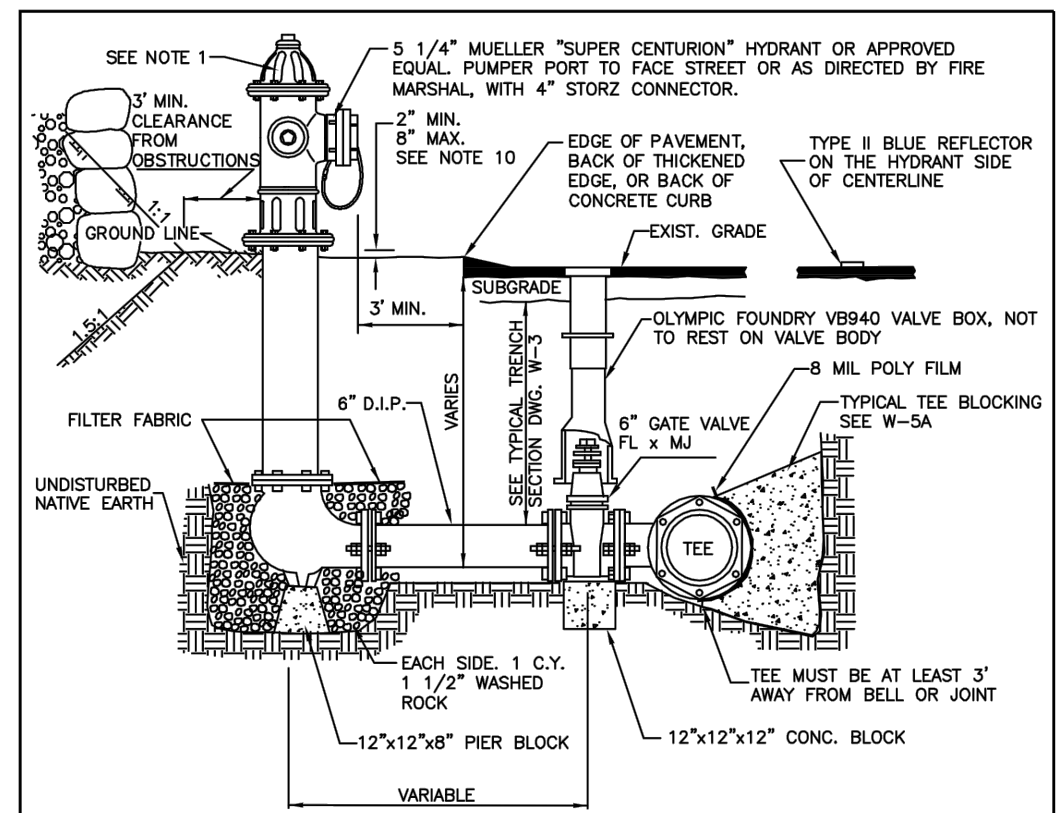
UTILITY ADJUSTMENT DETAIL
SIDEWALK APPLICATION
NTS




INLET CONNECTION DETAIL
INLET TO EXISTING CATCH BASIN
NTS



TYPICAL HMA PAVEMENT SECTION
NTS

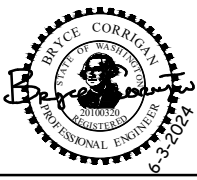


- NOTE:**
1. 1-5 1/4" M.V.O. HYDRANT WITH 2-2 1/2" N.T.S. M.J. INLET WITH LUGS, BRASS-TO-BRASS SUB-SEAT AND 1-4 1/2" PUMPER, SEATTLE STANDARD PIPE THREAD WITH 4" STORZ CONNECTOR HARRINGTON MODEL NO. HPHA40-40-004/CAP, SIZE 4.875-INCH BY 6-INCH.
 2. NO DOMESTIC CONNECTIONS CAN BE MADE TO THE FIRE HYDRANT RUNS.
 3. ANY FIRE HYDRANT RUN OVER 18 FEET IN LENGTH OF PIPE SHALL HAVE RESTRAINED JOINT GASKETS.
 4. USE ROMA GRIP, OR APPROVED EQUAL, PIPE RESTRAINERS AT VALVE AND HYDRANT BASE.
 5. HYDRANT SHALL BE PAINTED WITH 2 COATS OF FARWEST #250 HIGH GLOSS WHITE PAINT, OR APPROVED EQUAL, APPLIED WITH A PAINT BRUSH. DO NOT APPLY PAINT TO STORZ FITTING, BRASS PORT THREADS, OR BELOW SAFETY FLANGE.
 6. BOLLARDS MAY BE USED TO PROTECT THE HYDRANT WHEN NO CURBS ARE PRESENT OR IN EXPOSED AREAS OF PARKING LOTS.
 7. STRAIGHT PIPE TO HYDRANTS FROM MAIN, NO BENDS.
 8. REMOVE CHAINS FROM HYDRANT CAPS.
 9. VALVE AND HYDRANT MUST BE PLUMB.
 10. THIS DISTANCE IS MEASURED FROM BOTTOM OF SAFETY FLANGE TO LEVEL OF FINISH GRADE BELOW HYDRANT.

| | | |
|---|----------|-------------|
|  CITY OF MERCER ISLAND STANDARD DETAILS WATER | | |
| FIRE HYDRANT CONNECTION | | |
| 02-23-2021 | NO SCALE | W-24 |
| REV DATE | | APPROVED |

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400DET_SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



KPG PSOMAS

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

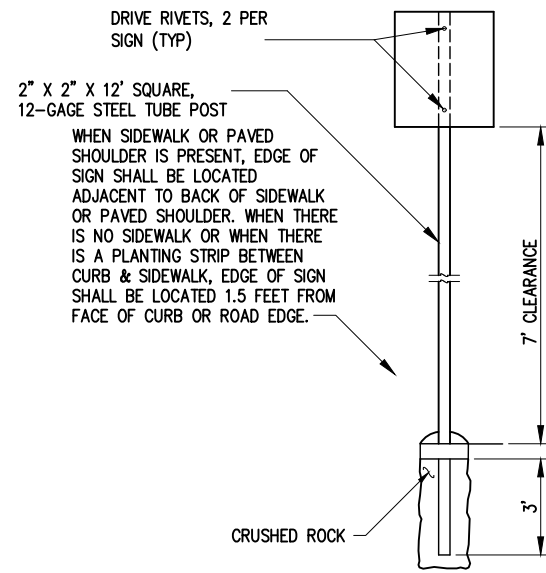
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

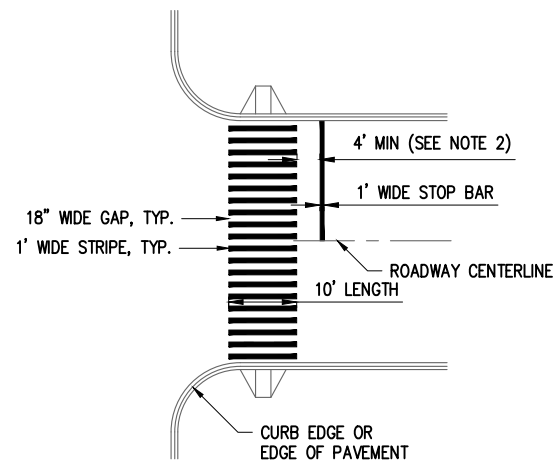
DETAILS
UTILITY DETAILS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_SW.dwg 6/4/2024 10:10 AM



STANDARD SIGN INSTALLATION

NTS

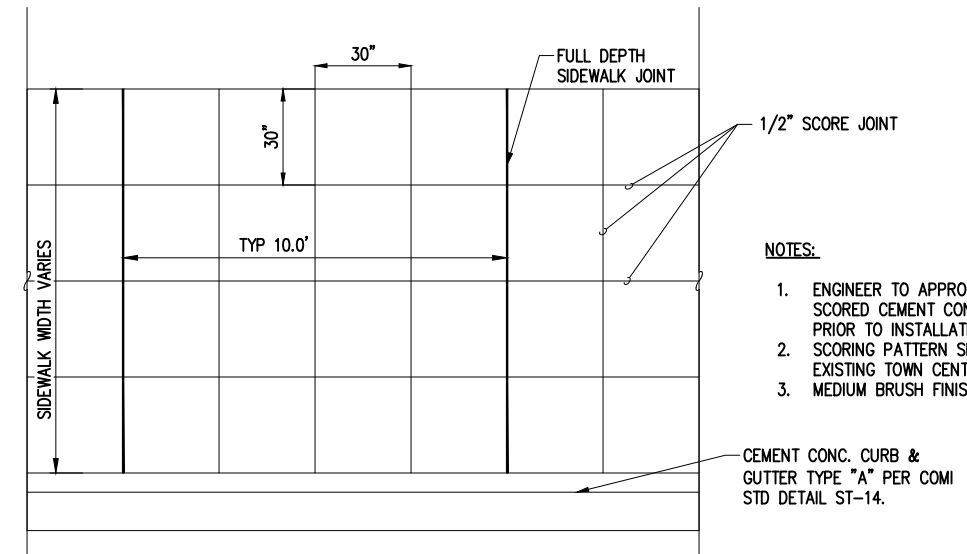


NON SIGNALIZED CROSS WALK LAYOUT

NTS

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

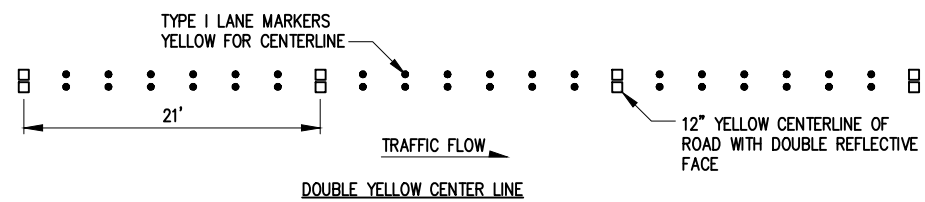


SCORED CEMENT CONCRETE SIDEWALK AND CROSSWALK FINISH DETAIL

NTS

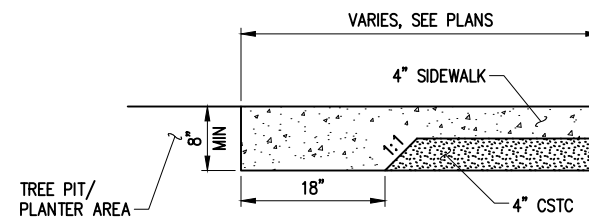
NOTES:

1. ENGINEER TO APPROVE FINAL DECORATIVE SCORED CEMENT CONCRETE PAVEMENT LAYOUT PRIOR TO INSTALLATION.
2. SCORING PATTERN SHALL MATCH ADJACENT, EXISTING TOWN CENTER PATTERN SPACING.
3. MEDIUM BRUSH FINISH SHALL BE CONTINUOUS.



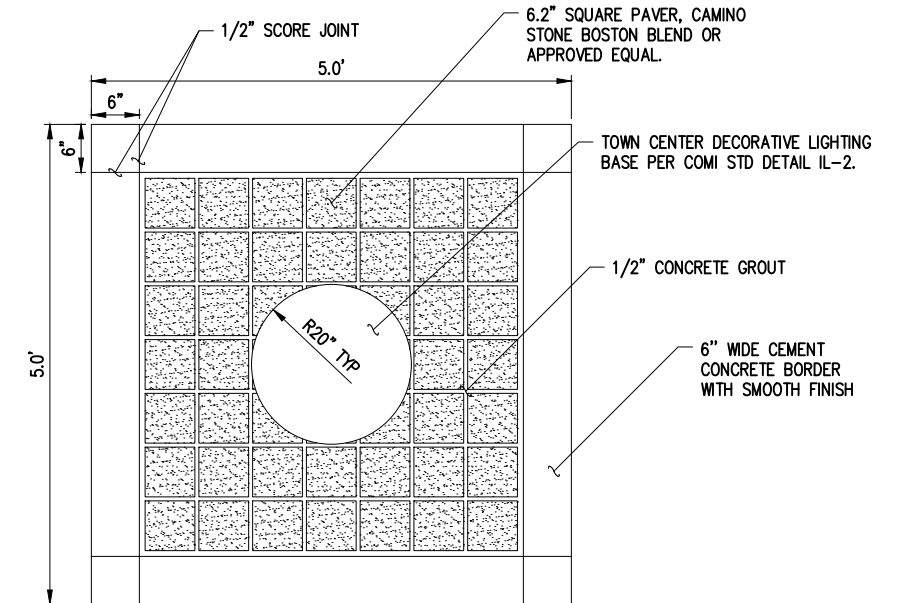
RAISED PAVEMENT MARKING LAYOUT DETAIL

NTS



THICKENED EDGE SIDEWALK

NTS

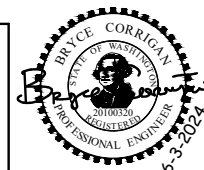


DECORATIVE PAVER LAYOUT DETAIL

NTS

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400DET_SW.dwg |
|---------------------|------|----------------------|
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY DATE |
| | | MEF 06/2024 |
| | | DRAWN BY DATE |
| | | BMC 06/2024 |
| | | CHECKED BY DATE |
| | | |



KPG PSOMAS

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

BID DOCUMENT

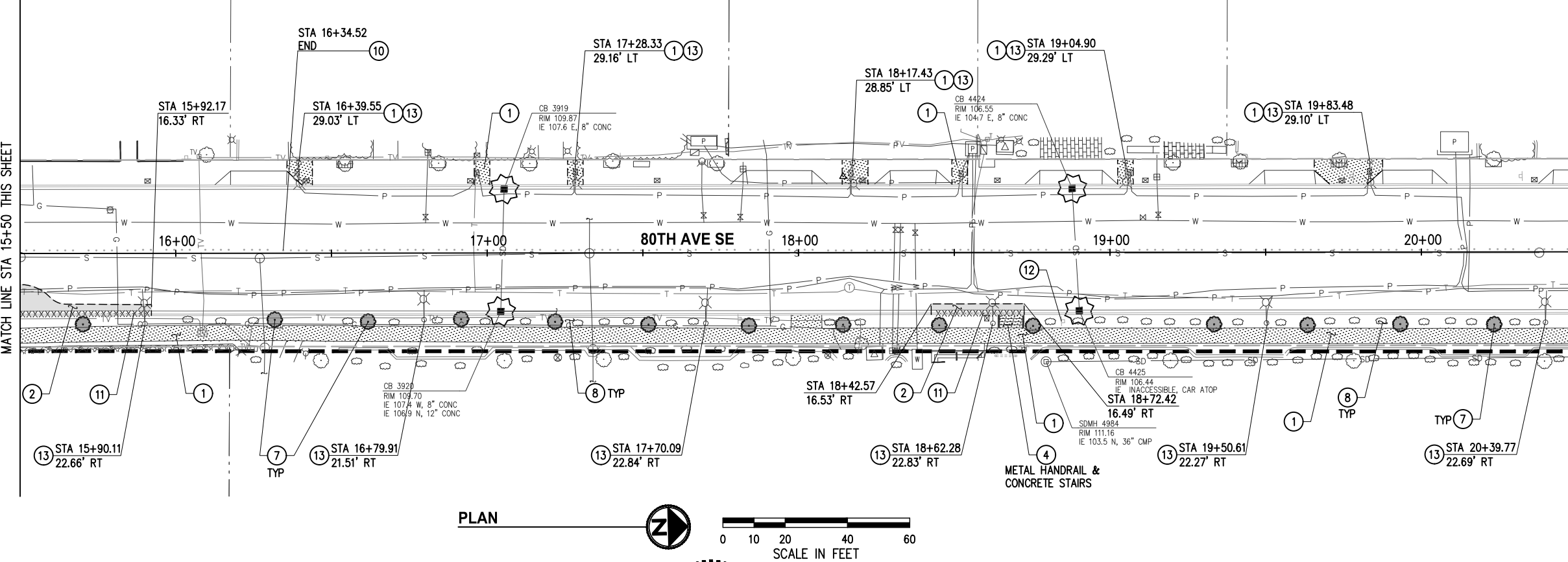
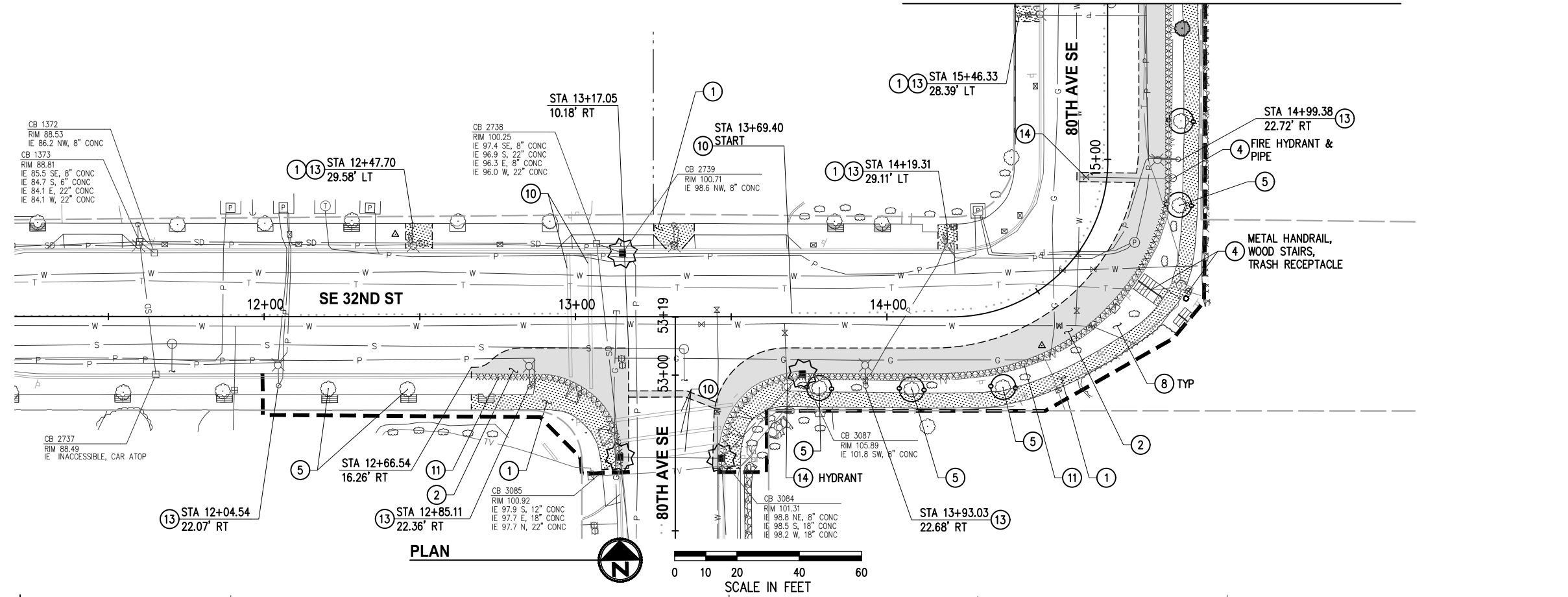


CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

DETAILS
SIDEWALK DETAILS

KPG PROJ. No. 9MER010400 SHT 6 OF 46

MATCH LINE STA 15+50 THIS SHEET



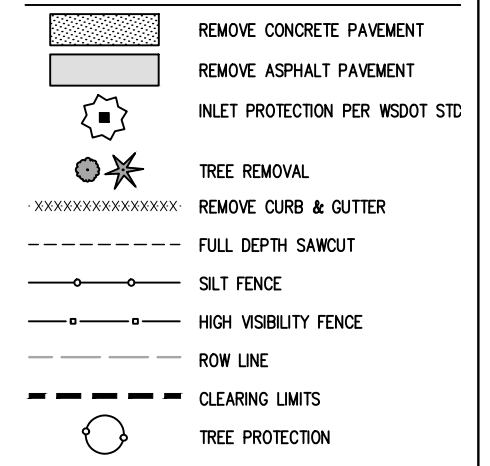
GENERAL NOTES

1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL THAT IS NOT IDENTIFIED IN THESE PLANS FOR REMOVAL, TRIMMING, PRUNING, ETC.
4. CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS FOR THE DURATION OF CONSTRUCTION ACTIVITY.
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. POWER AND COMMUNICATION CONDUIT AND DIRECT BURY WIRES EXIST BENEATH THE EXISTING SIDEWALK. EXERCISE CARE AND CAUTION WHILE PERFORMING SIDEWALK REMOVAL.
7. CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN WALKWAY USING COMPACTED CSTC, COLD MIX, OR HMA FOR DURATION OF CONSTRUCTION ACTIVITY.
8. CLEARING LIMITS SHALL BE WITHIN PUBLIC RIGHT OF WAY LINE.

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE CEMENT CONCRETE SIDEWALK.
- ② SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ③ SAWCUT AND REMOVE CEMENT CONCRETE PAVEMENT OR DRIVEWAY.
- ④ REMOVE.
- ⑤ PROTECT TREE. SEE DETAIL SHEET 38.
- ⑥ REMOVE GROUNDCOVER AND ROOTS WITHIN CLEARING LIMITS TO INSTALL PROPOSED IMPROVEMENTS.
- ⑦ REMOVE TREE. VERIFY ALL TREES TO BE REMOVED WITH ENGINEER PRIOR TO COMMENCING REMOVAL.
- ⑧ REMOVE SHRUB(S) AND BUSH(ES). VERIFY LIMITS OF REMOVALS WITH ENGINEER PRIOR TO COMMENCING REMOVALS.
- ⑨ TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- ⑩ REMOVE EXISTING CHANNELIZATION, PRIOR TO INSTALLATION OF NEW PERMANENT CHANNELIZATION.
- ⑪ SAWCUT AND REMOVE CEMENT CONCRETE CURB AND GUTTER.
- ⑬ REMOVE EXISTING ILLUMINATION POLE. SEE ILLUMINATION SHEETS.
- ⑭ PROTECT.

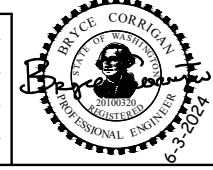
LEGEND



K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SP.dwg 6/4/2024 10:10 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SP.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | DESIGNED BY |
| PROJECT ENGINEER | DATE | DRAWN BY |
| | | CHECKED BY |
| | | DATE |



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

BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

| | |
|------------------------------|-------------|
| SITE PREPARATION & TESC PLAN | |
| STA 11+00 TO STA 20+50 | |
| KPG PROJ. No. 9MER010400 | SHT 7 OF 46 |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SP.dwg 6/4/2024 10:10 AM






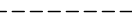





GENERAL NOTES

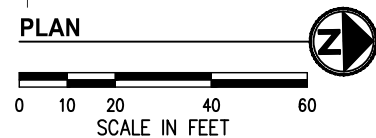
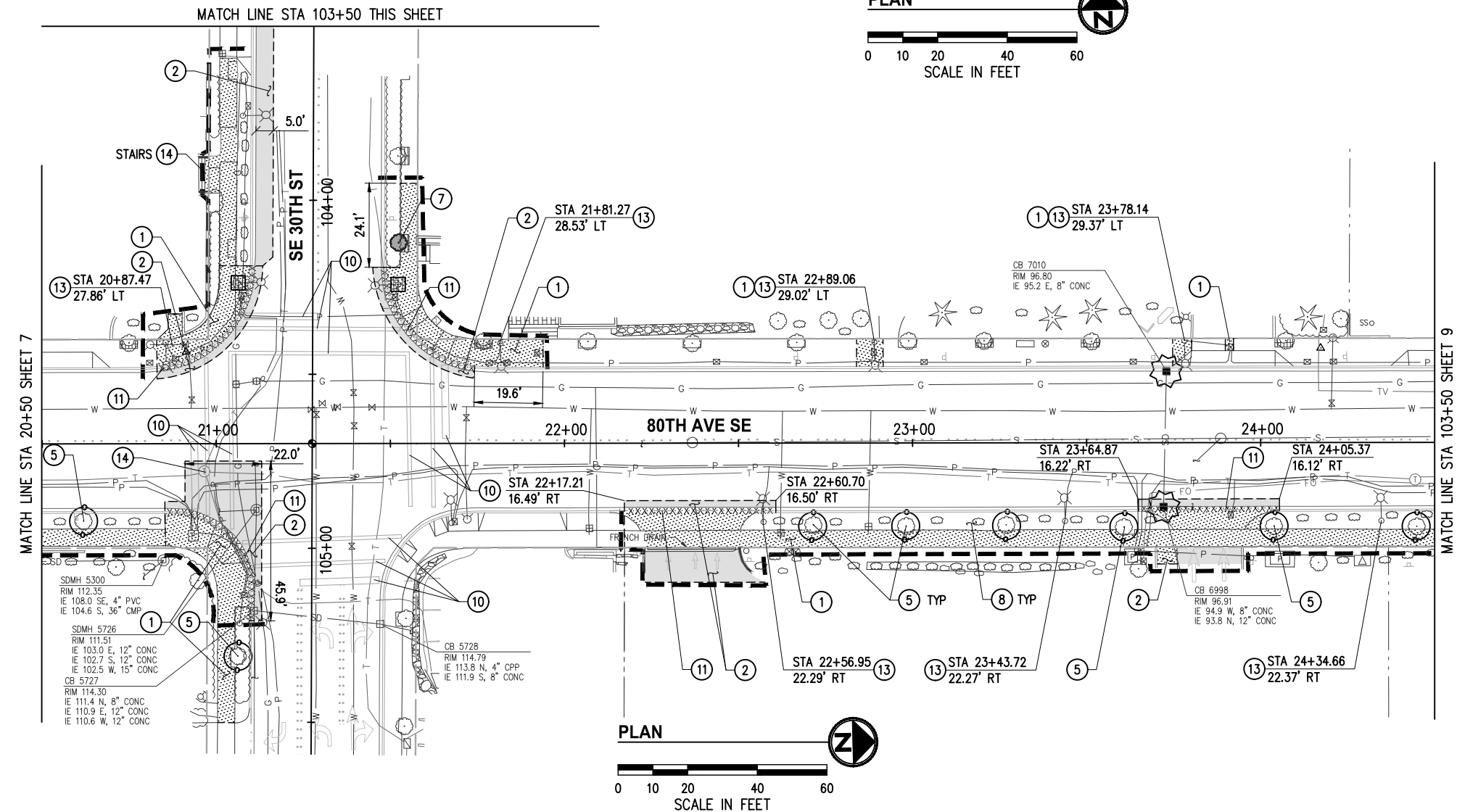
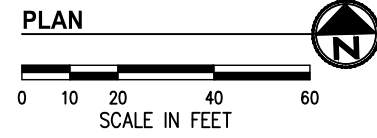
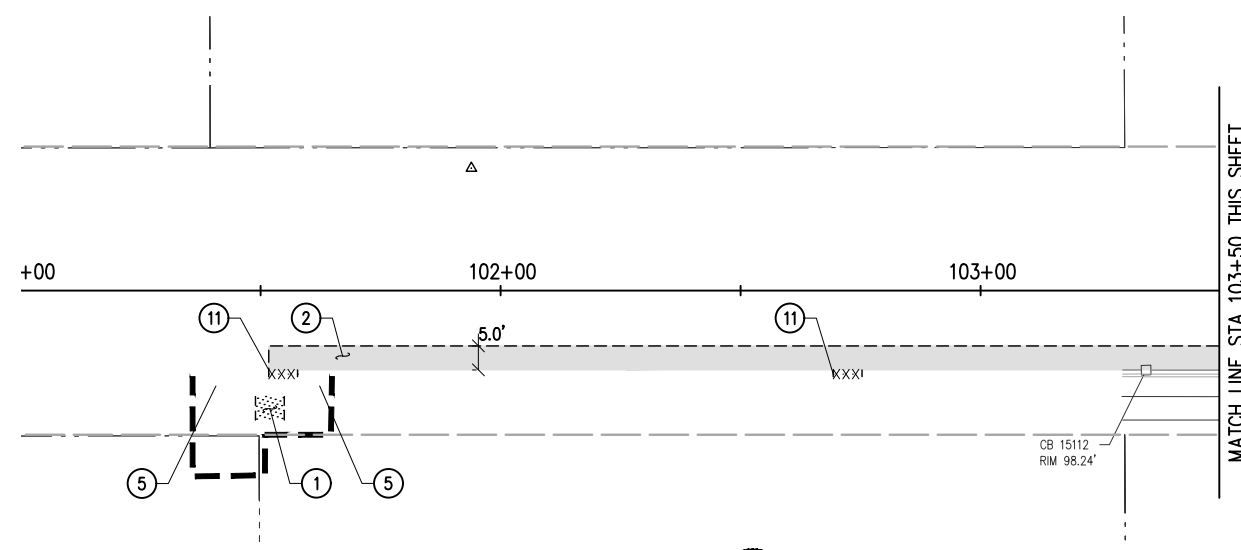
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL THAT IS NOT IDENTIFIED IN THESE PLANS FOR REMOVAL, TRIMMING, PRUNING, ETC.
4. CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS FOR THE DURATION OF CONSTRUCTION ACTIVITY.
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. POWER AND COMMUNICATION CONDUIT AND DIRECT BURY WIRES EXIST BENEATH THE EXISTING SIDEWALK. EXERCISE CARE AND CAUTION WHILE PERFORMING SIDEWALK REMOVAL.
7. CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN WALKWAY USING COMPACTED CSTC, COLD MIX, OR HMA FOR DURATION OF CONSTRUCTION ACTIVITY.
8. CLEARING LIMITS SHALL BE WITHIN PUBLIC RIGHT OF WAY LINE.

CONSTRUCTION NOTES

- 1 SAWCUT AND REMOVE CEMENT CONCRETE SIDEWALK.
- 2 SAWCUT AND REMOVE ASPHALT PAVEMENT.
- 3 SAWCUT AND REMOVE CEMENT CONCRETE PAVEMENT OR DRIVEWAY.
- 4 REMOVE.
- 5 PROTECT TREE. SEE DETAIL SHEET 38.
- 6 REMOVE GROUNDCOVER AND ROOTS WITHIN CLEARING LIMITS TO INSTALL PROPOSED IMPROVEMENTS.
- 7 REMOVE TREE. VERIFY ALL TREES TO BE REMOVED WITH ENGINEER PRIOR TO COMMENCING REMOVAL.
- 8 REMOVE SHRUB(S) AND BUSH(ES). VERIFY LIMITS OF REMOVALS WITH ENGINEER PRIOR TO COMMENCING REMOVALS.
- 9 TRIM/PRUNE EXISTING TREE(S), BUSH(ES), AND SHRUB(S) PER COMI STD DETAIL UF-4 AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.
- 10 REMOVE EXISTING CHANNELIZATION, PRIOR TO INSTALLATION OF NEW PERMANENT CHANNELIZATION.
- 11 SAWCUT AND REMOVE CEMENT CONCRETE CURB AND GUTTER.
- 13 REMOVE EXISTING ILLUMINATION POLE. SEE ILLUMINATION SHEETS.
- 14 PROTECT.

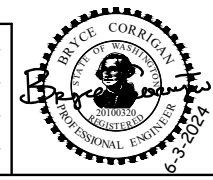
LEGEND

-  REMOVE CONCRETE PAVEMENT
-  REMOVE ASPHALT PAVEMENT
-  INLET PROTECTION PER WSDOT STD
-  TREE REMOVAL
-  REMOVE CURB & GUTTER
-  FULL DEPTH SAWCUT
-  SILT FENCE
-  HIGH VISIBILITY FENCE
-  ROW LINE
-  CLEARING LIMITS
-  TREE PROTECTION



| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400SP.dwg |
|---------------------|------|------------------|
| ENGINEERING MANAGER | DATE | MEF 06/2024 |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | BMC 06/2024 |



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

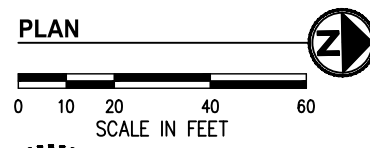
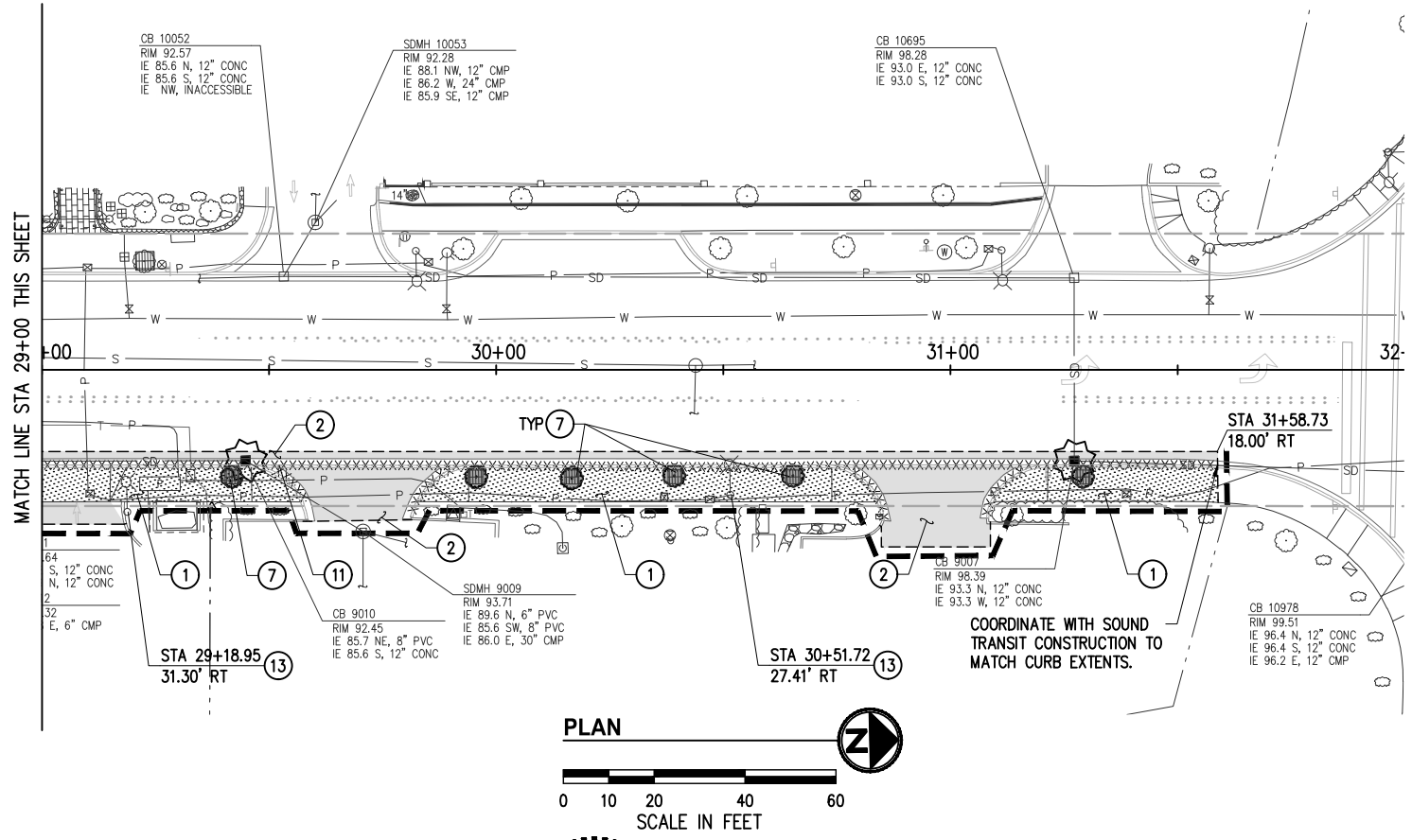
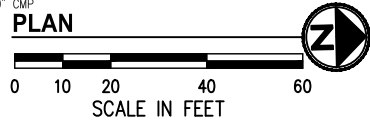
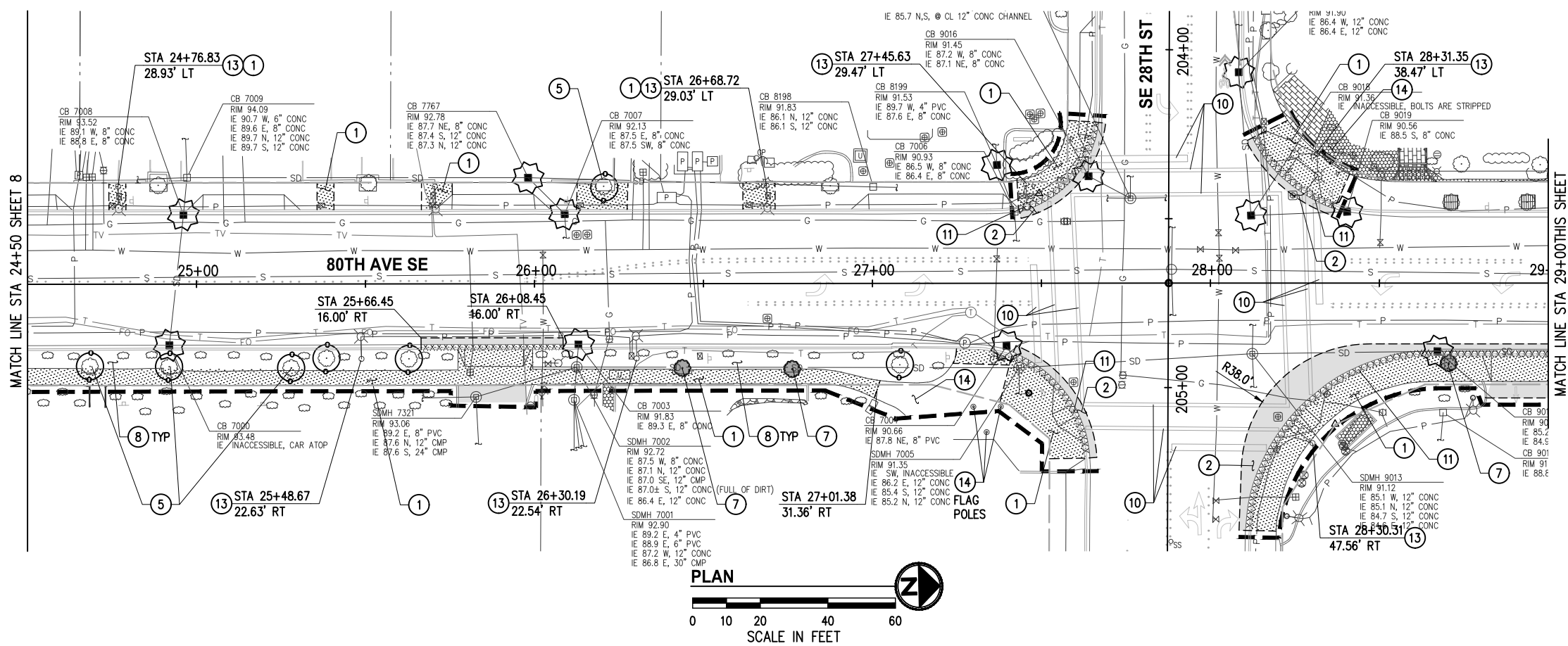
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

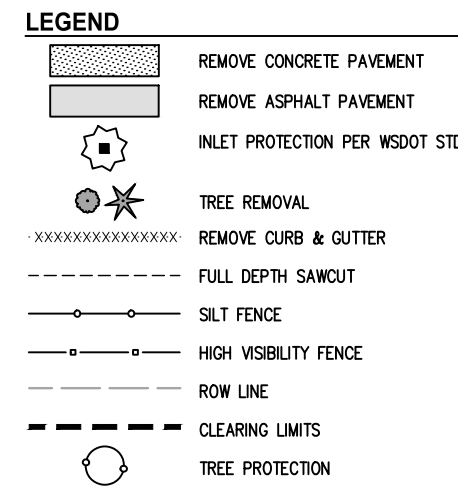
| SITE PREPARATION & TESC PLAN | |
|------------------------------|---------------------------|
| STA 20+50 TO STA 24+50 | |
| KPG PROJ. No. 9MER010400 | SHT <u>8</u> OF <u>46</u> |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SP.dwg 6/4/2024 10:10 AM



SOUND TRANSIT SIGNAL PROJECT SE 27TH ST AND 80TH AVE SE INTERSECTION MAY BE UNDER CONSTRUCTION AT SAME TIME AS THIS PROJECT.

