

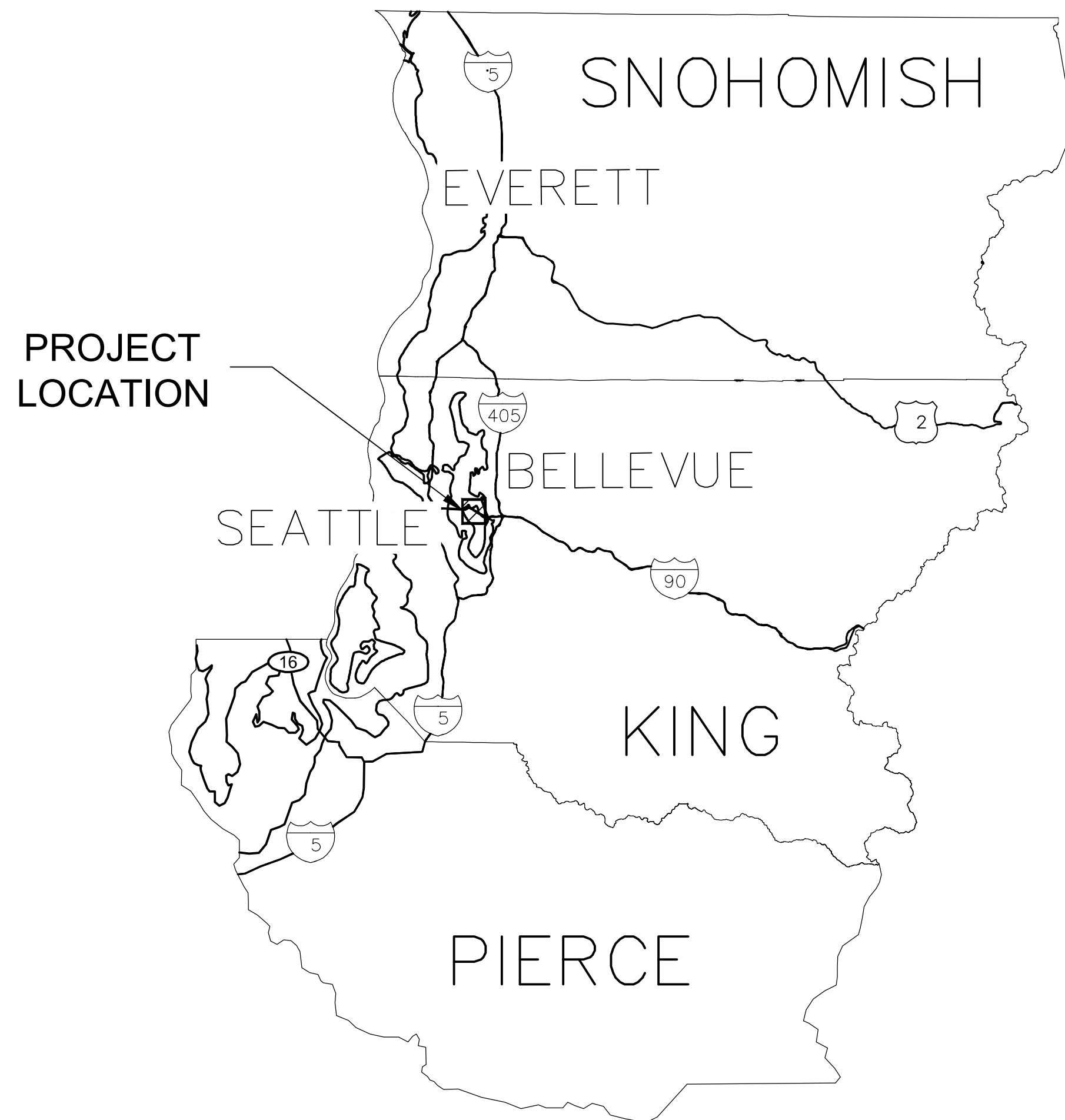


EAST LINK EXTENSION

RTA/AE 0072-19 MERCER ISLAND TRANSIT INTERCHANGE FINAL DESIGN & SERVICES

MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER
WAY

ISSUED FOR BID
JANUARY 2020



LOCATION MAP

VERTICAL DATUM NAVD 88
SEE DEA CONTROL TABLE FOR SITE BENCHMARKS

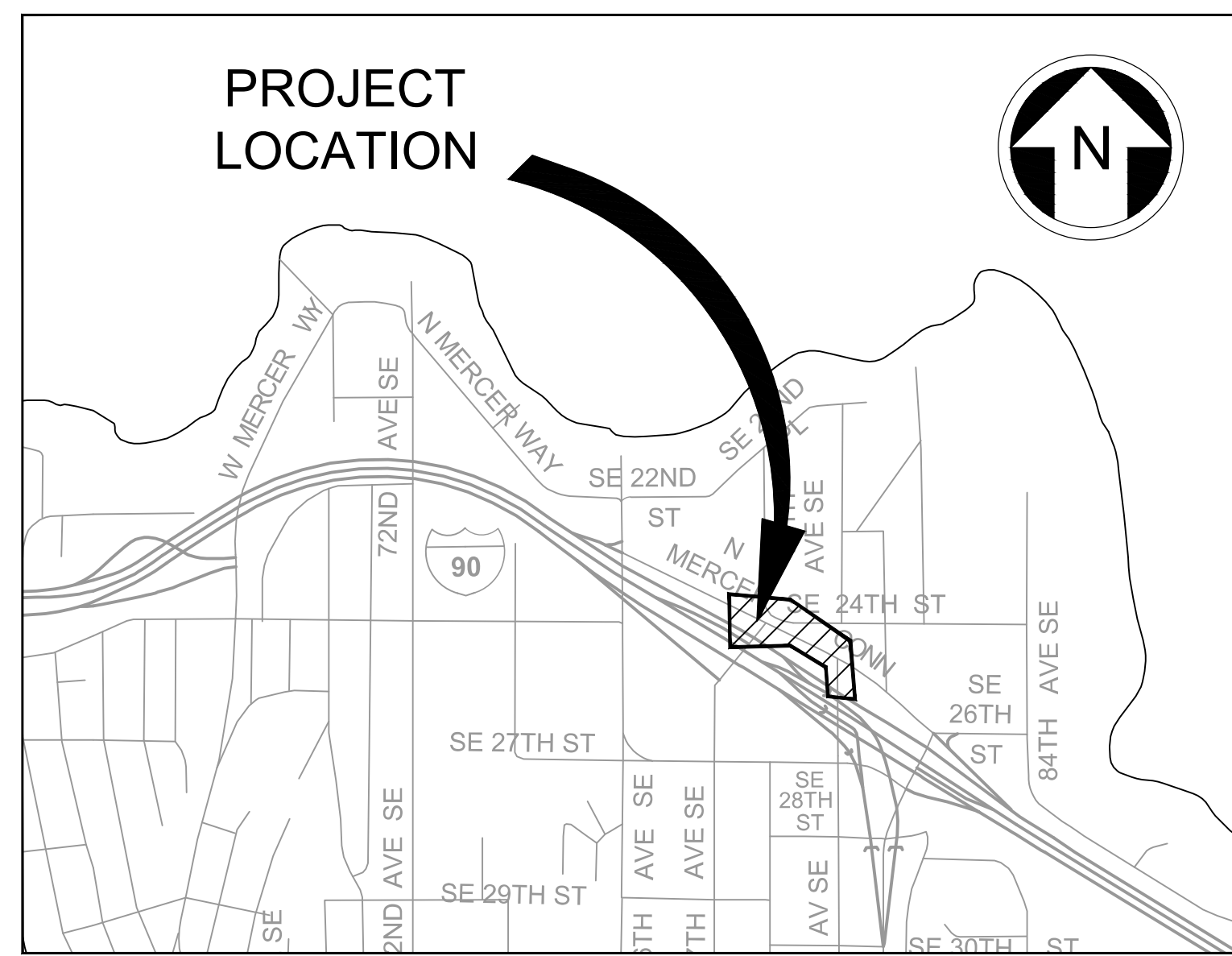
| DEA CONTROL | | | | | |
|-------------|-----------|------------|-----------|-------------|---|
| NUMBER | NORTHING | EASTING | ELEVATION | DESCRIPTION | ALIGNMENT DATA |
| 3002 | 218060.28 | 1293884.22 | N/A | MONUMENT | N/A |
| 3003 | 217990.04 | 1296561.33 | N/A | MONUMENT | N/A |
| 3101 | 217902.73 | 1295030.88 | 93.81 | MAG NAIL | MERCER STA: 13+40.34 OFFSET: 8.72 RIGHT |
| 3102 | 218074.63 | 1294764.51 | 88.37 | MAG NAIL | MERCER STA: 10+27.24 OFFSET: 34.76 LEFT |
| 3103 | 217884.18 | 1294668.83 | 91.70 | SCRIBE | 77TH STA: 4+24.29 OFFSET: 26.75 RIGHT |

LAND DESCRIPTION

PER CHICAGO TITLE COMPANY OF WASHINGTON, COMMITMENT NO. 190307-SC BEARING A COMMITMENT DATE OF JANUARY 15, 2019.
THE EAST 100 FEET OF LOT 7, BLOCK 23, MCGILVRA'S ISLAND ADDITION, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAGE 58, RECORDS OF KING COUNTY, WASHINGTON;
EXCEPT THE NORTH 86 FEET THEREOF;
EXCEPT THAT PORTION CONDEMNED FOR SR 90 BY KING COUNTY SUPERIOR COURT CAUSE NO. 84-2-03503-0.

LAND DESCRIPTION

PER CHICAGO TITLE COMPANY OF WASHINGTON, COMMITMENT NO. 190308-SC BEARING A COMMITMENT DATE OF FEBRUARY 1, 2019.
LOT 7, BLOCK 23, MCGILVRA'S ISLAND ADDITION, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAGE 58, IN KING COUNTY, WASHINGTON;
EXCEPT THE EAST 100 FEET THEREOF; AND
EXCEPT THAT PORTION THEREOF CONVEYED TO THE STATE OF WASHINGTON FOR HIGHWAY PURPOSES BY DEED RECORDED UNDER RECORDING NO. 8405100057; AND
EXCEPT ANY REMAINING PORTION THEREOF LYING WITHIN THE RIGHT OF WAY FOR SR 90.



VICINITY MAP
SCALE: 1" = 1000'

Project Valuation: \$7,100,000
Vault Valuation: \$185,000
Retaining Walls Valuation: \$142,000

| CUT / FILL TOTALS | | |
|-------------------|-------------------|----------|
| CMI & WSDOT ROW | 5608 CY / 1428 CY | |
| SNETHEN | 3 CY / 415 CY | 2642 TON |
| WOO | 4 CY / 137 CY | 768 TON |
| TOTAL | 5615 CY / 1980 CY | 253 TON |
| | | 3660 TON |



PREPARED BY:

SUBMITTED BY: *Anthony Otto Wilen* Anthony Otto Wilen
2020.12.11
13:50:29-08'00" DATE: 12/11/2020

ANTHONY WILEN, P.E.
PROJECT MANAGER

REVIEWED BY: *Martin Lu* Digitally signed by Martin Lu
Date: 2020.12.11 14:16:29
-08'00" DATE: 12/11/2020

MARTIN LU, P.E.
PROJECT MANAGER

| PROJECT CONTACTS | | |
|-----------------------|---------------|----------------|
| AGENCY | CONTACT | PHONE |
| SOUND TRANSIT | MARTIN LU | (206) 398-5189 |
| WSDOT | ANDREW WALTER | (206) 464-1258 |
| CITY OF MERCER ISLAND | PAT YAMASHITA | (206) 275-7722 |



| | |
|--------------|------------|
| DRAWING No. | E07-GZT001 |
| LOCATION ID: | E07 |
| SHEET No. | 1 OF 104 |
| REV: | 0 |

| INDEX OF DRAWINGS | | | |
|-------------------|------------|-----|---|
| SHT NO. | DWG NO. | REV | TITLE |
| 1 | E07-GZT001 | 0 | TITLE DRAWING, LOCATION MAP, AND VICINITY MAP |
| 2 | E07-GZI001 | 0 | INDEX OF DRAWINGS |
| 3 | E07-GZN001 | 0 | LEGEND, NOTES, AND ABBREVIATIONS |
| 4 | E07-GZK001 | 0 | KEY PLAN |
| 5 | E07-CAP001 | 0 | ALIGNMENT AND HORIZONTAL CONTROL PLAN |
| 6 | E07-CAP002 | 0 | ALIGNMENT AND HORIZONTAL CONTROL PLAN |
| 7 | E07-RPP001 | 0 | RIGHT-OF-WAY PLAN |
| 8 | E07-CRY001 | 0 | TYPICAL SECTIONS |
| 9 | E07-CRY002 | 0 | TYPICAL SECTIONS |
| 10 | E07-CRY003 | 0 | TYPICAL SECTIONS |
| 11 | E07-CXP001 | 0 | DEMOLITION AND REMOVAL PLAN |
| 12 | E07-CXP002 | 0 | DEMOLITION AND REMOVAL PLAN |
| 13 | E07-CXP003 | 0 | DEMOLITION AND REMOVAL PLAN |
| 14 | E07-CXP004 | 0 | PROPERTY DEMOLITION PLAN |
| 15 | E07-CTN001 | 0 | TEMPORARY EROSION SEDIMENT CONTROL NOTES |
| 16 | E07-CTP001 | 0 | TEMPORARY EROSION SEDIMENT CONTROL PLAN |
| 17 | E07-CTP002 | 0 | TEMPORARY EROSION SEDIMENT CONTROL PLAN |
| 18 | E07-CTP003 | 0 | TEMPORARY EROSION SEDIMENT CONTROL PLAN |
| 19 | E07-CTD001 | 0 | TEMPORARY EROSION SEDIMENT CONTROL DETAILS |
| 20 | E07-CRP001 | 0 | ROADWAY AND PAVING PLAN |
| 21 | E07-CRP002 | 0 | ROADWAY AND PAVING PLAN |
| 22 | E07-CRP003 | 0 | ROADWAY AND PAVING PLAN |
| 23 | E07-CRP004 | 0 | TRAFFIC ISLAND PLAN |
| 24 | E07-CRP005 | 0 | ADA CURB RAMP PLANS |
| 25 | E07-CRD001 | 0 | ROADWAY DETAILS |
| 26 | E07-CGP001 | 0 | GRADING PLAN |
| 27 | E07-CGP002 | 0 | GRADING PLAN |
| 28 | E07-CGP003 | 0 | GRADING PLAN |
| 29 | E07-CGS001 | 0 | GRADING POINT TABLES |
| 30 | E07-CGS002 | 0 | GRADING POINT TABLES |
| 31 | E07-CGV001 | 0 | GRADING PROFILES |
| 32 | E07-CGV002 | 0 | GRADING PROFILES |
| 33 | E07-CDP001 | 0 | DRAINAGE PLAN |
| 34 | E07-CDP002 | 0 | DRAINAGE PLAN |
| 35 | E07-CDP003 | 0 | DRAINAGE PLAN |
| 36 | E07-CDV001 | 0 | DRAINAGE PROFILES |
| 37 | E07-CDV002 | 0 | DRAINAGE PROFILES |
| 38 | E07-CDV003 | 0 | DRAINAGE PROFILES |
| 39 | E07-CDD001 | 0 | DRAINAGE DETAILS |
| 40 | E07-CDD002 | 0 | DRAINAGE DETAILS |
| 41 | E07-UCP001 | 0 | COMPOSITE UTILITY PLAN |
| 42 | E07-UCP002 | 0 | COMPOSITE UTILITY PLAN |
| 43 | E07-UCP003 | 0 | COMPOSITE UTILITY PLAN |
| 44 | E07-CMP001 | 0 | CHANNELIZATION AND SIGNING PLAN |
| 45 | E07-CMP002 | 0 | CHANNELIZATION AND SIGNING PLAN |
| 46 | E07-CMP003 | 0 | CHANNELIZATION AND SIGNING PLAN |
| 47 | E07-CMP004 | 0 | CHANNELIZATION AND SIGNING PLAN |
| 48 | E07-CMS001 | 0 | SIGNING SCHEDULES |
| 49 | E07-CMS002 | 0 | SIGNING SCHEDULES |
| 50 | E07-CLP001 | 0 | ILLUMINATION PLAN |
| 51 | E07-CLP002 | 0 | ILLUMINATION PLAN |
| 52 | E07-CLP003 | 0 | ILLUMINATION PLAN |
| 53 | E07-CLS001 | 0 | ILLUMINATION NOTES & SCHEDULES |
| 54 | E07-CLD001 | 0 | ILLUMINATION DETAILS |
| 55 | E07-CCP001 | 0 | CONSTRUCTION STAGING PLAN |
| 56 | E07-CCP100 | 0 | CONSTRUCTION STAGING PLAN - PHASE 1 |
| 57 | E07-CCP200 | 0 | CONSTRUCTION STAGING PLAN - PHASE 2 |
| 58 | E07-CCP300 | 0 | CONSTRUCTION STAGING PLAN - PHASE 3 |

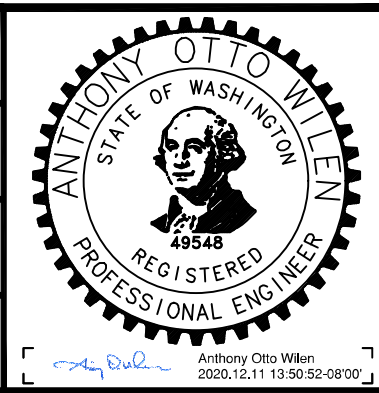
| INDEX OF DRAWINGS | | | |
|-------------------|------------|-----|--|
| SHT NO. | DWG NO. | REV | TITLE |
| 59 | E07-TMN001 | 0 | TRAFFIC CONTROL NOTES |
| 60 | E07-TMP001 | 0 | TRAFFIC CONTROL PLAN - CLASS 'A' SIGNS |
| 61 | E07-TMP002 | 0 | TRAFFIC CONTROL PLAN |
| 62 | E07-TMP003 | 0 | TRAFFIC CONTROL PLAN |
| 63 | E07-TMP004 | 0 | TRAFFIC CONTROL PLAN |
| 64 | E07-TMP005 | 0 | TRAFFIC CONTROL PLAN |
| 65 | E07-TMP006 | 0 | TEMPORARY TRAFFIC SIGNAL PLAN |
| 66 | E07-TMP100 | 0 | TRAFFIC CONTROL PLAN - PHASE 1 |
| 67 | E07-TMP200 | 0 | TRAFFIC CONTROL PLAN - PHASE 2 |
| 68 | E07-TMP300 | 0 | TRAFFIC CONTROL PLAN - PHASE 3 |
| 69 | E07-TDN001 | 0 | DETOUR NOTES |
| 70 | E07-TDP001 | 0 | VEHICLE DETOUR PLAN - PHASE 3 |
| 71 | E07-TDP100 | 0 | PEDESTRIAN DETOUR PLAN - PHASE 1 |
| 72 | E07-TDP200 | 0 | PEDESTRIAN DETOUR PLAN - PHASE 2 |
| 73 | E07-TDP300 | 0 | PEDESTRIAN DETOUR PLAN - PHASE 3 |
| 74 | E07-SWN001 | 0 | STRUCTURAL GENERAL NOTES |
| 75 | E07-SWN002 | 0 | SPECIAL INSPECTION AND TESTING |
| 76 | E07-SWP001 | 0 | GRAVITY WALL AND SOLDIER PILE WALL PLAN |
| 77 | E07-SWP002 | 0 | CURBS AND CURB WALL PLAN |
| 78 | E07-SWV001 | 0 | GRAVITY BLOCK AND SOLDIER PILE WALL PROFILES |
| 79 | E07-SWV002 | 0 | CURB WALL PROFILES |
| 80 | E07-SWD001 | 0 | GRAVITY BLOCK WALL DETAILS |
| 81 | E07-SWD002 | 0 | SOLDIER PILE WALL DETAILS |
| 82 | E07-SWD003 | 0 | SOLDIER PILE WALL - LAGGING DETAILS |
| 83 | E07-SWD004 | 0 | LUMINAIRE FOUNDATION AND SIGN FOUNDATION DETAILS |
| 84 | E07-SWD005 | 0 | CURB DETAILS |
| 85 | E07-SWD006 | 0 | CURB WALL DETAILS |
| 86 | E07-ASP001 | 0 | BUS SHELTER SITE PLAN |
| 87 | E07-LHP001 | 0 | HARDSCAPE PLAN |
| 88 | E07-LHP002 | 0 | HARDSCAPE PLAN |
| 89 | E07-LHP003 | 0 | HARDSCAPE PLAN |
| 90 | E07-LHP004 | 0 | ROUNDABOUT HARDSCAPE PLAN |
| 91 | E07-LHP005 | 0 | ROUNDABOUT HARDSCAPE PLAN |
| 92 | E07-LPN001 | 0 | LANDSCAPE NOTES |
| 93 | E07-LHD001 | 0 | HARDSCAPE DETAILS |
| 94 | E07-LHD002 | 0 | HARDSCAPE DETAILS |
| 95 | E07-LPP001 | 0 | LANDSCAPE PLAN |
| 96 | E07-LPP002 | 0 | LANDSCAPE PLAN |
| 97 | E07-LPP003 | 0 | LANDSCAPE PLAN |
| 98 | E07-LPD001 | 0 | LANDSCAPE DETAILS |
| 99 | E07-LPD002 | 0 | LANDSCAPE DETAILS |
| 100 | E07-LRP001 | 0 | IRRIGATION PLAN |
| 101 | E07-LRP002 | 0 | IRRIGATION PLAN |
| 102 | E07-LRP003 | 0 | IRRIGATION PLAN |
| 103 | E07-LRD001 | 0 | IRRIGATION DETAILS |
| 104 | E07-LRD002 | 0 | IRRIGATION DETAILS |

| CMI Permit | Procurement Responsibility |
|------------------------------------|----------------------------|
| Building Permit | ST |
| Stormwater Permit | ST |
| ROW Use Permit #1 | ST |
| ROW Use Permit #2 | ST |
| ROW Use Permit #3 | ST |
| Clear and Grade Permit #1 | ST |
| Clear and Grade Permit #2 | ST |
| Tree Removal - ROW | ST |
| Tree Removal - Residence #1 | ST |
| Tree Removal - Residence #2 | ST |
| Demolition Permit #1 | Contractor |
| Demolition Permit #2 | Contractor |
| Side sewer disconnect #1 | Contractor |
| Side sewer disconnect #2 | Contractor |
| Side sewer relocation/modification | Contractor |
| Waterservice abandonment #1 | Contractor |
| Waterservice abandonment #2 | Contractor |
| Fire Hydrant Permit | Contractor |
| UFD Underground Fire Permit | Contractor |
| Plumbing Permit (Irrigation) | Contractor |
| Deferred Submittal | |
| Detention Vault (see SP DIV 07) | Contractor |
| Detention Vault Temporary Shoring | Contractor |

12/11/20 | 1:05 PM | OXA P:\S\TRA0000087\0400CAD\TTS\HEETS\15-E07-GZI001.DWG

| | | | | | |
|-----------------------|------|-----|-----|-----|----------|
| ISSUED FOR BID | | | | | |
| No. | DATE | DSN | CHK | APP | REVISION |
| | | | | | |
| | | | | | |
| | | | | | |

| | |
|--------------|---------------|
| DESIGNED BY: | R. KOESTER |
| DRAWN BY: | O. AHRENSFELD |
| CHECKED BY: | M. FELIBERTI |
| APPROVED BY: | A. WILEN |



DAVID EVANS AND ASSOCIATES INC.
 14432 SE Eastgate Way, Suite 400
 Bellevue Washington 98007
 Phone: 425.519.6500

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU

SCALE: NTS
 FILENAME: E135-E07-GZI001
 CONTRACT No.: RTA/AE 0072-19

DATE: 12/11/2020

**EAST LINK EXTENSION
 MERCER ISLAND TRANSIT INTERCHANGE**
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY

INDEX OF DRAWINGS

| | |
|--------------|------------|
| DRAWING No.: | E07-GZI001 |
| LOCATION ID: | E07 |
| SHEET No.: | 2 OF 104 |
| REV: | 0 |

GENERAL

- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO UNDERTAKING THE AFFECTED WORK.
- ANY DISCREPANCIES IN THESE DRAWINGS, SPECIFICATIONS, THESE NOTES AND SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING AFTER REVIEWING ANY CHANGES. ANY WORK PERFORMED BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCY SHALL BE PERFORMED AT THE CONTRACTOR'S OWN RISK. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR WHEN IN THE VICINITY OF ANY UTILITY LINES TO NOTIFY ALL UTILITIES/AGENCIES WHEN CONSTRUCTION WORK BEGINS AND TO ARRANGE FOR A REPRESENTATIVE OF THE UTILITY/AGENCY TO BE PRESENT. THE CONTRACTOR SHALL COORDINATE ITS ACTIVITIES WITH ALL UTILITIES/AGENCIES.
- NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT WRITTEN AUTHORIZATION FROM THE RESIDENT ENGINEER.
- CONTRACTOR SHALL COORDINATE WORK WHICH AFFECTS ADJACENT PROPERTY OWNERS. ANY QUESTIONS OR AGREEMENTS BETWEEN ADJACENT PROPERTY OWNERS AND CONTRACTOR SHALL BE MADE IN WRITING. A COPY OF SUCH AGREEMENT SHALL BE PROVIDED TO SOUND TRANSIT.
- ALL UNITS OF MEASURE ARE IN FEET UNLESS OTHERWISE NOTED.

UTILITIES

- ALL UTILITIES MUST BE VERIFIED PRIOR TO CONSTRUCTION. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CALL (800) 424-5555 AT LEAST TWO DAYS, AND NO MORE THAN FIFTEEN DAYS, PRIOR TO STARTING SUCH EXCAVATION.
- THE CONTRACTOR SHALL PROTECT, IN PLACE, ALL UTILITIES AND/OR THEIR STRUCTURES WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. DAMAGE DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO CURRENT AGENCY STANDARDS.
- 811 MUST BE CALLED NOT LESS THAN 48 HOURS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS. (UP TO THREE TIMES THE COST OF REPAIRS TO THE SERVICE).

TRAFFIC CONTROL

- ALL BARRICADES, WARNING SIGNS, LIGHTS, DEVICES, ETC. FOR THE GUIDANCE OF VEHICLE TRAFFIC AND PEDESTRIANS SHALL CONFORM TO THE INSTALLATION SHOWN IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL TRAFFIC CONTROL SIGNS SHALL BE COATED WITH A HIGHLY REFLECTIVE SURFACE.
- CONTRACTOR SHALL MAKE DAILY INSPECTIONS OF BARRICADES AND FLASHING LIGHTS TO ENSURE PROPER FUNCTION OF THE WARNING DEVICES.

LEGEND

| EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|-------------------------------|
| | | ASPHALT CONCRETE |
| | | CONCRETE |
| | | PATTERNED CONCRETE |
| | | EPS GEOFOAM |
| | | GRAVEL SURFACING |
| | | CB TYPE 1 / CONCRETE INLET |
| | | CB TYPE 2 |
| | | STORM DRAIN PIPE |
| | | REMOVE EX. FEATURE |
| | | UNDERDRAIN PIPE |
| | | CLEANOUT |
| | | YARD DRAIN |
| | | POLE & LED LUMINAIRE |
| | | ILLUMINATION CONDUIT |
| | | JUNCTION BOX (TYPE 1, 2, & 3) |
| | | SERVICE CABINET |
| | | SIGN |
| | | GAS UNDERGROUND LINE |
| | | POWER UNDERGROUND LINE |
| | | POWER OVERHEAD LINE |
| | | SANITARY SEWER LINE |
| | | TELEPHONE UNDERGROUND LINE |
| | | TRASH RECEPTACLE |
| | | RECYCLE RECEPTACLE |

LEGEND (CONTINUED)

| EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|--|
| | | SEWER CLEANOUT |
| | | SANITARY SEWER MANHOLE |
| | | UTILITY POLE |
| | | GUY ANCHOR |
| | | ELECTRICAL CABINET |
| | | ELECTRICAL TRANSFORMER |
| | | ELECTRIC JBOX |
| | | LUMINAIRE |
| | | STREETLIGHT JBOX |
| | | ELECTRICAL VAULT |
| | | WATER BLOWOFF VALVE |
| | | POST INDICATOR VALVE |
| | | WATER METER |
| | | WATER VAULT |
| | | WATER MANHOLE |
| | | WATER VALVE |
| | | FIRE HYDRANT |
| | | IRRIGATION CONTROL VALVE |
| | | TELEPHONE RISER |
| | | FIBER OPTIC VAULT |
| | | TRAFFIC SIGNAL PULLBOX |
| | | TRAFFIC SIGNAL POLE (W/ AND W/OUT LUMINAIRE) |
| | | PEDESTRIAN SIGNAL HEAD |
| | | PEDESTRIAN SIGNAL POLE |
| | | PEDESTRIAN SIGNAL BUTTON |
| | | WATER LINE |
| | | FIBER OPTIC |
| | | BOLLARD |
| | | ELECTRICAL MANHOLE |
| | | MONITORING WELL |
| | | SECTION CORNER |
| | | QUARTER SECTION CORNER |
| | | MONUMENT FOUND AS NOTED |
| | | DECIDUOUS TREE |
| | | CONIFEROUS TREE |
| | | MAILBOX |
| | | INLET PROTECTION |
| | | HIGH VISIBILITY FENCE |
| | | SILT FENCE |
| | | TREE PROTECTION FENCE |
| | | SAWCUT |
| | | CEMENT CONCRETE CURB & GUTTER REMOVAL |
| | | EXTRUDED CURB REMOVAL |
| | | CLEARING & GRUBBING LIMITS |
| | | RIGHT OF WAY |
| | | PROPERTY LINE |
| | | WSDOT LIMITED ACCESS |
| | | CEMENT CONCRETE REMOVAL AREA |
| | | ASPHALT REMOVAL AREA |
| | | OBJECT/STRUCTURE REMOVAL |
| | | TREE REMOVAL |

ABBREVIATIONS

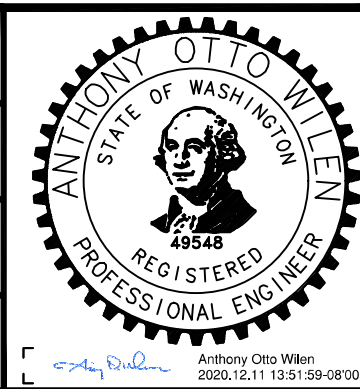
| | | | |
|--------|---|------|--|
| AC | ASPHALT | HMA | HOT MIX ASPHALT |
| APPROX | APPROXIMATELY | IE | INVERT ELEVATION |
| AREMA | AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION | IN | INCH |
| ASTM | ASTM INTERNATIONAL | IR | IRON ROD |
| BMP | BEST MANAGEMENT PRACTICES | JBOX | JUNCTION BOX |
| BP | BRASS PIN | LF | LINEAR FEET |
| BOH | BUILDING OVERHANG | MH | MANHOLE |
| (C) | CALCULATED | MAX | MAXIMUM |
| CB | CATCH BASIN | MIN | MINIMUM |
| CDF | CONTROLLED DENSITY FILL | ML | MAINLINE |
| CFS | CUBIC FEET PER SECOND | MPH | MILES PER HOUR |
| CG | CURB AND GUTTER | MON | MONUMENT |
| CIP | CAST IN PLACE | MT | MAIN TRACK |
| CL | CENTERLINE | MW | MONITORING WELL |
| CLF | CHAIN LINK FENCE | OC | ON CENTER |
| CO | CLEANOUT | OCS | OVERHEAD CONTACT SYSTEM |
| CONC | CONCRETE | OH | OVERHEAD |
| CSBC | CRUSHED SURFACING BASE COURSE | OMF | OPERATIONS AND MAINTENANCE FACILITY |
| CSTC | CRUSHED SURFACING TOP COURSE | OP | OVERHEAD POWER |
| CULV | CULVERT | OTM | OTHER TRACK MATERIAL |
| DI | DUCTILE IRON | OWS | OIL-WATER SEPARATOR |
| DIA | DIAMETER | PP | POWER POLE |
| DEA | DAVID EVANS AND ASSOCIATES INC. | RAB | ROUNDBOUT |
| DWG | DRAWING | SB | SURFACE BRASS MONUMENT |
| EA | EACH | SD | STORM DRAIN |
| ECC | EXTRUDED CONCRETE CURB | SDMH | STORM DRAIN MANHOLE |
| ELEC | ELECTRICAL | SS | SANITARY SEWER |
| ELEV | ELEVATION | SSMH | SANITARY SEWER MANHOLE |
| EP | EDGE OF PAVEMENT | TESC | TEMPORARY EROSION AND SEDIMENT CONTROL |
| EX | EXISTING | TO | TURNOUT |
| FD | FOUND | TOR | TOP OF RAIL |
| FH | FIRE HYDRANT | TYP | TYPICAL |
| FT | FOOT | WM | WATER METER |
| GALV | GALVANIZED | WQ | WATER QUALITY |
| GM | GAS METER | WV | WATER VALVE |
| GND | GROUND | | |
| GRS | GALVANIZED RIGID STEEL | | |

PROJECT CONTACTS

| AGENCY | CONTACT | PHONE |
|-----------------------|---------------|----------------|
| SOUND TRANSIT | MARTIN LU | (206) 398-5189 |
| WSDOT | ANDREW WALTER | (206) 464-1258 |
| CITY OF MERCER ISLAND | PAT YAMASHITA | (206) 275-7722 |

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

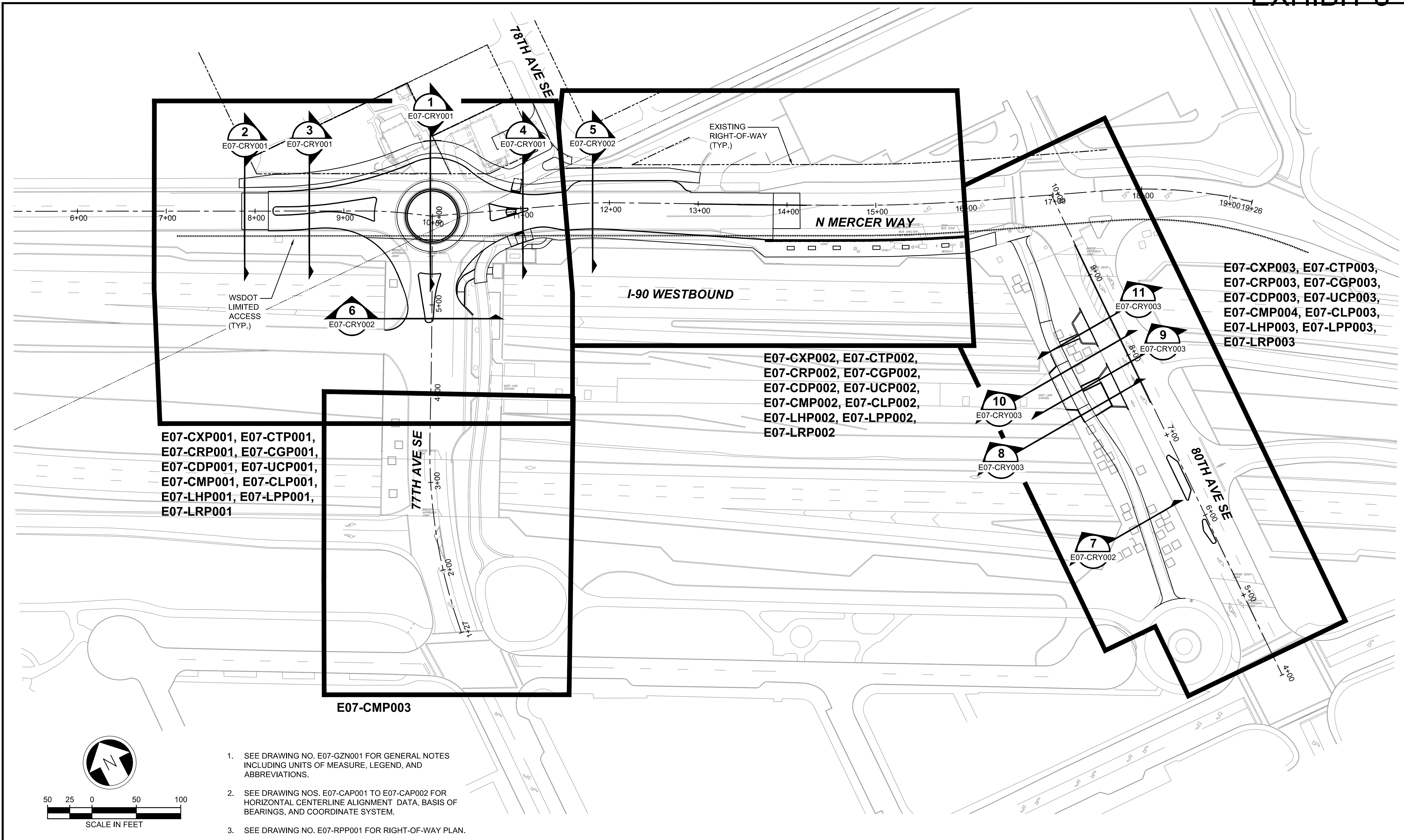
LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-GZN001
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LEGEND, NOTES, AND ABBREVIATIONS

DRAWING No.:
E07-GZN001
LOCATION ID:
E07
SHEET No.:
3 OF 104
REV:
0



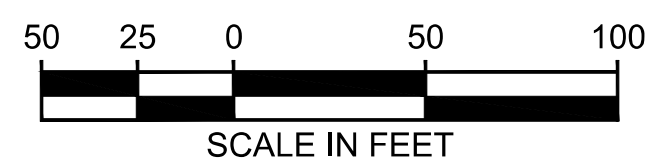
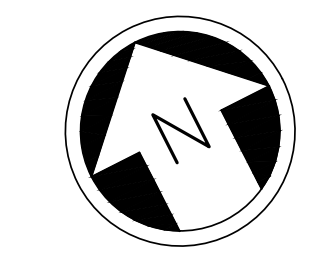
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E07-CMP001, E07-CLP001,
E07-LHP001, E07-LPP001,
E07-LRP001

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E07-CRP002, E07-CGP002,
E07-CDP002, E07-UCP002,
E07-CMP002, E07-CLP002,
E07-LHP002, E07-LPP002,
E07-LRP002

E07-CXP003, E07-CTP003,
E07-CRP003, E07-CGP003,
E07-CDP003, E07-UCP003,
E07-CMP004, E07-CLP003,
E07-LHP003, E07-LPP003,
E07-LRP003

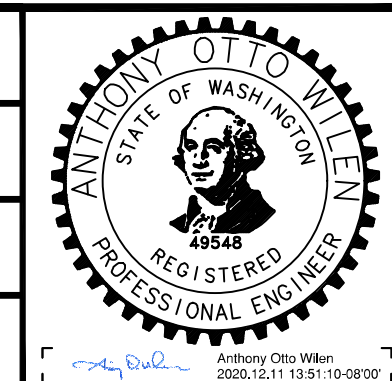
E07-CMP003

- SEE DRAWING NO. E07-GZN001 FOR GENERAL NOTES INCLUDING UNITS OF MEASURE, LEGEND, AND ABBREVIATIONS.
- SEE DRAWING NOS. E07-CAP001 TO E07-CAP002 FOR HORIZONTAL CENTERLINE ALIGNMENT DATA, BASIS OF BEARINGS, AND COORDINATE SYSTEM.
- SEE DRAWING NO. E07-RPP001 FOR RIGHT-OF-WAY PLAN.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 50'
FILENAME:
E135-E07-GZK001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

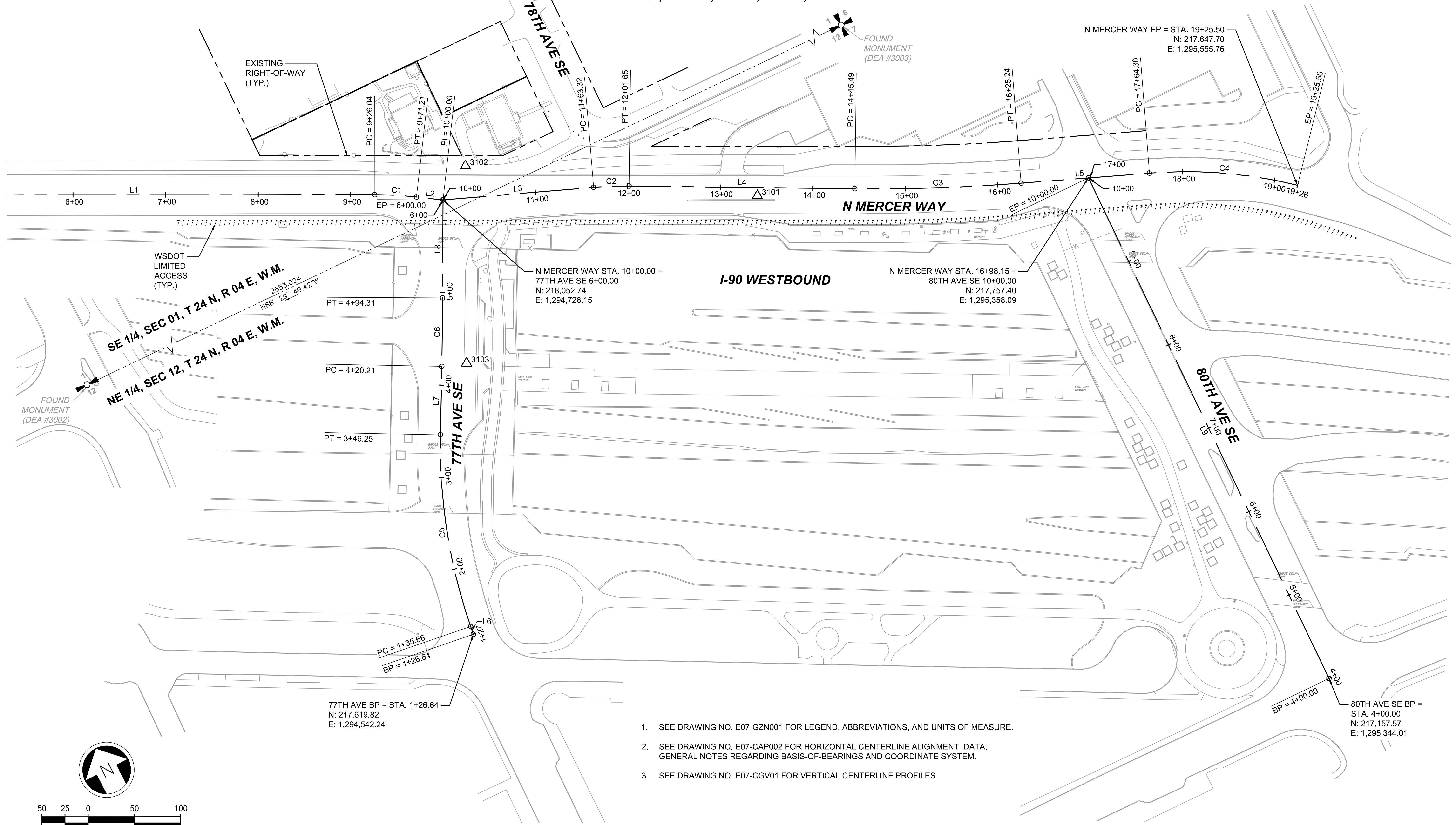
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
KEY PLAN

DRAWING No.:
E07-GZK001
LOCATION ID:
E07
SHEET No.: 4 OF 104
REV: 0

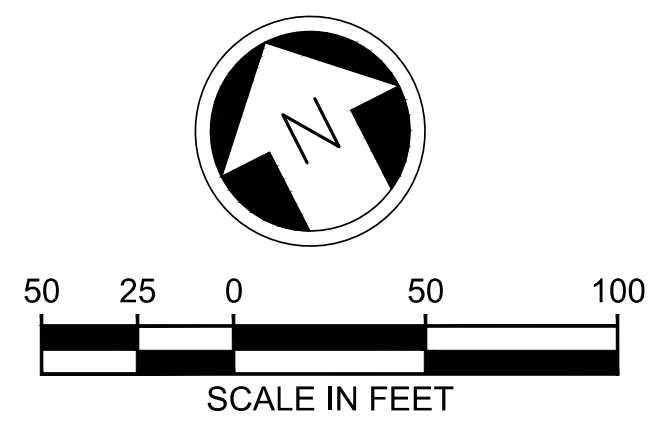
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SE 1/4, SEC 01, T 24 N, R 04 E, W.M.

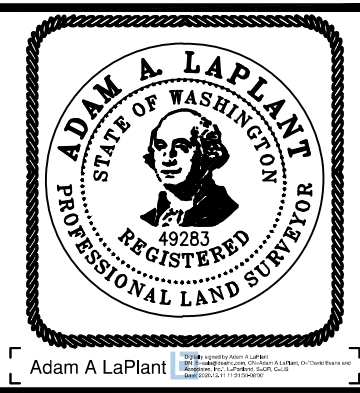


1. SEE DRAWING NO. E07-GZN001 FOR LEGEND, ABBREVIATIONS, AND UNITS OF MEASURE.
2. SEE DRAWING NO. E07-CAP002 FOR HORIZONTAL CENTERLINE ALIGNMENT DATA, GENERAL NOTES REGARDING BASIS-OF-BEARINGS AND COORDINATE SYSTEM.
3. SEE DRAWING NO. E07-CGV01 FOR VERTICAL CENTERLINE PROFILES.



ISSUED FOR BID

DESIGNED BY:
A. LAPLANT
DRAWN BY:
N. FITZPATRICK
CHECKED BY:
D. VOGT
APPROVED BY:
A. LAPLANT



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Bellevue Washington 98007
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LINE IS 1" AT FULL SCALE



SCALE:
1" = 50'
FILENAME:
E135-E07-CAP001-002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ALIGNMENT AND HORIZONTAL CONTROL PLAN

DRAWING No.:
E07-CAP001
LOCATION ID:
E07
SHEET No.:
5 OF 104
REV:
0

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| No. | DATE | DSN | CHK | APP | REVISION |
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| | | | | | |

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

| N MERCER WAY (ALIGNMENT DATA) | | | | | | |
|-------------------------------|------------------|------------|----------------|--------|---------|----------------------|
| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
| C1 | 9+26.04 | 9+48.65 | 9+71.21 | 45.17 | 400.00 | 006°28'11" |
| C2 | 11+63.32 | 11+82.50 | 12+01.65 | 38.34 | 400.00 | 005°29'28" |
| C3 | 14+45.49 | 15+35.43 | 16+25.24 | 179.75 | 2000.00 | 005°08'58" |
| C4 | 17+64.30 | 18+45.60 | 19+25.50 | 161.21 | 504.00 | 018°19'35" |
| L1 | 4+04.90 | N/A | 9+26.04 | 521.14 | N/A | S63° 01' 47"E |
| L2 | 9+71.21 | N/A | 10+00.00 | 28.79 | N/A | S56° 33' 36"E |
| L3 | 10+00.00 | N/A | 11+63.32 | 163.32 | N/A | S67° 48' 22"E |
| L4 | 12+01.65 | N/A | 14+45.49 | 243.84 | N/A | S62° 18' 54"E |
| L5 | 16+25.24 | N/A | 17+64.30 | 139.05 | N/A | S67° 27' 52"E |

| 77TH AVE SE (ALIGNMENT DATA) | | | | | | |
|------------------------------|------------------|------------|----------------|--------|---------|----------------------|
| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
| C5 | 1+35.66 | 2+42.05 | 3+46.25 | 210.59 | 600.00 | 020°06'36" |
| C6 | 4+20.21 | 4+57.26 | 4+94.31 | 74.09 | 5000.00 | 000°50'56" |
| L6 | 1+26.64 | N/A | 1+35.66 | 9.02 | N/A | N08° 00' 17"E |
| L7 | 3+46.25 | N/A | 4+20.21 | 73.97 | N/A | N28° 06' 53"E |
| L8 | 4+94.31 | N/A | 6+00.00 | 105.70 | N/A | N27° 15' 57"E |

| 80TH AVE SE (ALIGNMENT DATA) | | | | | | |
|------------------------------|------------------|------------|----------------|--------|--------|----------------------|
| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
| L9 | 4+00.00 | N/A | 10+00.00 | 600.00 | N/A | N01° 20' 38"E |

| DEA CONTROL | | | | | |
|-------------|-----------|------------|-----------|-------------|---|
| NUMBER | NORTHING | EASTING | ELEVATION | DESCRIPTION | ALIGNMENT DATA |
| 3002 | 218060.28 | 1293884.22 | N/A | MONUMENT | N/A |
| 3003 | 217990.04 | 1296561.33 | N/A | MONUMENT | N/A |
| 3101 | 217902.73 | 1295030.88 | 93.81 | MAG NAIL | MERCER STA: 13+40.34 OFFSET: 8.72 RIGHT |
| 3102 | 218074.63 | 1294764.51 | 88.37 | MAG NAIL | MERCER STA: 10+27.24 OFFSET: 34.76 LEFT |
| 3103 | 217884.18 | 1294668.83 | 91.70 | SCRIBE | 77TH STA: 4+24.29 OFFSET: 26.75 RIGHT |

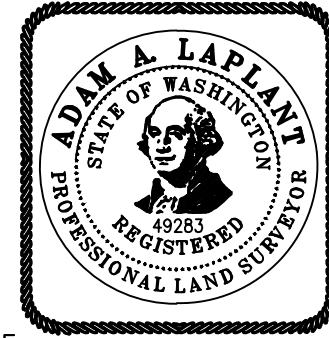



NOTES

1. SEE DRAWING NO. E07-GZN001 FOR LEGEND, ABBREVIATIONS, AND UNITS OF MEASURE.
2. SEE DRAWING NO. E07-CGV001 FOR VERTICAL CENTERLINE PROFILES.
3. UNITS OF MEASUREMENT ARE IN FEET UNLESS OTHERWISE NOTED.

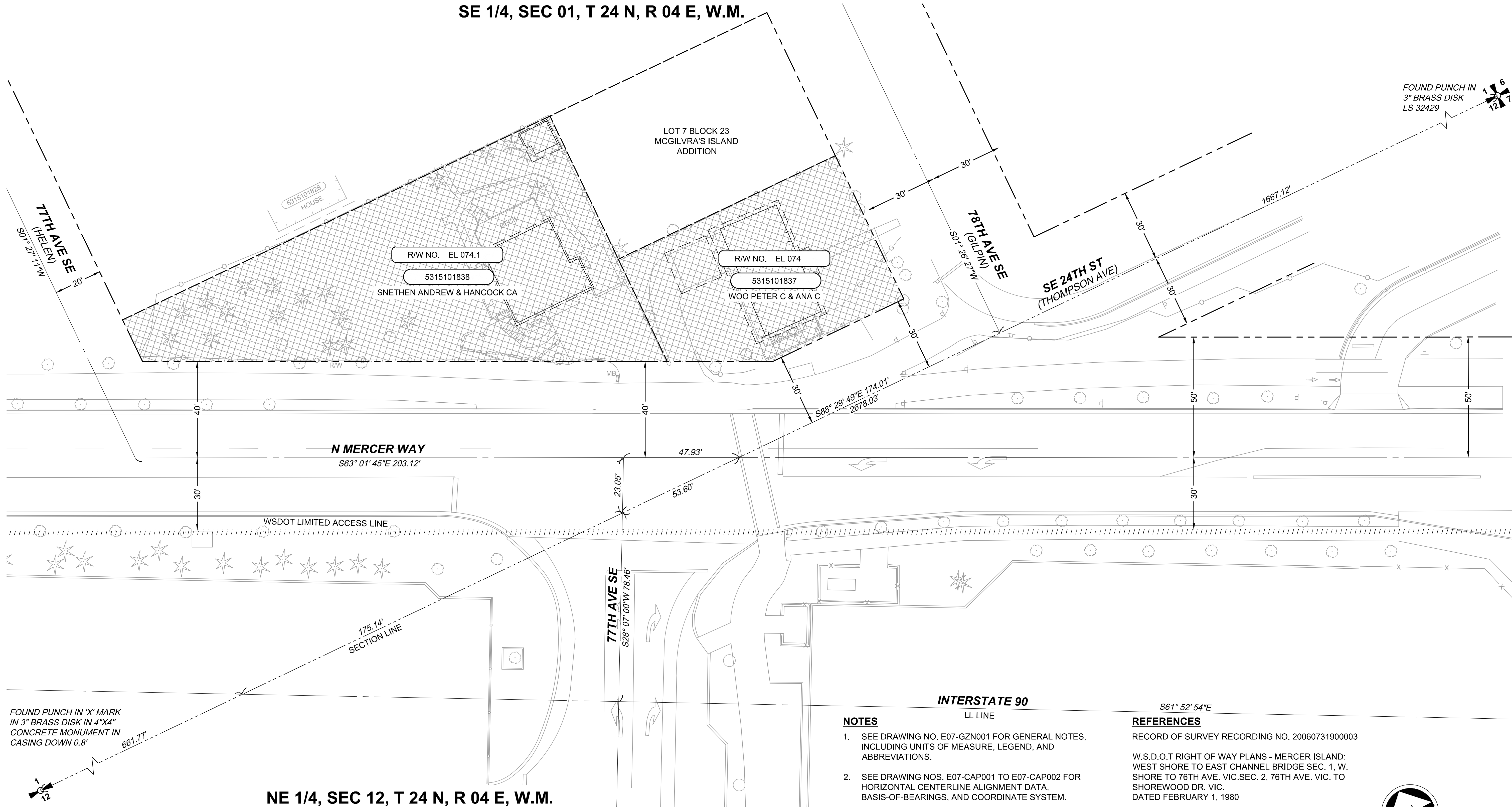
SURVEY NOTES

1. **PURPOSE OF THIS SURVEY** THIS SURVEY WAS PERFORMED DURING MAY, 2019 IN SUPPORT OF A SOUND TRANSIT INTERCHANGE PROJECT AND IS INTENDED TO BE USED FOR THIS PURPOSE. SPECIFIC INFORMATION SHOWN HEREON SHOULD BE VERIFIED AS TO ITS ACCURACY IF THIS SURVEY IS TO BE USED FOR PURPOSES OTHER THAN WHAT IT WAS INTENDED FOR.
2. **METHODOLOGY** FIELD MEASUREMENTS FOR THIS SURVEY WERE PERFORMED USING A LEICA TS15 TOTAL STATION AND A LEICA GS14 GPS RECEIVERS. THIS SURVEY COMPLIES WITH THE MINIMUM REQUIRED "ERROR OF CLOSURE" OF 1:10,000 FOR WASHINGTON STATE PLANE COORDINATES AS SET FORTH PER W.A.C. 332-130-090.
3. **BASIS OF BEARING AND COORDINATES** WASHINGTON PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83-2011 EPOCH 2010.00, N 88° 29' 49" W ALONG THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 12 BETWEEN MONUMENTS FOUND IN PLACE.
4. **VERTICAL DATUM** NAVD 88
SEE DEA CONTROL TABLE FOR SITE BENCHMARKS
5. **MONUMENTATION VISITATION** ALL SURVEY MONUMENTS AND OTHER SURVEY MARKERS SHOWN HEREON WERE VISITED DURING OCTOBER, 2018 UNLESS OTHERWISE INDICATED.

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| | | | | | | | | |
|----------------|-----------------------------|---|---|---|---|----------------------------------|---|-----------------------------------|
| ISSUED FOR BID | DESIGNED BY: A. LAPLANT |  |  |  |  | SCALE: NTS | EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY ALIGNMENT AND HORIZONTAL CONTROL PLAN | DRAWING No.: E07-CAP002 |
| | DRAWN BY: N. FITZPATRICK | | | | | FILENAME: E135-E07-CAP001-002 | | LOCATION ID: E07 |
| | CHECKED BY: D. VOGT | | | | | CONTRACT No.: RTA/AE 0072-19 | | SHEET No.: 6 OF 104 |
| | APPROVED BY: A. LAPLANT | | SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 | | REV: 0 |
| No. | DATE | DSN | CHK | APP | REVISION | | | |

SE 1/4, SEC 01, T 24 N, R 04 E, W.M.



FOUND PUNCH IN 3" BRASS DISK LS 32429

FOUND PUNCH IN 'X' MARK IN 3" BRASS DISK IN 4"x4" CONCRETE MONUMENT IN CASING DOWN 0.8'

NE 1/4, SEC 12, T 24 N, R 04 E, W.M.

* PARCEL AREA IS FROM THE COUNTY ASSESSOR RECORDS.

| SOUND TRANSIT R/W NO. | PARCEL NO. (TAX ACCOUNT NO.) | OWNERS | PARCEL AREA SQ. FT. | FEE TAKE SQ. FT. | REMAINDER SQ. FT. | KING CO. RECORDING NO. |
|-----------------------|------------------------------|---|---------------------|------------------|-------------------|------------------------|
| 1 | EL 074.1 | 5315101838 SNETHEN ANDREW & HANCOCK CA | 13,788* | 13,788 | 0 | 20200124900007 |
| 2 | EL 074 | 5315101837 WOO PETER C & ANA C | 6,267* | 6,267 | 0 | 20200124900006 |

NOTES

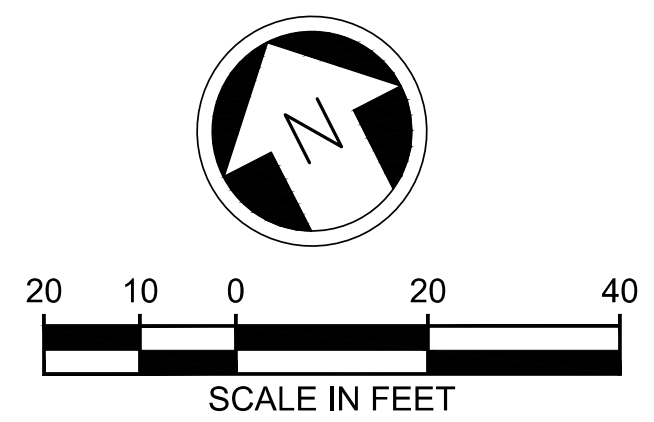
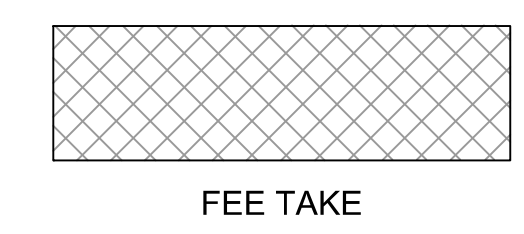
- SEE DRAWING NO. E07-GZN001 FOR GENERAL NOTES, INCLUDING UNITS OF MEASURE, LEGEND, AND ABBREVIATIONS.
- SEE DRAWING NOS. E07-CAP001 TO E07-CAP002 FOR HORIZONTAL CENTERLINE ALIGNMENT DATA, BASIS-OF-BEARINGS, AND COORDINATE SYSTEM.

REFERENCES

RECORD OF SURVEY RECORDING NO. 20060731900003

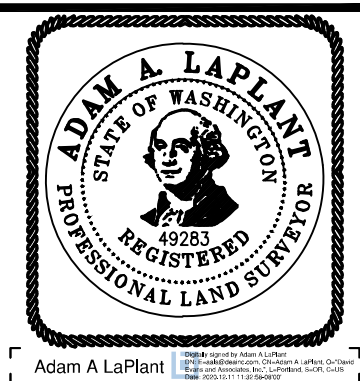
W.S.D.O.T RIGHT OF WAY PLANS - MERCER ISLAND: WEST SHORE TO EAST CHANNEL BRIDGE SEC. 1, W. SHORE TO 76TH AVE. VIC. SEC. 2, 76TH AVE. VIC. TO SHOREWOOD DR. VIC. DATED FEBRUARY 1, 1980

- EXISTING RIGHT-OF-WAY LINE
- EXISTING PROPERTY/LOT LINE
- SECTION LINE
- ////// WSDOT LIMITED ACCESS LINE



ISSUED FOR BID

DESIGNED BY:
A. LAPLANT
DRAWN BY:
N. FITZPATRICK
CHECKED BY:
D. VOGT
APPROVED BY:
A. LAPLANT



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
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LINE IS 1" AT FULL SCALE

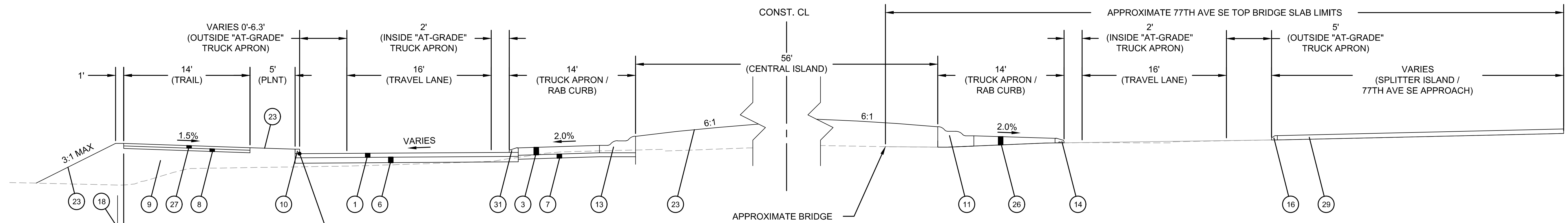


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1" = 20'
FILENAME:
E135-E07-RPP001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

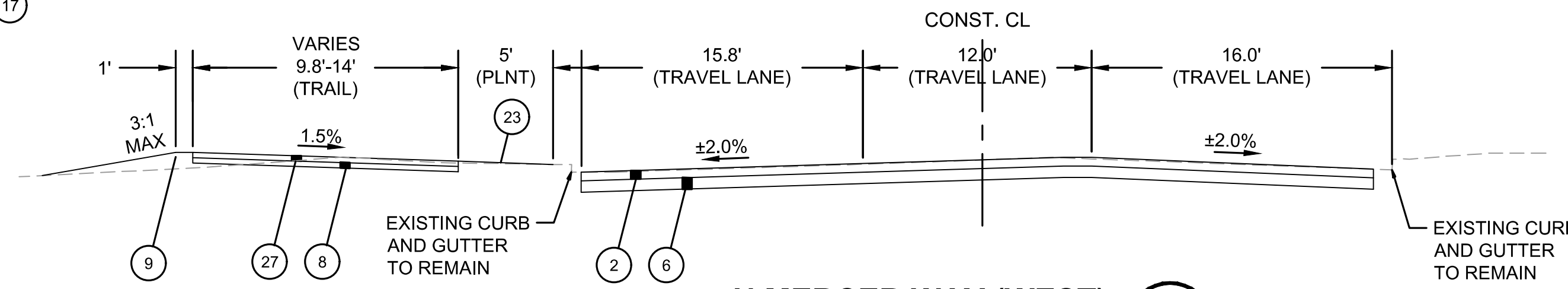
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
RIGHT-OF-WAY PLAN

DRAWING No.:
E07-RPP001
LOCATION ID:
E07
SHEET No.: 7 OF 104
REV: 0

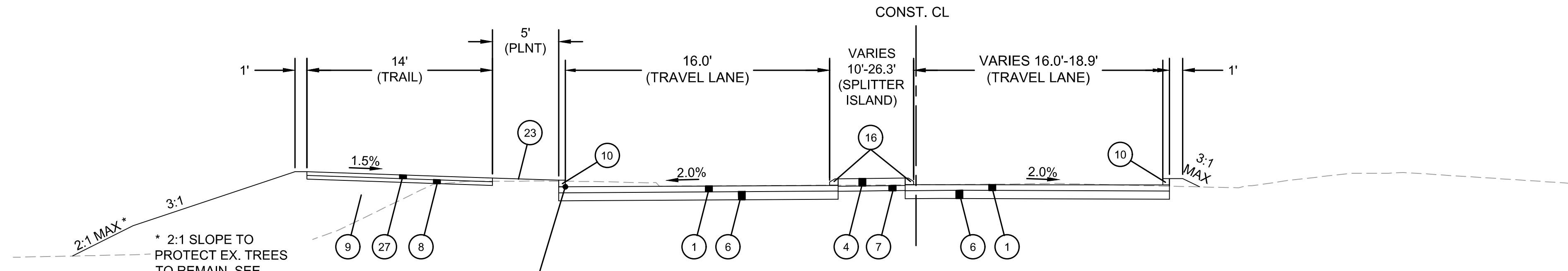
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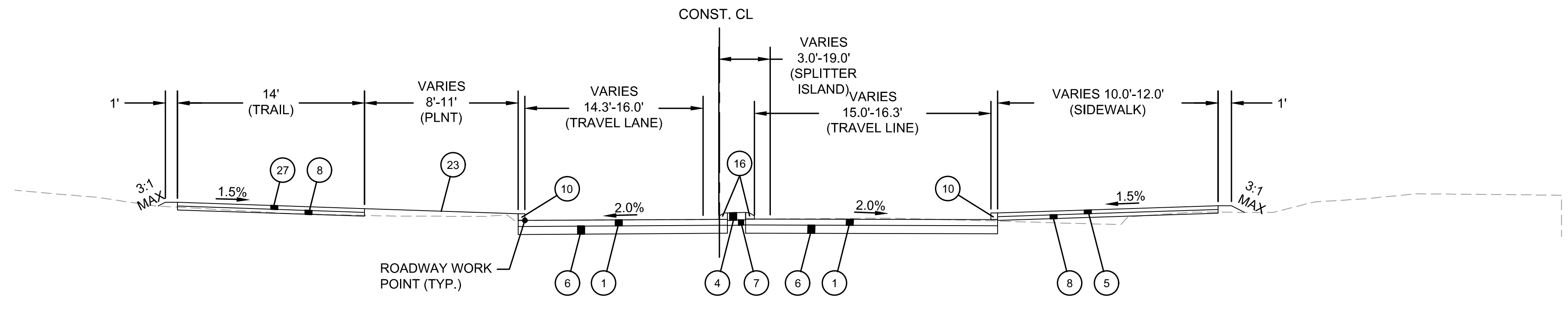
N MERCER WAY ROUNDABOUT 1
 NTS E07-CRP001 E07-GZK001



N MERCER WAY (WEST) 2
 NTS E07-CRP001 E07-GZK001



N MERCER WAY (WEST) 3
 NTS E07-CRP001 E07-GZK001



N MERCER WAY (EAST) 4
 NTS E07-CRP001 E07-GZK001

GENERAL NOTES

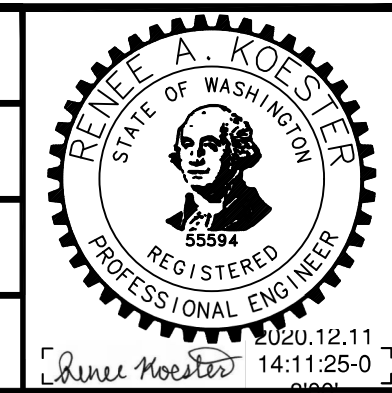
- SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR ROADWAY PLANS AND ROUNDABOUT LAYOUT.
- CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL WORK ON THE BRIDGE TOP SLAB SHALL BE DOWELED ONTO OR MOUNTED ON TOP THE EXISTING DECK.
- EXISTING MEMBRANE WATERPROOFING LAYER ON I-90 BRIDGE TOP SLAB SHALL NOT BE DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL EXCAVATE TO MEMBRANE AND REPAIR AS NEEDED.

CONSTRUCTION NOTES

- 0.83' CEMENT CONCRETE PAVEMENT. SEE DRAWING NOS. E07-LHP001 TO E07-LHP-003 FOR JOINT LAYOUT.
- 0.67' HMA CL. 1/2 IN. PG 58H-22. (THREE LIFTS)
- 0.67' PATTERNED CONCRETE, SEE DRAWING NO. E07-CRD001 FOR TRUCK APRON DETAILS.
- 0.33' PATTERNED CONCRETE, SEE DRAWING NOS. E07-CRP004 FOR SPLITTER ISLAND PLAN AND E07-CRD001 FOR CONCRETE DETAILS.
- CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03 WITHOUT SMOOTH TROWELED EDGES.
- 0.50' CSBC.
- 0.33' CSBC.
- 0.50' CSTC.
- GRAVEL BORROW, DEPTH VARIES.
- CEMENT CONCRETE TRAFFIC CURB PER DETAIL ON E07-SWD005.
- ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB MODIFIED FOR TOP BRIDGE APPROACH SLAB PER DRAWING NO. E07-SWD005. CURB DEPTH VARIES FROM FINISHED GRADE TO TOP OF BRIDGE APPROACH SLAB.
- ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD. PLAN F-10.18-01.
- PRE-CAST SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.62-02.
- MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
- GRAVITY BLOCK WALL.
- PEDESTRIAN HANDRAIL FOR FALL PROTECTION.
- PLANTING SOIL. SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPE PLAN.
- VARIED DEPTH PATTERNED CONCRETE. INSTALL CONCRETE FROM FINISHED GRADE TO TOP OF BRIDGE APPROACH SLAB/BRIDGE DECK. SEE DRAWING NO. E07-CRD001 FOR TRUCK APRON PATTERN DETAILS.
- 0.33' HMA CL. 1/2 IN. PG 58H-22. (TWO LIFTS)
- 0.50' PATTERNED CONCRETE, SEE DRAWING NOS. E07-CRP004 FOR SPLITTER ISLAND PLAN AND E07-CRD001 FOR CONCRETE DETAILS.
- CAST-IN-PLACE SLOPED MOUNTABLE CURB PER DRAWING NO. E07-SWD005.

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
 DRAWN BY:
O. AHRENSFELD
 CHECKED BY:
M. FELIBERTI
 APPROVED BY:
A. WILEN



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 Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
 FILENAME:
E135-E07-CRY001-003
 CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
 MERCER ISLAND TRANSIT INTERCHANGE**
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY
 TYPICAL SECTIONS

DRAWING No.:
E07-CRY001
 LOCATION ID:
E07
 SHEET No.:
8 OF 104
 REV:
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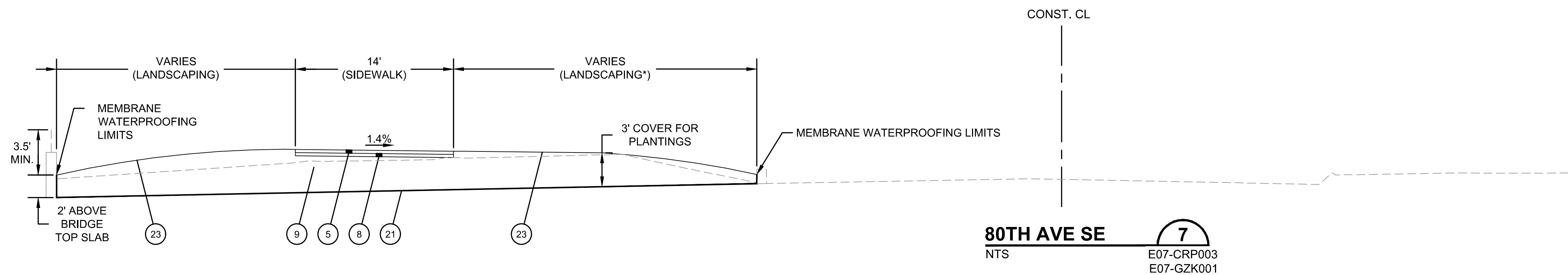
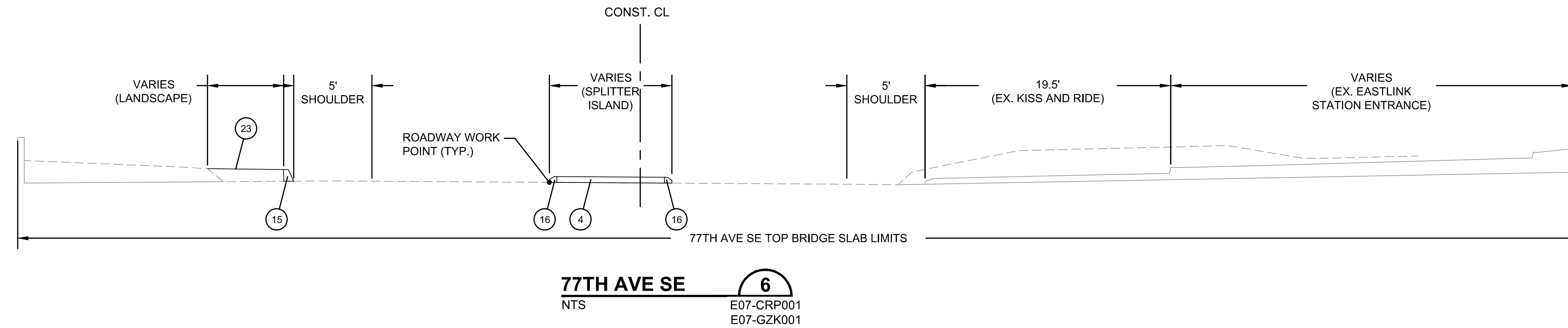
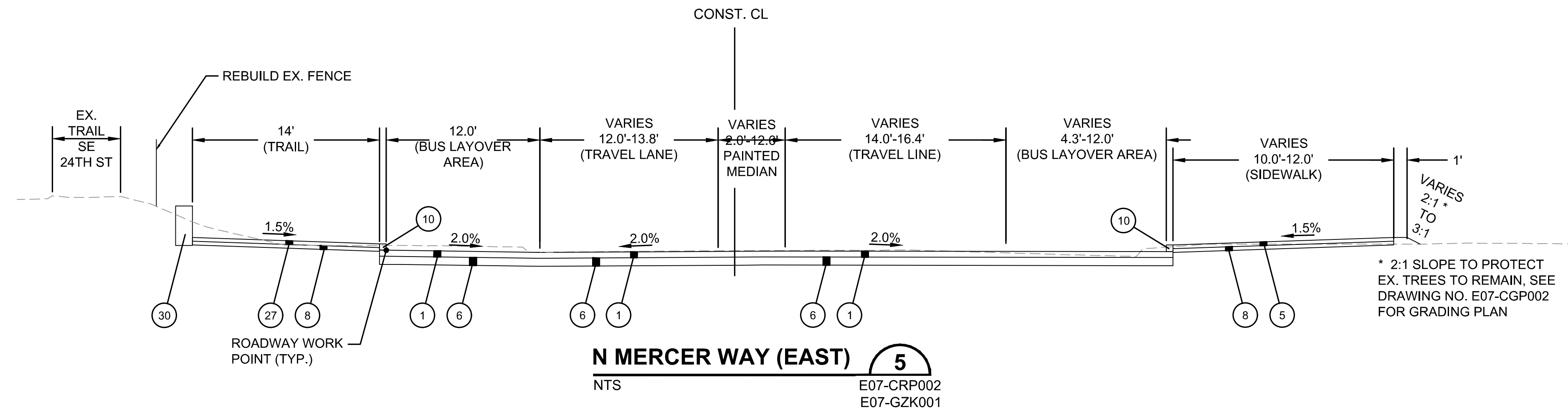
SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020



CONSTRUCTION NOTES

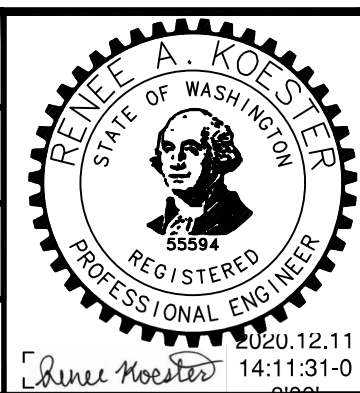
- 1 0.83' CEMENT CONCRETE PAVEMENT. SEE DRAWING NOS. E07-LHP001 TO E07-LHP-003 FOR JOINT LAYOUT.
- 4 0.33' PATTERNED CONCRETE, SEE DRAWING NOS. E07-CRP004 FOR SPLITTER ISLAND PLAN AND E07-CRD001 FOR CONCRETE DETAILS.
- 5 CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03 WITHOUT SMOOTH TROWELED EDGES.
- 6 0.50' CSBC.
- 8 0.50' CSTC.
- 9 GRAVEL BORROW, DEPTH VARIES.
- 10 CEMENT CONCRETE TRAFFIC CURB PER DETAIL ON E07-SWD005.
- 15 CEMENT CONCRETE TOP BRIDGE SLAB CURB PER PER DRAWING NO. E07-SWD005.
- 16 MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
- 21 EXISTING MEMBRANE WATERPROOFING LAYER TO REMAIN. REPAIR AS NEEDED.
- 23 PLANTING SOIL. SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPE PLAN.
- 27 0.33' HMA CL. 1/2 IN. PG 58H-22. (TWO LIFTS)
- 30 SOLDIER PILE WALL

GENERAL NOTES

- 1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR ROADWAY PLANS AND ROUNDABOUT LAYOUT.
- 2. CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL WORK ON THE BRIDGE TOP SLAB SHALL BE DOWELED ONTO OR MOUNTED ON TOP THE EXISTING DECK.
- 3. EXISTING MEMBRANE WATERPROOFING LAYER ON I-90 BRIDGE TOP SLAB SHALL NOT BE DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL EXCAVATE TO MEMBRANE AND REPAIR AS NEEDED.

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
 DRAWN BY:
O. AHRENSFELD
 CHECKED BY:
M. FELIBERTI
 APPROVED BY:
A. WILEN



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 Bellevue Washington 98007
 Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
 FILENAME:
E135-E07-CRY001-003
 CONTRACT No.:
RTA/AE 0072-19

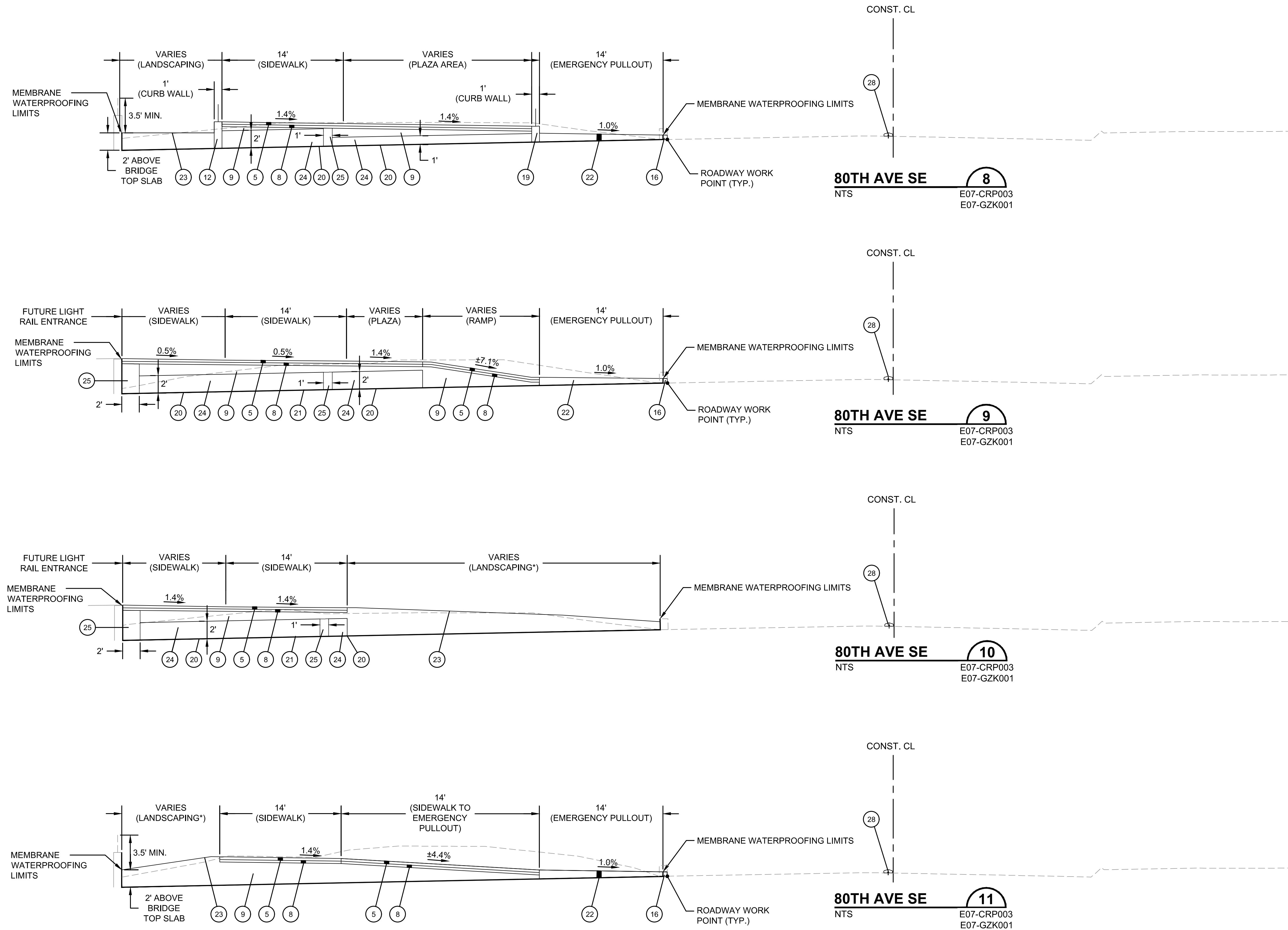
**EAST LINK EXTENSION
 MERCER ISLAND TRANSIT INTERCHANGE**
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY
 TYPICAL SECTIONS

DRAWING No.:
E07-CRY002
 LOCATION ID:
E07
 SHEET No.: 9 OF 104
 REV: 0

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SUBMITTED BY: A. WILEN DATE: 12/11/2020
 REVIEWED BY: M. LU DATE: 12/11/2020

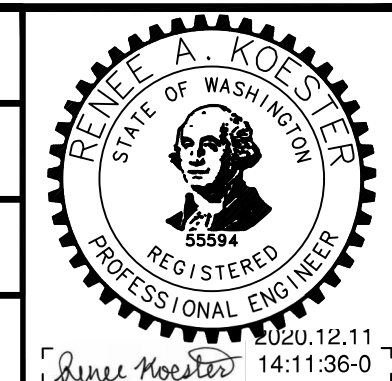


- CONSTRUCTION NOTES**
- 5 CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03 WITHOUT SMOOTH TROWELED EDGES.
 - 8 0.50' CSTC.
 - 9 GRAVEL BORROW, DEPTH VARIES.
 - 12 CURB WALL WITH CURB WITH PEDESTRIAN RAIL PER DRAWING NO. E07-SWD006.
 - 16 MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
 - 19 CURB WALL WITHOUT CURB WITH PEDESTRIAN RAIL PER DRAWING NO. E07-SWD006.
 - 20 0.17' MIN. LEVELING SAND UNDER EPS GEOFOAM PER WSDOT STD SPECIFICATION 9-03.13
 - 21 EXISTING MEMBRANE WATERPROOFING LAYER TO REMAIN. REPAIR AS NEEDED.
 - 22 0.5' CEMENT CONCRETE DRIVEWAY, SEE DRAWING NOS. E07-LHP001 TO E07-LHP-003 FOR SCORING.
 - 23 PLANTING SOIL. SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPE PLAN.
 - 24 EPS GEOFOAM LAYER. GEOFOAM TO BE PLACED IN LAYER UNDERNEATH CONCRETE SIDEWALK AND PLAZA AREA. SEE DRAWING NO. E07-CRP003 FOR EPS GEOFOAM LIMITS.
 - 25 GRAVEL BORROW FILL FOR UTILITY CORRIDOR
 - 28 PRECAST DUAL FACED SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.64-03. LOCATION SHOWN IN PLANS IS APPROXIMATE. CONTRACTOR TO LOCATE AND DOCUMENT LOCATION OF EXISTING CURB PRIOR TO DEMOLITION TO REBUILD CURB IN EXISTING LOCATION AFTER CONSTRUCTION ACTIVITIES ARE CONCLUDED.

- GENERAL NOTES**
- 1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR ROADWAY PLANS AND ROUNDABOUT LAYOUT.
 - 2. CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL WORK ON THE BRIDGE TOP SLAB SHALL BE DOWELED ONTO OR MOUNTED ON TOP THE EXISTING DECK.
 - 3. EXISTING MEMBRANE WATERPROOFING LAYER ON I-90 BRIDGE TOP SLAB SHALL NOT BE DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL EXCAVATE TO MEMBRANE AND REPAIR AS NEEDED.

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN

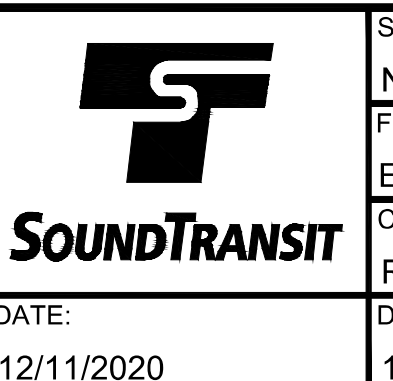


REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
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Phone: 425.519.6500
REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-CRY001-003
CONTRACT No.:
RT/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TYPICAL SECTIONS

DRAWING No.:
E07-CRY003
LOCATION ID:
E07
SHEET No.:
10 OF 104
REV:
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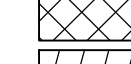


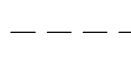



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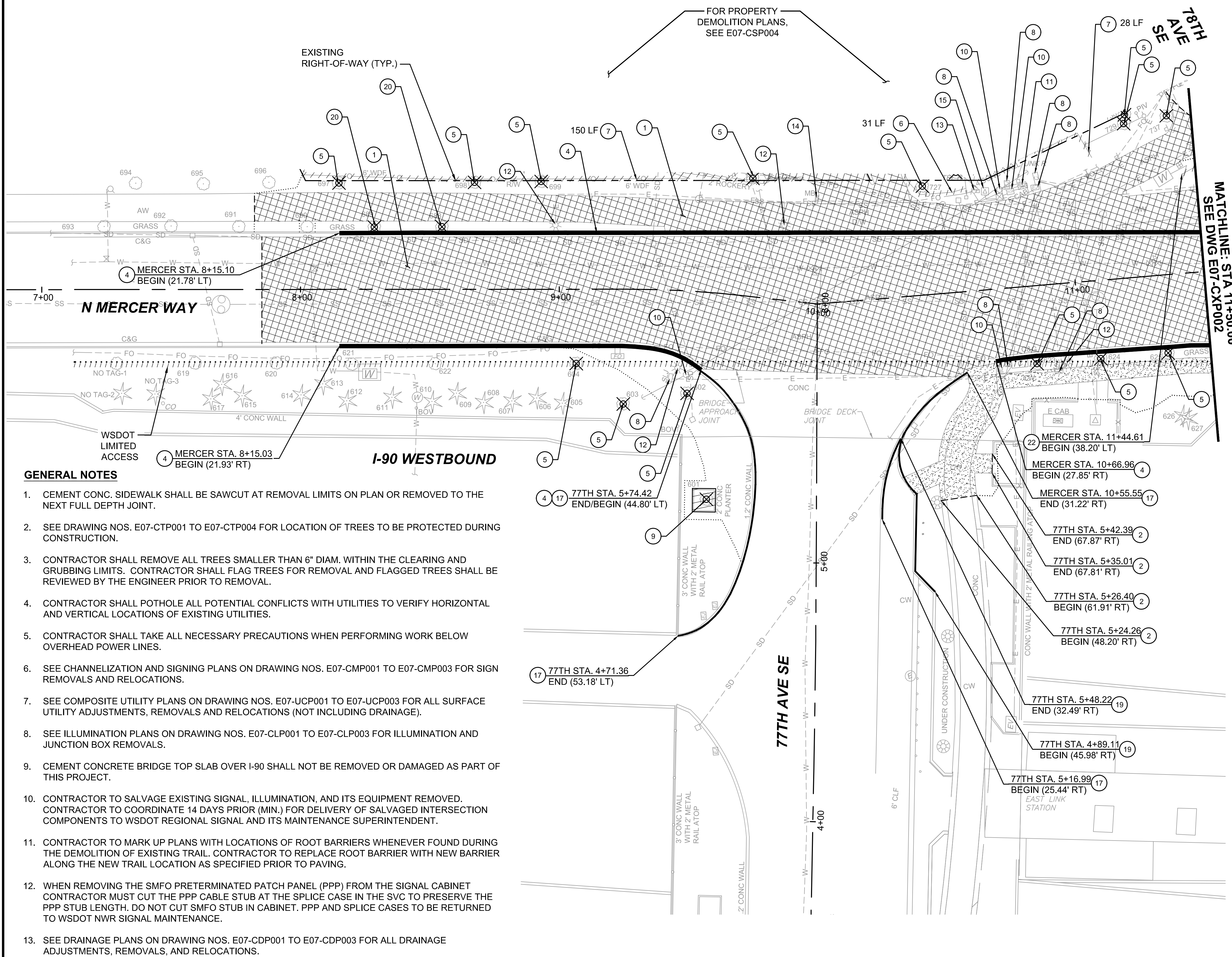
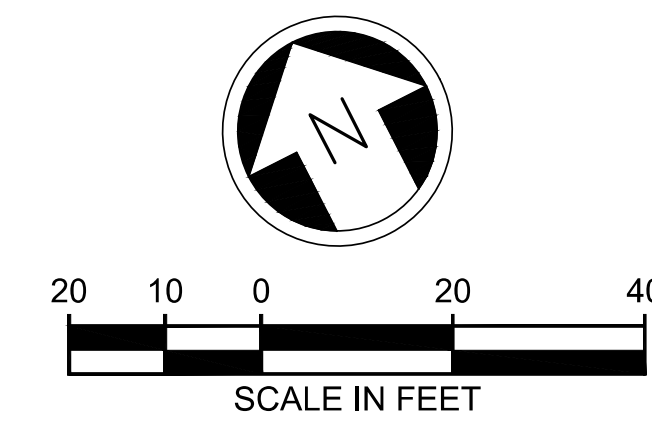
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DEMOLITION AND REMOVAL NOTES

- 1 SAWCUT AND REMOVE FULL DEPTH EXISTING HMA.
- 2 REMOVE EXISTING CEMENT CONCRETE SIDEWALK OR PAVEMENT.
- 4 REMOVE EXISTING CURB AND GUTTER.
- 5 REMOVE EXISTING TREE 6" OR GREATER IN DIAMETER.
- 6 REMOVE EXISTING PLASTIC FENCE.
- 7 REMOVE EXISTING WOOD FENCE.
- 8 REMOVE EXISTING UTILITY VAULT, VALVE, OR JUNCTION BOX.
- 9 REMOVE EXISTING CONCRETE PLANTER BOX.
- 10 REMOVE AND SALVAGE EXISTING SIGNAL POLE, PUSH BUTTON POLES, VEHICLE SIGNAL HEADS, VEHICULAR DETECTION, OPTICOM DETECTORS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, SPAN WIRE, GUY WIRES, AND DETECTION WIRING FROM THE SIGNAL POLE AND ADJACENT UNDERGROUND CONDUITS TO THE SIGNAL CABINET. REMOVE FOUNDATIONS, CONDUIT, ELBOWS, AND SWEEPS TO 18" BELOW GRADE. BACKFILL TO GRADE AS NECESSARY. RETURN ALL EQUIPMENT TO WSDOT NWR SIGNAL MAINTENANCE.
- 11 REMOVE AND SALVAGE EXISTING SIGNAL CONTROLLER CABINET, AND ELECTRICAL SERVICE CABINET. RETURN ALL EQUIPMENT TO WSDOT NWR SIGNAL MAINTENANCE. REMOVE FOUNDATIONS, CONDUIT, ELBOWS, AND SWEEPS TO 18" BELOW GRADE. BACKFILL TO GRADE AS NECESSARY.
- 12 REMOVE AND SALVAGE EXISTING ROADWAY LUMINAIRE. REMOVE AND DISPOSE OF CEMENT CONCRETE ILLUMINATION FOUNDATION, CONDUCTORS, AND ELBOWS/BENDS, COMPLETELY. BACKFILL TO GRADE AS NECESSARY. CONDUIT TO BE ABANDONED IN PLACE. COORDINATE WITH CITY OF MERCER ISLAND FOR DELIVERY OF SALVAGED POLES.
- 13 REMOVE EXISTING UTILITY POLE, COORDINATE WITH PSE FOR REMOVAL.
- 14 REMOVE EXISTING MAILBOX, POST, AND FOUNDATION. BACKFILL TO GRADE AS NECESSARY.
- 15 REMOVE TRANSFORMER AND POWER FEED. AFTER CONTRACTOR REMOVES EXISTING SPAN WIRE SIGNALS DURING PHASE 1 CONSTRUCTION, PSE TO REMOVE DIRECT POWER FEED FROM SERVICE CABINET TO POINT OF SERVICE. CONTRACTOR TO COORDINATE WITH PSE NO LESS THAN 60 DAYS PRIOR TO REMOVAL.
- 17 REMOVE EXISTING CURB AND ANY EPOXY OR DOWELING USED TO SECURE CURBING TO EXISTING TOP BRIDGE SLAB.
- 19 REMOVE EXISTING CURB WALL AND ANY EPOXY OR DOWELING USED TO SECURE CURB WALL TO EXISTING TOP BRIDGE SLAB.
- 20 REMOVE AND SALVAGE EXISTING TREE. RETURN TO THE CITY OF MERCER ISLAND.
- 22 REMOVE AND SALVAGE EXISTING FENCE MATERIALS TO REBUILD IN NEW LOCATION. SEE DRAWING NOS. E07-CRP001 TO E07-CRP002 FOR NEW FENCE LOCATION.

LEGEND

-  CEMENT CONCRETE REMOVAL AREA
-  ASPHALT REMOVAL AREA
-  OBJECT REMOVAL
-  CLEARING AND GRUBBING
-  TREE REMOVAL
-  SAWCUT
-  CEMENT CONCRETE CURB & GUTTER REMOVAL
-  EXTRUDED CURB REMOVAL

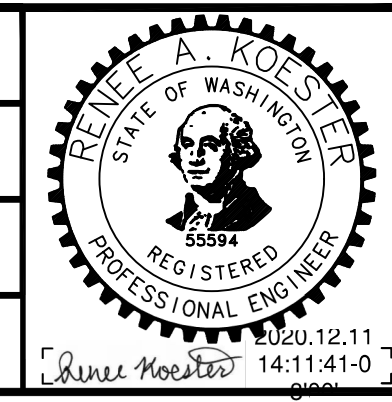


GENERAL NOTES

1. CEMENT CONC. SIDEWALK SHALL BE SAWCUT AT REMOVAL LIMITS ON PLAN OR REMOVED TO THE NEXT FULL DEPTH JOINT.
2. SEE DRAWING NOS. E07-CTP001 TO E07-CTP004 FOR LOCATION OF TREES TO BE PROTECTED DURING CONSTRUCTION.
3. CONTRACTOR SHALL REMOVE ALL TREES SMALLER THAN 6" DIAM. WITHIN THE CLEARING AND GRUBBING LIMITS. CONTRACTOR SHALL FLAG TREES FOR REMOVAL AND FLAGGED TREES SHALL BE REVIEWED BY THE ENGINEER PRIOR TO REMOVAL.
4. CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PERFORMING WORK BELOW OVERHEAD POWER LINES.
6. SEE CHANNELIZATION AND SIGNING PLANS ON DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR SIGN REMOVALS AND RELOCATIONS.
7. SEE COMPOSITE UTILITY PLANS ON DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR ALL SURFACE UTILITY ADJUSTMENTS, REMOVALS AND RELOCATIONS (NOT INCLUDING DRAINAGE).
8. SEE ILLUMINATION PLANS ON DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION AND JUNCTION BOX REMOVALS.
9. CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT.
10. CONTRACTOR TO SALVAGE EXISTING SIGNAL, ILLUMINATION, AND ITS EQUIPMENT REMOVED. CONTRACTOR TO COORDINATE 14 DAYS PRIOR (MIN.) FOR DELIVERY OF SALVAGED INTERSECTION COMPONENTS TO WSDOT REGIONAL SIGNAL AND ITS MAINTENANCE SUPERINTENDENT.
11. CONTRACTOR TO MARK UP PLANS WITH LOCATIONS OF ROOT BARRIERS WHENEVER FOUND DURING THE DEMOLITION OF EXISTING TRAIL. CONTRACTOR TO REPLACE ROOT BARRIER WITH NEW BARRIER ALONG THE NEW TRAIL LOCATION AS SPECIFIED PRIOR TO PAVING.
12. WHEN REMOVING THE SMFO PRETERMINATED PATCH PANEL (PPP) FROM THE SIGNAL CABINET CONTRACTOR MUST CUT THE PPP CABLE STUB AT THE SPLICE CASE IN THE SVC TO PRESERVE THE PPP STUB LENGTH. DO NOT CUT SMFO STUB IN CABINET. PPP AND SPLICE CASES TO BE RETURNED TO WSDOT NWR SIGNAL MAINTENANCE.
13. SEE DRAINAGE PLANS ON DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR ALL DRAINAGE ADJUSTMENTS, REMOVALS, AND RELOCATIONS.

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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SCALE:
1" = 20'
FILENAME:
E135-E07-CXP001-004
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DEMOLITION AND REMOVAL PLAN

DRAWING No.:
E07-CXP001
LOCATION ID:
E07
SHEET No.:
11 OF 104
REV:
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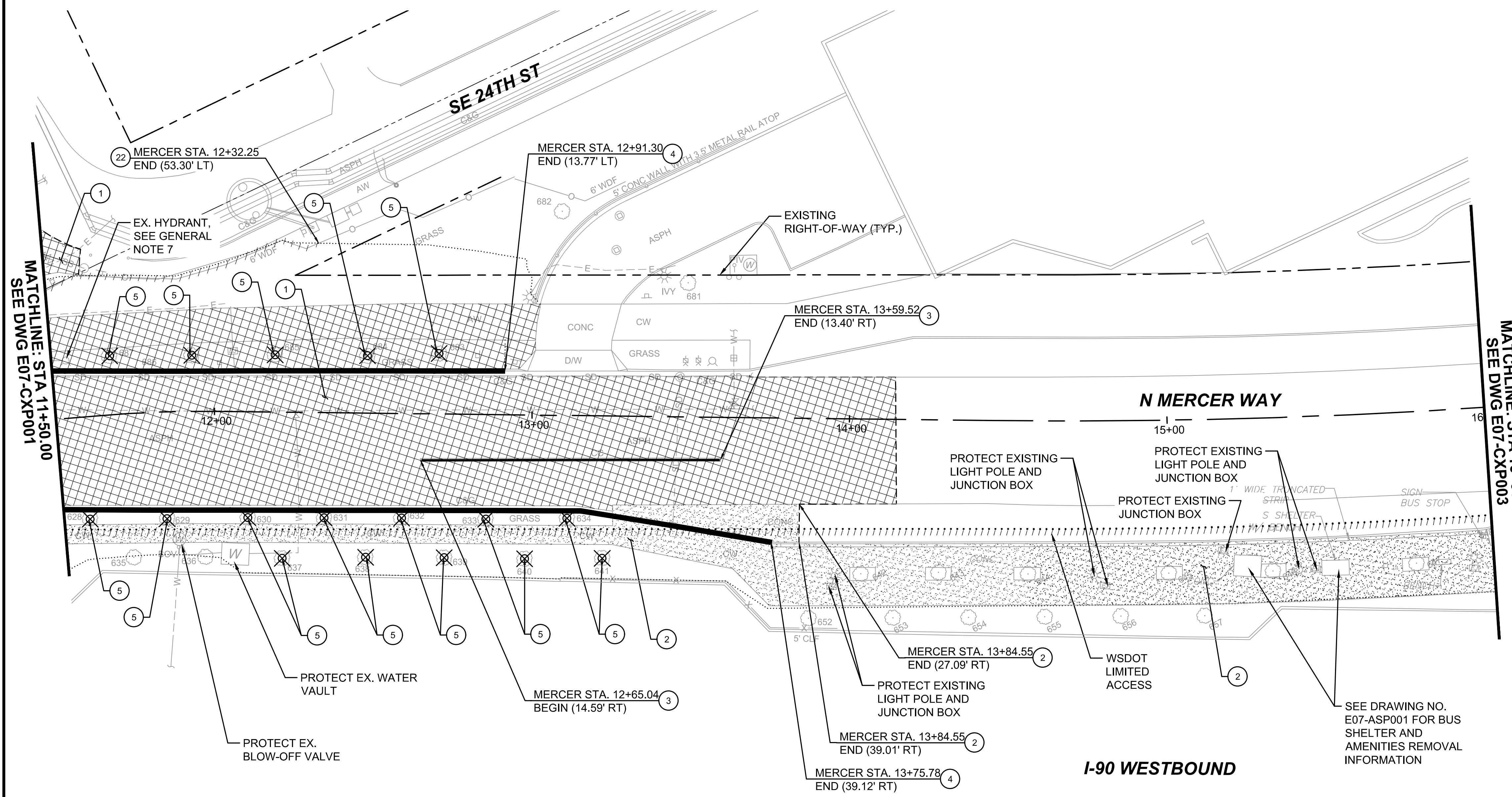
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| SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
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DEMOLITION AND REMOVAL NOTES

- ① SAWCUT AND REMOVE FULL DEPTH EXISTING HMA.
- ② REMOVE EXISTING CEMENT CONCRETE SIDEWALK OR PAVEMENT.
- ③ REMOVE EXISTING CURB.
- ④ REMOVE EXISTING CURB AND GUTTER.
- ⑤ REMOVE EXISTING TREE 6" OR GREATER IN DIAMETER.
- ②② REMOVE AND SALVAGE EXISTING FENCE MATERIALS TO REBUILD IN NEW LOCATION. SEE DRAWING NOS. E07-CRP001 TO E07-CRP002 FOR NEW FENCE LOCATION.

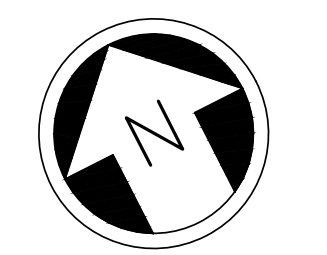
LEGEND

- CEMENT CONCRETE REMOVAL AREA
- ASPHALT REMOVAL AREA
- OBJECT REMOVAL
- CLEARING AND GRUBBING
- TREE REMOVAL
- SAWCUT
- CEMENT CONCRETE CURB & GUTTER REMOVAL
- EXTRUDED CURB REMOVAL



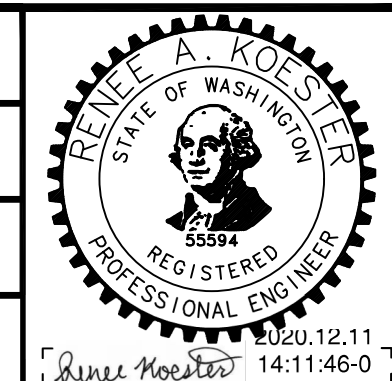
GENERAL NOTES

1. CEMENT CONC. SIDEWALK SHALL BE SAWCUT AT REMOVAL LIMITS ON PLAN OR REMOVED TO THE NEXT FULL DEPTH JOINT.
2. SEE DRAWING NOS. E07-CTP001 TO E07-CTP004 FOR LOCATION OF TREES TO BE PROTECTED DURING CONSTRUCTION.
3. CONTRACTOR SHALL REMOVE ALL TREES SMALLER THAN 6" DIAM. WITHIN THE CLEARING AND GRUBBING LIMITS. CONTRACTOR SHALL FLAG TREES FOR REMOVAL AND FLAGGED TREES SHALL BE REVIEWED BY THE ENGINEER PRIOR TO REMOVAL.
4. CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PERFORMING WORK BELOW OVERHEAD POWER LINES.
6. SEE CHANNELIZATION AND SIGNING PLANS ON DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR SIGN REMOVALS AND RELOCATIONS.
7. SEE COMPOSITE UTILITY PLANS ON DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR ALL SURFACE UTILITY ADJUSTMENTS, REMOVALS AND RELOCATIONS (NOT INCLUDING DRAINAGE).
8. SEE ILLUMINATION PLANS ON DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION AND JUNCTION BOX REMOVALS.
9. CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT.
10. CONTRACTOR TO SALVAGE EXISTING SIGNAL, ILLUMINATION, AND ITS EQUIPMENT REMOVED. CONTRACTOR TO COORDINATE 14 DAYS PRIOR (MIN.) FOR DELIVERY OF SALVAGED INTERSECTION COMPONENTS TO WSDOT REGIONAL SIGNAL AND ITS MAINTENANCE SUPERINTENDENT.
11. CONTRACTOR TO MARK UP PLANS WITH LOCATIONS OF ROOT BARRIERS WHENEVER FOUND DURING THE DEMOLITION OF EXISTING TRAIL. CONTRACTOR TO REPLACE ROOT BARRIER WITH NEW BARRIER ALONG THE NEW TRAIL LOCATION AS SPECIFIED PRIOR TO PAVING.
12. WHEN REMOVING THE SMFO PRETERMINATED PATCH PANEL (PPP) FROM THE SIGNAL CABINET CONTRACTOR MUST CUT THE PPP CABLE STUB AT THE SPLICE CASE IN THE SVC TO PRESERVE THE PPP STUB LENGTH. DO NOT CUT SMFO STUB IN CABINET. PPP AND SPLICE CASES TO BE RETURNED TO WSDOT NWR SIGNAL MAINTENANCE.
13. SEE DRAINAGE PLANS ON DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR ALL DRAINAGE ADJUSTMENTS, REMOVALS, AND RELOCATIONS.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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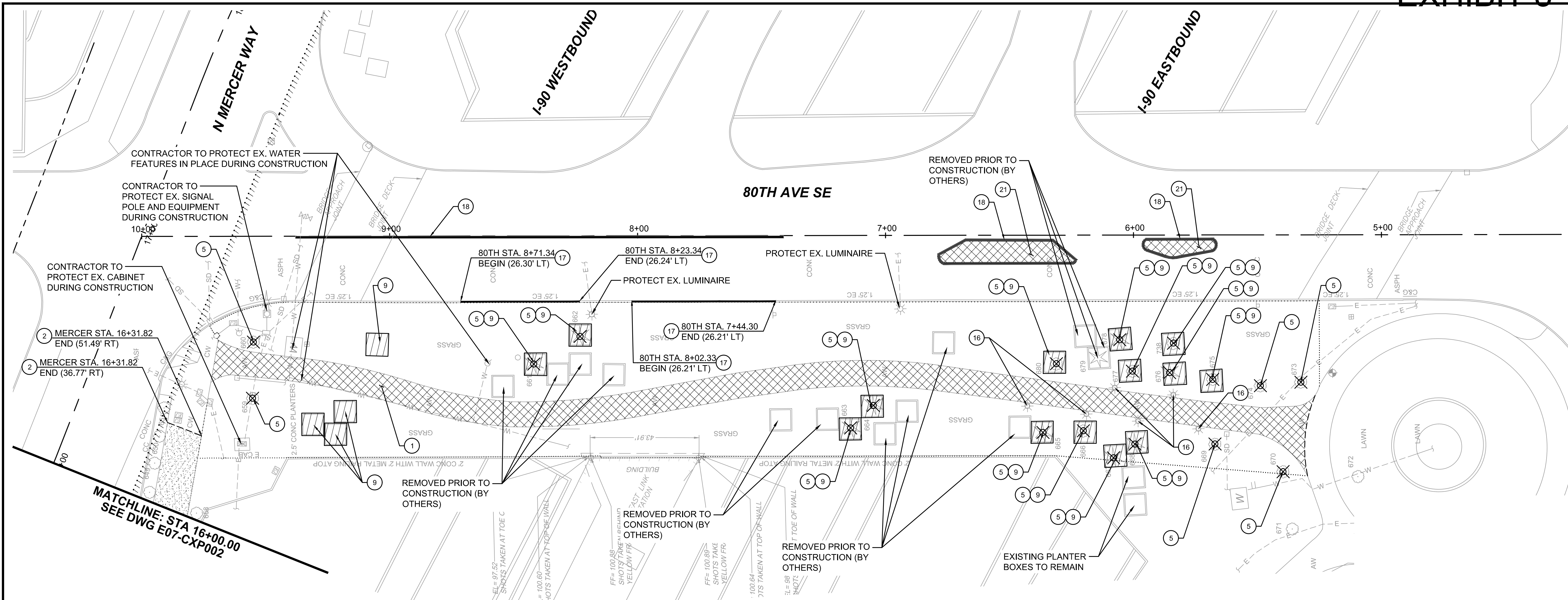
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SCALE:
1" = 20'
FILENAME:
E135-E07-CXP001-004
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DEMOLITION AND REMOVAL PLAN

DRAWING No.:
E07-CXP002
LOCATION ID:
E07
SHEET No.:
12 OF 104
REV:
0



DEMOLITION AND REMOVAL NOTES

- 1 SAWCUT AND REMOVE FULL DEPTH EXISTING HMA.
- 2 REMOVE EXISTING CEMENT CONCRETE SIDEWALK OR PAVEMENT.
- 3 REMOVE EXISTING CURB.
- 5 REMOVE EXISTING TREE 6" OR GREATER IN DIAMETER.
- 9 REMOVE EXISTING CONCRETE PLANTER BOX.
- 16 REMOVE EXISTING ILLUMINATED BOLLARD AND FOUNDATION. BACKFILL TO GRADE AS NECESSARY.
- 17 REMOVE EXISTING CURB AND ANY EPOXY OR DOWELING USED TO SECURE CURBING TO EXISTING TOP BRIDGE SLAB.
- 18 REMOVE EXISTING PRECAST DUAL FACED SLOPED MOUNTABLE CURB AND ANY EPOXY OR DOWELING USED TO SECURE IT TO EXISTING BRIDGE TOP SLAB. CONTRACTOR TO LOCATE AND DOCUMENT LOCATION OF EXISTING CURB PRIOR TO DEMOLITION TO REBUILD CURB IN EXISTING LOCATION AFTER CONSTRUCTION ACTIVITIES ARE CONCLUDED. SEE CONSTRUCTION SEQUENCING PLANS AND TRAFFIC CONTROL PLANS FOR TEMPORARY STRIPING INSTALLATION DURING CONSTRUCTION.
- 21 REMOVE EXISTING HMA WITHIN CURB ISLANDS TO TOP OF BRIDGE DECK. ANY EPOXY OR DOWELING USED TO SECURE HMA TO BRIDGE TOP SLAB OR TO ADJACENT CURBING SHALL BE REMOVED INCIDENTAL TO HMA REMOVAL.

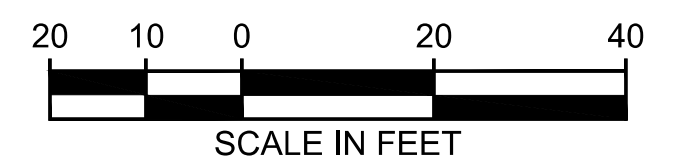
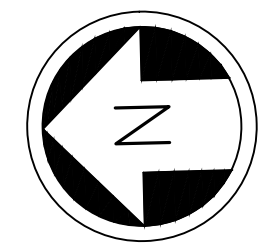
GENERAL NOTES

- 1. CEMENT CONC. SIDEWALK SHALL BE SAWCUT AT REMOVAL LIMITS ON PLAN OR REMOVED TO THE NEXT FULL DEPTH JOINT.
- 2. SEE DRAWING NOS. E07-CTP001 TO E07-CTP004 FOR LOCATION OF TREES TO BE PROTECTED DURING CONSTRUCTION.
- 3. CONTRACTOR SHALL REMOVE ALL TREES SMALLER THAN 6" DIAM. WITHIN THE CLEARING AND GRUBBING LIMITS. CONTRACTOR SHALL FLAG TREES FOR REMOVAL AND FLAGGED TREES SHALL BE REVIEWED BY THE ENGINEER PRIOR TO REMOVAL.
- 4. CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
- 5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PERFORMING WORK BELOW OVERHEAD POWER LINES.
- 6. SEE CHANNELIZATION AND SIGNING PLANS ON DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR SIGN REMOVALS AND RELOCATIONS.
- 7. SEE COMPOSITE UTILITY PLANS ON DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR ALL SURFACE UTILITY ADJUSTMENTS, REMOVALS AND RELOCATIONS (NOT INCLUDING DRAINAGE).
- 8. SEE ILLUMINATION PLANS ON DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION AND JUNCTION BOX REMOVALS.
- 9. CEMENT CONCRETE BRIDGE TOP SLAB OVER I-90 SHALL NOT BE REMOVED OR DAMAGED AS PART OF THIS PROJECT.

- 10. CONTRACTOR TO SALVAGE EXISTING SIGNAL, ILLUMINATION, AND ITS EQUIPMENT REMOVED. CONTRACTOR TO COORDINATE 14 DAYS PRIOR (MIN.) FOR DELIVERY OF SALVAGED INTERSECTION COMPONENTS TO WSDOT REGIONAL SIGNAL AND ITS MAINTENANCE SUPERINTENDENT.
- 11. CONTRACTOR TO MARK UP PLANS WITH LOCATIONS OF ROOT BARRIERS WHENEVER FOUND DURING THE DEMOLITION OF EXISTING TRAIL. CONTRACTOR TO REPLACE ROOT BARRIER WITH NEW BARRIER ALONG THE NEW TRAIL LOCATION AS SPECIFIED PRIOR TO PAVING.
- 12. WHEN REMOVING THE SMFO PRETERMINATED PATCH PANEL (PPP) FROM THE SIGNAL CABINET CONTRACTOR MUST CUT THE PPP CABLE STUB AT THE SPLICE CASE IN THE SVC TO PRESERVE THE PPP STUB LENGTH. DO NOT CUT SMFO STUB IN CABINET. PPP AND SPLICE CASES TO BE RETURNED TO WSDOT NWR SIGNAL MAINTENANCE.
- 13. SEE DRAINAGE PLANS ON DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR ALL DRAINAGE ADJUSTMENTS, REMOVALS, AND RELOCATIONS.

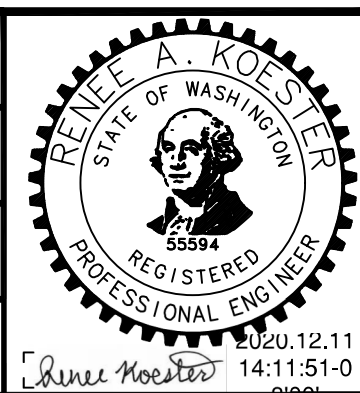
LEGEND

- CEMENT CONCRETE REMOVAL AREA
- ASPHALT REMOVAL AREA
- OBJECT REMOVAL
- CLEARING AND GRUBBING
- TREE REMOVAL
- SAWCUT
- CEMENT CONCRETE CURB & GUTTER REMOVAL
- EXTRUDED CURB REMOVAL



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
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LINE IS 1" AT FULL SCALE

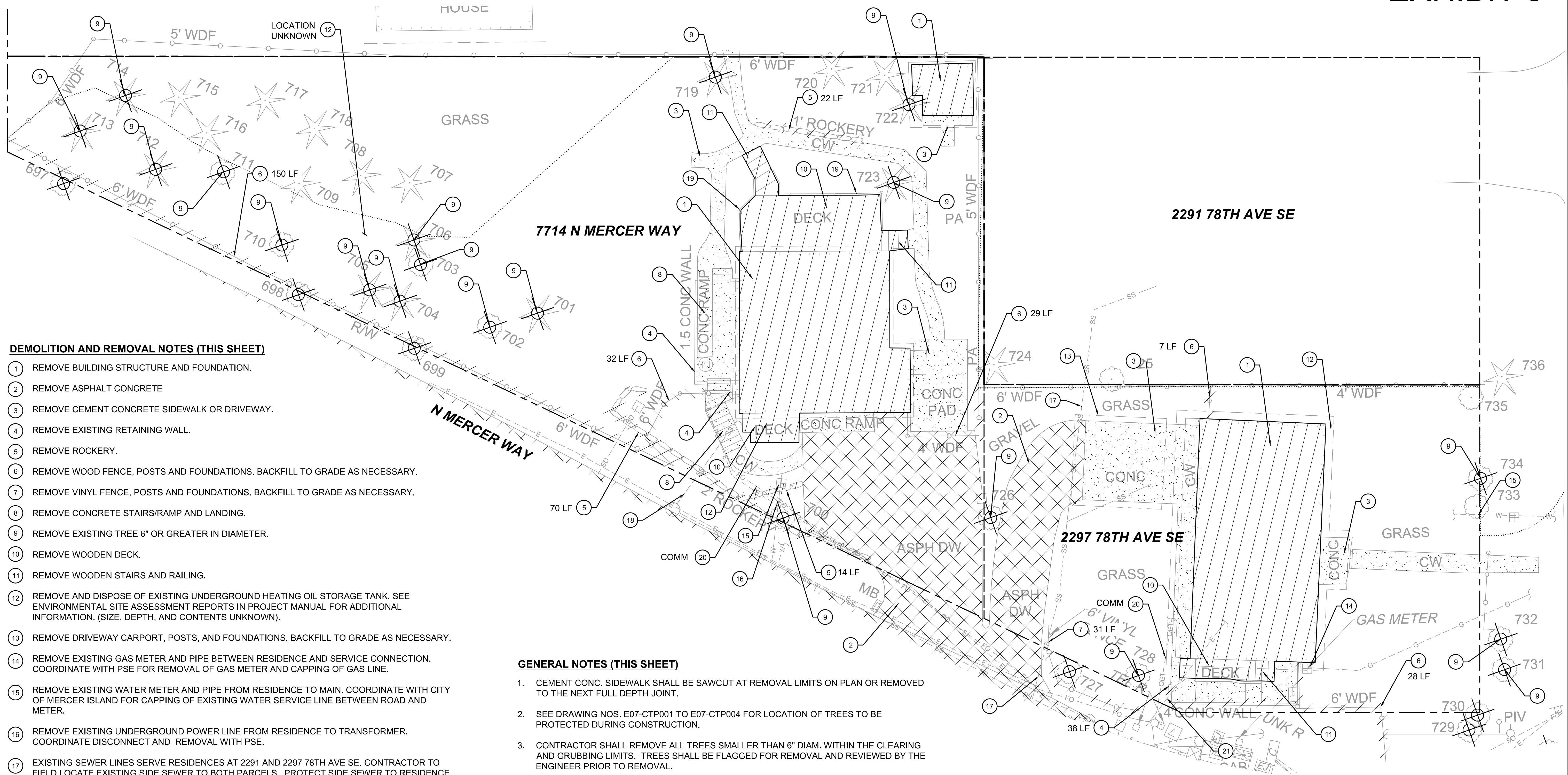


SCALE:
1" = 20'
FILENAME:
E135-E07-CXP001-004
CONTRACT No.:
RTA/AE 0072-19

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DEMOLITION AND REMOVAL PLAN

DRAWING No.: **E07-CXP003**
LOCATION ID: **E07**
SHEET No.: **13 OF 104** REV: **0**

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DEMOLITION AND REMOVAL NOTES (THIS SHEET)

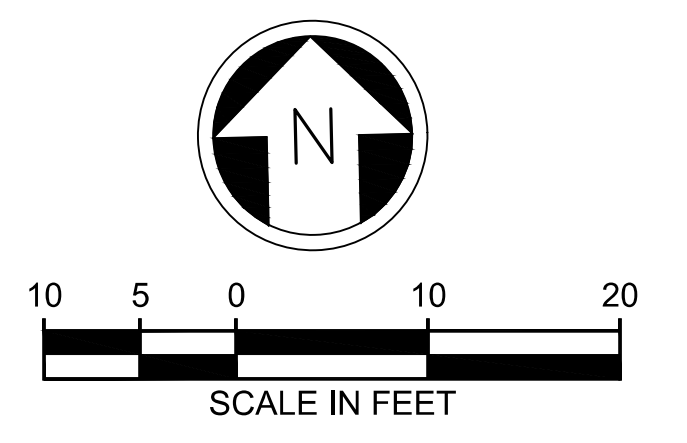
- 1 REMOVE BUILDING STRUCTURE AND FOUNDATION.
- 2 REMOVE ASPHALT CONCRETE
- 3 REMOVE CEMENT CONCRETE SIDEWALK OR DRIVEWAY.
- 4 REMOVE EXISTING RETAINING WALL.
- 5 REMOVE ROCKERY.
- 6 REMOVE WOOD FENCE, POSTS AND FOUNDATIONS. BACKFILL TO GRADE AS NECESSARY.
- 7 REMOVE VINYL FENCE, POSTS AND FOUNDATIONS. BACKFILL TO GRADE AS NECESSARY.
- 8 REMOVE CONCRETE STAIRS/RAMP AND LANDING.
- 9 REMOVE EXISTING TREE 6" OR GREATER IN DIAMETER.
- 10 REMOVE WOODEN DECK.
- 11 REMOVE WOODEN STAIRS AND RAILING.
- 12 REMOVE AND DISPOSE OF EXISTING UNDERGROUND HEATING OIL STORAGE TANK. SEE ENVIRONMENTAL SITE ASSESSMENT REPORTS IN PROJECT MANUAL FOR ADDITIONAL INFORMATION. (SIZE, DEPTH, AND CONTENTS UNKNOWN).
- 13 REMOVE DRIVEWAY CARPORT, POSTS, AND FOUNDATIONS. BACKFILL TO GRADE AS NECESSARY.
- 14 REMOVE EXISTING GAS METER AND PIPE BETWEEN RESIDENCE AND SERVICE CONNECTION. COORDINATE WITH PSE FOR REMOVAL OF GAS METER AND CAPPING OF GAS LINE.
- 15 REMOVE EXISTING WATER METER AND PIPE FROM RESIDENCE TO MAIN. COORDINATE WITH CITY OF MERCER ISLAND FOR CAPPING OF EXISTING WATER SERVICE LINE BETWEEN ROAD AND METER.
- 16 REMOVE EXISTING UNDERGROUND POWER LINE FROM RESIDENCE TO TRANSFORMER. COORDINATE DISCONNECT AND REMOVAL WITH PSE.
- 17 EXISTING SEWER LINES SERVE RESIDENCES AT 2291 AND 2297 78TH AVE SE. CONTRACTOR TO FIELD LOCATE EXISTING SIDE SEWER TO BOTH PARCELS. PROTECT SIDE SEWER TO RESIDENCE AT 2291 78TH AVE SE DURING ALL CONSTRUCTION ACTIVITIES. REMOVE EXISTING SANITARY SEWER PIPE FROM RESIDENCE AT 2297 78TH AVE SE AND CAP PIPE AT WYE PER CITY OF MERCER ISLAND STD. PLAN S-22. COORDINATE DISCONNECTION WITH THE CITY OF MERCER ISLAND.
- 18 REMOVE EXISTING SANITARY SEWER PIPE FROM RESIDENCE TO MANHOLE STRUCTURE PER CITY OF MERCER ISLAND STD. PLAN S-22. COORDINATE DISCONNECTION WITH CITY OF MERCER ISLAND.
- 19 REMOVE DECK HANDRAIL.
- 20 REMOVE EXISTING COMMUNICATION SERVICES TO RESIDENCE. COORDINATE DISCONNECT AND REMOVAL WITH FRANCHISE UTILITY AGENCIES.
- 21 REMOVE EXISTING OVERHEAD POWER LINE FROM RESIDENCE TO UTILITY POLE. COORDINATE DISCONNECT AND REMOVAL WITH PSE.

GENERAL NOTES (THIS SHEET)

- 1. CEMENT CONC. SIDEWALK SHALL BE SAWCUT AT REMOVAL LIMITS ON PLAN OR REMOVED TO THE NEXT FULL DEPTH JOINT.
- 2. SEE DRAWING NOS. E07-CTP001 TO E07-CTP004 FOR LOCATION OF TREES TO BE PROTECTED DURING CONSTRUCTION.
- 3. CONTRACTOR SHALL REMOVE ALL TREES SMALLER THAN 6" DIAM. WITHIN THE CLEARING AND GRUBBING LIMITS. TREES SHALL BE FLAGGED FOR REMOVAL AND REVIEWED BY THE ENGINEER PRIOR TO REMOVAL.
- 4. CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
- 5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PERFORMING WORK BELOW OVERHEAD POWER LINES.
- 6. SEE COMPOSITE UTILITY PLANS ON DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR ALL SURFACE UTILITY ADJUSTMENTS, REMOVALS AND RELOCATIONS.
- 7. SEE DRAINAGE PLANS ON DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR ALL DRAINAGE ADJUSTMENTS, REMOVALS AND RELOCATIONS.
- 8. SEE ILLUMINATION PLANS ON DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION AND JUNCTION BOX REMOVALS.

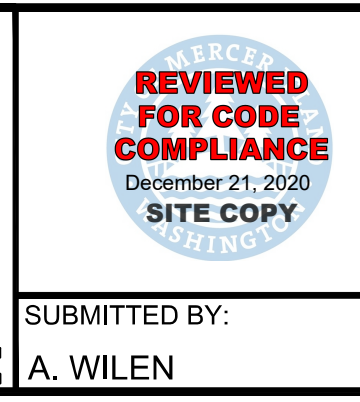
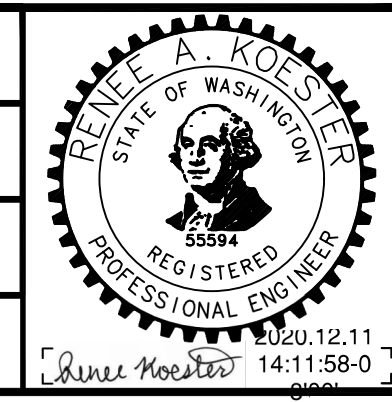
LEGEND

- CEMENT CONCRETE REMOVAL AREA
- ASPHALT REMOVAL AREA
- OBJECT REMOVAL
- CLEARING AND GRUBBING
- TREE REMOVAL



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
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M. FELIBERTI
APPROVED BY:
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SCALE:
1" = 10'
FILENAME:
E135-E07-CXP001-004
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
PROPERTY DEMOLITION PLAN

DRAWING No.:
E07-CXP004
LOCATION ID:
E07
SHEET No.:
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GENERAL NOTES

1. CONSTRUCTION SEQUENCE TO BE APPROVED:
 - A. CONDUCT PRE-CONSTRUCTION MEETING.
 - B. FLAG OR FENCE CLEARING LIMITS.
 - C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
 - D. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
 - E. INSTALL PERIMETER PROTECTION, SILT FENCE, BRUSH BARRIER, ETC.
 - F. MAINTAIN TESC MEASURES IN ACCORDANCE WITH WSDOT STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
 - G. RELOCATE TESC MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE TESC IS ALWAYS IN ACCORDANCE WITH WSDOT TESC MINIMUM REQUIREMENTS.
 - H. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
 - I. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
 - J. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
2. APPROVAL OF THIS TESC PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN, FOR EXAMPLE, SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.
3. THE LOCATION AND USE OF TESC BMP'S IS FOR REFERENCE ONLY. THE IMPLEMENTATION OF THIS TESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
4. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
5. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED, FOR EXAMPLE, ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC., AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE TESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITIES OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
6. THE TESC FACILITIES TO BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER GENERAL PERMIT AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY EROSION CONTROLS TO BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED. PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS TO BE KEPT DOCUMENTING THE REVIEWS OF THE TESC FACILITIES.
7. THE TESC FACILITIES ON INACTIVE SITES TO BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
8. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD, FOR EXAMPLE, SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK, WITH THE FOLLOW TIMELINES:
 - MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
 - OCTOBER 1 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.
 - STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
9. MORE THAN 6" OF SEDIMENT SHOULD NOT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES TO BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION CAN NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
10. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES TO BE APPLIED AT AN APPROPRIATE RATE, FOR EXAMPLE, ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE.
11. THE TESC FACILITIES TO BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER.
12. A COPY OF THE TESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
13. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET WILL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES TO LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
14. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, WILL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE ENGINEER TO BE PROTECTED WITH A 'FILTER FABRIC SOCK' OR EQUIVALENT.
15. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT IS TO BE REPAIRED IMMEDIATELY.
16. ALL PROPERTIES ADJACENT TO THE PROJECT SITE TO BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
17. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED IN THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
18. PRIOR TO OCTOBER 1 OF EACH YEAR, AT THE BEGINNING OF THE WET SEASON, ALL DISTURBED AREAS TO BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA TO BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED WILL BE SUBMITTED TO THE ENGINEER. THE ENGINEER CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
19. DURING THE WET SEASON, OCTOBER 1 - APRIL 30, STOCK PILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS.
20. DURING THE WET SEASON, OCTOBER 1 - APRIL 30, COVER MATERIAL SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE.
21. DURING THE WET SEASON, OCTOBER 1 - APRIL 30, FIFTY LINEAR FEET OF SILT FENCE PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE.
22. DURING THE WET SEASON, OCTOBER 1 - APRIL 30, THE FREQUENCY OF MAINTENANCE REVIEW SHALL INCREASE FROM MONTHLY TO WEEKLY.
23. CONTRACTOR SHALL PROTECT EXISTING CEMENT CONCRETE LID. ALL WORK IN LID SHALL BE ON TOP OF EXISTING LID.

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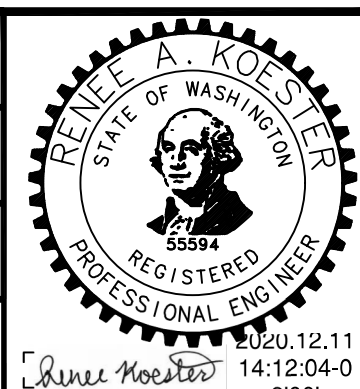
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY EROSION SEDIMENT CONTROL NOTES

DRAWING No.:
E07-CTN001

LOCATION ID:
E07

SHEET No.: **15 OF 104** REV: **0**

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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020





REVIEWED BY:
M. LU

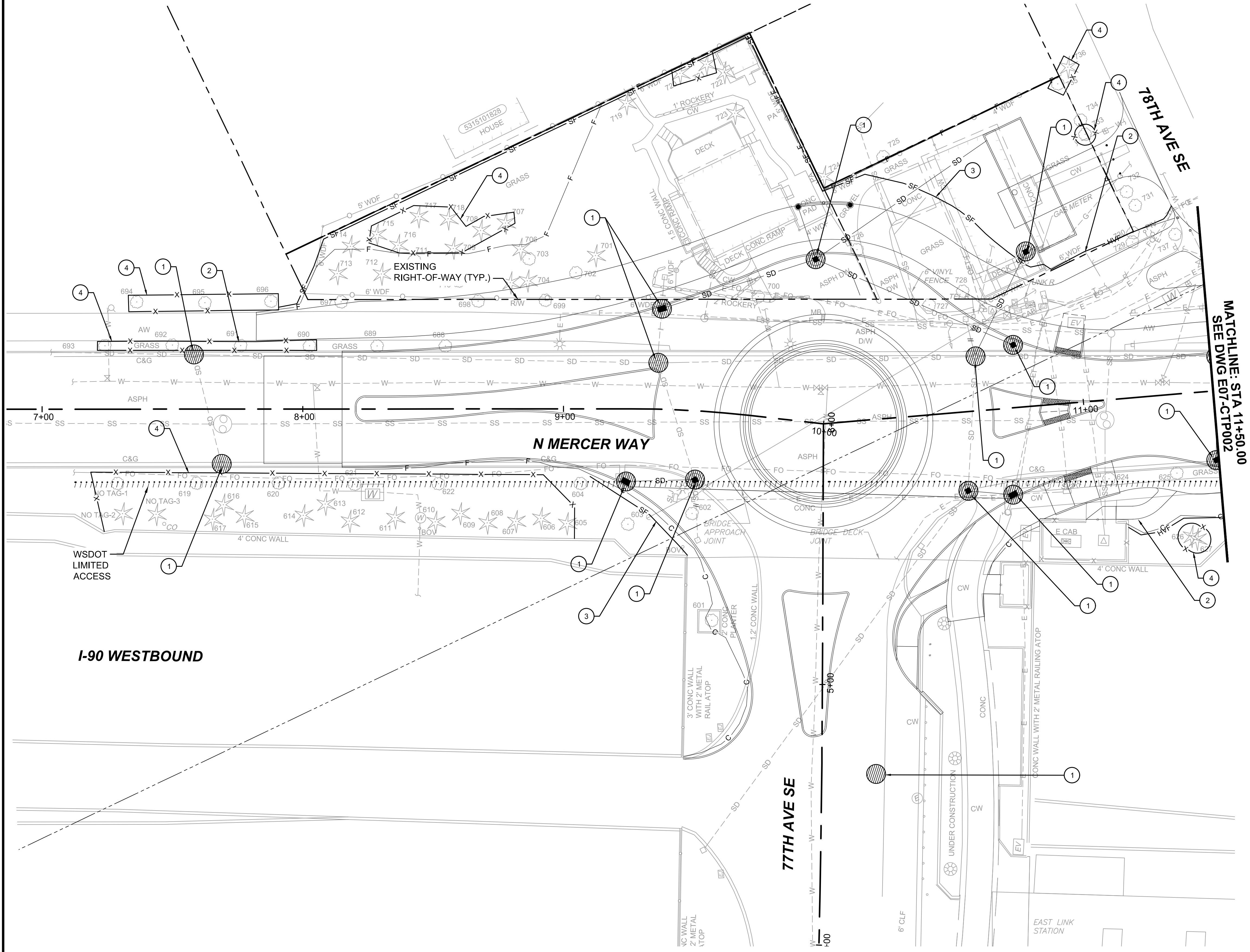
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T.E.S.C. NOTES

- ① INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00.
- ② INSTALL HI-VISIBILITY FENCE PER WSDOT STD. PLAN I-10.10-01.
- ③ INSTALL SILT FENCE PER WSDOT STD. PLAN I-30.15-02.
- ④ INSTALL TREE PROTECTION FENCING, SEE DETAIL 1, DRAWING NO. E07-CTD001.

LEGEND

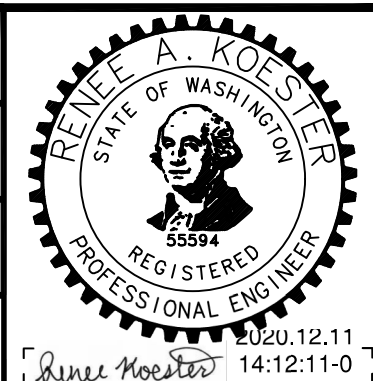
-  INLET PROTECTION
-  HIGH VISIBILITY FENCE
-  SILT FENCE
-  TREE PROTECTION FENCE



MATCHLINE: STA 11+50.00
SEE DWG E07-CTP002

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CONTRACT No.:
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12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY EROSION SEDIMENT CONTROL PLAN

DRAWING No.:
E07-CTP001
LOCATION ID:
E07
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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020

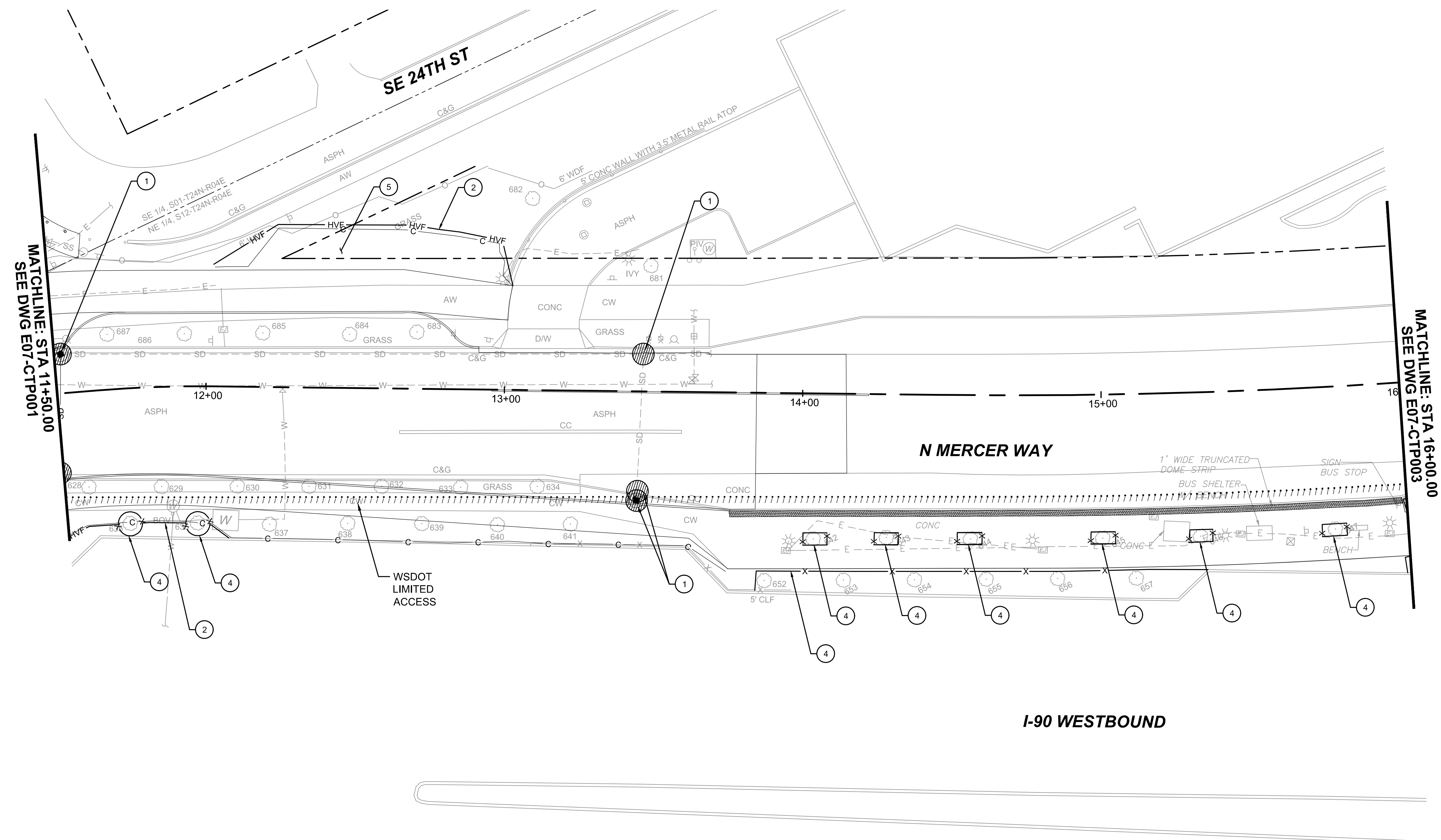
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T.E.S.C. NOTES

- ① INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00.
- ② INSTALL HI-VISIBILITY FENCE PER WSDOT STD. PLAN I-10.10-01.
- ④ INSTALL TREE PROTECTION FENCING, SEE DETAIL 1, DRAWING NO. E07-CTD001.
- ⑤ CONTRACTOR TO COVER EXPOSED SOILS WITH MULCH OR PLASTIC COVERING DURING CONSTRUCTION.

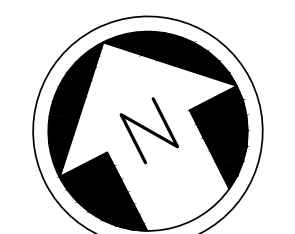
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- INLET PROTECTION
- HIGH VISIBILITY FENCE
- SILT FENCE
- TREE PROTECTION FENCE



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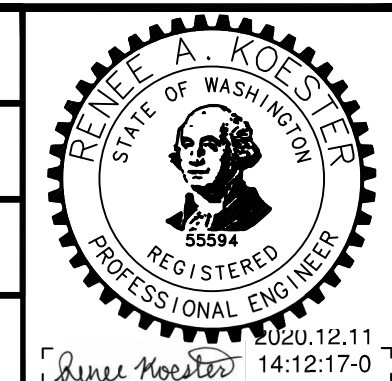
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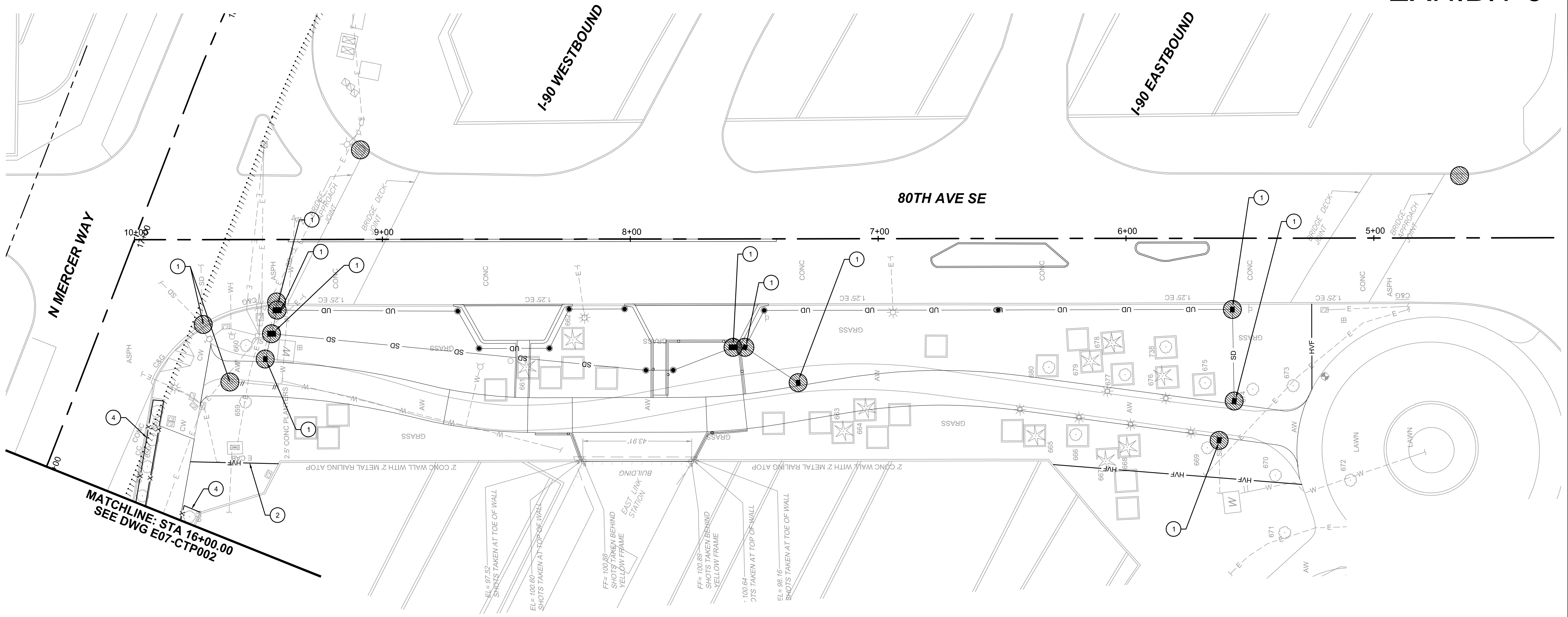
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CONTRACT No.:
RTA/AE 0072-19

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY EROSION SEDIMENT CONTROL PLAN

DRAWING No.:
E07-CTP002
LOCATION ID:
E07
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| DESIGNED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
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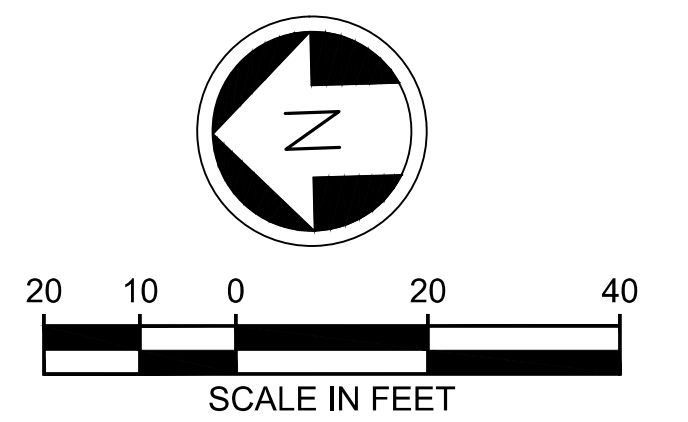
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SEE DWG E07-CTP002

T.E.S.C. NOTES

- ① INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00.
- ② INSTALL HI-VISIBILITY FENCE PER WSDOT STD. PLAN I-10.10-01.
- ④ INSTALL TREE PROTECTION FENCING, SEE DETAIL 1, DRAWING NO. E07-CTD001.

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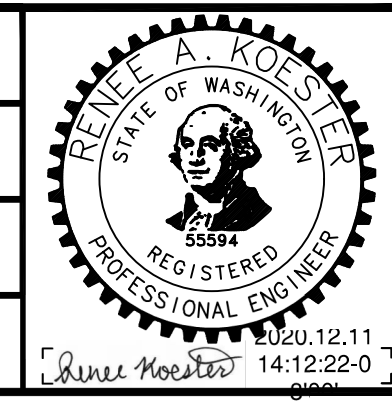
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- HIGH VISIBILITY FENCE
- SILT FENCE
- TREE PROTECTION FENCE



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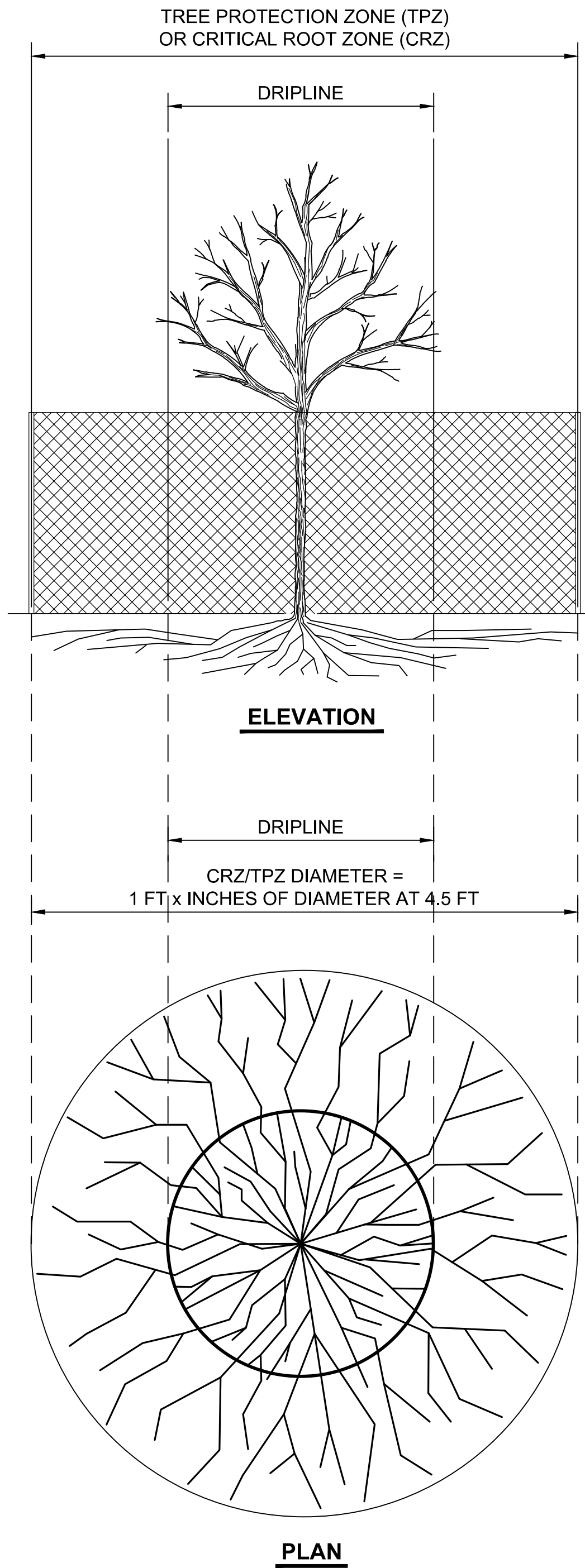
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EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY EROSION SEDIMENT CONTROL PLAN

DRAWING No.:
E07-CTP003
LOCATION ID:
E07
SHEET No.:
18 OF 104
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GENERAL NOTES

1. CRITICAL ROOT ZONE (CRZ) AND TREE PROTECTION ZONE (TPZ) ARE SYNONYMOUS.
2. TREE PROTECTION FENCING AND TREE PROTECTION ZONES (TPZ) ALSO ADDRESS THE PROTECTION OF LANDSCAPE, PLANTS, AND VEGETATION. TREE PROTECTION FENCING AND LANDSCAPE PROTECTION FENCING ARE SYNONYMOUS.
3. REFER TO SECTION 2-01 OF THE SPECIFICATIONS FOR FURTHER DETAILS RELATING TO THE PROTECTION OF TREES AND LANDSCAPE AREAS.
4. LANDSCAPE PROTECTION FENCING SHOWN ON PLANS IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION AND PRIOR TO INITIATING CONSTRUCTION.
5. THE ENGINEER'S APPROVAL IS REQUIRED FOR USE/ACCESS WITHIN ANY CRZ ACCESS POINTS AND CONSTRUCTION METHODS WITHIN AREAS BEYOND THE CRZ SHALL BE COORDINATED THROUGH THE ENGINEER.
6. LANDSCAPE PROTECTION FENCING SHALL BE 6'-0" TALL CHAIN-LINK FENCING INSTALLED AT THE TPZ LINE. FENCING SHALL HAVE 1.5" STEEL POSTS DRIVEN 2 FEET INTO THE GROUND NO MORE THAN 10 FEET APART. MOVEABLE BARRIERS OF CHAIN LINK FENCING SECURED TO CONCRETE BLOCKS OR OTHER APPROVED FOUNDATION ELEMENTS MAY BE SUBSTITUTED FOR "FIXED" FENCING IF THERE IS POTENTIAL HARM TO LANDSCAPING OR IF IT IS ANTICIPATED THAT THE FENCING WILL NEED TO BE MOVED TO ACCOMMODATE PHASING OR ACCESS NEEDS.
7. FENCING MUST BE MAINTAINED AND MONITORED DURING CONSTRUCTION.
8. SURFACE PROTECTION MEASURES FOR LANDSCAPE PROTECTION AREAS MAY BE REQUIRED WITHIN AND OUTSIDE OF LANDSCAPE PROTECTION FENCING AS DIRECTED BY THE ENGINEER. POTENTIAL MEASURES INCLUDE:
 - A. MULCH LAYER (6"-8" DEPTH)
 - B. 3/4" PLYWOOD
 - C. STEEL PLATES
9. TRENCHING/DISTURBANCE PRACTICES WITHIN CRZ MUST BE APPROVED BY THE ENGINEER. GENERAL PARAMETERS INCLUDE:
 - A. EXCAVATION MUST BE DONE BY HAND OR WITH A HAND-DRIVEN TRENCHER
 - B. DISTURB NO MORE THAN 2/3 OF THE AREA WITHIN THE TPZ WHEREVER POSSIBLE.
 - C. ROOTS LARGER THAN 2" IN DIAMETER SHALL NOT BE SEVERED UNLESS IT IS UNAVOIDABLE AND APPROVED TO DO SO BY THE ENGINEER.
 - D. IF TUNNELING OCCURS INSTEAD OF TRENCHING, APPROVAL OF METHODOLOGY AND LOCATION IS REQUIRED FROM ENGINEER. MINIMUM DEPTH OF TUNNELING UNDER TPZ SHALL BE 3'-0".
10. OVERHEAD BRANCHING LIKELY TO BE DAMAGED BY EQUIPMENT OPERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER TO DETERMINE APPROPRIATE PREVENTATIVE MEASURES (PRUNING OR TYING BACK BRANCHES). IMPLEMENTATION AND REMOVAL OF PREVENTATIVE MEASURES SHALL BE COORDINATED WITH THE ENGINEER.
11. NO STORAGE OF MATERIALS OR EQUIPMENT WITHIN THE CRZ SHALL BE ALLOWED WITHOUT PROPER SURFACE PROTECTION AND AUTHORIZATION FROM THE ENGINEER.
12. PROVIDE TRUNK WRAP IF NEEDED AS DIRECTED BY ENGINEER.
13. LANDSCAPING ROOTS SHALL NOT BE EXPOSED FOR MORE THAN 48 HOURS.
14. VISIBLE HEALTH DECLINE OR MORTALITY OF THE VEGETATION WITHIN THE CRZ SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE ENGINEER SHALL DETERMINE IF CONTRACTOR IS RESPONSIBLE FOR VEGETATION REPLACEMENT AND/OR IF MITIGATION MEASURES ARE NEEDED.
15. NEW CONSTRUCTION SHALL NOT OCCUR WITHIN 2'-0" FROM THE FLARE OF TRUNK (MIN). ALL NEW CONSTRUCTION PLANNED WITHIN THE CRZ SHALL BE COORDINATED WITH THE ENGINEER.
16. CLEARING AND GRUBBING OF WEEDS AND EXISTING VEGETATION IS ALLOWED WITHIN THE CRZ, BUT ONLY USING HAND EQUIPMENT. EXISTING VEGETATION SHALL BE COMPLETELY CLEARED AND GRUBBED WITHIN THE CRZ WHEN NEW PLANTING OR MULCH IS PROPOSED WITHIN THE CRZ. AVOID HARM TO TREE ROOTS WHERE POSSIBLE. IF THE TREE HEALTH IS COMPROMISED AS A RESULT OF CLEARING AND GRUBBING ACTIVITIES WITHIN THESE AREAS, MITIGATION MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER. A 4" LAYER OF MULCH TO BE INSTALLED IN DISTURBED AREAS PER THE CONTRACT PLANS AND CONTRACT SPECIFICATIONS.
17. HIGH VISIBILITY FENCING MAY BE USED IN LIEU OF CHAIN LINK FENCING IN AREAS THAT WILL NOT HAVE HEAVY EQUIPMENT WITHIN 15' OF THE CRZ.