- ### GENERAL NOTES
- CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
 - CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
 - CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL THAT IS NOT IDENTIFIED IN THESE PLANS FOR REMOVAL, TRIMMING, PRUNING, ETC.
 - CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS FOR THE DURATION OF CONSTRUCTION ACTIVITY.
 - 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.
 - POWER AND COMMUNICATION CONDUIT AND DIRECT BURY WIRES EXIST BENEATH THE EXISTING SIDEWALK. EXERCISE CARE AND CAUTION WHILE PERFORMING SIDEWALK REMOVAL.
 - CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN WALKWAY USING COMPACTED CSTC, COLD MIX, OR HMA FOR DURATION OF CONSTRUCTION ACTIVITY.
 - CLEARING LIMITS SHALL BE WITHIN PUBLIC RIGHT OF WAY LINE.
- ### CONSTRUCTION NOTES
- SAWCUT AND REMOVE CEMENT CONCRETE SIDEWALK.
 - SAWCUT AND REMOVE ASPHALT PAVEMENT.
 - PROTECT TREE. SEE DETAIL SHEET 38.
 - REMOVE TREE. VERIFY ALL TREES TO BE REMOVED WITH ENGINEER PRIOR TO COMMENCING REMOVAL.
 - REMOVE SHRUB(S) AND BUSH(ES). VERIFY LIMITS OF REMOVALS WITH ENGINEER PRIOR TO COMMENCING REMOVALS.
 - REMOVE EXISTING CHANNELIZATION, PRIOR TO INSTALLATION OF NEW PERMANENT CHANNELIZATION.
 - SAWCUT AND REMOVE CEMENT CONCRETE CURB AND GUTTER.
 - REMOVE EXISTING ILLUMINATION POLE. SEE ILLUMINATION SHEETS.
 - PROTECT.



| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|---------------------|
| Approved By | | 9MER010400SP.dwg |
| ENGINEERING MANAGER | DATE | DESIGNED BY 06/2024 |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DRAWN BY 06/2024 |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | DATE |



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

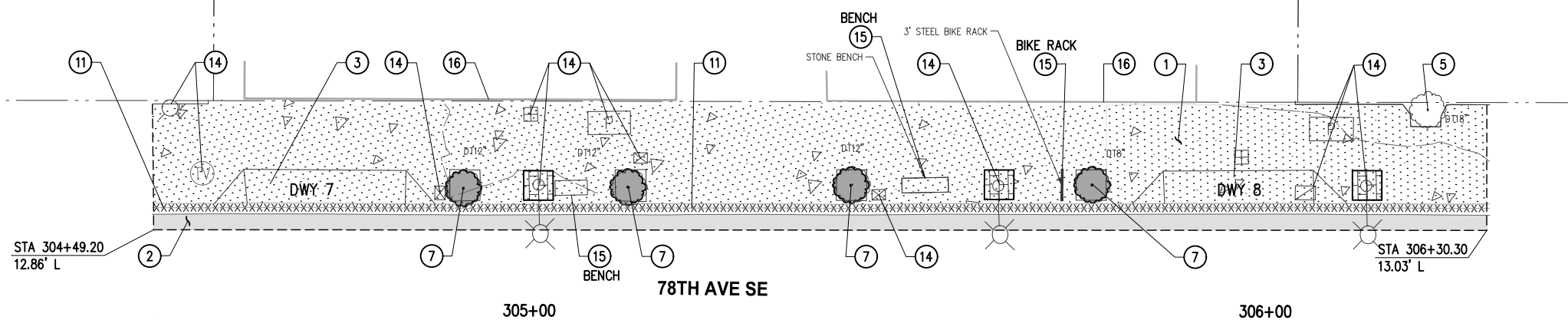
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

SITE PREPARATION & TESC PLAN
 STA 24+50 TO STA 32+00
 KPG PROJ. No. 9MER010400 SHT 9 OF 46

NEWELL COURT APARTMENTS
PARCEL NUMBER: 5315101096



GENERAL NOTES

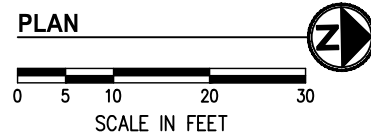
1. CONTRACTOR SHALL SEQUENCE REMOVAL OF EXISTING FEATURES WITH CONSTRUCTION OF NEW ROADWAY ELEMENTS TO MINIMIZE IMPACTS TO PROPERTY OWNERS, TRAFFIC FLOW, AND THE ENVIRONMENT.
2. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE GROUND UTILITIES AND IMPROVEMENTS THAT ARE TO REMAIN.
3. CONTRACTOR SHALL PROTECT ALL PLANT MATERIAL THAT IS NOT IDENTIFIED IN THESE PLANS FOR REMOVAL, TRIMMING, PRUNING, ETC.
4. CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL ADJACENT PROPERTY OWNERS FOR THE DURATION OF CONSTRUCTION ACTIVITY.
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. POWER AND COMMUNICATION CONDUIT AND DIRECT BURY WIRES EXIST BENEATH THE EXISTING SIDEWALK. EXERCISE CARE AND CAUTION WHILE PERFORMING SIDEWALK REMOVAL.
7. CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN WALKWAY USING COMPACTED CSTC, COLD MIX, OR HMA FOR DURATION OF CONSTRUCTION ACTIVITY.
8. CLEARING LIMITS SHALL BE WITHIN PUBLIC RIGHT OF WAY LINE.

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE CEMENT CONCRETE SIDEWALK.
- ② SAWCUT AND REMOVE ASPHALT PAVEMENT.
- ③ SAWCUT AND REMOVE CEMENT CONCRETE PAVEMENT OR DRIVEWAY.
- ⑤ PROTECT TREE. SEE DETAIL SHEET 38.
- ⑦ REMOVE TREE. VERIFY ALL TREES TO BE REMOVED WITH ENGINEER PRIOR TO COMMENTING REMOVAL.
- ⑪ SAWCUT AND REMOVE CEMENT CONCRETE CURB AND GUTTER.
- ⑭ PROTECT.
- ⑮ REMOVE AND PROTECT. TO BE REUSED.
- ⑯ PROTECT BUILDING FACE.

LEGEND

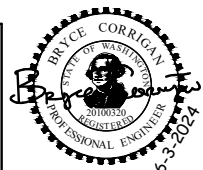
- REMOVE CONCRETE PAVEMENT
- REMOVE ASPHALT PAVEMENT
- INLET PROTECTION PER WSDOT STD PLAN I-40.20
- TREE REMOVAL
- REMOVE CURB & GUTTER
- FULL DEPTH SAWCUT



K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SP02.dwg 6/4/2024 10:10 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|--------------------|
| Approved By | | 9MER010400SP02.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | BCC 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY DATE |
| | | BCC 06/2024 |
| | | DRAWN BY DATE |
| | | BMC 06/2024 |
| | | CHECKED BY DATE |



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

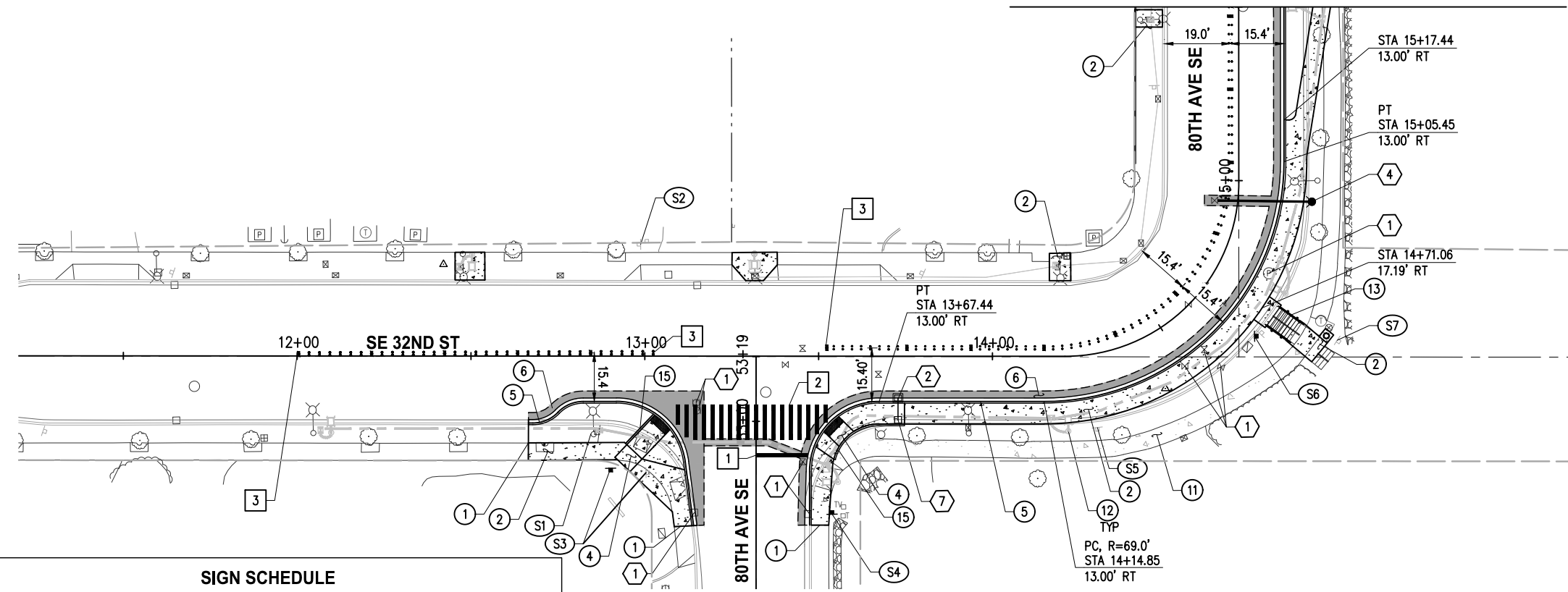
BID DOCUMENT



**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

| | |
|--|--------------|
| SITE PREPARATION & TESC PLAN SCHEDULE C STA 304+00 TO STA 306+50 | |
| KPG PROJ. No. 9MER010400 | SHT 10 OF 46 |

MATCH LINE STA 15+50 SHEET 12



GENERAL NOTES

1. THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.
2. SEE APPENDIX C FOR SILVA CELL LAYOUT. SEE SHEETS 44-46 FOR SILVA CELL DETAILS.

CONSTRUCTION NOTES

- 1 MATCH EXISTING.
- 2 CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
- 4 CONSTRUCT CURB RAMP. SEE CURB RAMP DETAILS, SHEETS 17-24.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
- 6 INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
- 11 RESTORE DISTURBED AREA PER LANDSCAPING AND RESTORATION PLANS. SEE SHEETS 38-43.
- 12 INSTALL NEW ILLUMINATION SYSTEM. SEE SHEETS 31-37.
- 14 CONSTRUCT CEMENT CONC. STAIRS WITH STEEL HANDRAIL. SEE DETAIL, SHEETS 25 & 26.
- 15 INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.

CHANNELIZATION NOTES

- 1 STOP BAR PER DETAIL, SHEET 6.
- 2 CROSSWALK LINE PER DETAIL, SHEET 6.
- 3 DOUBLE YELLOW CENTER LINE PER DETAIL, SHEET 6.

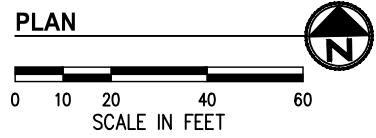
UTILITY CONSTRUCTION NOTES

- 1 ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.
- 2 INSTALL INLET CONNECTION, SEE DETAIL SHEET 5.
- 4 FURNISH AND INSTALL NEW HYDRANT, 6" DI PIPE, PER COMI STD DETAIL W-24. WET TAP NEW HYDRANT CONNECTION TO MAIN. WORK SHALL INCLUDE REMOVING OLD VALVE AND PLUGGING AND CAPPING OLD TEE.
- 7 INSTALL SOLID COVER WITH NON-STICK COATING PER COMI STD DETAIL D-21. ADJUST TO FINAL GRADE.

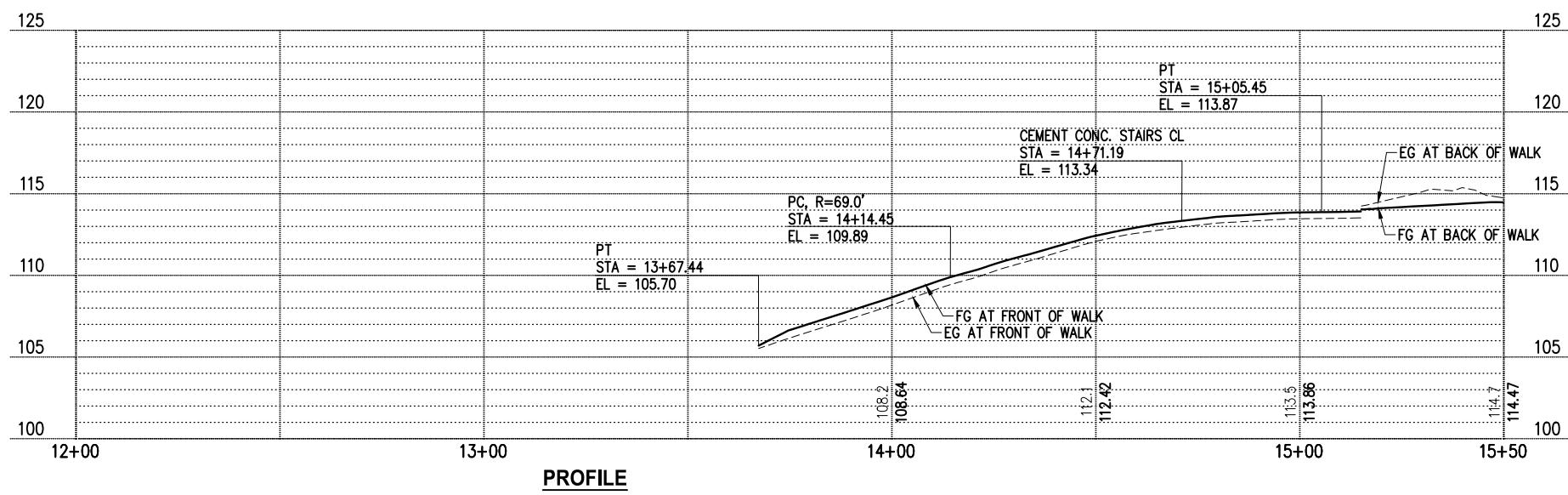
LEGEND

- EXISTING RIGHT OF WAY
- PROPERTY LINE
- SAWCUT LINE
- [Pattern] FULL DEPTH ASPHALT PAVEMENT
- [Pattern] CEMENT CONCRETE PAVEMENT
- [Pattern] DETECTABLE WARNING SURFACE
- [Pattern] THICKENED EDGE SIDEWALK FOR SILVA CELLS
- [Pattern] SILVA CELLS- SEE APPENDIX C

| SIGN SCHEDULE | | | | | |
|---------------|----------|---------|-----------------------------|-----------|--------------------|
| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
| S1 | 12+84.49 | 22.41RT | W11-2; W16-7P | | REMOVE |
| S3 | 12+90.19 | 32.28RT | "80TH AVE SE"; "SE 32ND ST" | | RELOCATE |
| S2 | 12+98.78 | 32.19LT | W11-2; W16-7P | | REMOVE |
| S4 | 13+53.93 | 45.51RT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |
| S5 | 14+27.46 | 21.13RT | "NO PARKING WEST OF HERE" | 12" X 18" | PROTECT |
| S6 | 14+65.36 | 20.20RT | "80TH AVE SE" "SE 32ND ST" | | RELOCATE |
| S7 | 14+73.15 | 40.47RT | TRAIL POST | | PROTECT |



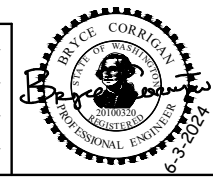
**80TH AVE SE
STA 12+00 TO STA 15+50**



K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW.dwg 6/4/2024 10:11 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY DATE |
| | | MEF 06/2024 |
| | | DRAWN BY DATE |
| | | BMC 06/2024 |
| | | CHECKED BY DATE |
| | | |



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

BID DOCUMENT

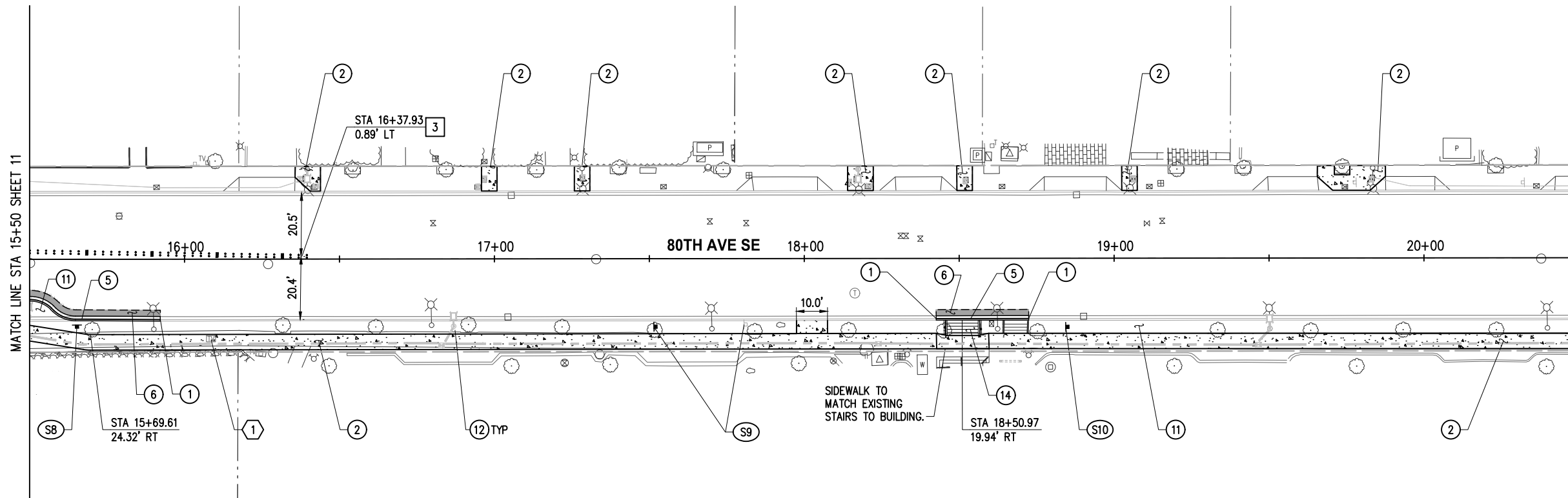


**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

**SIDEWALK PLAN & PROFILE
STA 11+00 TO STA 15+50**
KPG PROJ. No. 9MER010400 | SHT 11 OF 46

MATCH LINE STA 15+50 SHEET 11

MATCH LINE STA 20+50 SHEET 13



- GENERAL NOTES**
- THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDANTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.
 - SEE APPENDIX C FOR SILVA CELL LAYOUT. SEE SHEETS 44-46 FOR SILVA CELL DETAILS.

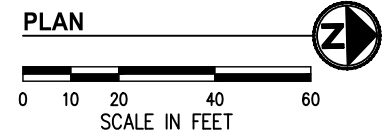
- CONSTRUCTION NOTES**
- MATCH EXISTING.
 - CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
 - CONSTRUCT CURB RAMP. SEE CURB RAMP DETAILS, SHEETS 17-24.
 - CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
 - INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
 - RESTORE DISTURBED AREA PER LANDSCAPING AND RESTORATION PLANS. SEE SHEETS 38-43.
 - INSTALL NEW ILLUMINATION SYSTEM. SEE SHEETS 31-37.
 - CONSTRUCT CEMENT CONC. STAIRS WITH STEEL HANDRAIL. SEE DETAIL, SHEETS 25 & 26.

- CHANNELIZATION NOTES**
- STOP BAR PER DETAIL, SHEET 6.
 - CROSSWALK LINE PER DETAIL, SHEET 6.
 - DOUBLE YELLOW CENTER LINE PER DETAIL, SHEET 6.

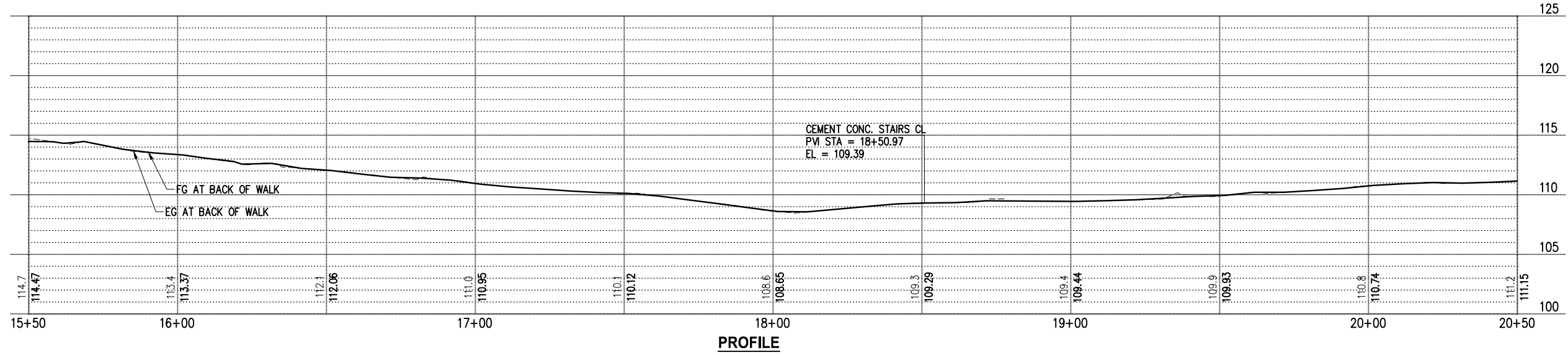
- UTILITY CONSTRUCTION NOTES**
- ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.

SIGN SCHEDULE

| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
|-----|----------|---------|----------------------------|-----------|----------|
| S8 | 15+65.28 | 21.24RT | "NO PARKING SOUTH OF HERE" | 12" X 18" | NEW |
| S9 | 17+51.47 | 21.97RT | "NO PARKING LOADING ZONE" | 12" X 18" | RELOCATE |
| S10 | 18+84.40 | 22.18RT | "NO PARKING LOADING ZONE" | 12" X 18" | RELOCATE |



**80TH AVE SE
STA 15+50 TO STA 20+50**

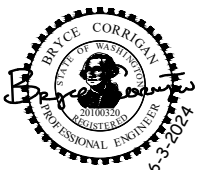


- LEGEND**
- EXISTING RIGHT OF WAY
 - PROPERTY LINE
 - SAWCUT LINE
 - FULL DEPTH ASPHALT PAVEMENT
 - CEMENT CONCRETE PAVEMENT
 - DETECTABLE WARNING SURFACE
 - THICKENED EDGE SIDEWALK FOR SILVA C
 - SILVA CELLS- SEE APPENDIX C

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW.dwg 6/4/2024 10:11 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | DATE |
| | | MEF |
| | | DRAWN BY |
| | | DATE |
| | | BMC |
| | | CHECKED BY |
| | | DATE |



KPG PSOMAS

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

**BID
DOCUMENT**

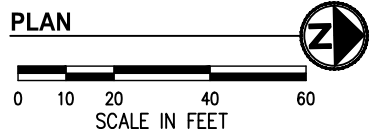
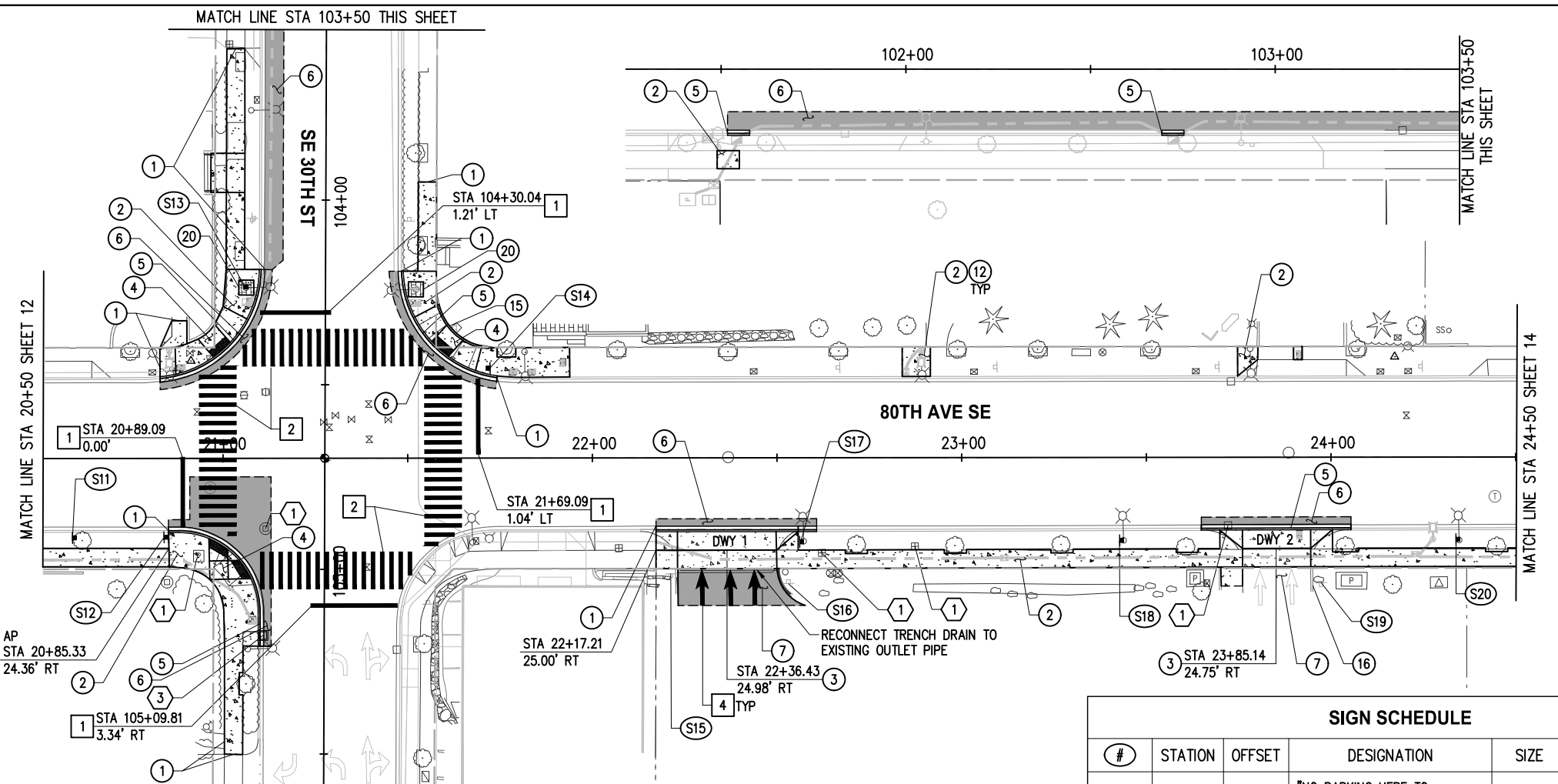


**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

SIDEWALK PLAN & PROFILE
STA 15+50 TO STA 20+50

KPG PROJ. No. 9MER010400 | SHT 12 OF 46

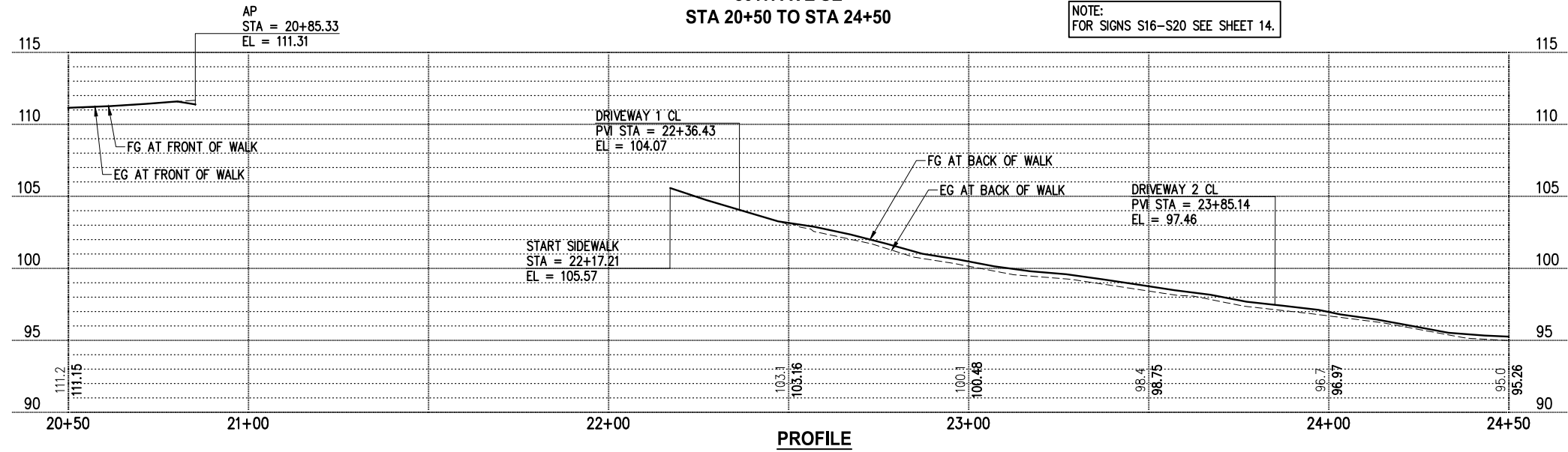
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW.dwg 6/4/2024 10:12 AM



80TH AVE SE
STA 20+50 TO STA 24+50

| SIGN SCHEDULE | | | | | |
|---------------|----------|---------|-----------------------------|-----------|--------------------|
| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
| S11 | 20+59.21 | 21.48RT | "NO PARKING HERE TO CORNER" | 12" X 18" | REMOVE AND REPLACE |
| S12 | 20+84.00 | 21.35RT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |
| S13 | 21+06.17 | 46.13LT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |
| S14 | 21+72.26 | 24.34LT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |
| S15 | 22+21.21 | 31.37RT | R5-1 "DO NOT ENTER" | | PROTECT |

NOTE:
FOR SIGNS S16-S20 SEE SHEET 14.



PROFILE

GENERAL NOTES

- THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.

- CONSTRUCTION NOTES**
- MATCH EXISTING.
 - CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
 - CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE. FOR TYPE AND DETAILS, SEE SHEETS 27-30.
 - CONSTRUCT CURB RAMP. SEE CURB RAMP DETAILS, SHEETS 17-24.
 - CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
 - INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
 - INSTALL HMA CL 1/2" PG58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.
 - RESTORE DISTURBED AREA PER LANDSCAPING AND RESTORATION PLANS. SEE SHEETS 38-43.
 - INSTALL NEW ILLUMINATION SYSTEM. SEE SHEETS 31-37.
 - INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.
 - INSTALL EXTRUDED CURB. MATCH EXISTING SIZE.
 - INSTALL DECORATIVE PAVERS AROUND PEDESTRIAN LUMINARIES, SEE DETAIL SHEET 6.

- CHANNELIZATION NOTES**
- STOP BAR PER DETAIL, SHEET 6.
 - CROSSWALK LINE PER DETAIL, SHEET 6.
 - TRAFFIC ARROW PER WSDOT STD PLAN M-24.40.

- UTILITY CONSTRUCTION NOTES**
- ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.
 - FURNISH AND INSTALL NEW FRAME AND GRATE PER WSDOT STD PLAN B-30.50.

LEGEND

- EXISTING RIGHT OF WAY
- PROPERTY LINE
- SAWCUT LINE
- FULL DEPTH ASPHALT PAVEMENT
- CEMENT CONCRETE PAVEMENT
- DETECTABLE WARNING SURFACE
- THICKENED EDGE SIDEWALK FOR SILVA CELLS
- SILVA CELLS- SEE APPENDIX C

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

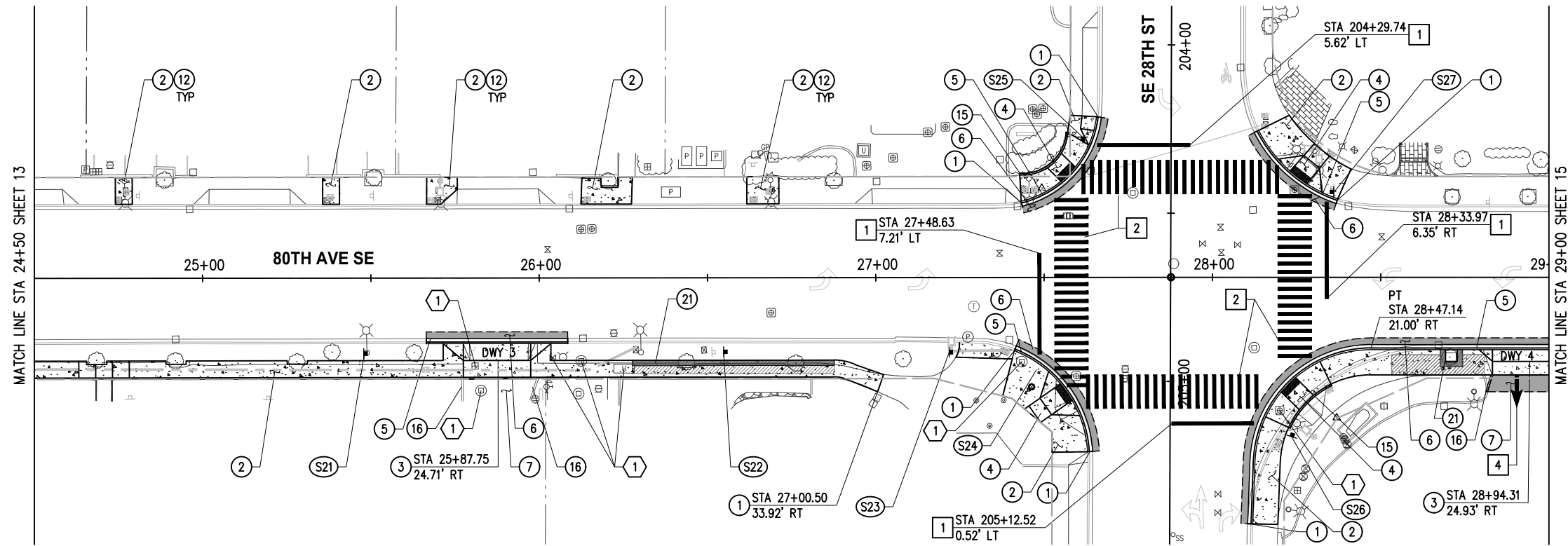
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

SIDEWALK PLAN & PROFILE
STA 20+50 TO STA 24+50
KPG PROJ. No. 9MER010400 SHT 13 OF 46

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW.dwg 6/4/2024 10:12 AM



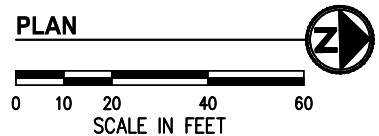
GENERAL NOTES

- THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.