TREE PROTECTION DETAIL

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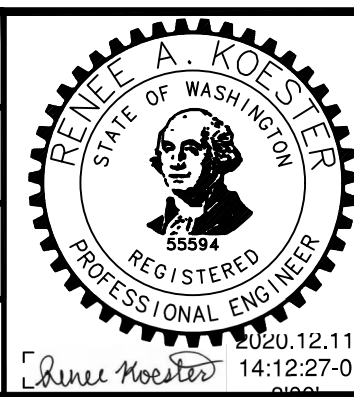
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY EROSION SEDIMENT CONTROL DETAILS

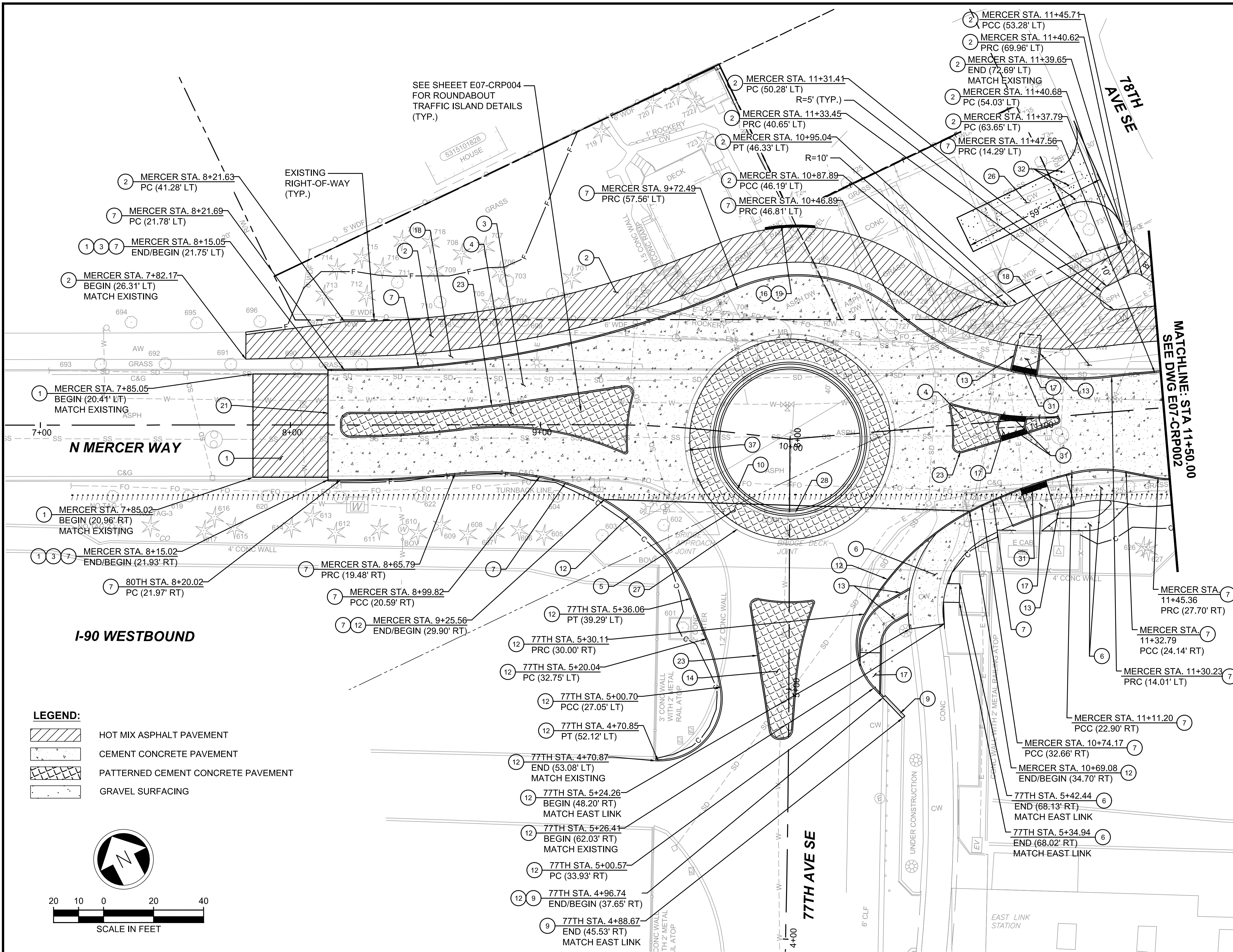
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SUBMITTED BY: **A. WILEN** DATE: **12/11/2020** REVIEWED BY: **M. LU** DATE: **12/11/2020**

- CONSTRUCTION NOTES:**
- 0.67' HMA CL. 1/2 PG 58H-22 (THREE LIFTS).
 - 0.33' HMA CL. 1/2 PG 58H-22 (TWO LIFTS).
 - 0.83' CEMENT CONCRETE PAVEMENT.
 - 0.33' PATTERNED CONCRETE, SEE DRAWING NOS. E07-CRP004 FOR SPLITTER ISLAND PLAN AND E07-CRD001 FOR CONCRETE DETAILS.
 - VARIED DEPTH PATTERNED CONCRETE, SEE DRAWING NO. E07-CRD001 FOR TRUCK APRON PATTERN DETAILS.
 - CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03. SEE DRAWING NOS. E07-LHP001 TO E07-LHP003 FOR HARDSCAPE PLANS.
 - CEMENT CONCRETE TRAFFIC CURB PER DETAIL ON E07-SWD005.
 - CONSTRUCT BARRIER CURB PER DRAWING NO. E07-SWD005.
 - ROUNDAABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD. PLAN F-10.18-01.
 - TOP BRIDGE SLAB CURB PER DRAWING NO. E07-SWD005.
 - CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD. PLAN F-10.12-03.
 - 0.50' PATTERNED CONCRETE, SEE DRAWING NOS. E07-CRP004 FOR SPLITTER ISLAND PLAN AND E07-CRD001 FOR CONCRETE DETAILS.
 - GRAVITY BLOCK WALL, SEE DRAWING NOS. E07-SWP001 AND E07-SWV001 FOR STRUCTURAL WALL PLANS AND PROFILES.
 - CEMENT CONCRETE CURB RAMP PER CURB RAMP PLANS.
 - PROPOSED LANDSCAPED AREAS, SEE DRAWING NOS. LPP001-LPP003 FOR LANDSCAPING PLANS.
 - PEDESTRIAN RAIL FOR FALL PROTECTION INSTALLED ON WALL PER DRAWING NOS. E07-SWP001 TO E07-SWP002.
 - HMA TRANSITION JOINT PER WSDOT STD. PLAN A-40.10-04.
 - MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
 - CONSTRUCT 15' WIDE 0.5' DEPTH CSBC ACCESS DRIVEWAY FOR DETENTION VAULT.
 - CONSTRUCT PRECAST SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.62-02.
 - ROUNDAABOUT CENTRAL ISLAND CEMENT CONCRETE CURB MODIFIED FOR TOP BRIDGE APPROACH SLAB PER DRAWING NO. E07-SWD005.
 - INSTALL DETECTABLE WARNING SURFACE AT CURB RAMP PER WSDOT STD. PLAN F-45.10-02.
 - INSTALL BOLLARD TYPE 1 PER WSDOT STD. PLAN H-60.10-01.
 - CONSTRUCT CAST-IN-PLACE SLOPED MOUNTABLE CURB PER DRAWING NO. E07-SWD005.

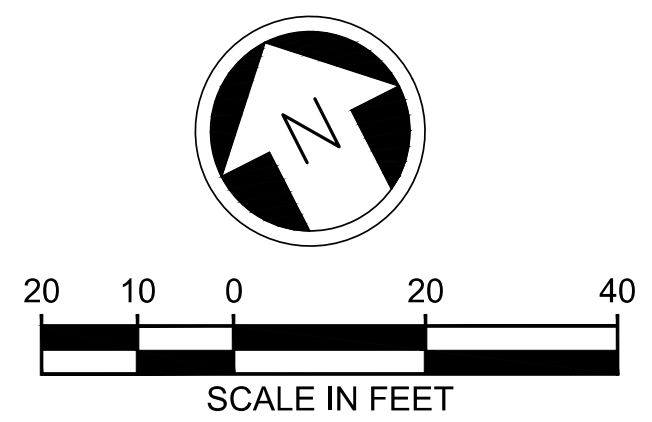
- GENERAL NOTES:**
- SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
 - SEE DRAWING NOS. E07-CSP001 TO E07-CSP003 FOR T.E.S.C. AND SITE PREPARATION PLANS.
 - SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND DETAILS.
 - SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS.
 - SEE DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR CHANNELIZATION & SIGNING PLANS.
 - SEE DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR UTILITY PLANS.
 - SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPING PLANS.



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| DRAWING No.: E07-CRP001 | |
| LOCATION ID: E07 | |
| SHEET No.: 20 OF 104 | REV: 0 |

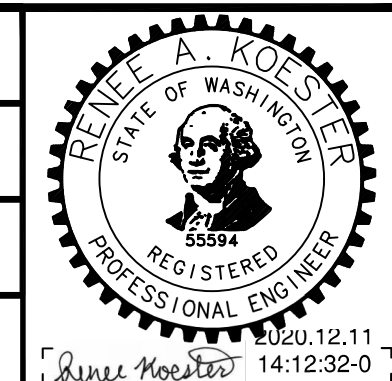
LEGEND:

| | |
|--|------------------------------------|
| | HOT MIX ASPHALT PAVEMENT |
| | CEMENT CONCRETE PAVEMENT |
| | PATTERNED CEMENT CONCRETE PAVEMENT |
| | GRAVEL SURFACING |



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

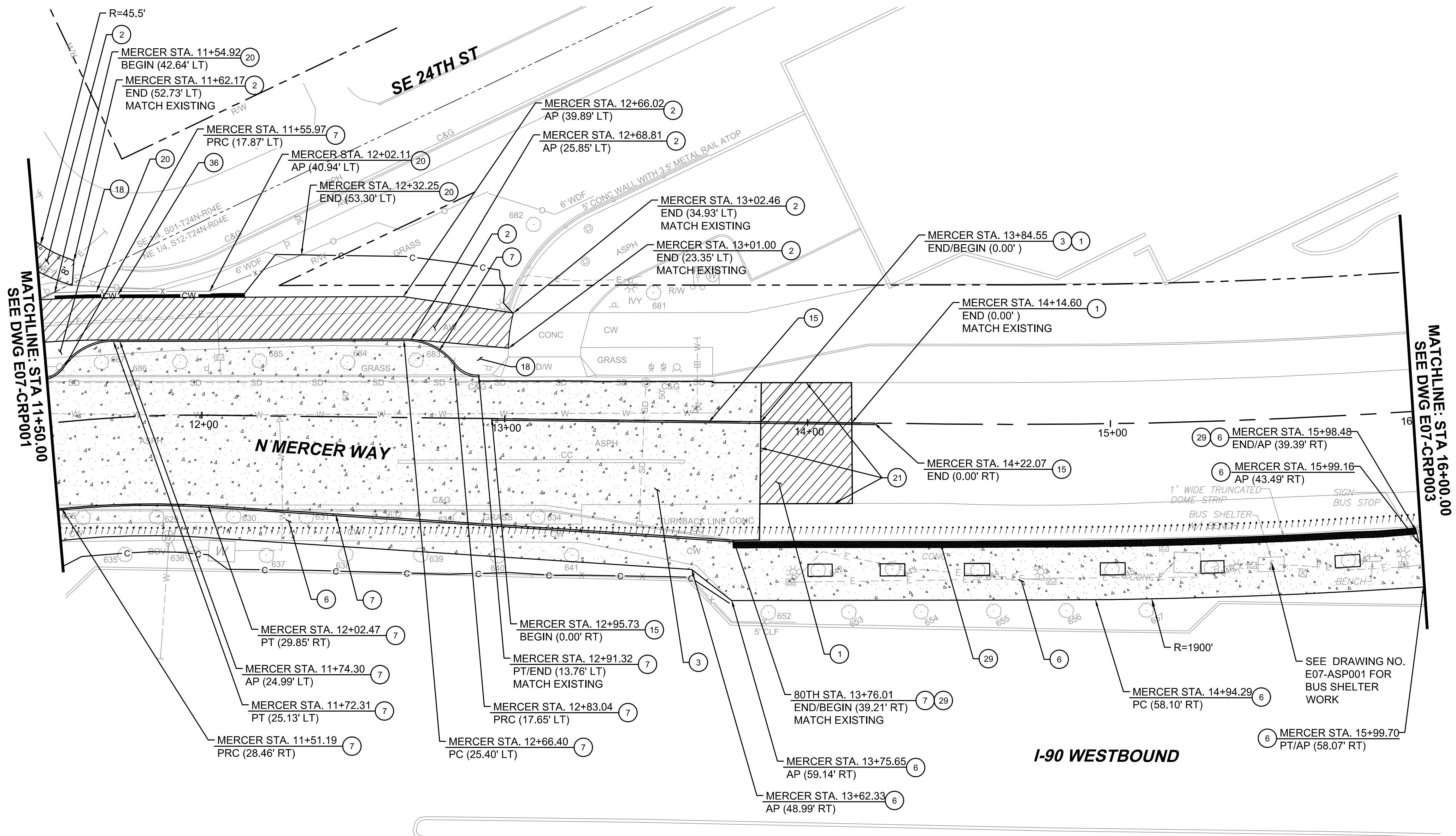
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SCALE:
1" = 20'
FILENAME:
E135-E07-CRP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

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|------------------------------------|----------------------------------|------------------------------|------------------------------|
| DESIGNED BY: R. KOESTER | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
| DRAWN BY: O. AHRENSFELD | SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU |
| CHECKED BY: M. FELIBERTI | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
| APPROVED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |

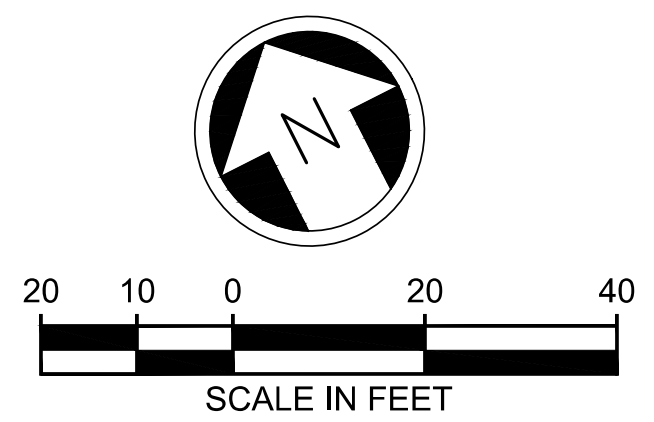
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- CONSTRUCTION NOTES:**
- 1 0.67' HMA CL. 1/2 PG 58H-22 (THREE LIFTS).
 - 2 0.33' HMA CL. 1/2 PG 58H-22 (TWO LIFTS).
 - 3 0.83' CEMENT CONCRETE PAVEMENT.
 - 6 CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03, SEE DRAWING NOS. E07-LHP001 TO E07-LHP003 FOR HARDSCAPE PLANS.
 - 7 CEMENT CONCRETE TRAFFIC CURB PER DETAIL ON E07-SWD005.
 - 15 CEMENT CONCRETE, TYPE 6, EXTRUDED CURB PER WSDOT STD. PLAN F-10.42-00.
 - 18 PROPOSED LANDSCAPED AREAS, SEE DRAWING NOS. LPP001-LPP003 FOR LANDSCAPING PLANS.
 - 20 REBUILD WOOD FENCE WITH SALVAGED MATERIALS
 - 21 HMA TRANSITION JOINT PER WSDOT STD. PLAN A-40.10-04.
 - 29 INSTALL 2' WIDE DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02 ALONG BACK OF EXISTING CURB.
 - 36 SOLDIER PILE WALL, SEE DRAWING NOS. E07-SWP001 AND E07-SWW001 FOR STRUCTURAL WALL PLANS AND PROFILES.

- GENERAL NOTES:**
1. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
 2. SEE DRAWING NOS. E07-CSP001 TO E07-CSP003 FOR T.E.S.C. AND SITE PREPARATION PLANS.
 3. SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND DETAILS.
 4. SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS.
 5. SEE DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR CHANNELIZATION & SIGNING PLANS.
 6. SEE DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR UTILITY PLANS.
 7. SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPING PLANS.

- LEGEND:**
- HOT MIX ASPHALT PAVEMENT
 - CEMENT CONCRETE PAVEMENT



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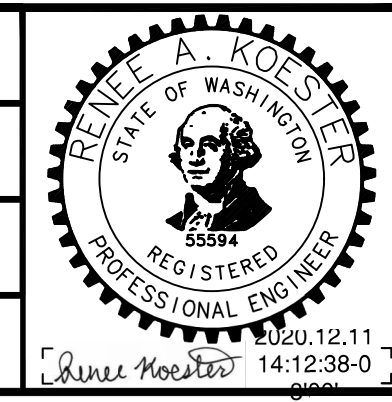
ISSUED FOR BID

DESIGNED BY:
R. KOESTER

DRAWN BY:
O. AHRENSFELD

CHECKED BY:
M. FELIBERTI

APPROVED BY:
A. WILEN



REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY

SUBMITTED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
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Bellevue Washington 98007
Phone: 425.519.6500

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE:
1" = 20'

FILENAME:
E135-E07-CRP001-003

CONTRACT No.:
RTA/AE 0072-19

DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

ROADWAY AND PAVING PLAN

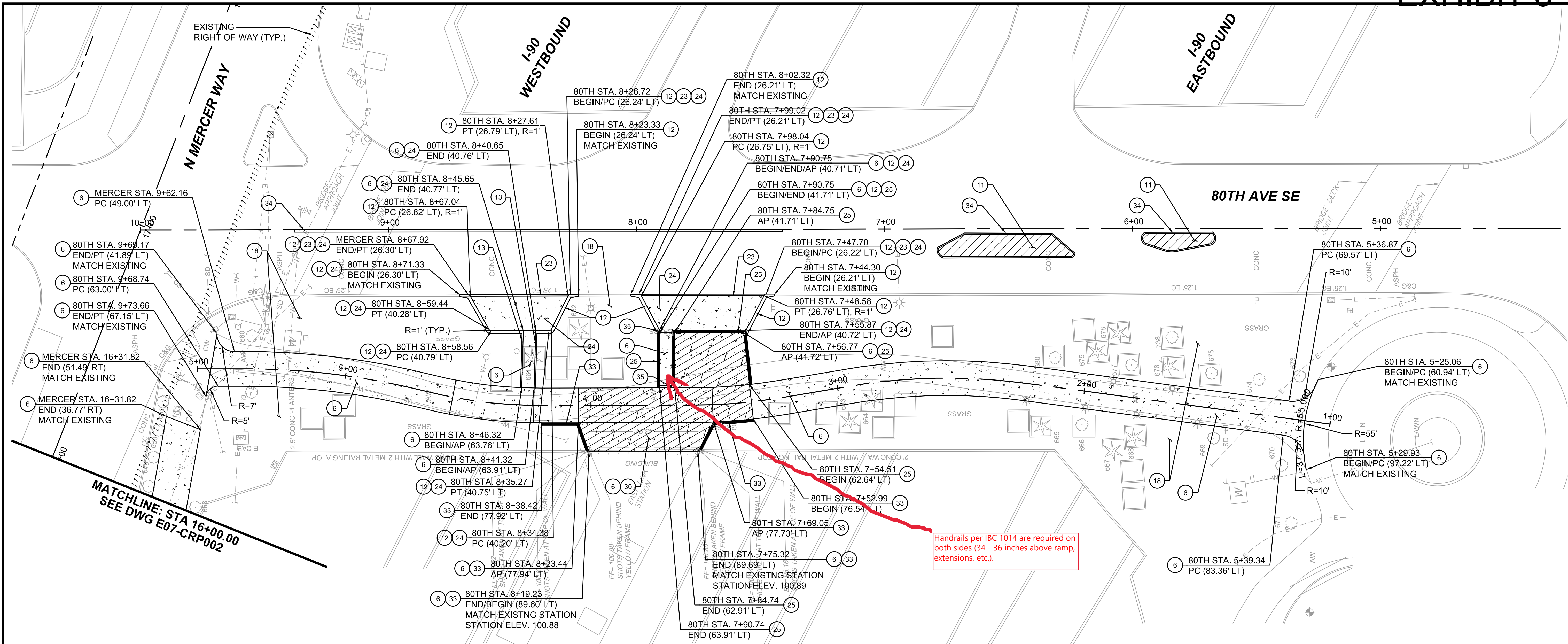
DRAWING No.:
E07-CRP002

LOCATION ID:
E07

SHEET No.:
21 OF 104

REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
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CONSTRUCTION NOTES:

- 6 CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03, SEE DRAWING NOS. E07-LHP001 TO E07-LHP003 FOR HARDSCAPE PLANS.
- 11 0.50" HMA CL. 1/2 PG 58-22 WITHIN MOUNTABLE CURB ON TOP BRIDGE SLAB.
- 12 TOP BRIDGE SLAB CURB PER DRAWING NO. E07-SWD005.
- 13 CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD. PLAN F-10.12-03.
- 18 PROPOSED LANDSCAPED AREAS, SEE DRAWING NOS. LPP001-LPP003 FOR LANDSCAPING PLANS.
- 23 MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
- 24 0.5" CEMENT CONCRETE DRIVEWAY, SEE DRAWING NOS. E07-LHP001 TO E07-LHP-003 FOR SCORING.
- 25 CURB WALL WITHOUT CURB WITH PEDESTRIAN RAIL FOR FALL PROTECTION. INSTALL CURB WALL PER DRAWING NOS. E07-SWD006 AND E07-SWV002. INSTALL RAILING PER DRAWING NO. E07-SWD001.
- 30 INSTALL EPS GEOFOAM LAYER, SEE DRAWING NO. E07-CRY003 FOR TYPICAL SECTIONS.

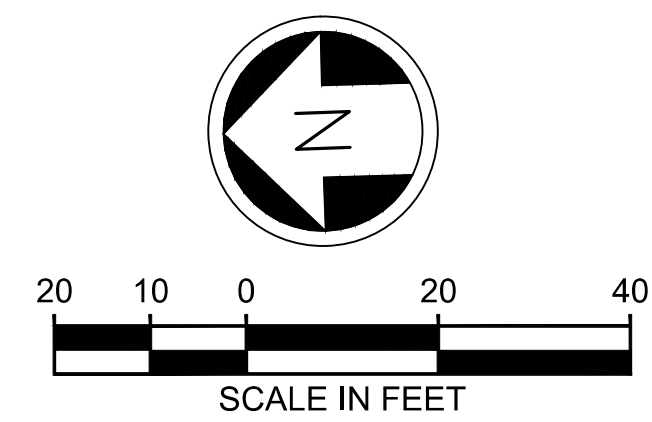
- 33 CURB WALL WITH CURB WITH PEDESTRIAN RAIL FOR FALL PROTECTION. INSTALL CURB WALL AND RAILING PER DRAWING NOS. E07-SWD006 AND E07-SWV002.
- 34 INSTALL PRECAST DUAL FACED SLOPED MOUNTABLE CURB WITH DOWELING OR EPOXY PER WSDOT STD. PLAN F-10.64-03 TO LIMITS DOCUMENTED BY CONTRACTOR PRIOR TO REMOVAL OF EXISTING CURB. LOCATION SHOWN IN PLANS IS APPROXIMATE.
- 35 EXTEND PEDESTRIAN RAIL IN CURB WALL 1' BEYOND CURB WALL.

GENERAL NOTES:

1. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
2. SEE DRAWING NOS. E07-CSP001 TO E07-CSP003 FOR T.E.S.C. AND SITE PREPARATION PLANS.
3. SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND DETAILS.
4. SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS.
5. SEE DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR CHANNELIZATION & SIGNING PLANS.
6. SEE DRAWING NOS. E07-UCP001 TO E07-UCP003 FOR UTILITY PLANS.
7. SEE DRAWING NOS. E07-LPP001 TO E07-LPP003 FOR LANDSCAPING PLANS.

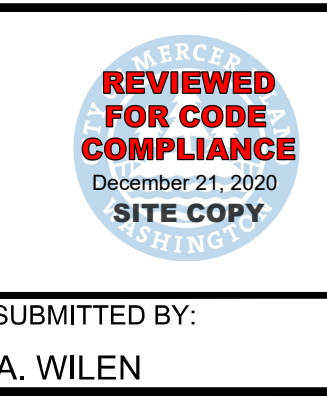
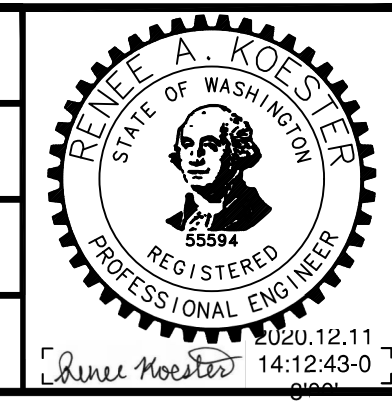
LEGEND:

- HOT MIX ASPHALT PAVEMENT
- CEMENT CONCRETE PAVEMENT
- EPS GEOFOAM LIMITS



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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SUBMITTED BY:
A. WILEN
DATE:
12/11/2020

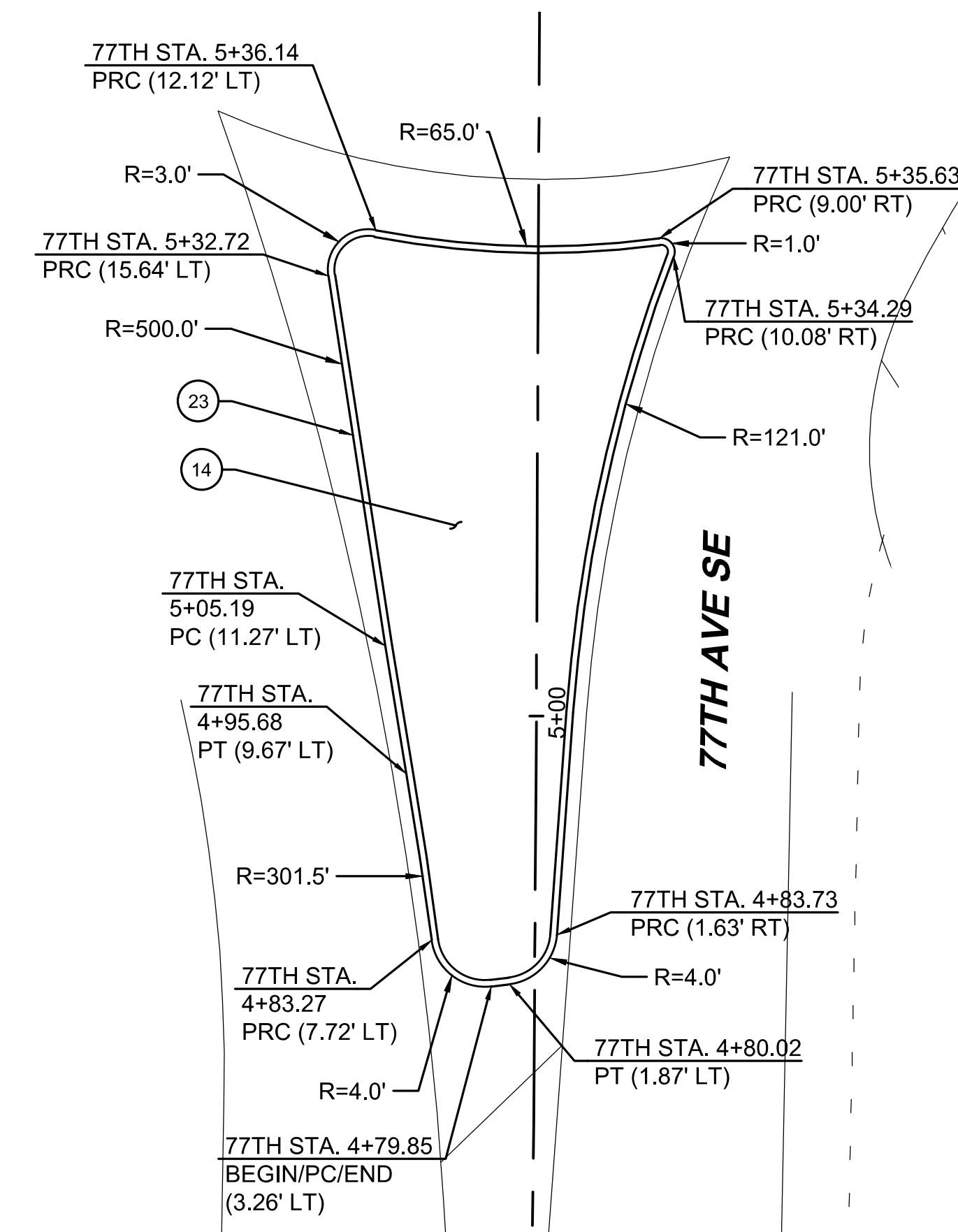
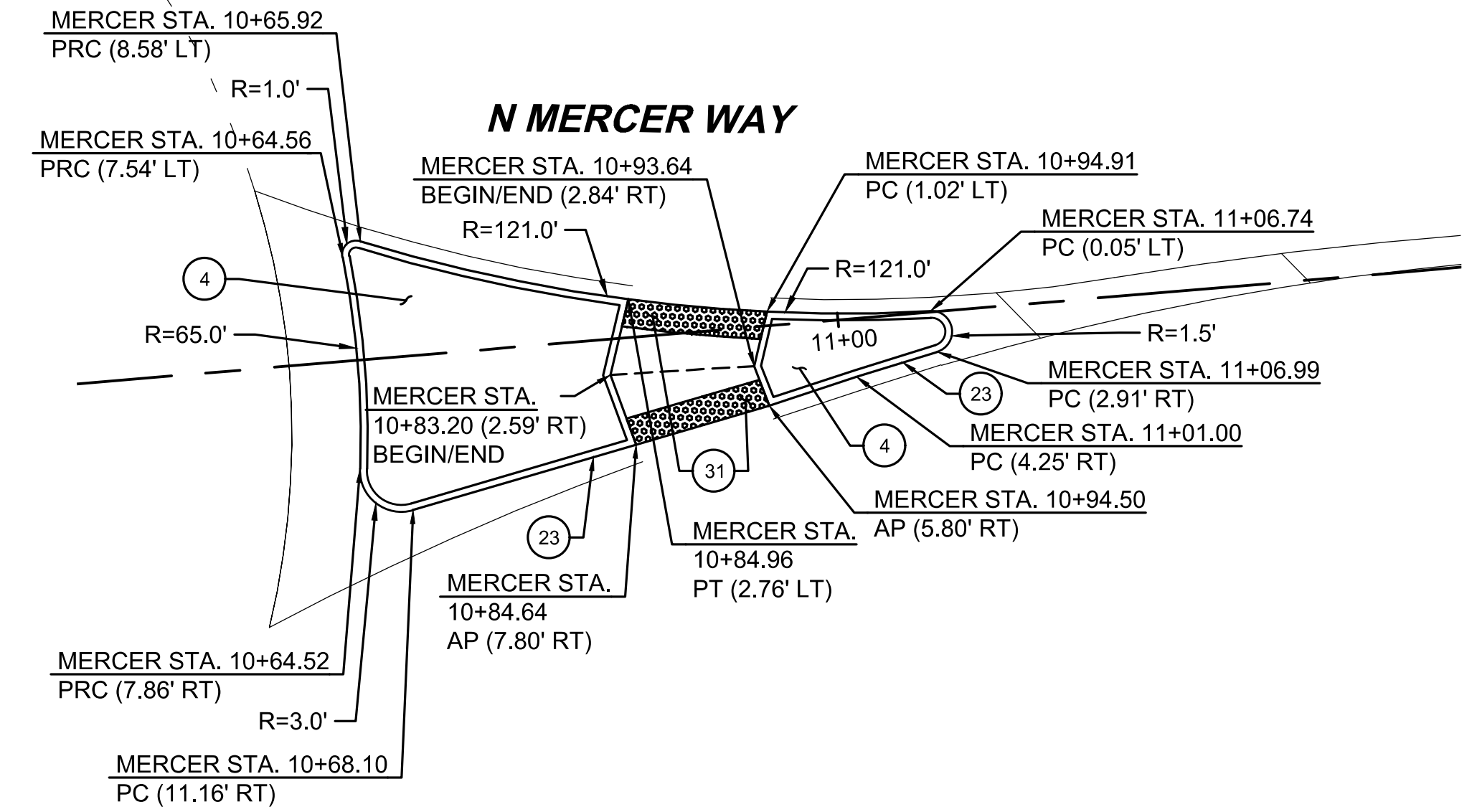
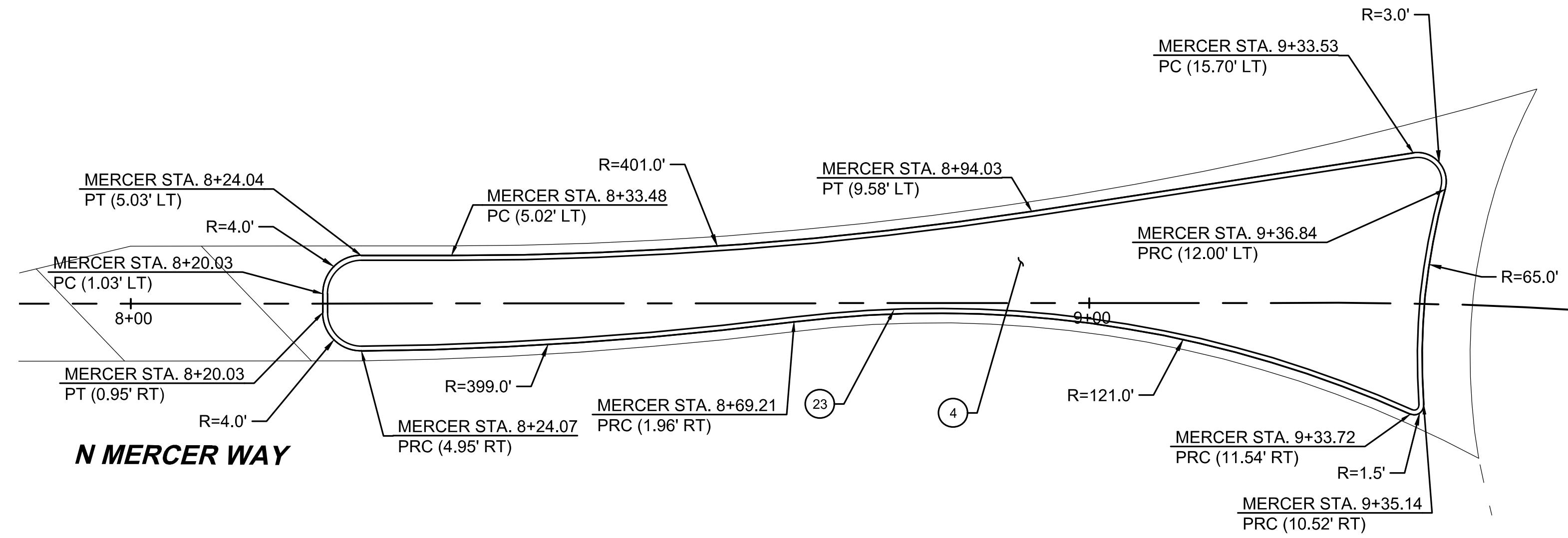
REVIEWED BY:
M. LU
DATE:
12/11/2020

SCALE:
1" = 20'
FILENAME:
E135-E07-CRP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ROADWAY AND PAVING PLAN

DRAWING No.:
E07-CRP003
LOCATION ID:
E07
SHEET No.:
22 OF 104
REV:
0

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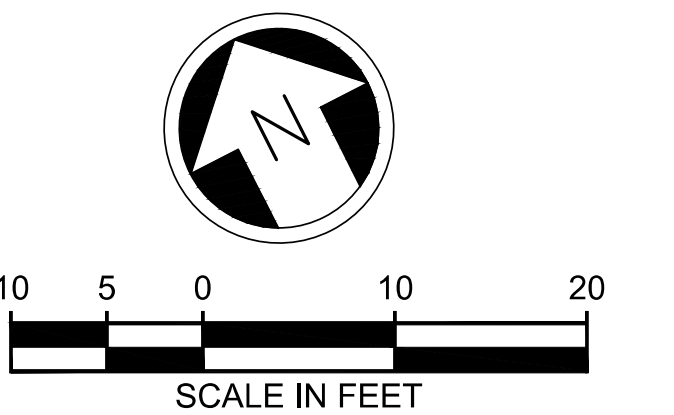


CONSTRUCTION NOTES:

- ④ 0.33' PATTERNED CONCRETE, SEE DRAWING NO. E07-CRD001 FOR DETAIL.
- ⑭ 0.50' PATTERNED CONCRETE, SEE DRAWING NO. E07-CRD001 FOR DETAIL.
- ⑳ MOUNTABLE CEMENT CONCRETE TRAFFIC CURB PER DRAWING NO. E07-SWD005.
- ㉑ INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.

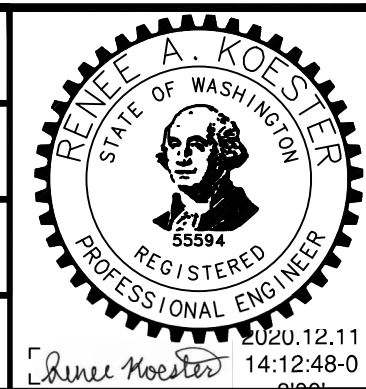
GENERAL NOTES:

- 1. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- 2. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR ROADWAY PLANS.
- 3. SEE DRAWING NOS. E07-CMP001 TO E07-CMP003 FOR CHANNELIZATION & SIGNING PLANS.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
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Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 10'
FILENAME:
E135-E07-CRP004
CONTRACT No.:
RT/AE 0072-19

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC ISLAND PLAN

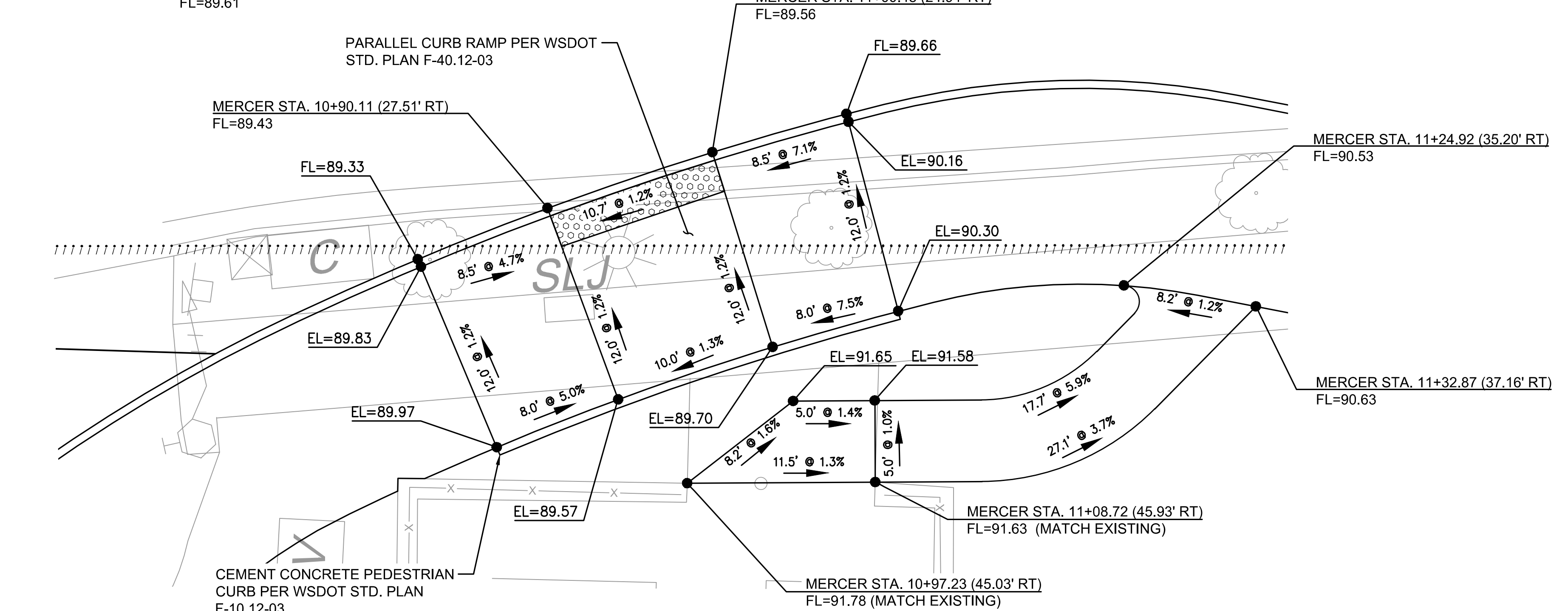
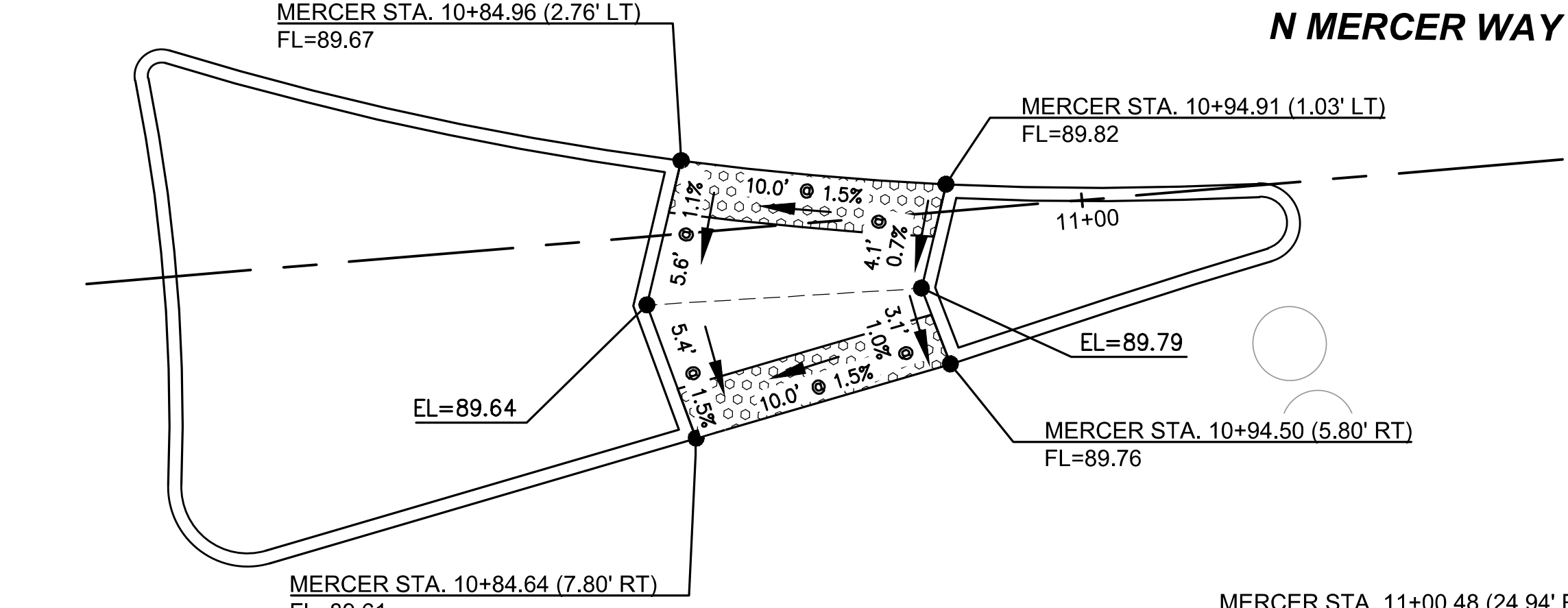
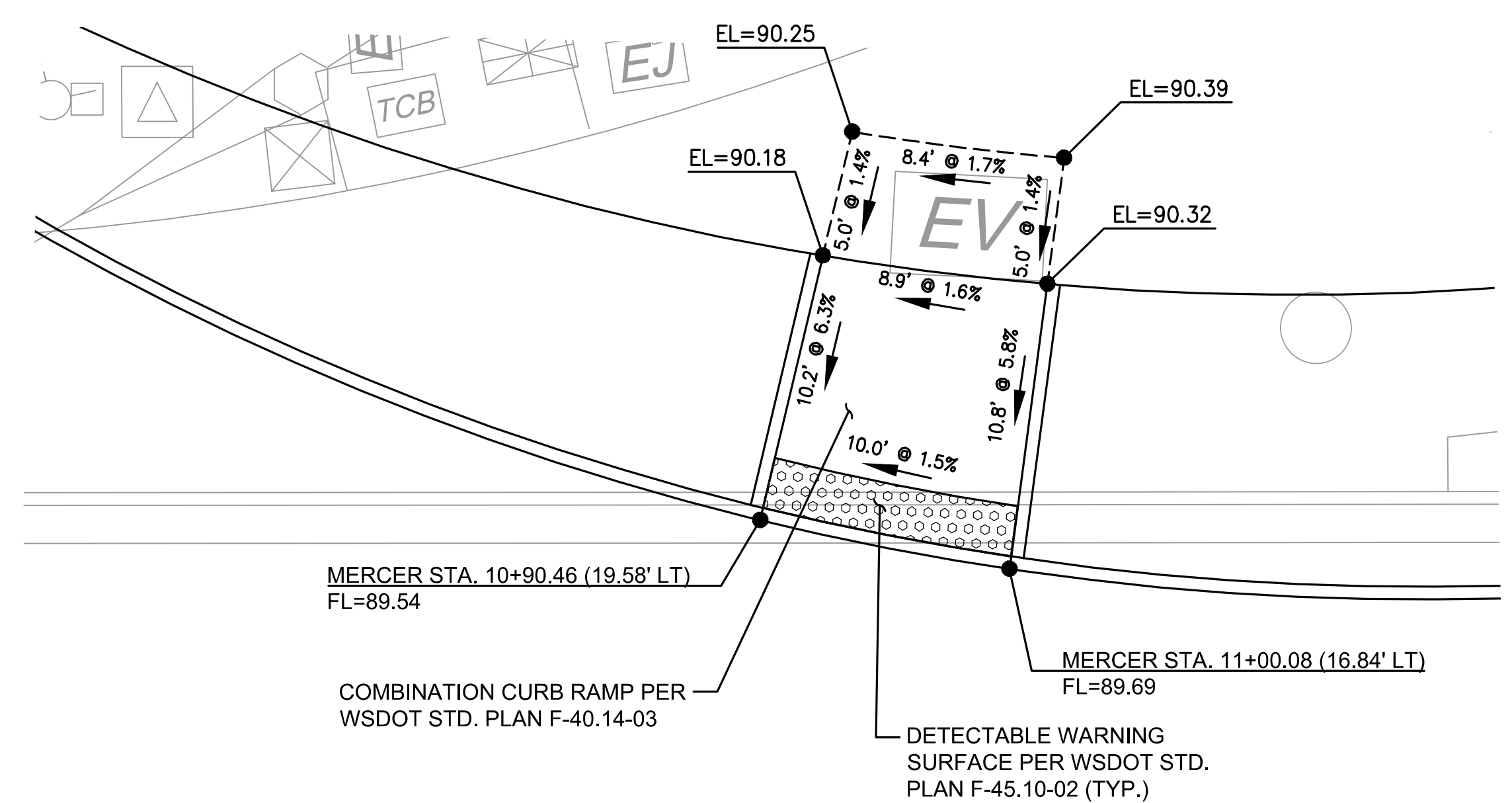
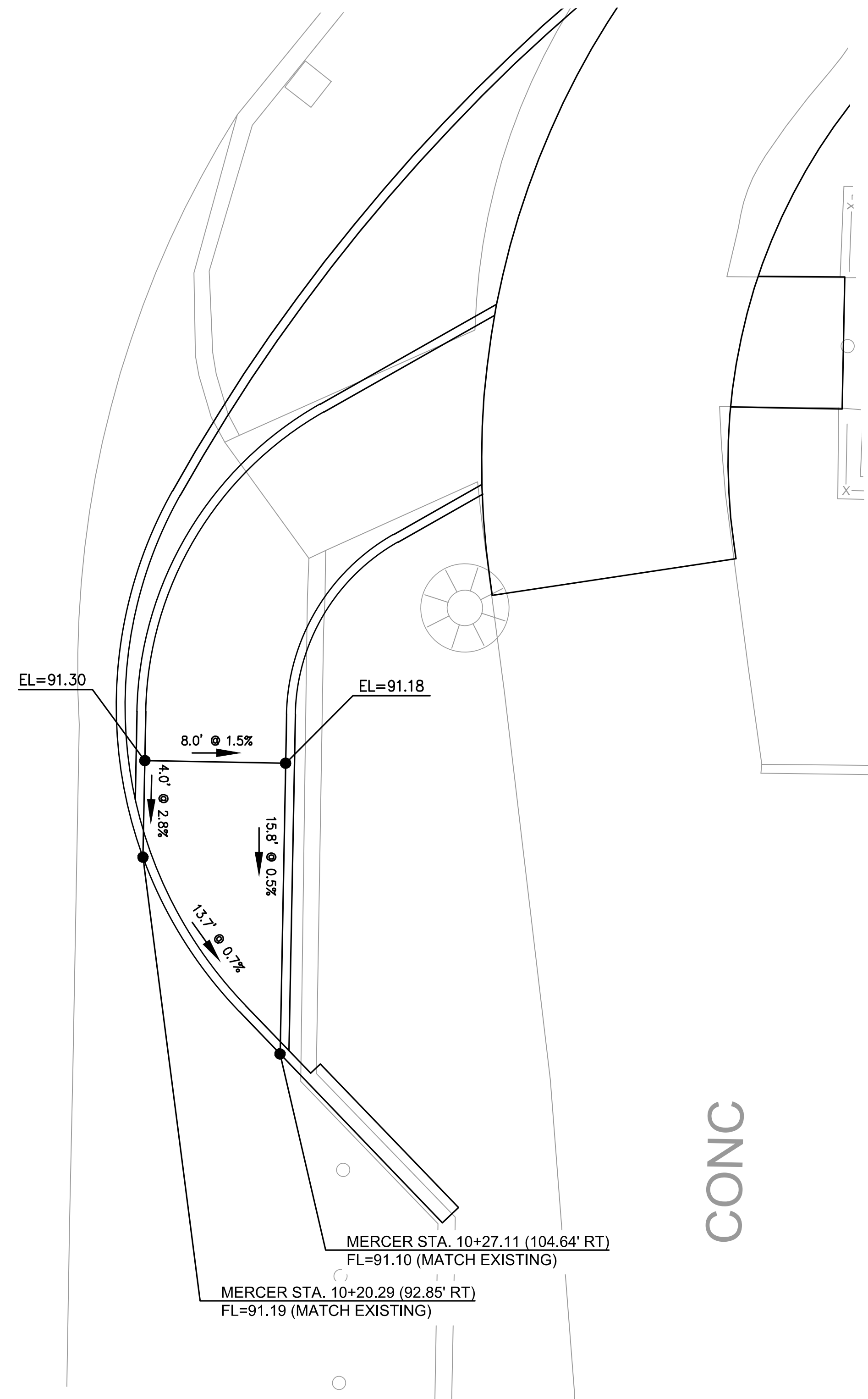
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LOCATION ID: **E07**
SHEET No.: **23 OF 104**
REV: **0**

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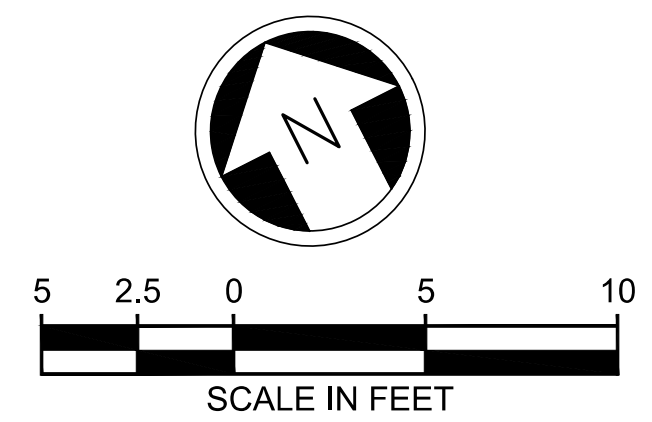
| No. | DATE | DSN | CHK | APP | REVISION |
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GENERAL NOTES:

1. FOR MIX DESIGN STRENGTH, SEE SPECIFICATIONS.
2. STATIONS, OFFSETS, DIMENSIONS, AND HORIZONTAL CONTROL ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
4. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.
5. CONTRACTOR IS TO REMOVE AND REPLACE ROOT BARRIER WHENEVER FOUND DURING CONSTRUCTION OF CURB RAMPS.
6. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR ROADWAY PLANS.
7. SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND PLAN.

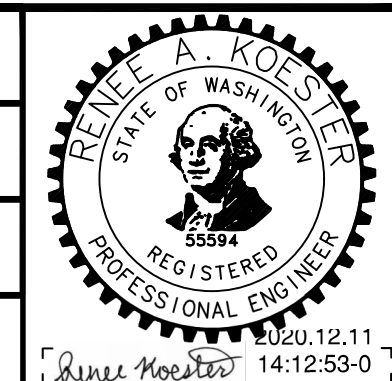


CONC



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
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Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 5'
FILENAME:
E135-E07-CRP005
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ADA CURB RAMP PLANS

DRAWING No.:
E07-CRP005
LOCATION ID:
E07
SHEET No.:
24 OF 104
REV:
0

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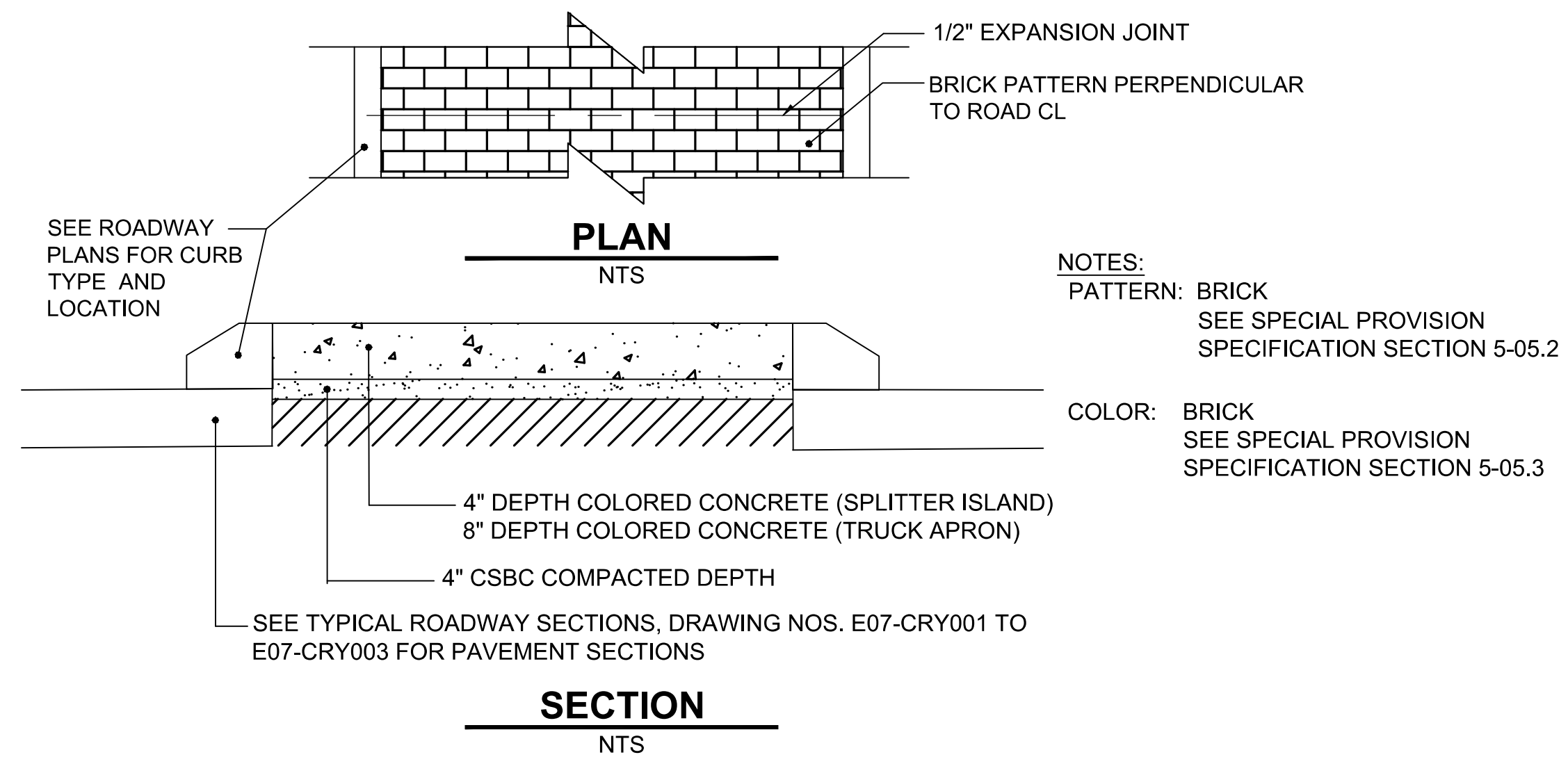
| No. | DATE | DSN | CHK | APP | REVISION |
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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

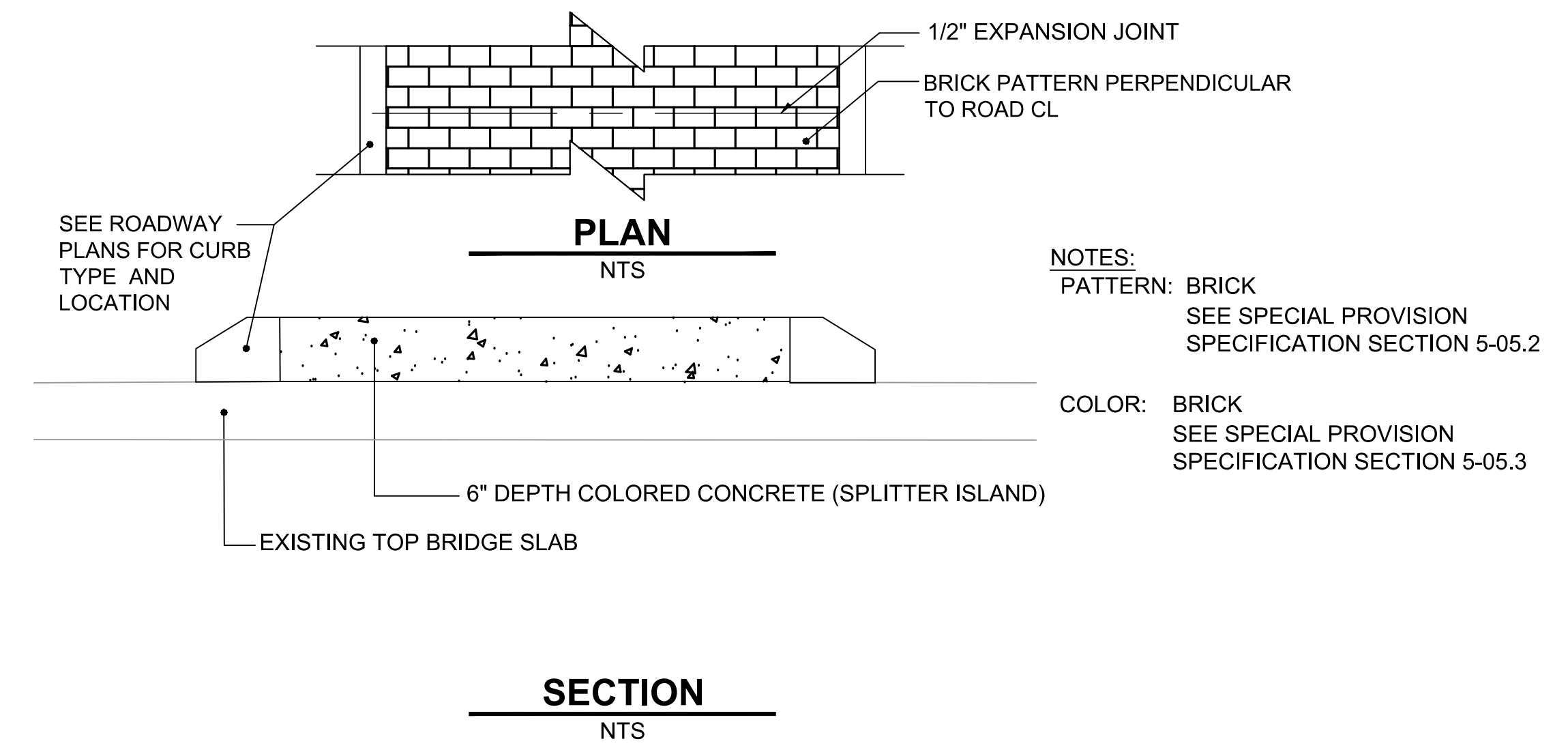
DATE:
12/11/2020



PATTERNED CEMENT CONCRETE SPLITTER ISLAND (N MERCER WAY) / TRUCK APRON DETAIL

NTS

1
E07-CRP001
E07-CRP004



PATTERNED CEMENT CONCRETE SPLITTER ISLAND (77TH AVE SE)

NTS

2
E07-CRP001
E07-CRP004

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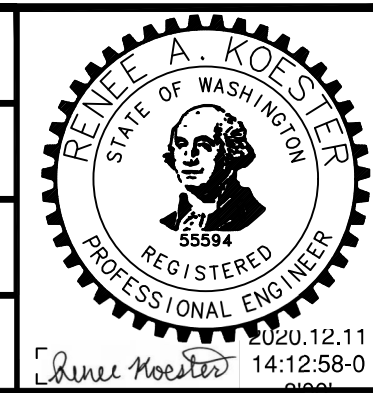
ISSUED FOR BID

DESIGNED BY:
R. KOESTER

DRAWN BY:
O. AHRENSFELD

CHECKED BY:
M. FELIBERTI

APPROVED BY:
A. WILEN



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Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS

FILENAME:
E135-E07-CRD001

CONTRACT No.:
RTA/AE 0072-19

DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

ROADWAY DETAILS

DRAWING No.:
E07-CRD001

LOCATION ID:
E07

SHEET No.: **25 OF 104** REV: **0**

| No. | DATE | DSN | CHK | APP | REVISION |
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| | | | | | |

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

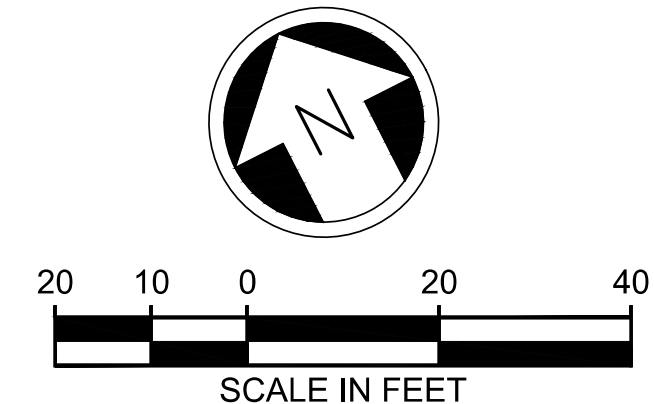
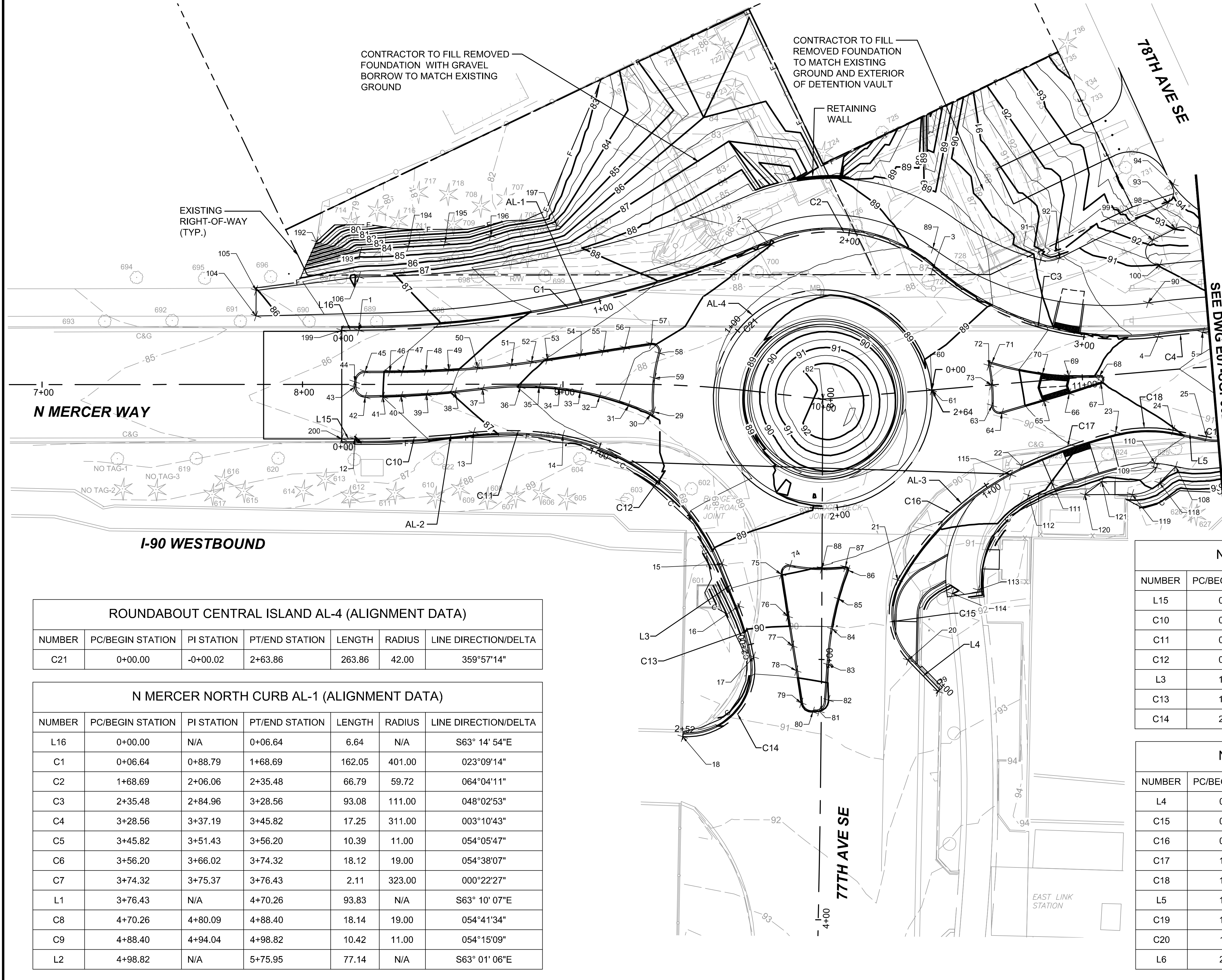
REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020

GENERAL NOTES:

1. ALIGNMENT DATA TABLE LENGTH AND RADIUS UNITS OF MEASURE ARE IN FEET.
2. SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
3. SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
4. CURB ALIGNMENT LOCATIONS ARE 1' OFFSET FROM FACE OF CURB.
5. SEE DRAWING NOS. E07-CGS001 TO E07-CGS002 FOR ROUNDABOUT AND 80TH AVE SE GRADING POINT TABLES.
6. SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND PLAN.
7. SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
8. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
9. SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.