- CONSTRUCTION NOTES**
- MATCH EXISTING.
 - CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
 - CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE. FOR TYPE AND DETAILS, SEE SHEETS 27-30.
 - CONSTRUCT CURB RAMP. SEE CURB RAMP DETAILS, SHEETS 17-24.
 - CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
 - INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
 - INSTALL HMA CL 1/2" PG58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.
 - RESTORE DISTURBED AREA PER LANDSCAPING AND RESTORATION PLANS. SEE SHEETS 38-43.
 - INSTALL NEW ILLUMINATION SYSTEM. SEE SHEETS 31-37.
 - INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.
 - INSTALL EXTRUDED CURB. MATCH EXISTING SIZE.
 - INSTALL THICKENED EDGE SIDEWALK PER DETAIL, SHEET 6. AS NECESSARY TO INSTALL SILVA CELL SYSTEM.

| SIGN SCHEDULE | | | | | |
|---------------|----------|---------|-----------------------|-----------|--------------------|
| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
| S16 | 22+53.09 | 34.13RT | R5-1 "DO NOT ENTER" | | PROTECT |
| S17 | 22+56.40 | 22.65RT | "PERMIT PARKING ONLY" | 12" X 18" | REMOVE AND REPLACE |
| S18 | 23+42.69 | 22.44RT | "PERMIT PARKING ONLY" | 12" X 18" | REMOVE AND REPLACE |
| S19 | 23+97.30 | 33.99RT | R5-1 "DO NOT ENTER" | | PROTECT |
| S20 | 24+33.84 | 22.23RT | "PERMIT PARKING ONLY" | 12" X 18" | REMOVE AND REPLACE |

SEE PREVIOUS SHEET FOR LOCATIONS OF SIGNS 16-22.



| SIGN SCHEDULE | | | | | |
|---------------|----------|---------|---|-----------|-----------------------------------|
| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
| S21 | 25+48.06 | 22.30RT | "PERMIT PARKING ONLY" | 12" X 18" | REMOVE AND REPLACE |
| S22 | 26+54.78 | 22.00RT | "TO I-90"; "NO PARKING" | | RELOCATE |
| S23 | 27+21.78 | 22.18RT | R1-1 "STOP" | 36" X 36" | REMOVE AND REINSTALL ON LUMINAIRE |
| S24 | 27+47.70 | 27.42RT | DECORATIVE STREET NAME SIGNS "80TH AVE SE" "SE 28TH ST" | VARIES | RELOCATE |
| S25 | 27+61.53 | 41.70LT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |
| S26 | 28+23.55 | 47.41RT | R1-1 "STOP" | 36" X 36" | RELOCATE |
| S27 | 28+36.17 | 25.39LT | R1-1 "STOP" | 36" X 36" | REMOVE AND REPLACE |

CHANNELIZATION NOTES

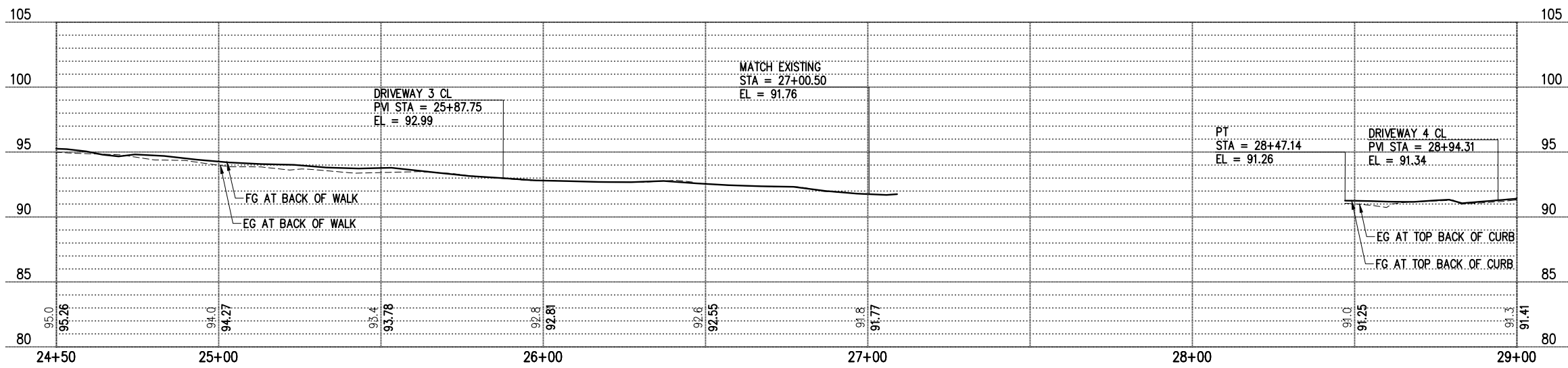
- STOP BAR PER DETAIL, SHEET 6.
- CROSSWALK LINE PER DETAIL, SHEET 6.
- TRAFFIC ARROW PER WSDOT STD PLAN M-24.40.

UTILITY CONSTRUCTION NOTES

- ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.

LEGEND

| | |
|--|---|
| | EXISTING RIGHT OF WAY |
| | PROPERTY LINE |
| | SAWCUT LINE |
| | FULL DEPTH ASPHALT PAVEMENT |
| | CEMENT CONCRETE PAVEMENT |
| | DETECTABLE WARNING SURFACE |
| | THICKENED EDGE SIDEWALK FOR SILVA CELLS |
| | SILVA CELLS- SEE APPENDIX C |



PROFILE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



KPG PSOMAS

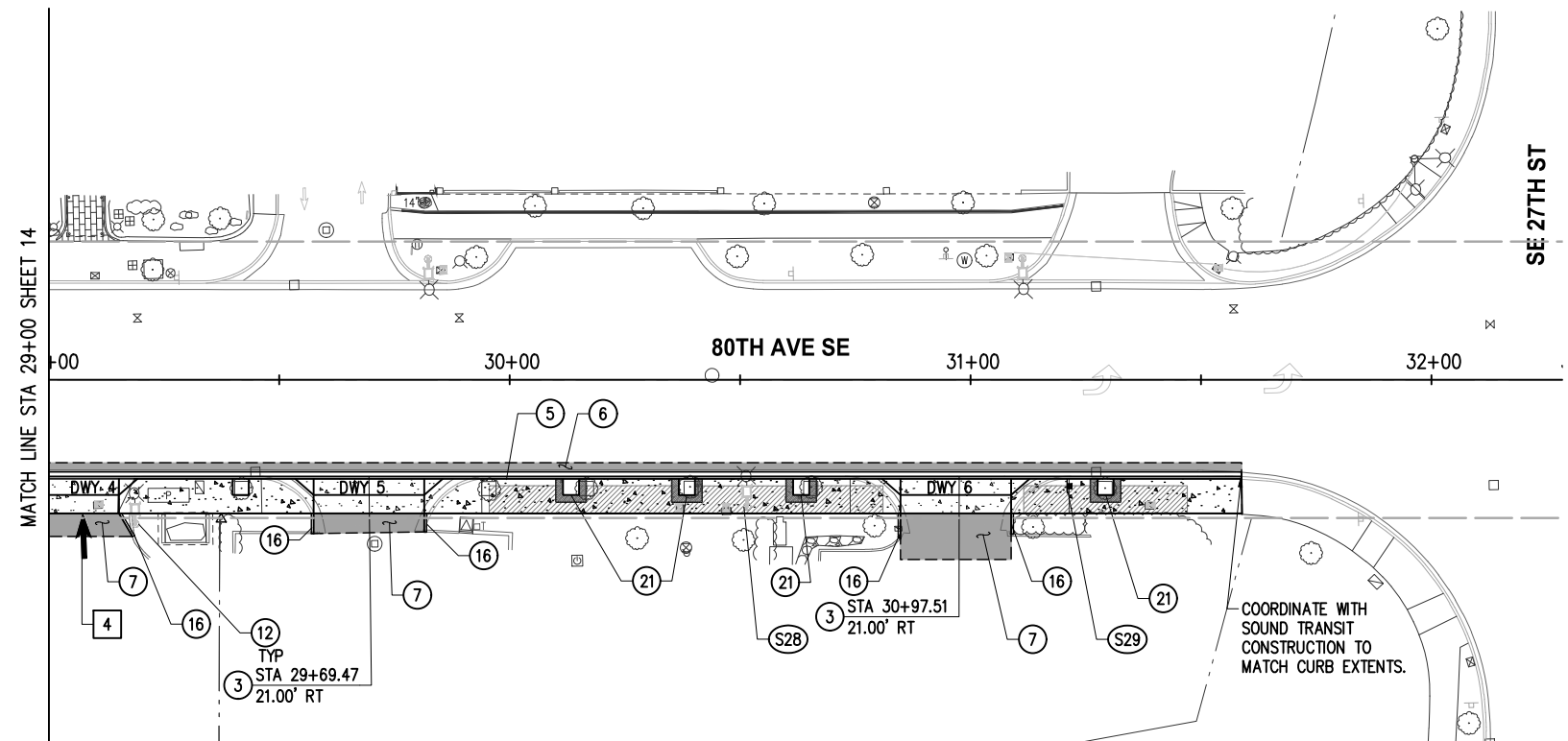
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW.dwg 6/4/2024 10:12 AM



GENERAL NOTES

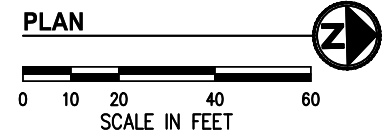
1. THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

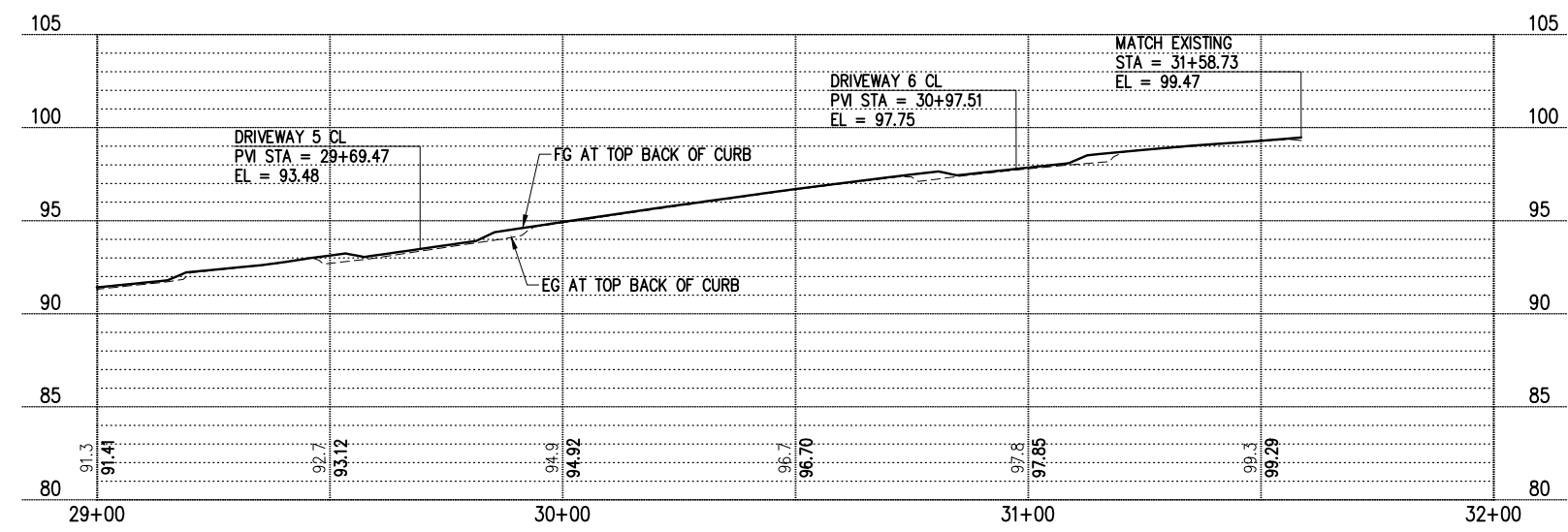
- 1 MATCH EXISTING.
- 2 CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
- 3 CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE. FOR TYPE AND DETAILS, SEE SHEETS 27-30.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
- 6 INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
- 7 INSTALL HMA CL 1/2" PG58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.
- 11 RESTORE DISTURBED AREA PER LANDSCAPING AND RESTORATION PLANS. SEE SHEETS 38-43.
- 12 INSTALL NEW ILLUMINATION SYSTEM. SEE SHEETS 31-37.
- 16 INSTALL EXTRUDED CURB. MATCH EXISTING SIZE.
- 21 INSTALL THICKENED EDGE SIDEWALK PER DETAIL, SHEET 6. AS NECESSARY TO INSTALL SILVA CELL SYSTEM.

SIGN SCHEDULE

| # | STATION | OFFSET | DESIGNATION | SIZE | REMARKS |
|-----|----------|---------|--------------------|------|---------|
| S28 | 30+50.81 | 27.58RT | W3-1; "NO PARKING" | | PROTECT |
| S29 | 31+20.90 | 23.14RT | "TO I-90" | | RESET |



**80TH AVE SE
STA 29+00 TO STA 32+00**



UTILITY CONSTRUCTION NOTES

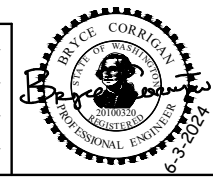
- 1 ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.

LEGEND

- EXISTING RIGHT OF WAY
- - - PROPERTY LINE
- - - SAWCUT LINE
- [Pattern] FULL DEPTH ASPHALT PAVEMENT
- [Pattern] CEMENT CONCRETE PAVEMENT
- [Pattern] DETECTABLE WARNING SURFACE
- [Pattern] THICKENED EDGE SIDEWALK FOR SILVA CELLS
- [Pattern] SILVA CELLS- SEE APPENDIX C

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400SW.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

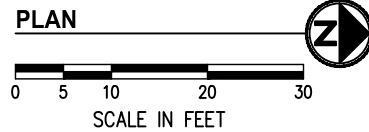
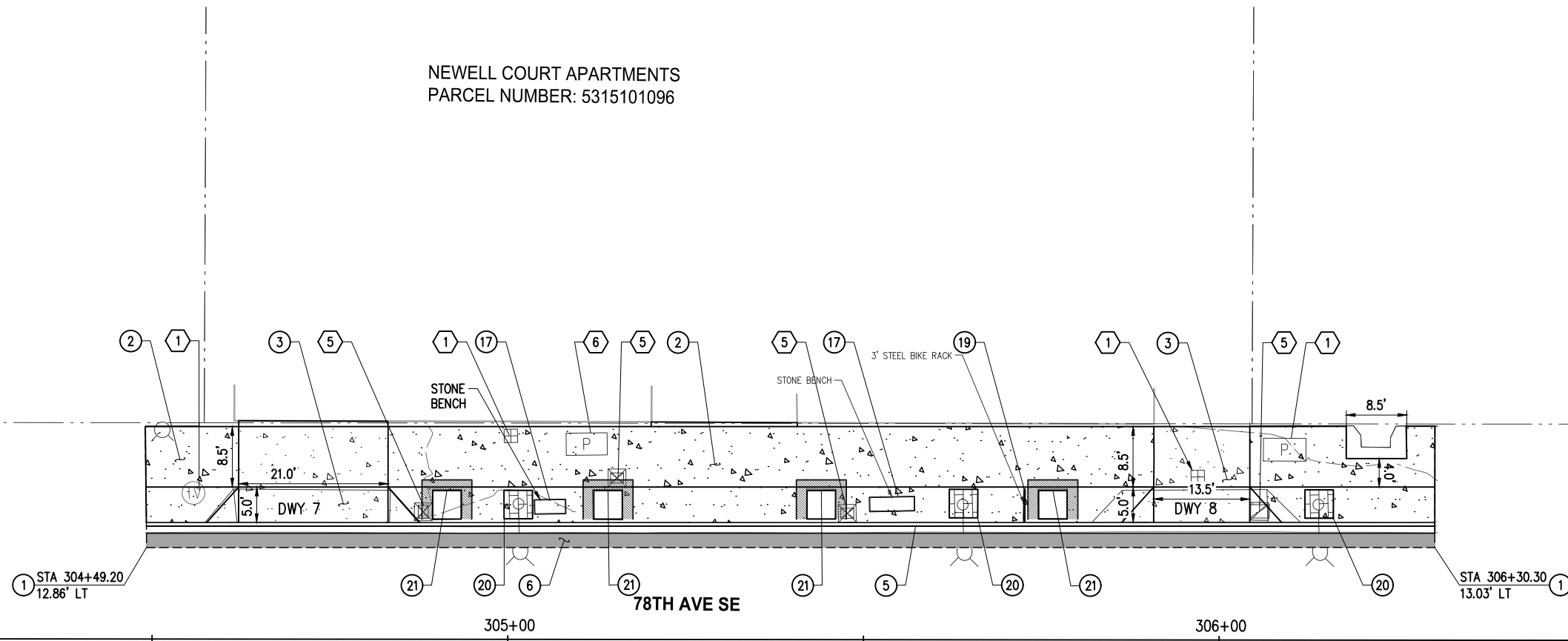
BID DOCUMENT



**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

**SIDEWALK PLAN & PROFILE
STA 29+00 TO STA 32+00**

NEWELL COURT APARTMENTS
PARCEL NUMBER: 5315101096



GENERAL NOTES

1. THIS PLAN WAS PREPARED FOR THE CONTRACTOR'S CONVENIENCE IN LOCATING, PROTECTING, AND AVOIDING CONFLICTS WITH EXISTING UTILITIES AND IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING THE LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

- 1 MATCH EXISTING.
- 2 CONSTRUCT SCORED CONC. SIDEWALK. 5' MINIMUM WIDTH WITH JOINT SPACING PER SIDEWALK DETAIL, SHEET 6. CONSTRUCT ISOLATION JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN WALKWAY AS DIRECTED BY THE ENGINEER.
- 3 CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE. FOR TYPE AND DETAILS, SEE SHEETS 27-30.
- 5 CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COMI STANDARD DETAIL ST-14.
- 6 INSTALL HMA CL 1/2" PG58H-22 FOR NEW PAVEMENT. SEE TYPICAL SECTIONS, SHEET 4.
- 17 RESET STONE BENCH.
- 19 RESET BIKE RACK.
- 20 INSTALL DECORATIVE PAVERS AROUND PEDESTRIAN LUMINARIES, SEE DETAIL SHEET 6.
- 21 INSTALL THICKENED EDGE SIDEWALK PER DETAIL, SHEET 6. AS NECESSARY TO INSTALL SILVA CELL SYSTEM.

UTILITY CONSTRUCTION NOTES

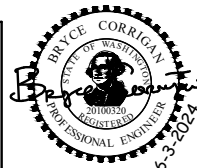
- 1 ADJUST UTILITY TO GRADE, SEE DETAIL SHEET 5.
- 5 ADJUST JUNCTION BOX TO GRADE.
- 6 REPLACE EXISTING STANDARD DUTY VAULT LID, INSTALL AT FINISHED GRADE, COORDINATE WITH PSE.

LEGEND

- EXISTING RIGHT OF WAY
- - - PROPERTY LINE
- - - SAWCUT LINE
- FULL DEPTH ASPHALT PAVEMENT
- CEMENT CONCRETE PAVEMENT

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400SW02.dwg |
|---------------------|------|--------------------|
| ENGINEERING MANAGER | DATE | DESIGNED BY DATE |
| PROJECT MANAGER | DATE | BCC DATE |
| PROJECT ENGINEER | DATE | DRAWN BY DATE |
| | | BMC 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
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

**SIDEWALK PLAN & PROFILE
SCHEDULE C
STA 304+00 TO STA 306+50**

KPG PROJ. No. 9MER010400 SHT 16 OF 46

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400SW02.dwg 6/4/2024 10:13 AM

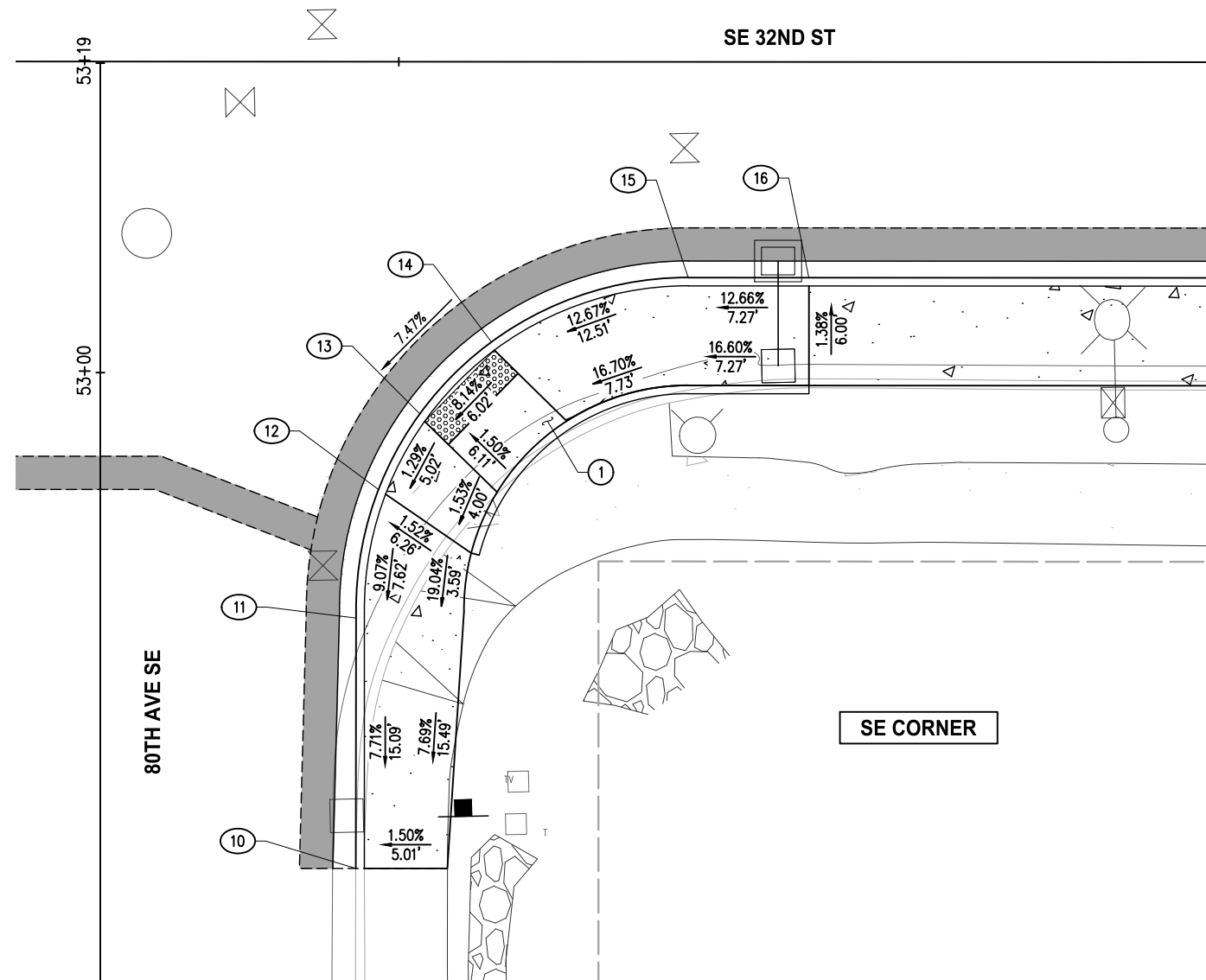
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 AM

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. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

CONSTRUCTION NOTES

- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STANDARD PLAN F-40.12-03.

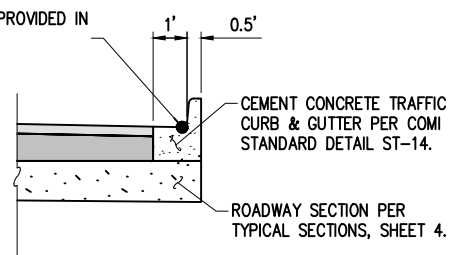


| CURB LAYOUT POINTS | | | | |
|--------------------|----------|-----------|---------|-------------|
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
| 10 | 13+47.43 | 48.62' RT | 101.30 | MATCH |
| 11 | 13+47.44 | 33.53' RT | 102.54 | PC, R=20' |
| 12 | 13+48.77 | 25.77' RT | 103.12 | WING |
| 13 | 13+51.27 | 21.21' RT | 103.63 | RAMP |
| 14 | 13+55.58 | 16.88' RT | 104.14 | RAMP |
| 15 | 13+67.44 | 13.00' RT | 105.40 | PT |
| 16 | 13+74.70 | 13.00' RT | 106.11 | WING |

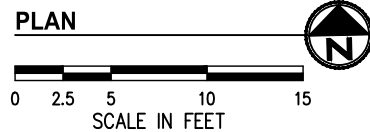
LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- CONCRETE
- DETECTABLE WARNING SURFACE

FLOWLINE ELEVATION PROVIDED IN CURB RAMP TABLES.

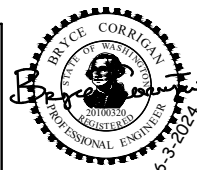


FLOWLINE ELEVATION REFERENCE POINT
NTS



| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|---------------------|
| Approved By | | 9MER010400CURBS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | 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
80TH AVE SE PEDESTRIAN IMPROVEMENTS

CURB RAMP DETAILS
80TH AVE SE & SE 32ND ST-SE

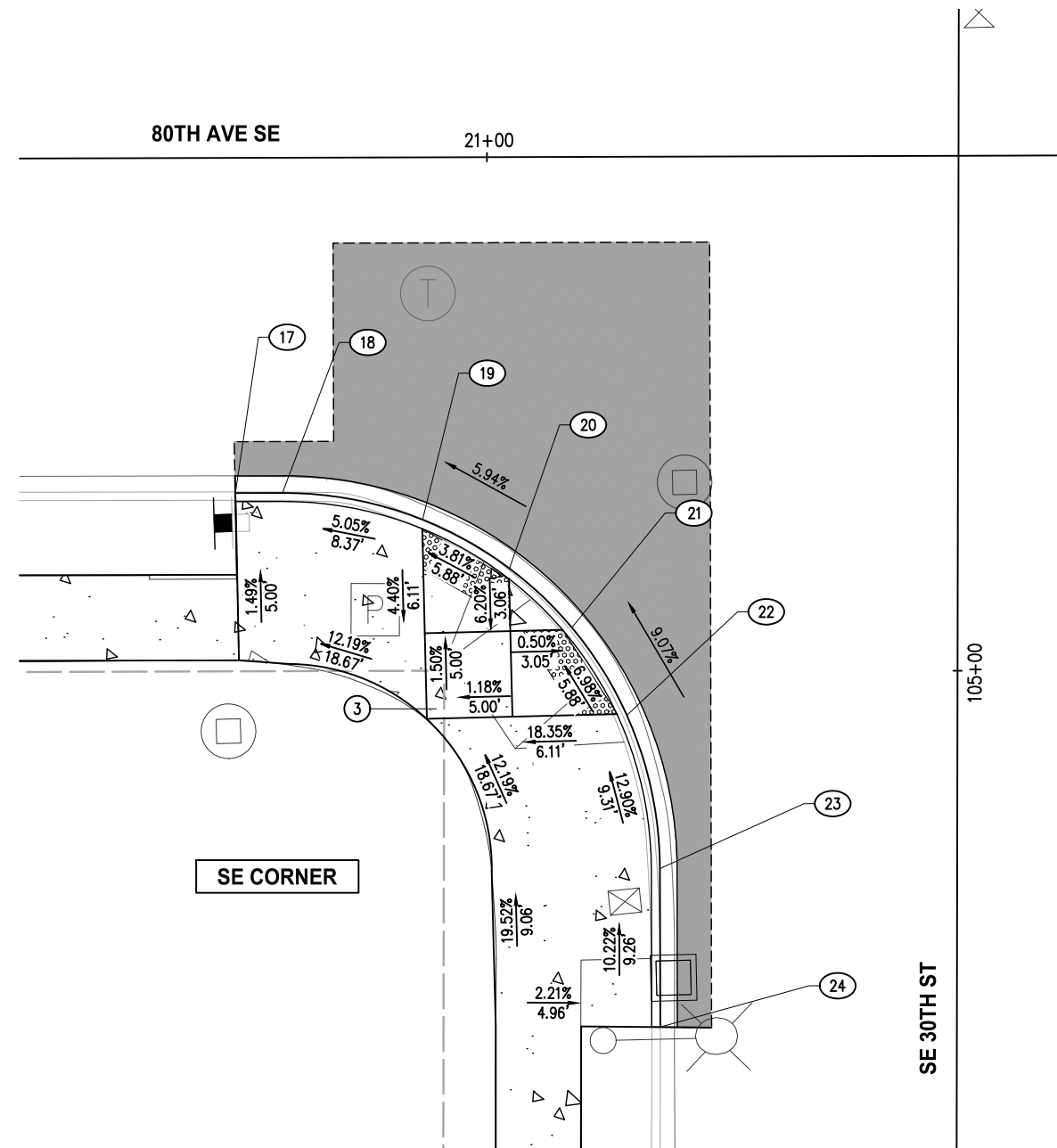
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 AM

GENERAL NOTES

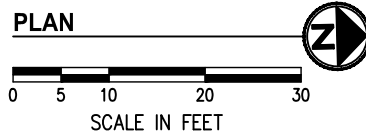
- CURB RAMPS SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
- CURB RAMPS AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
- USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

CONSTRUCTION NOTES

- CONSTRUCT CEMENT CONC. CURB RAMP TYPE COMBINATION PER WSDOT STANDARD PLAN F-40.14-03.
- CONSTRUCT CEMENT CONC. PEDESTRIAN CURB RAMP TYPE COMBINATION PER WSDOT STANDARD PLAN F-40.14-03.



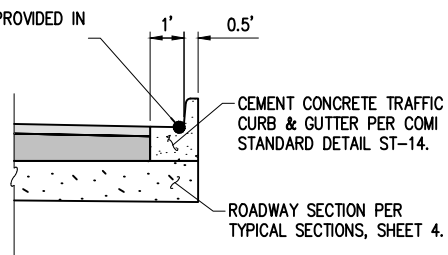
SE CORNER



CURB LAYOUT POINTS

| NUMBER | STATION | OFFSET | FL. ELEV | DESCRIPTION |
|--------|----------|-----------|----------|-------------|
| 17 | 20+85.24 | 19.58' RT | 110.82 | MATCH |
| 18 | 20+87.99 | 19.58' RT | 111.04 | PC, R=22' |
| 19 | 20+96.18 | 21.17' RT | 111.96 | RAMP |
| 20 | 21+01.24 | 24.03' RT | 112.17 | RAMP |
| 21 | 21+04.88 | 27.50' RT | 112.47 | RAMP |
| 22 | 21+08.08 | 32.64' RT | 112.92 | RAMP |
| 23 | 21+09.98 | 41.60' RT | 113.76 | PT |
| 24 | 21+09.98 | 50.86' RT | 114.64 | MATCH |

FLOWLINE ELEVATION PROVIDED IN CURB RAMP TABLES.



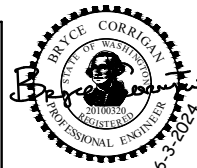
FLOWLINE ELEVATION REFERENCE POINT
NTS

LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- CONCRETE
- DETECTABLE WARNING SURFACE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400CURBS.dwg |
|---------------------|------|---------------------|
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

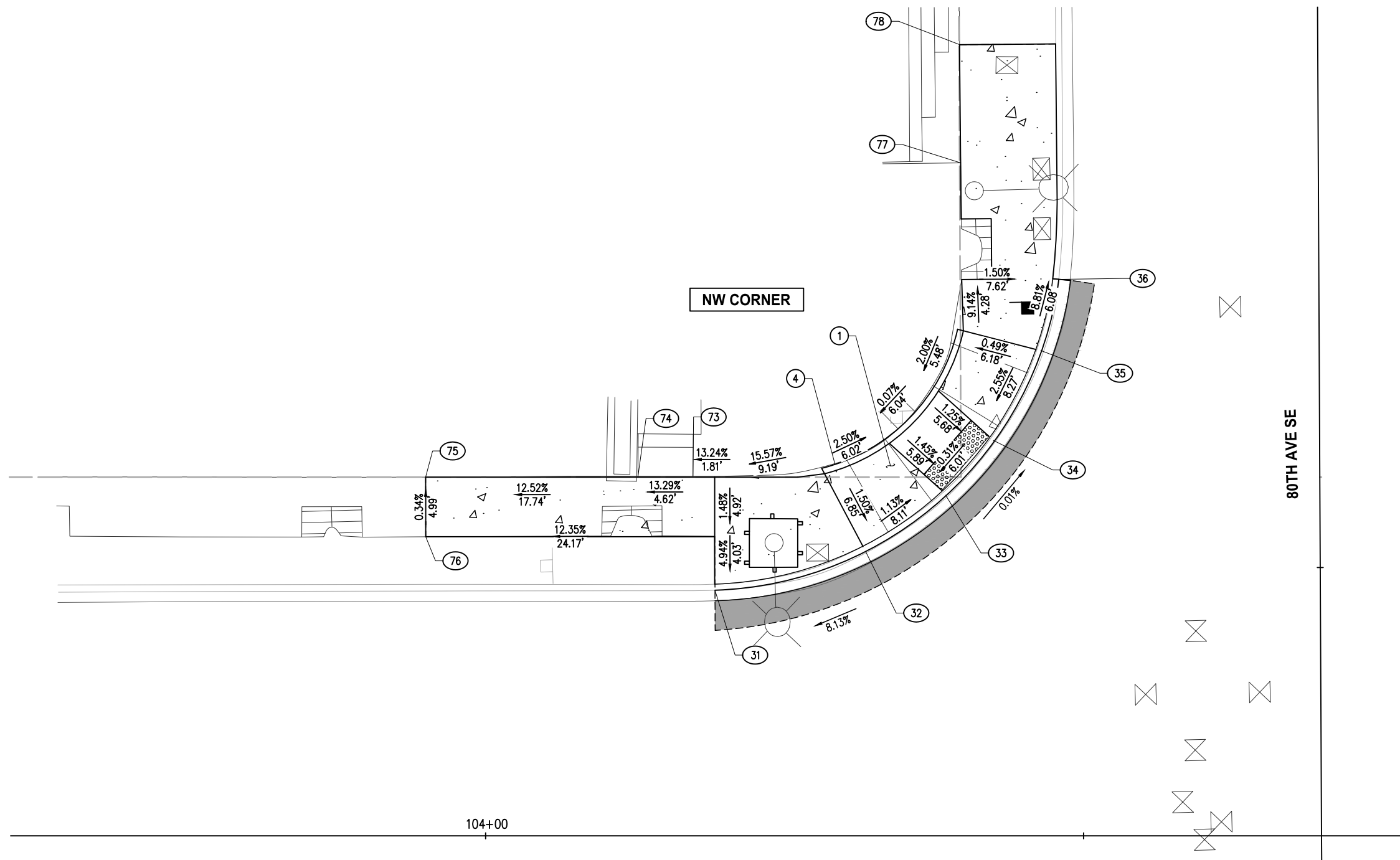
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

| CURB RAMP DETAILS | |
|-----------------------------|--------------|
| 80TH AVE SE & SE 30TH ST-SE | |
| KPG PROJ. No. 9MER010400 | SHT 19 OF 46 |

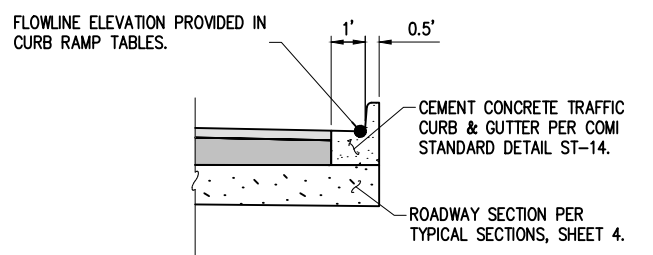
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 AM



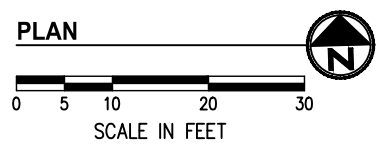
- GENERAL NOTES**
- CURB RAMP SHALL BE CONSTRUCTED TO MEET RUNNING AND CROSS SLOPES SHOWN.
 - CURB RAMP AND LANDINGS SHALL BE PLANAR WITH NO GRADE BREAKS.
 - USE RADIUS DETECTABLE WARNING SURFACE (DWS) WHERE APPLICABLE. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

- CONSTRUCTION NOTES**
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STANDARD PLAN F-40.12-03.

| CURB LAYOUT POINTS | | | | |
|--------------------|----------|-----------|---------|----------------|
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
| 31 | 21+48.34 | 50.63' LT | 106.77 | MATCH, PC =31' |
| 32 | 21+51.48 | 37.99' LT | 108.24 | WING |
| 33 | 21+56.21 | 31.31' LT | 108.60 | RAMP |
| 34 | 21+60.76 | 27.29' LT | 108.62 | RAMP |
| 35 | 21+68.26 | 23.29' LT | 108.40 | WING |
| 36 | 21+74.20 | 21.75' LT | 107.90 | MATCH |
| 73 | 21+57.87 | 52.43' LT | 107.17 | MATCH EXISTING |
| 74 | 21+57.90 | 57.02' LT | 106.56 | MATCH EXISTING |
| 75 | 21+57.92 | 74.78' LT | 104.33 | MATCH EXISTING |
| 76 | 21+52.93 | 74.79' LT | 104.35 | MATCH EXISTING |
| 77 | 21+83.98 | 29.90' LT | 107.69 | MATCH EXISTING |
| 78 | 21+93.87 | 29.93' LT | 106.83 | MATCH EXISTING |



FLOWLINE ELEVATION REFERENCE POINT
NTS



LEGEND

- EXISTING RIGHT OF WAY
- - - PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- ▨ CONCRETE
- ▩ DETECTABLE WARNING SURFACE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|---------------------|
| Approved By | | 9MER010400CURBS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



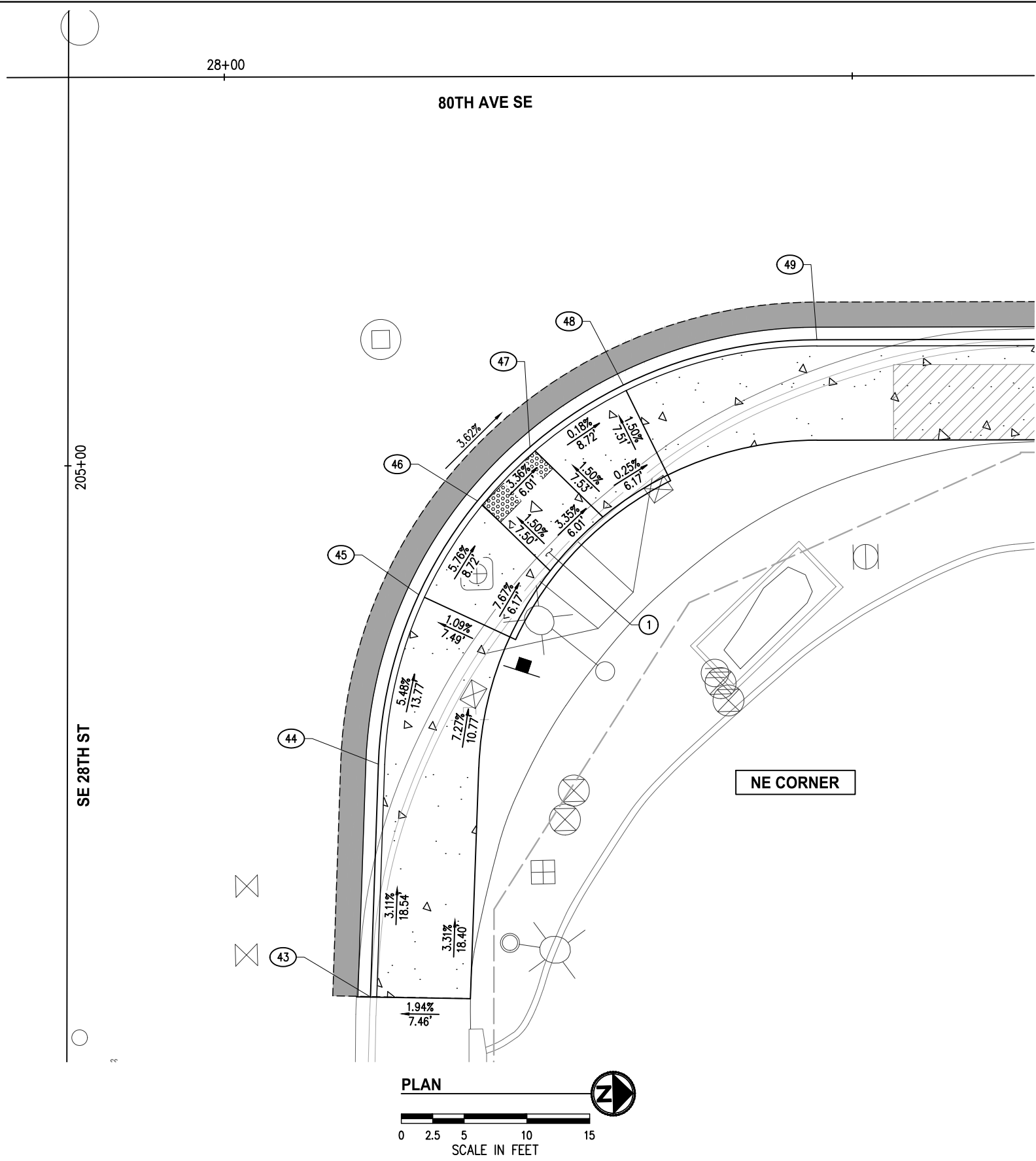
KPG PSOMAS
 Seattle
 3131 Elliott Avenue, Suite 400
 Seattle, WA 98121 206.286.1640
 Tacoma | Wenatchee | KPG.com

BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 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. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

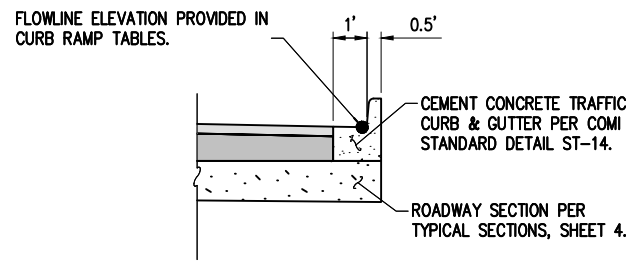
CONSTRUCTION NOTES

- ① CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STANDARD PLAN F-40.12-03.
- ② CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STANDARD PLAN F-40.15-03.
- ③ CONSTRUCT CEMENT CONC. CURB RAMP TYPE COMBINATION PER WSDOT STANDARD PLAN F-40.14-03.

| CURB LAYOUT POINTS | | | | |
|--------------------|----------|-----------|---------|-------------|
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
| 43 | 28+11.49 | 73.25' RT | 93.06 | MATCH |
| 44 | 28+12.16 | 54.73' RT | 92.45 | PT |
| 45 | 28+15.42 | 41.25' RT | 91.98 | WING |
| 46 | 28+20.09 | 33.78' RT | 91.69 | RAMP |
| 47 | 28+24.28 | 29.50' RT | 91.49 | RAMP |
| 48 | 28+31.73 | 24.58' RT | 91.46 | WING |
| 49 | 28+47.14 | 21.00' RT | 91.24 | PT, R=30' |

LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- CONCRETE
- DETECTABLE WARNING SURFACE



FLOWLINE ELEVATION REFERENCE POINT
NTS

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|---------------------|
| Approved By | | 9MER010400CURBS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



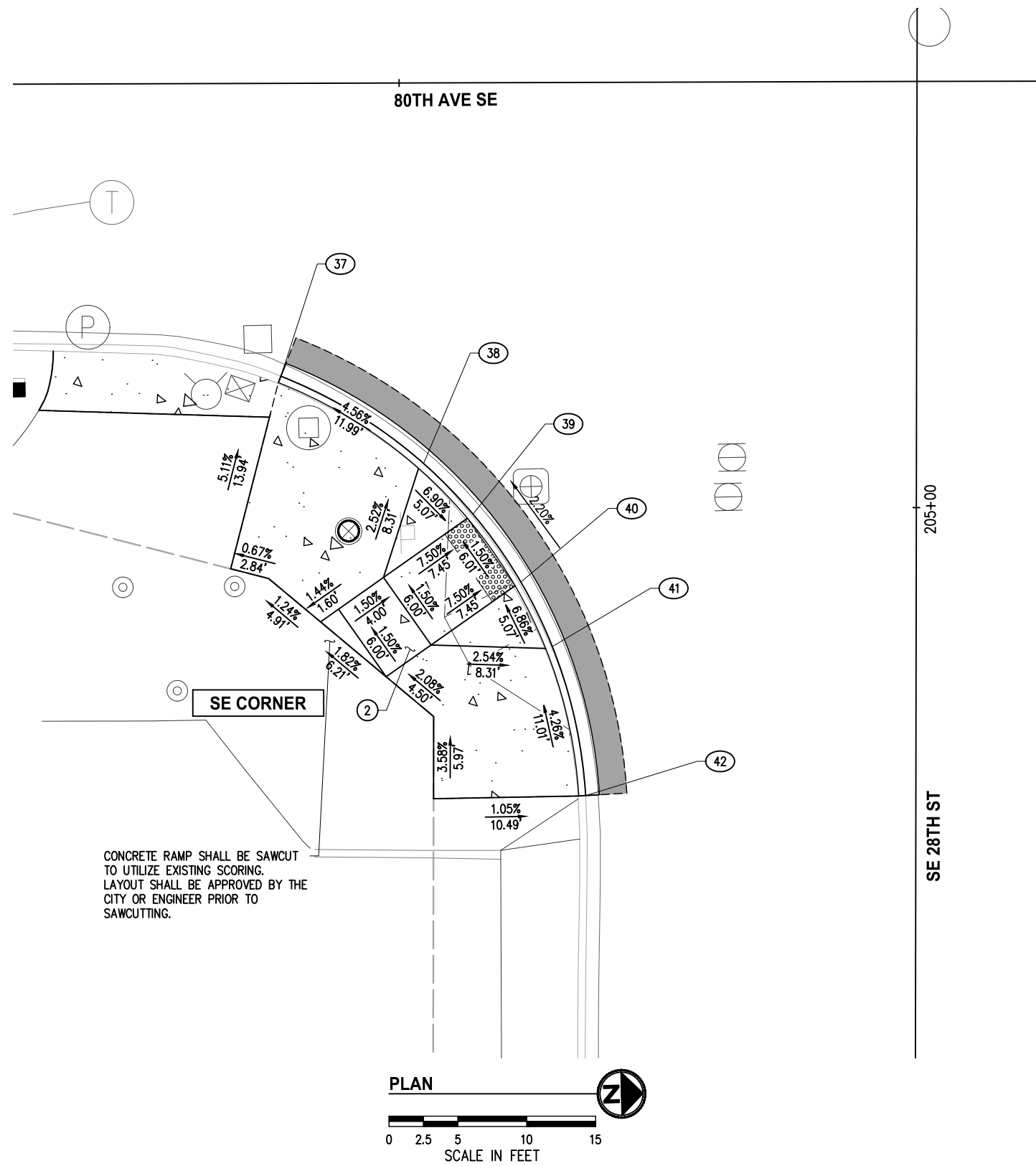
KPG PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT



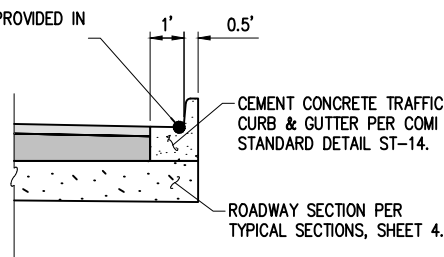
CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 AM



CONCRETE RAMP SHALL BE SAWCUT TO UTILIZE EXISTING SCORING. LAYOUT SHALL BE APPROVED BY THE CITY OR ENGINEER PRIOR TO SAWCUTTING.

FLOWLINE ELEVATION PROVIDED IN CURB RAMP TABLES.



FLOWLINE ELEVATION REFERENCE POINT
NTS

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. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

CONSTRUCTION NOTES

- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STANDARD PLAN F-40.15-03.

CURB LAYOUT POINTS

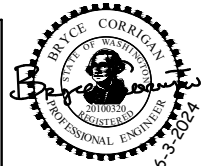
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
|--------|----------|-----------|---------|-------------|
| 37 | 27+41.35 | 21.26' RT | 90.80 | MATCH |
| 38 | 27+51.69 | 27.63' RT | 91.09 | WING |
| 39 | 27+55.26 | 31.31' RT | 91.24 | RAMP |
| 40 | 27+58.72 | 36.25' RT | 91.31 | RAMP |
| 41 | 27+60.99 | 40.94' RT | 91.47 | WING |
| 42 | 27+63.38 | 51.76' RT | 91.75 | MATCH |

LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- CONCRETE
- DETECTABLE WARNING SURFACE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400CURBS.dwg |
|---------------------|------------|---------------------|
| ENGINEERING MANAGER | DATE | MEF 06/2024 |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | BMC 06/2024 |
| | 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
80TH AVE SE PEDESTRIAN IMPROVEMENTS

| CURB RAMP DETAILS | |
|-----------------------------|--------------|
| 80TH AVE SE & SE 28TH ST-SE | |
| KPG PROJ. No. 9MER010400 | SHT 23 OF 46 |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400CURBS.dwg 6/4/2024 10:13 AM



- 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. DETECTABLE WARNING SURFACE SHALL BE INSTALLED PER WSDOT STANDARD PLAN F-45.10-02.

- CONSTRUCTION NOTES**
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STANDARD PLAN F-40.12-03.
 - CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STANDARD PLAN F-40.15-03.

CURB LAYOUT POINTS

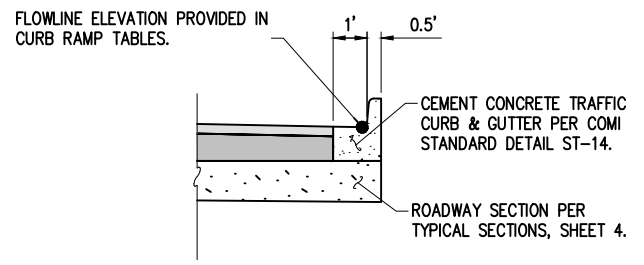
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
|--------|----------|-----------|---------|-------------|
| 50 | 27+43.35 | 22.14' LT | 90.99 | MATCH, WING |
| 51 | 27+55.44 | 28.20' LT | 91.27 | RAMP |
| 52 | 27+59.70 | 32.52' LT | 91.36 | RAMP |
| 53 | 27+63.74 | 39.16' LT | 91.50 | WING |
| 54 | 27+65.26 | 43.57' LT | 91.59 | END DWY |
| 55 | 27+66.02 | 47.66' LT | 91.68 | MATCH |

CURB LAYOUT POINTS

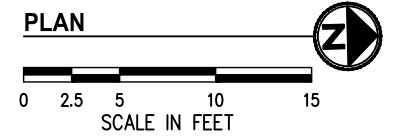
| NUMBER | STATION | OFFSET | FL ELEV | DESCRIPTION |
|--------|----------|-----------|---------|-------------------|
| 56 | 28+13.35 | 43.47' LT | 91.38 | MATCH, PC R=42.0' |
| 57 | 28+19.18 | 34.77' LT | 91.08 | WING |
| 58 | 28+22.71 | 31.22' LT | 90.96 | RAMP |
| 59 | 28+27.79 | 27.36' LT | 90.82 | RAMP |
| 60 | 28+32.33 | 24.80' LT | 90.70 | WING |
| 61 | 28+37.08 | 22.84' LT | 90.58 | MATCH |

LEGEND

- EXISTING RIGHT OF WAY
- - - PROPOSED RIGHT OF WAY
- PROPERTY LINE
- NEW PAVEMENT
- CONCRETE
- DETECTABLE WARNING SURFACE

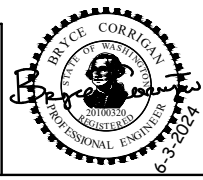


FLOWLINE ELEVATION REFERENCE POINT
NTS



| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|---------------------|
| Approved By | | 9MER010400CURBS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

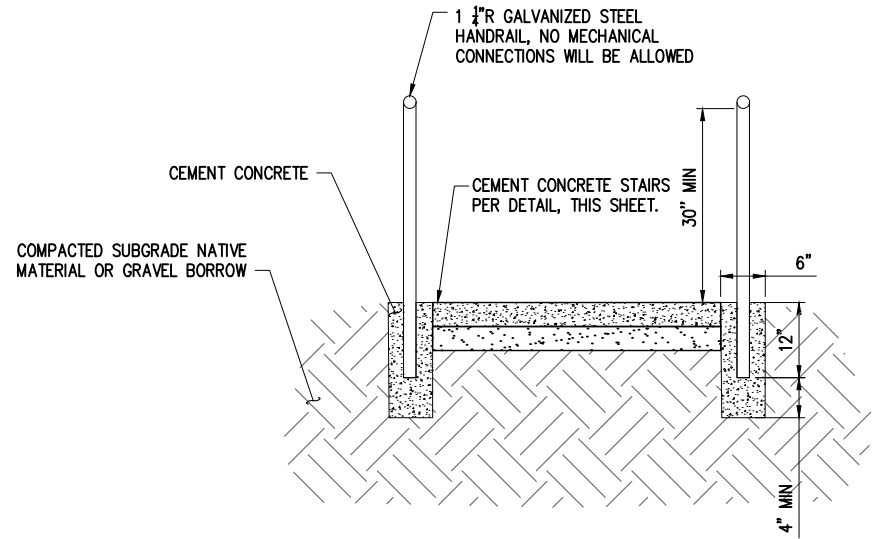
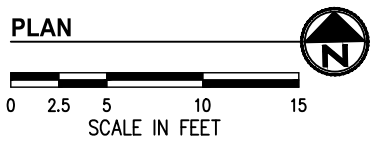
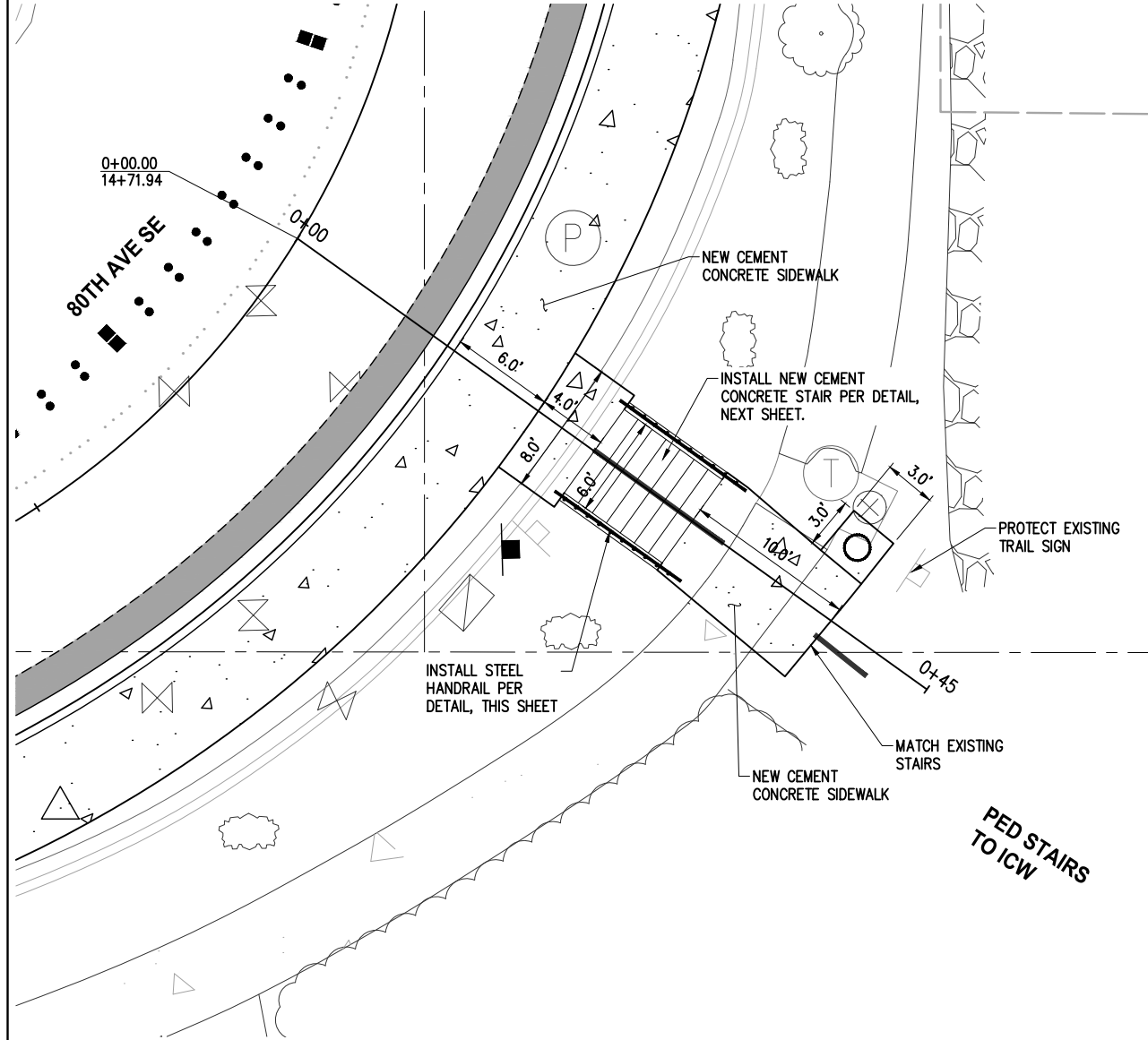
BID DOCUMENT



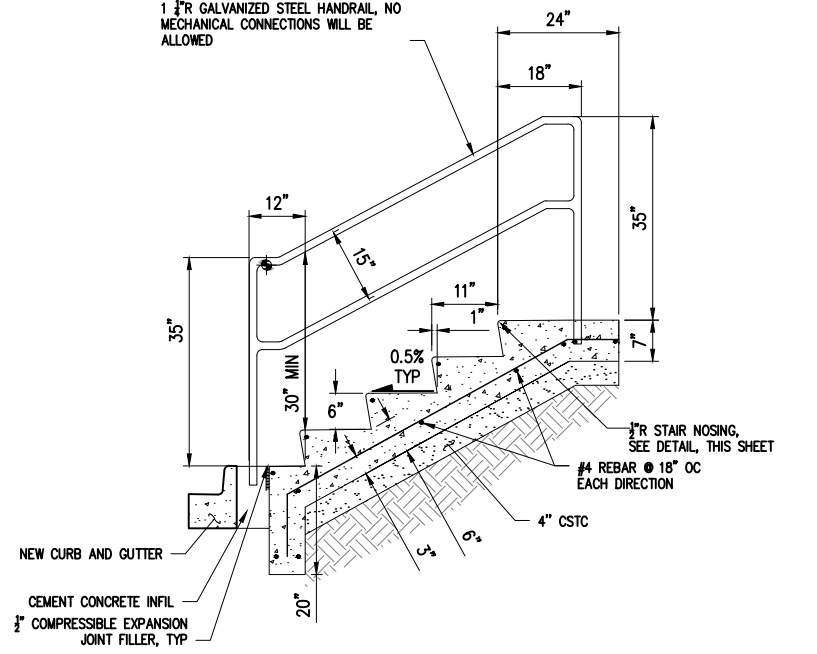
CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

CURB RAMP DETAILS
80TH AVE SE & SE 28TH ST-NW&SW
KPG PROJ. No. 9MER010400 SHT 24 OF 46

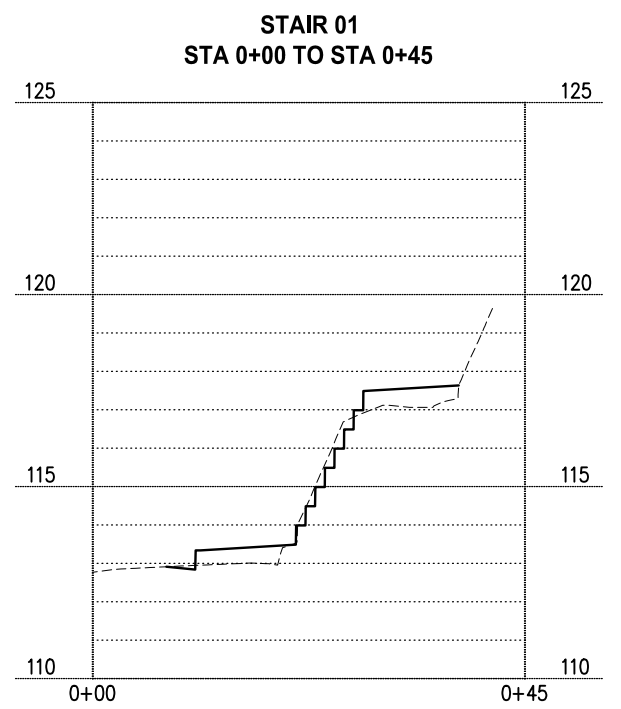
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400STAIRS.dwg 6/4/2024 10:13 AM



HANDRAIL SECTION
NTS



CEMENT CONCRETE STAIR DETAIL
NTS



PROFILE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400STAIRS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



BID DOCUMENT

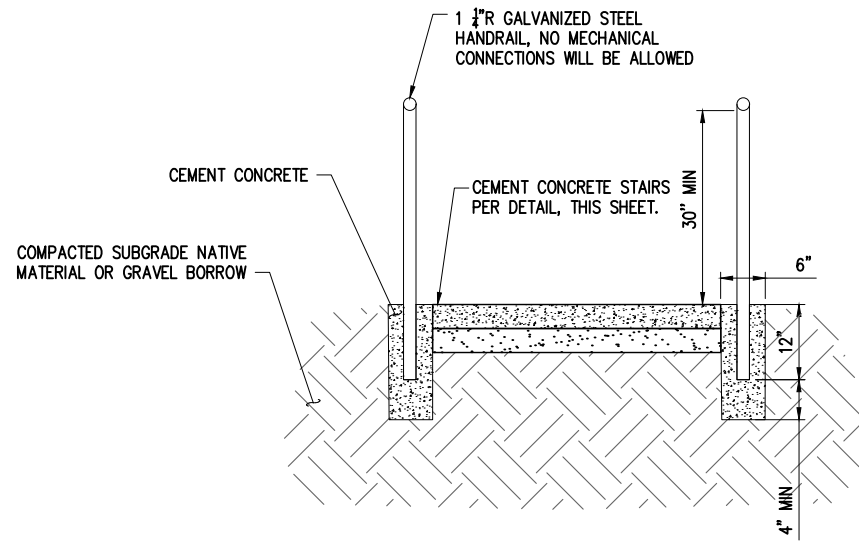
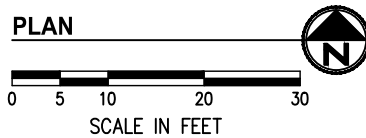
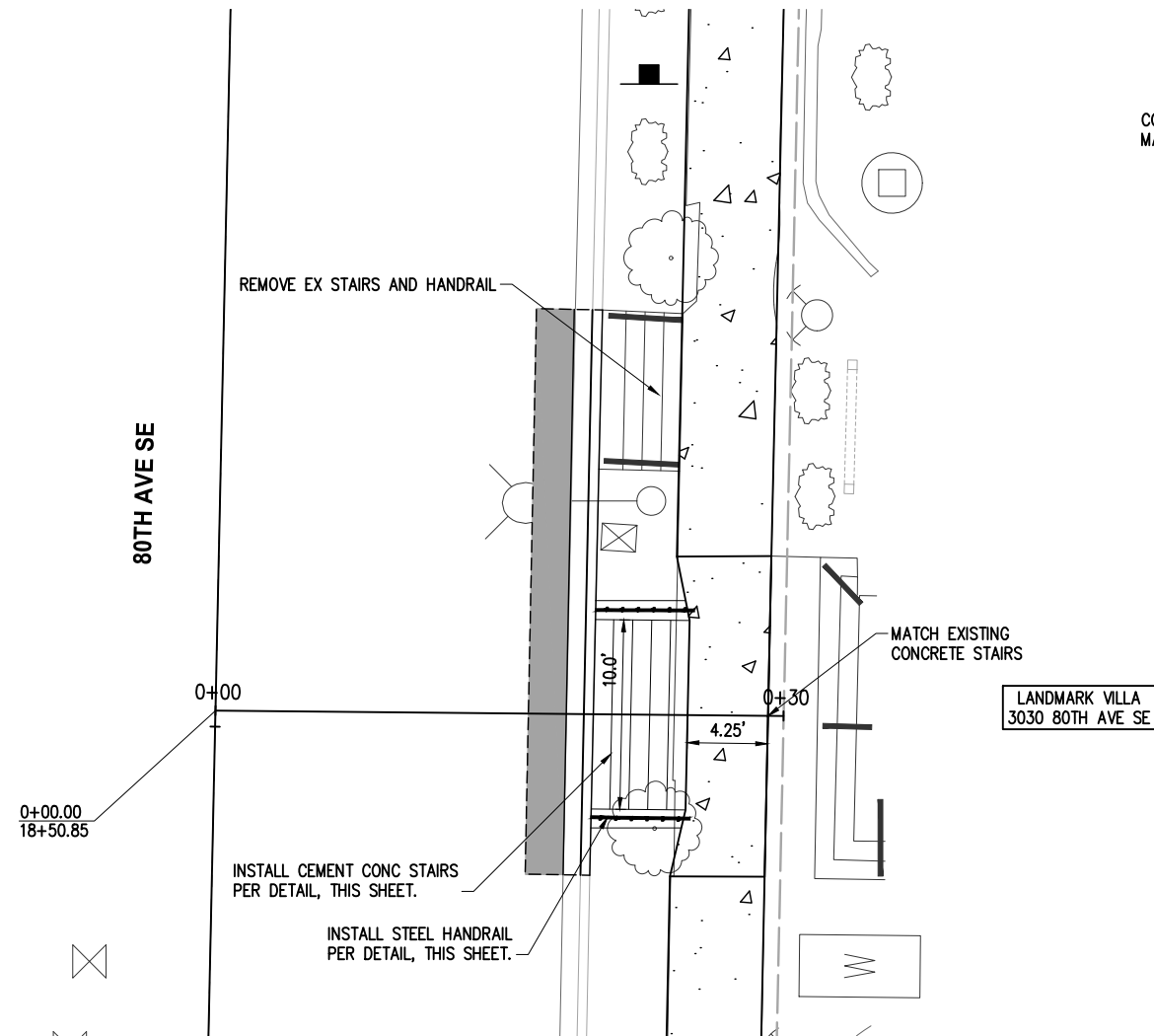


**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

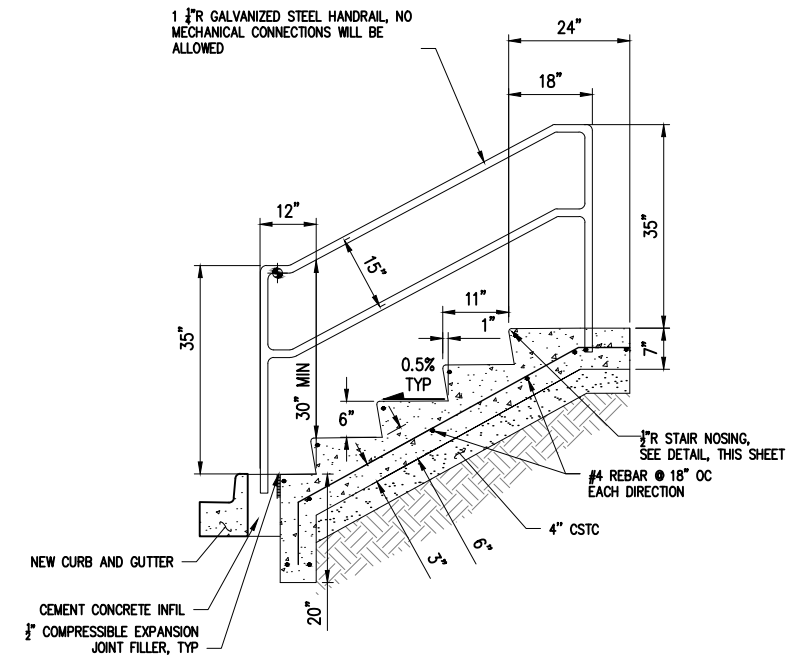
**STAIR PLAN & PROFILE
STAIR 01**

KPG PROJ. No.9MER010400 SHT 25 OF 46

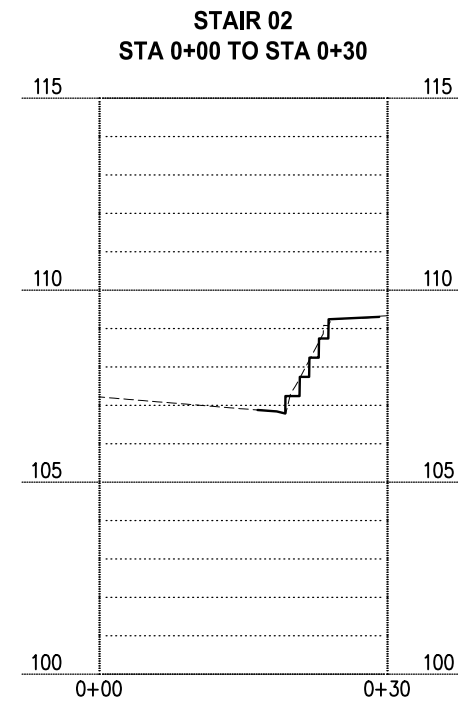
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400STAIRS.dwg 6/4/2024 10:14 AM



HANDRAIL SECTION
NTS



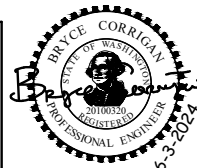
CEMENT CONCRETE STAIR DETAIL
NTS



PROFILE

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400STAIRS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



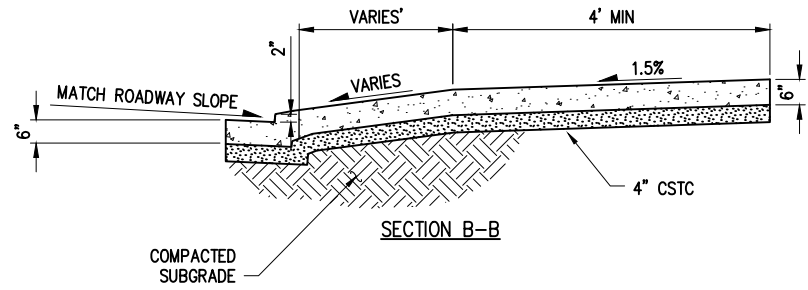
KPG PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT

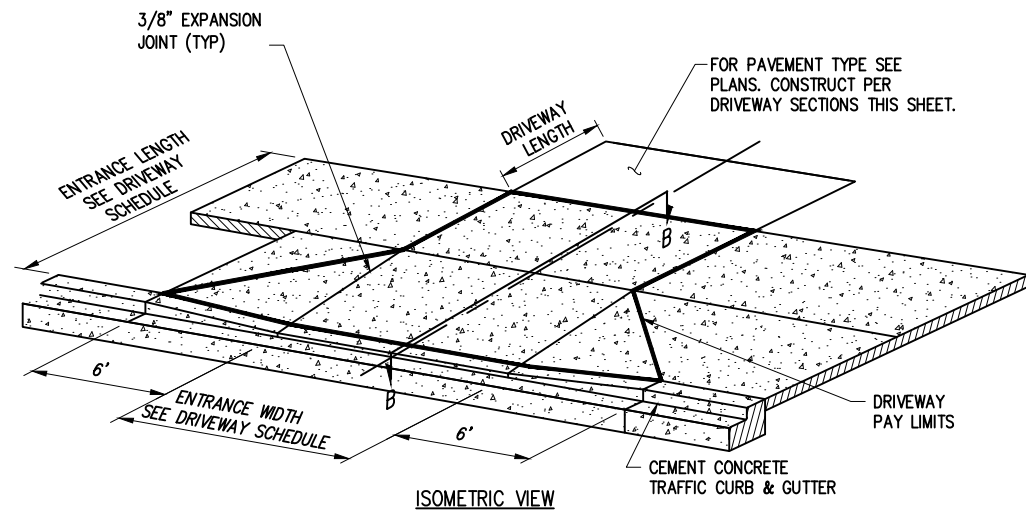


CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

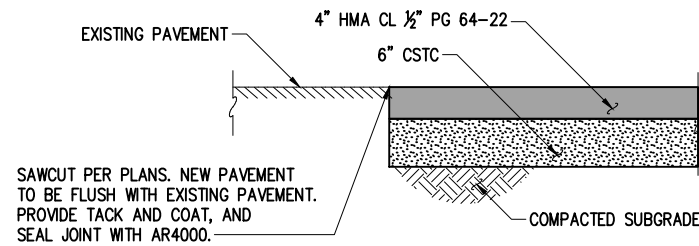
STAIR PLAN & PROFILE
STAIR 02



| DRIVEWAY SCHEDULE | | | | | |
|-------------------|------------|-------|---------------------|----------------------|------------------|
| DRIVEWAY NO. | CL STATION | LT/RT | ENTRANCE WIDTH (LF) | DRIVEWAY LENGTH (LF) | PAVEMENT SECTION |
| 1 | 22+36 | RT | 27.0 | 10.0 | HMA |
| 2 | 23+85 | RT | 18.5 | 0.0 | HMA |
| 3 | 25+88 | RT | 20.0 | 0.0 | HMA |
| 4 | 28+99 | RT | 32.0 | 5.0 | HMA |
| 5 | 29+69 | RT | 24.0 | 4.2 | HMA |
| 6 | 30+96 | RT | 24.0 | 10.0 | HMA |
| 7 | 304+72 | LT | 21.0 | 1.0 | CONC |
| 8 | 305+98 | LT | 13.5 | 1.0 | CONC |



CEMENT CONCRETE DRIVEWAY ENTRANCE
NTS

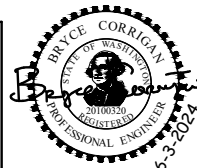


HMA DRIVEWAY SECTION
NTS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_DRWY.dwg 6/4/2024 10:14 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | FILENAME |
|---------------------|------|------------------------|
| ENGINEERING MANAGER | DATE | 9MER010400DET_DRWY.dwg |
| DESIGNED BY | DATE | MEF 06/2024 |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| DRAWN BY | DATE | BMC 06/2024 |
| PROJECT ENGINEER | DATE | CHECKED BY |



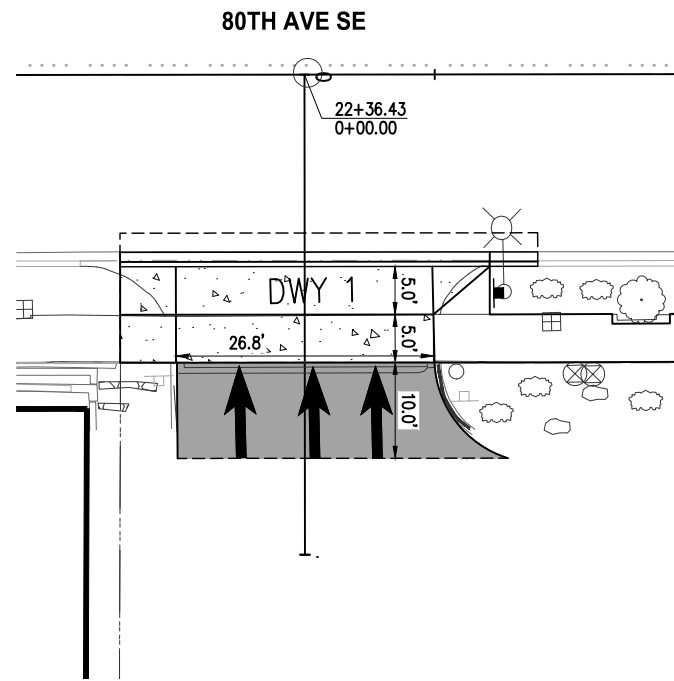
KPG PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT

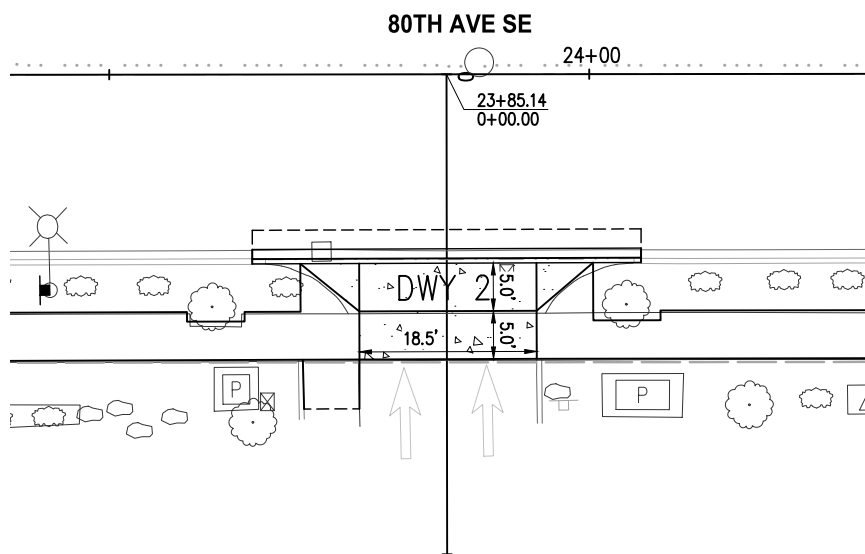


**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

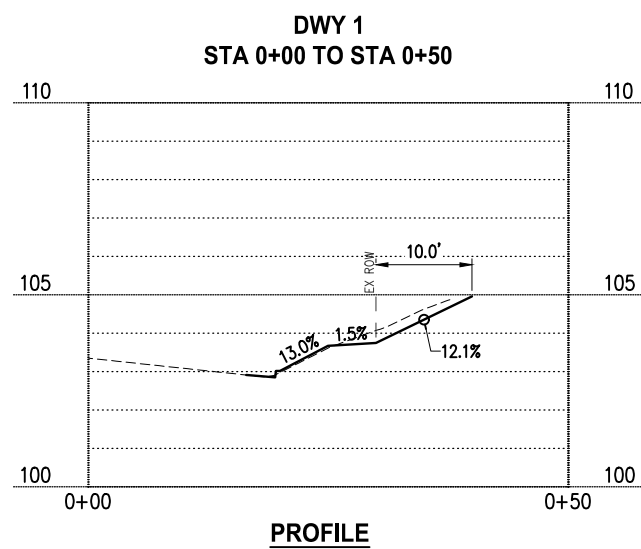
K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DRWY.dwg 6/4/2024 10:14 AM



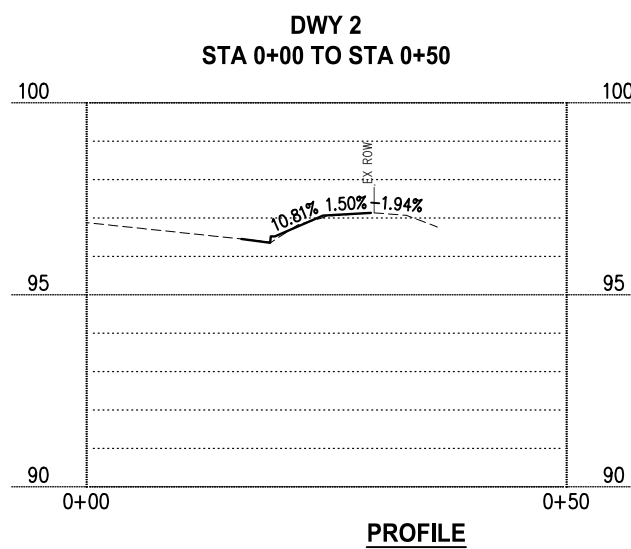
PLAN
SCALE IN FEET



PLAN
SCALE IN FEET



PROFILE



PROFILE

GENERAL NOTES

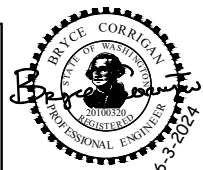
1. FOR SIDEWALK PLANS, SEE SHEETS 13-15, AND 11-12.
2. ALL WORK SHALL BE PERFORMED IN THE ROW UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL WORK SHALL BE PERFORMED TO THE EXTENTS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE ENGINEER.
5. CONTRACTOR SHALL PROVIDE PROPERTY OWNER 3 DAYS NOTICE TO ANY DISRUPTION OF ACCESS.
6. DRIVEWAYS SHALL BE CONSTRUCTED 1/2 AT A TIME.