ROUNDABOUT CENTRAL ISLAND AL-4 (ALIGNMENT DATA)

| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
|--------|------------------|------------|----------------|--------|--------|----------------------|
| C21 | 0+00.00 | -0+00.02 | 2+63.86 | 263.86 | 42.00 | 359°57'14" |

N MERCER NORTH CURB AL-1 (ALIGNMENT DATA)

| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
|--------|------------------|------------|----------------|--------|--------|----------------------|
| L16 | 0+00.00 | N/A | 0+06.64 | 6.64 | N/A | S63° 14' 54"E |
| C1 | 0+06.64 | 0+88.79 | 1+68.69 | 162.05 | 401.00 | 023°09'14" |
| C2 | 1+68.69 | 2+06.06 | 2+35.48 | 66.79 | 59.72 | 064°04'11" |
| C3 | 2+35.48 | 2+84.96 | 3+28.56 | 93.08 | 111.00 | 048°02'53" |
| C4 | 3+28.56 | 3+37.19 | 3+45.82 | 17.25 | 311.00 | 003°10'43" |
| C5 | 3+45.82 | 3+51.43 | 3+56.20 | 10.39 | 11.00 | 054°05'47" |
| C6 | 3+56.20 | 3+66.02 | 3+74.32 | 18.12 | 19.00 | 054°38'07" |
| C7 | 3+74.32 | 3+75.37 | 3+76.43 | 2.11 | 323.00 | 000°22'27" |
| L1 | 3+76.43 | N/A | 4+70.26 | 93.83 | N/A | S63° 10' 07"E |
| C8 | 4+70.26 | 4+80.09 | 4+88.40 | 18.14 | 19.00 | 054°41'34" |
| C9 | 4+88.40 | 4+94.04 | 4+98.82 | 10.42 | 11.00 | 054°15'09" |
| L2 | 4+98.82 | N/A | 5+75.95 | 77.14 | N/A | S63° 01' 06"E |

N MERCER SOUTHWEST CURB AL-2 (ALIGNMENT DATA)

| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
|--------|------------------|------------|----------------|--------|--------|----------------------|
| L15 | 0+00.00 | N/A | 0+04.99 | 4.99 | N/A | S62° 34' 58"E |
| C10 | 0+04.99 | 0+27.89 | 0+50.74 | 45.75 | 415.00 | 006°18'58" |
| C11 | 0+50.74 | 0+68.08 | 0+85.19 | 34.45 | 121.00 | 016°18'45" |
| C12 | 0+85.19 | 1+30.15 | 1+67.28 | 82.09 | 81.00 | 058°04'01" |
| L3 | 1+67.28 | N/A | 1+84.58 | 17.30 | N/A | S05° 04' 18"W |
| C13 | 1+84.58 | 1+94.82 | 2+04.98 | 20.40 | 101.00 | 011°34'18" |
| C14 | 2+04.98 | 2+38.24 | 2+52.18 | 47.20 | 26.02 | 103°54'49" |

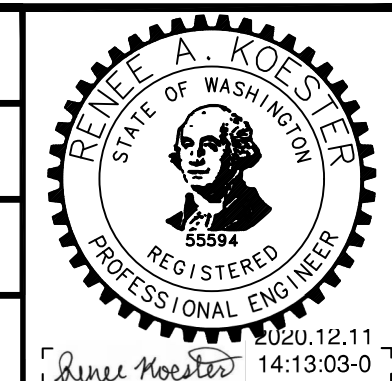
N MERCER SOUTHEAST CURB AL-3 (ALIGNMENT DATA)

| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
|--------|------------------|------------|----------------|--------|--------|----------------------|
| L4 | 0+00.00 | N/A | 0+16.65 | 16.65 | N/A | N16° 53' 34"W |
| C15 | 0+16.65 | 0+35.95 | 0+49.85 | 33.20 | 26.00 | 073°09'52" |
| C16 | 0+49.85 | 0+83.86 | 1+15.67 | 65.82 | 106.00 | 035°34'40" |
| C17 | 1+15.67 | 1+35.01 | 1+54.22 | 38.55 | 198.00 | 011°09'23" |
| C18 | 1+54.22 | 1+65.52 | 1+76.46 | 22.24 | 51.00 | 024°59'04" |
| L5 | 1+76.46 | N/A | 1+89.52 | 13.05 | N/A | S52° 00' 35"E |
| C19 | 1+89.52 | 1+92.33 | 1+95.11 | 5.59 | 19.00 | 016°52'00" |
| C20 | 1+95.11 | 2+19.51 | 2+43.80 | 48.69 | 289.00 | 009°39'10" |
| L6 | 2+43.80 | N/A | 4+17.59 | 173.79 | N/A | S59° 13' 41"E |

12/11/20 | 1:17 PM | OXA P:\S\TRA\0000087\0400CAD\TTS\HEETS\15-E07-CGP001-005.DWG

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-CGP001-005
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

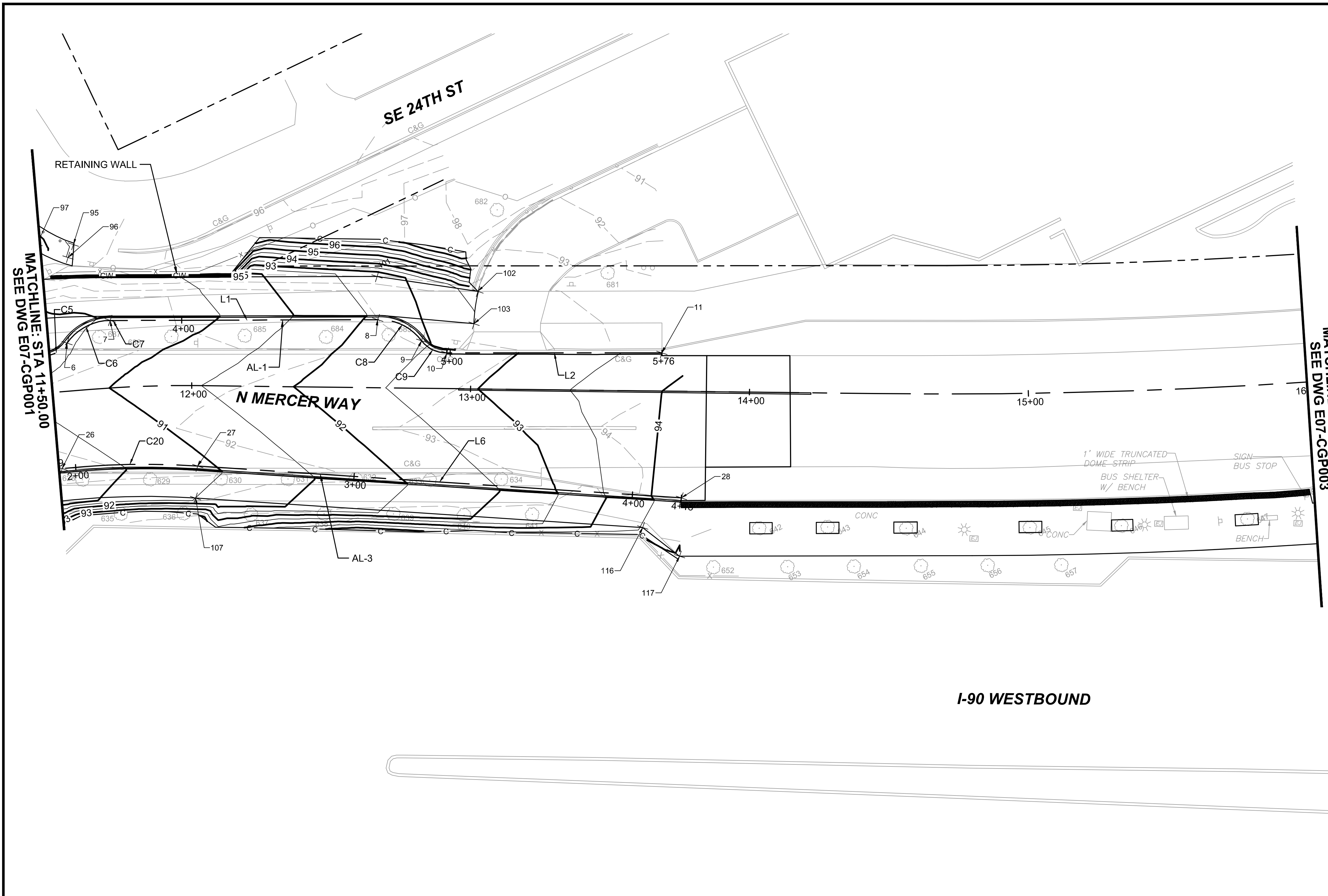
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
GRADING PLAN

DRAWING No.:
E07-CGP001
LOCATION ID:
E07
SHEET No.:
26 OF 104
REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

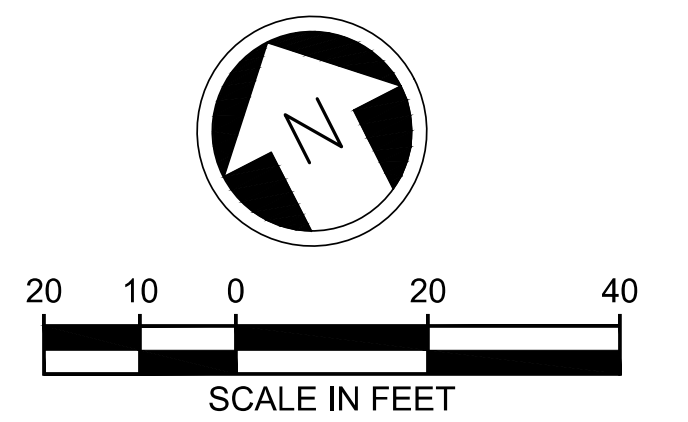
SUBMITTED BY:
A. WILEN
DATE:
12/11/2020

REVIEWED BY:
M. LU
DATE:
12/11/2020



- GENERAL NOTES:**
1. ALIGNMENT DATA TABLE LENGTH AND RADIUS UNITS OF MEASURE ARE IN FEET.
 2. SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
 3. SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
 4. CURB ALIGNMENT LOCATIONS ARE 1' OFFSET FROM FACE OF CURB.
 5. SEE DRAWING NOS. E07-CGS001 TO E07-CGS002 FOR ROUNDABOUT AND 80TH AVE SE GRADING POINT TABLES.
 6. SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND PLAN.
 7. SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
 8. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
 9. SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.

I-90 WESTBOUND



12/11/20 1:17 PM | OXA P:\S\TRA\0000087\0400CAD\TTS\0001\005.DWG

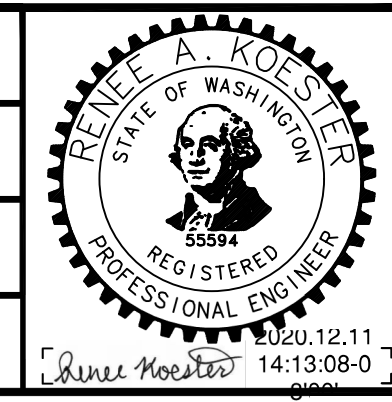
ISSUED FOR BID

DESIGNED BY:
R. KOESTER

DRAWN BY:
O. AHRENSFELD

CHECKED BY:
M. FELIBERTI

APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'

FILENAME:
E135-E07-CGP001-005

CONTRACT No.:
RTA/AE 0072-19

DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

GRADING PLAN

DRAWING No.:
E07-CGP002

LOCATION ID:
E07

SHEET No.:
27 OF 104

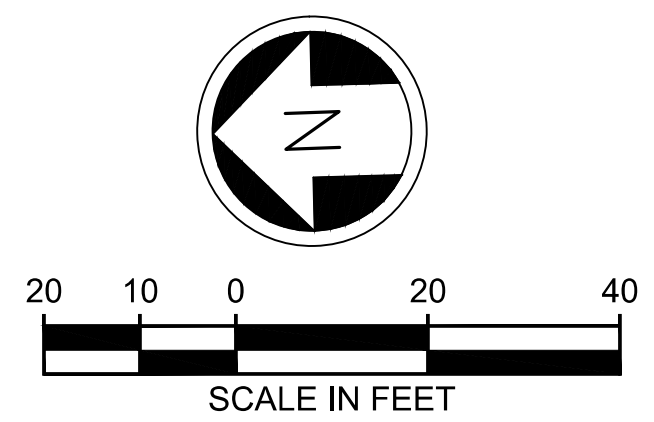
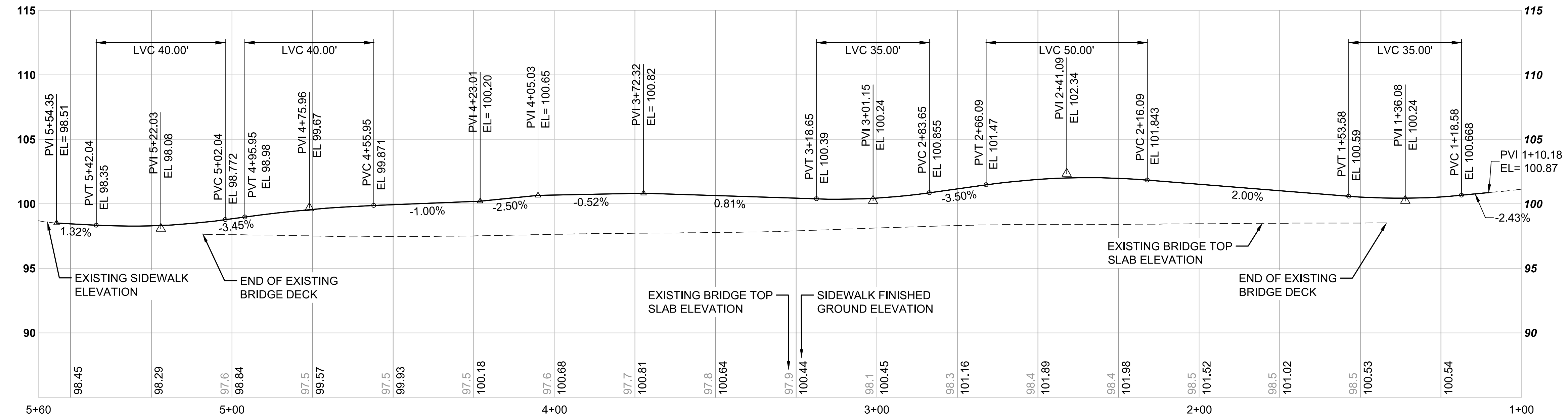
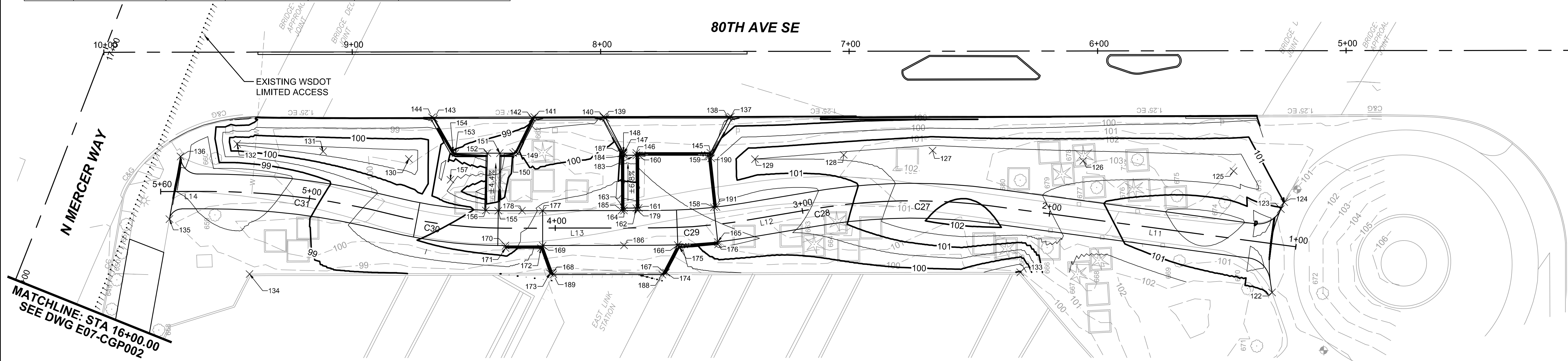
REV:
0

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

| 80TH SWLK (ALIGNMENT DATA) | | | | | | |
|----------------------------|------------------|------------|----------------|--------|--------|----------------------|
| NUMBER | PC/BEGIN STATION | PI STATION | PT/END STATION | LENGTH | RADIUS | LINE DIRECTION/DELTA |
| L11 | 1+00.00 | N/A | 2+23.49 | 123.49 | N/A | N09° 03' 30"E |
| C27 | 2+23.49 | 2+56.65 | 2+89.38 | 65.89 | 240.00 | 015°43'49" |
| C28 | 2+89.38 | 2+92.44 | 2+95.49 | 6.11 | 240.00 | 001°27'31" |
| L12 | 2+95.49 | N/A | 3+22.47 | 26.98 | N/A | N08° 07' 50"W |
| C29 | 3+22.47 | 3+41.07 | 3+59.59 | 37.12 | 225.00 | 009°27'06" |
| L13 | 3+59.59 | N/A | 4+20.01 | 60.42 | N/A | N01° 19' 16"E |
| C30 | 4+20.01 | 4+43.68 | 4+67.11 | 47.10 | 190.00 | 014°12'13" |
| C31 | 4+67.11 | 5+04.43 | 5+41.36 | 74.25 | 300.00 | 014°10'51" |
| L14 | 5+41.36 | N/A | 5+60.00 | 18.64 | N/A | N01° 20' 38"E |

GENERAL NOTES:

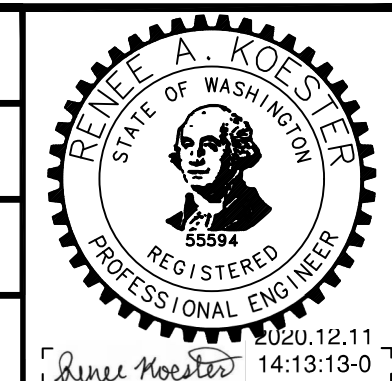
- ALIGNMENT DATA TABLE LENGTH AND RADIUS UNITS OF MEASURE ARE IN FEET.
- SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
- SEE DRAWING NOS. E07-CGP004 TO E07-CGP005 FOR ROUNDABOUT AND 80TH AVE SE GRADING POINT TABLES.
- SEE DRAWING NO. E07-CRP004 FOR TRAFFIC ISLAND PLAN.
- SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.



12/11/20 1:17 PM | OXA P:\S\TRA0000087\0400CAD\TTS\0001\005.DWG

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY

SUBMITTED BY:
A. WILEN
DATE:
12/11/2020

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

REVIEWED BY:
M. LU
DATE:
12/11/2020

SCALE:
1" = 20'
FILENAME:
E135-E07-CGP001-005
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

GRADING PLAN

DRAWING No.:
E07-CGP003
LOCATION ID:
E07
SHEET No.:
28 OF 104
REV:
0

ROUNDAABOUT GRADING POINT TABLE table with 5 columns: Point #, Raw Description, Elevation, Northing, Easting. Rows 1-43.

ROUNDAABOUT GRADING POINT TABLE table with 5 columns: Point #, Raw Description, Elevation, Northing, Easting. Rows 44-86.

ROUNDAABOUT GRADING POINT TABLE table with 5 columns: Point #, Raw Description, Elevation, Northing, Easting. Rows 87-200.

GENERAL NOTES:

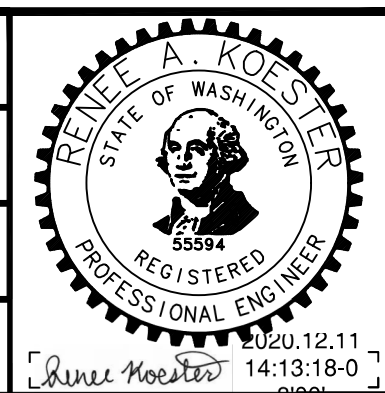
- 1. SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDAABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
2. SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
2. SEE DRAWING NO. E07-CGS002 FOR 80TH AVE SE GRADING POINT TABLES.
3. SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
4. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
5. SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.

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ISSUED FOR BID

Table with columns: No., DATE, DSN, CHK, APP, REVISION.

DESIGNED BY: R. KOESTER
DRAWN BY: Q. AHRENSFELD
CHECKED BY: M. FELIBERTI
APPROVED BY: A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
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LINE IS 1" AT FULL SCALE



SCALE: NTS
FILENAME: E135-E07-CGP001-005
CONTRACT No.: RTA/AE 0072-19

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
GRADING POINT TABLES

DRAWING No.: E07-CGS001
LOCATION ID: E07
SHEET No.: 29 OF 104
REV: 0

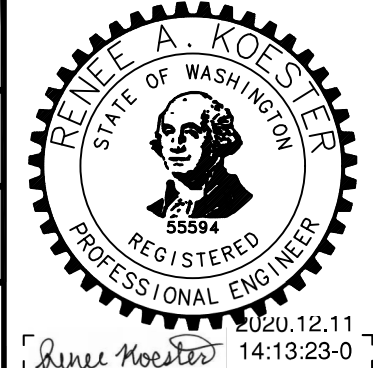

| 80TH AVE SE GRADING POINT TABLE | | | | |
|---------------------------------|------------------------------------|-----------|-----------|------------|
| Point # | Raw Description | Elevation | Northing | Easting |
| 122 | BEGIN SIDEWALK | 100.96 | 217289.74 | 1295249.87 |
| 123 | BEGIN SIDEWALK | 101.01 | 217285.41 | 1295283.28 |
| 124 | BEGIN SIDEWALK | 101.00 | 217284.01 | 1295286.05 |
| 125 | TOP LANDSCAPE | 102.00 | 217304.01 | 1295299.06 |
| 126 | TOP LANDSCAPE | 101.90 | 217364.46 | 1295304.69 |
| 127 | TOP LANDSCAPE | 101.80 | 217424.91 | 1295310.31 |
| 128 | TOP LANDSCAPE | 101.65 | 217460.69 | 1295309.49 |
| 129 | TOP LANDSCAPE | 101.50 | 217496.48 | 1295308.67 |
| 130 | TOP LANDSCAPE | 100.91 | 217635.69 | 1295312.19 |
| 131 | TOP LANDSCAPE | 100.75 | 217670.15 | 1295316.04 |
| 132 | TOP LANDSCAPE | 100.54 | 217704.61 | 1295319.89 |
| 133 | LANDSCAPE AT BARRIER | 98.94 | 217390.86 | 1295260.51 |
| 134 | LANDSCAPE AT BARRIER | 98.90 | 217700.95 | 1295267.50 |
| 135 | END SIDEWALK | 98.79 | 217732.64 | 1295290.39 |
| 136 | END SIDEWALK | 98.71 | 217727.55 | 1295315.47 |
| 137 | FL/PC CURB | 98.72 | 217505.72 | 1295325.96 |
| 138 | TOC/PT CURB | 99.22 | 217506.66 | 1295325.48 |
| 139 | TOC/PC CURB | 99.07 | 217556.14 | 1295326.65 |
| 140 | FL/PT CURB | 98.57 | 217557.00 | 1295327.17 |
| 141 | FL/PC CURB | 98.50 | 217584.78 | 1295327.79 |
| 142 | TOC/PT CURB | 98.97 | 217585.66 | 1295327.31 |
| 143 | TOC/PC CURB | 98.79 | 217625.11 | 1295328.17 |
| 144 | FL/PT CURB | 98.31 | 217625.97 | 1295328.70 |
| 145 | DWY AT CURB WALL | 99.33 | 217514.29 | 1295311.65 |
| 146 | DWY/SWLK AT CURB WALL | 99.26 | 217544.14 | 1295312.34 |
| 147 | DWY/SWLK AT CURB WALL | 99.24 | 217549.16 | 1295312.23 |
| 148 | DWY/PT CURB | 99.24 | 217549.27 | 1295312.70 |
| 149 | DWY/PC CURB | 99.13 | 217592.77 | 1295314.01 |
| 150 | DWY/PT CURB | 99.14 | 217593.67 | 1295313.48 |
| 151 | DWY/SWLK | 99.11 | 217599.05 | 1295313.60 |
| 152 | DWY/SWLK | 99.09 | 217604.05 | 1295313.71 |
| 153 | DWY/PC CURB | 99.03 | 217616.96 | 1295313.99 |
| 154 | DWY/PT CURB | 99.01 | 217617.82 | 1295314.52 |
| 155 | SWLK | 100.10 | 217600.26 | 1295290.47 |
| 156 | SWLK | 100.05 | 217605.25 | 1295290.73 |
| 157 | FIRE HYDRANT, MATCH EXISTING GRADE | 100.10 | 217619.19 | 1295303.41 |
| 158 | SWLK/TOP CURB WALL | 100.42 | 217513.44 | 1295289.72 |
| 159 | SWLK/TOP CURB WALL | 100.12 | 217515.22 | 1295310.67 |
| 160 | AP SWLK/TOP CURB WALL | 100.44 | 217543.14 | 1295311.34 |

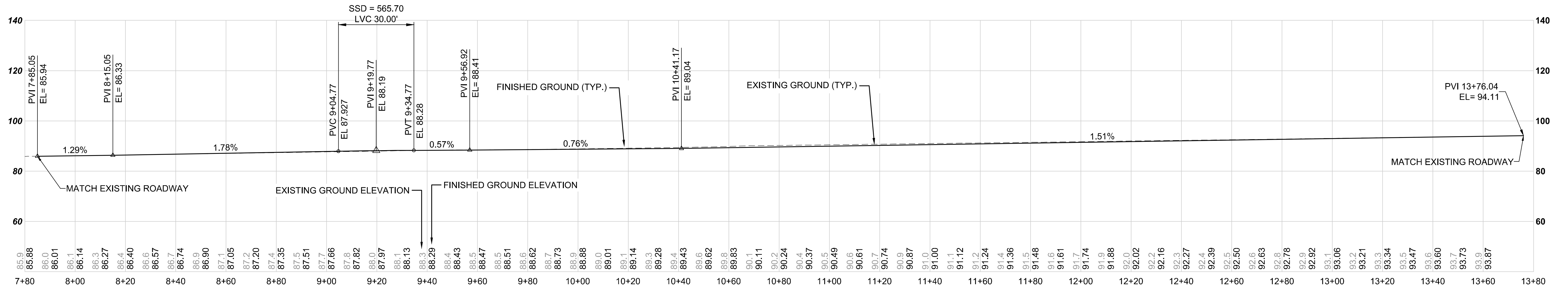
| 80TH AVE SE GRADING POINT TABLE | | | | |
|---------------------------------|--------------------------------|-----------|-----------|------------|
| Point # | Raw Description | Elevation | Northing | Easting |
| 161 | SWLK/END OF WALL | 100.69 | 217543.67 | 1295290.14 |
| 162 | SWLK GRADE BREAK/END OF WALL | 100.69 | 217544.67 | 1295290.17 |
| 163 | SWLK GRADE BREAK | 100.78 | 217549.67 | 1295290.28 |
| 164 | SWLK/TOP CURB WALL | 100.84 | 217549.69 | 1295289.28 |
| 165 | SWLK/TOP CURB WALL | 100.62 | 217512.25 | 1295275.77 |
| 166 | SWLK/TOP CURB WALL | 100.75 | 217528.35 | 1295274.96 |
| 167 | SWLK/TOP CURB WALL | 100.88 | 217534.32 | 1295264.18 |
| 168 | SWLK/TOP CURB WALL | 100.88 | 217579.03 | 1295265.02 |
| 169 | SWLK/TOP CURB WALL | 100.75 | 217582.72 | 1295276.04 |
| 170 | SWLK/TOP CURB WALL | 100.37 | 217597.70 | 1295276.39 |
| 171 | LANDSCAPE AT CURB WALL | 100.37 | 217597.72 | 1295275.39 |
| 172 | LANDSCAPE AT CURB WALL | 99.27 | 217583.44 | 1295275.06 |
| 173 | LANDSCAPE AT CURB WALL/BARRIER | 99.27 | 217580.03 | 1295264.86 |
| 174 | LANDSCAPE AT CURB WALL/BARRIER | 99.40 | 217533.32 | 1295263.91 |
| 175 | LANDSCAPE AT CURB WALL | 99.42 | 217527.76 | 1295273.97 |
| 176 | LANDSCAPE AT CURB WALL | 100.61 | 217512.17 | 1295274.77 |
| 177 | SWLK | 100.55 | 217582.39 | 1295290.04 |
| 178 | SWLK | 100.34 | 217590.71 | 1295290.23 |
| 179 | SWLK/END OF RAILING | 100.70 | 217544.20 | 1295289.16 |
| 183 | SWLK GRADE BREAK | 99.27 | 217544.18 | 1295311.36 |
| 184 | SWLK GRADE BREAK | 99.26 | 217549.18 | 1295311.48 |
| 185 | LANDSCAPE AT CURB WALL | 100.79 | 217550.69 | 1295289.31 |
| 186 | SWLK | 100.84 | 217550.02 | 1295275.29 |
| 187 | LANDSCAPE AT CURB WALL/CURB | 100.32 | 217550.16 | 1295312.26 |
| 188 | STATION ENTRANCE | 100.89 | 217534.89 | 1295263.15 |
| 189 | STATION ENTRANCE | 100.88 | 217578.78 | 1295264.27 |
| 190 | LANDSCAPE AT CURB WALL/CURB | 100.32 | 217514.11 | 1295309.43 |
| 191 | LANDSCAPE AT CURB WALL | 100.42 | 217512.45 | 1295289.81 |

GENERAL NOTES:

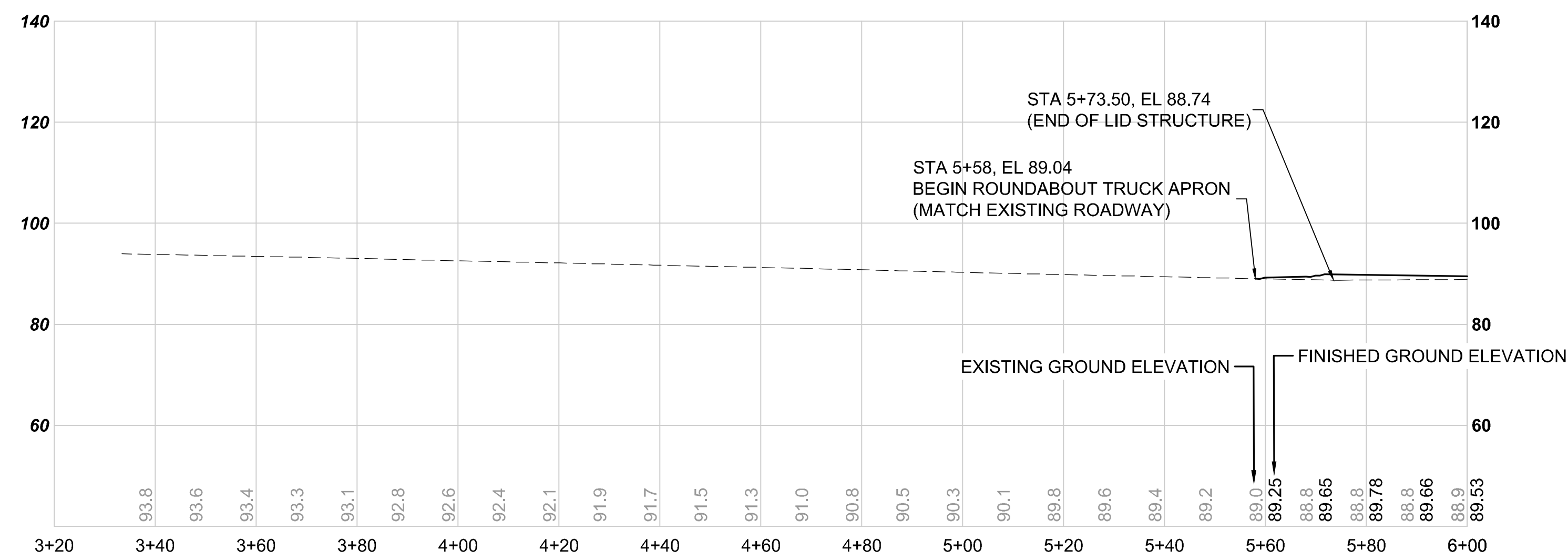
- SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
- SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
- SEE DRAWING NO. E07-CGS001 FOR ROUNDABOUT GRADING POINT TABLES.
- SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
- SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.

12/11/20 | 1:17 PM | OXA P:\S\TRA0000087\0400CAD\TTS\05-E07-CGP001-005.DWG

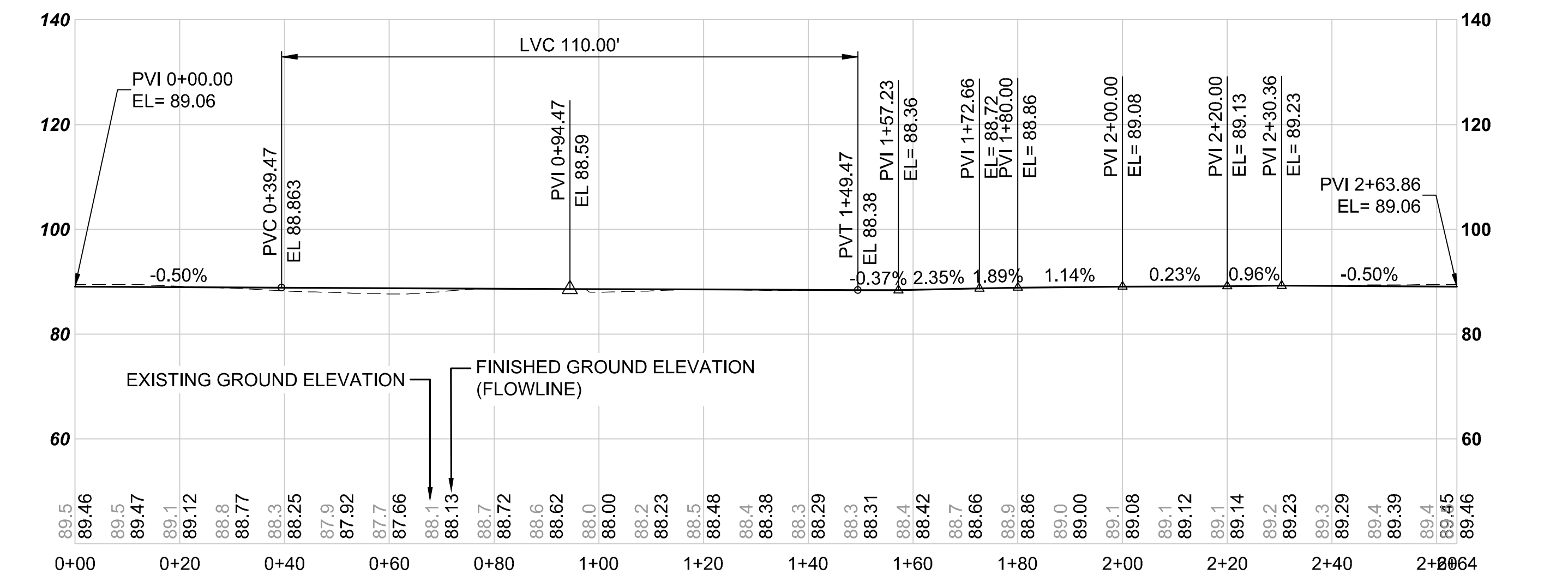
| | | | | | | | | | | | | |
|----------------|--|--|--|--|-----------------------------|---|---|---|---|----------------------------------|--|-----------------------------------|
| ISSUED FOR BID | | | | | DESIGNED BY: R. KOESTER |  |  |  |  | SCALE: NTS | EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY GRADING POINT TABLES | DRAWING No.: E07-CGS002 |
| | | | | | DRAWN BY: O. AHRENSFELD | | | | | FILENAME: E135-E07-CGP001-005 | | LOCATION ID: E07 |
| | | | | | CHECKED BY: M. FELIBERTI | | | | | CONTRACT No.: RTA/AE 0072-19 | | SHEET No.: 30 OF 104 |
| | | | | | APPROVED BY: A. WILEN | | | | | DATE: 12/11/2020 | | REV: 0 |



N. MERCER WAY CENTERLINE PROFILE



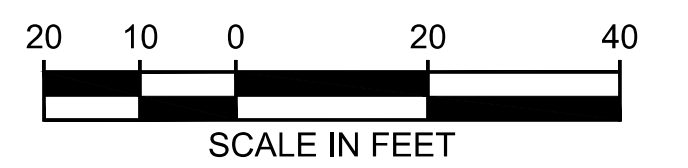
77TH AVE SE CENTERLINE PROFILE



ROUNDABOUT CENTRAL ISLAND PROFILE (AL-4)

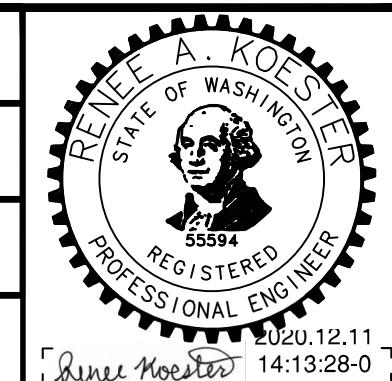
GENERAL NOTES:

1. SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
2. SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
2. SEE DRAWING NOS. E07-CGS001 TO E07-CGS002 FOR GRADING POINT TABLES.
3. SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
4. SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
5. SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-CGV001-002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
GRADING PROFILES

DRAWING No.:
E07-CGV001
LOCATION ID:
E07
SHEET No.:
31 OF 104
REV:
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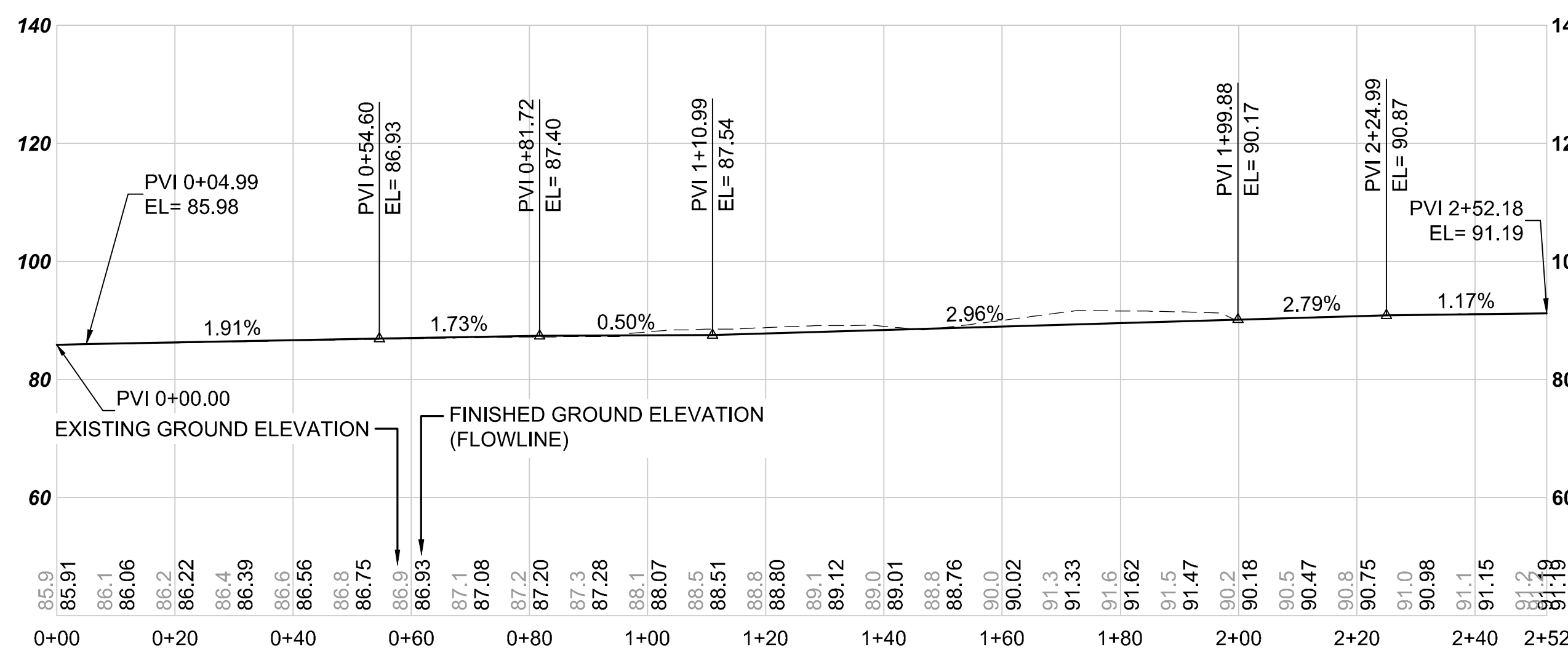
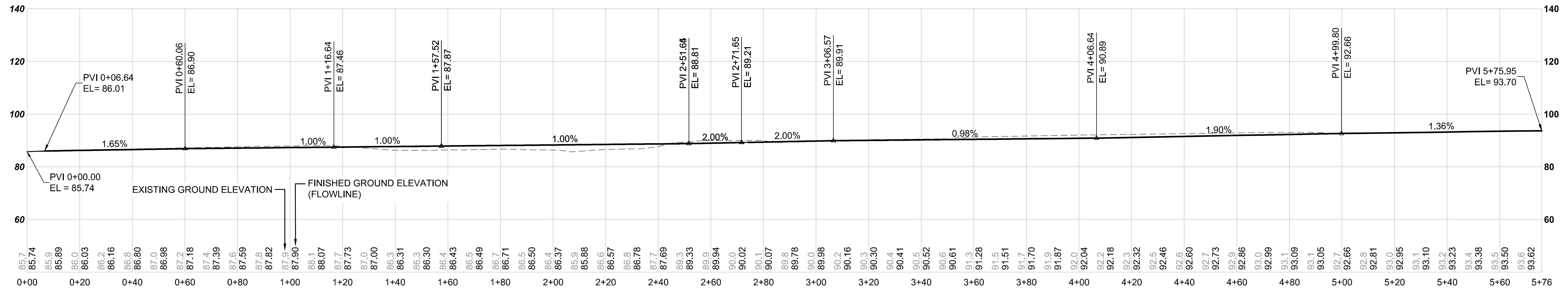
| No. | DATE | DSN | CHK | APP | REVISION |
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SUBMITTED BY:
A. WILEN

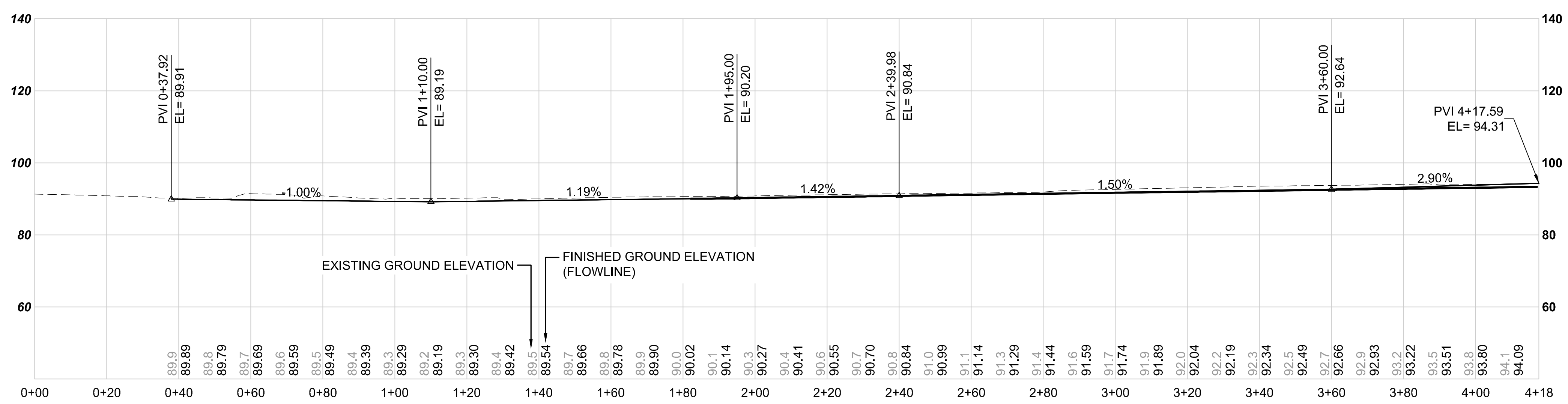
DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

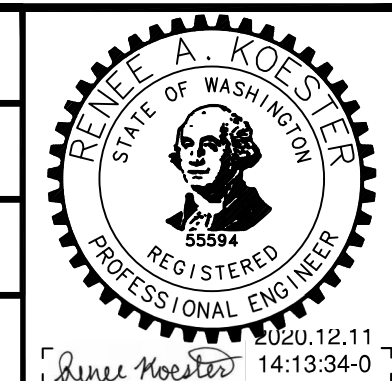


- GENERAL NOTES:**
- SEE DRAWING NOS. E07-CGP001-CGP002 FOR ROUNDABOUT GRADING POINT LAYOUT AND CURB ALIGNMENT DATA.
 - SEE DRAWING NO. E07-CGP003 FOR 80TH AVE SE GRADING POINT LAYOUT AND ALIGNMENT DATA.
 - SEE DRAWING NOS. E07-CGS001 TO E07-CGS002 FOR GRADING POINT TABLES.
 - SEE DRAWING NOS. E07-CGV001 TO E07-CGV002 FOR GRADING ALIGNMENT PROFILES.
 - SEE DRAWING NOS. E07-CRY001 TO E07-CRY003 FOR TYPICAL SECTIONS.
 - SEE DRAWING NO. E07-CAP001 FOR THE ALIGNMENT AND HORIZONTAL CONTROL PLAN.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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DATE:
12/11/2020

REVIEWED BY:
M. LU

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12/11/2020

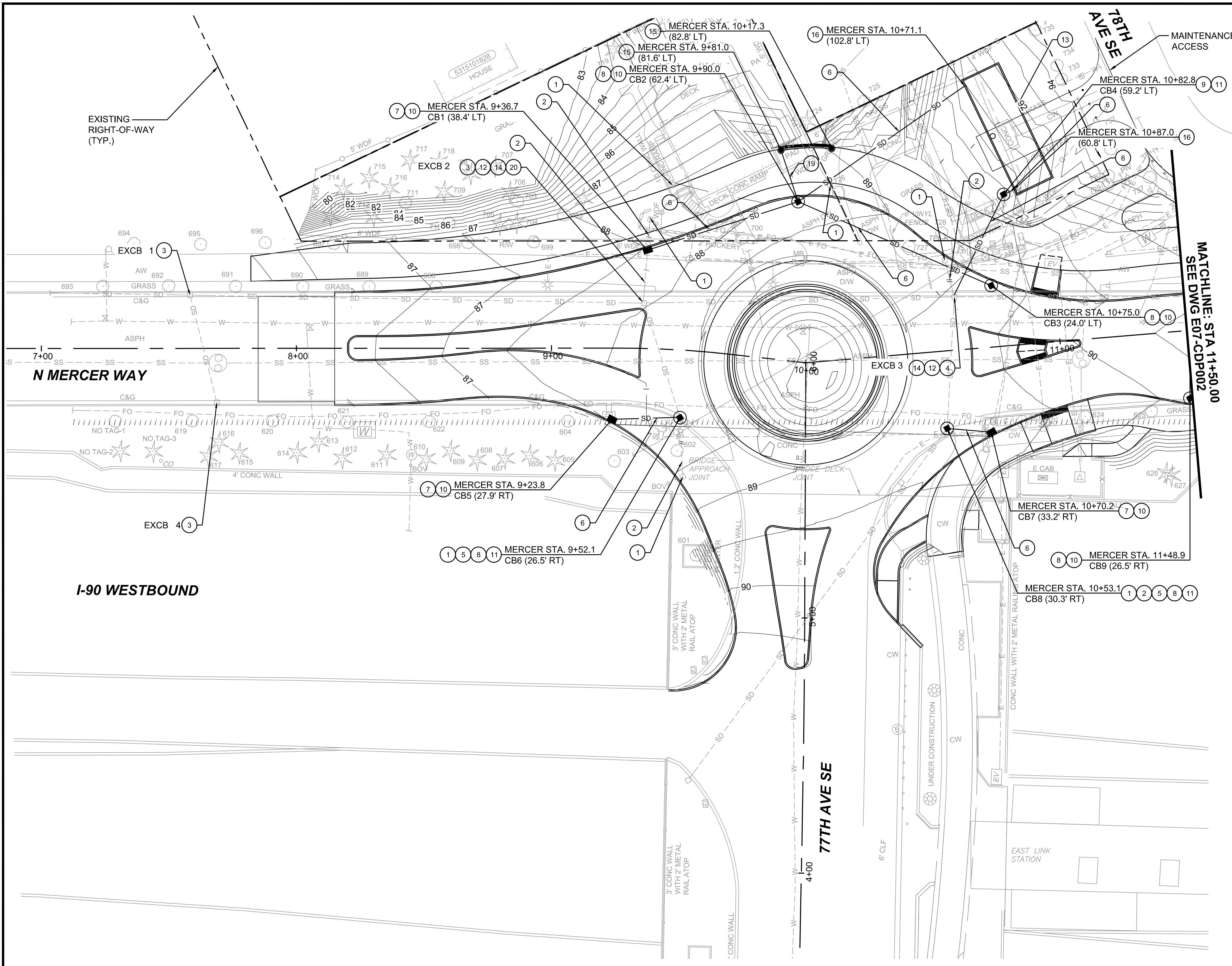


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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
GRADING PROFILES

DRAWING No.:
E07-CGV002
LOCATION ID:
E07
SHEET No.:
32 OF 104
REV:
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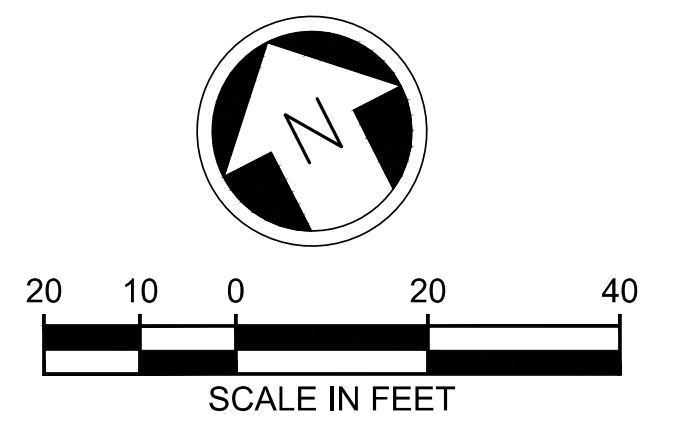


DRAINAGE NOTES:

- 1 REMOVE EXISTING STRUCTURE.
- 2 REMOVE EXISTING PIPE.
- 3 PROTECT EXISTING STRUCTURE.
- 4 CONNECT TO EXISTING STRUCTURE.
- 5 CONNECT TO EXISTING PIPE.
- 6 INSTALL SCHEDULE A STORM SEWER PIPE 12-INCH DIAM. PIPE ZONE BEDDING AND BACKFILL PER WSDOT STD PLAN B-55.20-02.
- 7 INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-02.
- 8 INSTALL CATCH BASIN TYPE 2 48 IN. DIAM. PER WSDOT STD PLAN B-10.20-02.
- 9 INSTALL CATCH BASIN TYPE 2 54 IN. DIAM. WITH FLOW RESTRICTOR PER WSDOT STD PLANS B-10.40-01 AND B-30.90-02. SEE DETAIL ON SHEET E07-CDD001.
- 10 INSTALL BOLT-DOWN RECTANGULAR VANED GRATE PER WSDOT STD PLANS B-30.30-03 AND B-30.10-03.
- 11 INSTALL BOLT-DOWN CIRCULAR FRAME AND COVER PER WSDOT STANDARD PLAN B-30.70-04.
- 12 ADJUST EXISTING STRUCTURE TO GRADE.
- 13 INSTALL FLOW CONTROL STRUCTURE. SEE DETAIL ON SHEET E07-CDD001.
- 14 INSTALL BOLT-DOWN RECTANGULAR SOLID METAL COVER PER WSDOT STD PLANS B-30.20-04 AND B-30.10-03.
- 15 INSTALL 6-INCH DIAMETER UNDERDRAIN WITH CLEANOUTS WHERE SHOWN. SEE DETAIL ON SHEET E07-CDD002.
- 16 CONNECT PIPE TO DETENTION VAULT
- 19 INSTALL 6-INCH DRAIN PIPE. PIPE ZONE BEDDING AND BACKFILL PER WSDOT STD PLAN B-55.20-02.
- 20 PLUG HOLE IN EXISTING STRUCTURE.

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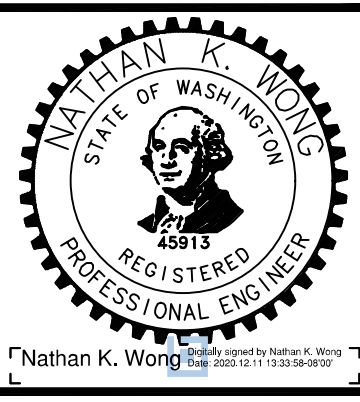
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- CB TYPE 2
- STORM DRAIN PIPE
- REMOVE EX. FEATURE
- UNDERDRAIN PIPE
- CLEANOUT
- YARD DRAIN



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ISSUED FOR BID

DESIGNED BY:
N. WONG
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



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REVIEWED BY:
M. LU

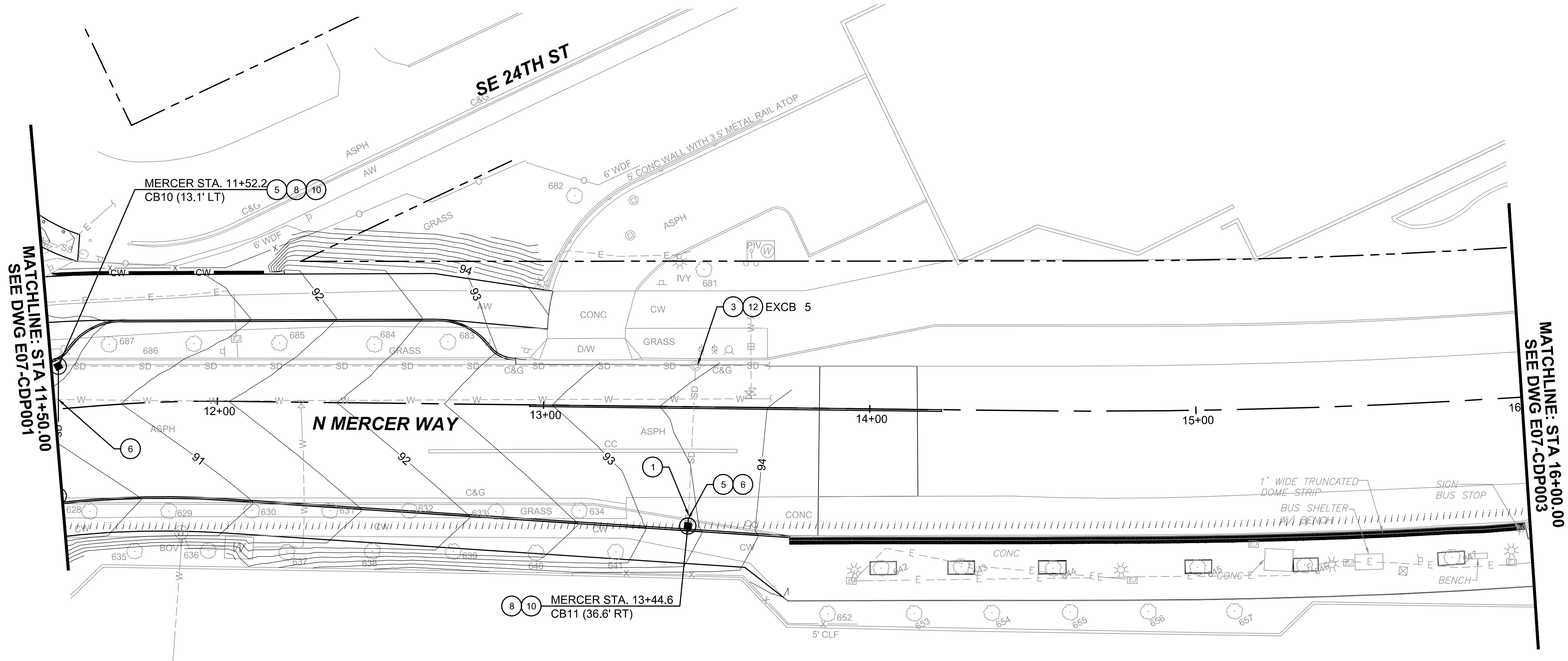
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PLAN

DRAWING No.:
E07-CDP001
LOCATION ID:
E07
SHEET No.:
33 OF 104
REV:
0

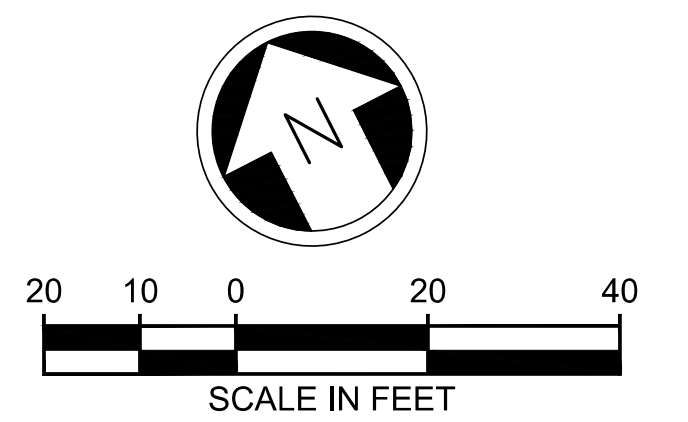


DRAINAGE NOTES:

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- 3 PROTECT EXISTING STRUCTURE.
- 5 CONNECT TO EXISTING PIPE.
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- 12 ADJUST EXISTING STRUCTURE TO GRADE.

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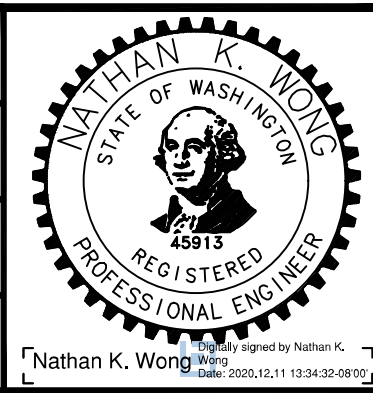
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- CB TYPE 2
- SD— STORM DRAIN PIPE
- /// REMOVE EX. FEATURE
- UD— UNDERDRAIN PIPE
- CLEANOUT
- YARD DRAIN



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ISSUED FOR BID

DESIGNED BY:
N. WONG
DRAWN BY:
O. AHRENSFELD
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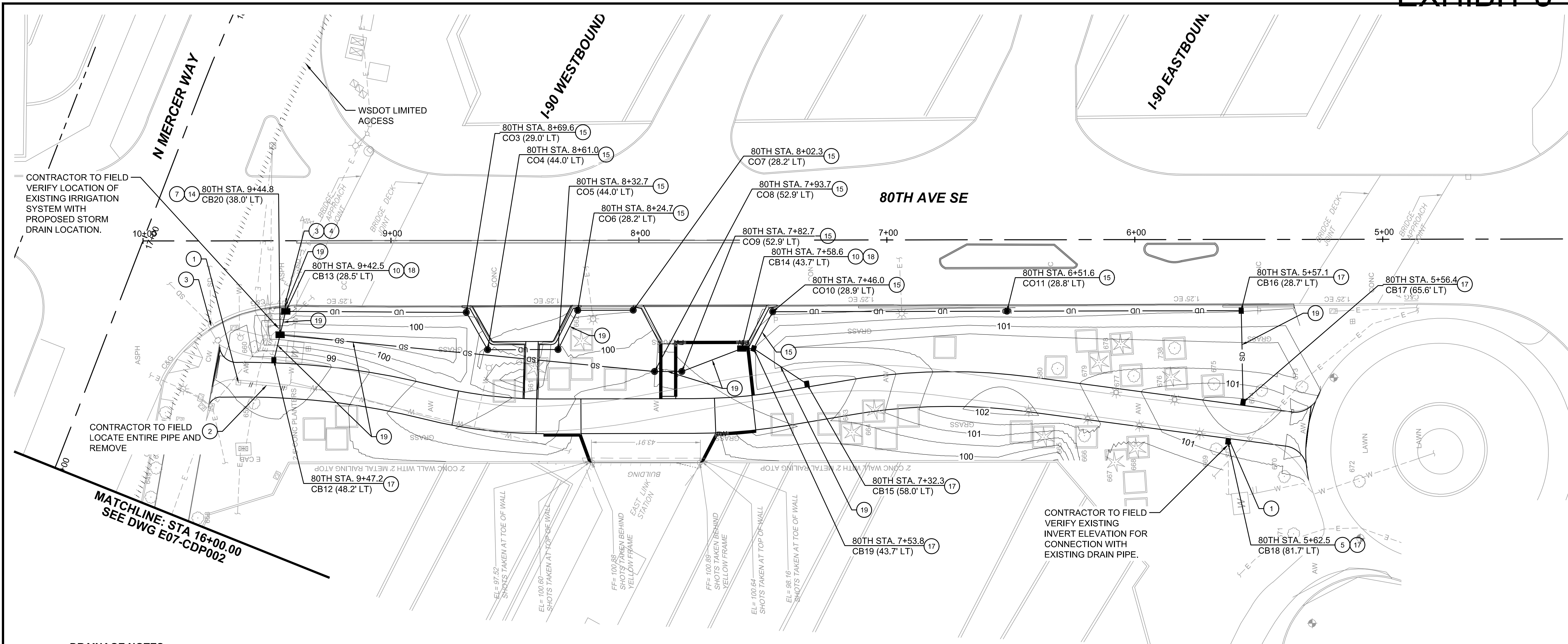


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EAST LINK PROJECT
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PLAN

DRAWING No.:
E07-CDP002
LOCATION ID:
E07
SHEET No.:
34 OF 104
REV:
0

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

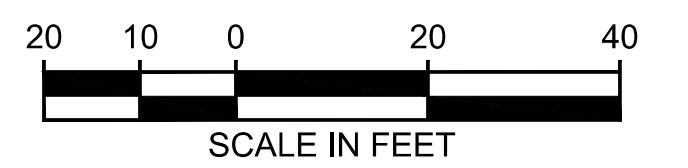
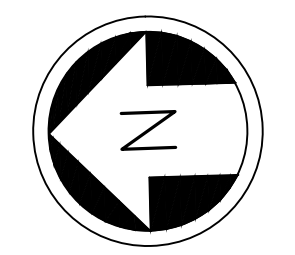


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- 14 INSTALL BOLT-DOWN RECTANGULAR SOLID METAL COVER PER WSDOT STD PLANS B-30.20-04 AND B-30.10-03.
- 15 INSTALL 6-INCH DIAMETER UNDERDRAIN WITH CLEANOUTS WHERE SHOWN. SEE DETAIL ON SHEET E07-CDD002.
- 17 INSTALL YARD DRAIN WITH GRATE.
- 18 INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-02.
- 19 INSTALL 6-INCH DRAIN PIPE. PIPE ZONE BEDDING AND BACKFILL PER WSDOT STD PLAN B-55.20-02.

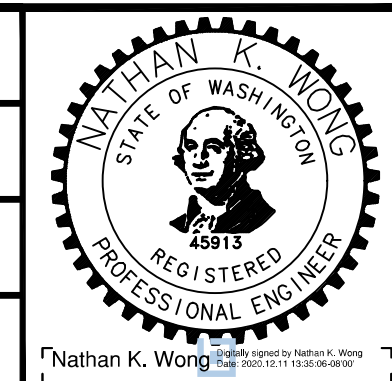
LEGEND:

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- CB TYPE 2
- SD— STORM DRAIN PIPE
- /// // REMOVE EX. FEATURE
- UD— UNDERDRAIN PIPE
- CLEANOUT
- YARD DRAIN



ISSUED FOR BID

DESIGNED BY:
N. WONG
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



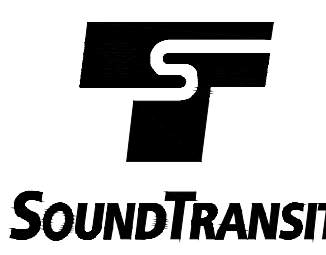
DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE

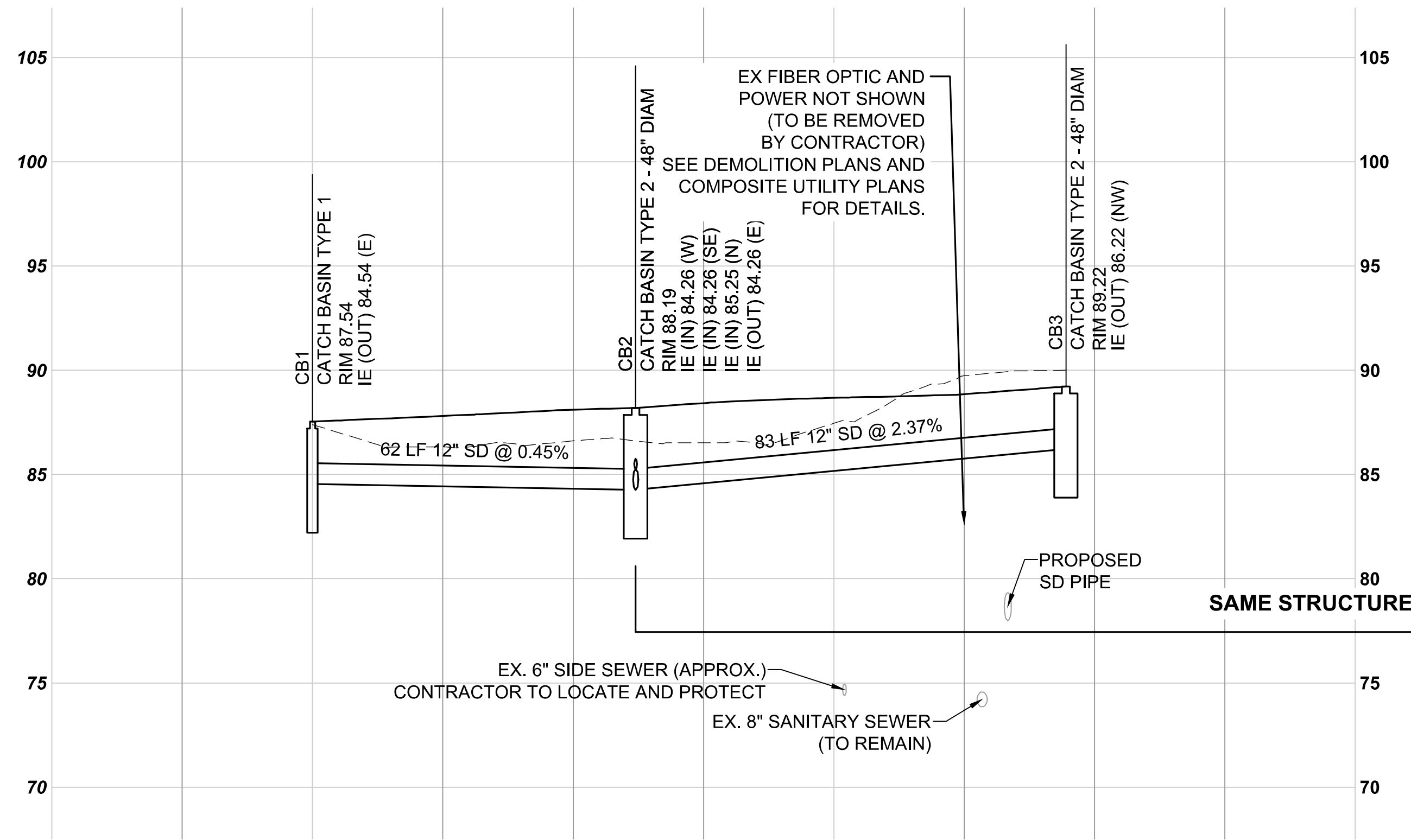


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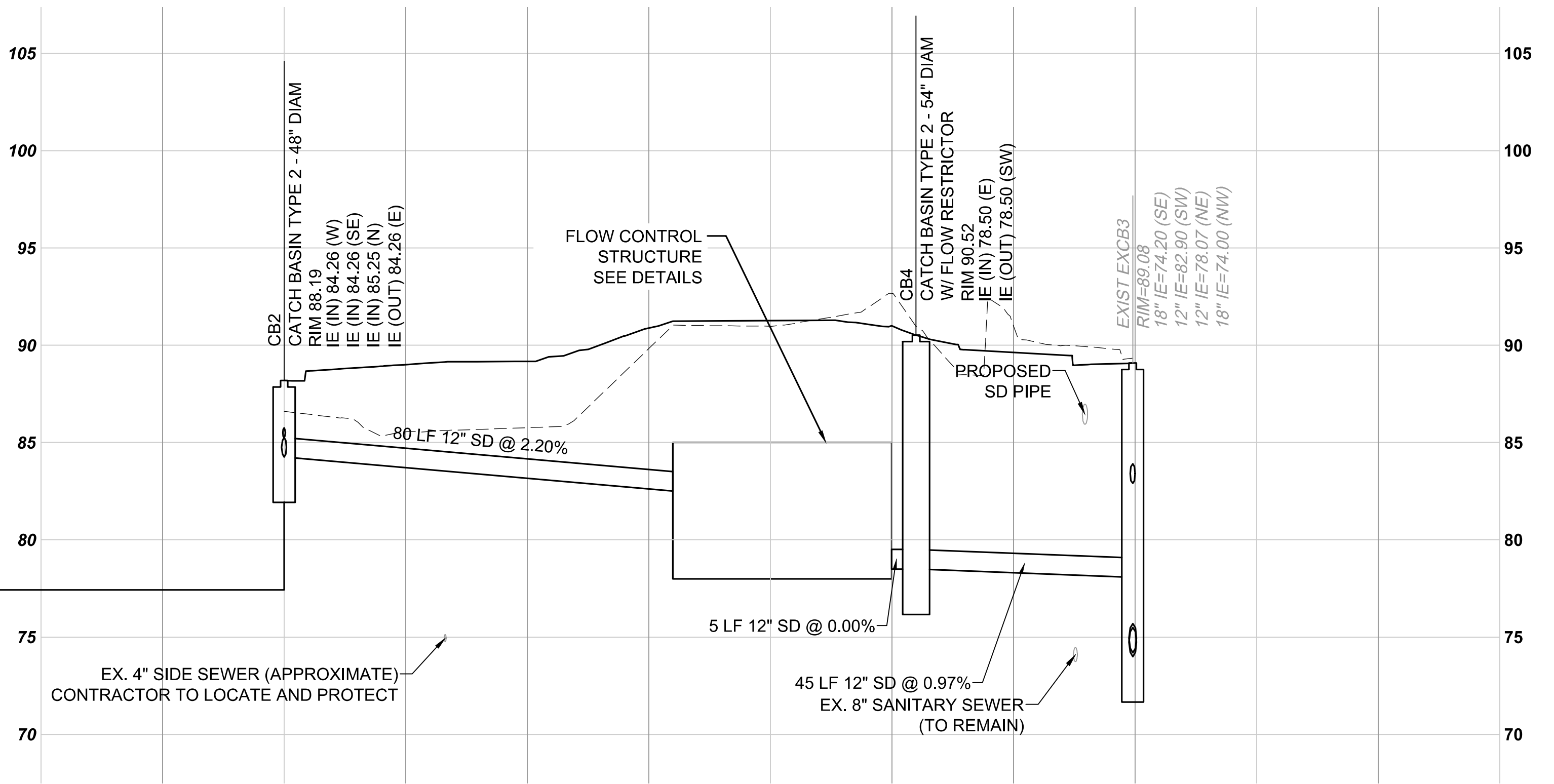
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PLAN

DRAWING No.:
E07-CDP003
LOCATION ID:
E07
SHEET No.:
35 OF 104
REV:
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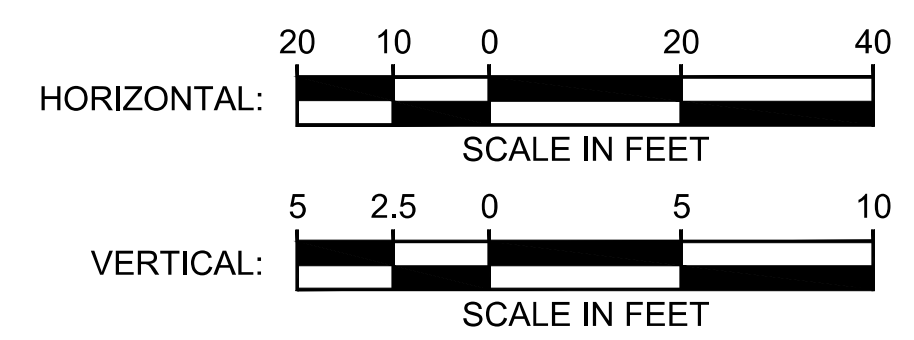
STORM DRAINAGE PROFILE (CB1-CB3)



STORM DRAINAGE PROFILE (CB2-CB4)

NOTE:

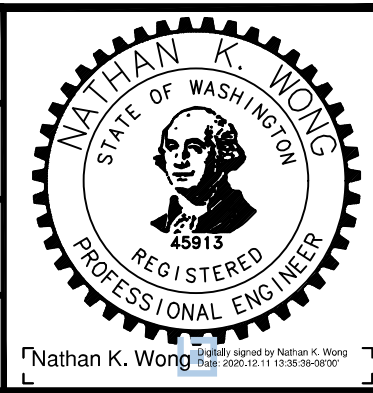
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2. EXISTING SIDE SEWER ELEVATION UNKNOWN. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION ACTIVITIES.