LEGEND

- CONCRETE SIDEWALK/ DRIVEWAY ENTRANCE, SEE DETAIL SHEET 27
- HMA CL 1/2" PG 58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|--------------------|
| Approved By | | 9MER010400DRWY.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



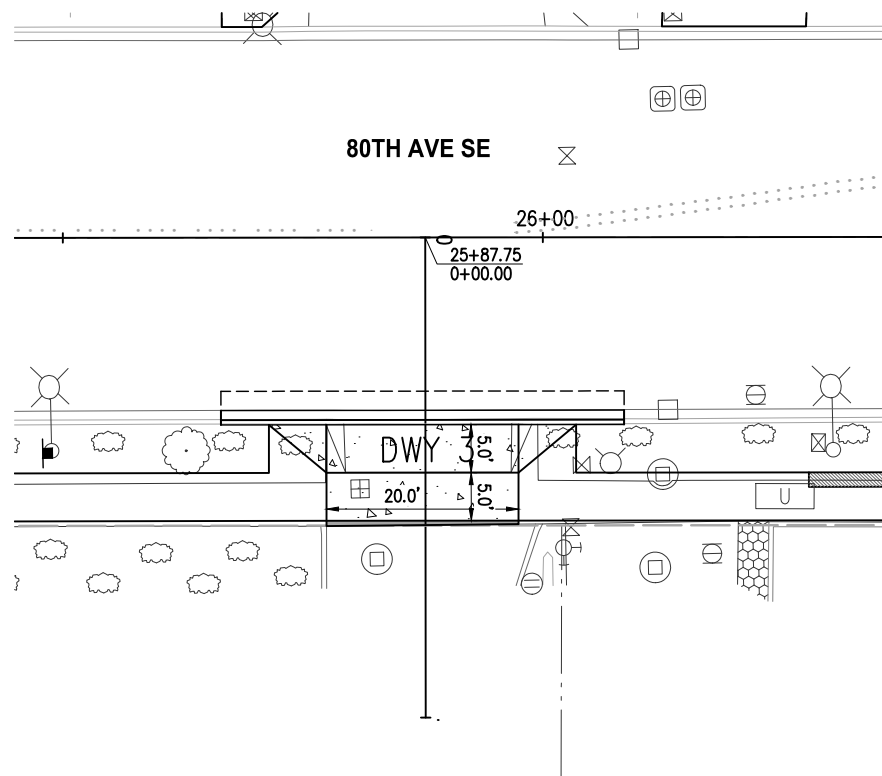
KPG PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT

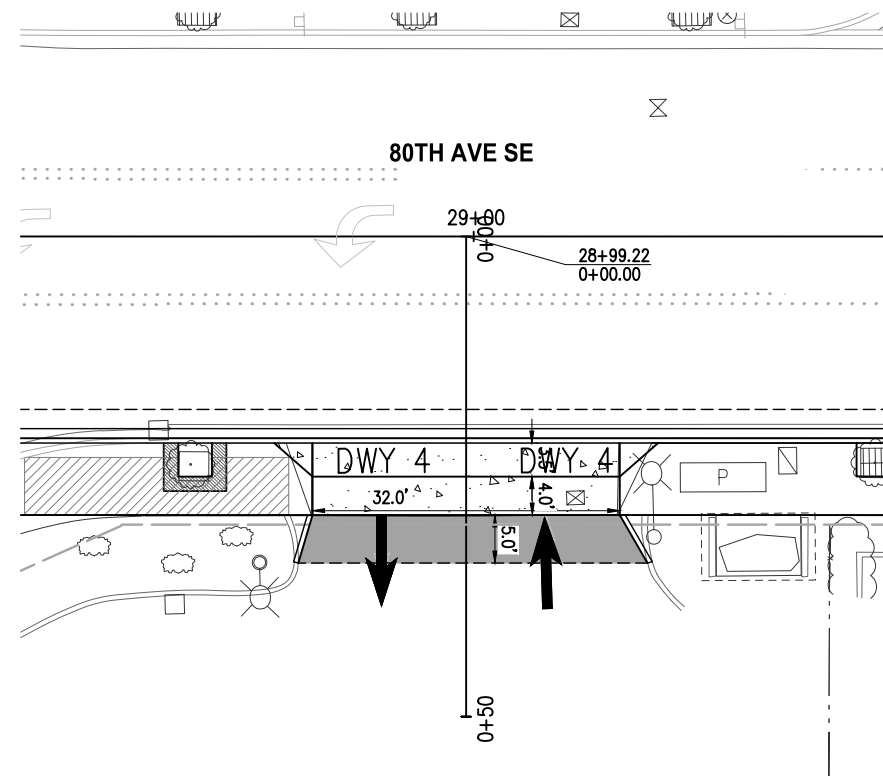


**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

| | |
|--|----------------------------|
| DRIVEWAY PLAN & PROFILE DWY 1 & 2 | |
| KPG PROJ. No. 9MER010400 | SHT <u>28</u> OF <u>46</u> |

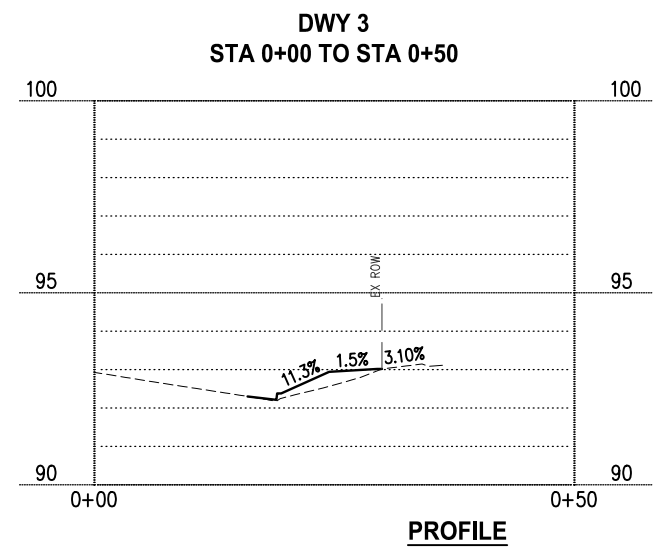


PLAN
SCALE IN FEET

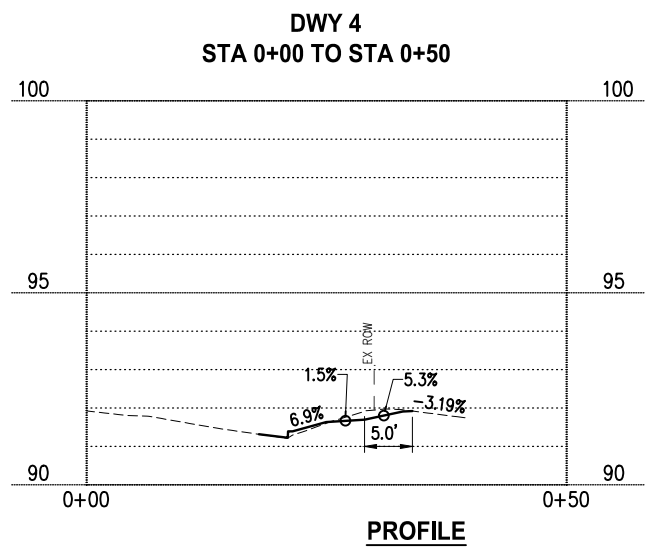


PLAN
SCALE IN FEET

- GENERAL NOTES**
1. FOR SIDEWALK PLANS, SEE SHEETS 13-15, AND 11-12.
 2. ALL WORK SHALL BE PERFORMED IN THE ROW UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 3. ALL WORK SHALL BE PERFORMED TO THE EXTENTS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 4. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE ENGINEER.
 5. CONTRACTOR SHALL PROVIDE PROPERTY OWNER 3 DAYS NOTICE TO ANY DISRUPTION OF ACCESS.
 6. DRIVEWAYS SHALL BE CONSTRUCTED 1/2 AT A TIME.



PROFILE



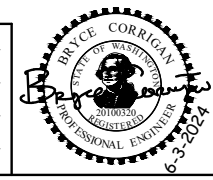
PROFILE

- LEGEND**
- CONCRETE SIDEWALK/ DRIVEWAY ENTRANCE, SEE DETAIL SHEET 27
 - HMA CL 1/2" PG 58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DRWY.dwg 6/4/2024 10:14 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|--------------------|
| Approved By | | 9MER010400DRWY.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | CHECKED BY |
| | | |



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

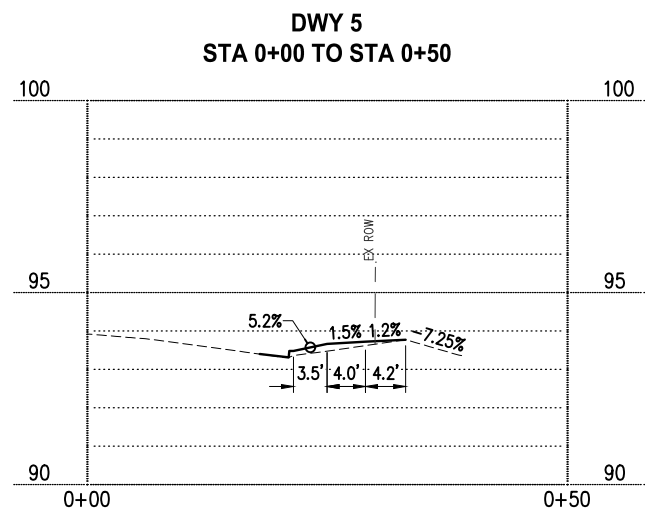
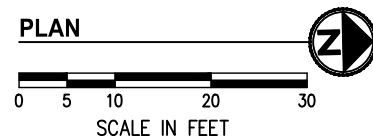
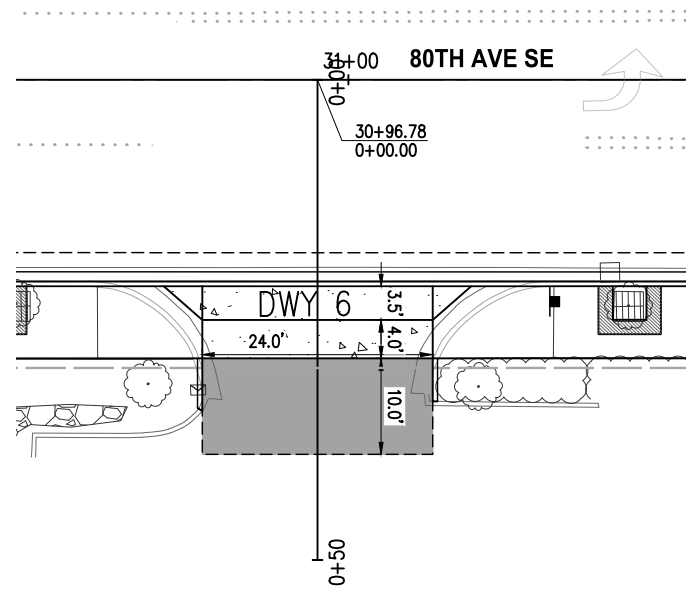
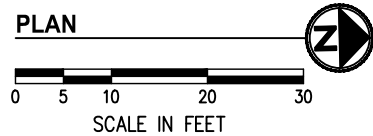
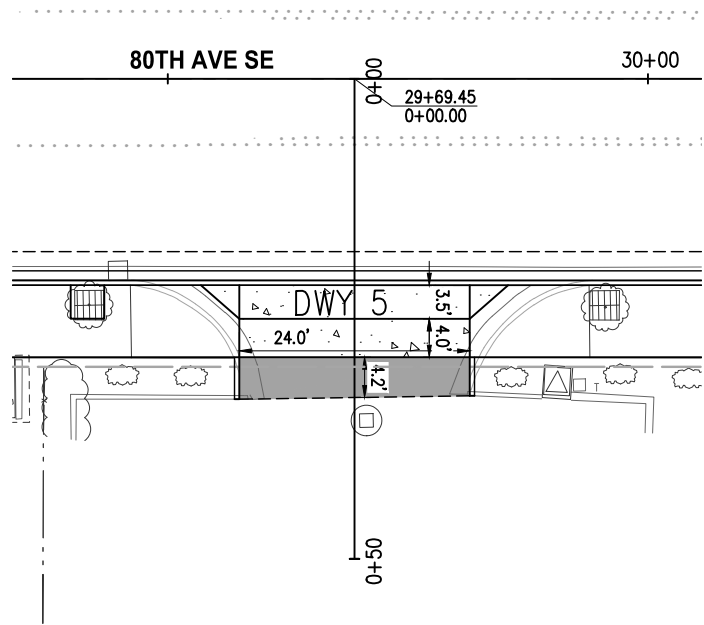
BID DOCUMENT



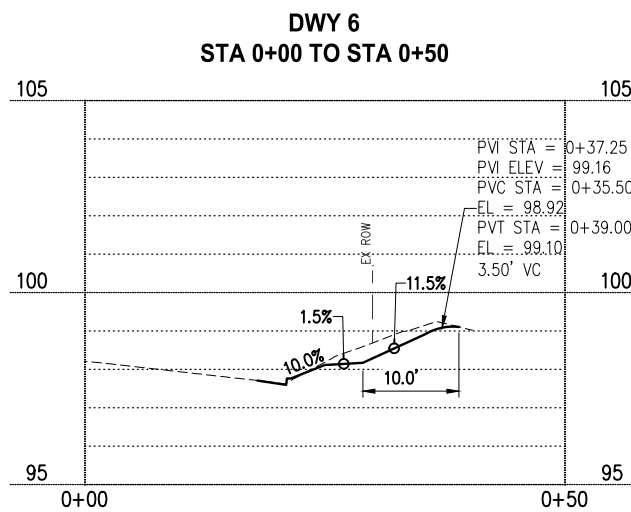
**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

**DRIVEWAY PLAN & PROFILE
DWY 3 & 4**
KPG PROJ. No. 9MER010400 SHT 29 OF 46

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DRWY.dwg 6/4/2024 10:14 AM



PROFILE



PROFILE

GENERAL NOTES

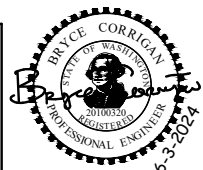
1. FOR SIDEWALK PLANS, SEE SHEETS 13-15, AND 11-12.
2. ALL WORK SHALL BE PERFORMED IN THE ROW UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL WORK SHALL BE PERFORMED TO THE EXTENTS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE ENGINEER.
5. CONTRACTOR SHALL PROVIDE PROPERTY OWNER 3 DAYS NOTICE TO ANY DISRUPTION OF ACCESS.
6. DRIVEWAYS SHALL BE CONSTRUCTED 1/2 AT A TIME.

LEGEND

- CONCRETE SIDEWALK/ DRIVEWAY ENTRANCE, SEE DETAIL SHEET 27
- HMA CL 1/2 PG 58H-22 FOR DRIVEWAY. SEE SECTION, SHEET 27.

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|--------------------|
| Approved By | | 9MER010400DRWY.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MEF 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MEF 06/2024 |
| | | DRAWN BY |
| | | BMC 06/2024 |
| | | 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
 80TH AVE SE PEDESTRIAN
 IMPROVEMENTS**

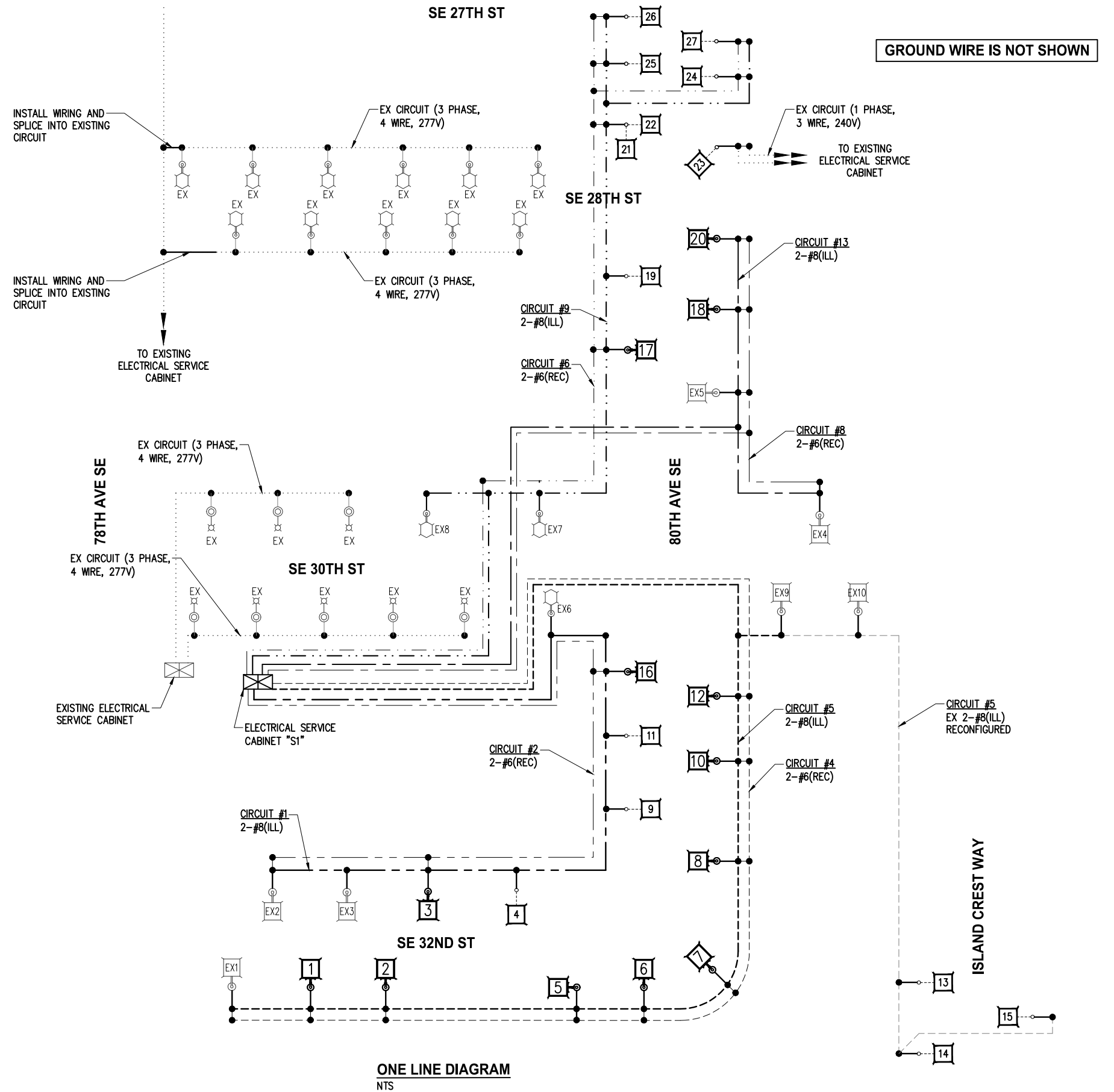
| | |
|------------------------------------|--------------|
| DRIVEWAY PLAN & PROFILE | |
| DWY 5 & 6 | |
| KPG PROJ. No. 9MER010400 | SHT 30 OF 46 |

PANEL SCHEDULE

| # S1 | | LOCATION: APPROX 102+52, 32' LT SERVING: ILLUMINATION, RECEPTACLES | | VOLTS: 120/240 MAIN BREAKER: 200 AMPS | | PHASE: 1 WIRE: 3 | |
|-------|--|---|-----------|--|-----|------------------------------------|-------|
| CKT # | LOAD DESCRIPTION | KVA | TRIP AMPS | TRIP AMPS | KVA | LOAD DESCRIPTION | CKT # |
| 1 | ILLUMINATION (EX2,EX3,3,4,9,11,16,EX6) | 1.0 | 20 | 20 | 0.3 | RECEPTACLE (EX2,3,16) | 2 |
| 5 | ILLUMINATION (EX1,1,2,5,6,7,8,10,12,13,14,15,EX9,EX10) | 1.8 | 20 | 20 | 0.6 | RECEPTACLE (EX1,1,2,5,6,7,8,10,12) | 4 |
| 9 | ILLUMINATION (EX7,EX8,17,19,21,22,24,25,26,27) | 1.3 | 20 | 20 | 0.5 | RECEPTACLE (17,21,22,24,25,26,27) | 6 |
| 13 | ILLUMINATION (EX4,EX5,18,20) | 0.5 | 20 | 20 | 0.3 | RECEPTACLE (EX4,EX5,18,20) | 8 |
| 17 | ILLUMINATION (SPARE) | -- | 20 | 20 | 0.3 | CABINET GFCI RECEPTACLE | 10 |
| 21 | ILLUMINATION (SPARE) | -- | 20 | 20 | 0.3 | CONTROL (PHOTOCELL) | 12 |
| | | | 13 | 15 | -- | SPARE | 14 |
| | | | 15 | 16 | -- | SPARE | 16 |
| | | | 17 | 18 | -- | SPARE | 18 |
| | | | 19 | 20 | -- | SPARE | 20 |
| | | | 21 | 22 | -- | SPARE | 22 |
| | | | 23 | 24 | -- | SPARE | 24 |

REMARKS: EXACT FOUNDATION LOCATION SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD AND POTHOLED PRIOR TO EXCAVATION OF ILLUMINATION AND FEEDER CONDUIT TRENCHING.

CONNECTED LOAD: 6.9 KVA 28.8 AMPS
DEMAND LOAD (125%): 8.7 KVA 36.0 AMPS



LEGEND

| EXISTING | NEW | DESCRIPTION |
|----------|-----|---|
| ⊗ EX | ⊗ # | EXISTING CONCRETE POLE AND SHOEBOX LUMINAIRE TO REMAIN (CONNECTED TO NEW CIRCUIT) |
| ⊗ | ⊗ | EXISTING PEDESTRIAN POLE AND LUMINAIRE TO REMAIN (REMAINS ON EXISTING CIRCUIT) |
| ⊗ | ⊗ | RE-ROUTE EXISTING PEDESTRIAN LUMINAIRE WIRING TO DIFFERENT CIRCUIT |
| | ⊗ # | NEW CONCRETE POLE AND SHOEBOX LUMINAIRE |
| | ⊗ # | NEW SHOEBOX LUMINAIRE ON EXISTING CONCRETE POLE |
| ⊗ | ⊗ | ELECTRICAL SERVICE CABINET |
| | • | SPLICE |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILLDET.dwg 6/4/2024 10:14 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400ILLDET.dwg |
|---------------------|------------|----------------------|
| ENGINEERING MANAGER | DATE | MM 06/2024 |
| PROJECT MANAGER | DATE | MM 06/2024 |
| PROJECT ENGINEER | DATE | JC 06/2024 |
| | CHECKED BY | DATE |



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

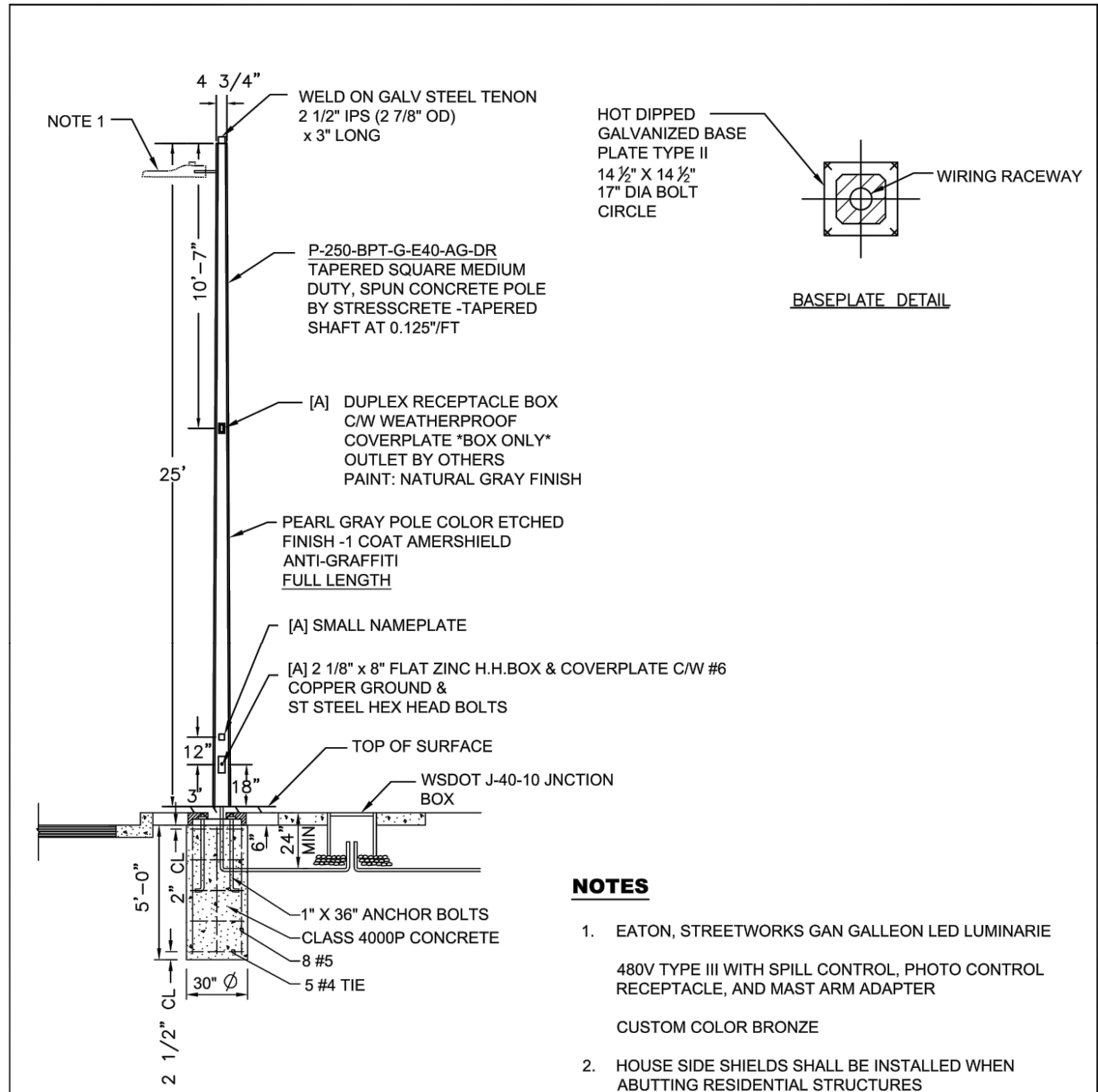
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

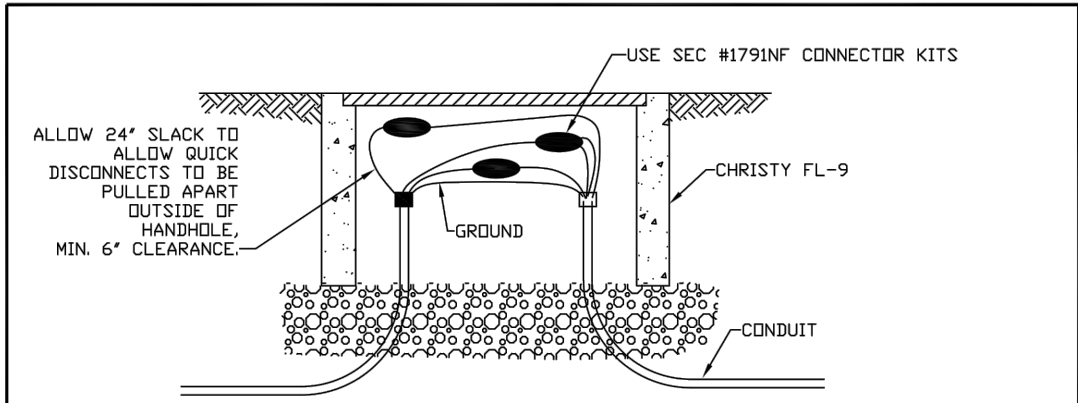
DETAILS
ILLUMINATION ONE-LINE

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILLDET.dwg 6/4/2024 10:14 AM

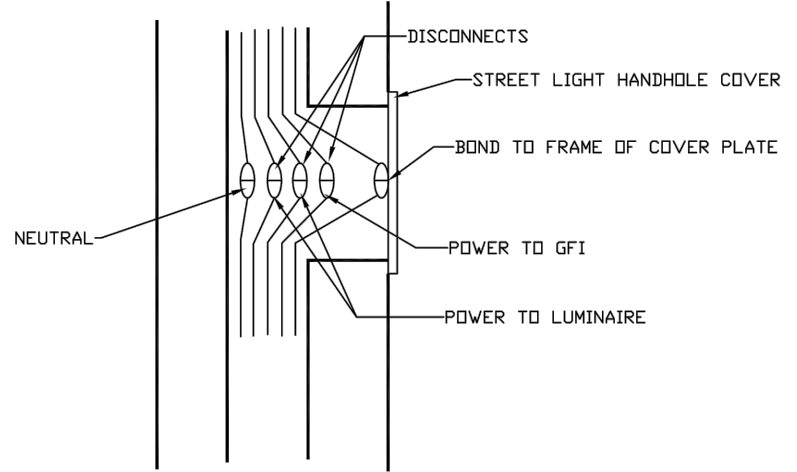


- NOTES**
- EATON, STREETWORKS GAN GALLEON LED LUMINAIRE 480V TYPE III WITH SPILL CONTROL, PHOTO CONTROL RECEPTACLE, AND MAST ARM ADAPTER CUSTOM COLOR BRONZE
 - HOUSE SIDE SHIELDS SHALL BE INSTALLED WHEN ABUTTING RESIDENTIAL STRUCTURES
 - EACH FIXTURE SHALL INCLUDE A PHOTOCELL OR GROUNDING CAP BASED ON EXISTING CIRCUIT CONFIGURATION.
 - A PULL STRING FURNISHED FROM BASEPLATE TO POLE TOP

| | | | |
|----------|--|--------------|--|
| | CITY OF MERCER ISLAND STANDARD DETAILS ILLUMINATION | | |
| | CONCRETE POLE LIGHTING DETAIL W/FOUNDATION | | |
| 01/22/20 | NO SCALE | IL-1B | |



JUNCTION BOX DETAIL



LIGHT STANDARD WIRING DETAIL

| | | | |
|------------|--|-------------|--|
| | CITY OF MERCER ISLAND STANDARD DETAILS ILLUMINATION | | |
| | JUNCTION BOX DETAIL | | |
| 02/02/2000 | NO SCALE | IL-4 | |

11-16

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400ILLDET.dwg |
| ENGINEERING MANAGER | DATE | DESIGNED BY 06/2024 |
| PROJECT MANAGER | DATE | DRAWN BY 06/2024 |
| PROJECT ENGINEER | DATE | CHECKED BY 06/2024 |



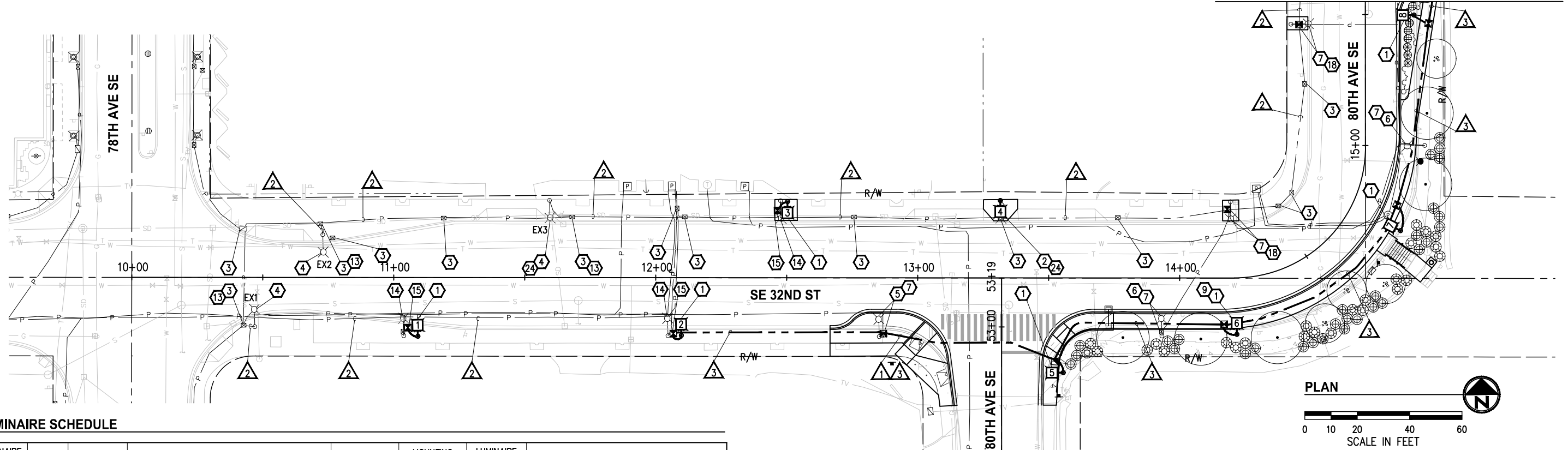
KPG PSOMAS
 Seattle
 3131 Elliott Avenue, Suite 400
 Seattle, WA 98121 206.286.1640
 Tacoma | Wenatchee | KPG.com

BID DOCUMENT



**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

| | |
|---|----------------------------|
| DETAILS ILLUMINATION STD DETAILS | |
| KPG PROJ. No. 9MER010400 | SHT <u>32</u> OF <u>46</u> |



LUMINAIRE SCHEDULE

| LUMINAIRE # | STATION | OFFSET | LUMINAIRE TYPE | LUMINAIRE ARM | MOUNTING HEIGHT | LUMINAIRE CIRCUIT # | COMMENTS |
|-------------|---------|----------|---------------------------------------|---------------|-----------------|---------------------|----------|
| 1 | 11+09 | 22.5' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 5 | |
| 2 | 12+10 | 22.1' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 5 | |
| 3 | 12+50 | 29.0' LT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 1 | |
| 4 | 13+32 | 29.5' LT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 1 | |
| 5 | 13+56 | 36.2' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 5 | |
| 6 | 14+22 | 21.5' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 5 | |
| 7 | 14+76 | 21.0' RT | 124W, 3000K, TYPE V, B2-U0-G1, 240V | 10" | 25' | 5 | |
| 8 | 15+50 | 18.6' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 5 | |

LEGEND

| EXISTING | NEW | DESCRIPTION |
|----------|-----|-----------------------------------|
| | | ROADWAY (SHOEBOX STYLE) LUMINAIRE |
| | | ELECTRICAL SERVICE CABINET |
| | | JUNCTION BOX TYPE 1 & 2 |
| | | CONDUIT |
| | | WIRE NOTE |
| | | CONSTRUCTION NOTE |

WIRE NOTES

| WIRE NOTE # | RACEWAY/CONDUIT SIZE | CONDUCTORS | COMMENTS |
|-------------|----------------------|---------------------|--------------------------|
| 1 | 2" | | SPARE |
| 2 | EX | 2-#8(LL), 2-#6(REC) | REMOVE EX WIRING |
| 3 | 2" | 2-#8(LL), 2-#6(REC) | |
| 4 | 3" | 3-#3/0 | FEEDER (NO GROUND) |
| 5 | EX | EX | EX WIRING TO REMAIN |
| 6 | EX | EX | MODIFY PER NOTE #3 BELOW |
| 7 | EX | 4-#8(LL), 4-#6(REC) | REMOVE EX WIRING |
| 8 | 3" | 8-#8(LL), 8-#6(REC) | |
| 9 | EX | 2-#8(LL) | REMOVE EX WIRING |
| 10 | EX | | REMOVE EX WIRING |

NOTES:

- ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
- ALL CONDUIT SHALL BE RIGID PVC SCH 80.
- EXISTING WIRING IS CONFIGURED FOR 3 PHASE, 4 WIRE, 277V SYSTEM. REUSE EXISTING WIRING AND RE-CONFIGURE FOR 1 PHASE 3 WIRE, 240V SYSTEM. REMOVE UNUSED EXISTING WIRING.

GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL BE LOCKABLE AND HAVE SLIP RESISTANT LIDS AND METAL FRAMES.
- CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE BRIAN HARTVIGSON AT (206) 275-7809 TO COORDINATE ALL WORK ON CITY-OWNED SYSTEMS.
- CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE ELECTRICAL SERVICE CONNECTION. CONTRACTOR SHALL CONTACT PSE REPRESENTATIVE AT 1-888-321-7779 PRIOR TO INSTALLATION OF METER BASE.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING A CLEARANCE ZONE OF 15' AROUND EXISTING AERIAL POWER LINES DURING CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.

CONSTRUCTION NOTES

- CONSTRUCT LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL CONCRETE LUMINAIRE POLE, LUMINAIRE, WEATHERPROOF RECEPTACLE, WIRING AND ALL ASSOCIATED EQUIPMENT PER COMI STD DETAIL IL-1B AND LUMINAIRE SCHEDULE, THIS SHEET. POLE AND JUNCTION BOX WIRING SHALL BE PER COMI STD DETAIL IL-4 (CONDUIT TO POLE SHALL BE 2" PVC AND WIRING SIZE SHALL BE #8 AWG). SEE SPECIAL PROVISIONS.
- REMOVE EXISTING AND AND INSTALL NEW LUMINAIRE FIXTURE AND ARM ON EXISTING CONCRETE POLE. SEE LUMINAIRE SCHEDULE, THIS SHEET FOR ADDITIONAL LUMINAIRE INFORMATION. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING. SALVAGE EXISTING LUMINAIRE PER SPECIAL PROVISIONS.
- APPLY NON-SLIP COATING TO LID AND FRAME ON EXISTING JUNCTION BOX IN FIELD. SEE SPECIAL PROVISIONS.
- EXISTING CONCRETE POLE AND LUMINAIRE TO REMAIN. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. VERIFY LUMINAIRE DRIVER SETTINGS PRIOR TO ENERGIZING. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. REMOVE EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
- REMOVE EXISTING JUNCTION BOX AND UNUSED WIRING. CAP AND ABANDON EXISTING UNUSED CONDUIT. BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS.
- REMOVE EXISTING LUMINAIRE, TIMBER LUMINAIRE POLE AND ALL ASSOCIATED EQUIPMENT. IF TIMBER POLE IS NOT DIRECT BURY TYPE, GRIND DOWN ANY EXISTING FOUNDATION 3 FEET BELOW GRADE (OR REMOVE COMPLETELY) AND BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS. SALVAGE LUMINAIRE TO THE CITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- USE VACTOR TRUCK FOR FOUNDATION EXCAVATION TO PROTECT EXISTING TREE ROOTS. COORDINATE WORK ON SITE WITH ARBORIST.
- REMOVE ALL EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET. FOR JUNCTION BOX SPLICING SHALL BE PER COMI STD DETAIL IL-4.
- REMOVE EXISTING DIRECT BURY TIMBER LUMINAIRE POLE, LUMINAIRE AND JUNCTION BOX. LUMINAIRE TO BE SALVAGED TO THE CITY.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX. REROUTE EXISTING CONDUIT TO NEW JUNCTION BOX AND INSTALL CONDUIT TO NEW LUMINAIRE POLE. COMPLETE WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- NO RECEPTACLE WIRING INSTALLATION IS REQUIRED (EXISTING POLE RECEPTACLE WAS NOT INSTALLED).

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILL.dwg 6/4/2024 10:14 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------------|-------------------|
| Approved By | | 9MER010400ILL.dwg |
| ENGINEERING MANAGER | DATE | MM 06/2024 |
| PROJECT MANAGER | DATE | MM 06/2024 |
| PROJECT ENGINEER | DATE | JC 06/2024 |
| | CHECKED BY | DATE |



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

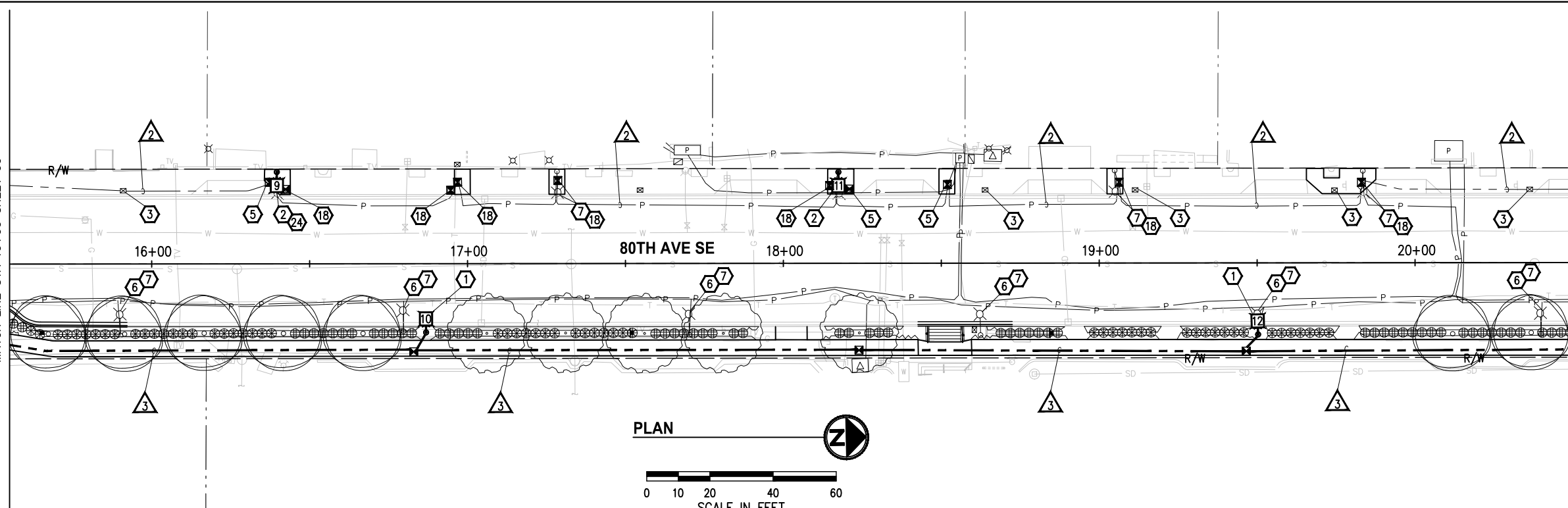
BID DOCUMENT



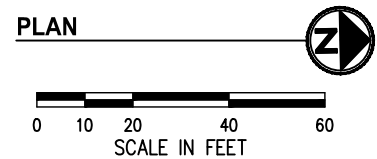
CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

ILLUMINATION PLAN
 SCHEDULE B
 STA 11+00 TO STA 15+55
 KPG PROJ. No. 9MER010400 SHT 33 OF 46

MATCH LINE STA 15+55 SHEET 33



SCHEDULE B - MATCH LINE STA 20+50 SHEET 35



LEGEND

| EXISTING | NEW | DESCRIPTION |
|----------|-----|-----------------------------------|
| | | ROADWAY (SHOEBOX STYLE) LUMINAIRE |
| | | ELECTRICAL SERVICE CABINET |
| | | JUNCTION BOX TYPE 1 & 2 |
| | | CONDUIT |
| | | WIRE NOTE |
| | | CONSTRUCTION NOTE |

LUMINAIRE SCHEDULE

| LUMINAIRE # | STATION | OFFSET | LUMINAIRE TYPE | LUMINAIRE ARM | MOUNTING HEIGHT | CIRCUIT # | COMMENTS |
|-------------|---------|----------|---------------------------------------|---------------|-----------------|-----------|----------|
| 9 | 16+40 | 29.1' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 1 | |
| 10 | 16+87 | 21.7' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 5 | |
| 11 | 18+17 | 28.9' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 1 | |
| 12 | 19+50 | 22.7' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 5 | |

CONSTRUCTION NOTES

1. CONSTRUCT LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL CONCRETE LUMINAIRE POLE, LUMINAIRE, WEATHERPROOF RECEPTACLE, WIRING AND ALL ASSOCIATED EQUIPMENT PER COMI STD DETAIL IL-1B AND LUMINAIRE SCHEDULE, THIS SHEET. POLE AND JUNCTION BOX WIRING SHALL BE PER COMI STD DETAIL IL-4 (CONDUIT TO POLE SHALL BE 2" PVC AND WIRING SIZE SHALL BE #8 AWG). SEE SPECIAL PROVISIONS.
2. REMOVE EXISTING AND INSTALL NEW LUMINAIRE FIXTURE AND ARM ON EXISTING CONCRETE POLE. SEE LUMINAIRE SCHEDULE, THIS SHEET FOR ADDITIONAL LUMINAIRE INFORMATION. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING. SALVAGE EXISTING LUMINAIRE PER SPECIAL PROVISIONS.
3. APPLY NON-SLIP COATING TO LID AND FRAME ON EXISTING JUNCTION BOX IN FIELD. SEE SPECIAL PROVISIONS.
5. REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. REMOVE EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
6. REMOVE EXISTING JUNCTION BOX AND UNUSED WIRING. CAP AND ABANDON EXISTING UNUSED CONDUIT. BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS.
7. REMOVE EXISTING LUMINAIRE, TIMBER LUMINAIRE POLE AND ALL ASSOCIATED EQUIPMENT. IF TIMBER POLE IS NOT DIRECT BURY TYPE, GRIND DOWN ANY EXISTING FOUNDATION 3 FEET BELOW GRADE (OR REMOVE COMPLETELY) AND BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS. SALVAGE LUMINAIRE TO THE CITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
18. REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
24. NO RECEPTACLE WIRING INSTALLATION IS REQUIRED (EXISTING POLE RECEPTACLE WAS NOT INSTALLED).

GENERAL NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
2. THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
4. UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
5. ALL JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL BE LOCKABLE AND HAVE SLIP RESISTANT LIDS AND METAL FRAMES.
6. CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE BRIAN HARTVIGSON AT (206) 275-7809 TO COORDINATE ALL WORK ON CITY-OWNED SYSTEMS.
7. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE ELECTRICAL SERVICE CONNECTION. CONTRACTOR SHALL CONTACT PSE REPRESENTATIVE AT 1-888-321-7779 PRIOR TO INSTALLATION OF METER BASE.
8. EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING A CLEARANCE ZONE OF 15' AROUND EXISTING AERIAL POWER LINES DURING CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.

WIRE NOTES

| # | RACEWAY/ CONDUIT SIZE | CONDUCTORS | COMMENTS |
|----|-----------------------|----------------------|--------------------------|
| 1 | 2" | | SPARE |
| 2 | EX | 2-#8(ILL), 2-#6(REC) | REMOVE EX WIRING |
| 3 | 2" | 2-#8(ILL), 2-#6(REC) | |
| 4 | 3" | 3-#3/0 | FEEDER (NO GROUND) |
| 5 | EX | EX | EX WIRING TO REMAIN |
| 6 | EX | EX | MODIFY PER NOTE #3 BELOW |
| 7 | EX | 4-#8(ILL), 4-#6(REC) | REMOVE EX WIRING |
| 8 | 3" | 8-#8(ILL), 8-#6(REC) | |
| 9 | EX | 2-#8(ILL) | REMOVE EX WIRING |
| 10 | EX | | REMOVE EX WIRING |

- NOTES:**
1. ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
 2. ALL CONDUIT SHALL BE RIGID PVC SCH 80.
 3. EXISTING WIRING IS CONFIGURED FOR 3 PHASE, 4 WIRE, 277V SYSTEM. REUSE EXISTING WIRING AND RE-CONFIGURE FOR 1 PHASE 3 WIRE, 240V SYSTEM. REMOVE UNUSED EXISTING WIRING.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILL.dwg 6/4/2024 10:14 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|-------------------|
| Approved By | | 9MER010400ILL.dwg |
| ENGINEERING MANAGER | DATE | MM 06/2024 |
| DESIGNED BY | DATE | MM 06/2024 |
| DRAWN BY | DATE | JC 06/2024 |
| CHECKED BY | DATE | |



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

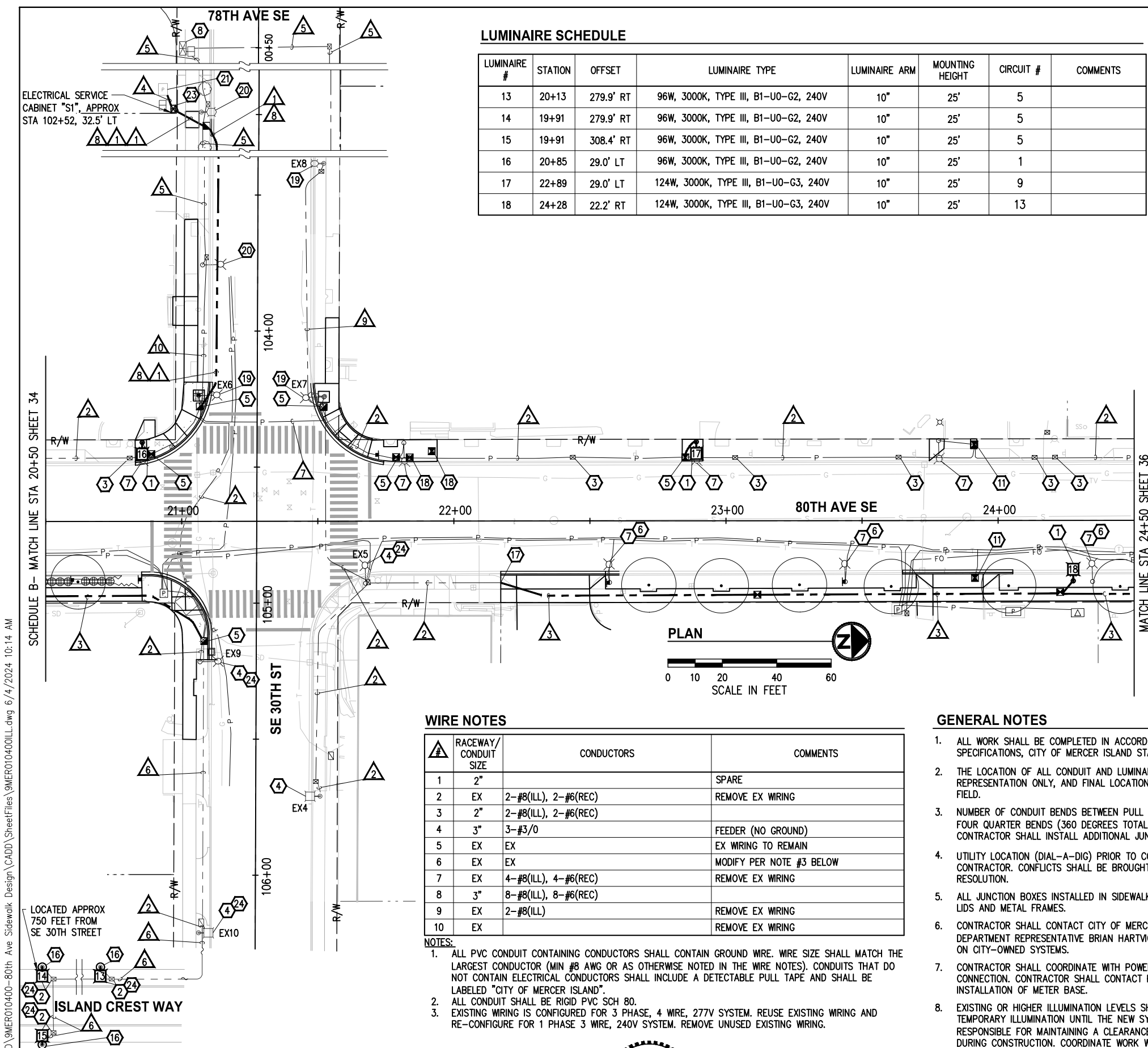
BID DOCUMENT



**CITY OF MERCER ISLAND
 80TH AVE SE PEDESTRIAN
 IMPROVEMENTS**

| | |
|---|--------------|
| ILLUMINATION PLAN SCHEDULE B STA 15+55 TO STA 20+50 | |
| KPG PROJ. No. 9MER010400 | SHT 34 OF 46 |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILL.dwg 6/4/2024 10:14 AM

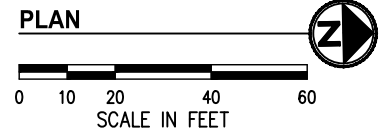


LUMINAIRE SCHEDULE

| LUMINAIRE # | STATION | OFFSET | LUMINAIRE TYPE | LUMINAIRE ARM | MOUNTING HEIGHT | CIRCUIT # | COMMENTS |
|-------------|---------|-----------|---------------------------------------|---------------|-----------------|-----------|----------|
| 13 | 20+13 | 279.9' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 5 | |
| 14 | 19+91 | 279.9' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 5 | |
| 15 | 19+91 | 308.4' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 5 | |
| 16 | 20+85 | 29.0' LT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | 25' | 1 | |
| 17 | 22+89 | 29.0' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 9 | |
| 18 | 24+28 | 22.2' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 13 | |

CONSTRUCTION NOTES

- CONSTRUCT LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL CONCRETE LUMINAIRE POLE, LUMINAIRE, WEATHERPROOF RECEPTACLE, WIRING AND ALL ASSOCIATED EQUIPMENT PER COMI STD DETAIL IL-1B AND LUMINAIRE SCHEDULE, THIS SHEET. POLE AND JUNCTION BOX WIRING SHALL BE PER COMI STD DETAIL IL-4 (CONDUIT TO POLE SHALL BE 2" PVC AND WIRING SIZE SHALL BE #8 AWG). SEE SPECIAL PROVISIONS.
- REMOVE EXISTING AND AND INSTALL NEW LUMINAIRE FIXTURE AND ARM ON EXISTING CONCRETE POLE. SEE LUMINAIRE SCHEDULE, THIS SHEET FOR ADDITIONAL LUMINAIRE INFORMATION. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING. SALVAGE EXISTING LUMINAIRE PER SPECIAL PROVISIONS.
- APPLY NON-SLIP COATING TO LID AND FRAME ON EXISTING JUNCTION BOX IN FIELD. SEE SPECIAL PROVISIONS.
- EXISTING CONCRETE POLE AND LUMINAIRE TO REMAIN. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. VERIFY LUMINAIRE DRIVER SETTINGS PRIOR TO ENERGIZING. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. REMOVE EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
- REMOVE EXISTING JUNCTION BOX AND UNUSED WIRING. CAP AND ABANDON EXISTING UNUSED CONDUIT. BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS.
- REMOVE EXISTING LUMINAIRE, TIMBER LUMINAIRE POLE AND ALL ASSOCIATED EQUIPMENT. IF TIMBER POLE IS NOT DIRECT BURY TYPE, GRIND DOWN ANY EXISTING FOUNDATION 3 FEET BELOW GRADE (OR REMOVE COMPLETELY) AND BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS. SALVAGE LUMINAIRE TO THE CITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- LOCATION OF EXISTING ELECTRICAL SERVICE CABINET. ACCESS TO THE CABINET SHALL BE COORDINATED WITH THE CITY OF MERCER ISLAND TRANSPORTATION MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- REPLACE EXISTING WITH TYPE 4 TRAFFIC BEARING JUNCTION BOX (PER WSDOT STD PLAN J-40.20) WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- EXACT LOCATION OF LUMINAIRE POLE SHALL BE DETERMINED BY CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- LOCATE AND INTERCEPT EXISTING AND SPLICE IN NEW CONDUIT. CAP AND ABANDON EXISTING UNUSED CONDUIT. VERIFY SIZE OF EXISTING CONDUIT IN FILED. REMOVE ALL EXISTING UNUSED WIRING. SEE WIRE NOTES, THIS SHEET FOR WIRING INSTALLATION.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- EXISTING DECORATIVE PEDESTRIAN POLE AND LUMINAIRE TO REMAIN. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. VERIFY LUMINAIRE DRIVER SETTINGS PRIOR TO ENERGIZING. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING.
- EXISTING LUMINAIRE TO REMAIN CONNECTED TO EXISTING CIRCUIT IN EXISTING ELECTRICAL SERVICE CABINET LOCATED AT THE INTERSECTION OF SE 30TH STREET AND 78TH AVENUE SE. REMOVE EXISTING UNUSED WIRING.
- LOCATION OF EXISTING POWER TRANSFORMER. COORDINATE POWER CONNECTION AND METER BASE INSTALLATION FOR NEW ELECTRICAL SERVICE CABINET WITH PSE REPRESENTATIVE. FURNISH AND INSTALL FEEDER WIRING BETWEEN SERVICE AND TRANSFORMER PER WIRE NOTES, THIS SHEET.
- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-10.10 AND FURNISH AND INSTALL 200A, 120/240V ELECTRICAL SERVICE CABINET TYPE D PER WSDOT STD PLAN J-10.21 (METER TO BE MOUNTED ON THE OUTSIDE OF CABINET). FOR PANEL SCHEDULE AND LOCATION SEE SHEET 31. COORDINATE ELECTRICAL METER BASE INSTALLATION WITH THE POWER COMPANY REPRESENTATIVE. EXACT FOUNDATION LOCATION SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD AND POTHOLED PRIOR TO EXCAVATION OF ILLUMINATION AND FEEDER CONDUIT TRENCHING. IF REQUIRED, ANY ALTERNATE LOCATION SHALL BE DETERMINED PRIOR TO PROCEEDING WITH ANY EXCAVATION WORK. SEE SPECIAL PROVISIONS.
- NO RECEPTACLE WIRING INSTALLATION IS REQUIRED (EXISTING POLE RECEPTACLE WAS NOT INSTALLED).



WIRE NOTES

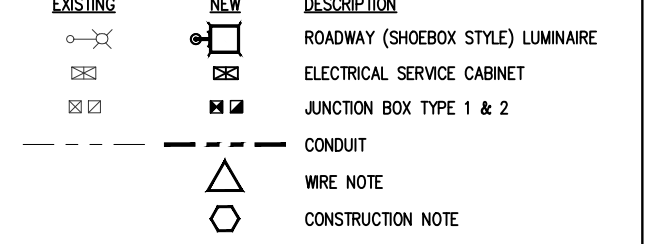
| # | RACEWAY/ CONDUIT SIZE | CONDUCTORS | COMMENTS |
|----|-----------------------|----------------------|--------------------------|
| 1 | 2" | | SPARE |
| 2 | EX | 2-#8(ILL), 2-#6(REC) | REMOVE EX WIRING |
| 3 | 2" | 2-#8(ILL), 2-#6(REC) | |
| 4 | 3" | 3-#3/0 | FEEDER (NO GROUND) |
| 5 | EX | EX | EX WIRING TO REMAIN |
| 6 | EX | EX | MODIFY PER NOTE #3 BELOW |
| 7 | EX | 4-#8(ILL), 4-#6(REC) | REMOVE EX WIRING |
| 8 | 3" | 8-#8(ILL), 8-#6(REC) | REMOVE EX WIRING |
| 9 | EX | 2-#8(ILL) | REMOVE EX WIRING |
| 10 | EX | | REMOVE EX WIRING |

- NOTES:**
- ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
 - ALL CONDUIT SHALL BE RIGID PVC SCH 80.
 - EXISTING WIRING IS CONFIGURED FOR 3 PHASE, 4 WIRE, 277V SYSTEM. REUSE EXISTING WIRING AND RE-CONFIGURE FOR 1 PHASE 3 WIRE, 240V SYSTEM. REMOVE UNUSED EXISTING WIRING.

GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL BE LOCKABLE AND HAVE SLIP RESISTANT LIDS AND METAL FRAMES.
- CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE BRIAN HARTVIGSON AT (206) 275-7809 TO COORDINATE ALL WORK ON CITY-OWNED SYSTEMS.
- CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE ELECTRICAL SERVICE CONNECTION. CONTRACTOR SHALL CONTACT PSE REPRESENTATIVE AT 1-888-321-7779 PRIOR TO INSTALLATION OF METER BASE.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING A CLEARANCE ZONE OF 15' AROUND EXISTING AERIAL POWER LINES DURING CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.

LEGEND



| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|-------------------|
| Approved By | | 9MER010400ILL.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MM 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MM 06/2024 |
| | | DRAWN BY |
| | | JC 06/2024 |
| | | CHECKED BY |
| | | |



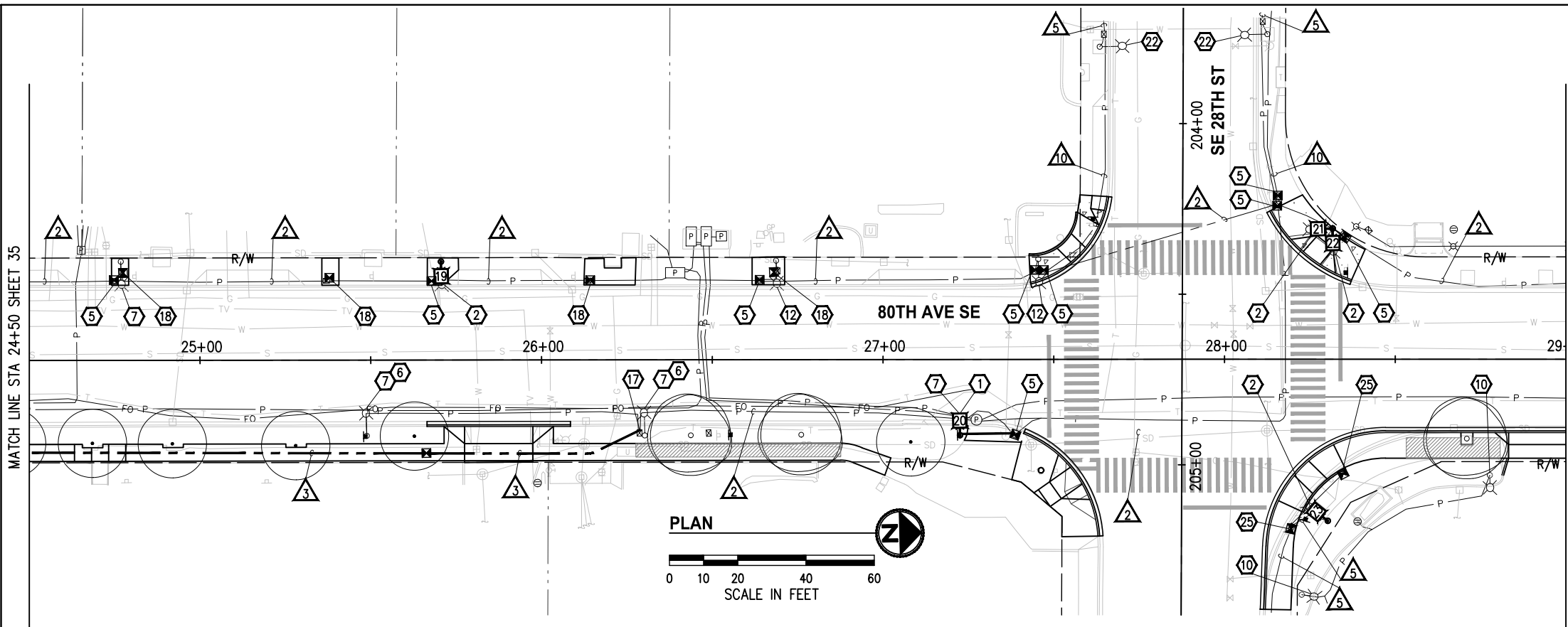
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

ILLUMINATION PLAN
 SCHEDULE A
 STA 20+50 TO STA 24+50
 KPG PROJ. No. 9MER010400 SHT 35 OF 46

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILL.dwg 6/4/2024 10:14 AM



CONSTRUCTION NOTES

- ① CONSTRUCT LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL CONCRETE LUMINAIRE POLE, LUMINAIRE, WEATHERPROOF RECEPTACLE, WIRING AND ALL ASSOCIATED EQUIPMENT PER COMI STD DETAIL IL-1B AND LUMINAIRE SCHEDULE, THIS SHEET. POLE AND JUNCTION BOX WIRING SHALL BE PER COMI STD DETAIL IL-4 (CONDUIT TO POLE SHALL BE 2" PVC AND WIRING SIZE SHALL BE #8 AWG). SEE SPECIAL PROVISIONS.
- ② REMOVE EXISTING AND AND INSTALL NEW LUMINAIRE FIXTURE AND ARM ON EXISTING CONCRETE POLE. SEE LUMINAIRE SCHEDULE, THIS SHEET FOR ADDITIONAL LUMINAIRE INFORMATION. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING. SALVAGE EXISTING LUMINAIRE PER SPECIAL PROVISIONS.
- ⑤ REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. REMOVE EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
- ⑥ REMOVE EXISTING JUNCTION BOX AND UNUSED WIRING. CAP AND ABANDON EXISTING UNUSED CONDUIT. BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS.
- ⑦ REMOVE EXISTING LUMINAIRE, TIMBER LUMINAIRE POLE AND ALL ASSOCIATED EQUIPMENT. IF TIMBER POLE IS NOT DIRECT BURY TYPE, GRIND DOWN ANY EXISTING FOUNDATION 3 FEET BELOW GRADE (OR REMOVE COMPLETELY) AND BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS. SALVAGE LUMINAIRE TO THE CITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- ⑩ EXISTING PRIVATE POLE AND LUMINAIRE TO REMAIN. PROTECT POLE, ALL ASSOCIATED EQUIPMENT DURING CONSTRUCTION.
- ⑫ REMOVE EXISTING LUMINAIRE, LUMINAIRE POLE, LUMINAIRE ARM AND ALL ASSOCIATED EQUIPMENT. GRIND DOWN ANY EXISTING FOUNDATION 3 FEET BELOW GRADE (OR REMOVE COMPLETELY) AND BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS. SALVAGE EXISTING POLE AND LUMINAIRE PER SPECIAL PROVISIONS.
- ⑰ LOCATE AND INTERCEPT EXISTING AND SPLICE IN NEW CONDUIT. CAP AND ABANDON EXISTING UNUSED CONDUIT. VERIFY SIZE OF EXISTING CONDUIT IN FILED. REMOVE ALL EXISTING UNUSED WIRING. SEE WIRE NOTES, THIS SHEET FOR WIRING INSTALLATION.
- ⑱ REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- ⑳ EXISTING LUMINAIRE POLE, LUMINAIRE AND WIRING TO REMAIN. REMOVE EXISTING WIRING EAST OF EXISTING JUNCTION BOX. INSTALL NEW WIRING, VIA EXISTING CONDUIT, BETWEEN THE LAST LUMINAIRE AT SE 28TH STREET AND FIRST LUMINAIRE AT 78TH AVE SE. CONNECT WIRING TO EXISTING LUMINAIRE CIRCUIT (3 PHASE 4 WIRE, 277V) TERMINATING AT THE EXISTING ELECTRICAL SERVICE AT THE INTERSECTION OF 78TH AVE SE AND SE 30TH STREET. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
- ㉕ REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. EXISTING WIRING TO REMAIN (MAINTAIN CIRCUIT CONTINUITY DURING THE CONSTRUCTION).

LUMINAIRE SCHEDULE

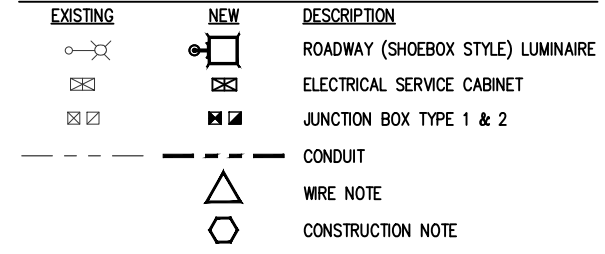
| LUMINAIRE # | STATION | OFFSET | LUMINAIRE TYPE | LUMINAIRE ARM | MOUNTING HEIGHT | CIRCUIT # | COMMENTS |
|-------------|---------|----------|---------------------------------------|---------------|-----------------|-----------|----------------------------|
| 19 | 25+71 | 28.8' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 9 | |
| 20 | 27+23 | 22.2' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | 25' | 13 | |
| 21 | 28+32 | 38.3' LT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 9 | |
| 22 | 28+32 | 38.3' LT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | 9 | |
| 23 | 28+30 | 47.4' RT | 96W, 3000K, TYPE III, B1-U0-G2, 240V | 10" | EX | * | * EXISTING SERVICE CABINET |

WIRE NOTES

| # | RACEWAY/ CONDUIT SIZE | CONDUCTORS | COMMENTS |
|----|-----------------------|----------------------|--------------------------|
| 1 | 2" | | SPARE |
| 2 | EX | 2-#8(ILL), 2-#6(REC) | REMOVE EX WIRING |
| 3 | 2" | 2-#8(ILL), 2-#6(REC) | |
| 4 | 3" | 3-#3/0 | FEEDER (NO GROUND) |
| 5 | EX | EX | EX WIRING TO REMAIN |
| 6 | EX | EX | MODIFY PER NOTE #3 BELOW |
| 7 | EX | 4-#8(ILL), 4-#6(REC) | REMOVE EX WIRING |
| 8 | 3" | 8-#8(ILL), 8-#6(REC) | |
| 9 | EX | 2-#8(ILL) | REMOVE EX WIRING |
| 10 | EX | | REMOVE EX WIRING |

- NOTES:**
- ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
 - ALL CONDUIT SHALL BE RIGID PVC SCH 80.
 - EXISTING WIRING IS CONFIGURED FOR 3 PHASE, 4 WIRE, 277V SYSTEM. REUSE EXISTING WIRING AND RE-CONFIGURE FOR 1 PHASE 3 WIRE, 240V SYSTEM. REMOVE UNUSED EXISTING WIRING.