12/11/20 1:01 PM | OXA P:\S\TRA0000087\0400CAD\TTS\HEETS\15-E07-CDV001-003.DWG

ISSUED FOR BID

DESIGNED BY:
N. WONG
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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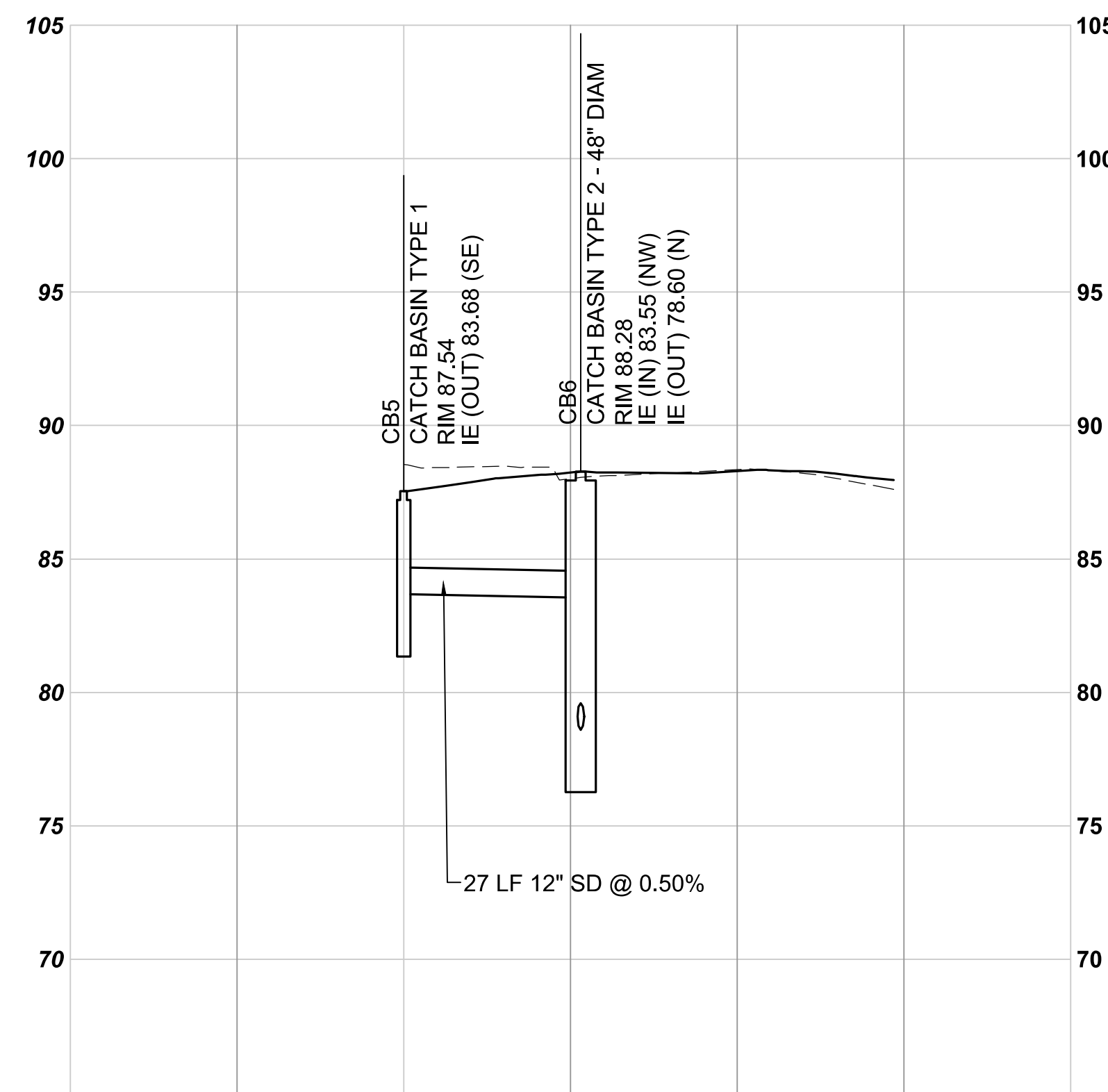
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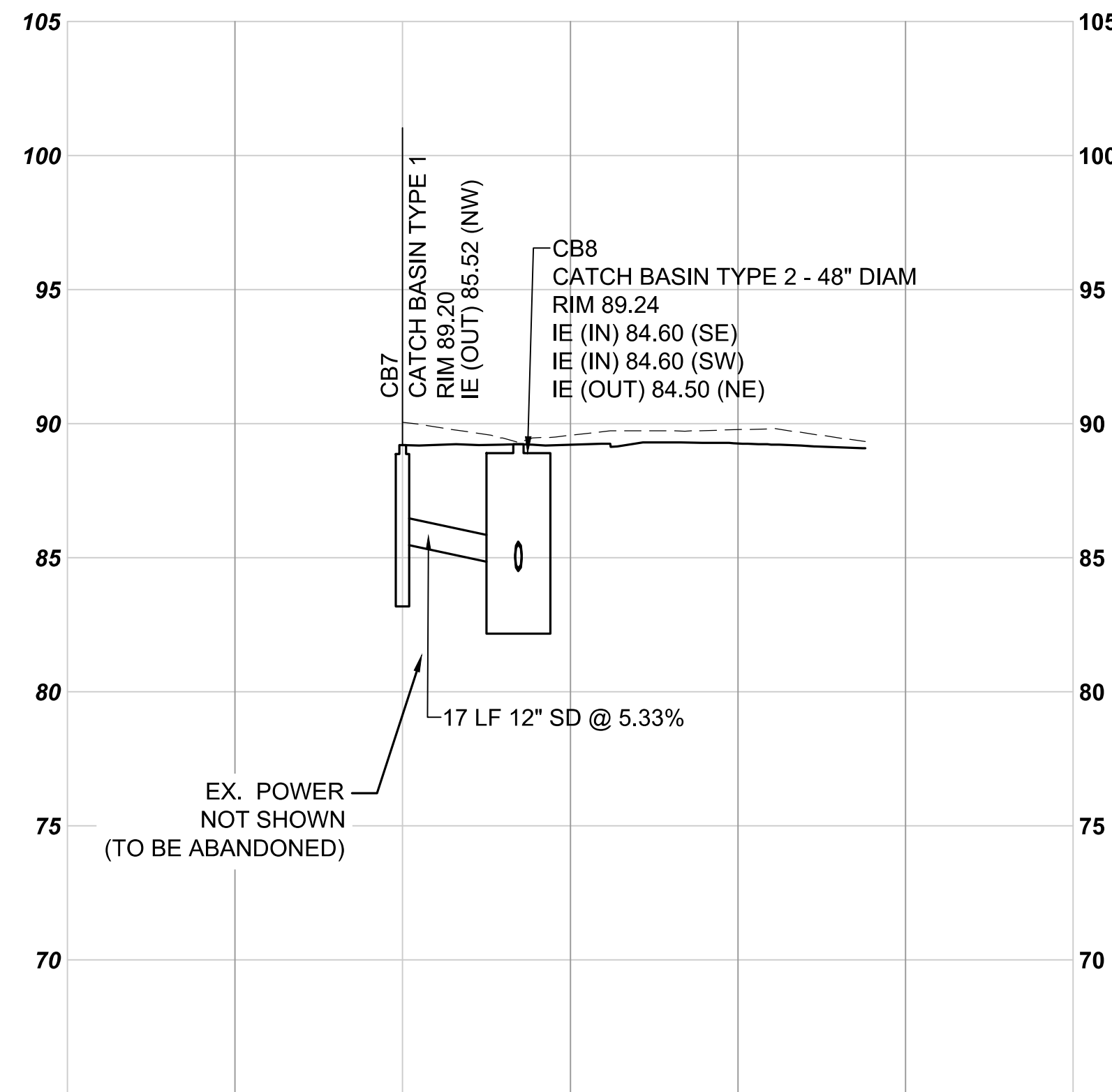
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H: 1" = 20' V: 1" = 5'
FILENAME:
E135-E07-CDV001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PROFILES

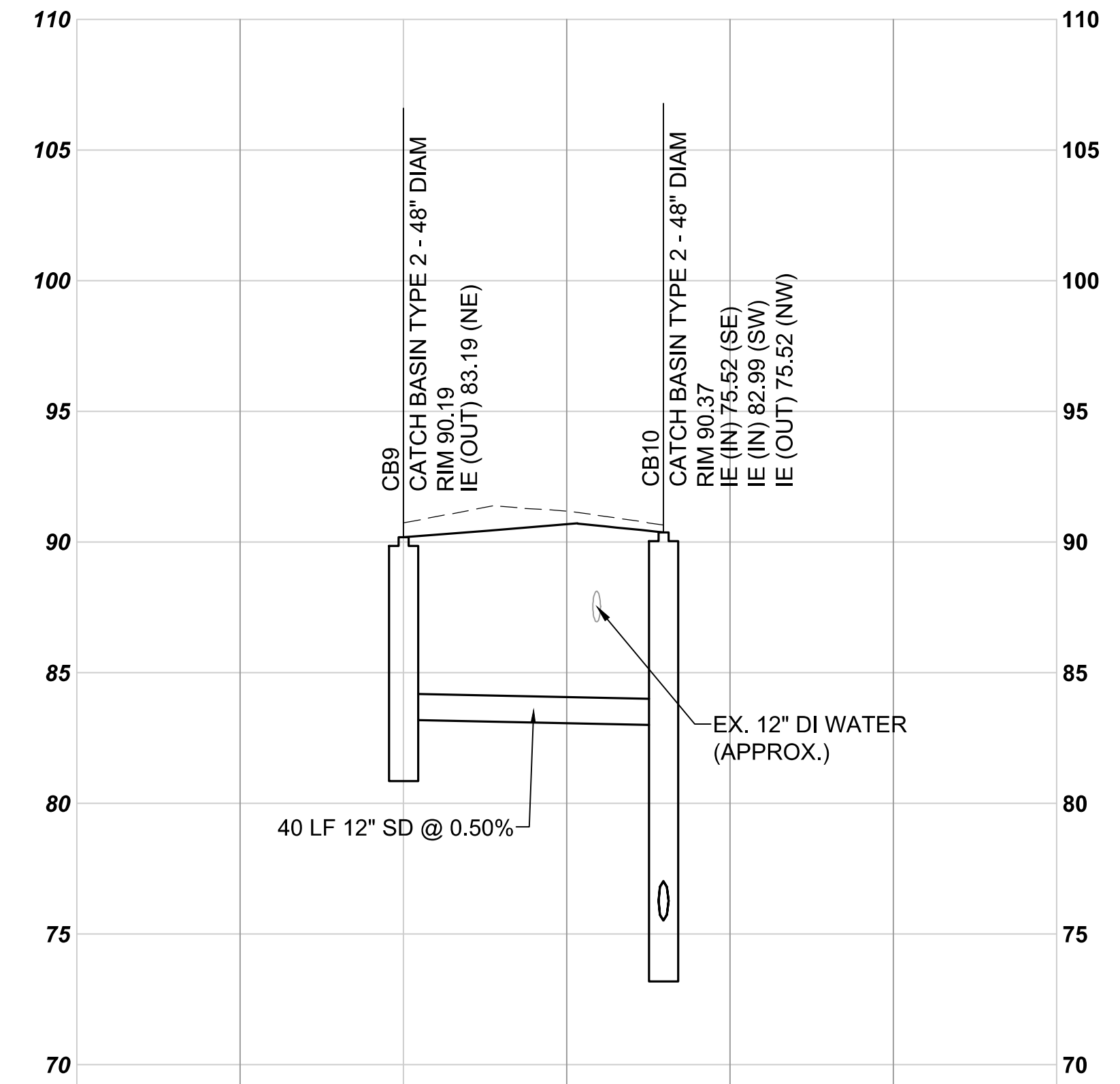
DRAWING No.:
E07-CDV001
LOCATION ID:
E07
SHEET No.:
36 OF 104
REV:
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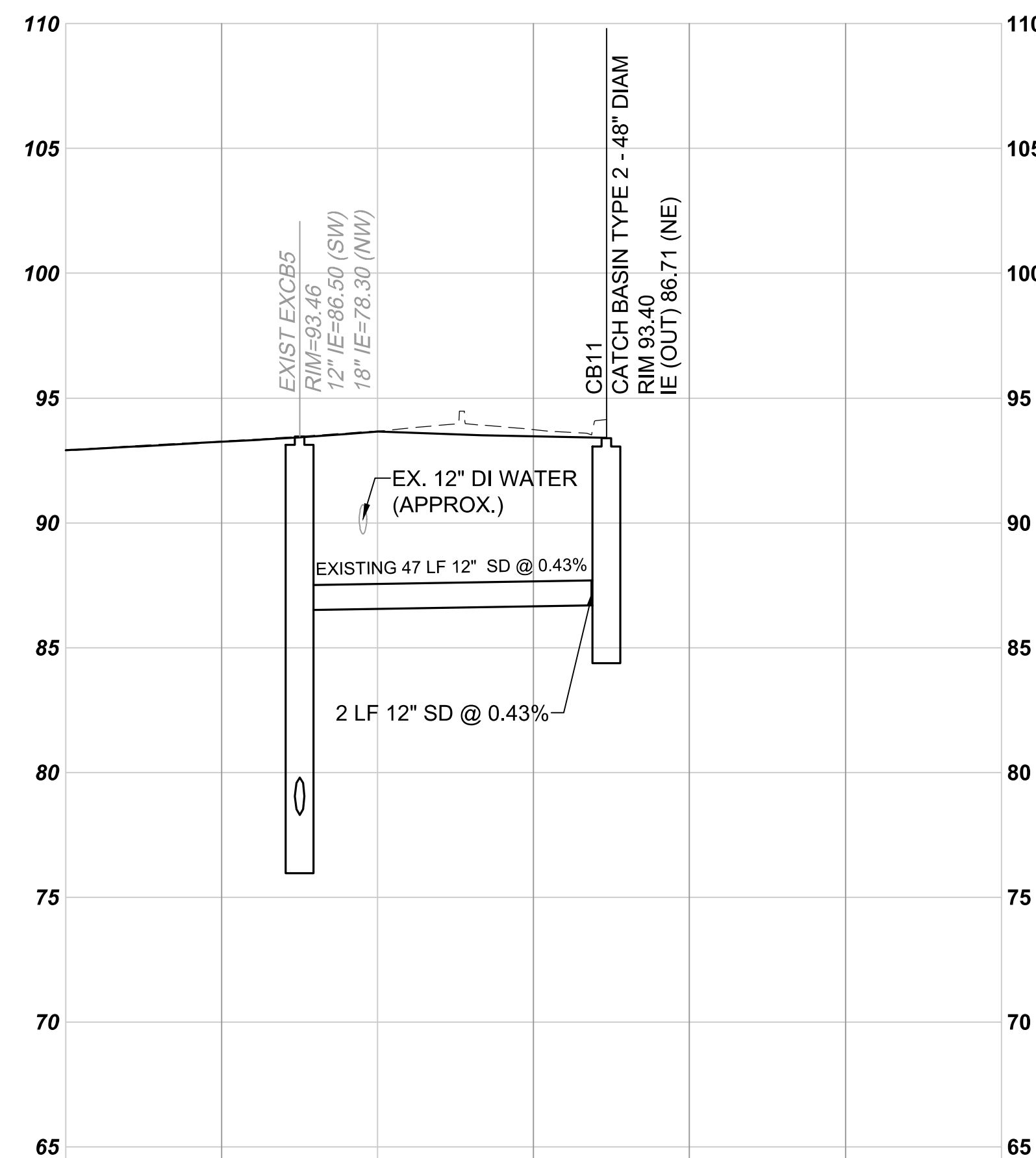
STORM DRAINAGE PROFILE (CB5-CB6)



STORM DRAINAGE PROFILE (CB7-CB8)



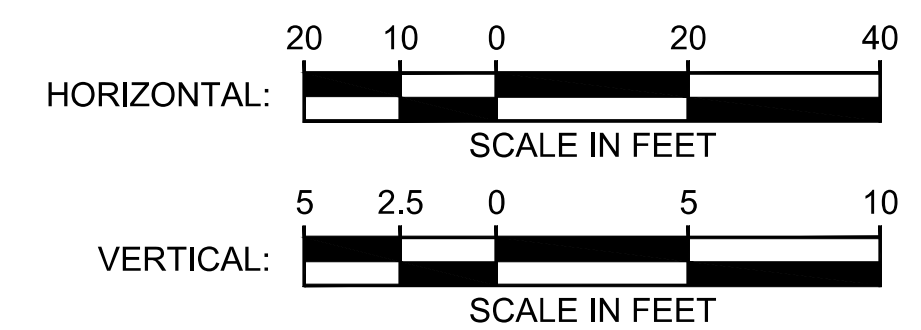
STORM DRAINAGE PROFILE (CB9-CB10)



STORM DRAINAGE PROFILE (EX. CB-CB11)

NOTE:

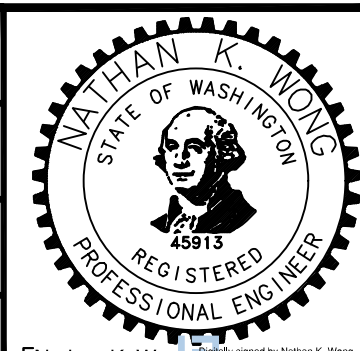
- UTILITY CROSSINGS SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO CONFLICTS EXIST BETWEEN STORM DRAINAGE FACILITIES AND PROPOSED OR EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- EXISTING SIDE SEWER ELEVATION UNKNOWN. CONTRACTOR



12/11/20 1:01 PM | OXA P:\S\TRA0000087\0400CAD\TTS\HEETS\135-E07-CDV001-003.DWG

ISSUED FOR BID

DESIGNED BY:
N. WONG
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O. AHRENSFELD
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PROFILES

DRAWING No.:
E07-CDV002
LOCATION ID:
E07
SHEET No.: 37 OF 104
REV: 0

SUBMITTED BY:
A. WILEN

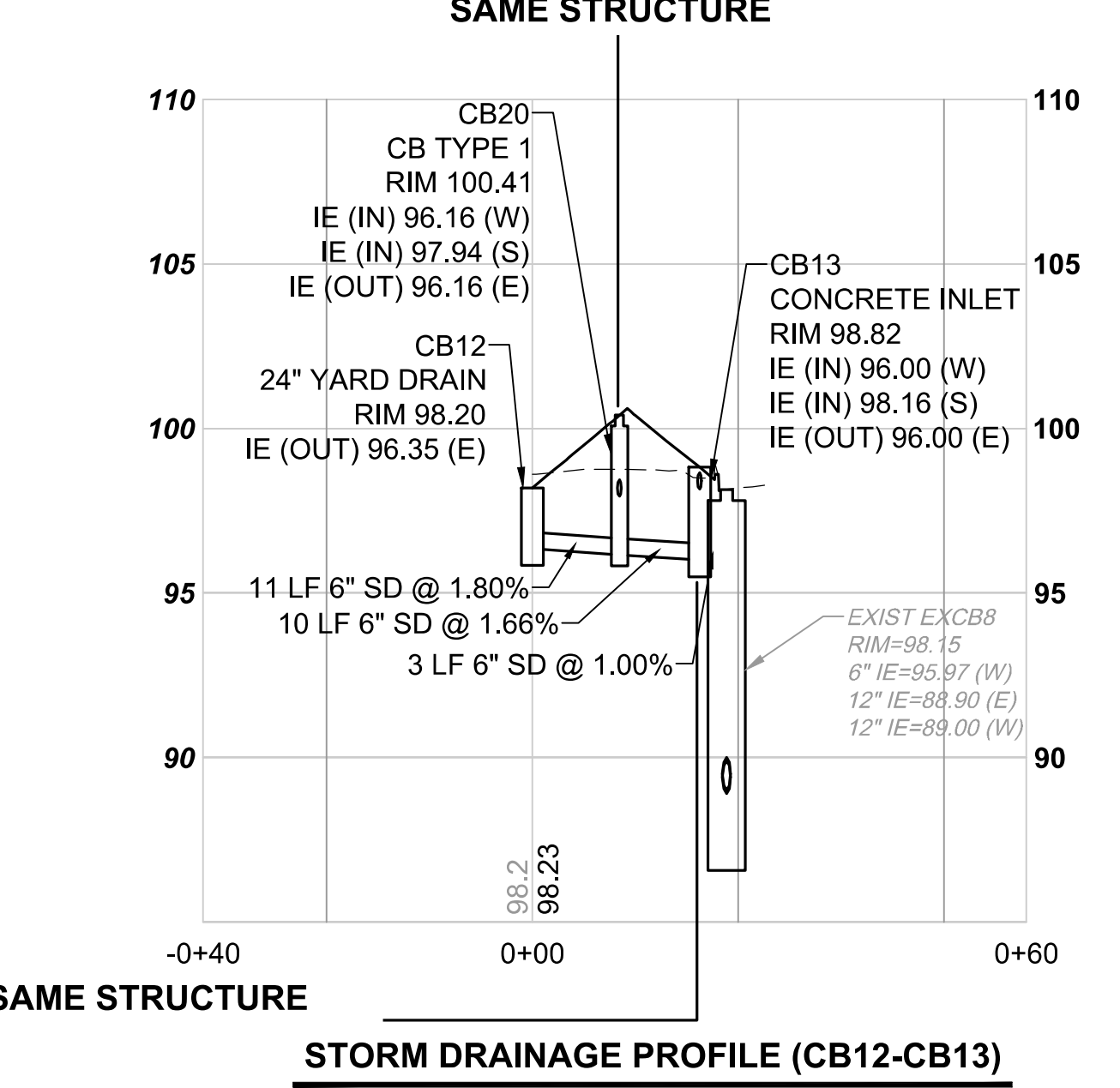
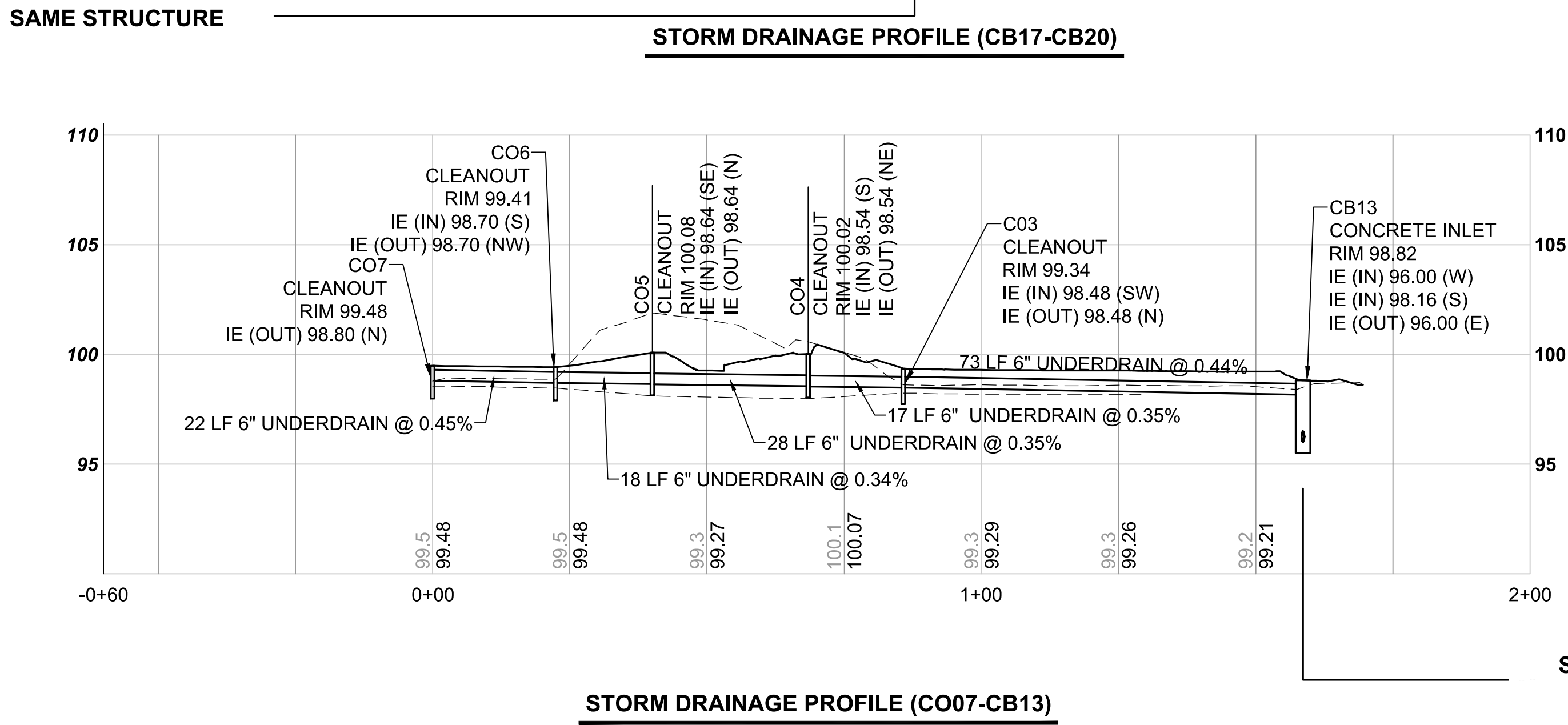
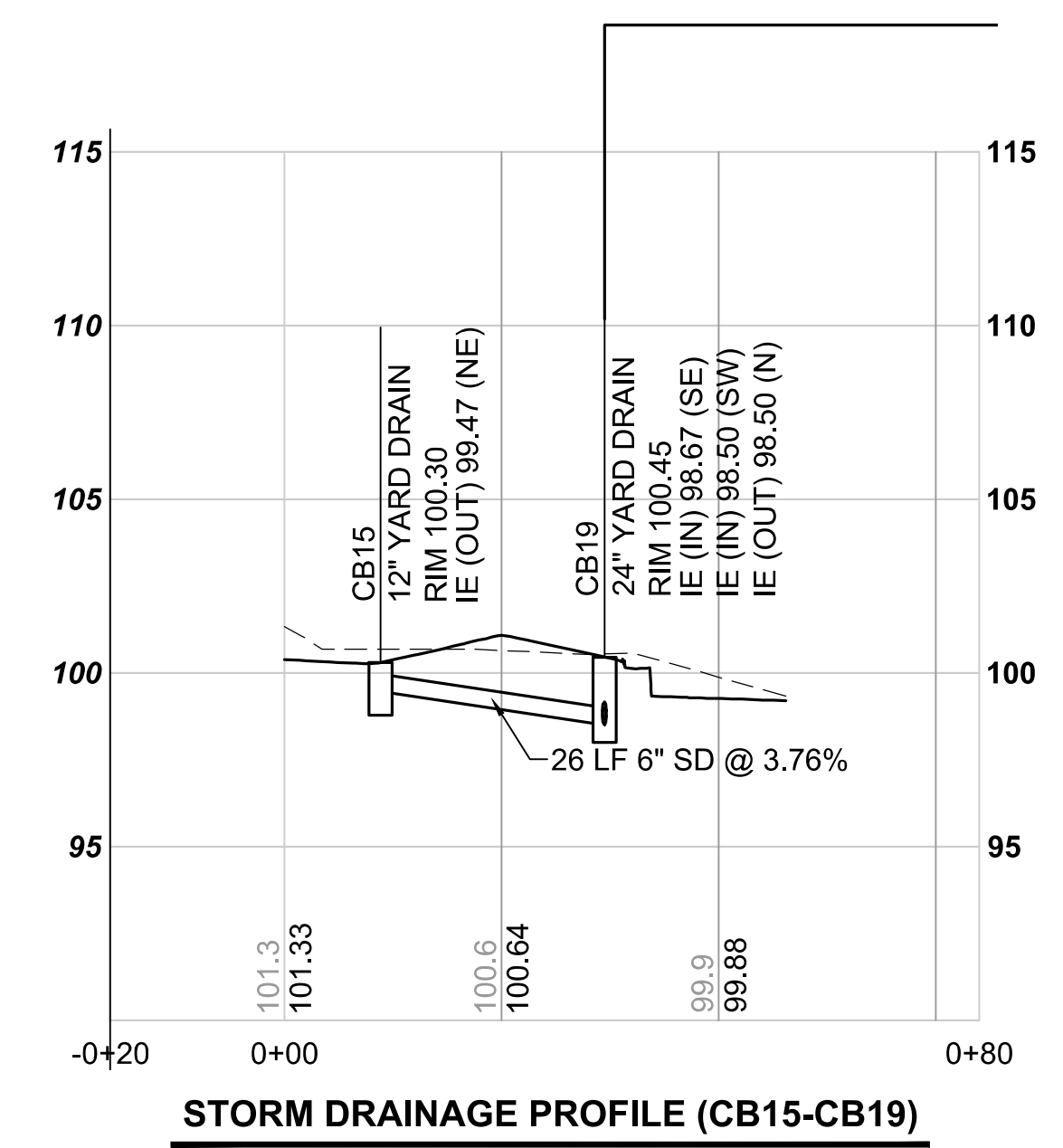
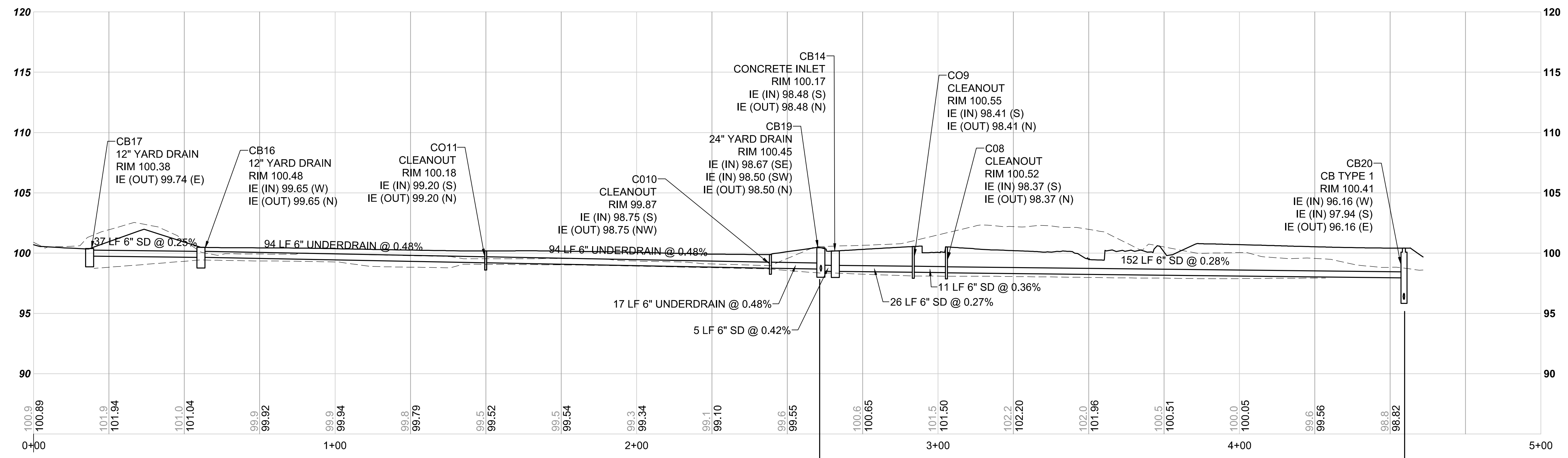
DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

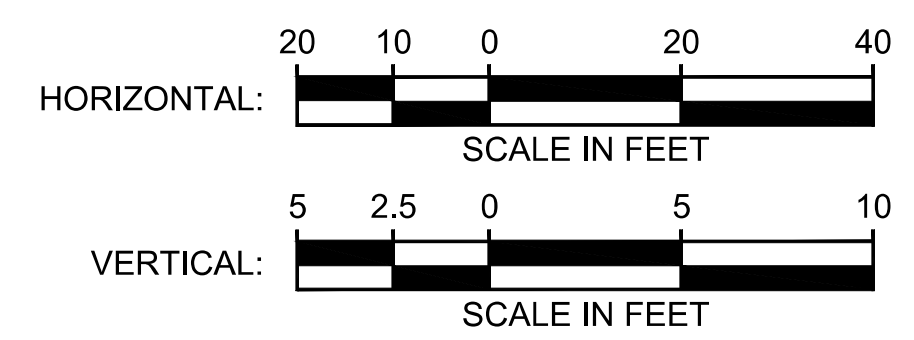
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NOTE:

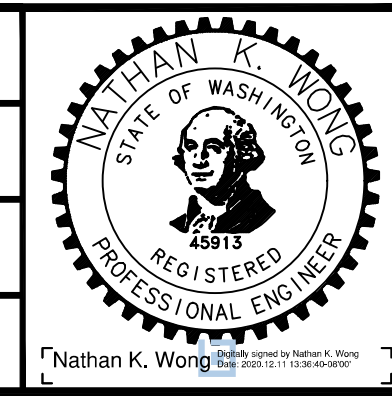
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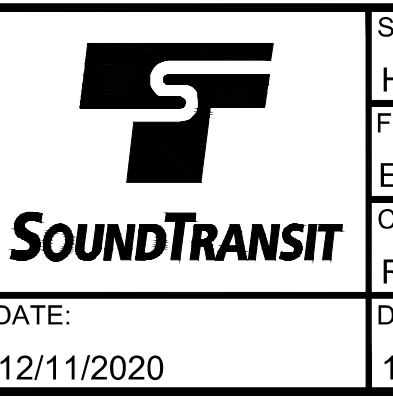


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December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



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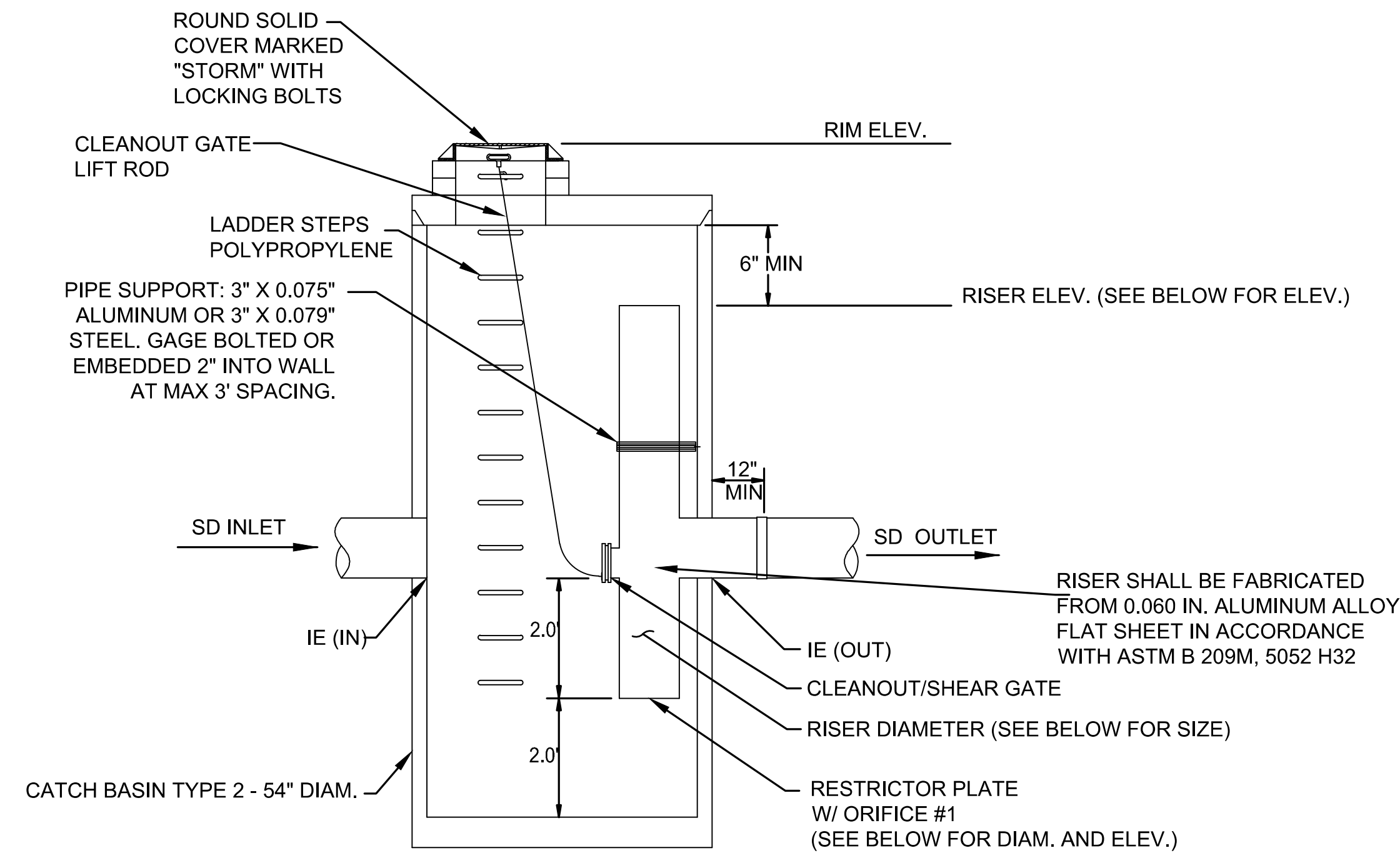


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77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE PROFILES

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38 OF 104
REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
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FLOW RESTRICTOR RISER INFORMATION

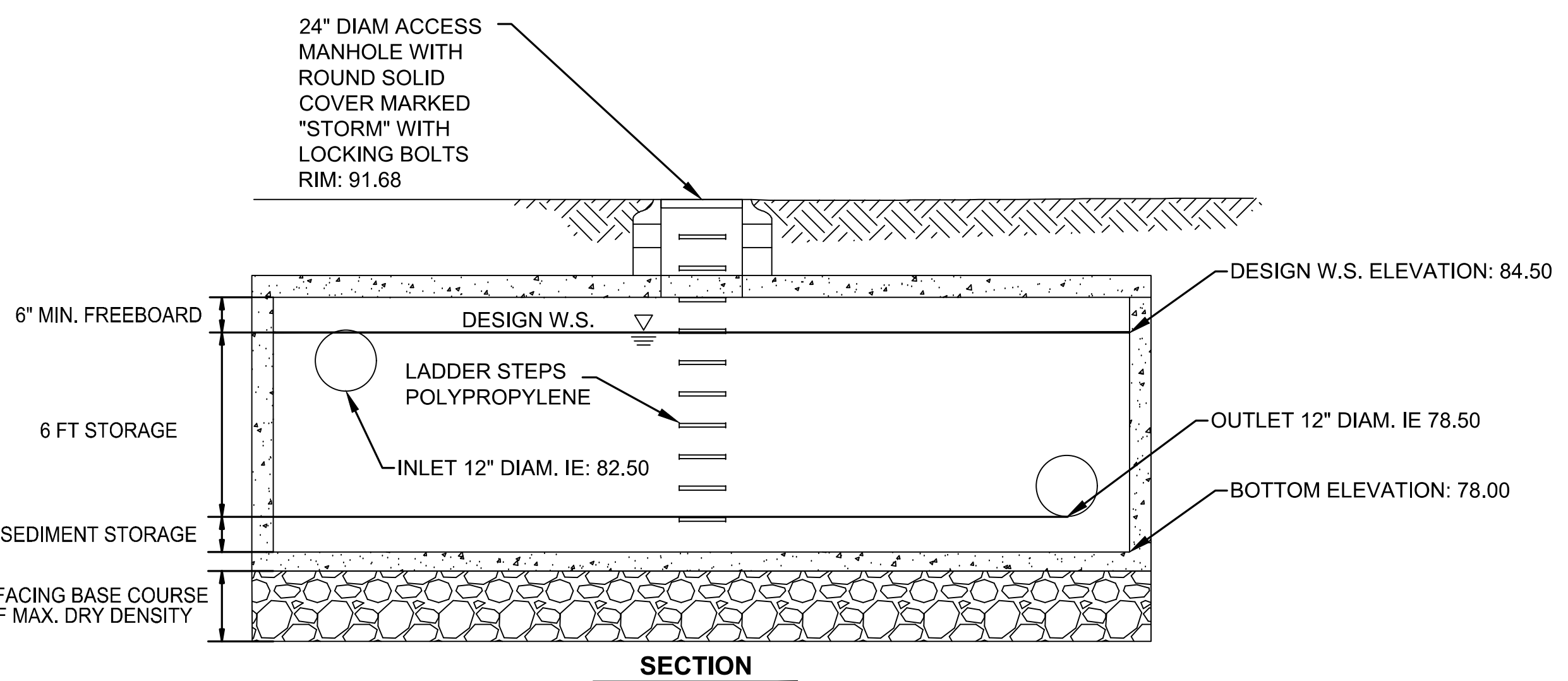
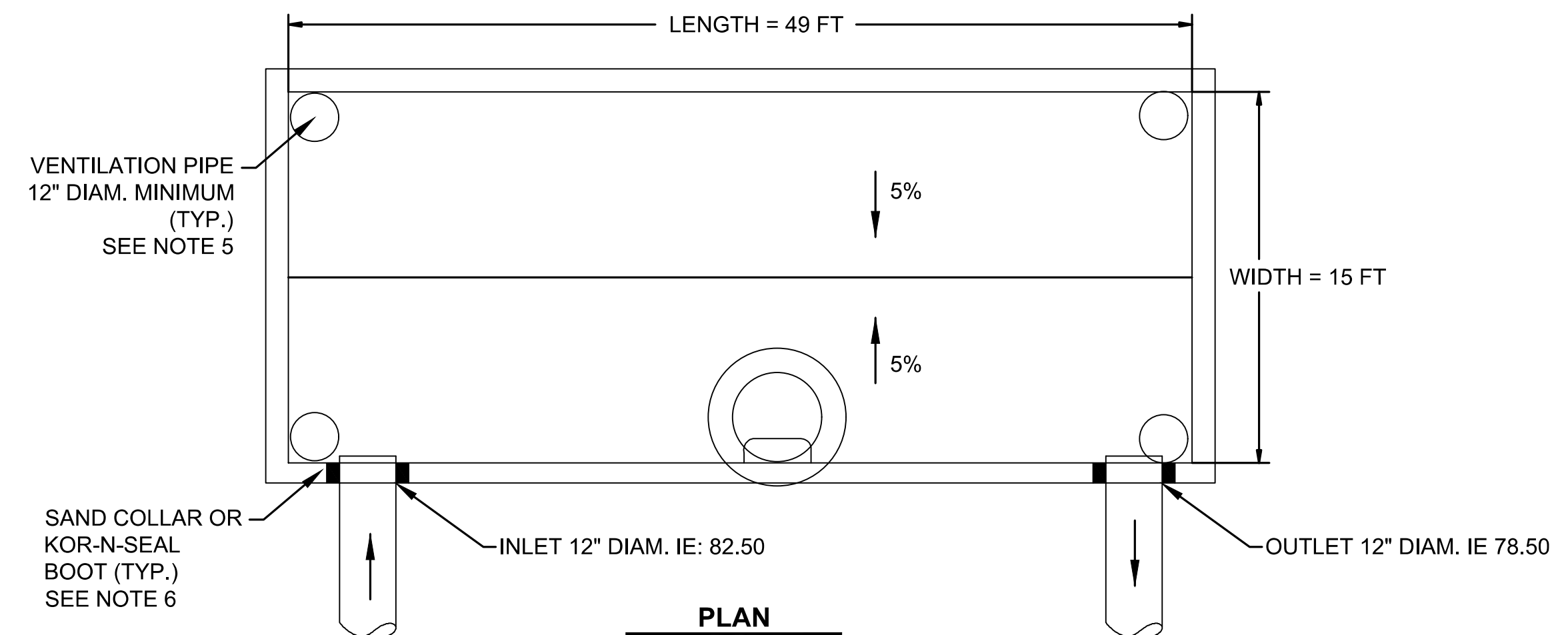
STRUCTURE ID= CB4
 RIM = 90.52
 IE IN (12" E) = 78.50
 IE OUT (12" W) = 78.50
 ORIFICE #1 (0.42") = 76.50
 TOP OF RISER (18") = 84.50
 RISER DIAMETER = 18"

NOTES:

- SEE WSDOT STD PLANS B-10.40-01 AND B-30.90-02 FOR LADDER AND SHEAR GATE DETAILS.

CB4 - CATCH BASIN TYPE 2 54 IN. DIAM. WITH FLOW RESTRICTOR DETAIL

SCALE: NTS



NOTES:

- ALL METAL PARTS MUST BE CORROSION RESISTANT. STEEL PARTS MUST BE STAINLESS STEEL OR ALUMINIZED STEEL
- PROVIDE WATER STOP AT ALL CAST-IN-PLACE CONSTRUCTION JOINTS. PRECAST VAULTS SHALL HAVE APPROVED RUBBER GASKET SYSTEM.
- CONTRACTOR SHALL PROVIDE STRUCTURAL CALCULATIONS FOR HS-20 LOADINGS. VAULT SHALL BE DESIGNED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER.
- CONTRACTOR SHALL PROVIDE SHORING PLAN FOR INSTALLATION OF FLOW CONTROL FACILITY.
- VENTILATION PIPES (MINIMUM 12-INCH DIAMETER) SHALL BE PROVIDED IN ALL FOUR CORNERS OF VAULT AND EXTEND TO FINAL GRADE. OPENINGS SHALL BE CAPPED SO THAT MAINTENANCE PERSONNEL CAN REMOVE.
- PENETRATE CARRIER PIPE THROUGH VAULT WALLS. SEAL PIPES WITH SAND COLLAR OR KOR-N-SEAL BOOT.

FLOW CONTROL STRUCTURE DETAIL

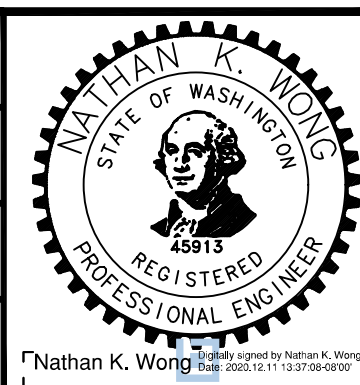
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E07-CDP001

12/11/20 1:01 PM | OXA P:\S\TRA0000087\0400CAD\TTS\SHEETS\15-E07-CDD001-002.DWG

ISSUED FOR BID

DESIGNED BY:
N. WONG
 DRAWN BY:
O. AHRENSFELD
 CHECKED BY:
M. FELIBERTI
 APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
 14432 SE Eastgate Way, Suite 400
 Bellevue Washington 98007
 Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



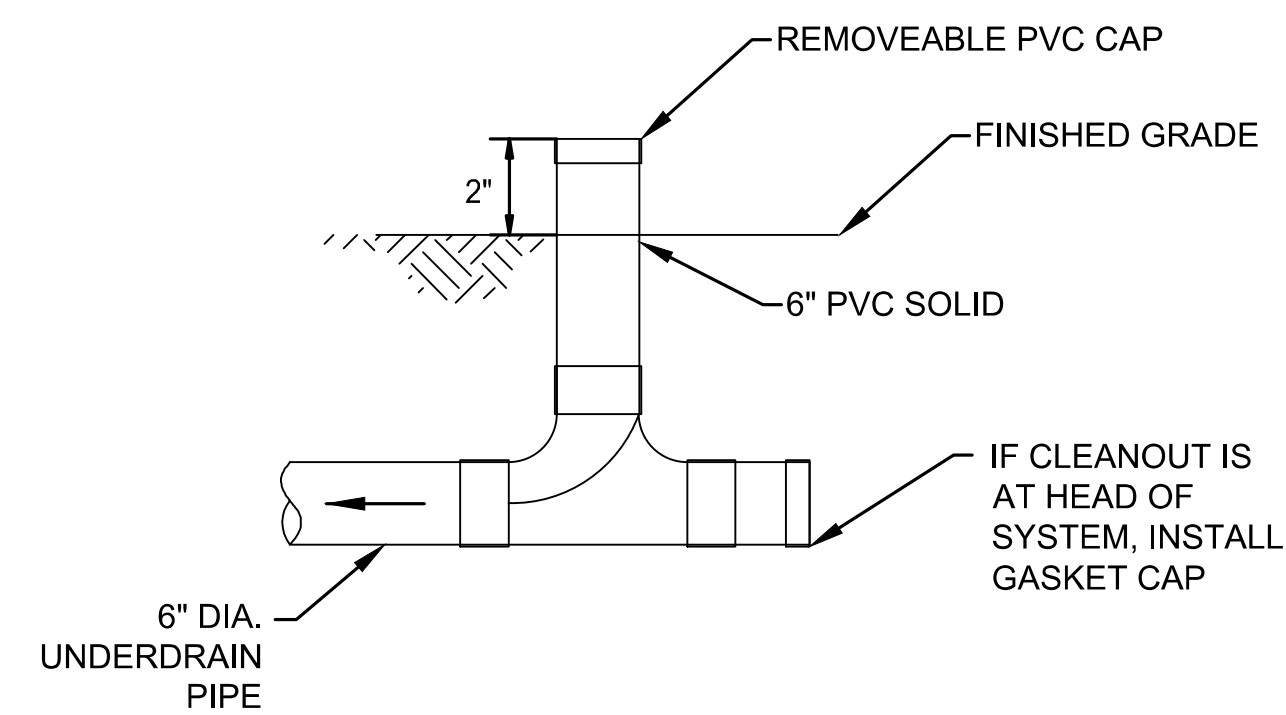
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NTS
 FILENAME:
E135-E07-CDD001-002
 CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
 MERCER ISLAND TRANSIT INTERCHANGE**
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY
 DRAINAGE DETAILS

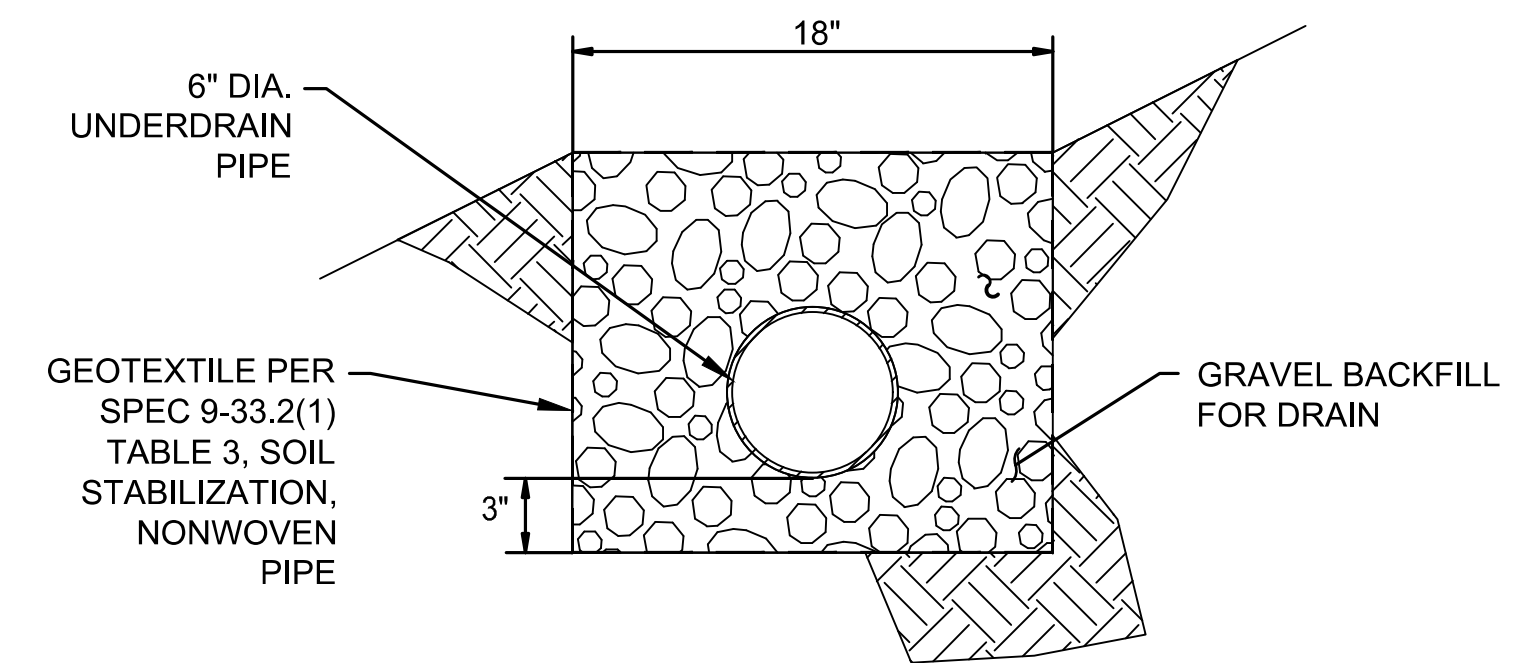
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E07-CDD001
 LOCATION ID:
E07
 SHEET No.: 39 OF 104
 REV: 0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



CLEANOUT DETAIL 1
SCALE: NTS E07-CDP003

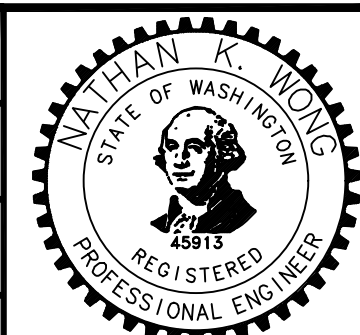


UNDERDRAIN DETAIL 2
SCALE: NTS E07-CDP003

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ISSUED FOR BID

DESIGNED BY:
N. WONG
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-CDD001-002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
DRAINAGE DETAILS

DRAWING No.:
E07-CDD002
LOCATION ID:
E07
SHEET No.: 40 OF 104
REV: 0

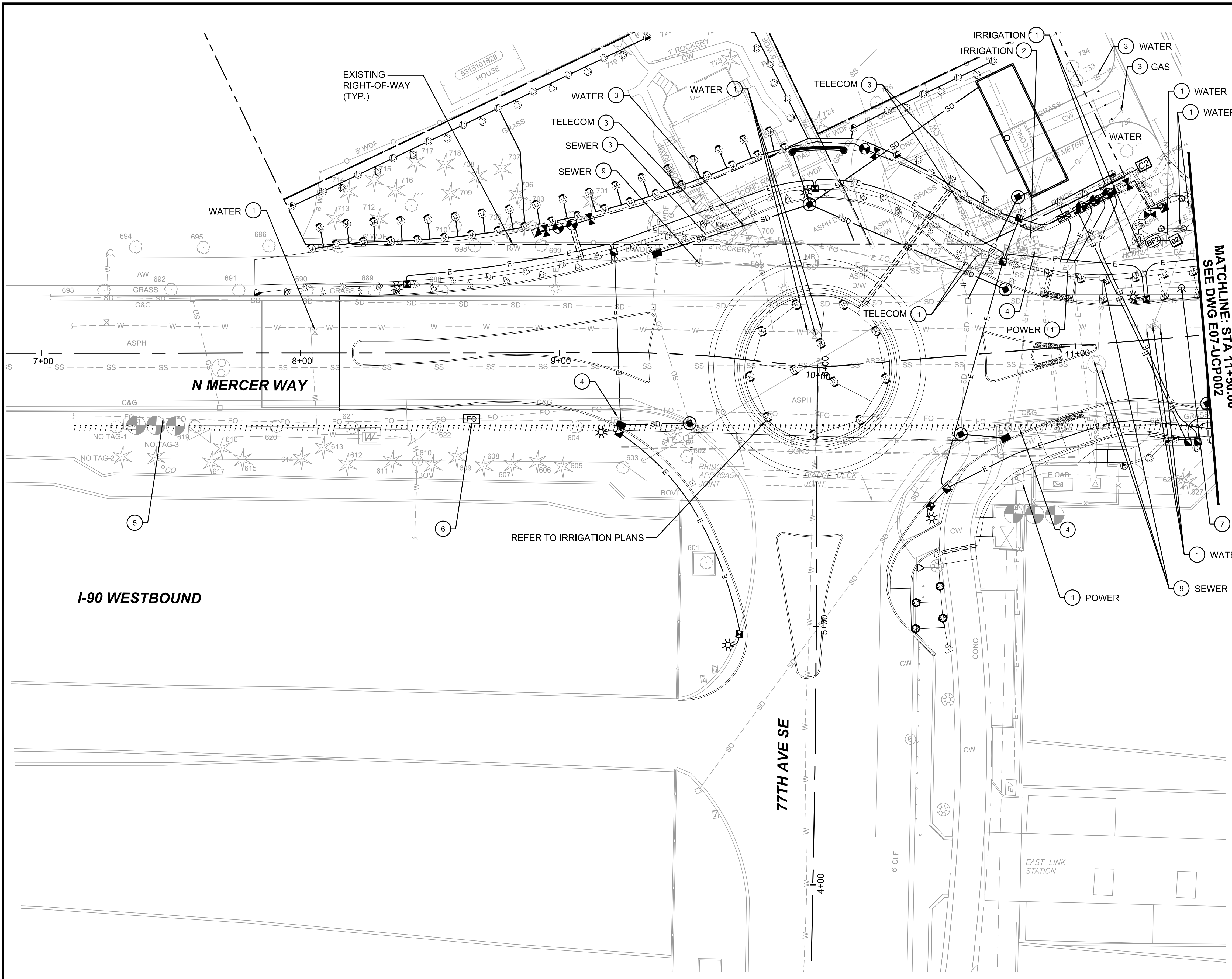
| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020



CONSTRUCTION NOTES:

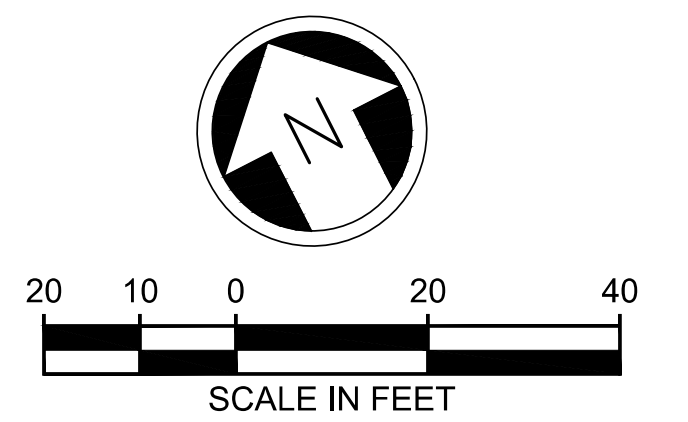
- 1 ADJUST EXISTING UTILITY TO GRADE
- 2 RELOCATE EXISTING UTILITY
- 3 REMOVE EXISTING UTILITY SERVICE TO PROPERTY
- 4 REMOVE EXISTING SMALL CABLE VAULT, BENDS, AND ELBOWS. ABANDON EXISTING CONDUITS IN PLACE. BACKFILL TO GRADE. SEE GENERAL NOTE 3.
- 5 REMOVE EXISTING 12 STRAND SMFO FULLY FROM 77TH SIGNAL CABINET #529 TO THE WEST TO CABINET 090CV00670 AT 76TH INTERSECTION NEAR WB I-90 ON-RAMP. COORDINATE WITH WSDOT SIGNAL AND ITS GROUPS PRIOR TO REMOVAL.
- 6 INSTALL SMALL CABLE VAULT PER WSDOT J-90.21-02. ROUTE EXISTING 2" CONDUIT INTO VAULT.
- 7 INTERCEPT EXISTING WATER LINE. INSTALL NEW 5-1/4" MUELLER "SUPER CENTURION" HYDRANT OR APPROVED EQUAL PER CITY OF MERCER ISLAND STANDARD PLAN W-24A SO CENTER OF HYDRANT IS 4.8' FROM FACE OF CURB. CONTRACTOR TO INSTALL ALL REQUIRED BLOCKING, ROCK, FILTER FABRICS, ETC. PER PLAN INCLUDING BLUE TYPE II REFLECTOR IN ROADWAY.

GENERAL NOTES

1. SEE DRAWING NOS. E07-CXP001 TO E07-CXP004 FOR DEMOLITION AND REMOVAL PLANS.
2. SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS
3. PROPOSED CONDUIT LOCATIONS SHOWN ARE SCHEMATIC, SEE DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION PLANS.
4. PROPOSED IRRIGATION CONDUITS AND SYMBOLS ARE SCHEMATIC. SEE DRAWING NOS. E07-LRP001 TO E07-LRP003 FOR IRRIGATION PLANS, NOTES, AND LEGEND.
5. WSDOT CONDUITS AND FACILITIES SUSPENDED UNDER THE I-90 BRIDGE DECK WILL NOT BE IMPACTED BY THE PROPOSED PROJECT.
6. PRESERVE TRAFFIC SIGNAL FIBER COMMUNICATION CONNECTION UNTIL SPAN WIRE SIGNAL REMOVAL.
7. ALL IN-ROAD UTILITY ADJUSTMENTS SHALL BE PER CITY OF MERCER ISLAND STD PLAN S-28.
8. ONLY CITY STAFF ARE ALLOWED TO SHUT DOWN THE WATER MAIN. CONSTRUCTION TEAM/ENGINEER TO EVALUATE WHICH VALVES TO CLOSE PRIOR TO CONSTRUCTION ACTIVITIES. NO FIRE FLOW OR WATER QUALITY ISSUES PERMITTED. CONTRACTOR TO GIVE CITY UTILITY TEAM 90 DAYS ADVANCE NOTICE OF CONSTRUCTION FOR TESTING.
9. ANY BOX OR VAULT ADJUSTED TO GRADE IN THE SIDEWALK OR TRAIL SHALL BE REPLACED WITH NON-SKID LID AND FRAME.

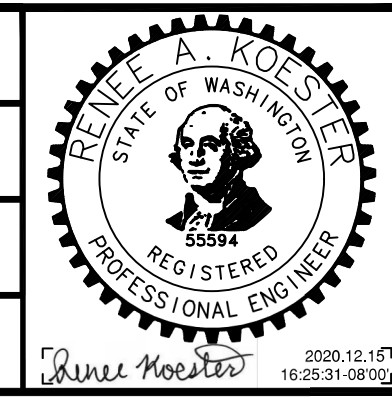
LEGEND

FO PROPOSED OPTIC VAULT



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

| | | | |
|---------------------------|---------------------|-----------------------|---------------------|
| SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
|---------------------------|---------------------|-----------------------|---------------------|

LINE IS 1" AT FULL SCALE

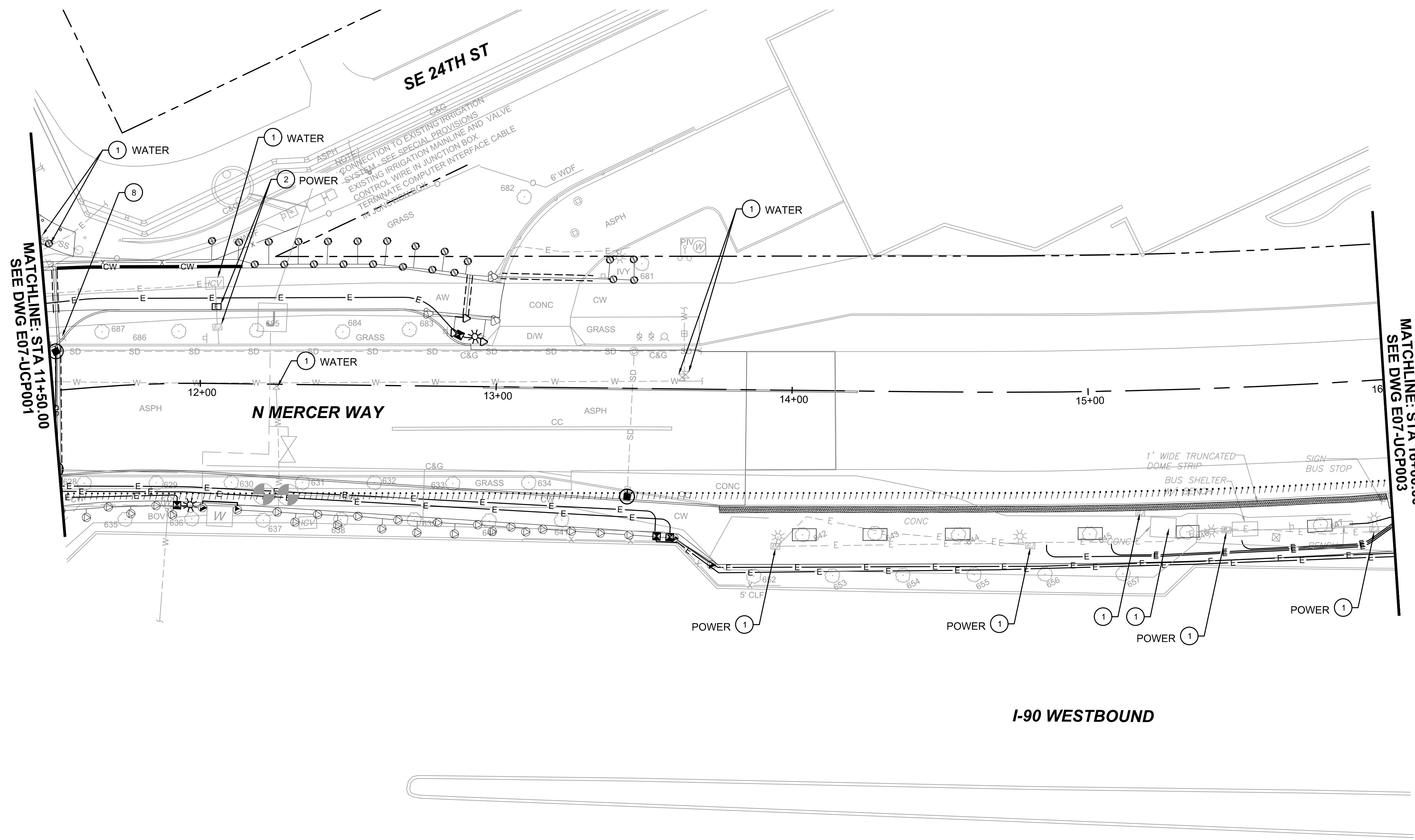


SCALE:
1" = 20'
FILENAME:
E135-E07-UCP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
COMPOSITE UTILITY PLAN

| | |
|--------------|------------|
| DRAWING No.: | E07-UCP001 |
| LOCATION ID: | E07 |
| SHEET No.: | 41 OF 104 |
| REV: | 0 |

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CONSTRUCTION NOTES:

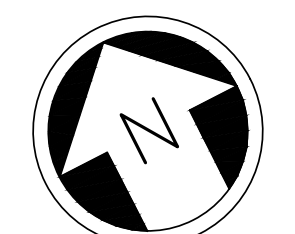
- ① ADJUST EXISTING UTILITY TO GRADE
- ② RELOCATE EXISTING UTILITY
- ⑧ REMOVE EXISTING FIRE HYDRANT. REMOVE PIPE BACK TO NEW HYDRANT LOCATION.

GENERAL NOTES

- 1. SEE DRAWING NOS. E07-CXP001 TO E07-CXP004 FOR DEMOLITION AND REMOVAL PLANS.
- 2. SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS
- 3. PROPOSED CONDUIT LOCATIONS SHOWN ARE SCHEMATIC. SEE DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION PLANS.
- 4. PROPOSED IRRIGATION CONDUITS AND SYMBOLS ARE SCHEMATIC. SEE DRAWING NOS. E07-LRP001 TO E07-LRP003 FOR IRRIGATION PLANS, NOTES, AND LEGEND.
- 5. WSDOT CONDUITS AND FACILITIES SUSPENDED UNDER THE I-90 BRIDGE DECK WILL NOT BE IMPACTED BY THE PROPOSED PROJECT.
- 6. PRESERVE TRAFFIC SIGNAL FIBER COMMUNICATION CONNECTION UNTIL SPAN WIRE SIGNAL REMOVAL.
- 7. ALL IN-ROAD UTILITY ADJUSTMENTS SHALL BE PER CITY OF MERCER ISLAND STD PLAN S-28.
- 8. ONLY CITY STAFF ARE ALLOWED TO SHUT DOWN THE WATER MAIN. CONSTRUCTION TEAM/ENGINEER TO EVALUATE WHICH VALVES TO CLOSE PRIOR TO CONSTRUCTION ACTIVITIES. NO FIRE FLOW OR WATER QUALITY ISSUES PERMITTED. CONTRACTOR TO GIVE CITY UTILITY TEAM 90 DAYS ADVANCE NOTICE OF CONSTRUCTION FOR TESTING.
- 9. ANY BOX OR VAULT ADJUSTED TO GRADE IN THE SIDEWALK OR TRAIL SHALL BE REPLACED WITH NON-SKID LID AND FRAME.

LEGEND

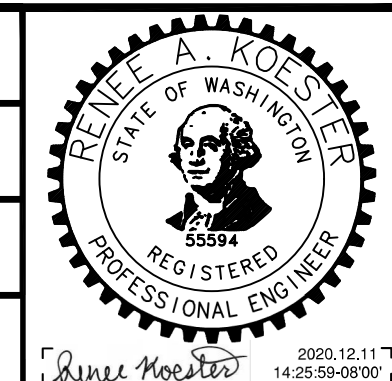
- ☐ PROPOSED ELECTRICAL BOX



12/11/20 | 12:39 PM | OXA P:\S\TRA\0000087\0400CAD\TTS\0001\003.DWG

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
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Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE

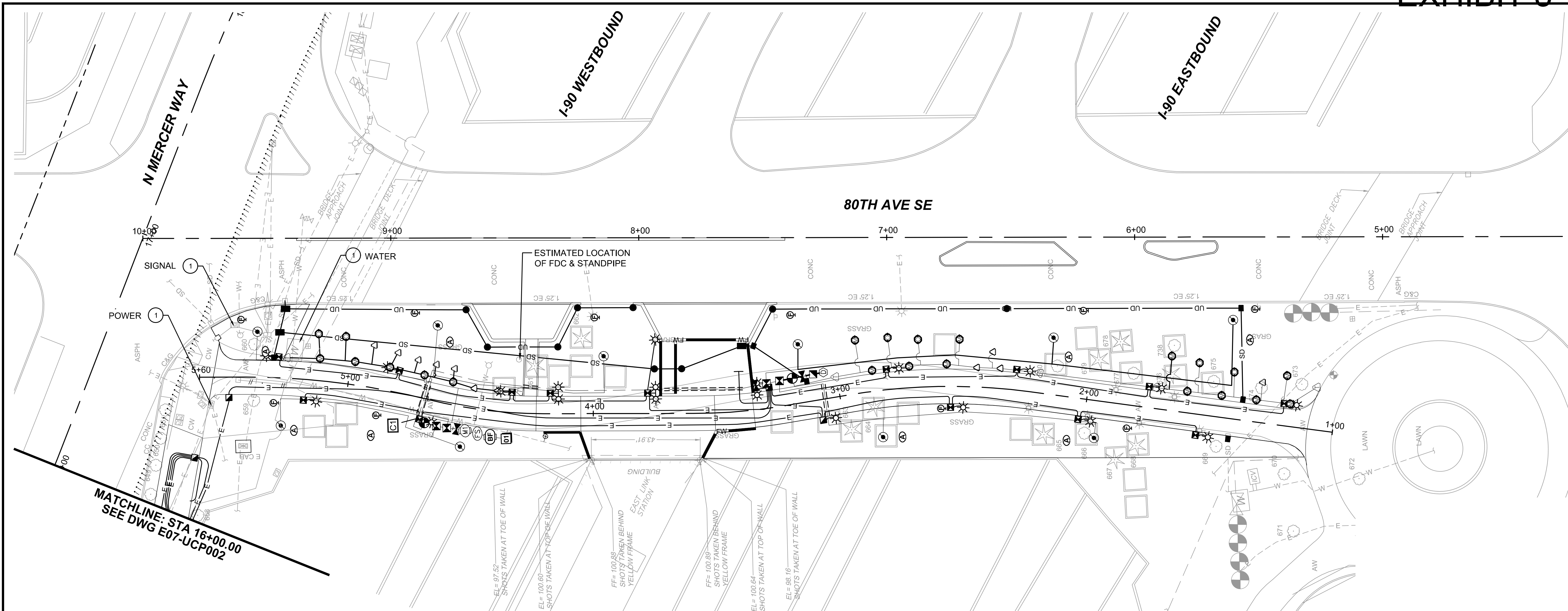


SCALE:
1" = 20'
FILENAME:
E135-E07-UCP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

EAST LINK PROJECT
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
COMPOSITE UTILITY PLAN

DRAWING No.:
E07-UCP002
LOCATION ID:
E07
SHEET No.:
42 OF 104
REV:
0

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



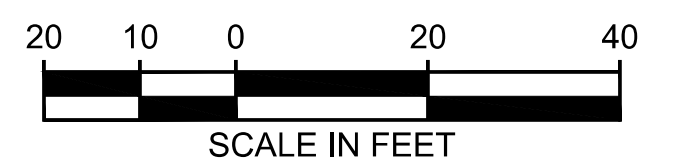
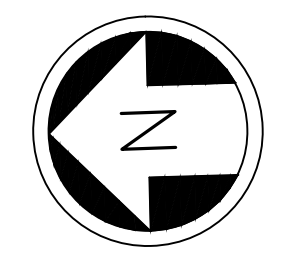
MATCHLINE: STA 16+00.00
SEE DWG E07-UCP002

CONSTRUCTION NOTES:

- ① ADJUST EXISTING UTILITY TO GRADE

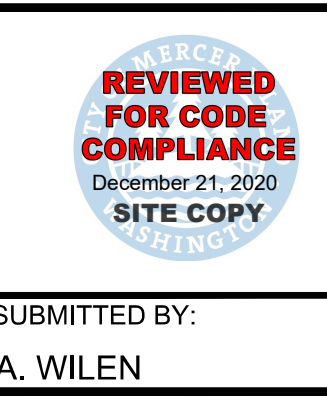
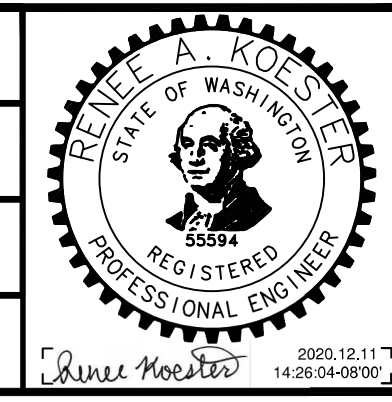
GENERAL NOTES

1. SEE DRAWING NOS. E07-CXP001 TO E07-CXP004 FOR DEMOLITION AND REMOVAL PLANS.
2. SEE DRAWING NOS. E07-CDP001 TO E07-CDP003 FOR DRAINAGE PLANS
3. PROPOSED CONDUIT LOCATIONS SHOWN ARE SCHEMATIC, SEE DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR ILLUMINATION PLANS.
4. PROPOSED IRRIGATION CONDUITS AND SYMBOLS ARE SCHEMATIC. SEE DRAWING NOS. E07-LRP001 TO E07-LRP003 FOR IRRIGATION PLANS, NOTES, AND LEGEND.
5. WSDOT CONDUITS AND FACILITIES SUSPENDED UNDER THE I-90 BRIDGE DECK WILL NOT BE IMPACTED BY THE PROPOSED PROJECT.
6. PRESERVE TRAFFIC SIGNAL FIBER COMMUNICATION CONNECTION UNTIL SPAN WIRE SIGNAL REMOVAL.
7. ALL IN-ROAD UTILITY ADJUSTMENTS SHALL BE PER CITY OF MERCER ISLAND STD PLAN S-28.
8. ONLY CITY STAFF ARE ALLOWED TO SHUT DOWN THE WATER MAIN. CONSTRUCTION TEAM/ENGINEER TO EVALUATE WHICH VALVES TO CLOSE PRIOR TO CONSTRUCTION ACTIVITIES. NO FIRE FLOW OR WATER QUALITY ISSUES PERMITTED. CONTRACTOR TO GIVE CITY UTILITY TEAM 90 DAYS ADVANCE NOTICE OF CONSTRUCTION FOR TESTING.
9. ANY BOX OR VAULT ADJUSTED TO GRADE IN THE SIDEWALK OR TRAIL SHALL BE REPLACED WITH NON-SKID LID AND FRAME.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

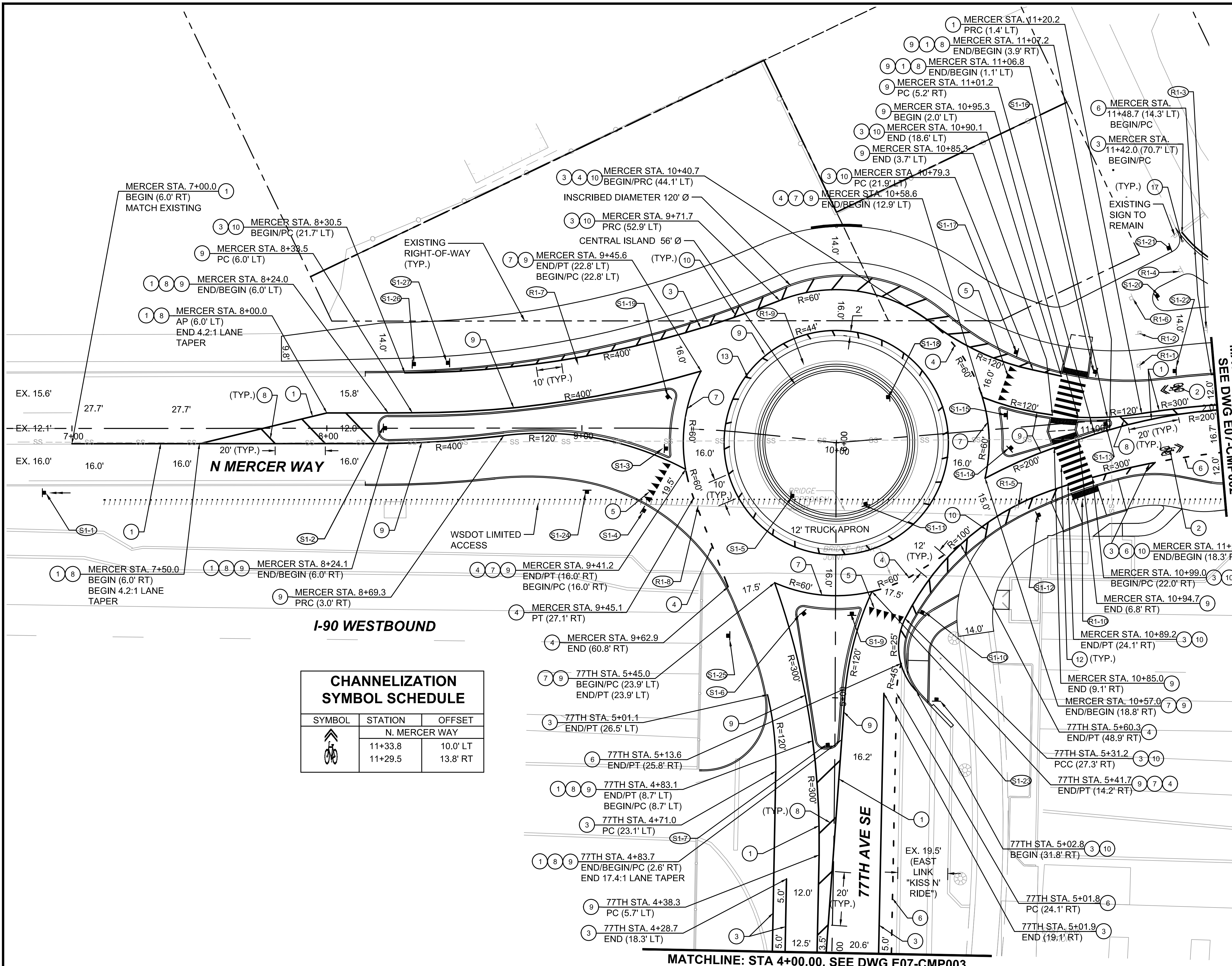
LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-UCP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
COMPOSITE UTILITY PLAN

DRAWING No.:
E07-UCP003
LOCATION ID:
E07
SHEET No.:
43 OF 104
REV:
0



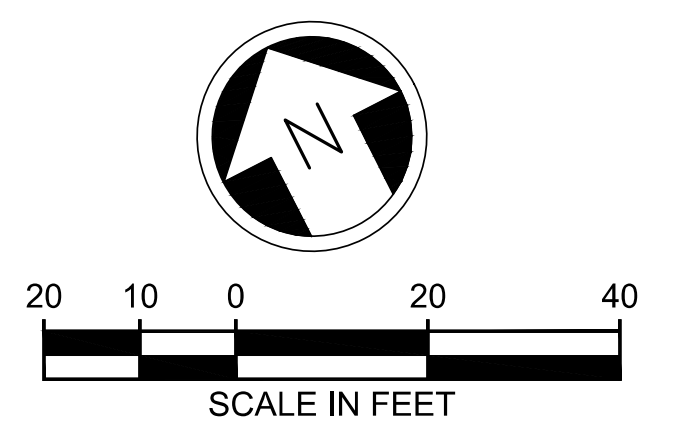
- CHANNELIZATION NOTES:**
- 1 YELLOW DOUBLE CENTERLINE RPMS PER CITY OF MERCER ISLAND STD. DETAIL TR-7A.
 - 2 BICYCLE SHARROW SYMBOL PER CITY OF MERCER ISLAND STD. DETAIL TR-16.
 - 3 WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
 - 4 WIDE DOTTED ENTRY LINE PER WSDOT STD. PLAN M-12.10-01.
 - 5 YIELD LINE SYMBOL PER WSDOT STD. PLAN M-24.60-04.
 - 6 WHITE WIDE DOTTED LANE LINE PER WSDOT STD. PLAN M-20.10-02.
 - 7 WHITE WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
 - 8 YELLOW CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
 - 9 YELLOW EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
 - 10 WHITE CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
 - 12 CROSSWALK STRIPING PER MERCER ISLAND STD. DETAIL TR-7C2.
 - 13 YELLOW CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
 - 17 INSTALL FLEXIBLE GUIDE POST, SURFACE MOUNT AT 7' O.C. PER WSDOT STD. PLAN M-40.10-03.