LEGEND



GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ALL JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL BE LOCKABLE AND HAVE SLIP RESISTANT LIDS AND METAL FRAMES.
- CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE BRIAN HARTVIGSON AT (206) 275-7809 TO COORDINATE ALL WORK ON CITY-OWNED SYSTEMS.
- CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE ELECTRICAL SERVICE CONNECTION. CONTRACTOR SHALL CONTACT PSE REPRESENTATIVE AT 1-888-321-7779 PRIOR TO INSTALLATION OF METER BASE.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING A CLEARANCE ZONE OF 15' AROUND EXISTING AERIAL POWER LINES DURING CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|-------------------|
| Approved By | | 9MER010400ILL.dwg |
| ENGINEERING MANAGER | DATE | MM 06/2024 |
| PROJECT MANAGER | DATE | MM 06/2024 |
| PROJECT ENGINEER | DATE | JC 06/2024 |



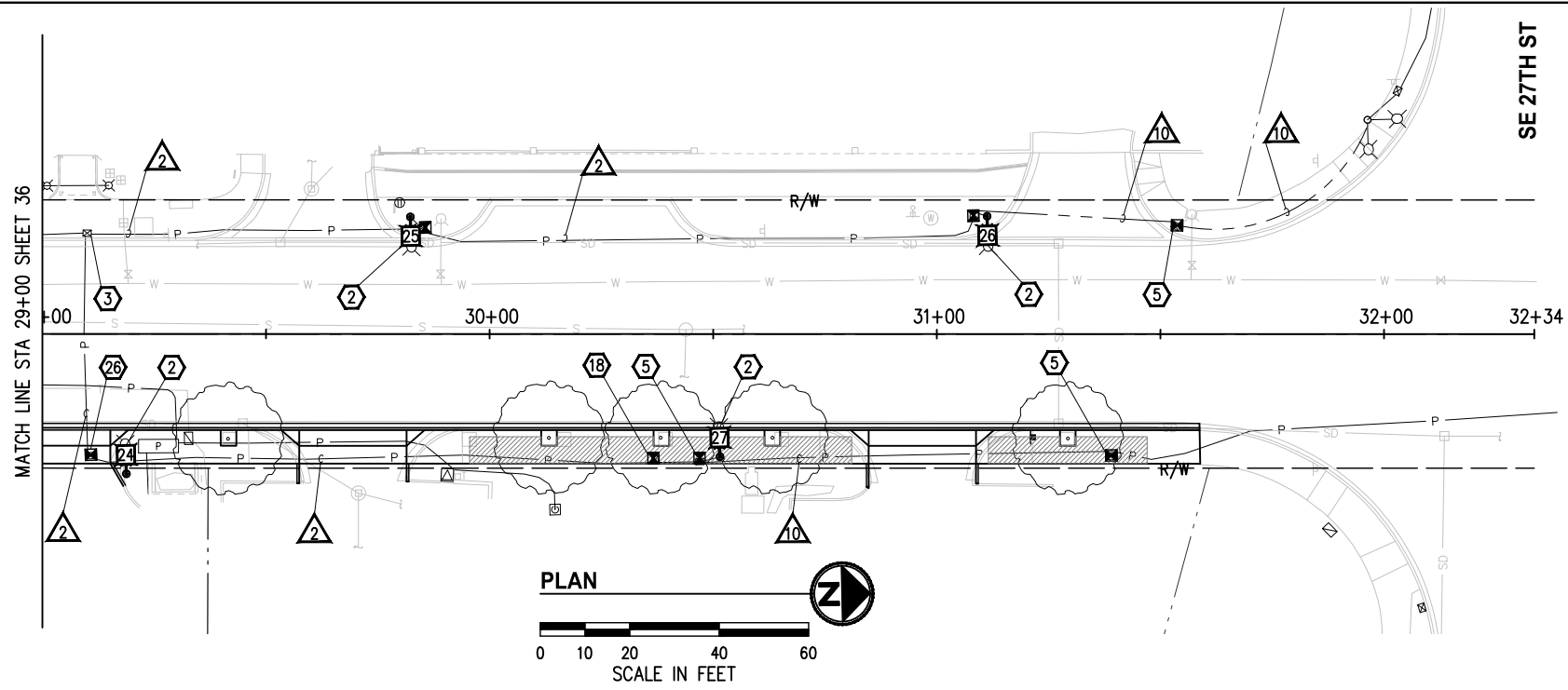
KPG PSOMAS
 Seattle
 3131 Elliott Avenue, Suite 400
 Seattle, WA 98121 206.286.1640
 Tacoma | Wenatchee | KPG.com

BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

ILLUMINATION PLAN SCHEDULE A
 STA 24+50 TO STA 29+00



- ### CONSTRUCTION NOTES
- ② REMOVE EXISTING AND INSTALL NEW LUMINAIRE FIXTURE AND ARM ON EXISTING CONCRETE POLE. SEE LUMINAIRE SCHEDULE, THIS SHEET FOR ADDITIONAL LUMINAIRE INFORMATION. RE-CONFIGURE POLE WIRING FOR 1 PHASE, 3 WIRE, 240V SYSTEM. JUNCTION BOX AND POLE WIRE SPLICING SHALL BE PER COMI STD DETAIL IL-4. REMOVE UNUSED WIRING. SALVAGE EXISTING LUMINAIRE PER SPECIAL PROVISIONS.
 - ③ APPLY NON-SLIP COATING TO LID AND FRAME ON EXISTING JUNCTION BOX IN FIELD. SEE SPECIAL PROVISIONS.
 - ⑤ REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. REMOVE EXISTING AND INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET AND COMI STD DETAIL IL-4.
 - ⑩ REMOVE EXISTING AND INSTALL NEW JUNCTION BOX WITH NON-SKID LID AND FRAME. IF EXISTING JUNCTION BOX INCLUDES EXISTING ILLUMINATION WIRING ONLY (TO BE REMOVED), REMOVE JUNCTION BOX COMPLETELY (BACKFILL AND COMPACT VOID PER SPECIAL PROVISIONS) AND OMIT INSTALLATION ON NEW JUNCTION BOX. SPLICE IN NEW CONDUIT TO MAINTAIN RACEWAY CONTINUITY. COORDINATE WORK WITH CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE.
 - ⑫ REPLACE EXISTING WITH TYPE 4 TRAFFIC BEARING JUNCTION BOX (PER WSDOT STD PLAN J-40.20) WITH NON-SKID LID AND FRAME.

LEGEND

| EXISTING | NEW | DESCRIPTION |
|----------|-----|-----------------------------------|
| | | ROADWAY (SHOEBOX STYLE) LUMINAIRE |
| | | ELECTRICAL SERVICE CABINET |
| | | JUNCTION BOX TYPE 1 & 2 |
| | | CONDUIT |
| | | WIRE NOTE |
| | | CONSTRUCTION NOTE |

LUMINAIRE SCHEDULE

| LUMINAIRE # | STATION | OFFSET | LUMINAIRE TYPE | LUMINAIRE ARM | MOUNTING HEIGHT | CIRCUIT # | COMMENTS |
|-------------|---------|----------|---------------------------------------|---------------|-----------------|-----------|----------|
| 24 | 29+19 | 31.3' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 13 | |
| 25 | 29+82 | 26.2' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 9 | |
| 26 | 31+11 | 26.3' LT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 9 | |
| 27 | 30+52 | 27.4' RT | 124W, 3000K, TYPE III, B1-U0-G3, 240V | 10" | EX | 13 | |

- ### GENERAL NOTES
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF MERCER ISLAND STANDARDS, AND THESE PLANS.
 - THE LOCATION OF ALL CONDUIT AND LUMINAIRE SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY, AND FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
 - NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
 - UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
 - ALL JUNCTION BOXES INSTALLED IN SIDEWALKS SHALL BE LOCKABLE AND HAVE SLIP RESISTANT LIDS AND METAL FRAMES.
 - CONTRACTOR SHALL CONTACT CITY OF MERCER ISLAND MAINTENANCE AND OPERATIONS DEPARTMENT REPRESENTATIVE BRIAN HARTVIGSON AT (206) 275-7809 TO COORDINATE ALL WORK ON CITY-OWNED SYSTEMS.
 - CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE ELECTRICAL SERVICE CONNECTION. CONTRACTOR SHALL CONTACT PSE REPRESENTATIVE AT 1-888-321-7779 PRIOR TO INSTALLATION OF METER BASE.
 - EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING A CLEARANCE ZONE OF 15' AROUND EXISTING AERIAL POWER LINES DURING CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.

WIRE NOTES

| ▲ | RACEWAY/ CONDUIT SIZE | CONDUCTORS | COMMENTS |
|----|-----------------------|----------------------|--------------------------|
| 1 | 2" | | SPARE |
| 2 | EX | 2-#8(ILL), 2-#6(REC) | REMOVE EX WIRING |
| 3 | 2" | 2-#8(ILL), 2-#6(REC) | |
| 4 | 3" | 3-#3/0 | FEEDER (NO GROUND) |
| 5 | EX | EX | EX WIRING TO REMAIN |
| 6 | EX | EX | MODIFY PER NOTE #3 BELOW |
| 7 | EX | 4-#8(ILL), 4-#6(REC) | REMOVE EX WIRING |
| 8 | 3" | 8-#8(ILL), 8-#6(REC) | |
| 9 | EX | 2-#8(ILL) | REMOVE EX WIRING |
| 10 | EX | | REMOVE EX WIRING |

- ### NOTES:
- ALL PVC CONDUIT CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE. WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS OTHERWISE NOTED IN THE WIRE NOTES). CONDUITS THAT DO NOT CONTAIN ELECTRICAL CONDUCTORS SHALL INCLUDE A DETECTABLE PULL TAPE AND SHALL BE LABELED "CITY OF MERCER ISLAND".
 - ALL CONDUIT SHALL BE RIGID PVC SCH 80.
 - EXISTING WIRING IS CONFIGURED FOR 3 PHASE, 4 WIRE, 277V SYSTEM. REUSE EXISTING WIRING AND RE-CONFIGURE FOR 1 PHASE 3 WIRE, 240V SYSTEM. REMOVE UNUSED EXISTING WIRING.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400ILL.dwg 6/4/2024 10:15 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |

| | | |
|---------------------|------|-------------------|
| Approved By | | 9MER010400ILL.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MM 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MM 06/2024 |
| | | DRAWN BY |
| | | JC 06/2024 |
| | | CHECKED BY |
| | | |



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

BID DOCUMENT

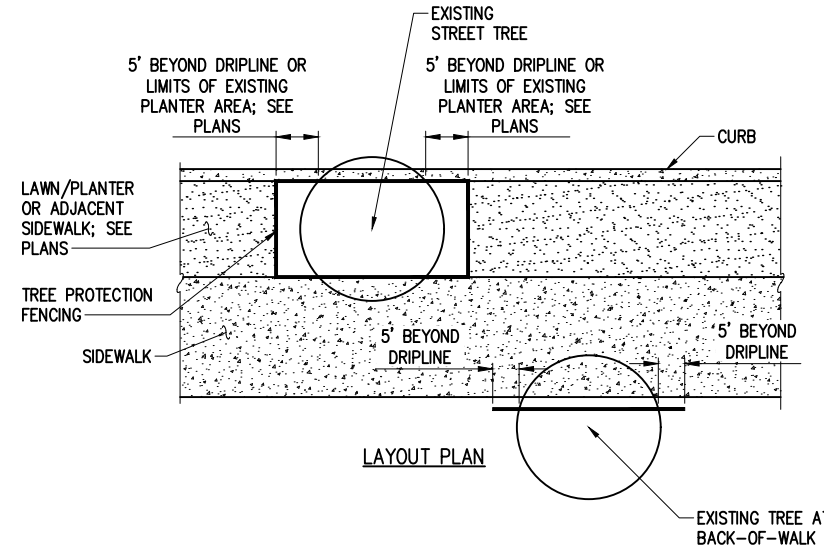


CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

| | |
|------------------------------|--------------|
| ILLUMINATION PLAN SCHEDULE A | |
| STA 29+00 TO STA 32+00 | |
| KPG PROJ. No. 9MER010400 | SHT 37 OF 46 |

PLANT SCHEDULE

| SYMBOL | | BOTANICAL NAME/COMMON NAME | QTY | SIZE | REMARKS |
|------------------------------|-----|--|-------|-------------------------|--|
| STREET TREES | | | | | |
| | T1 | NYSSA SYLVATICA 'WILDFIRE'/ WILDFIRE TUPELO | 14 | 2½" CAL. 12'-14' HT. | B&B; WELL BRANCHED |
| | T2 | ULMUS PROPINQUA 'JFS-BIEBERICH'/ EMERALD SUNSHINE ELM | 10 | 2½" CAL. 12'-14' HT. | B&B; WELL BRANCHED |
| ACCENT TREES | | | | | |
| | T3 | ACER CIRCINATUM/ VINE MAPLE | 4 | 7'-8' HT. | B&B; 3-5 CANES MIN. 1" MIN. CAL./CANE |
| ROADWAY PLANTERS | | | | | |
| | S1 | LONICERA PILEATA 'MOSS GREEN'/ MOSS GREEN PRIVET HONEYSUCKLE | 61 | 1 GAL. CONT. | 36" O.C. TRI. SP. TYP. |
| | S2 | SPIRAEA BETULIFOLIA VAR. LUCIDA/ SHINYLEAF SPIREA | 71 | 1 GAL. CONT. | 36" O.C. TRI. SP. TYP. |
| | S3 | MAHONIA NERVOSA/ CASCADE OREGON GRAPE | 57 | 1 GAL. CONT. | 24" O.C. TRI. SP. TYP. |
| | G1 | SESLERIA AUTUMNALIS/ AUTUMN MOOR GRASS | 82 | 1 GAL. CONT. | 18" O.C. TRI. SP. TYP. |
| | GC1 | EPIMEDIUM X PERRALCHICUM 'FROHNLEITEN'/ HYBRID EPIMEDIUM | 610 | 1 GAL. CONT. | 18" O.C. TRI. SP. TYP. |
| BACK-OF-WALK PLANTERS | | | | | |
| | S5 | RIBES SANGUINEUM/ RED-FLOWERING CURRANT | 26 | 1 GAL. CONT. | 48" O.C. TRI. SP. TYP. |
| | S6 | VACCINIUM OVATUM/ EVERGREEN HUCKLEBERRY | 28 | 1 GAL. CONT. | 48" O.C. TRI. SP. TYP. |
| | S7 | GAULTHERIA SHALLON/ SALAL | 35 | 1 GAL. CONT. | 36" O.C. TRI. SP. TYP. |
| | GC2 | MAHONIA NERVOSA/ CASCADE OREGON GRAPE | 85 | 1 GAL. CONT. | 24" O.C. TRI. SP. TYP. |
| | GC3 | BLECHNUM SPICANT/ DEER FERN | 85 | 1 GAL. CONT. | 24" O.C. TRI. SP. TYP. |
| | GC4 | ARCTOSTAPHYLOS UVA-URSI/ KINNIKINICK | 170 | 1 GAL. CONT. | 18" O.C. TRI. SP. TYP. |
| | | SEEDED LAWN INSTALLATION | 35 SY | | |

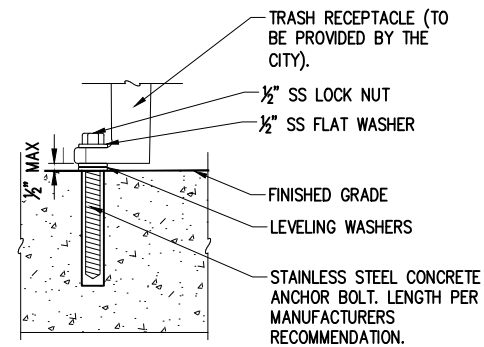


GENERAL NOTES

1. ALL PLANT MATERIALS SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 MOST CURRENT VERSION.
2. PLANT, MAINTAIN AND WARRANTY AS PER SPECIAL PROVISIONS.
3. DO NOT SUBSTITUTE SPECIES WITHOUT THE APPROVAL OF ENGINEER.
4. INSTALL 2" BARK OR WOOD CHIP MULCH OVER ALL DISTURBED AREAS NOT BEING PLANTED OR SEEDED, UNLESS OTHERWISE NOTED.
5. PROPERTY RESTORATION TO BE DONE AS DIRECTED BY THE PROJECT ENGINEER.
6. STREET TREES SHALL MEET WSDOT "STREET TREE GRADE" STANDARD. AND SHALL BRANCH AT MIN. 6' ABOVE ROOTBALL.

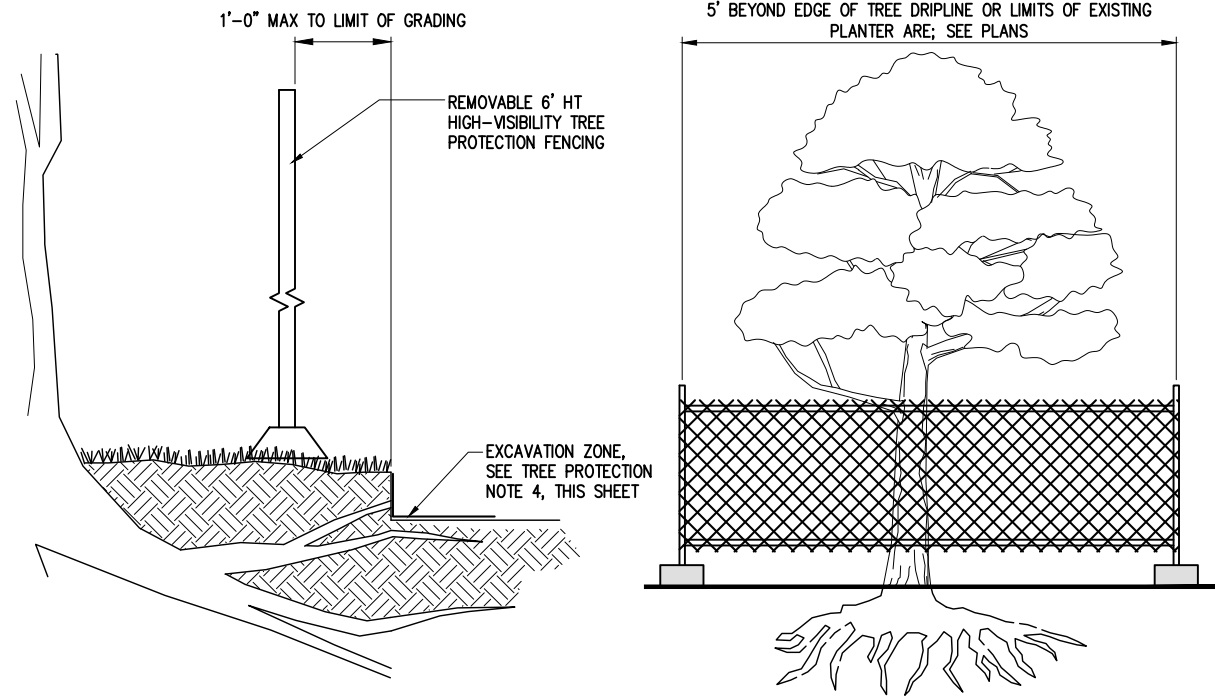
TREE PROTECTION NOTES

1. FOR EXISTING TREES AT BACK-OF-WALK, SIX FOOT HIGH HIGH-VISIBILITY FENCE SHALL BE PLACED AT LIMITS OF CONSTRUCTION AND SHALL EXTEND 5' IN BOTH DIRECTIONS BEYOND THE DRIPLINE OF TREE TO BE SAVED. SEE LAYOUT, THIS SHEET.
2. FOR EXISTING STREET TREES, TREE PROTECTION FENCING SHALL EXTEND 5' BEYOND DRIPLINE ALONG CURB/SIDEWALK SIDES OF ROADWAY PLANTERS OR TO THE LIMITS OF EXISTING TREE PLANTERS WHERE APPLICABLE (SEE PLANS). FENCING SHALL COMPLETELY ENCIRCLE TREE. SEE LAYOUT, THIS SHEET.
3. INSTALL FENCE POSTS USING PIER BLOCKS ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
4. 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.
5. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY. NO STOCKPILE OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE FENCING.
6. PORTIONS OF THE TREE PROTECTION FENCING MAY BE MOVED 1/3 INTO THE PRESCRIBED TREE PROTECTION AREA IF UNABLE TO PROTECT ENTIRE DRIP LINE AREA. THIS IS ONLY PERMITTED FOR PORTIONS OF THE PRESCRIBED TREE PROTECTION AREA THAT ARE IN CONFLICT WITH CONSTRUCTION ACTIVITIES BASED UPON ENGINEER'S APPROVAL.
7. ALL TREES TO REMAIN WITHIN CLEARING AND GRUBBING LIMITS, SHALL BE TAGGED FOR APPROVAL BY ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.
8. MAINTAIN FENCING IN PLACE UNTIL THE CITY AUTHORIZES REMOVAL OR A FINAL APPROVAL IS ISSUED.
9. 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.
10. TREE PROTECTION FENCING SHALL BE CONSOLIDATED AROUND SIGNIFICANT GROUPINGS OF EXISTING TREES TO REMAIN WHERE POSSIBLE; TREE PROTECTION FENCING MUST EXTEND 5' BEYOND DRIPLINE OF OUTERMOST TREES IN GROUPING.



SURFACE MOUNT DETAIL
NTS

- NOTES:**
1. INSTALL TRASH RECEPTACLE LEVEL AND PLUMB.
 2. ENGINEER TO FIELD VERIFY LOCATION AND ORIENTATION PRIOR TO INSTALLATION.



TREE PROTECTION DETAIL
NTS

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS_DET.dwg 6/4/2024 10:15 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400LS_DET.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MR 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY 06/2024 |
| | | MR 06/2024 |
| | | DRAWN BY 06/2024 |
| | | CS 06/2024 |
| | | CHECKED BY 06/2024 |
| | | DATE |



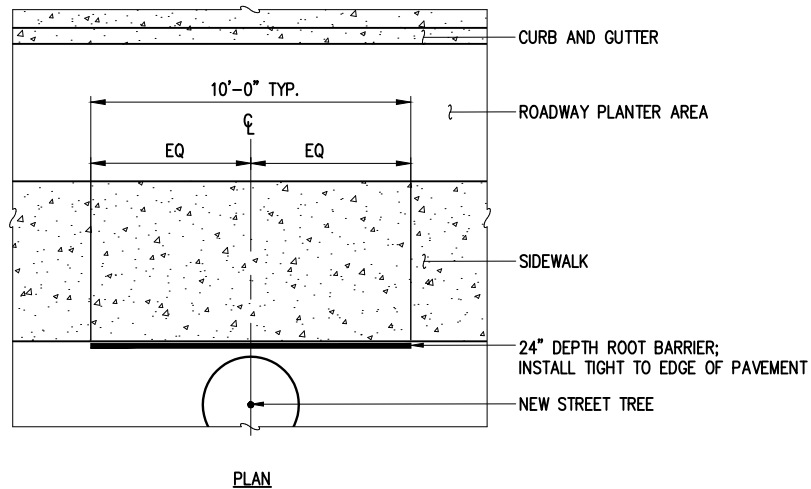
KPG PSOMAS
Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENT

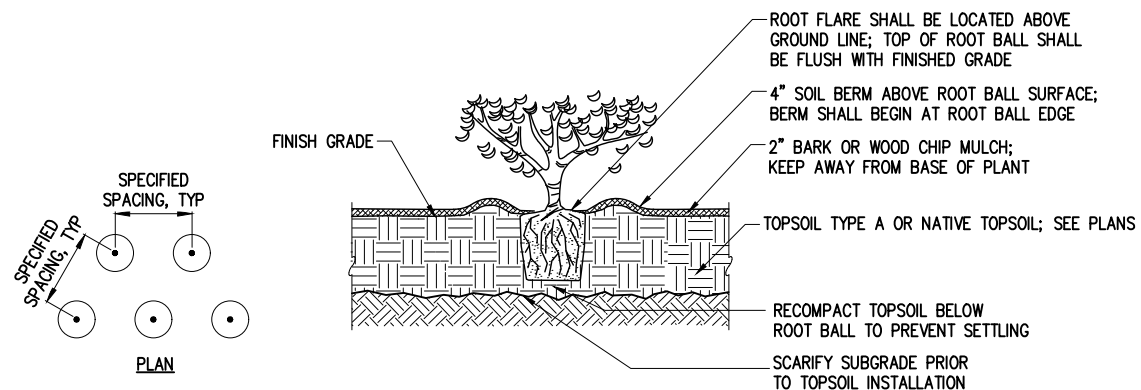


CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

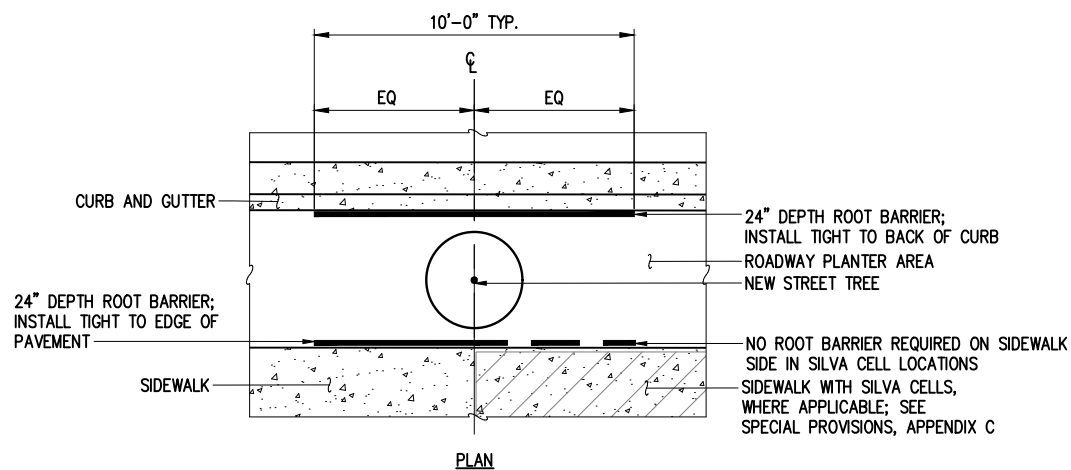
LANDSCAPE SCHEDULE & DETAILS
KPG PROJ. No. 9MER010400 SHT 38 OF 46



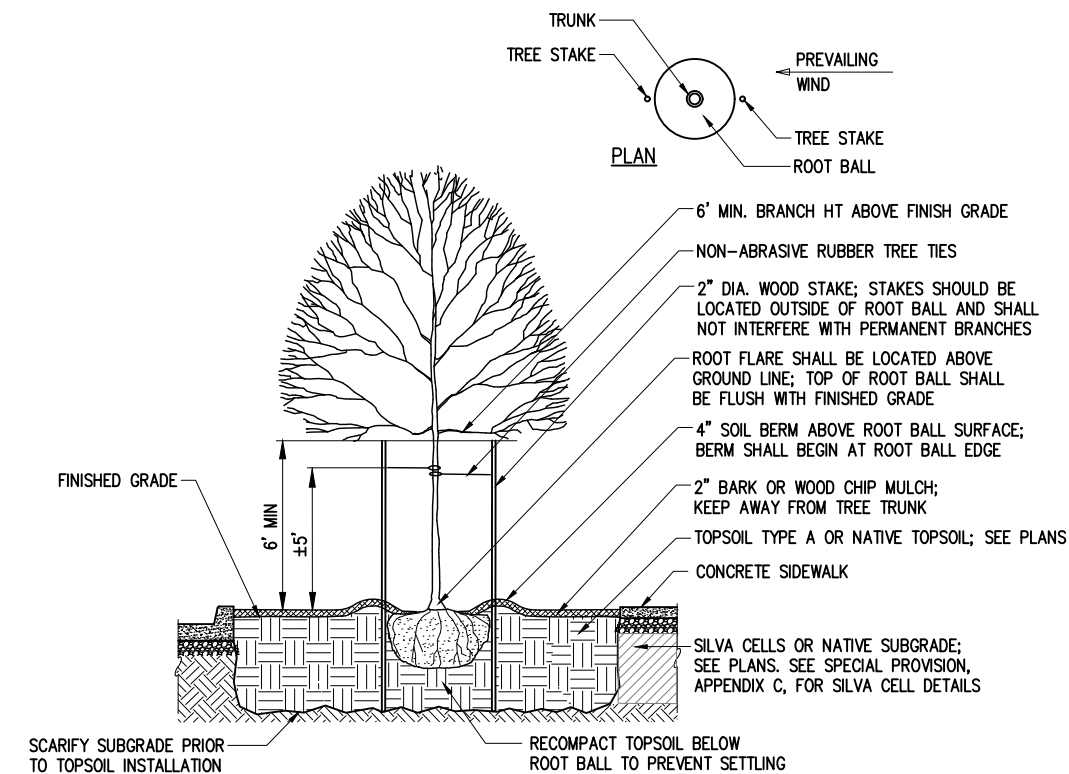
TYPICAL ROOT BARRIER LAYOUT TYPE 1
NTS



TYPICAL SHRUB/GROUNDCOVER PLANTING DETAIL
NTS

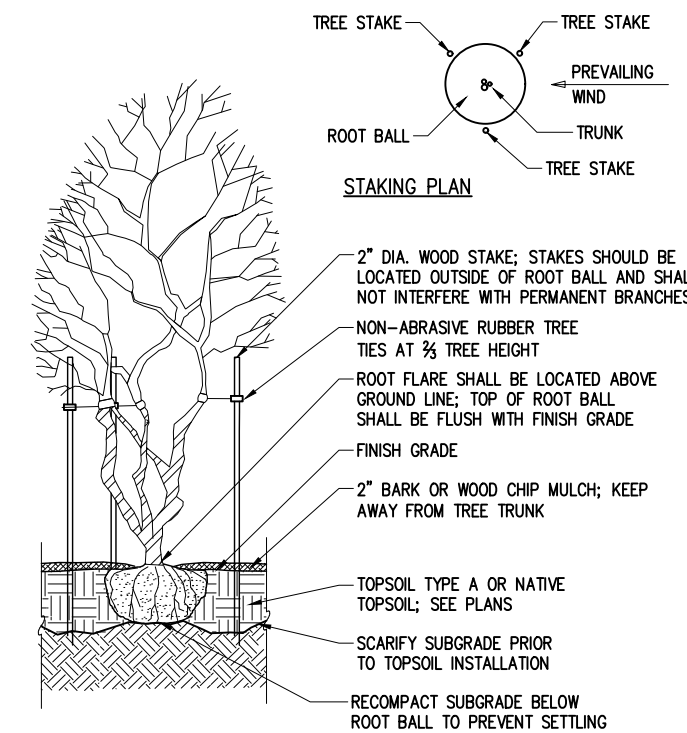


TYPICAL ROOT BARRIER LAYOUT TYPE 2
NTS



TYPICAL DECIDUOUS TREE PLANTING DETAIL
NTS

NOTE: FOR ROOT BARRIER LOCATIONS, SEE LANDSCAPE PLANS, SHEETS 40-43, AND ROOT BARRIER LAYOUT DETAILS, THIS SHEET.



TYPICAL MULTI-STEM TREE PLANTING DETAIL
NTS

NOTE: FOR ROOT BARRIER LOCATIONS, SEE LANDSCAPE PLANS, SHEETS 40-43, AND ROOT BARRIER LAYOUT DETAILS, THIS SHEET.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS_DET.dwg 6/4/2024 10:15 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|----------------------|
| Approved By | | 9MER010400LS_DET.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MR 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MR 06/2024 |
| | | DRAWN BY |
| | | CS 06/2024 |
| | | 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
80TH AVE SE PEDESTRIAN IMPROVEMENTS

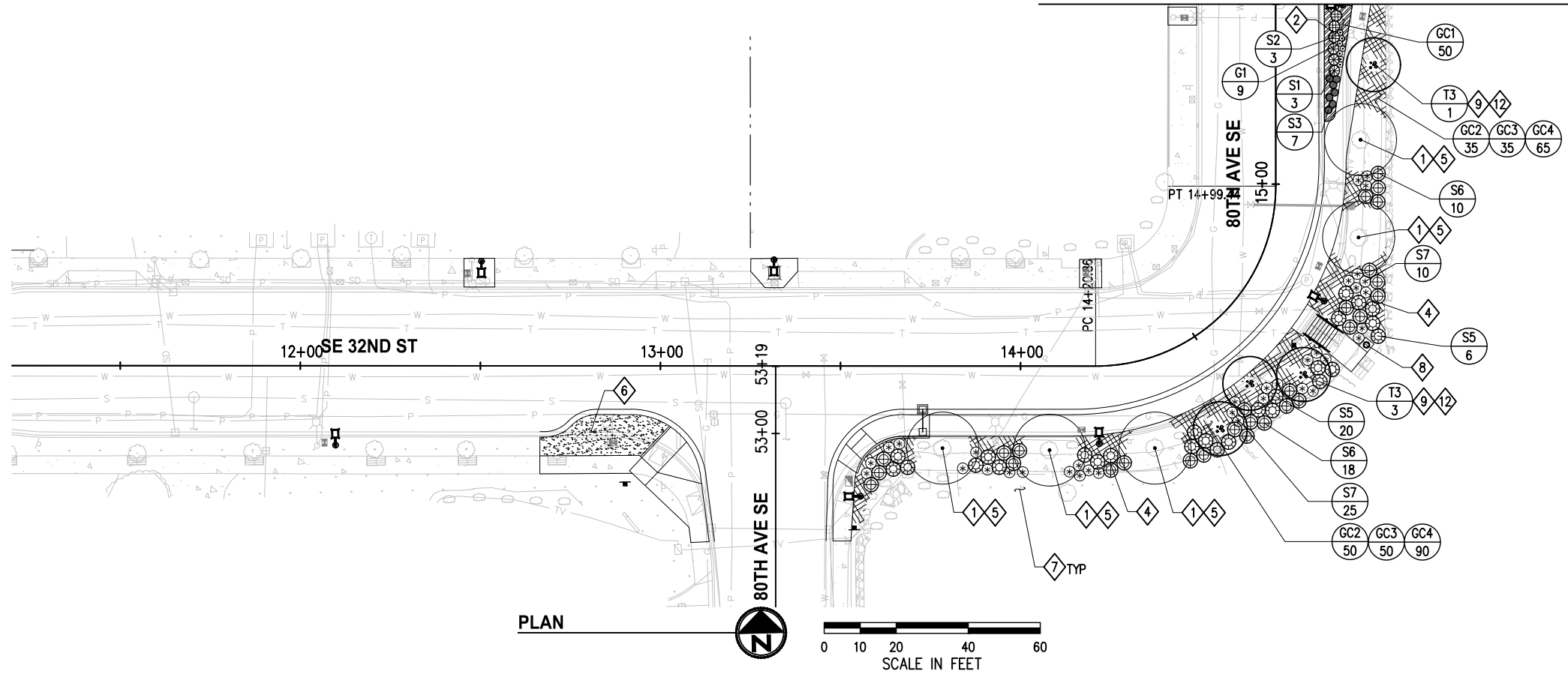
| | |
|------------------------------|--------------|
| DETAILS LANDSCAPE DETAILS | |
| KPG PROJ. No. 9MER010400 | SHT 39 OF 46 |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS.dwg 6/4/2024 10:15 AM

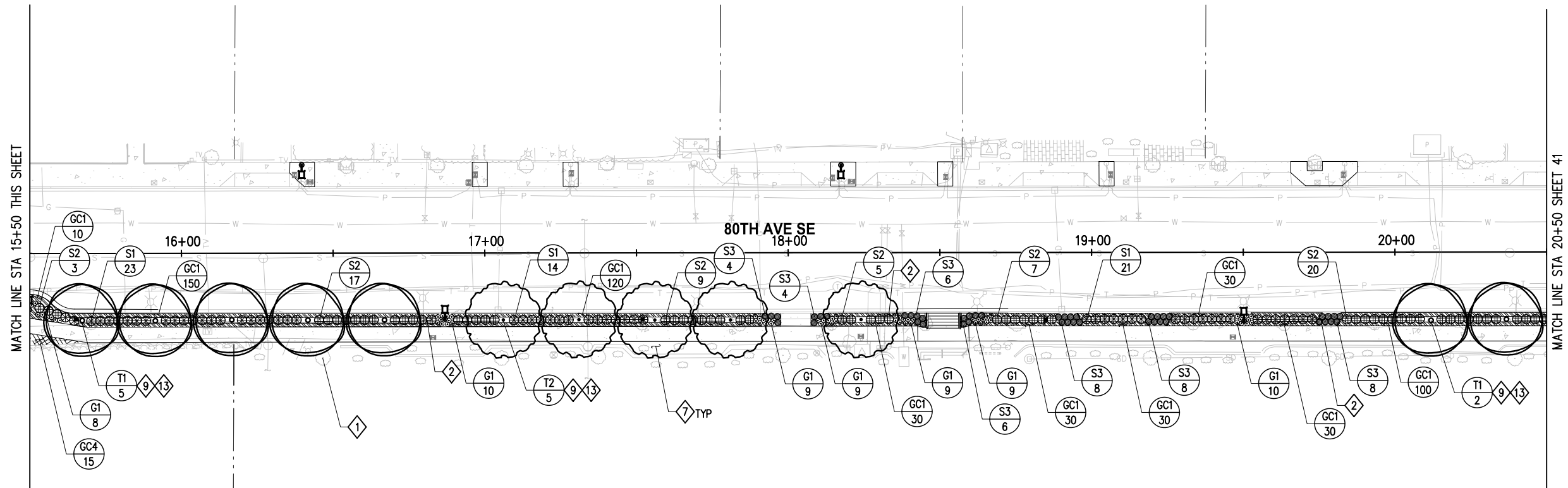
MATCH LINE STA 15+50 THIS SHEET

CONSTRUCTION NOTES

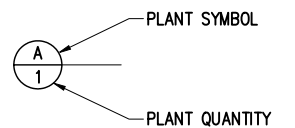
- 1 EXISTING TREE TO REMAIN, SAVE AND PROTECT PER DETAIL, SHEET 38.
- 2 ROADWAY PLANTER AREA; INSTALL TOPSOIL TYPE A TO DEPTH REQUIRED TO BRING FINISH GRADE TO 3" BELOW ADJACENT WALK AND TOPDRESS WITH 2" BARK OR MULCH, TYP.
- 4 BACK-OF-WALK PLANTER AREA; INSTALL TOPSOIL TYPE A TO DEPTH REQUIRED TO BRING FINISH GRADE TO 3" BELOW ADJACENT WALK AND TOPDRESS WITH 2" BARK OR WOOD CHIP MULCH.
- 5 ADJUST PLANT LAYOUT TO MINIMIZE IMPACT TO ROOTS OF EXISTING TREE TO REMAIN; PLANT LAYOUT TO BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
- 6 SEEDED LAWN; INSTALL 6" TOPSOIL TYPE A AND HYDROSEED WITH SEEDED LAWN MIX, TYP.
- 7 EXISTING PRIVATE LANDSCAPE TO REMAIN; SAVE AND PROTECT.
- 8 INSTALL TRASH RECEPTACLE; SEE SURFACE MOUNT DETAIL, SHEET 38.
- 9 INSTALL TREE WATERING BAG SYSTEM, ONE EACH PER TREE.
- 12 INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 1, SHEET 39.
- 13 INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 2, SHEET 39.