- GENERAL NOTES**
1. SEE DRAWING NOS. E07-CMS001 AND E07-CMS002 FOR SIGN SCHEDULE.
 2. ALL STRIPING WITHIN WSDOT RIGHT OF WAY TO BE PROFILED PLASTIC LINES, TYPE "D" MMA PLASTIC, PER WSDOT STD. PLAN M-20.20-02, UNLESS OTHERWISE NOTED.
 3. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING CHANNELIZATION MARKINGS

CHANNELIZATION SYMBOL SCHEDULE

| SYMBOL | STATION | OFFSET |
|---------------|---------|----------|
| N. MERCER WAY | | |
| | 11+33.8 | 10.0' LT |
| | 11+29.5 | 13.8' RT |

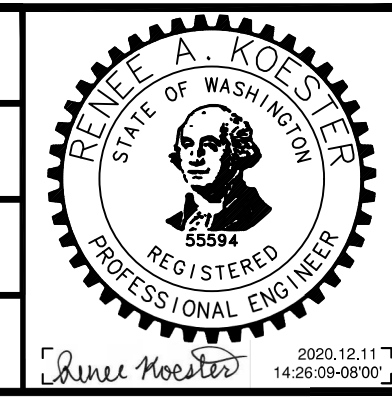
- LEGEND**
- REMOVE SIGN
 - INSTALL SIGN
 - EXISTING SIGN
 - PROPOSED SIGN



MATCHLINE: STA 4+00.00, SEE DWG E07-CMP003

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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Phone: 425.519.6500

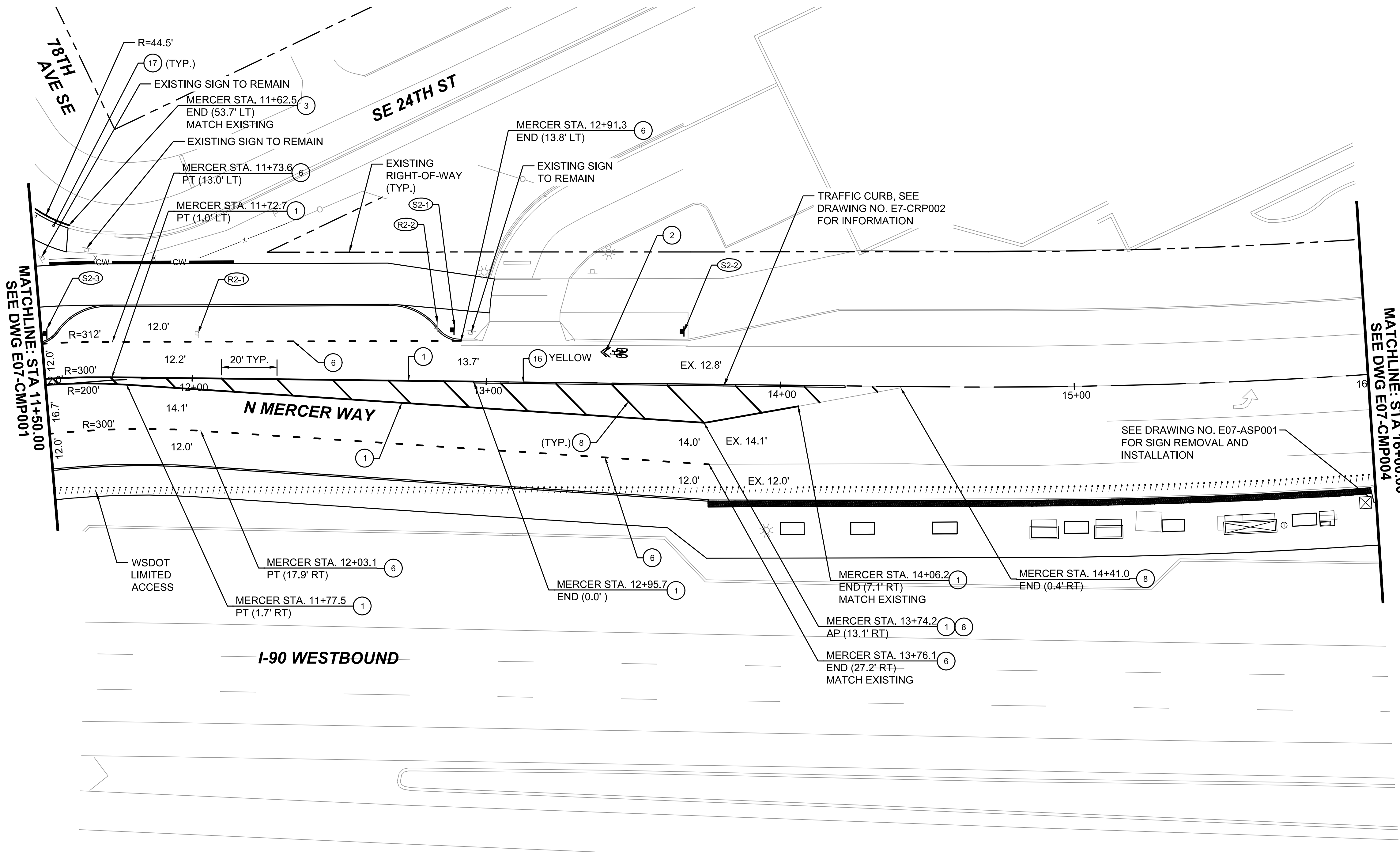
SCALE:
1" = 20'
FILENAME:
E135-E07-CMP001-004
CONTRACT No.:
RTA/AE 0072-19



**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CHANNELIZATION AND SIGNING PLAN

DRAWING No.:
E07-CMP001
LOCATION ID:
E07
SHEET No.:
44 OF 104
REV:
0

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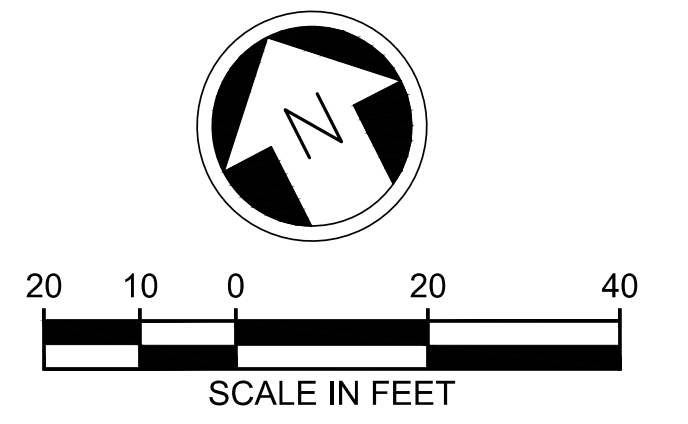
- CHANNELIZATION NOTES:**
- ① YELLOW DOUBLE CENTERLINE RPMS PER CITY OF MERCER ISLAND STD. DETAIL TR-7A.
 - ② BICYCLE SHARROW SYMBOL PER CITY OF MERCER ISLAND STD. DETAIL TR-16.
 - ⑥ WHITE WIDE DOTTED LANE LINE PER WSDOT STD. PLAN M-20.10-02.
 - ⑧ YELLOW CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
 - ⑨ YELLOW EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
 - ⑯ PAINT CURB, COLOR AS NOTED.
 - ⑰ INSTALL FLEXIBLE GUIDE POST, SURFACE MOUNT AT 7' O.C. PER WSDOT STD. PLAN M-40.10-03.

- GENERAL NOTES**
1. SEE DRAWING NOS. E07-CMS001 AND E07-CMS002 FOR SIGN SCHEDULE.
 2. ALL STRIPING WITHIN WSDOT RIGHT OF WAY TO BE PROFILED PLASTIC LINES, TYPE "D" MMA PLASTIC, PER WSDOT STD. PLAN M-20.20-02, UNLESS OTHERWISE NOTED.
 3. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING CHANNELIZATION MARKINGS

- LEGEND**
- (R#) REMOVE SIGN
 - (S#) INSTALL SIGN
 - EXISTING SIGN
 - ▣ PROPOSED SIGN

CHANNELIZATION SYMBOL SCHEDULE

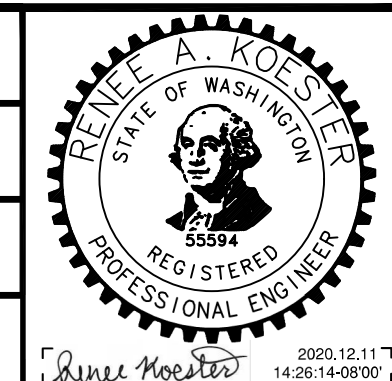
| SYMBOL | STATION | OFFSET |
|--------|---------------|----------|
| | N. MERCER WAY | |
| | 13+43.8 | 10.3' LT |



12/11/20 | 12:39 PM | OXA P:\S\TRA000087\0400CAD\TTS\SHETS\15-E07-CMP001-004.DWG

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-CMP001-004
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CHANNELIZATION AND SIGNING PLAN

DRAWING No.:
E07-CMP002
LOCATION ID:
E07
SHEET No.:
45 OF 104
REV:
0

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

CHANNELIZATION NOTES:

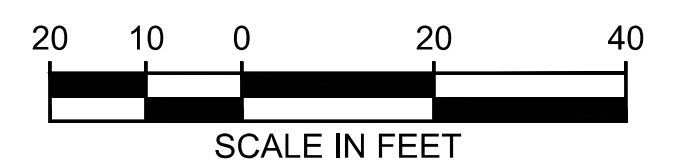
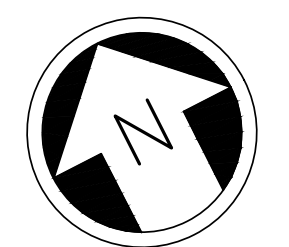
- ① YELLOW DOUBLE CENTERLINE RPMS PER CITY OF MERCER ISLAND STD. DETAIL TR-7A.
- ③ WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- ⑥ WHITE WIDE DOTTED LANE LINE PER WSDOT STD. PLAN M-20.10-02.
- ⑧ YELLOW CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
- ⑮ TYPE 6SR (RIGHT) TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.

GENERAL NOTES

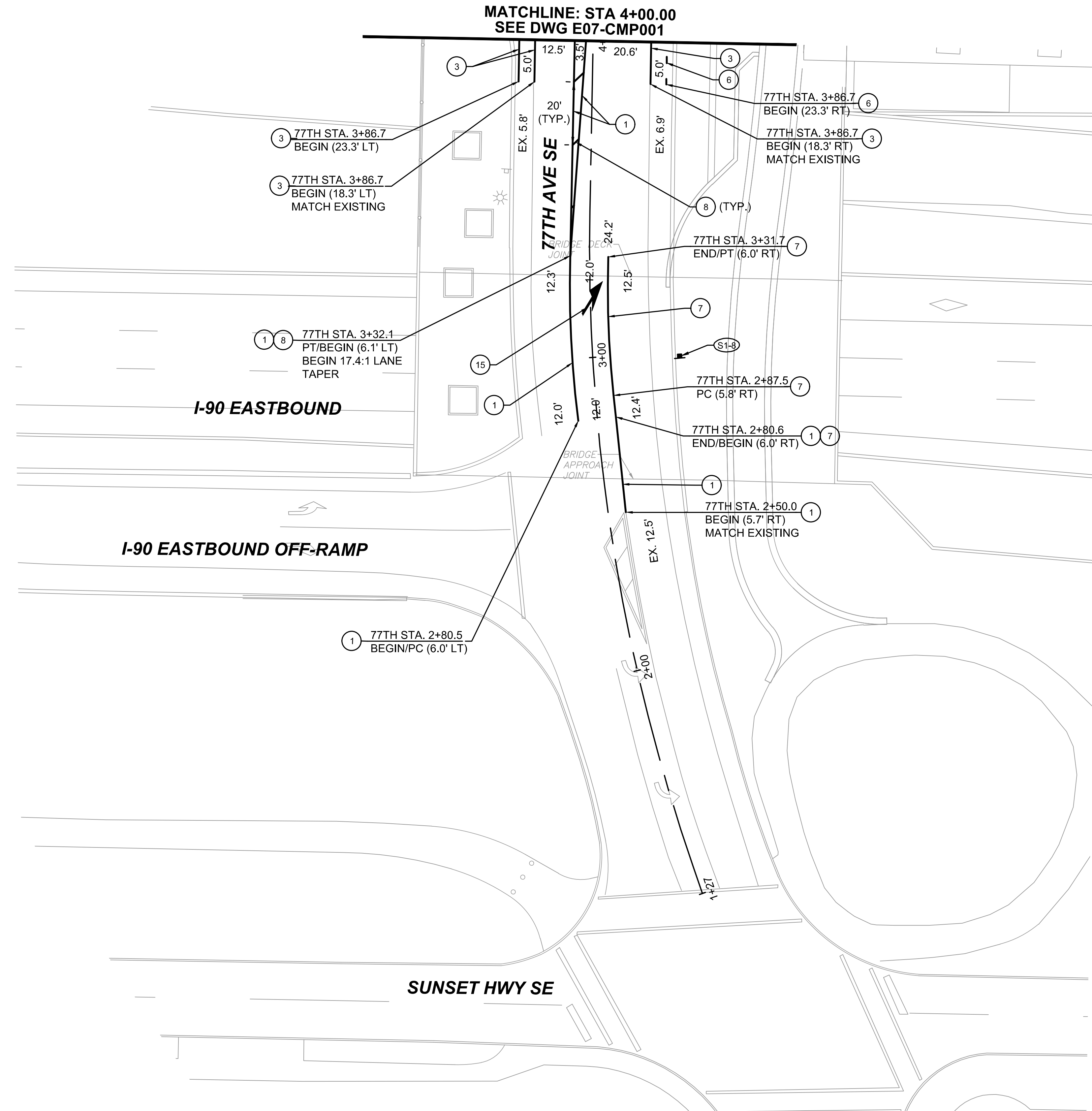
1. SEE DRAWING NOS. E07-CMS001 AND E07-CMS002 FOR SIGN SCHEDULE.
2. ALL STRIPING WITHIN WSDOT RIGHT OF WAY TO BE PROFILED PLASTIC LINES, TYPE "D" MMA PLASTIC, PER WSDOT STD. PLAN M-20.20-02, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING CHANNELIZATION MARKINGS

LEGEND

- Ⓜ# REMOVE SIGN
- Ⓢ# INSTALL SIGN
- ◻ EXISTING SIGN
- ◼ PROPOSED SIGN

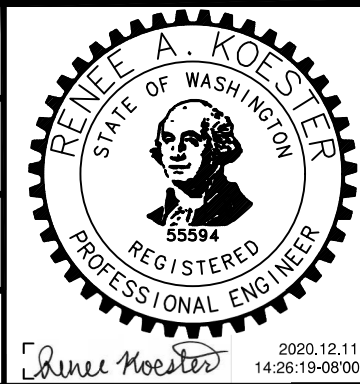


MATCHLINE: STA 4+00.00
SEE DWG E07-CMP001



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN



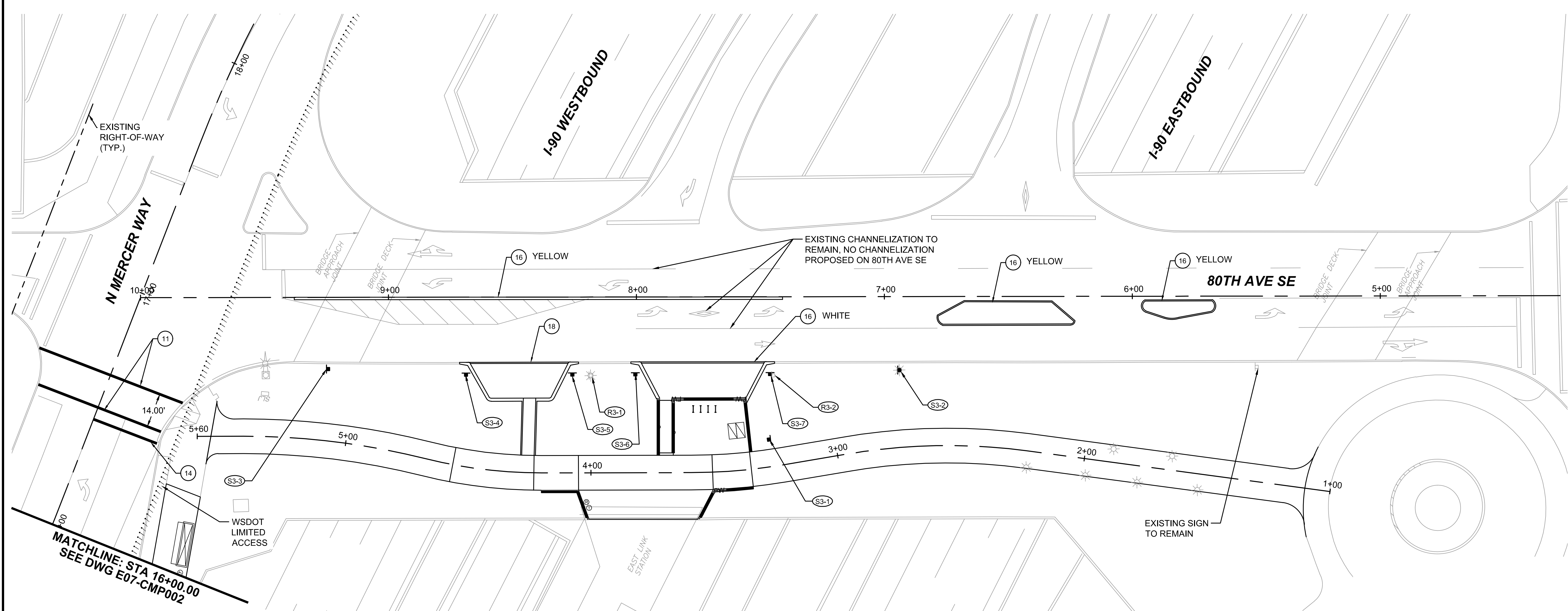
SCALE:
1" = 20'
FILENAME:
E135-E07-CMP001-004
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CHANNELIZATION AND SIGNING PLAN

DRAWING No.:
E07-CMP003
LOCATION ID:
E07
SHEET No.:
46 OF 104
REV:
0

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| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |



CHANNELIZATION NOTES:

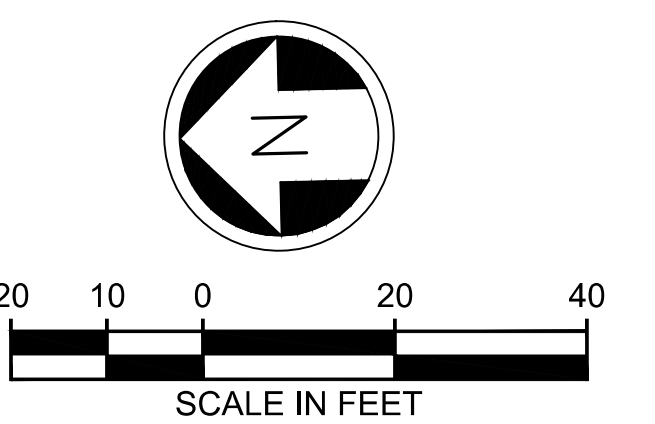
- 11 CROSSWALK LINE PER MERCER ISLAND STD. DETAIL TR-7C1.
- 14 STOP BAR PER MERCER ISLAND STD. DETAIL TR-7C1.
- 16 PAINT CURB, COLOR AS NOTED.
- 18 PAINT CURB 4" WIDE RED PAINT STRIPE 20" ON CENTER. INSTALL 6" HIGH WHITE "FIRE LANE NO PARKING" LETTERS, A MINIMUM OF 1" WIDE, ON RED BACKGROUND EVERY 25' ON CENTER PER CITY OF MERCER ISLAND FIRE DEPARTMENT DEVELOPMENT STANDARDS GUIDE.

GENERAL NOTES

1. SEE DRAWING NOS. E07-CMS001 AND E07-CMS002 FOR SIGN SCHEDULE.
2. ALL STRIPING WITHIN WSDOT RIGHT OF WAY TO BE PROFILED PLASTIC LINES, TYPE "D" MMA PLASTIC, PER WSDOT STD. PLAN M-20.20-02, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING CHANNELIZATION MARKINGS

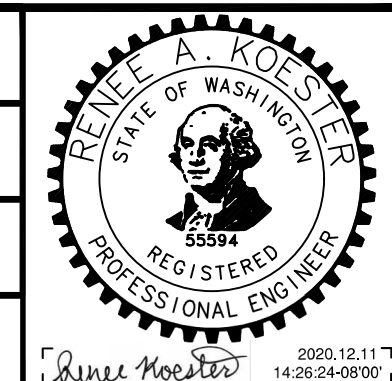
LEGEND

- R# REMOVE SIGN
- S# INSTALL SIGN
- ◻ EXISTING SIGN
- ◼ PROPOSED SIGN



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-CMP001-004
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CHANNELIZATION AND SIGNING PLAN

DRAWING No.:
E07-CMP004
LOCATION ID:
E07
SHEET No.:
47 OF 104
REV:
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| No. | DATE | DSN | CHK | APP | REVISION |
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| | | | | | |

| SIGN REMOVAL SCHEDULE | | | | | | | | | | |
|-----------------------|------------------|---|--------------|---------|-----------|----------------|-----------------|------------------------|---------------|---|
| SIGN NO. | SIGN DESIGNATION | SIGN DESCRIPTION | ALIGNMENT | STATION | OFFSET | SIGN WIDTH (X) | SIGN HEIGHT (Y) | VERTICAL CLEARANCE (V) | POST TYPE | REMARKS |
| R1-1 | W11-2 | PEDESTRIAN WARNING | N MERCER WAY | 11+21 | 20.1' LT | EX. | EX. | EX. | WOOD POST | |
| | W16-9P | AHEAD (PLAQUE) | | 11+21 | 20.1' LT | EX. | EX. | EX. | | |
| | CUSTOM | BLUE REFLECTORS SIGN | | 11+21 | 20.1' LT | EX. | EX. | EX. | | |
| R1-2 | D11-1 | BIKE ROUTE | N MERCER WAY | 11+22 | 33.0' LT | EX. | EX. | EX. | WOOD POST | |
| | M6-7L | DIRECTIONAL ARROWS | | 11+22 | 33.0' LT | EX. | EX. | EX. | | |
| R1-3 | CUSTOM | TRAFFIC SIGN (VEHICLES LEAVING DRIVEWAYS AHEAD) | N MERCER WAY | 11+47 | 33.3' LT | EX. | EX. | EX. | WOOD POST | |
| R1-4 | D11-1 | BIKE ROUTE | N MERCER WAY | 11+43 | 60.6' LT | EX. | EX. | EX. | WOOD POST | |
| | M6-6 | DIRECTIONAL ARROWS | | 11+43 | 60.6' LT | EX. | EX. | EX. | | |
| | R5-3 | NO MOTOR VEHICLES | | 11+43 | 60.6' LT | EX. | EX. | EX. | | |
| R1-5 | W11-2 | PEDESTRIAN WARNING | N MERCER WAY | 10+69 | 30.4' RT | EX. | EX. | EX. | WOOD POST | |
| | W16-7PL | DOWNWARD DIAGONAL ARROW (LEFT) | | 10+69 | 30.4' RT | EX. | EX. | EX. | | |
| R1-6 | R1-2 | YIELD | N MERCER WAY | 11+21 | 47.00' LT | EX. | EX. | EX. | WOOD POST | COORDINATE WITH CITY OF MERCER ISLAND FOR REPLACEMENT |
| R1-7 | CUSTOM | I-90 WEST LEFT LANE | N MERCER WAY | 8+99 | 25.00' LT | EX. | EX. | EX. | LUMINAIRE | |
| | D11-1(MOD) | BIKE ROUTE (TO TOWN CENTER) | | 8+99 | 25.00' LT | EX. | EX. | EX. | | |
| | M5-1R | DIRECTIONAL ARROW | | 8+99 | 25.00' LT | EX. | EX. | EX. | | |
| R1-8 | R5-10B | PEDESTRIANS AND BICYCLES PROHIBITED | N MERCER WAY | 9+47 | 29.8' RT | EX. | EX. | EX. | LUMINAIRE | |
| R1-9 | D3-1 | NORTH MERCER WAY | N MERCER WAY | 9+84 | 29.00' LT | EX. | EX. | EX. | LUMINAIRE | |
| | CUSTOM | I-90 EAST/WEST GUIDE SIGN | | 9+84 | 29.00' LT | EX. | EX. | EX. | | |
| | D3-1 | 77TH AVE SE | | 9+84 | 29.00' LT | EX. | EX. | EX. | | |
| | D3-1 | 77TH AVE SE | | 9+84 | 29.00' LT | EX. | EX. | EX. | | |
| | CUSTOM | SHARED PUBLIC PATH / BE ALERT SIGN | | 9+84 | 29.00' LT | EX. | EX. | EX. | | |
| | CUSTOM | SHARED PUBLIC PATH / BE ALERT SIGN | | 9+84 | 29.00' LT | EX. | EX. | EX. | | |
| R1-10 | CUSTOM | BLUE REFLECTORS SIGN | N MERCER WAY | 10+94 | 30.6' RT | EX. | EX. | EX. | LUMINAIRE | |
| R2-1 | CUSTOM | MERCER ISLAND FARMERS MARKET | N MERCER WAY | 12+01 | 15.8' LT | EX. | EX. | EX. | WOOD POST | COORDINATE WITH CITY OF MERCER ISLAND FOR REPLACEMENT |
| | CUSTOM | LEFT ARROW | | 12+01 | 15.8' LT | EX. | EX. | EX. | | |
| R2-2 | R3-8 | ADVANCE INTERSECTION LANE CONTROL | N MERCER WAY | 12+85 | 19.2' LT | EX. | EX. | EX. | WOOD POST | |
| | CUSTOM | MERCER ISLAND TOWN CENTER ARROW | N MERCER WAY | 12+85 | 19.2' LT | EX. | EX. | EX. | WOOD POST | COORDINATE WITH CITY OF MERCER ISLAND FOR REPLACEMENT |
| R3-1 | R2-1 | SPEED LIMIT 25 | 80TH AVE SE | 7+45 | 31.8' LT | 24" | 30" | EX. | LUMINAIRE | REMOVE SIGN ATTACHED TO LUMINAIRE |
| R3-2 | CUSTOM | HOV LEFT TURN TO I-90 EAST | 80TH AVE SE | 8+19 | 31.7' LT | EX. | EX. | EX. | 2" X 2" PERF. | |

GENERAL SIGNING NOTES

1. CONTRACTOR SHALL PROTECT ALL SIGNS WITHIN THE PROJECT LIMITS NOT NOTED IN THE PLANS.
2. CONTRACTOR SHALL REMOVE SIGN, POST, FOUNDATION AND BACKFILL TO GRADE.
3. SEE DRAWING NO. E07-CMN002 FOR SIGNING NOTES AND SIGN INSTALLATION SCHEDULE.
4. SEE DRAWING NOS. E07-CMP001 TO E07-CMP004 FOR EXISTING AND PROPOSED SIGN LOCATIONS.
5. SIGNS DESIGNATED WITH "" ARE PER SOUND TRANSIT CUSTOMER SIGNAGE DESIGN MANUAL.

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|-------------------------|------|-----|-----|-----|---|---|---|--|---|--|--|--|--|
| <h1>ISSUED FOR BID</h1> | | | | | DESIGNED BY: R. KOESTER DRAWN BY: O. AHRENSFELD CHECKED BY: M. FELIBERTI APPROVED BY: A. WILEN |  |  |  <p>DAVID EVANS AND ASSOCIATES INC. 14432 SE Eastgate Way, Suite 400 Bellevue Washington 98007 Phone: 425.519.6500</p> |  | SCALE: NTS FILENAME: E135-E07-CMS001-002 CONTRACT No.: RTA/AE 0072-19 | <p>EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY</p> <p>SIGNING SCHEDULES</p> | DRAWING No.: E07-CMS001 LOCATION ID: E07 SHEET No.: 48 OF 104 REV: 0 | |
| No. | DATE | DSN | CHK | APP | REVISION | SUBMITTED BY: A. WILEN | | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 | DATE: 12/11/2020 | | |

SIGN INSTALLATION SCHEDULE

| SIGN NO. | SIGN DESIGNATION | SIGN DESCRIPTION | ALIGNMENT | STATION | OFFSET | SIGN WIDTH (X) | SIGN HEIGHT (Y) | VERTICAL CLEARANCE (V) | POST TYPE | REMARKS |
|----------|------------------|---|--------------|---------|-----------|----------------|-----------------|------------------------|---------------|--|
| S1-1 | D3-201 | ADVANCE STREET NAME (77TH AVE SE) | N MERCER WAY | 6+24 | 24.7' RT | 60" | 12" | -- | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| | W2-6 | ROUNDAABOUT WARNING | | 6+24 | 24.7' RT | 30" | 30" | 7' | | |
| | W13-1 | ADVISORY SPEED (25 MPH) | | 6+24 | 24.7' RT | 18" | 18" | 5.5' | | |
| S1-2 | R4-7 | KEEP RIGHT | N MERCER WAY | 8+22 | 0.0' | 24" | 30" | 7' | 2" X 2" PERF. | |
| S1-3 | R1-2 | YIELD | N MERCER WAY | 9+32 | 8.0' RT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-4 | R1-2 | YIELD | N MERCER WAY | 9+24 | 32.0' RT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-5 | R6-1R | ONE WAY (RIGHT) | N MERCER WAY | 9+85 | 22.7' RT | 36" | 12" | -- | 2" X 2" PERF. | |
| | R6-4 | ROUNDAABOUT DIRECTION (2 CHEVRONS) | | 9+85 | 22.7' RT | 30" | 24" | 7' | | |
| S1-6 | D3-302 MOD | STREET NAME (1 LINE) - 77TH AVE SE | 77TH AVE SE | 5+34 | 12.8' LT | 72" | 12" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| S1-7 | R4-7 | KEEP RIGHT | 77TH AVE SE | 4+81 | 2.7' LT | 24" | 30" | 7' | 2" X 2" PERF. | |
| S1-8 | D3-201 | ADVANCE STREET NAME (NORTH MERCER WAY) | 77TH AVE SE | 2+98 | 27.4' RT | 72" | 12" | -- | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| | W2-6 | ROUNDAABOUT WARNING | | 2+98 | 27.4' RT | 30" | 30" | 7' | | |
| | W13-1 | ADVISORY SPEED (25 MPH) | | 2+98 | 27.4' RT | 18" | 18" | 5.5' | | |
| S1-9 | R1-2 | YIELD | 77TH AVE SE | 5+32 | 6.4' RT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-10 | R1-2 | YIELD | 77TH AVE SE | 5+33 | 33.7' RT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-11 | R6-1R | ONE WAY (RIGHT) | N MERCER WAY | 10+10 | 25.6' RT | 36" | 12" | -- | 2" X 2" PERF. | |
| | R6-4 | ROUNDAABOUT DIRECTION (2 CHEVRONS) | | 10+10 | 25.6' RT | 30" | 24" | 7' | | |
| S1-12 | W11-2 | PEDESTRIAN WARNING | N MERCER WAY | 10+76 | 35.1' RT | 30" | 30" | 7' | 2" X 2" PERF. | |
| | W16-7PL | DOWNWARD DIAGONAL ARROW (LEFT) | | 10+76 | 35.1' RT | 24" | 12" | 6' | | |
| S1-13 | R4-7 | KEEP RIGHT | N MERCER WAY | 11+06 | 1.5' RT | 24" | 30" | 7' | 2" X 2" PERF. | |
| S1-14 | D3-302 MOD | STREET NAME (1 LINE) - NORTH MERCER WAY | N MERCER WAY | 10+68 | 8.2' RT | 78" | 12" | -- | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| S1-15 | R1-2 | YIELD | N MERCER WAY | 10+68 | 5.2' LT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-16 | W11-2 | PEDESTRIAN WARNING | N MERCER WAY | 11+04 | 18.9' LT | 30" | 30" | 7' | 2" X 2" PERF. | |
| | W16-7PL | DOWNWARD DIAGONAL ARROW (LEFT) | | 11+04 | 18.9' LT | 24" | 12" | 6' | | |
| S1-17 | R1-2 | YIELD | N MERCER WAY | 10+74 | 29.2' LT | 36" | 31" | 7' | 2" X 2" PERF. | |
| S1-18 | R6-1R | ONE WAY (RIGHT) | N MERCER WAY | 10+22 | 16.1' LT | 36" | 12" | -- | 2" X 2" PERF. | |
| | R6-4 | ROUNDAABOUT DIRECTION (2 CHEVRONS) | | 10+22 | 16.1' LT | 30" | 24" | 7' | | |
| S1-19 | D3-302 MOD | STREET NAME (1 LINE) - NORTH MERCER WAY | N MERCER WAY | 9+34 | 12.7' LT | 78" | 12" | -- | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| S1-20 | D11-1 | BIKE ROUTE | N MERCER WAY | 11+30 | 46.5' LT | 24" | 18" | 7' | 2" X 2" PERF. | PER WSDOT SIGN FAB. MANUAL |
| | M6-7L | DIRECTIONAL ARROWS | | 11+30 | 46.5' LT | 21" | 15" | -- | | PER WSDOT SIGN FAB. MANUAL |
| | D11-1 | BIKE ROUTE | | 11+37 | 65.3' LT | 24" | 18" | -- | | PER WSDOT SIGN FAB. MANUAL |
| S1-21 | M6-6 | DIRECTIONAL ARROWS | N MERCER WAY | 11+37 | 65.3' LT | 21" | 15" | -- | 2" X 2" PERF. | PER WSDOT SIGN FAB. MANUAL |
| | R5-3 | NO MOTOR VEHICLES | | 11+37 | 65.3' LT | 24" | 24" | 5' | | |
| S1-22 | CUSTOM | MERCER ISLAND FARMERS MARKET | N MERCER WAY | 11+35 | 17.6' LT | -- | -- | 7' | 2" X 2" PERF. | RELOCATE EXISTING TO NEW POLE |
| | CUSTOM | LEFT ARROW | | 11+35 | 17.6' LT | -- | -- | -- | | RELOCATE EXISTING TO NEW POLE |
| S1-23 | CUSTOM | I-90 EAST/WEST GUIDE SIGN | 77TH AVE SE | 4+99 | 39.7' RT | 24" | 72" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| S1-24 | R9-3 | NO PEDESTRIAN CROSSING (SYMBOL) | N MERCER WAY | 9+02 | 24.3' RT | 24" | 24" | 7' | 2" X 2" PERF. | |
| S1-25 | R9-3 | NO PEDESTRIAN CROSSING (SYMBOL) | 77TH AVE SE | 5+24 | 41.4' RT | 24" | 24" | 7' | 2" X 2" PERF. | |
| S1-26 | D11-1C | BIKE ROUTE TO DOWNTOWN | N MERCER WAY | 8+34 | 25.00' LT | 24" | 18" | EX. | 2" X 2" PERF. | PER WSDOT SIGN FAB. MANUAL |
| | M5-1R | DIRECTIONAL ARROW | | 8+34 | 25.00' LT | 21" | 15" | EX. | | PER WSDOT SIGN FAB. MANUAL |
| S1-27 | CUSTOM | I-90 WEST LEFT LANE | N MERCER WAY | 8+48 | 25.6' LT | 42" | 66" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| S2-1 | CUSTOM | MERCER ISLAND TOWN CENTER ARROW | N MERCER WAY | 12+89 | 17.5' LT | -- | -- | 7' | 2" X 2" PERF. | RELOCATE EXISTING TO NEW POLE |
| S2-2 | D3-201 | ADVANCE STREET NAME (77TH AVE SE) | N MERCER WAY | 13+67 | 17.9' LT | 24" | 12" | -- | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET |
| | W2-6 | ROUNDAABOUT WARNING | | 13+67 | 17.9' LT | 30" | 30" | 7' | | |
| | W13-1 | ADVISORY SPEED (25 MPH) | | 13+67 | 17.9' LT | 18" | 18" | 5.5' | | |
| S2-3 | R7-107 MOD | NO PARKING (BUSES ONLY) | N MERCER WAY | 11+52 | 17.6' LT | 12" | 18" | 7' | 2" X 2" PERF. | |
| S3-1 | A1* | TRANSIT LOGO PANEL | 80TH AVE SE | 7+46 | 57.6' LT | 36" | 24" | 15' | CUSTOM | INSTALL WITH CUSTOM FOOTING PER DETAIL ON DRAWING NO. E07-SWD004 (SIGNS DETAILS) |
| | A1* | ICON PANEL | 80TH AVE SE | 7+46 | 57.6' LT | 38" | 62" | 9' | | |
| S3-2 | R2-1 | SPEED LIMIT 25 | 80TH AVE SE | 6+95 | 29.7' LT | 24" | 30" | 7' | LUMINAIRE | INSTALL SIGN ON LUMINAIRE |
| S3-3 | CUSTOM | HOV LEFT TURN TO I-90 EAST | 80TH AVE SE | 9+25 | 28.9' LT | 54" | 72" | 7' | 2" X 2" PERF. | REPLICATE EXISTING PER WSDOT SIGN FAB. MANUAL |
| S3-4 | R7-107 MOD | NO PARKING OR STOPPING FIRE LANE | 80TH AVE SE | 8+69 | 31.2' LT | 12" | 18" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET AND IFC APPENDIX D |
| S3-5 | R7-107 MOD | NO PARKING OR STOPPING FIRE LANE | 80TH AVE SE | 8+26 | 31.2' LT | 12" | 18" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET AND IFC APPENDIX D |
| S3-6 | CUSTOM | RESERVED SOUND TRANSIT SERVICE VEHICLE PARKING ONLY | 80TH AVE SE | 8+00 | 31.2' LT | 12" | 18" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET. BLUE ON WHITE. SEE PAGE 3B-41 IN ST CUSTOMER SIGNAGE DESIGN MANUAL |
| S3-7 | CUSTOM | RESERVED SOUND TRANSIT SERVICE VEHICLE PARKING ONLY | 80TH AVE SE | 7+46 | 31.2' LT | 12" | 18" | 7' | 2" X 2" PERF. | SEE SIGN DETAIL THIS SHEET. BLUE ON WHITE. SEE PAGE 3B-41 IN ST CUSTOMER SIGNAGE DESIGN MANUAL |

GENERAL SIGNING NOTES

- ALL SIGN POST LOCATIONS SHALL BE MARKED OR STAKED PRIOR TO SIGN INSTALLATION FOR APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT ALL SIGNS WITHIN THE PROJECT LIMITS NOT NOTED IN THE PLANS.
- ALL SIGNS SHALL BE INSTALLED PER CITY OF MERCER ISLAND STD. PLAN TR-4.
- ALL SIGNS ON THE 77TH AVE SE AND 80TH AVE SE BRIDGE DECKS SHALL BE INSTALLED PER DRAWING NO. E07-SWD005
- ALL SIGNS SHALL BE INSTALLED 7 FEET FROM FINISHED GRADE TO THE BOTTOM OF THE SIGN UNLESS NOTED OTHERWISE IN THE SIGN SCHEDULE.
- SEE DRAWING NO. E07-CMN001 FOR SIGN REMOVAL SCHEDULE.
- SEE DRAWING NOS. E07-CMP001 TO E07-CMP004 FOR EXISTING AND PROPOSED SIGN LOCATIONS.
- SIGNS DESIGNATED WITH "" ARE PER SOUND TRANSIT CUSTOMER SIGNAGE DESIGN MANUAL.

77TH AVE SE

S1-1 & S2-2 (D3-201)

77TH AVE SE

S1-6 (D3-302)

S1-23 (M8-301)

S3-4 (R7-107 (MOD))

N MERCER WAY

S1-8 (D3-201)

N MERCER WAY

S1-14 & S1-19 (D3-302)

S1-27 (M8-101 (MOD))

S3-6 & S3-7 (CUSTOM)

S3-5 (R7-107 (MOD))

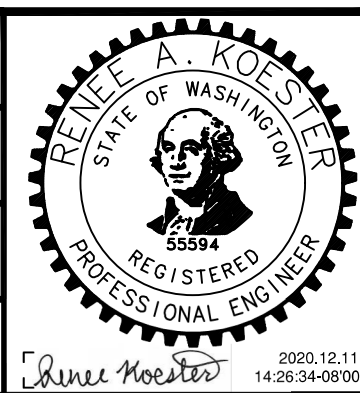
ISSUED FOR BID

DESIGNED BY:
R. KOESTER

DRAWN BY:
O. AHRENSFELD

CHECKED BY:
M. FELIBERTI

APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
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CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

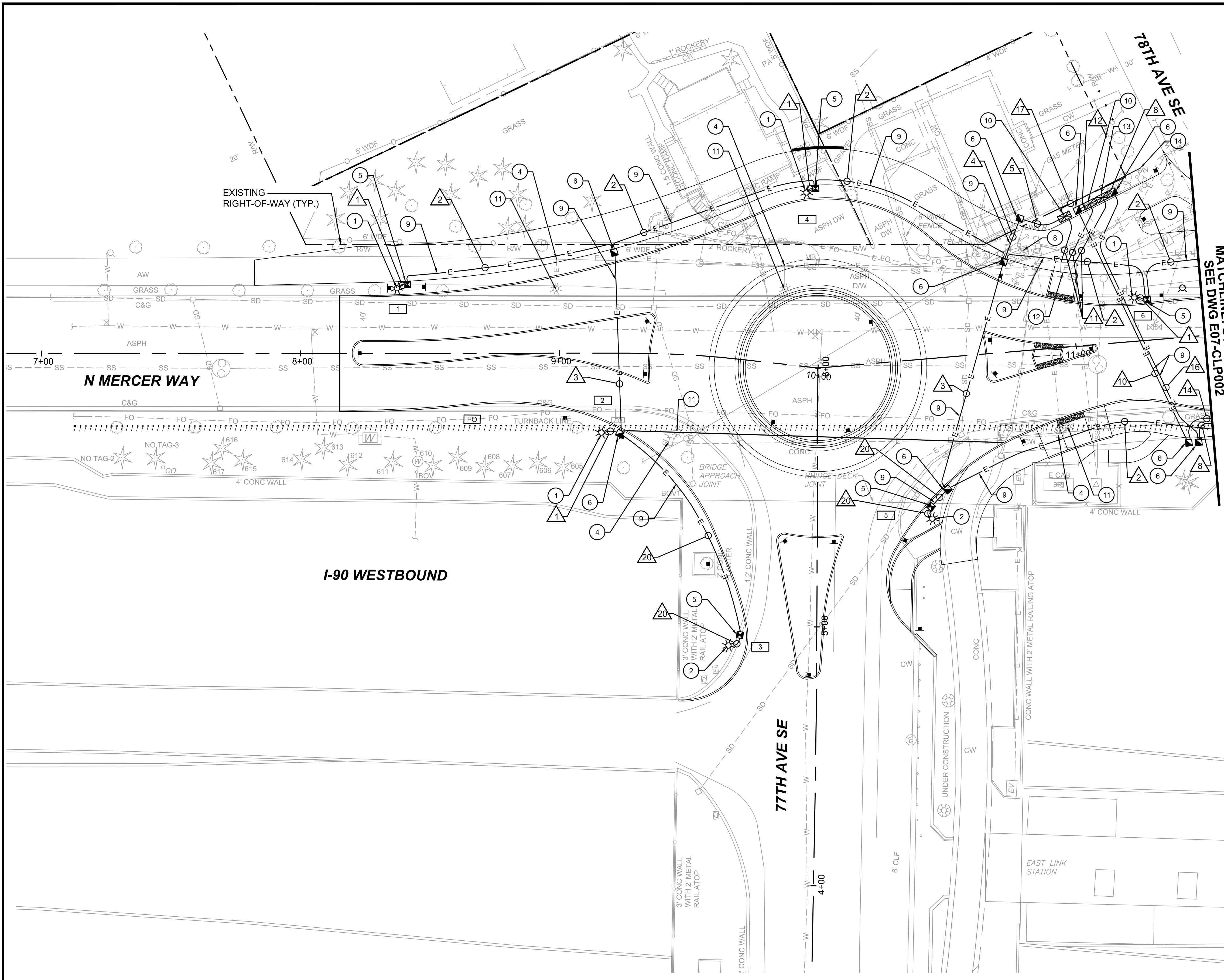
SIGNING SCHEDULES

DRAWING No.:
E07-CMS002

LOCATION ID:
E07

SHEET No.:
49 OF 104

REV:
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ILLUMINATION NOTES:

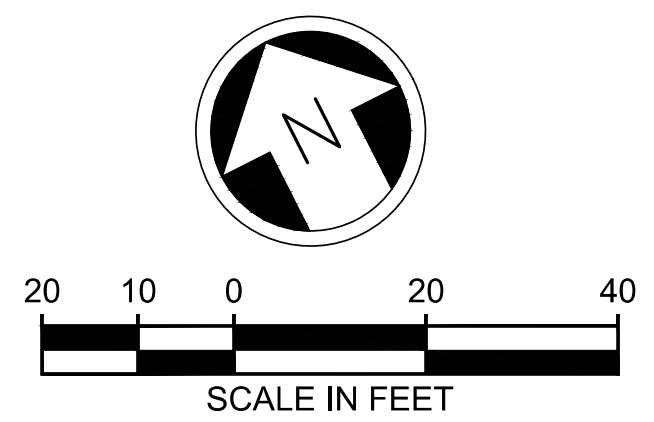
- ① CONSTRUCT CONCRETE FOUNDATION AND INSTALL 25' CONCRETE POLE, EATON GAN GALLEON LED LUMINAIRE, HOUSE SIDE SHIELD, CONDUCTORS, AND ALL ASSOCIATED CONDUITS/BENDS PER CITY OF MERCER ISLAND STANDARD DETAIL IL-1B.
- ② CONSTRUCT CONCRETE FOUNDATION PER ROADWAY LUMINAIRE FOUNDATION DETAIL ON E07-SWD004. INSTALL 25' CONCRETE POLE, EATON GAN GALLEON LED LUMINAIRE, HOUSE SIDE SHIELD, CONDUCTORS, AND ALL ASSOCIATED CONDUITS/BENDS PER CITY OF MERCER ISLAND STANDARD DETAIL IL-1B.
- ④ REMOVE EXISTING JUNCTION BOX AND CONDUIT ELBOWS/BENDS COMPLETELY. BACKFILL TO GRADE.
- ⑤ INSTALL TYPE 1 JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
- ⑥ INSTALL TYPE 2 JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
- ⑧ REMOVE EXISTING ELECTRICAL SERVICE CABINET, FOUNDATION, ASSOCIATED JUNCTION BOXES, AND CONDUIT ELBOWS COMPLETELY. COORDINATE WITH PSE TO CUT AND REMOVE UNMETERED POWER FEED FROM TRANSFORMER. CONTRACTOR TO THEN REMOVE WIRING AND ABANDON CONDUIT IN PLACE. BACKFILL TO FINISHED GRADE.
- ⑨ INSTALL CONDUIT PER WSDOT STD. PLAN J-10. PROOF CONDUIT ONCE INSTALLED PRIOR TO INSTALLATION OF CONDUCTORS.
- ⑩ CONSTRUCT AND INSTALL TYPE D ELECTRICAL SERVICE FOUNDATION AND CABINET PER WSDOT STD. PLAN J-10.21-00 AND J-10.10-03.
- ⑪ REMOVE EXISTING LUMINAIRE, FOUNDATION, AND CONDUIT ELBOWS COMPLETELY. CONTRACTOR TO REMOVE WIRING AND ABANDON CONDUIT IN PLACE. BACKFILL TO FINISHED GRADE.
- ⑫ CONTRACTOR TO COORDINATE CONDUIT CONNECTION TO EXISTING VAULT WITH PSE. CONTACT PSE AT LEAST 60 DAYS PRIOR TO CONSTRUCTION.
- ⑬ CONSTRUCT AND INSTALL POWER PEDESTAL FOUNDATION PER KING COUNTY METRO STANDARD PLAN D112. INSTALL 100 AMP SKYLINE ELECTRIC ALUMINUM PADMOUNT SERVICE CABINET WITH 60 AMP MAIN BREAKER, 25 AMP BREAKER FOR TECH PYLON, 20 AMP BREAKER FOR BUS SHELTERS, TWO 20 AMP SPARE BREAKERS, AND ONE 20 AMP GROUND FAULT RECEPTACLE BRANCH BREAKER.
- ⑭ POWER CONNECTION FOR IRRIGATION METER. COORDINATE WITH IRRIGATION PLANS AND MANUFACTURERS GUIDELINES ON ROUTING CONDUIT INTO THE CONTROLLER BASE.

GENERAL NOTES:

1. SEE DRAWING NO. E07-CLS001 FOR ILLUMINATION NOTES, WIRE SCHEDULE, AND BREAKER SCHEDULES.

LEGEND:

- POLE & LED LUMINAIRE
- ILLUMINATION CONDUIT
- JUNCTION BOX (TYPE 1 & 2)
- ELECTRICAL SERVICE CABINET (TYPE D)
- CONSTRUCTION NOTE
- WIRE NOTE
- LUMINAIRE NUMBER



MATCHLINE: STA 11+50.00
SEE DWG E07-CLP002

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ISSUED FOR BID

DESIGNED BY:
A. WILEN
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

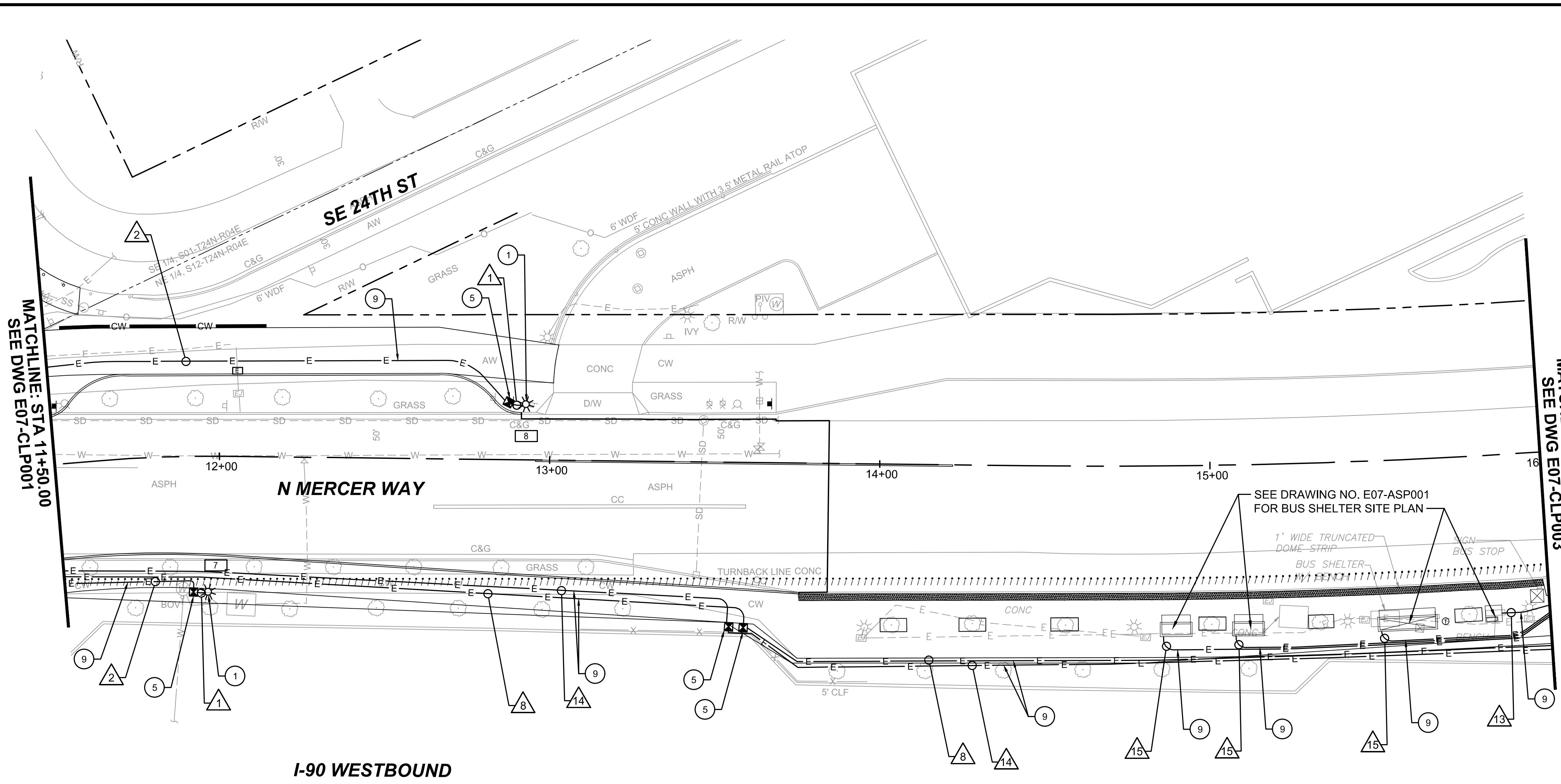
DATE:
12/11/2020



SCALE:
1" = 20'
FILENAME:
E135-E07-CLP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ILLUMINATION PLAN

DRAWING No.:
E07-CLP001
LOCATION ID:
E07
SHEET No.:
50 OF 104
REV:
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ILLUMINATION NOTES:

- ① CONSTRUCT CONCRETE FOUNDATION AND INSTALL 25' CONCRETE POLE, EATON GAN GALLEON LED LUMINAIRE, HOUSE SIDE SHIELD, CONDUCTORS, AND ALL ASSOCIATED CONDUITS/BENDS PER CITY OF MERCER ISLAND STANDARD DETAIL IL-1B.
- ⑤ INSTALL TYPE 1 JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
- ⑨ INSTALL CONDUIT PER WSDOT STD. PLAN J-10. PROOF CONDUIT ONCE INSTALLED PRIOR TO INSTALLATION OF CONDUCTORS.

GENERAL NOTES:

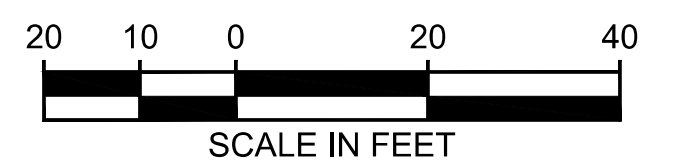
- 1. SEE DRAWING NO. E07-CLS001 FOR ILLUMINATION NOTES, WIRE SCHEDULE, AND BREAKER SCHEDULES.

LEGEND:

- POLE & LED LUMINAIRE
- ILLUMINATION CONDUIT
- JUNCTION BOX (TYPE 1 & 2)
- ELECTRICAL SERVICE CABINET (TYPE D)
- CONSTRUCTION NOTE
- WIRE NOTE
- LUMINAIRE NUMBER

MATCHLINE: STA 11+50.00
SEE DWG E07-CLP001

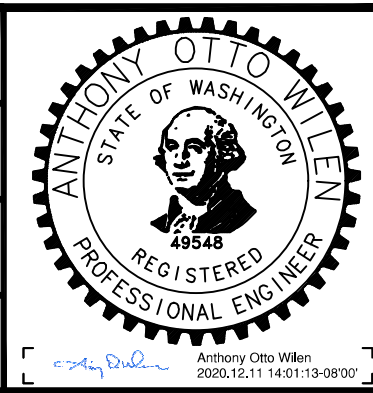
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ISSUED FOR BID

DESIGNED BY:
A. WILEN
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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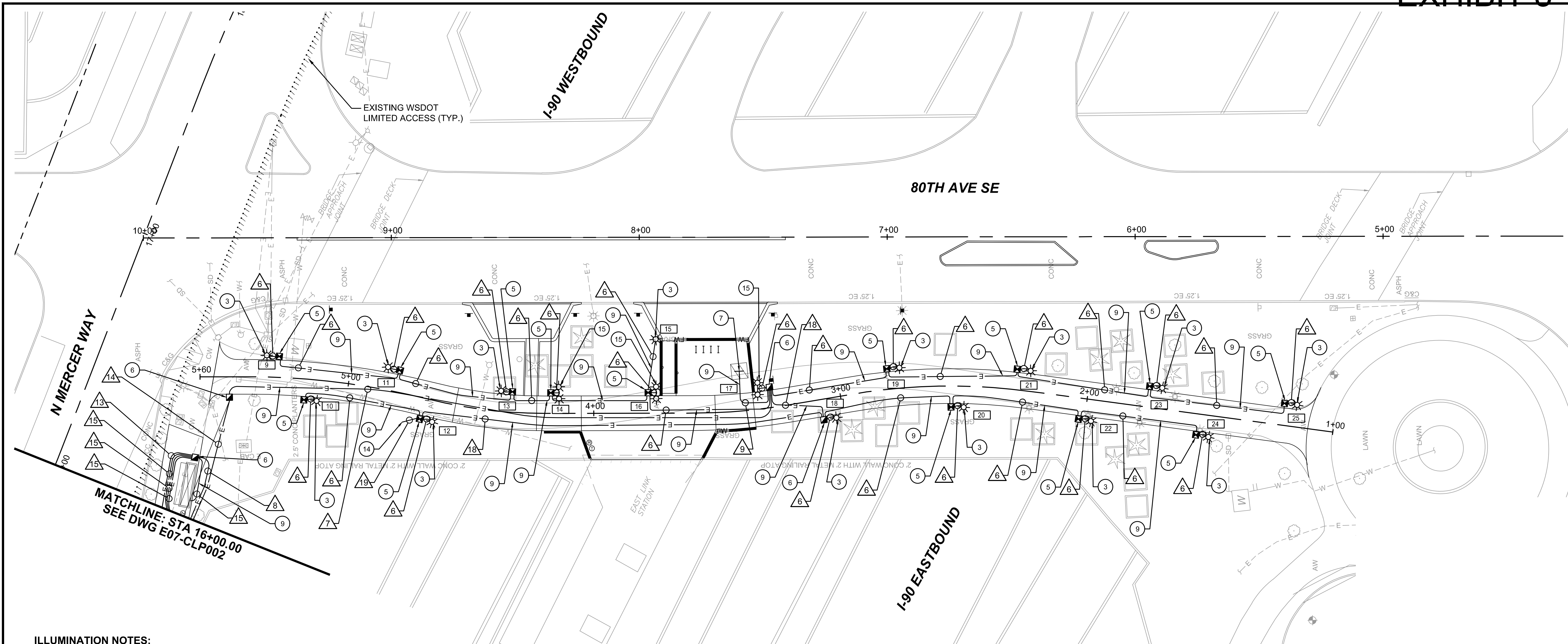


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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ILLUMINATION PLAN

DRAWING No.:
E07-CLP002
LOCATION ID:
E07
SHEET No.:
51 OF 104
REV:
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SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



ILLUMINATION NOTES:

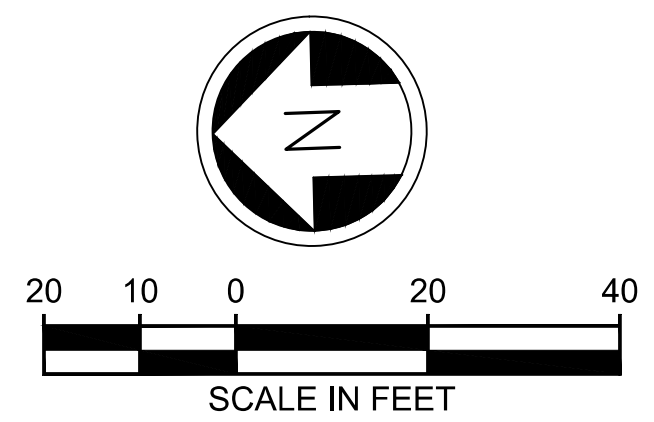
- 3 CONSTRUCT CONCRETE FOUNDATION PER PEDESTRIAN LUMINAIRE FOUNDATION DETAIL, INSTALL 15'-7" DECORATIVE BEGA #927 POLE MODIFIED WITH DECORATIVE RINGS, GFIC, AND NOTCHED DOOR; SINGLE-ARM BEGA LED LUMINAIRE 77910 WITH 19W ARRAY; CONDUCTORS; AND ALL ASSOCIATED CONDUITS/BENDS PER STRUCTURAL DETAILS ON E07-SWD004.
- 5 INSTALL TYPE 1 JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
- 6 INSTALL TYPE 2 JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
- 7 INSTALL CONDUIT AND STUB-UP TO BIKE LOCKER BOX. COORDINATE WITH MANUFACTURERS DRAWINGS ON CONDUIT PLACEMENT.
- 9 INSTALL CONDUIT PER WSDOT STD. PLAN J-10. PROOF CONDUIT ONCE INSTALLED PRIOR TO INSTALLATION OF CONDUCTORS.
- 14 POWER CONNECTION FOR IRRIGATION METER. COORDINATE WITH IRRIGATION PLANS AND MANUFACTURERS GUIDELINES ON ROUTING CONDUIT INTO THE CONTROLLER BASE.
- 15 CONSTRUCT CONCRETE FOUNDATION PER PEDESTRIAN LUMINAIRE FOUNDATION DETAIL, INSTALL 15'-7" DECORATIVE BEGA #927 POLE MODIFIED WITH DECORATIVE RINGS, GFIC, AND NOTCHED DOOR; DUAL-ARM BEGA LED LUMINAIRE 77910 WITH 19W ARRAY; CONDUCTORS; AND ALL ASSOCIATED CONDUITS/BENDS PER STRUCTURAL DETAILS ON E07-SWD004.

GENERAL NOTES:

- 1. SEE DRAWING NO. E07-CLS001 FOR ILLUMINATION NOTES, WIRE SCHEDULE, AND BREAKER SCHEDULES.

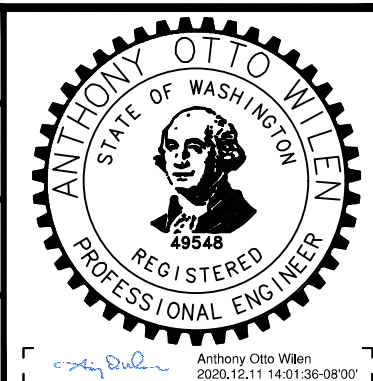
LEGEND:

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- ILLUMINATION CONDUIT
- JUNCTION BOX (TYPE 1 & 2)
- ELECTRICAL SERVICE CABINET (TYPE D)
- CONSTRUCTION NOTE
- WIRE NOTE
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ISSUED FOR BID

DESIGNED BY:
A. WILEN
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ILLUMINATION PLAN

DRAWING No.:
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LOCATION ID:
E07
SHEET No.:
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| No. | DATE | DSN | CHK | APP | REVISION |
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GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY THE LUMINAIRE MOUNTING AND LOCATION AGAINST THE PLANS, ELEVATIONS, AND DETAIL DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER, SOUND TRANSIT ARCHITECT, AND LIGHTING DESIGNER FOR RESOLUTION PRIOR TO ROUGH-IN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION AND MOUNTING OF ALL LUMINAIRES WITH OTHER EQUIPMENT INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, CONDUITS, JUNCTION BOXES, AND SIGNING.
- THE CONTRACTOR SHALL VERIFY LUMINAIRE FINISH AND COLOR WITH THE RESIDENT ENGINEER, SOUND TRANSIT ARCHITECT, CITY OF MERCER ISLAND, AND LIGHTING DESIGNER PRIOR TO LUMINAIRE ORDER.
- THE CONTRACTOR SHALL FURNISH ALL LUMINAIRES COMPLETE WITH MOUNTING ACCESSORIES AND MISCELLANEOUS HARDWARE TO MEET THE PROJECT REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CORRECT LAMP AND LED TYPES, WATTAGE, BALLASTS, AND DRIVERS.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTING SUBMITTAL PACKAGE AS DEFINED IN THE SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL VENDORS AND LIGHTING MANUFACTURERS ARE PROVIDED WITH THE LIGHTING PLANS, DETAILS, SCHEDULES, AND SPECIFICATIONS PRIOR TO BID AND LUMINAIRE ORDER.
- THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL CONTINUOUS ROW LUMINAIRES AND NON STANDARD LUMINAIRES. THE SHOP DRAWINGS SHALL CLEARLY INDICATE THE INSTALLATION, DIMENSIONS, WEIGHT, LOADS, REQUIRED CLEARANCES, METHODS OF FIELD ASSEMBLY, AND WIRING FOR POWER AND CONTROLS.
- THE LIGHTING DESIGN INCLUDING THE LIGHT LEVEL CALCULATIONS AND AESTHETICS ARE BASED ON THE LUMINAIRES OUTLINED IN THE LUMINAIRE SCHEDULE, NOTES, AND SPECIFICATIONS. SUBSTITUTIONS TO THE MANUFACTURER AND CATALOG NUMBERS IN THE SCHEDULE SHALL REQUIRE PRIOR APPROVAL OF THE OWNER, ARCHITECT, AND LIGHTING DESIGNER AND SHALL MEET OR EXCEED THE LUMINAIRE DEFINED ON THE LUMINAIRE SCHEDULE AND SPECIFICATIONS. IF SUBSTITUTIONS ARE ACCEPTED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL CHANGES TO THE LIGHTING AND ELECTRICAL CALCULATIONS, DESIGN DRAWINGS, AND INSTALLATION REQUIRED BY THE SUBSTITUTION AT HIS/HER OWN COST.
- ALL LUMINAIRES SHALL HAVE A UL LABEL. SEE SPECIFICATIONS FOR OTHER LABELING REQUIREMENTS.
- ALL LUMINAIRES SHALL COMPLY WITH THE BUY AMERICA ACT.
- ALL ELECTRICAL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE, STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND ANY LOCAL ORDINANCES THAT MAY APPLY.
- ALL CONDUITS SHALL CONTAIN GROUND WIRE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MINIMUM SIZE #8 AWG) OR AS NOTED IN THE WIRING SCHEDULE.
- SCHEDULE 80 RIGID PVC CONDUIT SHALL BE USED FOR ALL STREET CROSSINGS AND UNDER ALL DRIVEWAYS. SCHEDULE 40 RIGID PVC CONDUIT SHALL BE USED ELSEWHERE.
- ALL SPARE/EMPTY CONDUIT SHALL CONTAIN TONEABLE POLY PULL-LINE (1,200# MINIMUM STRENGTH).
- THE CONDUIT RUNS AND JUNCTION BOX LOCATIONS ON THE PLANS ARE SCHEMATIC. HOWEVER, THEY SHOULD BE FOLLOWED AS CLOSELY AS SITE CONDITIONS ALLOW AND PER IDENTIFIED STANDARD PLANS. THEY MAY BE REVISED, AS DIRECTED BY THE RESIDENT ENGINEER, TO ALLOW FOR UNFORESEEN CONFLICTS.
- THE TOTAL NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL BE NOT BE MORE THAN THE EQUIVALENT OF THREE QUARTER BENDS (270 DEGREES TOTAL). IF THE NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES AS REQUIRED.
- ALL JUNCTION BOXES LOCATED WITHIN THE SIDEWALK SHALL HAVE ADA COMPLIANT NON-SKID COVERS, GRATES, AND FRAMES.
- ANY JUNCTION BOX FOR THE ILLUMINATION SYSTEM SHALL HAVE "LT" ON THE LID, IN LETTERS NO SMALLER THAN 1".
- ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO FINAL INSPECTION AT THE COST OF THE CONTRACTOR.

| WIRING SCHEDULE | | | | | | |
|-----------------|--------------|--------------|--|--------------------|------------|--|
| NO. # | CONDUIT SIZE | CONDUIT TYPE | CONDUCTORS | ELECTRICAL SERVICE | CIRCUIT | COMMENTS |
| 1 | 2" | PVC 40 | 2-#8 AWG LIGHTING, 2-#8 POLE RECEPTACLE, 1-#8 GND | COMI | A, B | ROADWAY LIGHTS AND GFCI, TYPICAL, BOX TO POLE |
| 2 | 2" | PVC 40 | 2-#8 AWG LIGHTING, 2-#6 POLE RECEPTACLE, 1-#6 GND | COMI | A, B | |
| 3 | 2" | PVC 80 | 2-#8 AWG LIGHTING, 2-#6 POLE RECEPTACLE, 1-#6 GND | COMI | A, B | |
| | 2" | PVC 80 | --- | COMI | --- | SPARE CONDUIT |
| 4 | 3" | PVC 40 | 2-#8 AWG LIGHTING, 2-#6 POLE RECEPTACLE, 1-#6 GND | COMI | A, B | |
| 5 | 3" | PVC 40 | 2-#8 AWG LIGHTING, 2-#6 POLE RECEPTACLE, 1-#6 GND | COMI | A, B | |
| | 3" | PVC 40 | --- | COMI | --- | SPARE CONDUIT |
| 6 | 2" | GRS | 2-#8 AWG LIGHTING, 2-#4 GFCI, 1-#4 GND | ST | B, C | PEDESTRIAN LIGHTS AND GFCI, TYPICAL, BOX TO POLE |
| 7 | 2" | GRS | 2-#6 BIKE, 3-#8 AWG LTG, 2-#4 GFCI, 2-#8 IRRIG, 1-#4 GND | ST | A, B, C, D | |
| 8 | 2" | PVC 40 | 2-#8 AWG KCM TECH, 2-#8 AWG KCM SHELTER, 1-#8 GND | KCM | A, B | |
| 9 | 2" | GRS | 2-#6 AWG BIKE LOCKER POWER FEED, 1-#6 GND | ST | A | |
| 10 | 3" | PVC 80 | 2-#6 BIKE, 3-#8 AWG LTG, 2-#4 GFCI, 2-#8 IRRIG, 1-#4 GND | ST | A, B, C, D | |
| | 2" | PVC 80 | --- | ST | --- | SPARE CONDUIT |
| 11 | 2" | PVC 40 | 3-#2/0 UNMETERED POWER FEED FROM PSE VAULT | COMI/ST/KCM | --- | |
| 12 | 3" | PVC 40 | 2-#6 BIKE, 3-#8 AWG LTG, 2-#4 GFCI, 2-#8 IRRIG, 1-#4 GND | ST | A, B, C, D | |
| | 3" | PVC 40 | --- | ST | --- | SPARE CONDUIT |
| 13 | 1" | GRS | 2-#12 AWG TECH PYLON; 1-#12 GND | KCM | A | |
| 14 | 3" | PVC 40 | 2-#6 BIKE, 3-#8 AWG LTG, 2-#4 GFCI, 2-#8 IRRIG, 1-#4 GND | ST | A, B, C, D | |
| 15 | 1" | GRS | 2-#12 AWG SHELTER LIGHTING; 1-#12 GND | KCM | B | |
| 16 | 2" | PVC 80 | 2-#8 AWG KCM TECH, 2-#8 AWG KCM SHELTER, 1-#8 GND | KCM | A, B | |
| 17 | 2" | PVC 40 | 2-#8 IRRIGATION, 1-#8 GND | COMI | D | |
| 18 | 2" | GRS | 3-#8 AWG LTG, 2-#4 GFCI, 2-#8 IRRIG, 1-#4 GND | ST | B, C, D | |
| 19 | 2" | GRS | 2-#8 IRRIGATION, 1-#8 GND | ST | D | |
| 20 | 2" | GRS | 2-#8 AWG LIGHTING, 2-#6 POLE RECEPTACLE, 1-#6 GND | COMI | A, B | |

| LUMINAIRE SCHEDULE | | | | | | | |
|--------------------|---------------|---------------------|----------------------|--------------------------------|-------------------|-----------|-------------------|
| # NO. | ALIGNMENT | STATION, OFFSET | MAST ARM LENGTH (FT) | LUMINAIRE MOUNTING HEIGHT (FT) | LUMINAIRE WATTAGE | BASE | COMMENTS |
| 1 | N MERCER | 8+37.11 (25.1' LT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 2 | N MERCER | 9+16.11 (30.7' RT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 3 | 77TH AVE | 4+92.68 (34.1' LT) | TENON W/ HEAD | 25' | 113W | FIXED LID | |
| 4 | N MERCER | 9+87.98 (66.9' LT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 5 | N MERCER | 10+39.12 (61.7' RT) | TENON W/ HEAD | 25' | 113W | FIXED LID | |
| 6 | N MERCER | 11+24.00 (16.9' LT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 7 | N MERCER | 11+96.51 (41.1' RT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 8 | N MERCER | 12+92.63 (16.9' LT) | TENON W/ HEAD | 25' | 113W | FIXED | |
| 9 | 80TH SIDEWALK | 5+33.24 (8.7' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 10 | 80TH SIDEWALK | 5+12.19 (8.5' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 11 | 80TH SIDEWALK | 4+85.52 (9.2' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 12 | 80TH SIDEWALK | 4+63.66 (8.5' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 13 | 80TH SIDEWALK | 4+38.14 (8.3' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 14 | 80TH SIDEWALK | 4+14.08 (8.3' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 38W | FIXED LID | DUAL HEAD FIXTURE |
| 15 | 80TH SIDEWALK | 3+74.98 (29.8' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 16 | 80TH SIDEWALK | 3+74.82 (8.3' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 38W | FIXED LID | DUAL HEAD FIXTURE |
| 17 | 80TH SIDEWALK | 3+32.91 (8.3' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 38W | FIXED LID | DUAL HEAD FIXTURE |
| 18 | 80TH SIDEWALK | 3+03.09 (8.4' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 19 | 80TH SIDEWALK | 2+75.36 (8.3' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 20 | 80TH SIDEWALK | 2+49.89 (8.4' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 21 | 80TH SIDEWALK | 2+24.07 (8.3 RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 22 | 80TH SIDEWALK | 1+97.26 (8.6' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 23 | 80TH SIDEWALK | 1+70.56 (8.5' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 24 | 80TH SIDEWALK | 1+49.52 (8.6' LT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |
| 25 | 80TH SIDEWALK | 1+15.73 (8.9' RT) | 1'-8 5/8" | 12'-2" T.O.P., 15'-7" T.O.A. | 19W | FIXED LID | |

T.O.P. = TOP OF POLE. T.O.A. = TOP OF ARM

| BREAKER SCHEDULE | | | | | |
|---|--------------------|----------------|------------------|---------|------------|
| CITY OF MERCER ISLAND (COMI) SERVICE | | | 120/240 V | | |
| CIRCUIT | DESCRIPTION | BREAKER RATING | CONTACTOR RATING | VOLTAGE | LOAD (KVA) |
| --- | MAIN | 200 AMP | --- | 120/240 | --- |
| A | ILLUMINATION A | 30 AMP | 30 AMP | 240 | 1.266 |
| B | POLE GFCI | 20 AMP | N/A | 120 | 2.240 |
| C | ILLUMINATION SPARE | 30 AMP | N/A | 240 | 0.456 |
| D | IRRIGATION | 20 AMP | N/A | 120 | 0.000 |
| E | SPARE | 20 AMP | N/A | 120 | 0.000 |
| F | GFCI | 20 AMP | N/A | 120 | 1.800 |
| G | PHOTOCELL | 15 AMP | N/A | 120 | 0.001 |
| BUSWORK SHALL BE RATED AT 250 AMP MINIMUM | | | PEAK | 5.763 | |
| | | | CONTINUOUS | 3.963 | |

| BREAKER SCHEDULE | | | | | |
|---|--------------------|----------------|------------------|---------|------------|
| SOUND TRANSIT (ST) SERVICE | | | 120/240 V | | |
| CIRCUIT | DESCRIPTION | BREAKER RATING | CONTACTOR RATING | VOLTAGE | LOAD (KVA) |
| --- | MAIN | 200 AMP | --- | 120/240 | --- |
| A | BIKE LOCKERS | 20 AMP | N/A | 120 | 0.600 |
| B | 80TH FRONTAGE ILL. | 30 AMP | N/A | 240 | 0.612 |
| C | POLE GFCI | 20 AMP | N/A | 120 | 0.840 |
| D | IRRIGATION | 20 AMP | N/A | 120 | 0.456 |
| E | GFCI | 20 AMP | N/A | 120 | 1.800 |
| F | PHOTOCELL | 15 AMP | N/A | 120 | 0.001 |
| BUSWORK SHALL BE RATED AT 250 AMP MINIMUM | | | PEAK | 4.309 | |
| | | | CONTINUOUS | 2.509 | |

| BREAKER SCHEDULE | | | | | |
|---|--------------------|----------------|------------------|---------|------------|
| KING COUNTY METRO (KCM) SERVICE | | | 120/240 V | | |
| CIRCUIT | DESCRIPTION | BREAKER RATING | CONTACTOR RATING | VOLTAGE | LOAD (KVA) |
| --- | MAIN | 60 AMP | --- | 120/240 | --- |
| A | KCM BUS TECH PYLON | 25 AMP | 30 AMP | 120 | 0.084 |
| B | KCM SHELTER LIGHTS | 20 AMP | 30 AMP | 120 | 0.032 |
| C | SPARE | 20 AMP | N/A | 120 | 0.000 |
| D | SPARE | 30 AMP | N/A | 240 | 0.000 |
| E | GFCI | 20 AMP | N/A | 120 | 1.800 |
| BUSWORK SHALL BE RATED AT 250 AMP MINIMUM | | | PEAK | 1.916 | |
| | | | CONTINUOUS | 0.116 | |

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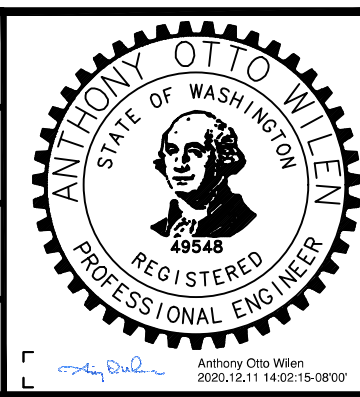
ISSUED FOR BID

DESIGNED BY:
A. WILEN

DRAWN BY:
O. AHRENSFELD

CHECKED BY:
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

ILLUMINATION NOTES & SCHEDULES

DRAWING No.:
E07-CLS001

LOCATION ID:
E07

SHEET No.:
53 OF 104

REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

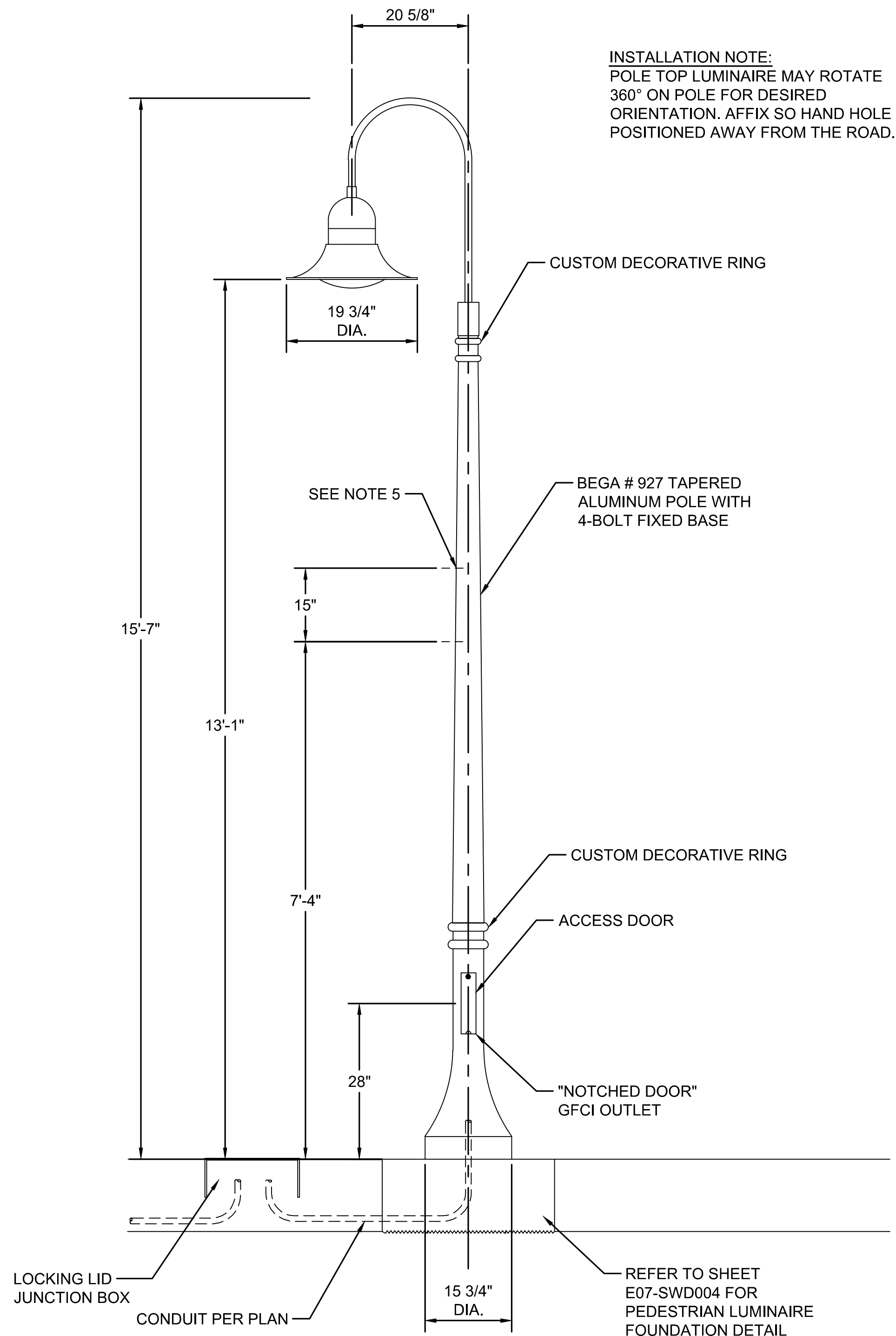
SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

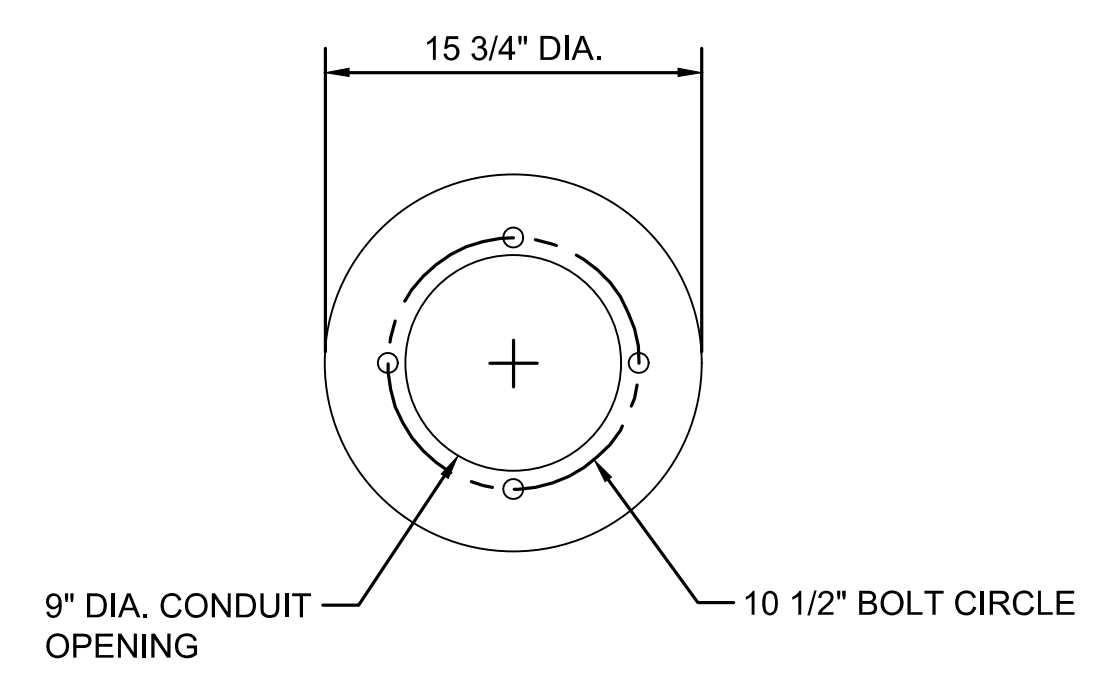
REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020



INSTALLATION NOTE:
POLE TOP LUMINAIRE MAY ROTATE
360° ON POLE FOR DESIRED
ORIENTATION. AFFIX SO HAND HOLE IS
POSITIONED AWAY FROM THE ROAD.



NOTE: ADEQUATE DRAINAGE MUST
BE PROVIDED IN CONCRETE
FOUNDATION OR GROUT

BASE DETAIL

NTS
STANDARD (4) 3/4" X 17"
ANCHOR BOLTS & MTG. TEMPLATE
SUPPLIED WITH POLE OR IN ADVANCE

NOTES:

- SUBMIT SHOP DRAWINGS AND EQUIPMENT DETAILS FOR SOUND TRANSIT AND CITY OF MERCER ISLAND APPROVALS.
- LUMINAIRE # 77910 - SEE SPECIFICATIONS:
- 120-277V ELECTRONIC (0-10V) DIMMING LED DRIVER.
- 15.8W 4000° LED ARRAY (19.0 TOTAL SYSTEM WATTS)
- BEGA #927 POLE MODIFIED WITH DECORATIVE RINGS AS SHOWN
- POLE SUPPLIED WITH GFCI BEHIND NOTCHED ACCESS DOOR.
- CUSTOM COLOR MATCH - PANTONE #5605U. POWDER COATED, MATTE FINISH.
- HAND HOLE SHALL FACE SIDEWALK
- (2) 5/16" BLIND THREADED INSERTS 90° TO ACCESS DOOR
- SEE LUMINAIRE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- PROVIDE FUSED DISCONNECT AT POLE HANDHOLE. SEE CITY OF MERCER ISLAND STANDARD DETAIL IL-4.
- SEE CITY OF MERCER ISLAND STANDARD DETAIL IL-4 FOR CONNECTOR KIT AND SLACK REQUIREMENT.

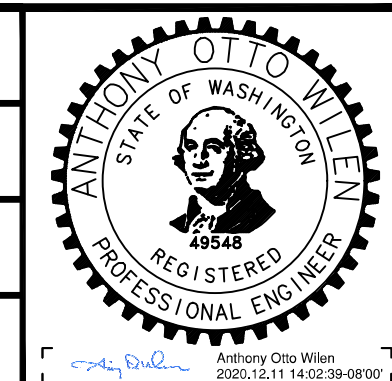
TYPICAL LIGHT POLE/FOUNDATION DETAIL

NTS
E07-CLP001
E07-CLP002
E07-CLP003

12/11/20 | 12:24 PM | OXA P:\S\TRA0000087\0400CAD\TTS\HEETS\15-E07-CLD001.DWG

ISSUED FOR BID

DESIGNED BY:
A. WILEN
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



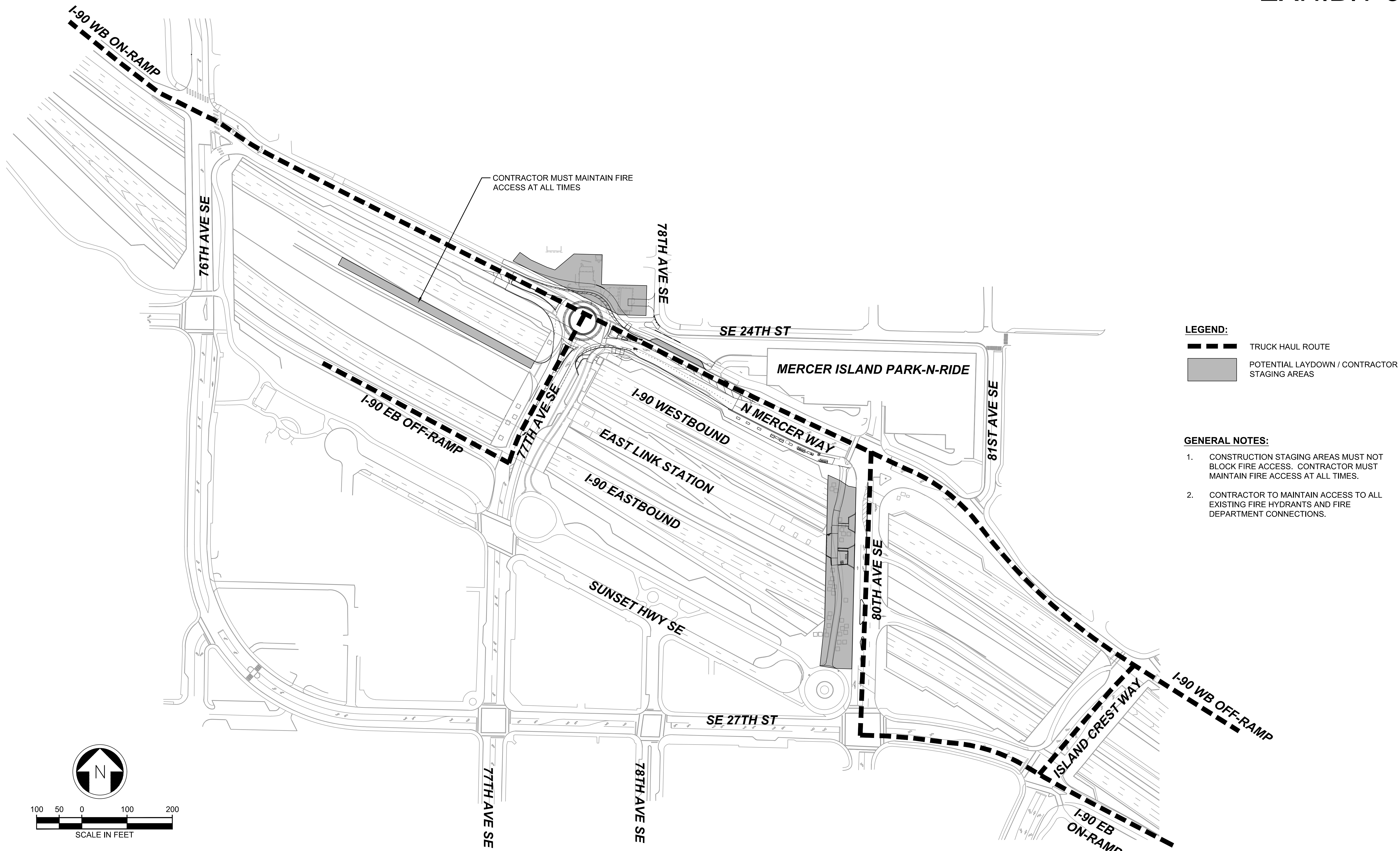
SCALE:
NTS
FILENAME:
E135-E07-CLD001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ILLUMINATION DETAILS

DRAWING No.:
E07-CLD001
LOCATION ID:
E07
SHEET No.: 54 OF 104
REV: 0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

SUBMITTED BY: A. WILEN
DATE: 12/11/2020
REVIEWED BY: M. LU
DATE: 12/11/2020

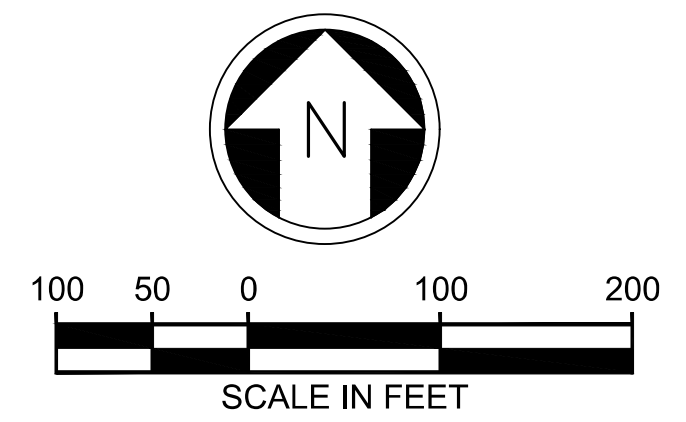


LEGEND:

- TRUCK HAUL ROUTE
- POTENTIAL LAYDOWN / CONTRACTOR STAGING AREAS

GENERAL NOTES:

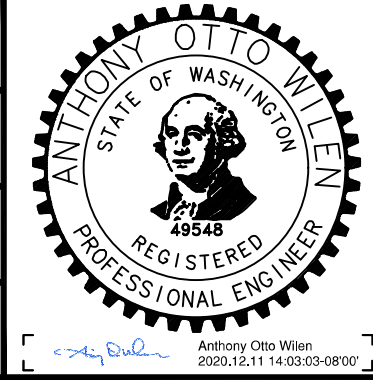
1. CONSTRUCTION STAGING AREAS MUST NOT BLOCK FIRE ACCESS. CONTRACTOR MUST MAINTAIN FIRE ACCESS AT ALL TIMES.
2. CONTRACTOR TO MAINTAIN ACCESS TO ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.



12/11/20 12:25 PM OXA P:\SISTRAD000087\0400CAD\TTS\HEETS\15-ED7-CCP001.DWG

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 100'
FILENAME:
E135-E07-CCP001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
**CONSTRUCTION STAGING PLAN
TRUCK HAUL ROUTES & LAYDOWN AREAS**

DRAWING No.:
E07-CCP001
LOCATION ID:
E07
SHEET No.: 55 OF 104
REV: 0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
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SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

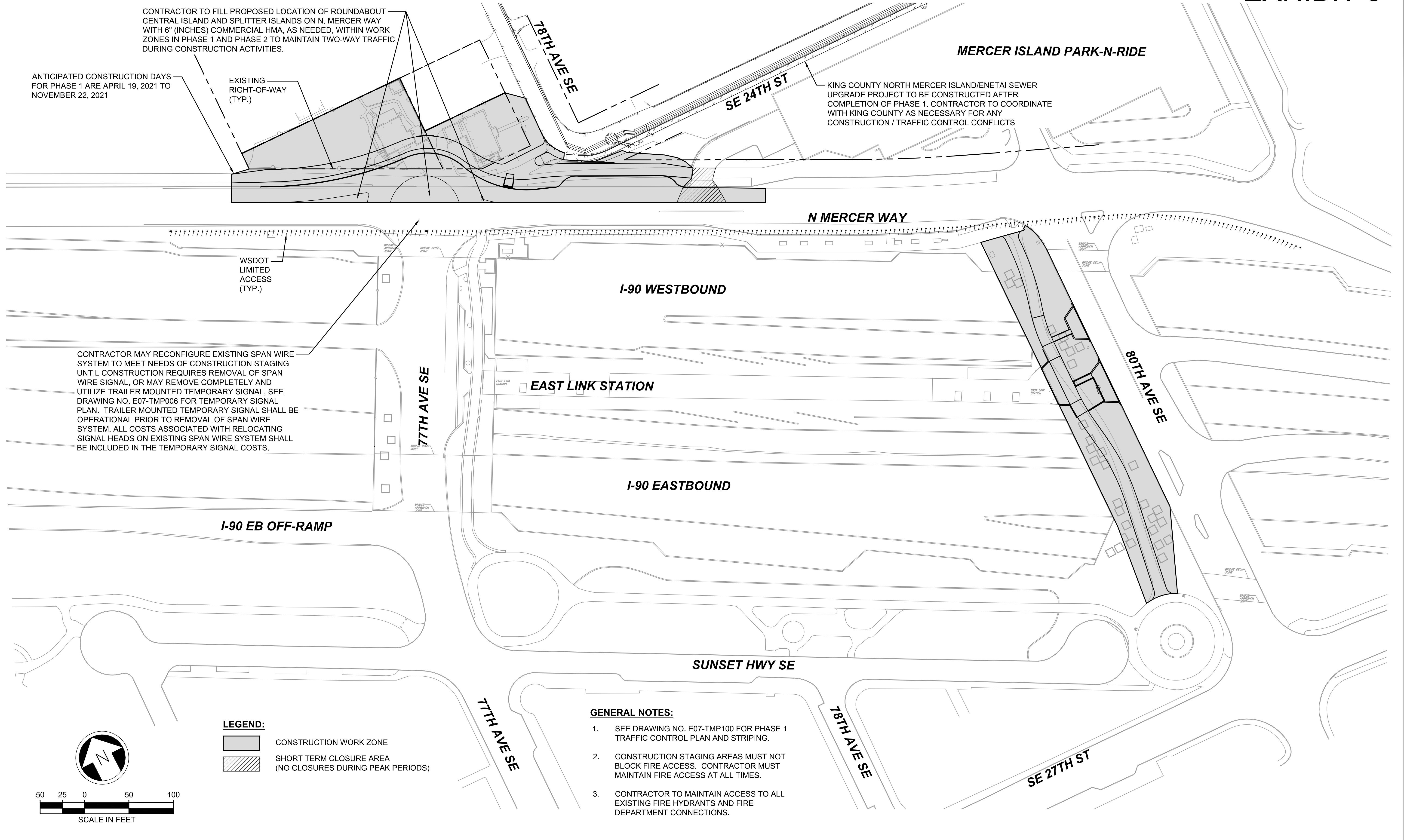
CONTRACTOR TO FILL PROPOSED LOCATION OF ROUNDABOUT CENTRAL ISLAND AND SPLITTER ISLANDS ON N. MERCER WAY WITH 6" (INCHES) COMMERCIAL HMA, AS NEEDED, WITHIN WORK ZONES IN PHASE 1 AND PHASE 2 TO MAINTAIN TWO-WAY TRAFFIC DURING CONSTRUCTION ACTIVITIES.

ANTICIPATED CONSTRUCTION DAYS FOR PHASE 1 ARE APRIL 19, 2021 TO NOVEMBER 22, 2021

EXISTING RIGHT-OF-WAY (TYP.)

MERCER ISLAND PARK-N-RIDE

KING COUNTY NORTH MERCER ISLAND/ENETAI SEWER UPGRADE PROJECT TO BE CONSTRUCTED AFTER COMPLETION OF PHASE 1. CONTRACTOR TO COORDINATE WITH KING COUNTY AS NECESSARY FOR ANY CONSTRUCTION / TRAFFIC CONTROL CONFLICTS



CONTRACTOR MAY RECONFIGURE EXISTING SPAN WIRE SYSTEM TO MEET NEEDS OF CONSTRUCTION STAGING UNTIL CONSTRUCTION REQUIRES REMOVAL OF SPAN WIRE SIGNAL, OR MAY REMOVE COMPLETELY AND UTILIZE TRAILER MOUNTED TEMPORARY SIGNAL. SEE DRAWING NO. E07-TMP006 FOR TEMPORARY SIGNAL PLAN. TRAILER MOUNTED TEMPORARY SIGNAL SHALL BE OPERATIONAL PRIOR TO REMOVAL OF SPAN WIRE SYSTEM. ALL COSTS ASSOCIATED WITH RELOCATING SIGNAL HEADS ON EXISTING SPAN WIRE SYSTEM SHALL BE INCLUDED IN THE TEMPORARY SIGNAL COSTS.

WSDOT LIMITED ACCESS (TYP.)

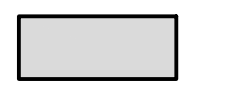
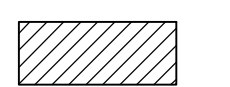
I-90 WESTBOUND

EAST LINK STATION

I-90 EASTBOUND

I-90 EB OFF-RAMP

SUNSET HWY SE

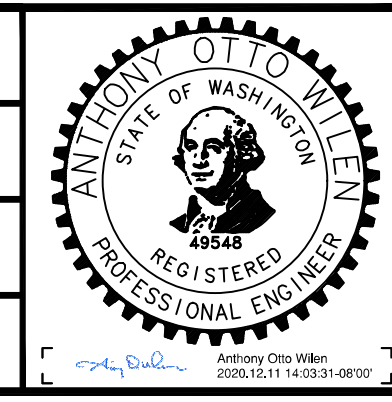
LEGEND:
 CONSTRUCTION WORK ZONE
 SHORT TERM CLOSURE AREA (NO CLOSURES DURING PEAK PERIODS)

GENERAL NOTES:

1. SEE DRAWING NO. E07-TMP100 FOR PHASE 1 TRAFFIC CONTROL PLAN AND STRIPING.
2. CONSTRUCTION STAGING AREAS MUST NOT BLOCK FIRE ACCESS. CONTRACTOR MUST MAINTAIN FIRE ACCESS AT ALL TIMES.
3. CONTRACTOR TO MAINTAIN ACCESS TO ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
 DRAWN BY:
O. AHRENSFELD
 CHECKED BY:
M. FELIBERTI
 APPROVED BY:
A. WILEN



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 14432 SE Eastgate Way, Suite 400
 Bellevue Washington 98007
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LINE IS 1" AT FULL SCALE



SCALE:
1" = 50'
 FILENAME:
E135-E07-CCP100
 CONTRACT No.:
RTA/AE 0072-19
 DATE:
12/11/2020

**EAST LINK EXTENSION
 MERCER ISLAND TRANSIT INTERCHANGE**
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY
 CONSTRUCTION STAGING PLAN - PHASE 1

DRAWING No.:
E07-CCP100
 LOCATION ID:
E07
 SHEET No.: 56 OF 104
 REV: 0

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| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

CONTRACTOR TO FILL PROPOSED LOCATION OF ROUNDABOUT CENTRAL ISLAND AND SPLITTER ISLANDS ON N. MERCER WAY WITH 6" (INCHES) COMMERCIAL HMA, AS NEEDED, WITHIN WORK ZONES IN PHASE 1 AND PHASE 2 TO MAINTAIN TWO-WAY TRAFFIC DURING CONSTRUCTION ACTIVITIES.

EXISTING RIGHT-OF-WAY (TYP.)

WSDOT LIMITED ACCESS (TYP.)

NOTE TO CONTRACTOR:
NO WORK IS TO BE PERFORMED IN THIS AREA UNTIL APPROVAL FROM SOUND TRANSIT. ANTICIPATED APPROVALS EXPECTED IN SUMMER 2021. WORK ACTIVITIES SHALL BE PART OF PHASE 2.

ANTICIPATED CONSTRUCTION DAYS FOR PHASE 2 ARE NOVEMBER 22, 2021 TO FEBRUARY 18, 2022.

I-90 WESTBOUND

EAST LINK STATION

I-90 EASTBOUND

I-90 EB OFF-RAMP

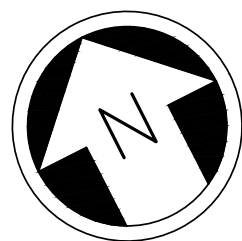
SUNSET HWY SE

GENERAL NOTES:

1. SEE DRAWING NO. E07-TMP200 FOR PHASE 2 TRAFFIC CONTROL PLAN AND STRIPING.
2. CONSTRUCTION STAGING AREAS MUST NOT BLOCK FIRE ACCESS. CONTRACTOR MUST MAINTAIN FIRE ACCESS AT ALL TIMES.
3. CONTRACTOR TO MAINTAIN ACCESS TO ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.

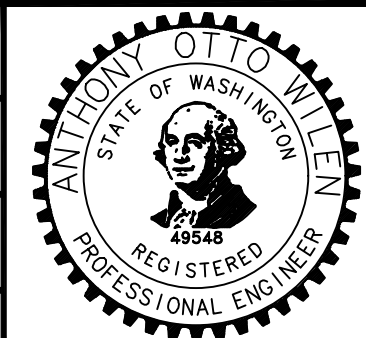
LEGEND:

 CONSTRUCTION WORK ZONE



ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE



DATE:
12/11/2020

SCALE:
1" = 50'
FILENAME:
E135-E07-CCP200
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CONSTRUCTION STAGING PLAN - PHASE 2

DRAWING No.:
E07-CCP200
LOCATION ID:
E07
SHEET No.:
57 OF 104
REV:
0

CONTRACTOR TO REMOVE TEMPORARY COMMERCIAL HMA PRIOR TO INSTALLATION OF ROUNDABOUT TRUCK APRON AND CENTRAL ISLAND. CONTRACTOR TO REMOVE, AS NECESSARY, COMMERCIAL HMA FOR CONSTRUCTION OF SPLITTER ISLANDS ON N. MERCER WAY.

ANTICIPATED CONSTRUCTION DAYS FOR PHASE 3 ARE FEBRUARY 22, 2022 TO APRIL 11, 2022.

EXISTING RIGHT-OF-WAY (TYP.)

WSDOT LIMITED ACCESS (TYP.)

MERCER ISLAND PARK-N-RIDE

N MERCER WAY

I-90 WESTBOUND

EAST LINK STATION

I-90 EASTBOUND

I-90 EB OFF-RAMP

SUNSET HWY SE

CONTRACTOR TO REBUILD EXISTING DUAL FACED SLOPE MOUNTABLE CURBS IN EXISTING LOCATIONS, SEE DRAWING NO. E07-CXP003 AND DRAWING NO. E07-CRP003 FOR ADDITIONAL DETAILS.

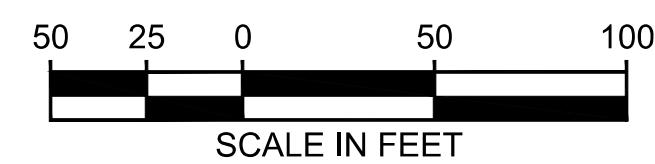
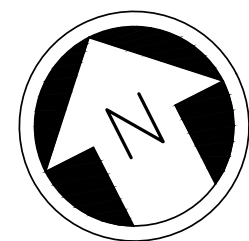
CONTRACTOR TO REBUILD EXISTING DUAL FACED SLOPE MOUNTABLE CURBS IN EXISTING LOCATIONS, SEE DRAWING NO. E07-CXP003 AND DRAWING NO. E07-CRP003 FOR ADDITIONAL DETAILS.

LEGEND:

CONSTRUCTION WORK ZONE

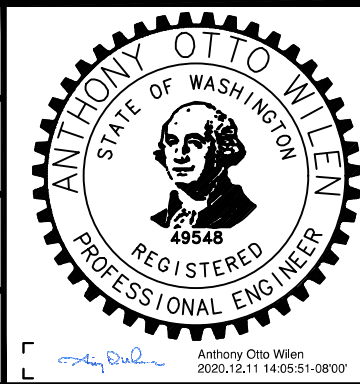
GENERAL NOTES:

1. SEE DRAWING NO. E07-TMP300 FOR PHASE 3 TRAFFIC CONTROL PLAN AND STRIPING.
2. CONSTRUCTION STAGING AREAS MUST NOT BLOCK FIRE ACCESS. CONTRACTOR MUST MAINTAIN FIRE ACCESS AT ALL TIMES.
3. CONTRACTOR TO MAINTAIN ACCESS TO ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.



ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE



DATE:
12/11/2020

SCALE:
1" = 50'
FILENAME:
E135-E07-CCP300
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
CONSTRUCTION STAGING PLAN - PHASE 3

DRAWING No.:
E07-CCP300
LOCATION ID:
E07
SHEET No.:
58 OF 104
REV:
0

NOTES:

- "W" SERIES SIGNS SHALL BE FLUORESCENT ORANGE.
- CLASS 'A' SIGNS SHALL BE INSTALLED PRIOR TO INSTALLATION OF CLASS 'B' SIGNS AND TRAFFIC CONTROL DEVICES, AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
- ACTUAL FIELD CONDITIONS OF TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE ENGINEER. TAPER LENGTHS, BUFFER DATA, SIGN AND DRUM SPACING SHALL ADHERE TO INFORMATION ON THIS SHEET.
- SIGNS SHALL BE PLACED AS DEPICTED IN SHOULDER CLOSURE PLAN FOR EACH SHEET AND SHALL REMAIN IN THAT LOCATION FOR DURATION OF THE CONSTRUCTION STAGE.
- DRIVEWAY ACCESS AND PEDESTRIAN ACCESS SHALL BE MAINTAINED ACCORDING TO THE SPECIAL PROVISIONS SECTION 1-07.23.
- CONTRACTOR SHALL PLACE "OPEN FOR BUSINESS" SIGNS FOR ALL AFFECTED BUSINESSES. CONTRACTOR SHALL RELOCATE THESE SIGNS AS NECESSARY TO COMPLETE THE WORK AND ALSO TO PROVIDE INFORMATION TO THE PUBLIC.
- NOTIFICATION MUST BE GIVEN TO THE CITY OF MERCER ISLAND PRIOR TO LANE CLOSURES. A MINIMUM OF 48 HOUR NOTICE IS REQUIRED TO BE GIVEN TO THE CITY OF MERCER ISLAND PRIOR TO ALL LANE CLOSURES. NOTIFICATION SHALL BE PROVIDED TO MERCER ISLAND POLICE AT (425) 587-3400 AND MERCER ISLAND FIRE AT (206) 275-7607.
- DEVICE TAPER SHALL EXTEND ACROSS SHOULDERS, L/3 TAPER.
- ONLY ESSENTIAL EQUIPMENT AND MATERIALS SHALL BE INSIDE ROW DURING WORK HOURS. NO EQUIPMENT OR MATERIALS SHALL BE INSIDE ROW DURING NON-WORKING HOURS.
- DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
- ADHERE TO REQUIREMENTS OF WSDOT STD SPEC. 1-07.23 INCLUDING, BUT NOT LIMITED TO, DROP OFF PROTECTION.
- 12 FEET MINIMUM THRU LANE WIDTHS AND 11 FEET MINIMUM TURN LANE WIDTHS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR MUST COMPLY WITH ALL LOCAL PARKING LAWS. NO CONSTRUCTION/CONTRACTOR PARKING ALLOWED IN BUS PICK-UP/DROP-OFF AREAS OR WITHIN THE PARK-AND-RIDE PARKING LOT AT ANY TIME.
- CONTRACTOR SHALL COORDINATE CLOSURES EFFECTING BUS SERVICES WITH KING COUNTY METRO A MINIMUM OF 3 DAYS IN ADVANCE. KING COUNTY METRO CONTACT: DAVID FREEMAN, Construction.coord@kingcounty.gov, or at 206-472-2553.

| BUFFER DATA | | | | | | | | | | |
|--|---|-----|-----|-----|-----|-----|-----------------------------|-----|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| PROTECTIVE VEHICLE WITH TMA ROLL AHEAD DISTANCE | | | | | | | | | | |
| TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA | TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (lbs) | | | | | | STATIONARY OPERATION (feet) | | | |
| 4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC. | MINIMUM WEIGHT 15,000 LBS. (Maximum weight shall be in accordance with manufacturer recommendation) | | | | | | 30 MIN. | | | |
| ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT | | | | | | | | | | |
| * A protective vehicle is recommended regardless if a TMA is available. If no TMA is used, the protective vehicle shall be strategically located in the feild to shield workers and no roll ahead distance is specified. | | | | | | | | | | |

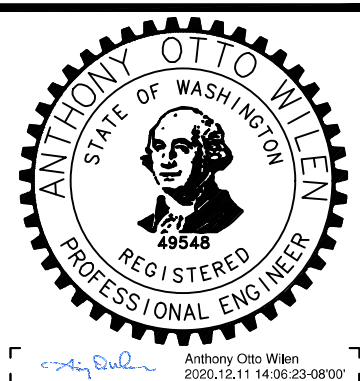
| SIGN SPACING = X (FEET) (1) | | |
|--|----------------|-----------------------|
| Freeways & Expressways | 55/70 MPH | 1500'± (or per MUTCD) |
| Rural Highways | 60/65 MPH | 800'± |
| Rural Roads | 45/55 MPH | 500'± |
| Rural Roads & Urban Arterials | 35/40 MPH | 350'± |
| Rural Roads, Urban Arterials, Residential & Business Districts | 25/30 MPH | 200'± (2) |
| Urban Streets | 25 MPH or less | 100'± (2) |
| All signs are 48" x 48" black on orange unless otherwise designated. | | |

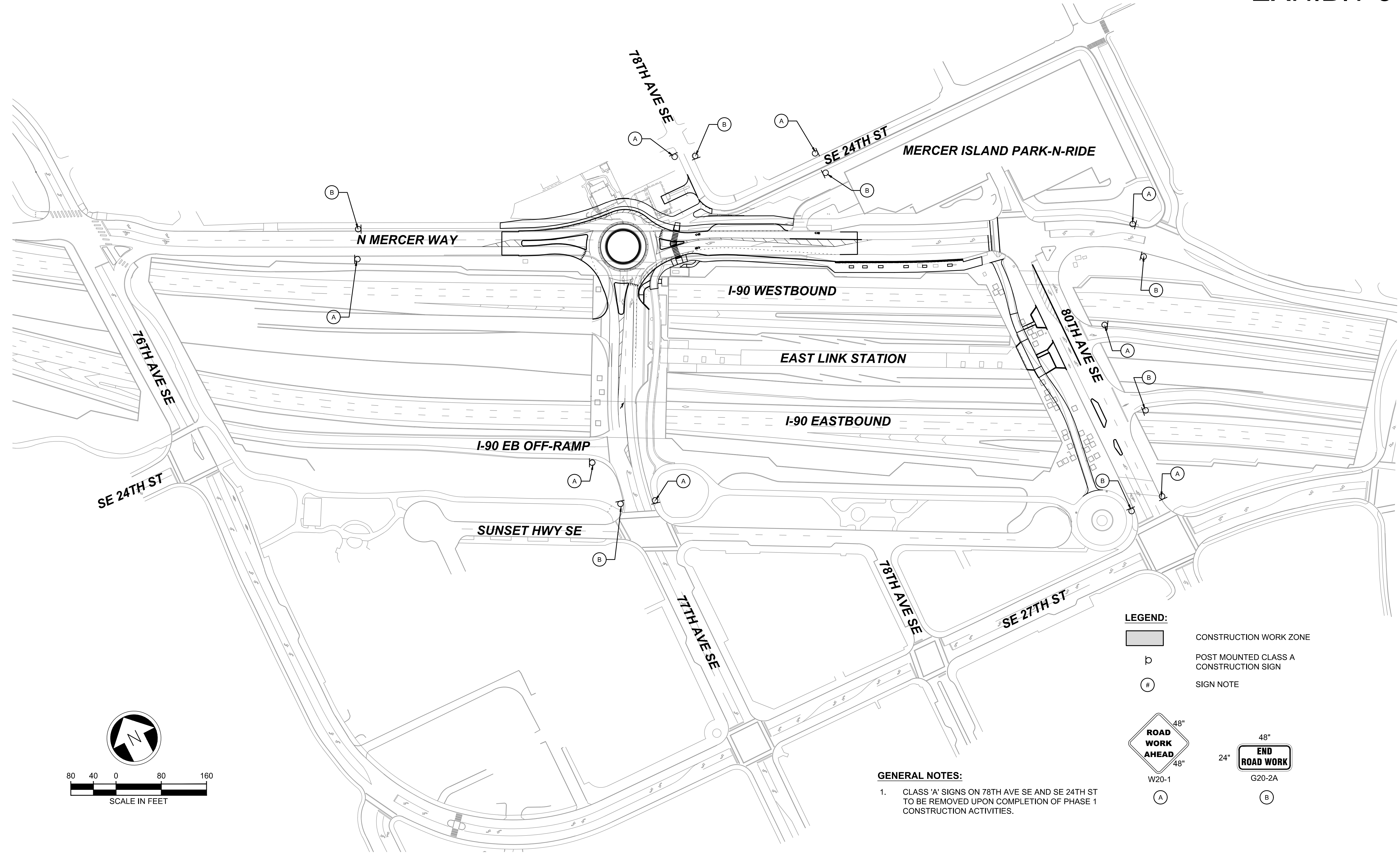
- All spacing may be adjusted to accomodate interchange ramps, at-grade intersections, and driveways.
- This spacing may be reduced in urban ares to fit roadway conditions.

| MINIMUM TAPER LENGTH = L (FEET) | | | | | | | | | | |
|---------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SHOULDER WIDTH (ft) | POSTED SPEED (MPH) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 10 | 105 | 150 | 205 | 270 | 450 | 500 | 550 | - | - | - |
| 11 | 115 | 165 | 225 | 295 | 495 | 550 | 605 | 660 | - | - |
| 12 | 125 | 180 | 245 | 320 | 540 | 600 | 660 | 720 | 780 | 840 |





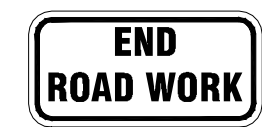
| TRAFFIC SAFETY DRUM SPACING (FEET) | | |
|------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 50/70 | 40 | 80 |
| 35/40 | 30 | 60 |
| 25/30 | 10 | 10 |

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| | | | | | | | | | | | | | | |
|----------------|------|-----|-----|-----|-----------------------------|---|---|---|--|--------------------------|---|---------------------------|---|----------------------------|
| ISSUED FOR BID | | | | | DESIGNED BY: J. JACKSON |  |  |  | 14432 SE Eastgate Way, Suite 400 Bellevue Washington 98007 Phone: 425.519.6500 | LINE IS 1" AT FULL SCALE |  | SCALE: NTS | EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY TRAFFIC CONTROL NOTES | DRAWING No.: E07-TMN001 |
| | | | | | DRAWN BY: O. AHRENSFELD | | | | | | | LOCATION ID: E07 | | |
| | | | | | CHECKED BY: M. FELIBERTI | | | | | | | SHEET No.: 59 OF 104 | | REV: 0 |
| | | | | | APPROVED BY: A. WILEN | | | | | | | SUBMITTED BY: A. WILEN | | DATE: 12/11/2020 |
| No. | DATE | DSN | CHK | APP | REVISION | | | | | | | | | |

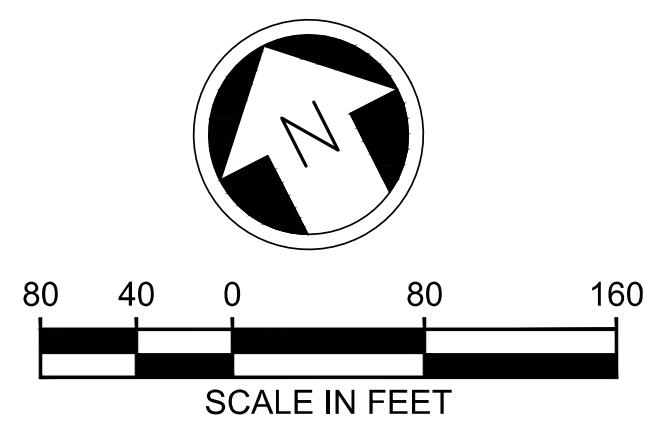


LEGEND:

-  CONSTRUCTION WORK ZONE
-  POST MOUNTED CLASS A CONSTRUCTION SIGN
-  SIGN NOTE
-  ROAD WORK AHEAD 48" W20-1
-  END ROAD WORK 48" G20-2A

GENERAL NOTES:

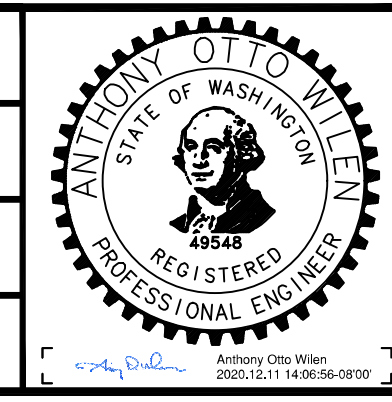
- CLASS 'A' SIGNS ON 78TH AVE SE AND SE 24TH ST TO BE REMOVED UPON COMPLETION OF PHASE 1 CONSTRUCTION ACTIVITIES.



12/11/20 | 12:28 PM | OXA P:\S\TRAFFIC\000087\0400CAD\TTS\0001\03-E07-TMP001.DWG

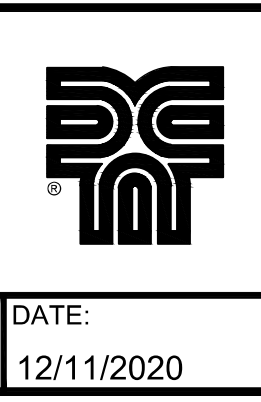
ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY

SUBMITTED BY:
A. WILEN

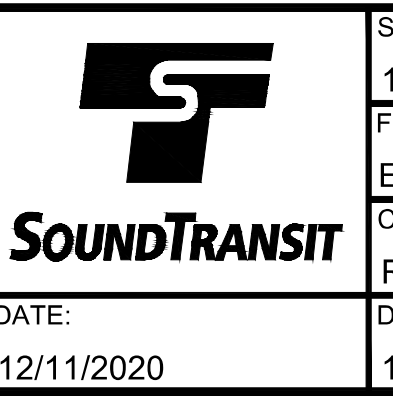


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Phone: 425.519.6500

DATE:
12/11/2020

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE



SCALE:
1" = 80'
FILENAME:
E135-E07-TMP001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC CONTROL PLAN - CLASS 'A' SIGNS

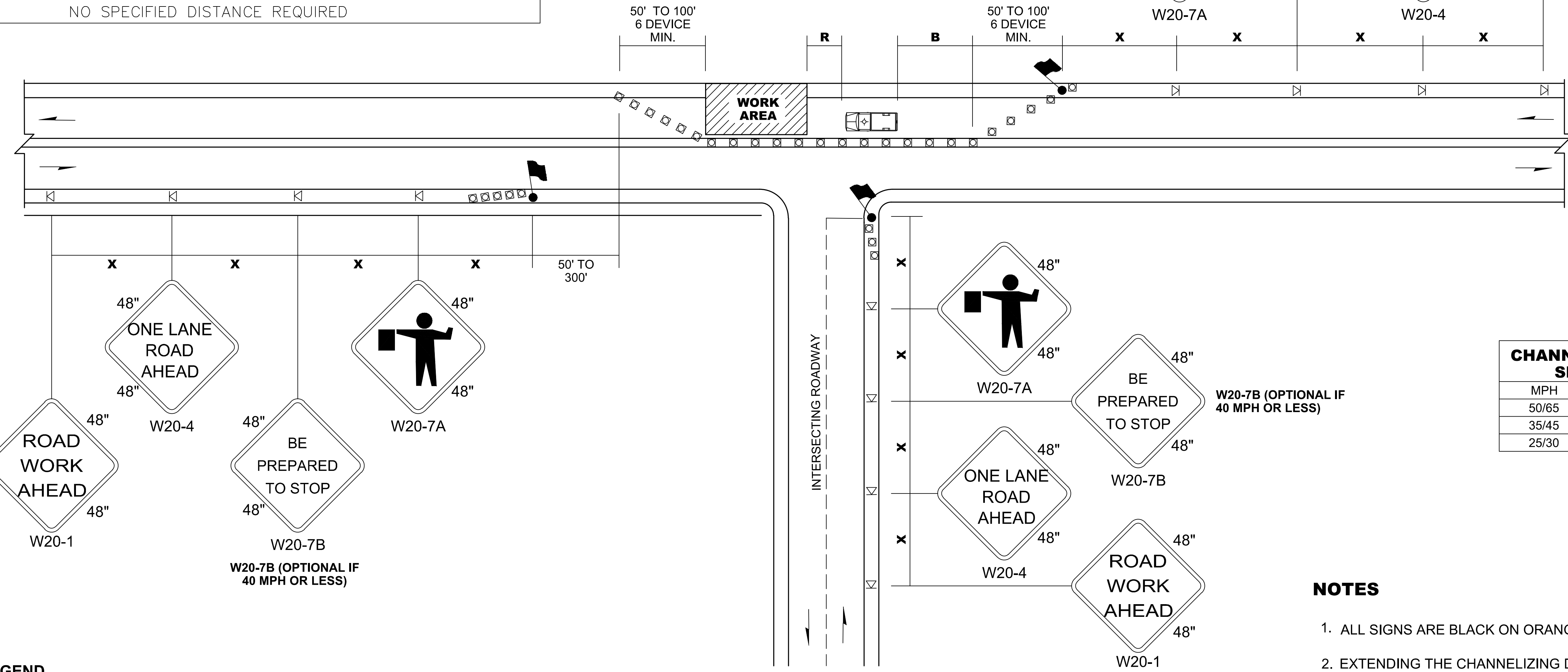
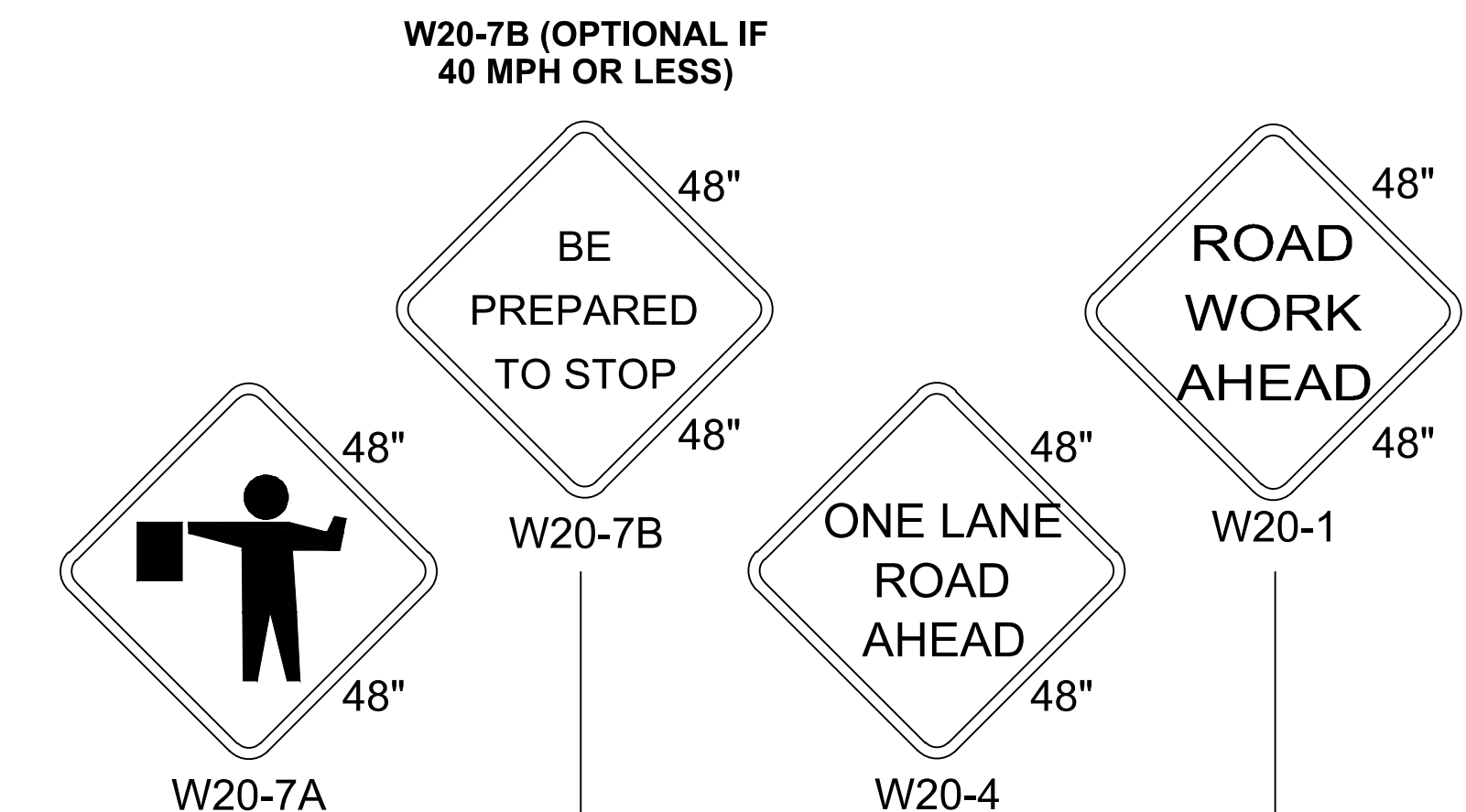
DRAWING No.:
E07-TMP001
LOCATION ID:
E07
SHEET No.:
60 OF 104
REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

| BUFFER DATA | | | | | | | | | | |
|--|-----------|----------|----------|-----------|--------------------------------------|-----|-----|-----|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. | | | | | HOST VEHICLE WEIGHT > 22,000 lbs. | | | | | |
| < 45 MPH | 45-55 MPH | > 55 MPH | < 45 MPH | 45-55 MPH | > 55 MPH | | | | | |
| 100' | 123' | 172' | 74' | 100' | 150' | | | | | |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R | | | | | | | | | | |
| NO SPECIFIED DISTANCE REQUIRED | | | | | | | | | | |

| SIGN SPACING = X (1) | | |
|---|----------------|----------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800' |
| RURAL ROADS | 45 / 55 MPH | 500' |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' (2) |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



| CHANNELIZATION DEVICE SPACING (FEET) | | |
|--------------------------------------|----------|---------|
| MPH | TAPER | TANGENT |
| 50/65 | 10 TO 20 | 80 |
| 35/45 | 10 TO 20 | 60 |
| 25/30 | 10 TO 20 | 40 |

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE.
2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE **STANDARD SPECIFICATIONS** FOR ADDITIONAL DETAILS.
4. SEE **SPECIAL PROVISIONS** FOR WORK HOUR RESTRICTIONS.

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

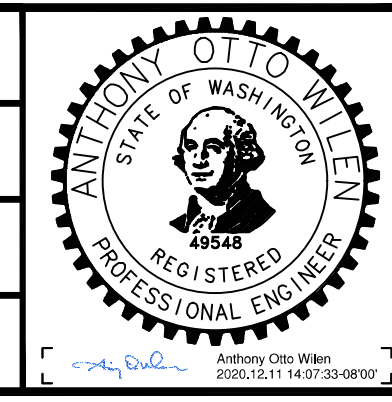
NOT TO SCALE

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ISSUED FOR BID

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN

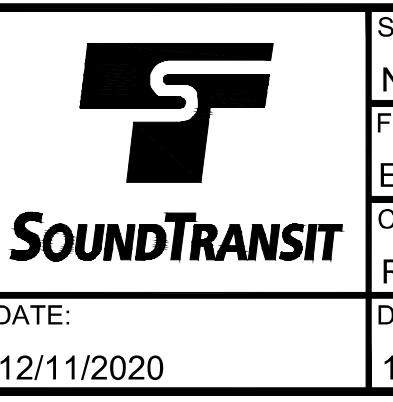


REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-TMP002-005
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC CONTROL PLAN

DRAWING No.:
E07-TMP002
LOCATION ID:
E07
SHEET No.:
61 OF 104
REV:
0

| SIGN SPACING = X (1) | | |
|--|----------------|----------|
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' (2) |

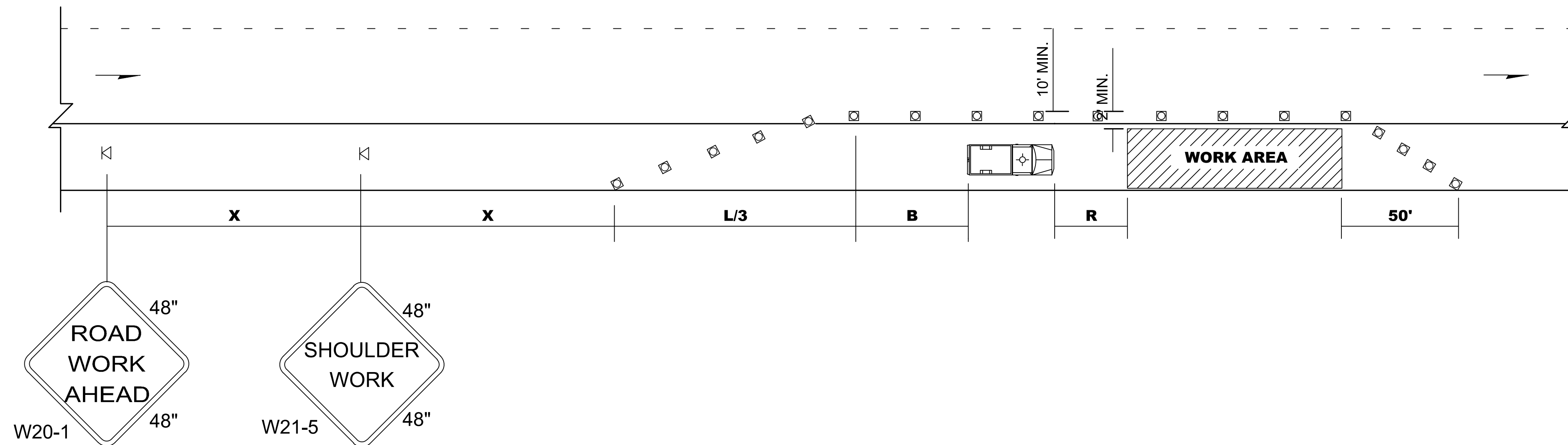
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

| MINIMUM SHOULDER TAPER LENGTH = L/3 (feet) | | | | | | | | | | |
|--|--------------------|----|----|----|----|----|----|----|----|----|
| SHOULDER WIDTH (feet) | Posted Speed (mph) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 8' | 40 | 40 | 60 | 90 | - | - | - | - | - | - |
| 10' | 40 | 60 | 90 | 90 | - | - | - | - | - | - |

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

| BUFFER DATA | | | | | | | | | | |
|--|-----------|----------|-----|-----|-----|--------------------------------------|-----------|----------|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. | | | | | | HOST VEHICLE WEIGHT > 22,000 lbs. | | | | |
| < 45 MPH | 45-55 MPH | > 55 MPH | | | | < 45 MPH | 45-55 MPH | > 55 MPH | | |
| 100' | 123' | 172' | | | | 74' | 100' | 150' | | |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R | | | | | | | | | | |
| NO SPECIFIED DISTANCE REQUIRED | | | | | | | | | | |

| CHANNELIZATION DEVICE SPACING (feet) | | |
|--------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 35/40 | 30 | 60 |
| 25/30 | 20 | 40 |



**SHOULDER CLOSURE - LOW SPEED
(40 MPH OR LESS)**

NOT TO SCALE

NOTES

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
2. ALL SIGNS ARE BLACK ON ORANGE.

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| | | | | | | | | | | | | |
|-----------------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------|--|-----------------------------------|
| ISSUED FOR BID | | | | | DESIGNED BY: J. JACKSON | | | | | SCALE: NTS | EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY TRAFFIC CONTROL PLAN | DRAWING No.: E07-TMP003 |
| | | | | | DRAWN BY: O. AHRENSFELD | | | | | FILENAME: E135-E07-TMP002-005 | | LOCATION ID: E07 |
| | | | | | CHECKED BY: M. FELIBERTI | | | | | CONTRACT No.: RTA/AE 0072-19 | SHEET No.: 62 OF 104 | REV: 0 |
| | | | | | APPROVED BY: A. WILEN | | | | | SUBMITTED BY: A. WILEN | | |

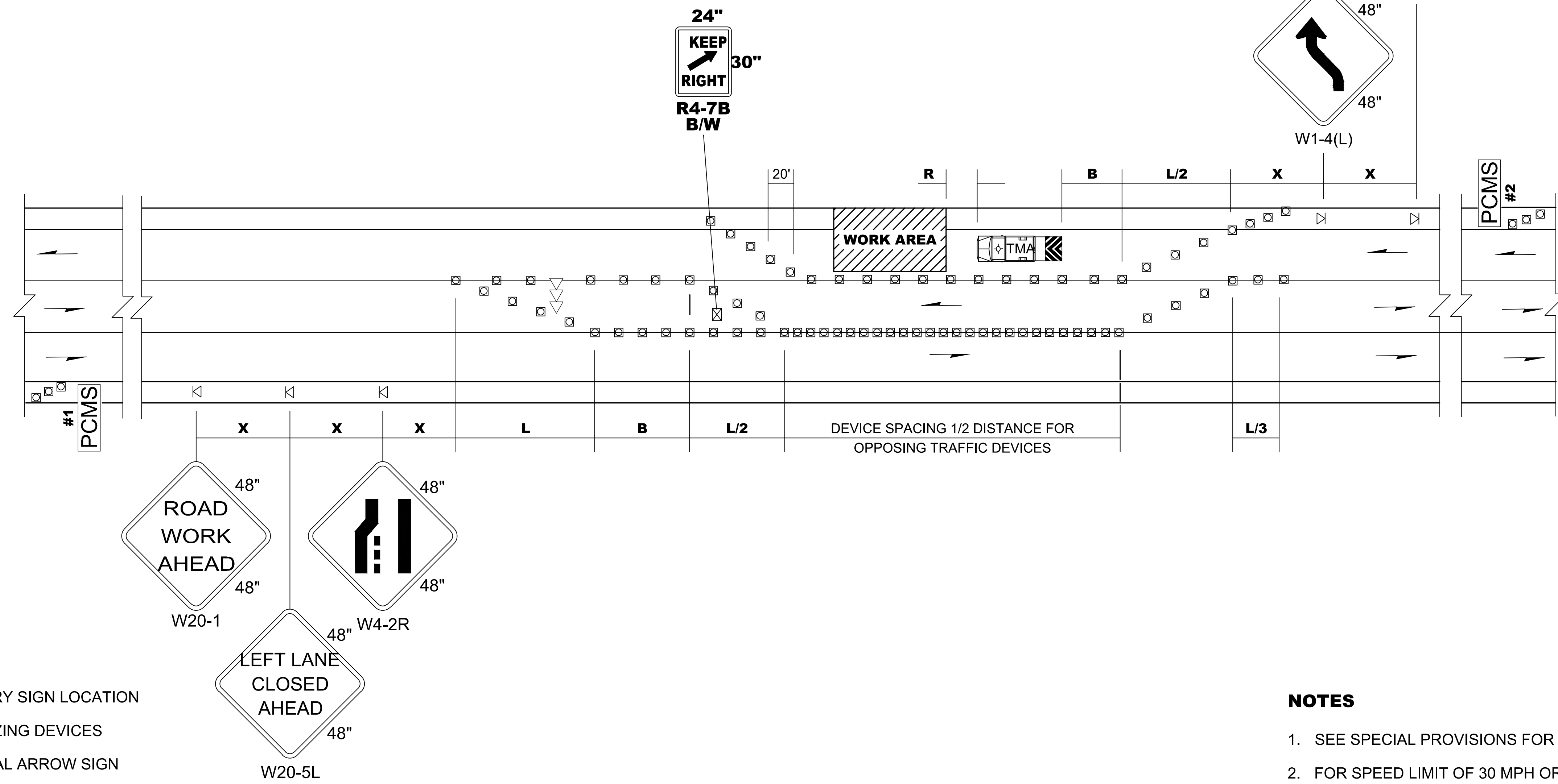
| BUFFER DATA | | | | | | | | | | |
|--|-----------|----------|-----|----------|--------------------------------------|----------|-----|-----|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. | | | | | HOST VEHICLE WEIGHT > 22,000 lbs. | | | | | |
| < 45 MPH | 45-55 MPH | > 55 MPH | | < 45 MPH | 45-55 MPH | > 55 MPH | | | | |
| 100' | 123' | 172' | | 74' | 100' | 150' | | | | |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R | | | | | | | | | | |
| NO SPECIFIED DISTANCE REQUIRED | | | | | | | | | | |

| SIGN SPACING = X (1) | | |
|---|----------------|----------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800' |
| RURAL ROADS | 45 / 55 MPH | 500' |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' |
| RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' (2) |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

| MINIMUM TAPER LENGTH = L (feet) | | | | | | | | | | |
|---------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| LANE WIDTH (feet) | Posted Speed (mph) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 10 | 105 | 150 | 205 | 270 | 450 | 500 | 550 | - | - | - |
| 11 | 115 | 165 | 225 | 295 | 495 | 550 | 605 | 660 | - | - |
| 12 | 125 | 180 | 245 | 320 | 540 | 600 | 660 | 720 | 780 | - |

| CHANNELIZATION DEVICE SPACING (feet) | | |
|--------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 50/60 | 40 | 80 |
| 35/45 | 30 | 60 |
| 25/30 | 20 | 40 |



| PCMS #1 | |
|-------------------|----------------|
| 1 | 2 |
| LEFT LANE CLOSURE | 500 FEET AHEAD |
| 2.0 SEC | 2.0 SEC |

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

| PCMS #2 | |
|------------------|----------------|
| 1 | 2 |
| LANE SHIFTS LEFT | 500 FEET AHEAD |
| 2.0 SEC | 2.0 SEC |

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

NOTES

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- FOR SPEED LIMIT OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- RECOMMENDED EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

LANE SHIFT - THREE LANE ROADWAY

NOT TO SCALE

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| | | | | | | | | | | | |
|-----------------------|------|-----|-----|-----|-----------------------------|--|---------------------------|---------------------|----------------------------------|--|-----------------------------------|
| ISSUED FOR BID | | | | | DESIGNED BY: J. JACKSON | | | | SCALE: NTS | EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY | DRAWING No.: E07-TMP004 |
| | | | | | DRAWN BY: O. AHRENSFELD | | | | FILENAME: E135-E07-TMP002-005 | | LOCATION ID: E07 |
| | | | | | CHECKED BY: M. FELIBERTI | | SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | CONTRACT No.: RTA/AE 0072-19 | TRAFFIC CONTROL PLAN | SHEET No.: 63 OF 104 |
| | | | | | APPROVED BY: A. WILEN | | | | REVIEWED BY: M. LU | | DATE: 12/11/2020 |
| No. | DATE | DSN | CHK | APP | REVISION | | | | | | |

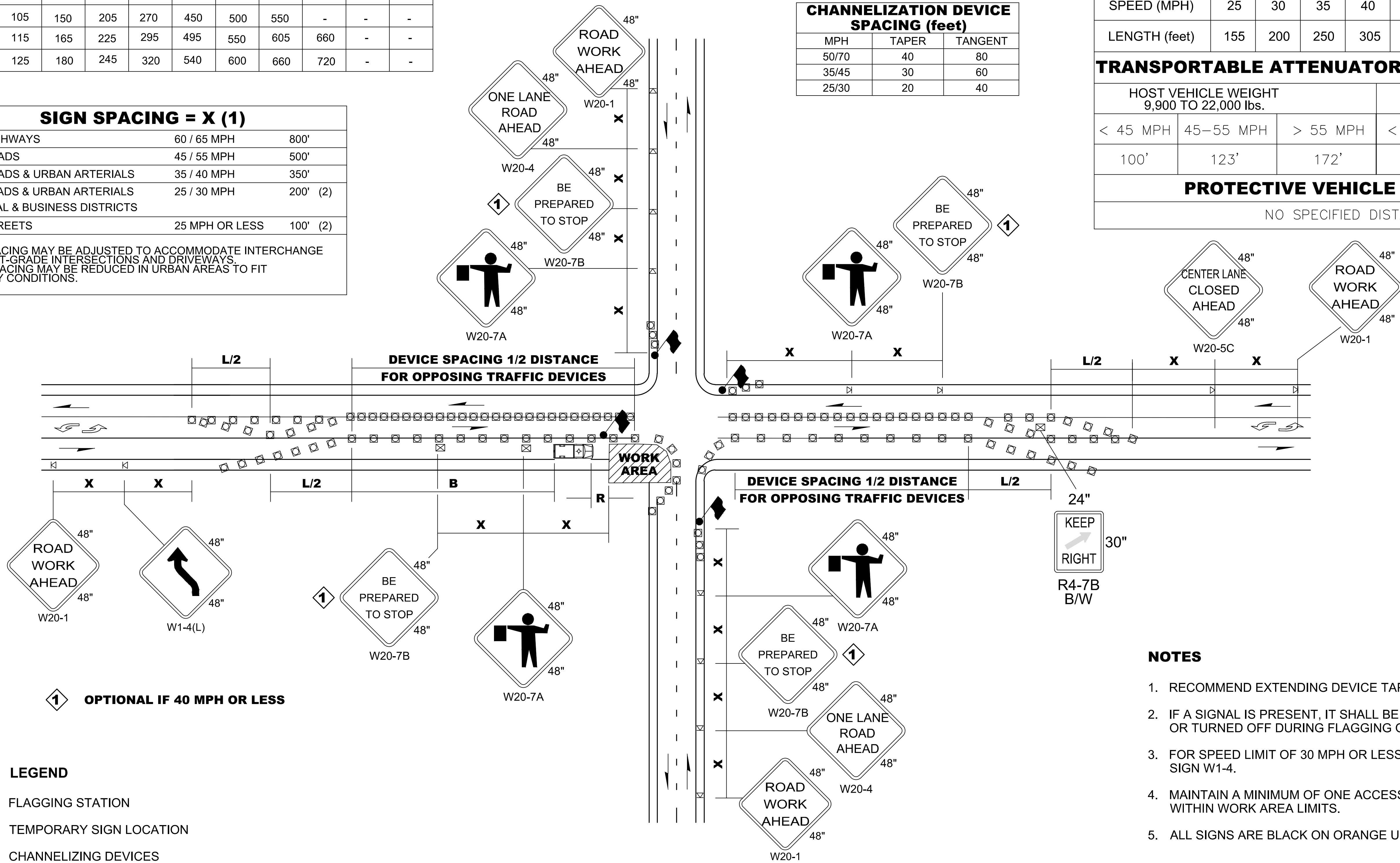
| MINIMUM TAPER LENGTH = L (feet) | | | | | | | | | | |
|---------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|----|----|
| LANE WIDTH (feet) | Posted Speed (mph) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 10 | 105 | 150 | 205 | 270 | 450 | 500 | 550 | - | - | - |
| 11 | 115 | 165 | 225 | 295 | 495 | 550 | 605 | 660 | - | - |
| 12 | 125 | 180 | 245 | 320 | 540 | 600 | 660 | 720 | - | - |

| SIGN SPACING = X (1) | | |
|----------------------------------|----------------|----------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800' |
| RURAL ROADS | 45 / 55 MPH | 500' |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' |
| RURAL ROADS & URBAN ARTERIALS | 25 / 30 MPH | 200' (2) |
| RESIDENTIAL & BUSINESS DISTRICTS | | |
| URBAN STREETS | 25 MPH OR LESS | 100' (2) |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

| BUFFER DATA | | | | | | | | | | |
|--|-----------|----------|----------|-----------|--------------------------------------|-----|-----|-----|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. | | | | | HOST VEHICLE WEIGHT > 22,000 lbs. | | | | | |
| < 45 MPH | 45-55 MPH | > 55 MPH | < 45 MPH | 45-55 MPH | > 55 MPH | | | | | |
| 100' | 123' | 172' | 74' | 100' | 150' | | | | | |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R | | | | | | | | | | |
| NO SPECIFIED DISTANCE REQUIRED | | | | | | | | | | |

| CHANNELIZATION DEVICE SPACING (feet) | | |
|--------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 50/70 | 40 | 80 |
| 35/45 | 30 | 60 |
| 25/30 | 20 | 40 |



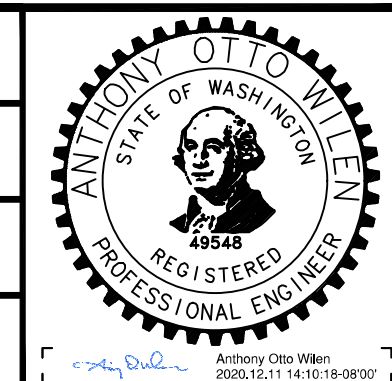
- NOTES**
- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
 - IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
 - FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
 - MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
 - ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

INTERSECTION LANE CLOSURE - THREE LANE ROADWAY
 NOT TO SCALE

- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE - RECOMMENDED
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)
- OPTIONAL IF 40 MPH OR LESS

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
 DRAWN BY:
O. AHRENSFELD
 CHECKED BY:
M. FELIBERTI
 APPROVED BY:
A. WILEN



REVIEWED FOR CODE COMPLIANCE
 December 21, 2020
 SITE COPY
 SUBMITTED BY:
A. WILEN
 DATE:
12/11/2020

DAVID EVANS AND ASSOCIATES INC.
 14432 SE Eastgate Way, Suite 400
 Bellevue Washington 98007
 Phone: 425.519.6500
 REVIEWED BY:
M. LU
 DATE:
12/11/2020

SCALE:
NTS
 FILENAME:
E135-E07-TMP002-005
 CONTRACT No.:
RTA/AE 0072-19
 DATE:
12/11/2020

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
 77TH AVE SE, 80TH AVE SE, & N MERCER WAY
 TRAFFIC CONTROL PLAN

DRAWING No.:
E07-TMP005
 LOCATION ID:
E07
 SHEET No.:
64 OF 104
 REV:
0

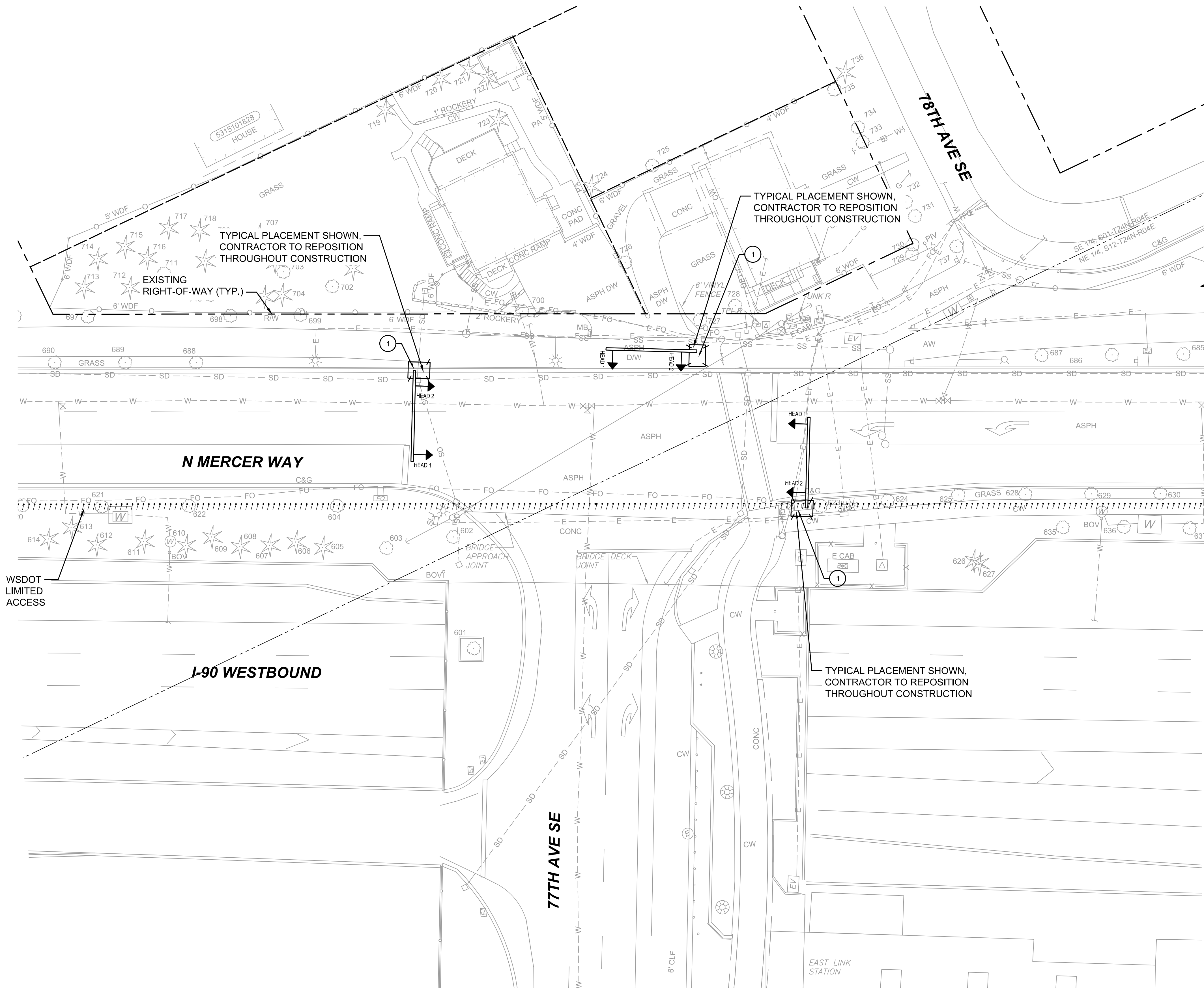
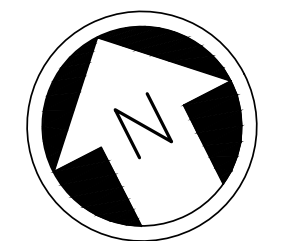
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TEMPORARY TRAFFIC SIGNAL NOTES

1. CONTRACTOR TO SUPPLY AND MAINTAIN TEMPORARY TRAILER-MOUNTED TRAFFIC SIGNAL. TEMPORARY TRAILER-MOUNTED TRAFFIC SIGNALS SHALL EACH CONSIST OF:
 - A TOWABLE TRAILER EQUIPPED WITH LEVELING JACKS
 - TWO SIGNAL HEADS EACH WITH THREE 12-INCH LED SIGNAL SECTIONS (RED, YELLOW, AND GREEN)
 - ONE SIGNAL HEAD IS TO BE MOUNTED ON AN ADJUSTABLE MAST ARM CAPABLE OF EXTENDING OVER THE TRAVELED LANE WITH A MINIMUM VERTICAL CLEARANCE ABOVE THE ADJACENT ROAD SURFACE A MINIMUM OF 17 FEET, WHILE THE SECOND HEAD IS TO BE MOUNTED ON THE POLE AT A MINIMUM HEIGHT OF EIGHT FEET ABOVE THE ADJACENT ROAD SURFACE.
 - THE SYSTEM IS TO CONTAIN A LOCKABLE CABINET MOUNTED CONTROLLER WITH A CONFLICT MONITOR.
 - EACH SIGNAL UNIT SHALL BE CAPABLE OF OPERATING FROM SOLAR ARRAY CHARGED BATTERY POWER. SOLAR ARRAY SHALL ALLOW FOR TILT AND ROTATION FOR OPTIMAL CHARGING.
 - SIGNAL SOLAR/BATTERY CONFIGURATION TO SUPPLY UNINTERRUPTED POWER FOR DURATION OF CONSTRUCTION PHASE. GENERATOR OPERATIONS ONLY TO BE USED IF APPROVED BY ENGINEER.
 - SYSTEM SHALL CONTAIN METHOD FOR ANTI-THEFT.
 - CONTRACTOR TO MAINTAIN TEMPORARY SIGNAL SYSTEM DURING THE ENTIRETY OF THE PROJECT CONSTRUCTION.
 - CONTRACTOR RESPONSIBLE FOR ADJUSTING LOCATION OF TEMPORARY SIGNAL TRAILERS DURING EACH PHASE OF CONSTRUCTION.