PLAN



PLAN



SEE SHEETS 38-39 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400LS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MR 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MR 06/2024 |
| | | DRAWN BY |
| | | CS 06/2024 |
| | | CHECKED BY |
| | | |



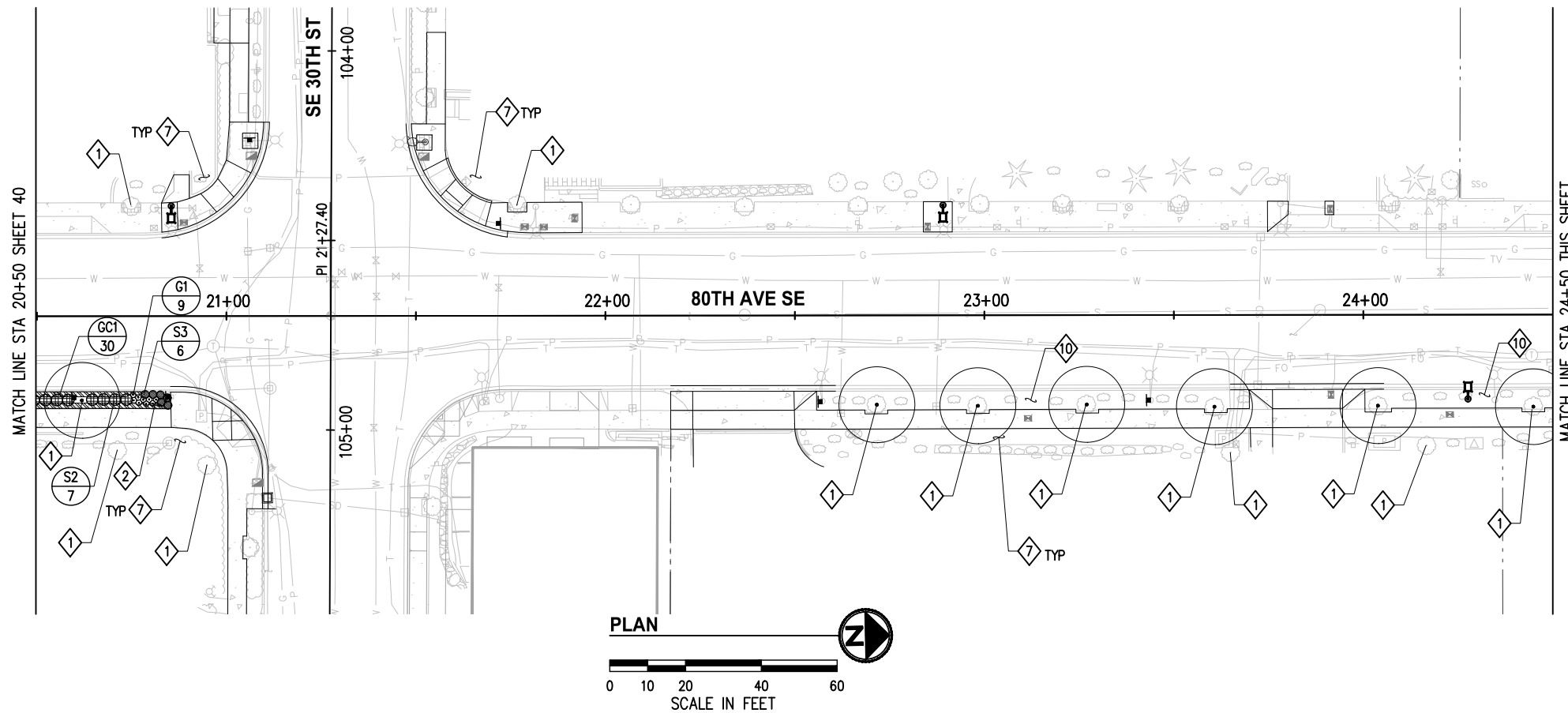
BID DOCUMENT



CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN IMPROVEMENTS

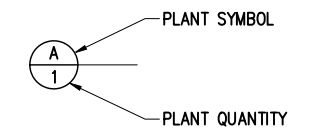
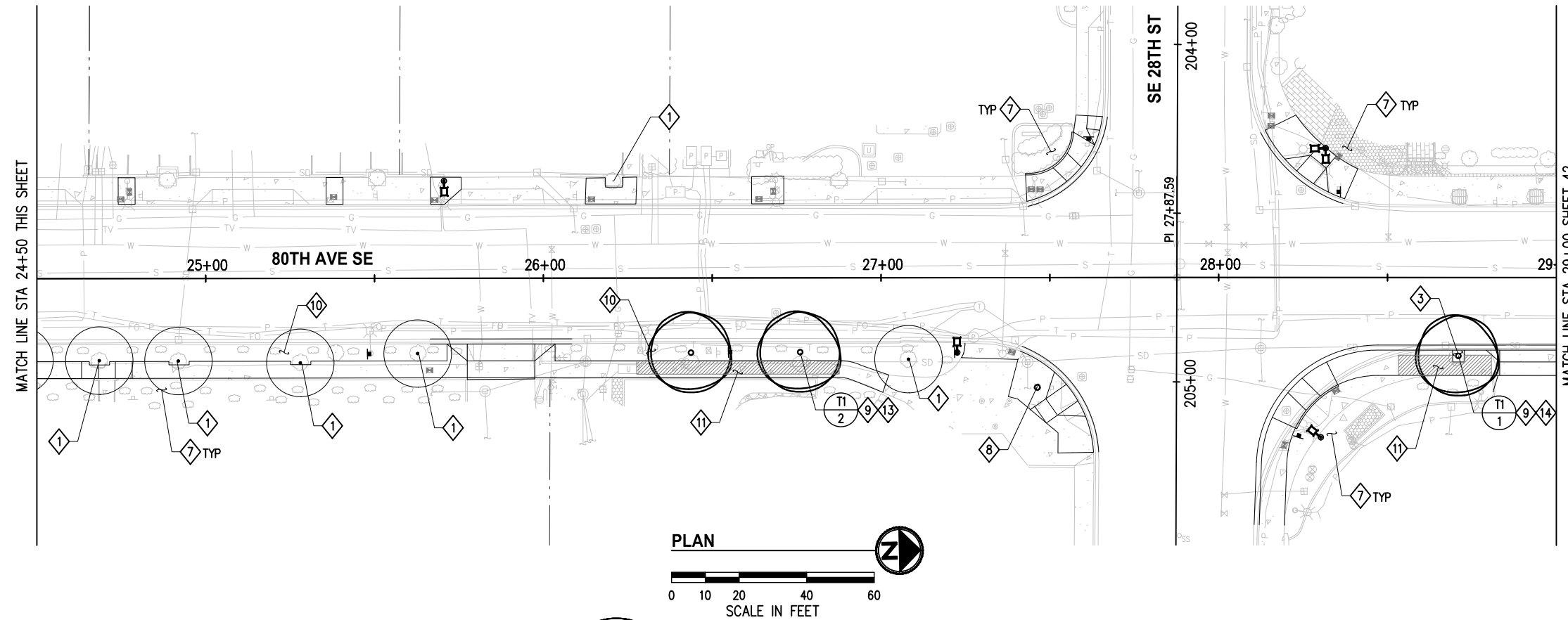
LANDSCAPE PLAN
STA 11+00 TO STA 20+50
KPG PROJ. No. 9MER010400 SHT 40 OF 46

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS.dwg 6/4/2024 10:15 AM



CONSTRUCTION NOTES

- 1 EXISTING TREE TO REMAIN, SAVE AND PROTECT PER DETAIL, SHEET 38.
- 2 ROADWAY PLANTER AREA; INSTALL TOPSOIL TYPE A TO DEPTH REQUIRED TO BRING FINISH GRADE TO 3" BELOW ADJACENT WALK AND TOPDRESS WITH 2" BARK OR WOOD CHIP MULCH, TYP.
- 3 TREE PLANTER AREA; INSTALL 36" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH, TYP.
- 7 EXISTING PRIVATE LANDSCAPE TO REMAIN; SAVE AND PROTECT.
- 8 INSTALL TRASH RECEPTACLE; SEE SURFACE MOUNT DETAIL, SHEET 38.
- 9 INSTALL TREE WATERING BAG SYSTEM, ONE EACH PER TREE.
- 10 EXISTING ROADWAY PLANTER; INSTALL 2" BARK OR WOOD CHIP MULCH OVER ENTIRE PLANTER AREA.
- 11 SILVA CELL AREA; SEE SPECIAL PROVISIONS APPENDIX C FOR CELL LAYOUT AND SHEETS 44-46 FOR SILVA CELL TYPICAL SECTIONS AND DETAILS.
- 13 INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 2, SHEET 39.
- 14 INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 3, SHEET 39.



SEE SHEETS 38-39 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| Approved By | | 9MER010400LS.dwg |
|---------------------|------|---------------------|
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MR 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY 06/2024 |
| | | MR 06/2024 |
| | | DRAWN BY 06/2024 |
| | | CS 06/2024 |
| | | CHECKED BY 06/2024 |
| | | DATE |



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

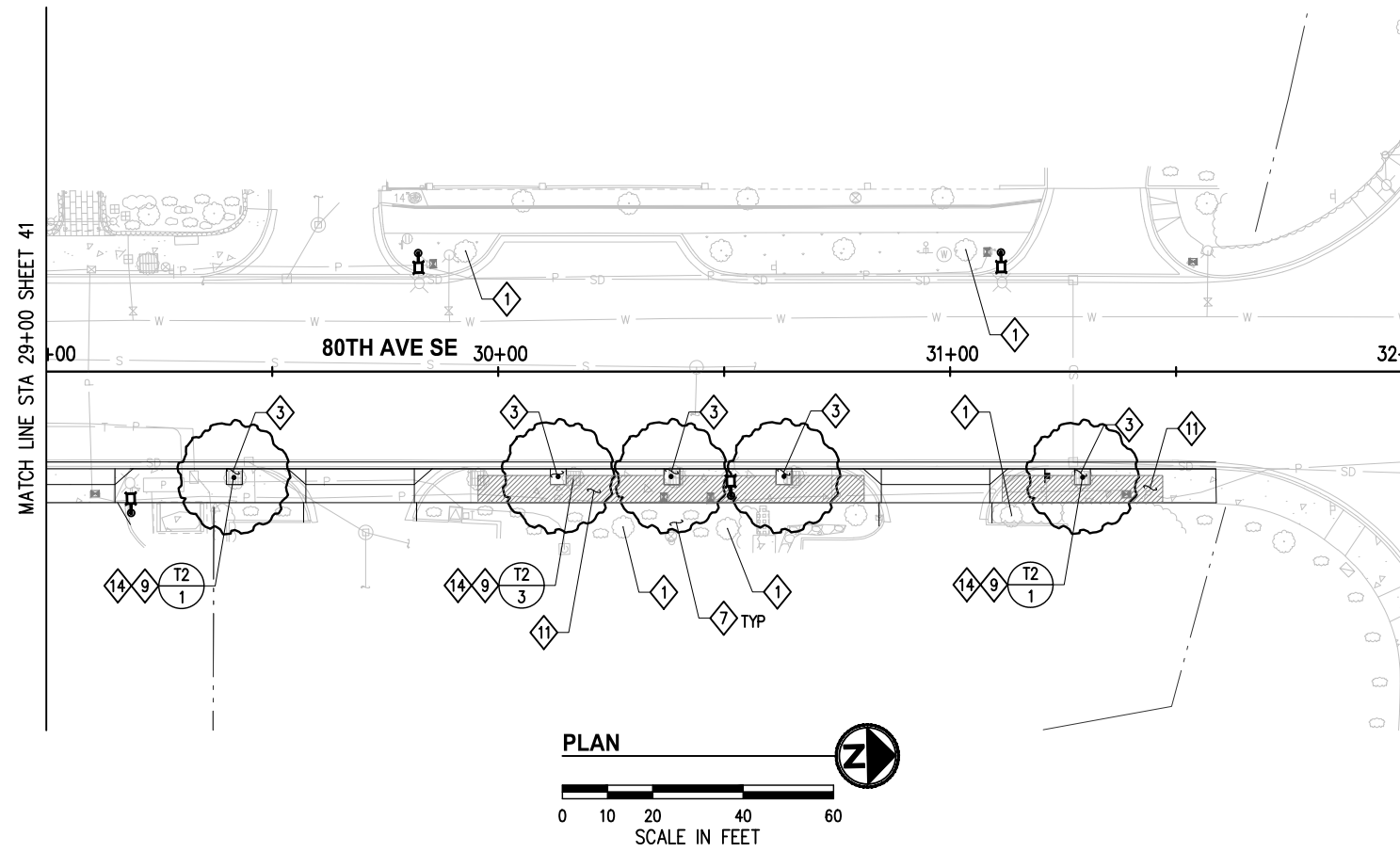
BID DOCUMENT



**CITY OF MERCER ISLAND
 80TH AVE SE PEDESTRIAN IMPROVEMENTS**

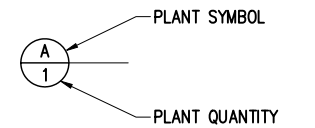
| LANDSCAPE PLAN STA 20+50 TO STA 29+00 | |
|--|--------------|
| KPG PROJ. No. 9MER010400 | SHT 41 OF 46 |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS.dwg 6/4/2024 10:15 AM



CONSTRUCTION NOTES

- ① EXISTING TREE TO REMAIN, SAVE AND PROTECT PER DETAIL, SHEET 38.
- ③ TREE PLANTER AREA; INSTALL 36" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH, TYP.
- ⑦ EXISTING PRIVATE LANDSCAPE TO REMAIN; SAVE AND PROTECT.
- ⑨ INSTALL TREE WATERING BAG SYSTEM, ONE EACH PER TREE.
- ⑪ SILVA CELL AREA; SEE SPECIAL PROVISIONS APPENDIX C FOR CELL LAYOUT AND SHEETS 44-46 FOR SILVA CELL TYPICAL SECTIONS AND DETAILS.
- ⑭ INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 3, SHEET 39.



**SEE SHEETS 38-39 FOR
LANDSCAPE SCHEDULE, DETAILS
AND GENERAL NOTES**

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400LS.dwg |
| ENGINEERING MANAGER | DATE | FILENAME |
| PROJECT MANAGER | DATE | MR 06/2024 |
| PROJECT ENGINEER | DATE | DESIGNED BY |
| | | MR 06/2024 |
| | | DRAWN BY |
| | | CS 06/2024 |
| | | CHECKED BY |
| | | |



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

**BID
DOCUMENT**



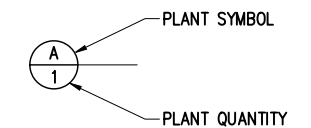
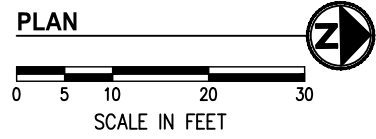
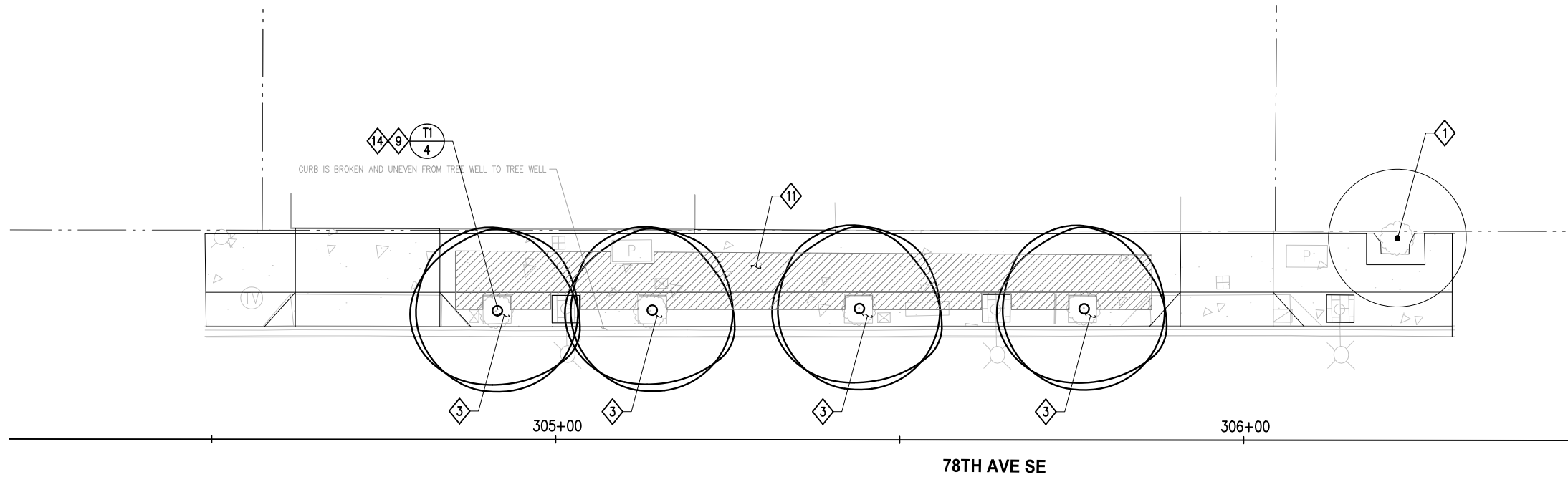
**CITY OF MERCER ISLAND
80TH AVE SE PEDESTRIAN
IMPROVEMENTS**

| | |
|--|----------------------------|
| LANDSCAPE PLAN STA 29+00 TO STA 32+00 | |
| KPG PROJ. No. 9MER010400 | SHT <u>42</u> OF <u>46</u> |

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400LS.dwg 6/4/2024 10:15 AM

CONSTRUCTION NOTES

- 1 EXISTING TREE TO REMAIN, SAVE AND PROTECT PER DETAIL, SHEET 38.
- 3 TREE PLANTER AREA; INSTALL 36" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH, TYP.
- 9 INSTALL TREE WATERING BAG SYSTEM, ONE EACH PER TREE.
- 11 SILVA CELL AREA; SEE SPECIAL PROVISIONS APPENDIX C FOR CELL LAYOUT AND SHEETS 44-46 FOR SILVA CELL TYPICAL SECTIONS AND DETAILS.
- 14 INSTALL ROOT BARRIER PER ROOT BARRIER LAYOUT TYPE 3, SHEET 39.



SEE SHEETS 38-39 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | |
|---------------------|------|------------------|
| Approved By | | 9MER010400LS.dwg |
| ENGINEERING MANAGER | DATE | DESIGNED BY |
| PROJECT MANAGER | DATE | MR |
| PROJECT ENGINEER | DATE | DRAWN BY |
| | | CS |
| | | 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
 80TH AVE SE PEDESTRIAN IMPROVEMENTS**

| | |
|--|----------------------------|
| LANDSCAPE PLAN STA 304+00 TO STA 306+50 | |
| KPG PROJ. No. 9MER010400 | SHT <u>43</u> OF <u>46</u> |



www.deeproot.com

DeepRoot Green Infrastructure, LLC
 1032 Irving Street, #614
 San Francisco, CA 94122-2200
 info@deeproot.com
 Tel: 800 458 7668 or 415 781 9700
 Fax: 800 277 7668 or 415 781 0191

80TH AVE SE PEDESTRIAN IMPROVEMENTS

Mercer Island, WA
 US-24-0404

May 29, 2024

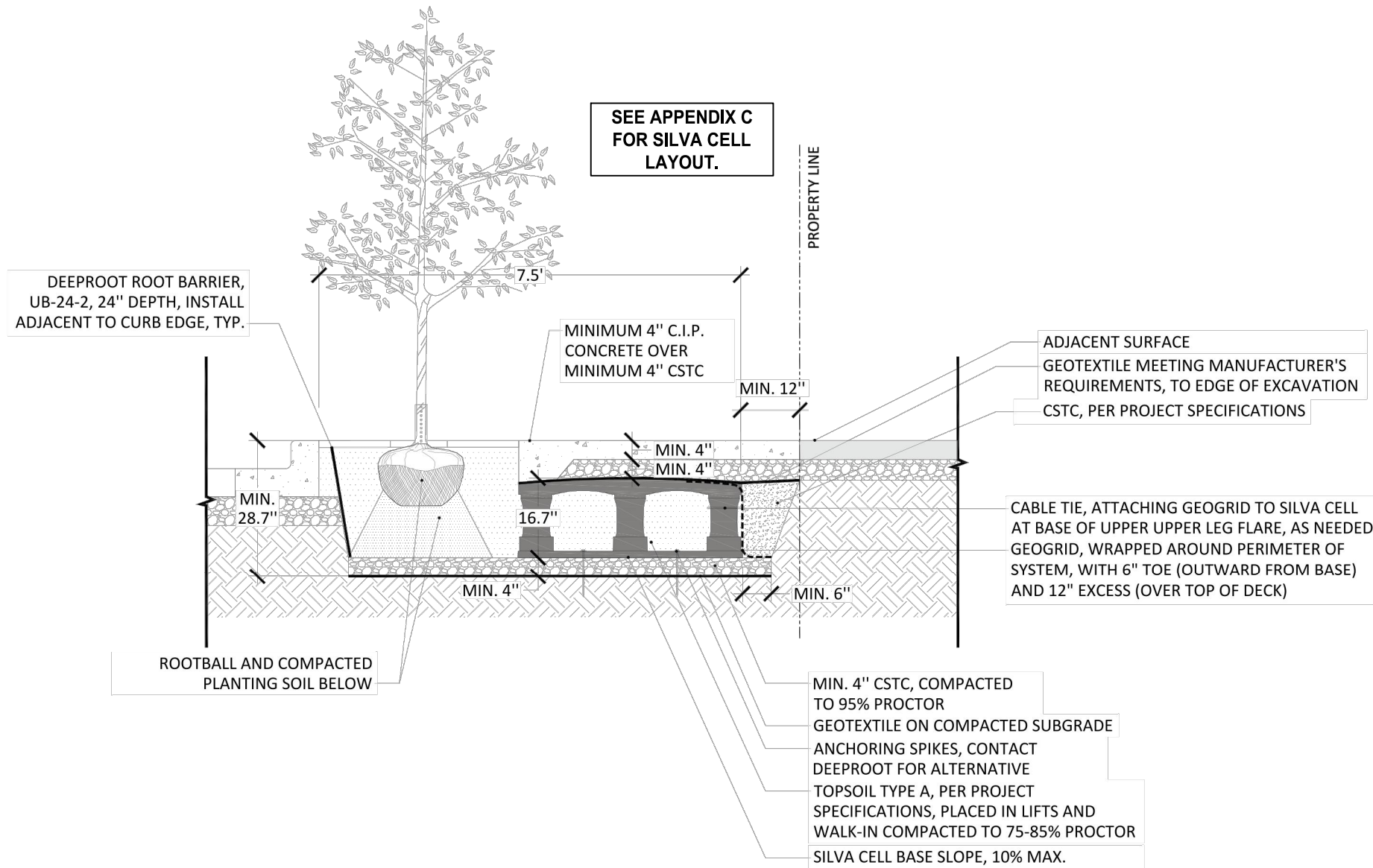
SILVA CELL SECTIONS

DISCLAIMER:
 Silva Cell 2 layouts are preliminary, and are based on the accuracy of the provided base information. Layouts use 6" spacing by default. Spacing between Silva Cells can vary between 1-6". Field adjustment may be required.

Client/Contractor is responsible for verifying location of structures and utilities that may be in conflict with this proposed Silva Cell 2 layout. When determining size of excavation, allow space for Cells, spacing between frames, and backfill.

It is the contractor's responsibility to confirm proposed elevations with the engineer of record.

NOT TO SCALE



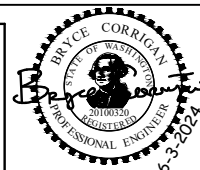
A SILVA CELL SYSTEM BELOW C.I.P. CONCRETE SIDEWALK AT TREE PLANTING, 1x SYSTEM
 NOT TO SCALE

NOTE: FIELD ADJUST THE SILVA CELLS IF NEEDED TO ENSURE THAT THE EXCAVATION REMAINS WITHIN THE ROW LIMIT.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_CELLS.dwg 6/4/2024 11:24 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | | |
|---------------------|------|-------------------------------------|------|
| Approved By | | 9MER010400DET_CELLS.dwg FILENAME | |
| ENGINEERING MANAGER | DATE | DESIGNED BY | DATE |
| PROJECT MANAGER | DATE | DRAWN BY | DATE |
| PROJECT ENGINEER | DATE | CHECKED BY | DATE |



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

BID DOCUMENT



CITY OF MERCER ISLAND
 80TH AVE SE PEDESTRIAN IMPROVEMENTS

| | |
|---------------------------|--------------|
| MODULAR SOIL CELL DETAILS | |
| 01 | |
| KPG PROJ. No. 9MER010400 | SHT 44 OF 46 |



www.deeproot.com

DeepRoot Green Infrastructure, LLC.
 1032 Irving Street, #614
 San Francisco, CA 94122-2200
 info@deeproot.com
 Tel: 800 458 7668 or 415 781 9700
 Fax: 800 277 7668 or 415 781 0191

80TH AVE SE
 PEDESTRIAN
 IMPROVEMENTS
 Mercer Island, WA
 US-24-0404

May 29, 2024

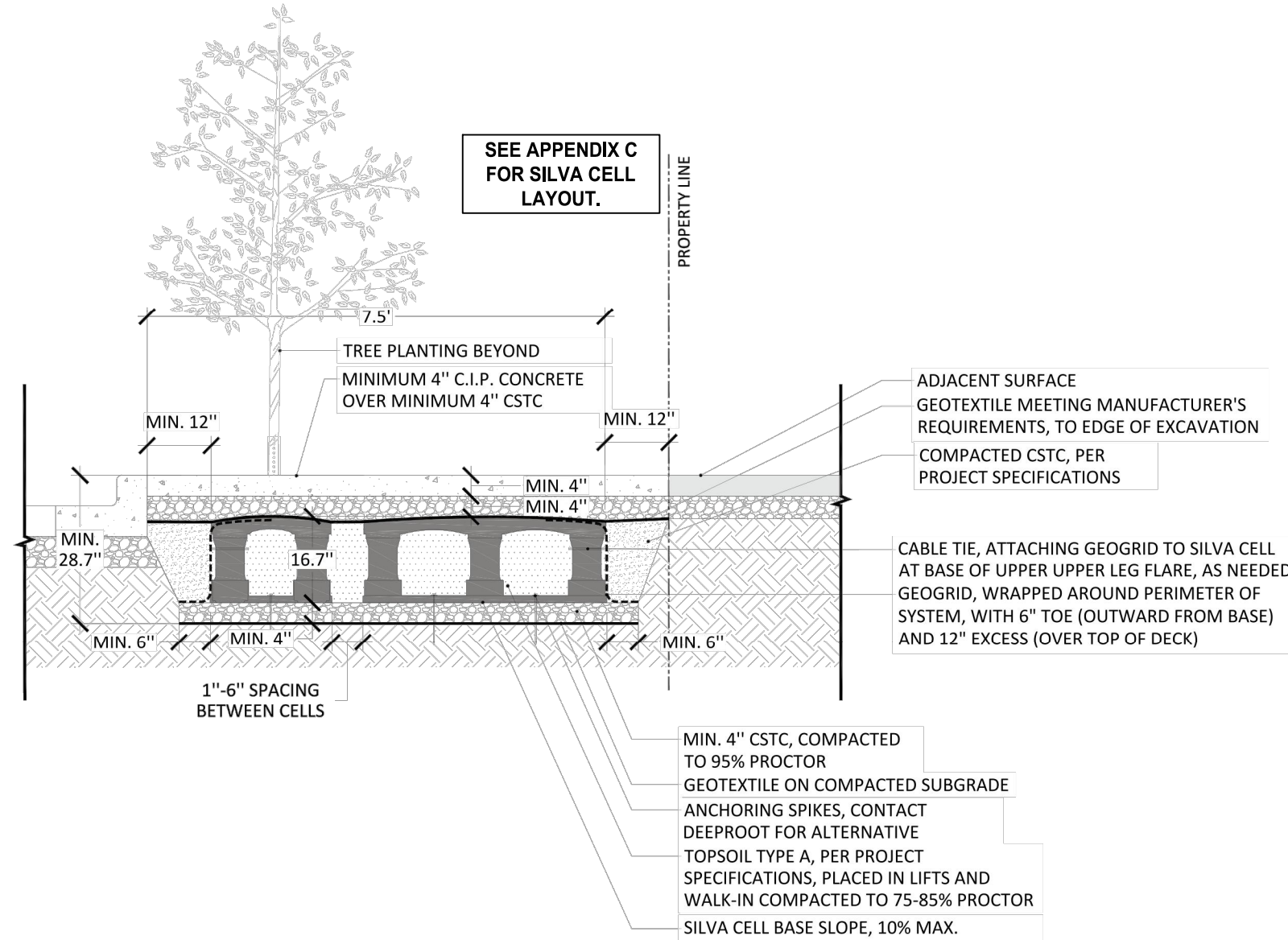
SILVA CELL
 SECTIONS

DISCLAIMER:
 Silva Cell 2 layouts are preliminary,
 and are based on the accuracy of
 the provided base information.
 Layouts use 6" spacing by default.
 Spacing between Silva Cells can
 vary between 1'-6". Field adjustment
 may be required.

Client/Contractor is responsible for
 verifying location of structures and
 utilities that may be in conflict with
 this proposed Silva Cell 2 layout.
 When determining size of
 excavation, allow space for Cells,
 spacing between frames, and
 backfill.

It is the contractor's responsibility to
 confirm proposed elevations with the
 engineer of record.

NOT TO SCALE



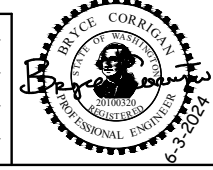
B SILVA CELL SYSTEM BELOW C.I.P. CONCRETE SIDEWALK AT CURB, 1x SYSTEM
 NOT TO SCALE

NOTE: FIELD ADJUST THE SILVA CELLS IF NEEDED TO ENSURE THAT THE EXCAVATION REMAINS WITHIN THE ROW LIMIT.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_CELLS.dwg 6/4/2024 11:24 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | | |
|---------------------|------|-------------------------|------|
| Approved By | | 9MER010400DET_CELLS.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
 80TH AVE SE PEDESTRIAN
 IMPROVEMENTS

| | |
|---------------------------|--------------|
| MODULAR SOIL CELL DETAILS | |
| 02 | |
| KPG PROJ. No. 9MER010400 | SHT 45 OF 46 |



www.deeproot.com

DeepRoot Green Infrastructure, LLC
 1032 Irving Street, #614
 San Francisco, CA 94122-2200
 info@deeproot.com
 Tel: 800 458 7668 or 415 781 9700
 Fax: 800 277 7668 or 415 781 0191

80TH AVE SE
 PEDESTRIAN
 IMPROVEMENTS
 Mercer Island, WA
 US-24-0404

May 29, 2024

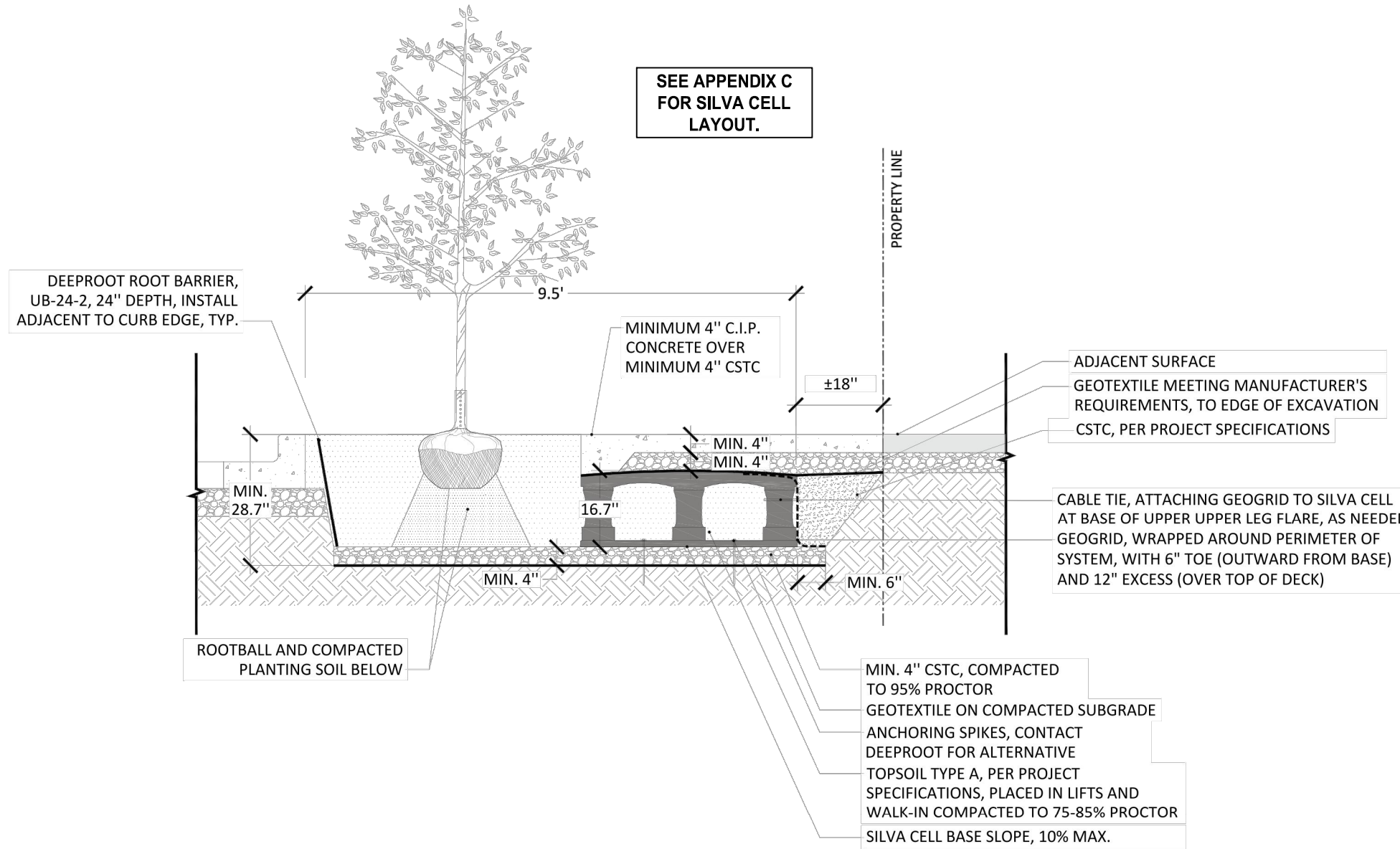
SILVA CELL
 SECTIONS

DISCLAIMER:
 Silva Cell 2 layouts are preliminary,
 and are based on the accuracy of
 the provided base information.
 Layouts use 6" spacing by default.
 Spacing between Silva Cells can
 vary between 1-6". Field adjustment
 may be required.

Client/Contractor is responsible for
 verifying location of structures and
 utilities that may be in conflict with
 this proposed Silva Cell 2 layout.
 When determining size of
 excavation, allow space for Cells,
 spacing between frames, and
 backfill.

It is the contractor's responsibility to
 confirm proposed elevations with the
 engineer of record.

NOT TO SCALE



SEE APPENDIX C
 FOR SILVA CELL
 LAYOUT.

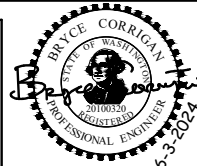
C SILVA CELL SYSTEM BELOW C.I.P. CONCRETE SIDEWALK AT OPEN PLANTER, 1x SYSTEM
 NOT TO SCALE

NOTE: FIELD ADJUST THE SILVA CELLS IF NEEDED TO ENSURE THAT
 THE EXCAVATION REMAINS WITHIN THE ROW LIMIT.

K:\MERCER ISLAND\9MER010400-80th Ave Sidewalk Design\CADD\SheetFiles\9MER010400DET_CELLS.dwg 6/4/2024 11:24 AM

| NO. | DATE | BY | APPR. | REVISIONS |
|-----|------|----|-------|-----------|
| | | | | |
| | | | | |
| | | | | |

| | | | |
|---------------------|------|-------------------------------------|------|
| Approved By | | 9MER010400DET_CELLS.dwg FILENAME | |
| ENGINEERING MANAGER | DATE | DESIGNED BY | DATE |
| PROJECT MANAGER | DATE | DRAWN BY | DATE |
| PROJECT ENGINEER | DATE | CHECKED BY | DATE |



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

BID DOCUMENT



CITY OF MERCER ISLAND
 80TH AVE SE PEDESTRIAN
 IMPROVEMENTS

| | |
|---------------------------|--------------|
| MODULAR SOIL CELL DETAILS | |
| 03 | |
| KPG PROJ. No. 9MER010400 | SHT 46 OF 46 |