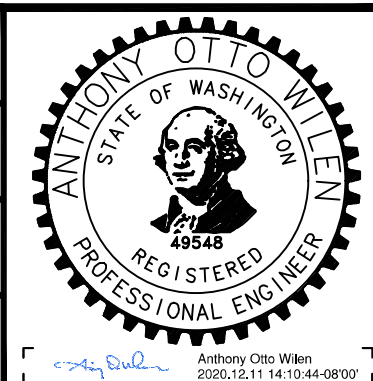
GENERAL NOTES

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. DETECTION AT TEMPORARY TRAFFIC SIGNAL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION. THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE VEHICLE DETECTION SYSTEM TO THE DETECTION AREAS FOR EACH CONSTRUCTION STAGE. ALL COSTS ASSOCIATED WITH VEHICLE DETECTION SHALL BE INCLUSIVE OF THE TEMPORARY SIGNAL BID ITEM.
4. ALL EXISTING STREET NAME SIGNS SHALL BE TEMPORARILY PLACED DURING TEMPORARY SIGNAL CONTROL.
5. CONTRACTOR TO INSTALL ALL NECESSARY TEMPORARY ROADWAY CHANNELIZATION INCLUDING BUT NOT LIMITED TO STOP BARS AND LANE LINES, IN COORDINATION WITH PLACEMENT OF TEMPORARY TRAFFIC SIGNAL (FOR ALL PHASES). SEE DRAWING NOS. E07-TMP100 TO E07-TMP300 FOR TRAFFIC CONTROL PLANS.
6. CONTRACTOR TO PROVIDE, AS NEEDED, ADEQUATE PROTECTION AND TRAFFIC CONTROL AROUND TEMPORARY SIGNAL EQUIPMENT.



ISSUED FOR BID

DESIGNED BY:
A. WILEN
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



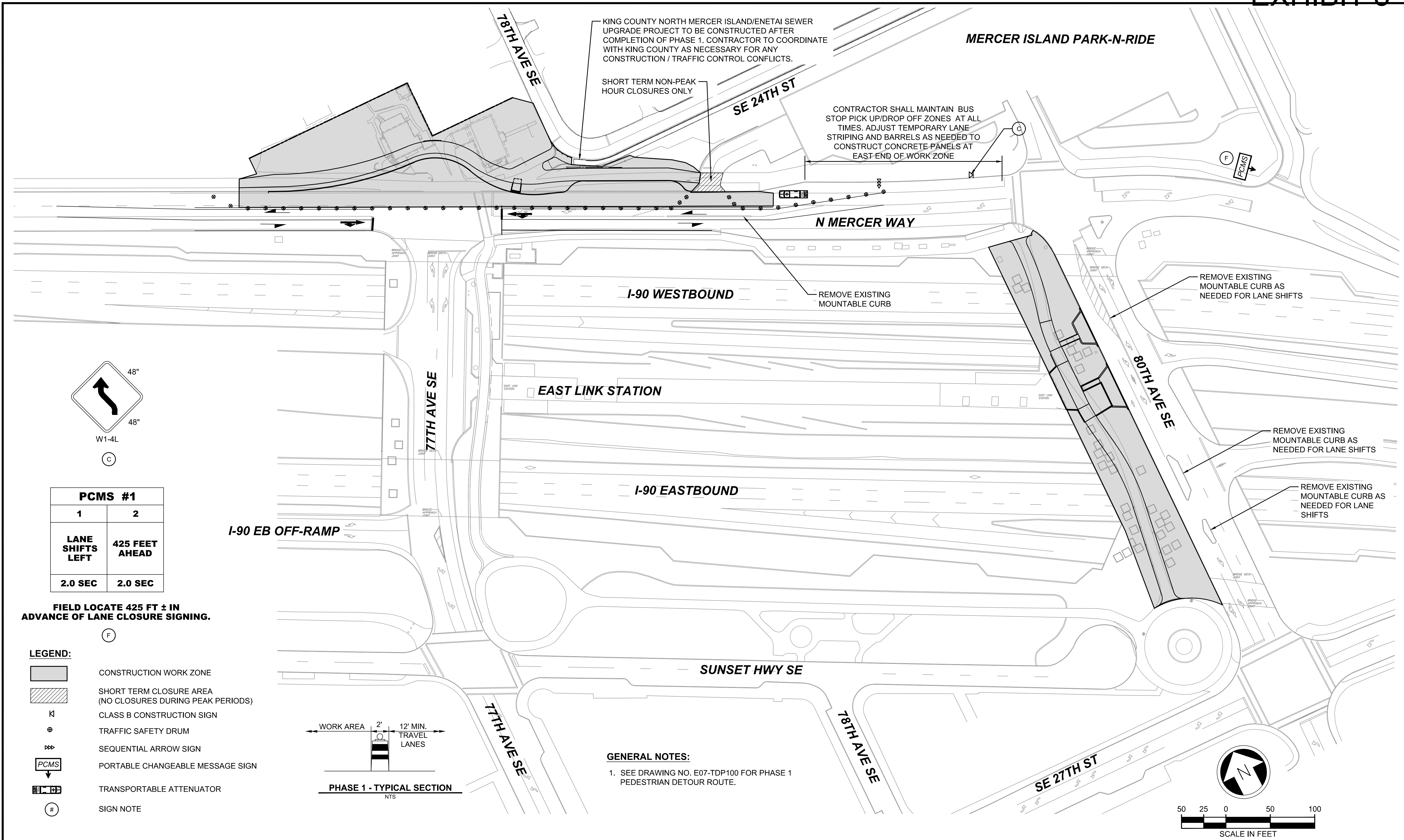
SCALE:
1" = 20'
FILENAME:
E135-E07-TMP006
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TEMPORARY TRAFFIC SIGNAL PLAN

DRAWING No.:
E07-TMP006
LOCATION ID:
E07
SHEET No.:
65 OF 104
REV:
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| No. | DATE | DSN | CHK | APP | REVISION |
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KING COUNTY NORTH MERCER ISLAND/ENETAJ SEWER UPGRADE PROJECT TO BE CONSTRUCTED AFTER COMPLETION OF PHASE 1. CONTRACTOR TO COORDINATE WITH KING COUNTY AS NECESSARY FOR ANY CONSTRUCTION / TRAFFIC CONTROL CONFLICTS.

SHORT TERM NON-PEAK HOUR CLOSURES ONLY

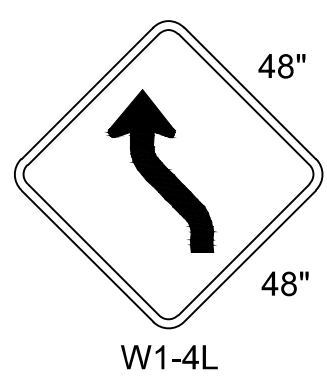
CONTRACTOR SHALL MAINTAIN BUS STOP PICK UP/DROP OFF ZONES AT ALL TIMES. ADJUST TEMPORARY LANE STRIPING AND BARRELS AS NEEDED TO CONSTRUCT CONCRETE PANELS AT EAST END OF WORK ZONE

REMOVE EXISTING MOUNTABLE CURB

REMOVE EXISTING MOUNTABLE CURB AS NEEDED FOR LANE SHIFTS

REMOVE EXISTING MOUNTABLE CURB AS NEEDED FOR LANE SHIFTS

REMOVE EXISTING MOUNTABLE CURB AS NEEDED FOR LANE SHIFTS



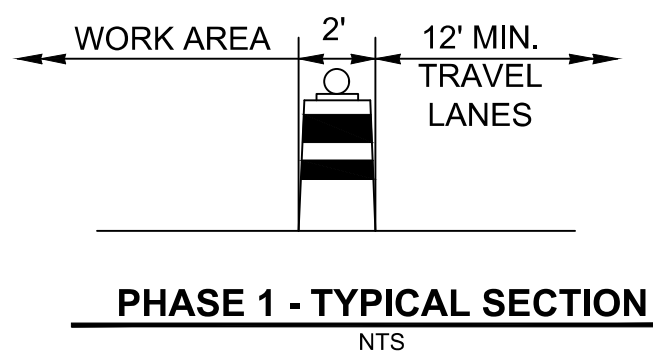
W1-4L

| PCMS #1 | |
|------------------|----------------|
| 1 | 2 |
| LANE SHIFTS LEFT | 425 FEET AHEAD |
| 2.0 SEC | 2.0 SEC |

FIELD LOCATE 425 FT ± IN ADVANCE OF LANE CLOSURE SIGNING.

LEGEND:

- CONSTRUCTION WORK ZONE
- SHORT TERM CLOSURE AREA (NO CLOSURES DURING PEAK PERIODS)
- CLASS B CONSTRUCTION SIGN
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- TRANSPORTABLE ATTENUATOR
- SIGN NOTE



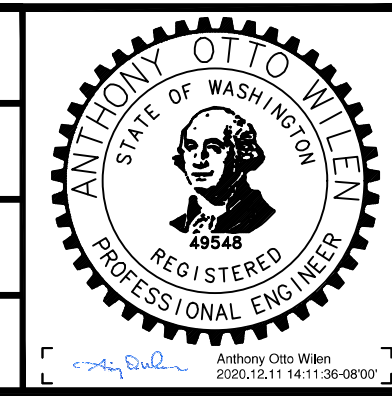
GENERAL NOTES:

- SEE DRAWING NO. E07-TDP100 FOR PHASE 1 PEDESTRIAN DETOUR ROUTE.

12/11/20 12:30 PM | OXA P:\S\TRA000087\0400CAD\TTS\HEETS\135-E07-TMP100.DWG

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

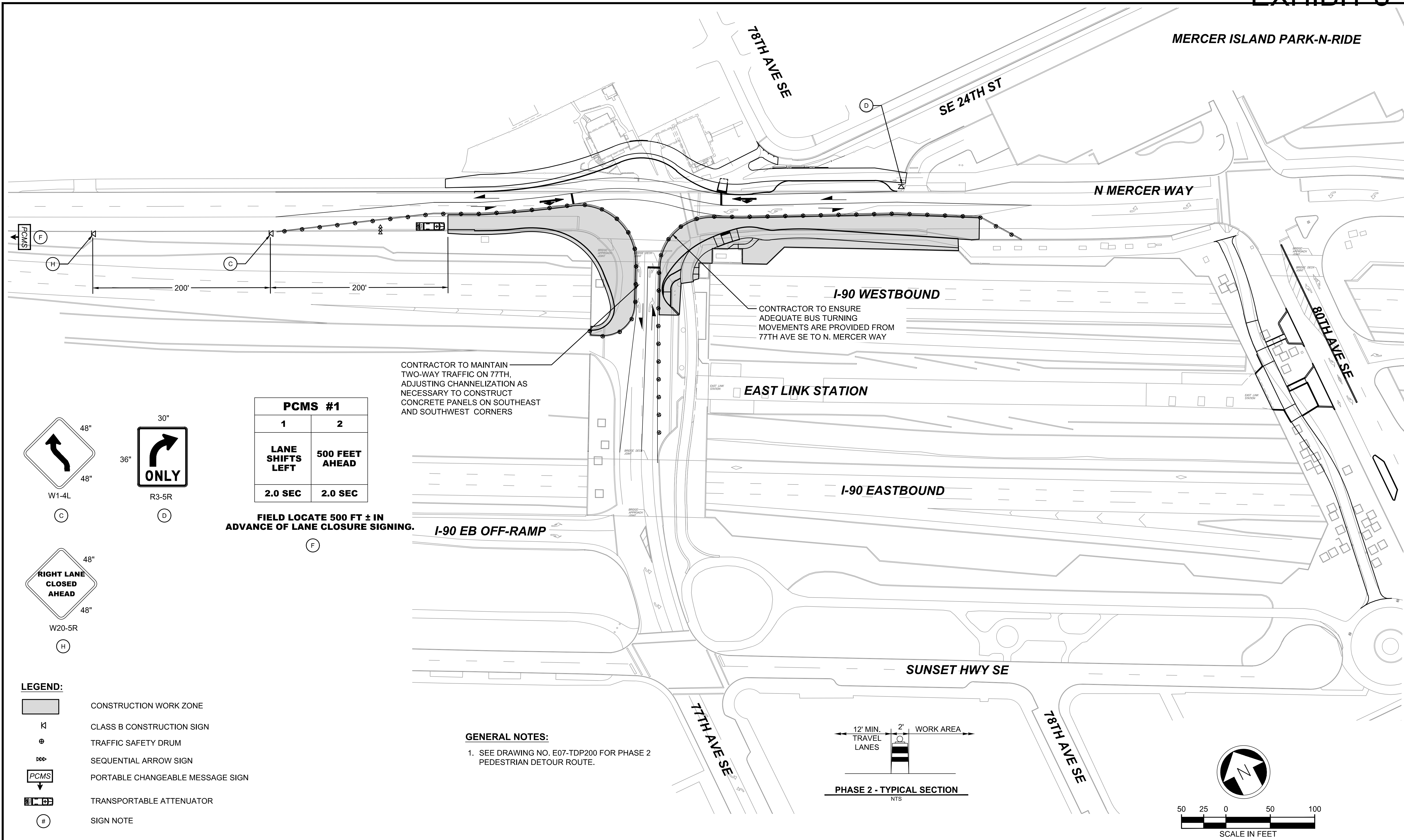


SCALE:
1" = 50'
FILENAME:
E135-E07-TMP100
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC CONTROL PLAN - PHASE 1

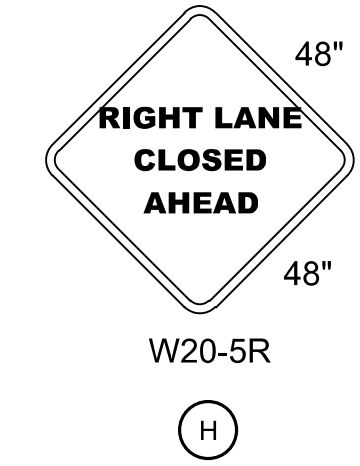
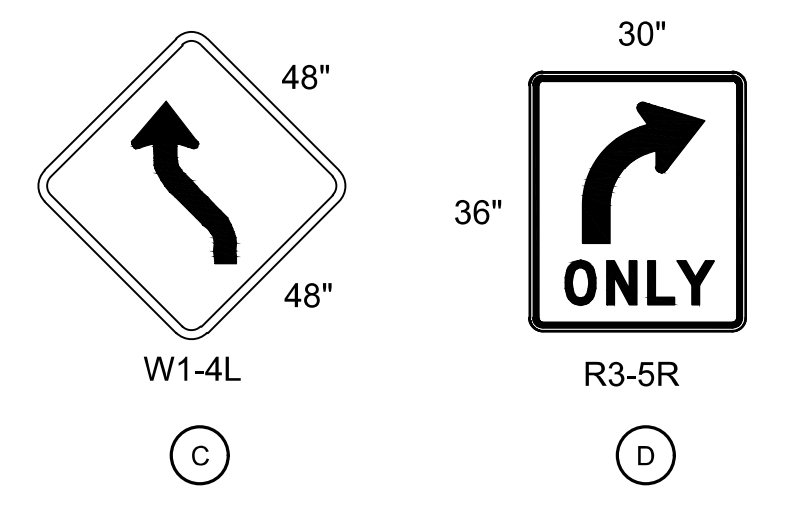
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E07-TMP100
LOCATION ID:
E07
SHEET No.:
66 OF 104
REV:
0

MERCER ISLAND PARK-N-RIDE



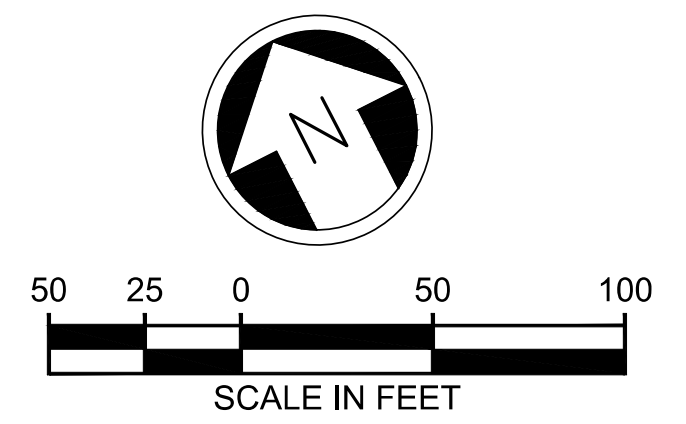
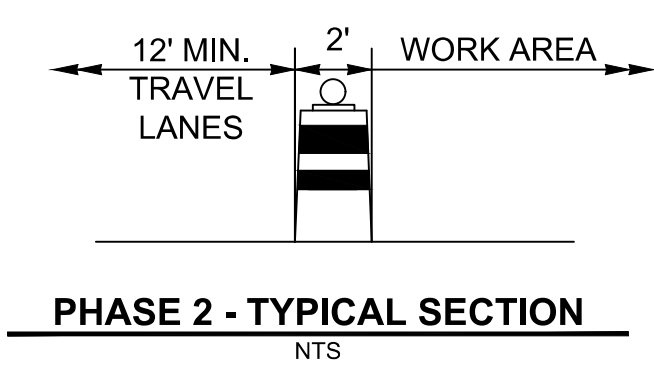
| PCMS #1 | |
|------------------|----------------|
| 1 | 2 |
| LANE SHIFTS LEFT | 500 FEET AHEAD |
| 2.0 SEC | 2.0 SEC |

FIELD LOCATE 500 FT ± IN ADVANCE OF LANE CLOSURE SIGNING.



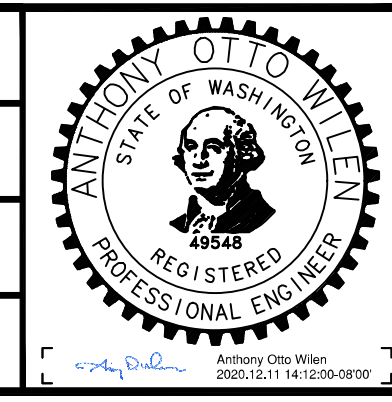
- LEGEND:**
- CONSTRUCTION WORK ZONE
 - CLASS B CONSTRUCTION SIGN
 - TRAFFIC SAFETY DRUM
 - SEQUENTIAL ARROW SIGN
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - TRANSPORTABLE ATTENUATOR
 - SIGN NOTE

GENERAL NOTES:
1. SEE DRAWING NO. E07-TDP200 FOR PHASE 2 PEDESTRIAN DETOUR ROUTE.



ISSUED FOR BID

DESIGNED BY: J. JACKSON
DRAWN BY: O. AHRENSFELD
CHECKED BY: M. FELIBERTI
APPROVED BY: A. WILEN



REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY

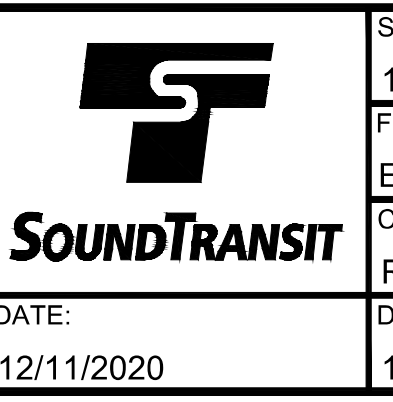
SUBMITTED BY: A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

DATE: 12/11/2020

LINE IS 1" AT FULL SCALE



SCALE: 1" = 50'
FILENAME: E135-E07-TMP200
CONTRACT No.: RTA/AE 0072-19
DATE: 12/11/2020

EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC CONTROL PLAN - PHASE 2

DRAWING No.: E07-TMP200
LOCATION ID: E07
SHEET No.: 67 OF 104
REV: 0

MERCER ISLAND PARK-N-RIDE

CONTRACTOR SHALL MAINTAIN LEFT TURNING TRAFFIC THROUGH WORKZONE AS POSSIBLE TO CONSTRUCT REMAINING CONCRETE PANEL WORK.

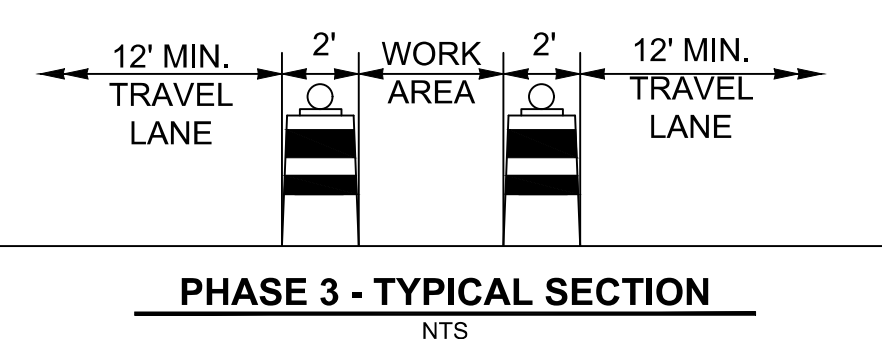
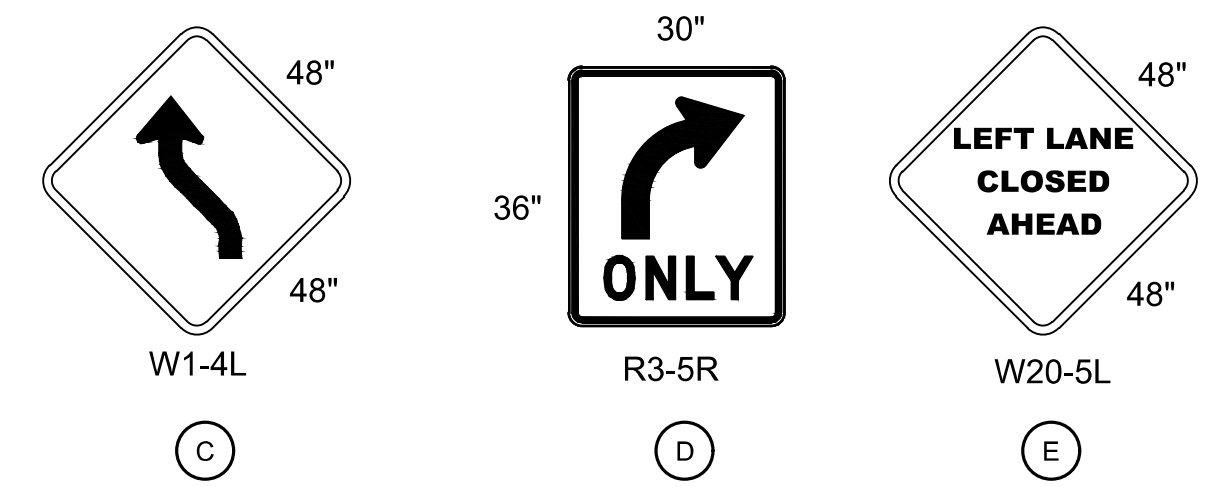
CONTRACTOR MAY TEMPORARILY CLOSE SOUTHBOUND MOVEMENT (DURING NON-PEAK HOURS) TO CONSTRUCT SPLITTER ISLAND. SEE DRAWING NO. E07-TDP001 FOR VEHICLE DETOUR PLAN

TEMPORARY BUS STOP DURING CONSTRUCTION AT EXISTING BUS STOP/SHELTERS ON N. MERCER WAY

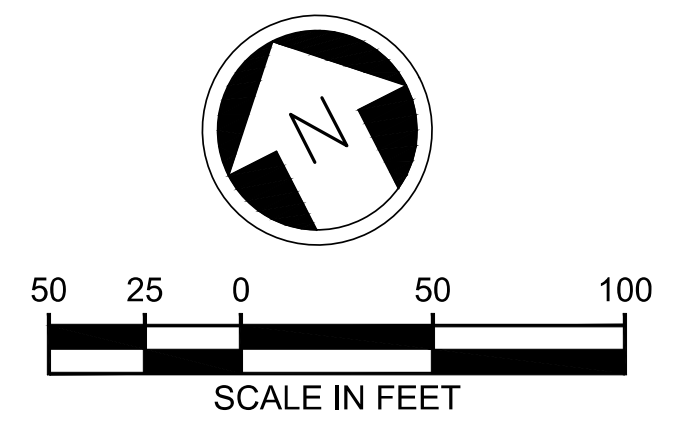
CONTRACTOR SHALL MAINTAIN NORTHBOUND RIGHT TURN MOVEMENT AT ALL TIMES DURING CONSTRUCTION

CONTRACTOR TO REBUILD EXISTING MOUNTABLE CURBS IN EXISTING LOCATIONS. SEE DRAWING NO. E07-CXP003 AND DRAWING NO. E07-CRP003 FOR ADDITIONAL DETAILS

CONTRACTOR TO REBUILD EXISTING MOUNTABLE CURBS IN EXISTING LOCATIONS. SEE DRAWING NO. E07-CXP003 AND DRAWING NO. E07-CRP003 FOR ADDITIONAL DETAILS



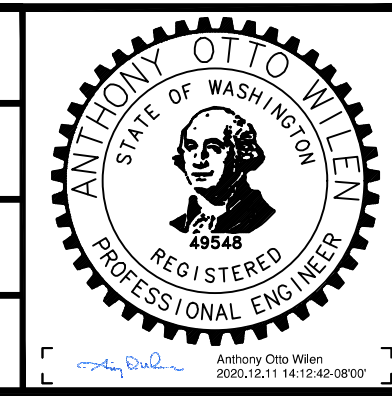
- GENERAL NOTES:**
- SEE DRAWING NO. E07-TDP001 FOR PHASE 3 VEHICLE DETOUR ROUTE.
 - SEE DRAWING NO. E07-TDP300 FOR PHASE 3 PEDESTRIAN DETOUR ROUTE.



- LEGEND:**
- CONSTRUCTION WORK ZONE
 - TEMPORARY BUS STOP
 - CLASS B CONSTRUCTION SIGN
 - TRAFFIC SAFETY DRUM
 - SEQUENTIAL ARROW SIGN
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - TRANSPORTABLE ATTENUATOR
 - SIGN NOTE

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN

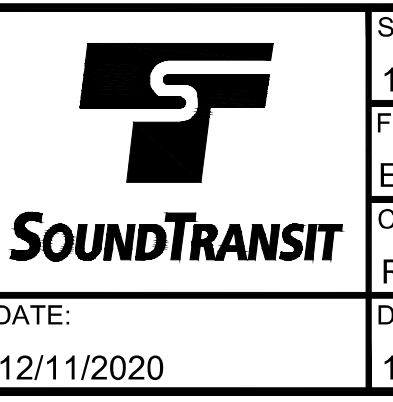


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December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500
DATE:
12/11/2020
REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE



SCALE:
1" = 50'
FILENAME:
E135-E07-TMP300
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
TRAFFIC CONTROL PLAN - PHASE 3




DRAWING No.:
E07-TMP300
LOCATION ID:
E07
SHEET No.:
68 OF 104
REV:
0

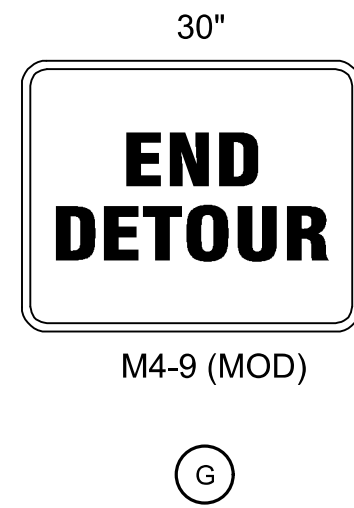
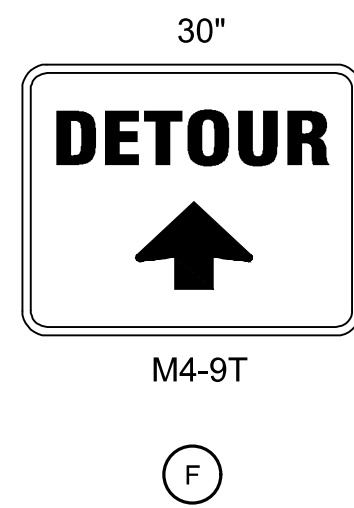
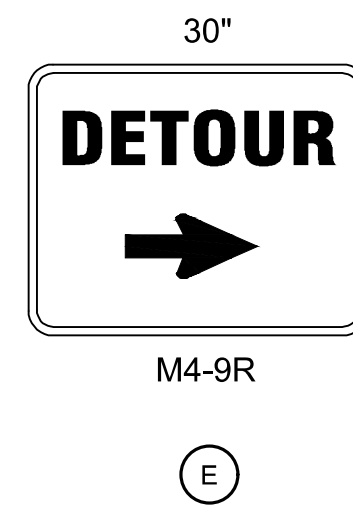
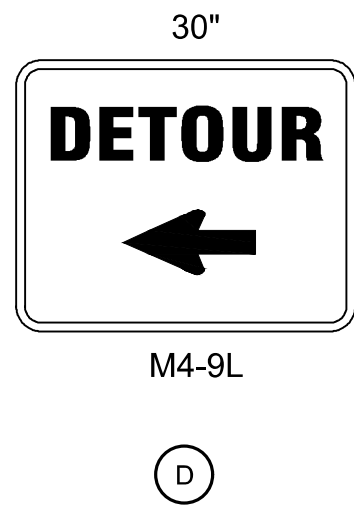
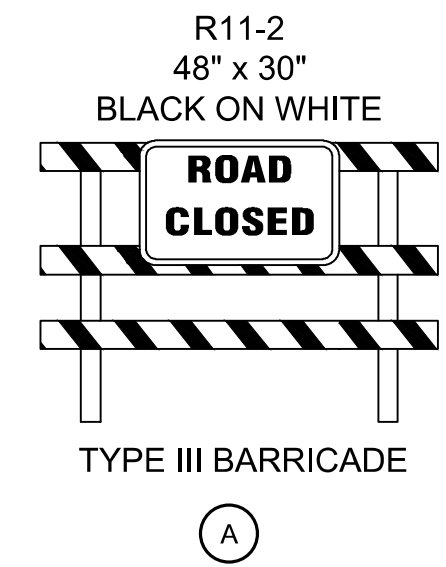
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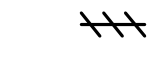

DETOUR NOTES:

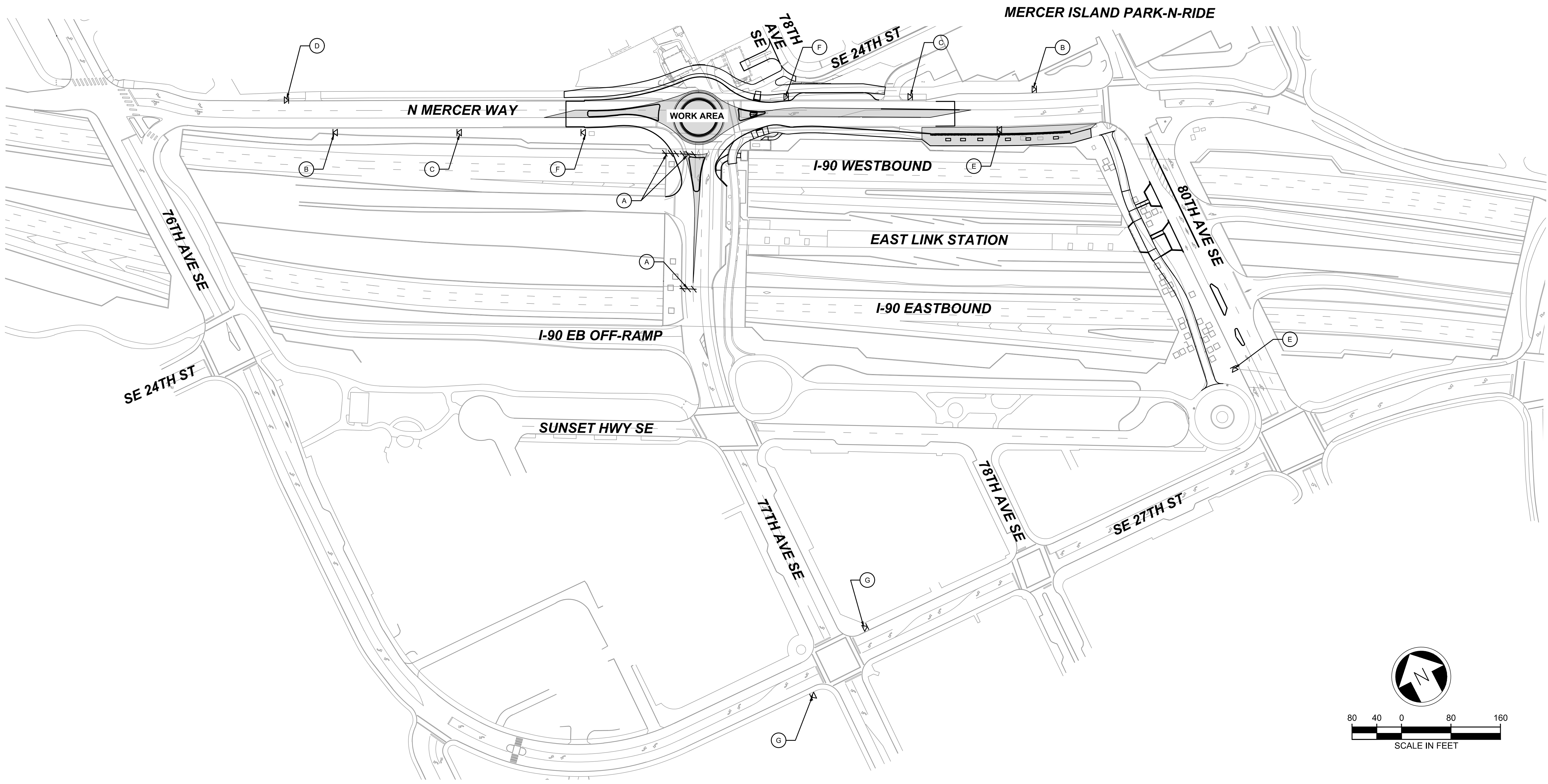
1. "W" SERIES SIGNS SHALL BE FLUORESCENT ORANGE.
2. CLASS 'A' SIGNS SHALL BE INSTALLED PRIOR TO INSTALLATION OF CLASS 'B' SIGNS AND TRAFFIC CONTROL DEVICES, AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
3. ACTUAL FIELD CONDITIONS OF TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE ENGINEER. TAPER LENGTHS, BUFFER DATA, SIGN AND DRUM SPACING SHALL ADHERE TO INFORMATION ON THIS SHEET.
4. SIGNS SHALL BE PLACED AS DEPICTED IN SHOULDER CLOSURE PLAN FOR EACH SHEET AND SHALL REMAIN IN THAT LOCATION FOR DURATION OF THE CONSTRUCTION STAGE.
5. DRIVEWAY ACCESS AND PEDESTRIAN ACCESS SHALL BE MAINTAINED ACCORDING TO THE SPECIAL PROVISIONS SECTION 1-07.23.
6. CONTRACTOR SHALL PLACE "OPEN FOR BUSINESS" SIGNS FOR ALL AFFECTED BUSINESSES. CONTRACTOR SHALL RELOCATE THESE SIGNS AS NECESSARY TO COMPLETE THE WORK AND ALSO TO PROVIDE INFORMATION TO THE PUBLIC.
7. NOTIFICATION MUST BE GIVEN BY THE CONTRACTOR TO THE CITY OF MERCER ISLAND PRIOR TO LANE CLOSURES. A MINIMUM OF 48 HOUR NOTICE IS REQUIRED TO BE GIVEN TO THE CITY OF MERCER ISLAND AND KING COUNTY METRO PRIOR TO ALL LANE CLOSURES. NOTIFICATION SHALL BE PROVIDED TO MERCER ISLAND POLICE AT (425) 587-3400 AND MERCER ISLAND FIRE AT (206) 275-7607.
8. DEVICE TAPER SHALL EXTEND ACROSS SHOULDERS, L/3 TAPER.
9. ONLY ESSENTIAL EQUIPMENT AND MATERIALS SHALL BE INSIDE ROW DURING WORK HOURS. NO EQUIPMENT OR MATERIALS SHALL BE INSIDE ROW DURING NON-WORKING HOURS.
10. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
11. ADHERE TO REQUIREMENTS OF WSDOT STD SPEC. 1-07.23 INCLUDING, BUT NOT LIMITED TO, DROP OFF PROTECTION.
12. 12 FEET MINIMUM LANE WIDTHS SHALL BE MAINTAINED AT ALL TIMES.

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|-------------------------|------|-----|-----|-----|----------|---|---|---|--|--------------------------|---|--|--|--|
| <h1>ISSUED FOR BID</h1> | | | | | | DESIGNED BY: J. JACKSON DRAWN BY: O. AHRENSFELD CHECKED BY: M. FELIBERTI APPROVED BY: A. WILEN |  |  |  <p>DAVID EVANS AND ASSOCIATES INC. 14432 SE Eastgate Way, Suite 400 Bellevue Washington 98007 Phone: 425.519.6500</p> | LINE IS 1" AT FULL SCALE |  | SCALE: NTS FILENAME: E135-E07-TDN001 CONTRACT No.: RTA/AE 0072-19 | <p>EAST LINK EXTENSION MERCER ISLAND TRANSIT INTERCHANGE 77TH AVE SE, 80TH AVE SE, & N MERCER WAY</p> <p>DETOUR NOTES</p> | DRAWING No.: E07-TDN001 LOCATION ID: E07 SHEET No.: 69 OF 104 REV: 0 |
| No. | DATE | DSN | CHK | APP | REVISION | SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 | DATE: 12/11/2020 | | | | |



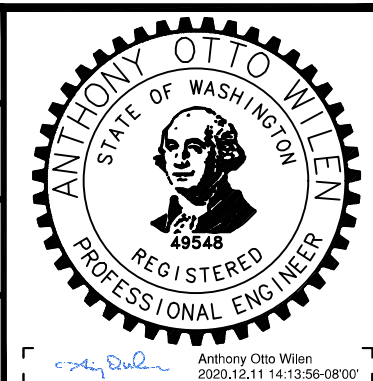
- LEGEND:**
-  CONSTRUCTION WORK ZONE
 -  CLASS B CONSTRUCTION SIGN
 -  TYPE 3 BARRICADE
 -  SIGN NOTE



12/11/20 | 12:32 PM | OXA
P:\S\TRA\000087\0400CAD\TTS\0001.DWG

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 80'
FILENAME:
E135-E07-TDP001
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020





EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
VEHICLE DETOUR PLAN - PHASE 3

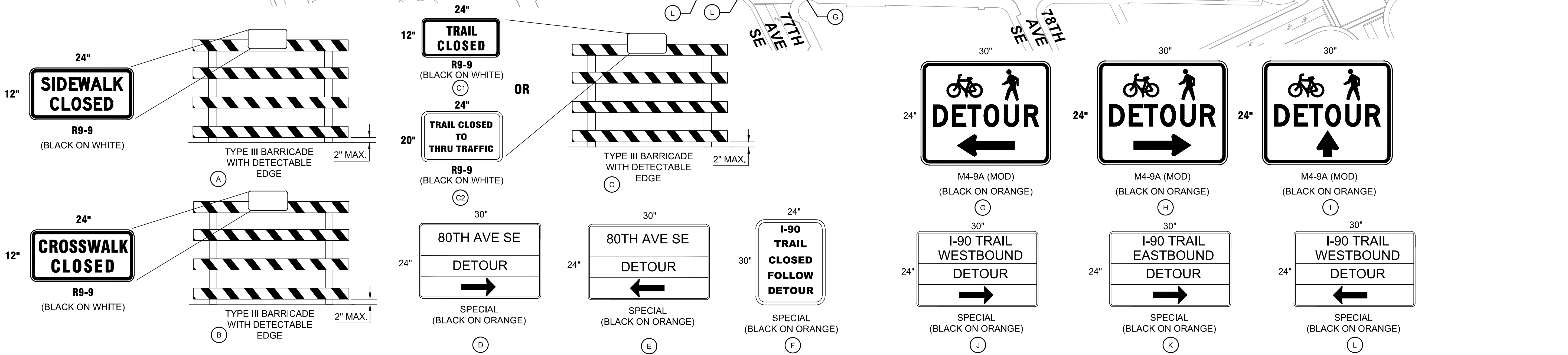
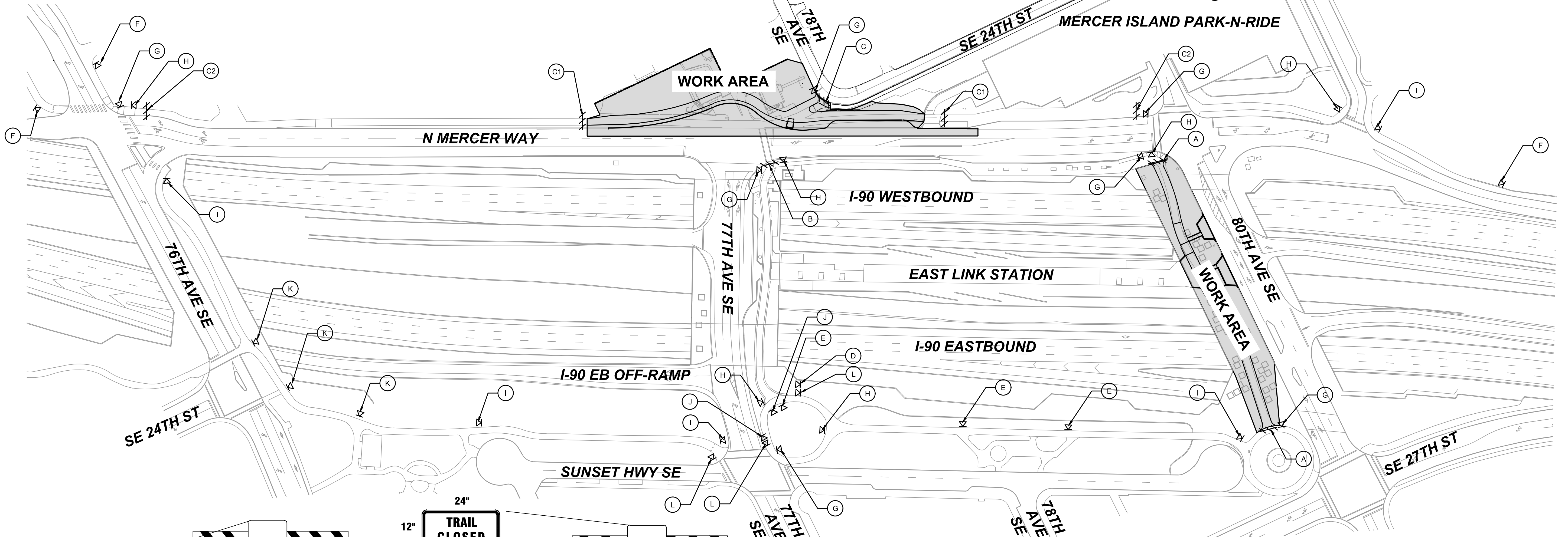
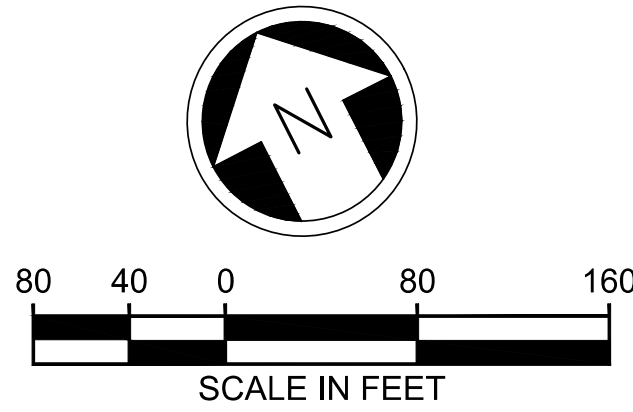
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E07-TDP001
LOCATION ID:
E07
SHEET No.:
70 OF 104
REV:
0

| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |

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|---------------------------|---------------------|-----------------------|---------------------|
| SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
|---------------------------|---------------------|-----------------------|---------------------|

LEGEND:

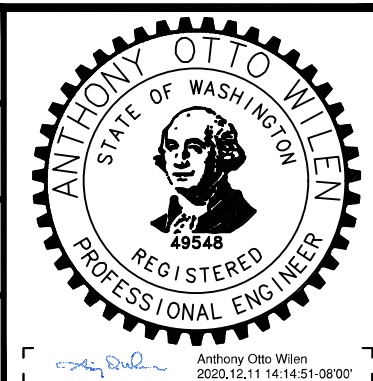
-  CONSTRUCTION WORK ZONE
-  CLASS B CONSTRUCTION SIGN
-  TYPE 3 BARRICADE
-  SIGN NOTE



12/11/20 | 12:32 PM | OXA P:\S\TRA\000087\0400CAD\TTS\HEETS\15-507-TDP-100.DWG

ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

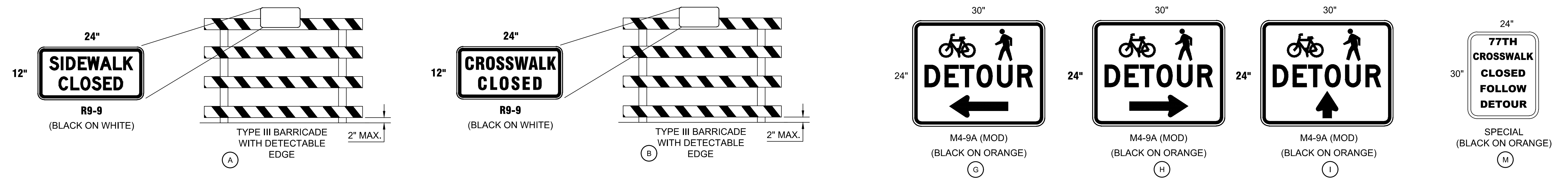
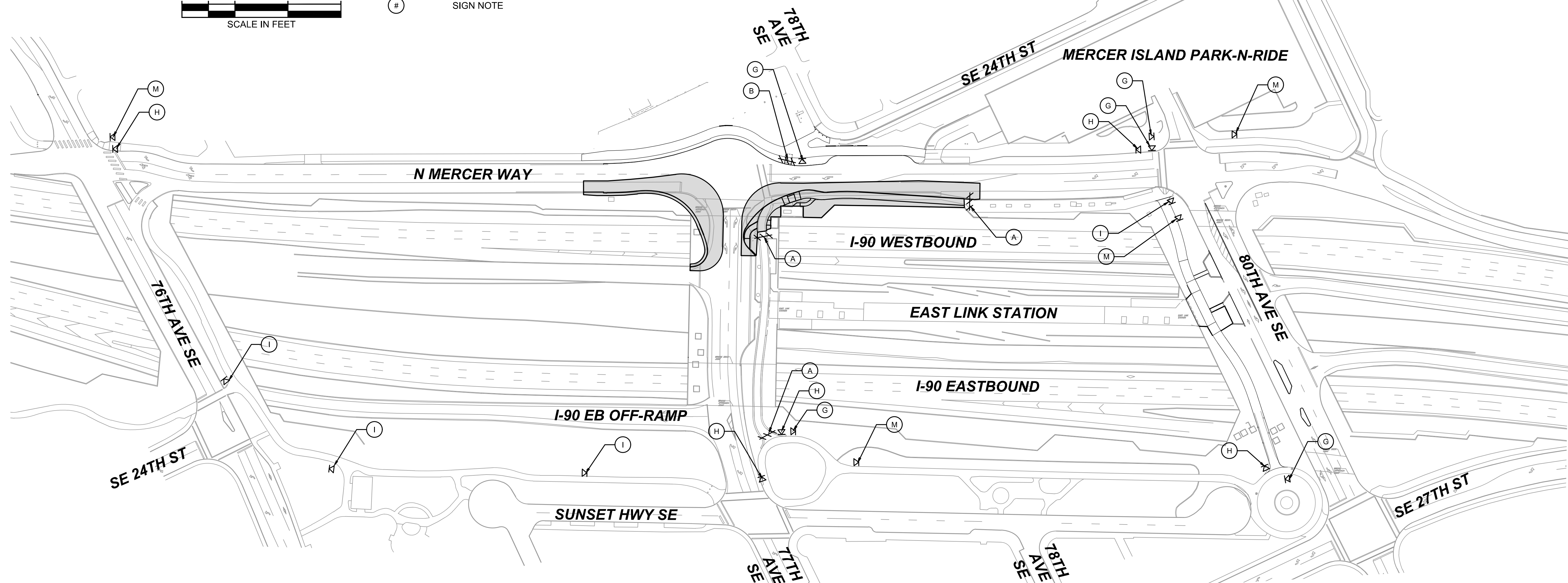
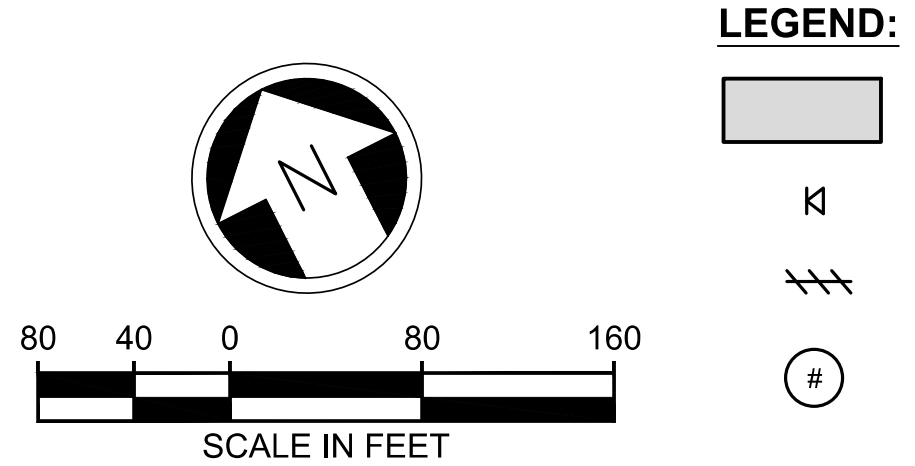


SCALE:
1" = 80'
FILENAME:
E135-E07-TDP100
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
PEDESTRIAN DETOUR PLAN - PHASE 1

DRAWING No.:
E07-TDP100
LOCATION ID:
E07
SHEET No.:
71 OF 104
REV:
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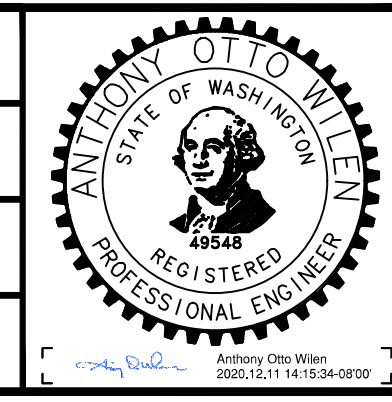
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ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN

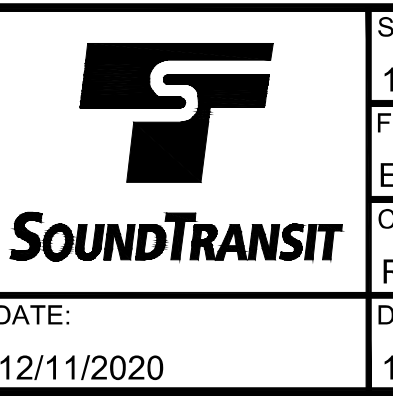


REVIEWED FOR CODE COMPLIANCE
December 21, 2020
SITE COPY
SUBMITTED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500
REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE

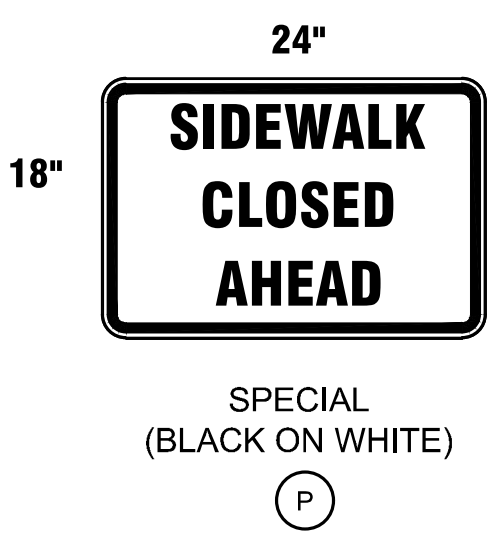
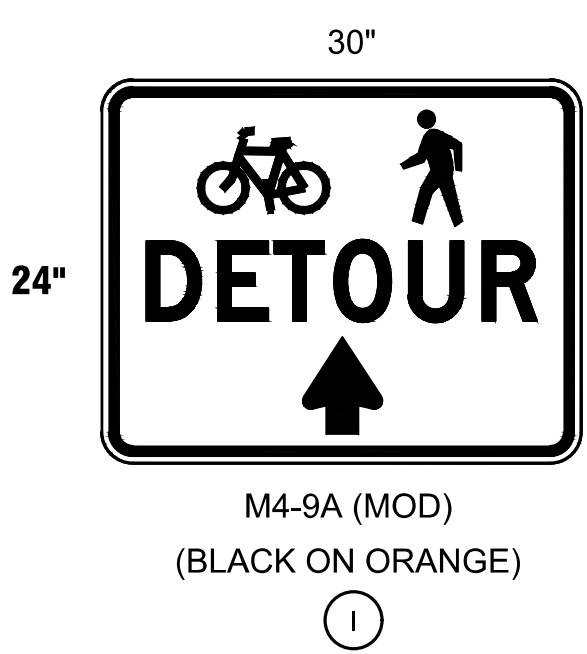
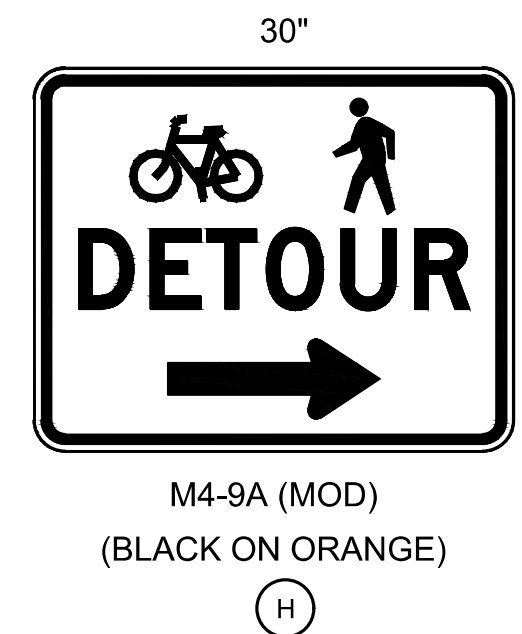
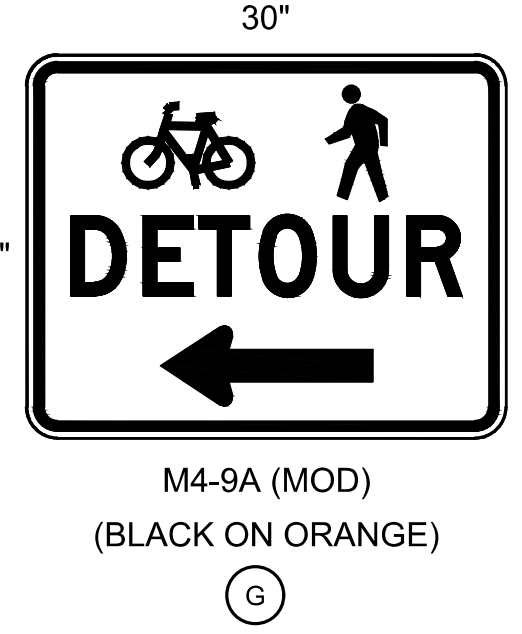
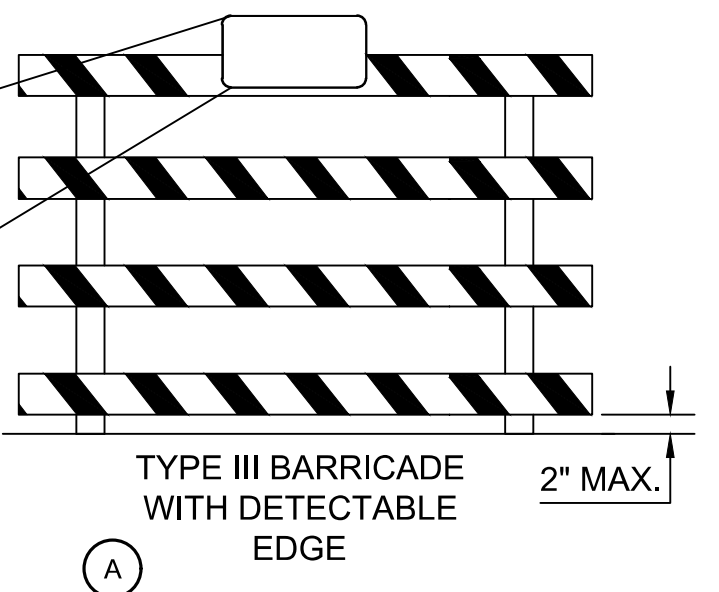
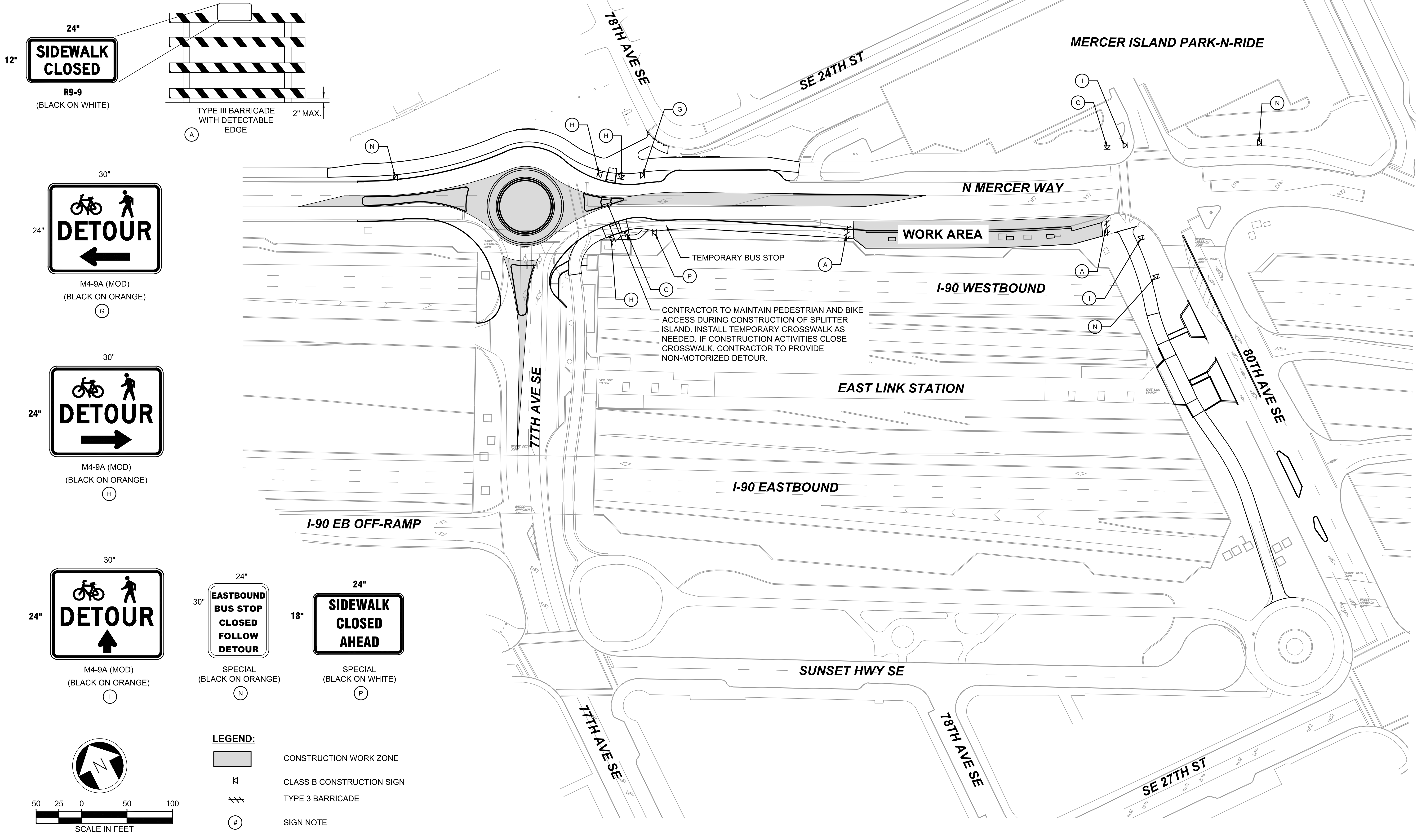


SCALE:
1" = 80'
FILENAME:
E135-E07-TDP200
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
PEDESTRIAN DETOUR PLAN - PHASE 2

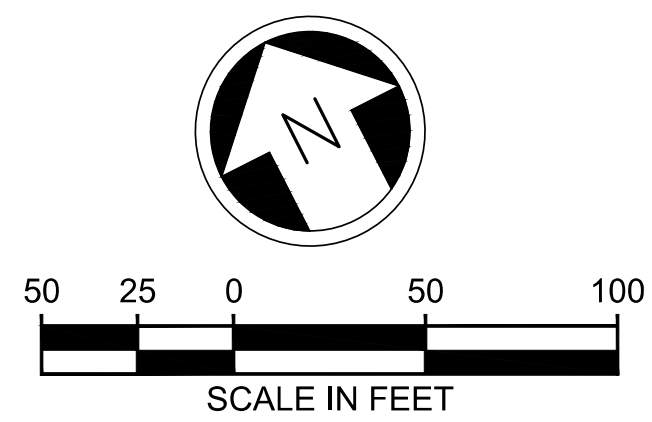
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LOCATION ID:
E07
SHEET No.:
72 OF 104
REV:
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| No. | DATE | DSN | CHK | APP | REVISION |
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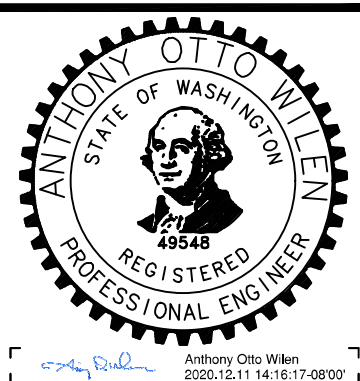
LEGEND:

- CONSTRUCTION WORK ZONE
- CLASS B CONSTRUCTION SIGN
- TYPE 3 BARRICADE
- SIGN NOTE



ISSUED FOR BID

DESIGNED BY:
J. JACKSON
DRAWN BY:
O. AHRENSFELD
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M. FELIBERTI
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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU



DATE:
12/11/2020

SCALE:
1" = 50'
FILENAME:
E135-E07-TDP300
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
PEDESTRIAN DETOUR PLAN - PHASE 3

DRAWING No.:
E07-TDP300
LOCATION ID:
E07
SHEET No.:
73 OF 104
REV:
0

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1. GENERAL:

- A. THESE NOTES APPLY TO RETAINING WALLS, CURB WALLS, CURB ANCHORS, AND LUMINAIRE AND SIGN FOUNDATIONS
- B. ALL WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE LATEST EDITION OF THE CURRENT DRAWINGS AND STANDARDS AS SPECIFIED.
- C. DRAWINGS SHALL NOT BE SCALED. ANY DISCREPANCIES BETWEEN THE DRAWINGS SHALL BE REFERRED TO THE ENGINEER FOR CLARIFICATION PRIOR TO UNDERTAKING THE WORK.
- D. VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF RECORD ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITION AND THE CONTRACT DRAWINGS, OBTAIN DIRECTION FROM THE ENGINEER OF RECORD BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (+/-) INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. PRIOR TO CONSTRUCTION, VERIFY THAT OVERHEAD OBSTRUCTIONS, INCLUDING ELECTRICAL LINES, DO NOT INTERFERE WITH THE USE OF DRILLING EQUIPMENT.

2. EXISTING STRUCTURE:

CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO LOCATE AND AVOID EXISTING REINFORCING WHEN CUTTING HOLES AND OPENINGS FOR UTILITIES AND ACCESS OR DRILLING HOLES FOR DOWELS AND ANCHORS: SEE SPECIAL PROVISION "LOCATING EMBEDDED ITEMS".

3. DESIGN SPECIFICATIONS:

DESIGN SPECIFICATIONS ARE AS FOLLOWS UNLESS NOTED OTHERWISE.

- A. "SOUND TRANSIT LINK DESIGN CRITERIA MANUAL" FEBRUARY 2020, REVISION 5, AMENDMENT 5 (DCM)
- B. "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS" 8TH EDITION, SEPTEMBER 2017
- C. "WSDOT STANDARD SPECIFICATION" 2020
- D. "WSDOT DESIGN MANUAL" DECEMBER 2019
- E. "WSDOT GEOTECHNICAL DESIGN MANUAL" JULY 2019
- F. "WSDOT BRIDGE DESIGN MANUAL" JULY 2019
- G. "AMERICAN CONCRETE INSTITUTE" 318-14

4. DESIGN LOADS:

THE LOADS SHOWN IN THESE GENERAL NOTES SUPPLEMENT THE INFORMATION PROVIDED IN THE SOUND TRANSIT DESIGN CRITERIA MANUAL. WHERE IN CONFLICT, THE INFORMATION SHOWN IN THESE GENERAL NOTES SHALL GOVERN.

- A. DEAD LOADS (DC):
 SELF WEIGHT:
 CAST-IN-PLACE REINFORCED CONCRETE $\rho = 155 \text{ PCF}$
 PRECAST CONCRETE (GRAVITY BLOCK) $\rho = 138 \text{ PCF}$
- B. WIND LOADS (WS, WL)
 BASE WIND SPEED $V = 115 \text{ MPH}$
 DESIGN WIND PRESSURE ON MEMBERS $P_z = 31 \text{ PSF}$
 DESIGN WIND PRESSURE ON LUMINAIRE $P_z = 15.4 \text{ PSF}$
 DESIGN WIND PRESSURE ON SIGN PANEL $P_z = 37 \text{ PSF}$
- C. FALL PREVENTION ON RAILING (LL)
 APPLIED ALONG UPPERMOST RAIL, ANY DIRECTION: $0.2K + 0.05KLF$ (PER POST)

5. REFERENCES:

GEOTECHNICAL REPORT BY HWA GEOSCIENCE INC. DATED NOVEMBER 13, 2020.

6. DIMENSIONS:

- A. ALL PLAN DIMENSIONS ARE MEASURED IN A TRUE HORIZONTAL PLANE.
- B. ALL VERTICAL DIMENSIONS ARE MEASURED IN A TRUE VERTICAL PLANE.
- C. ALL DIMENSIONS, LOCATIONS, AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED IN THE FIELD.

7. MATERIAL PROPERTIES:

CONCRETE SHALL BE CLASS 4000, UNO
 FOR GRAVITY BLOCK WALL, CONCRETE SHALL BE CLASS 2000.

8. SEISMIC DESIGN PARAMETERS:

SITE CLASS = D $S_1 = 0.328 \text{ g}$ $F_{PGA} = 1.058$ $F_v = 1.744$
 PGA = 0.44 g $SS = 0.986 \text{ g}$ $F_a = 1.106$

9. STRUCTURAL CONCRETE:

- A. ALL EXPOSED EDGES OF CONCRETE WITH AN ANGLE CHANGE GREATER THAN 50 DEGREES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- B. CONCRETE CLEAR COVER REQUIREMENTS SHALL BE SPECIFIED BELOW UNLESS NOTED OTHERWISE ON THE DRAWINGS.

| | |
|--|----------------------|
| LOCATION | SPECIFIED COVER (IN) |
| CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH | 3.0" |
| CAST-IN-PLACE CONCRETE EXPOSED TO EARTH OR WEATHER | |
| PRIMARY REINFORCEMENT | 2.0" |
- C. MECHANICAL ANCHORS: INSTALL IN CONFORMANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

10. REINFORCING STEEL:

- A. REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR ASTM A706 GRADE 60, UNLESS NOTED OTHERWISE.
- B. ALL REINFORCING BAR BENDS AND STANDARD HOOKS SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

11. STRUCTURAL STEEL:

- A. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

| | |
|------------------------------------|------------------------|
| SOLDIER PILE | A572 OR A992, GRADE 50 |
| PLATES, BARS, CHANNELS, AND ANGLES | A36 |
| HOLLOW STRUCTURAL SECTIONS | A500 GRADE B |
| STEEL PIPES | A53 GRADE B |
- B. WELDING ELECTRODES SHALL BE 70XX SERIES CONFORMING TO ANSI AWS D1.1. WELDING SHALL BE CONDUCTED BY A WABO CERTIFIED WELDER.

12. ANCHOR RODS:

- A. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 36, INCLUDING SUPPLEMENTAL REQUIREMENT S4 AND SHALL BE HOT DIPPED GALVANIZED TO ASTM F2329 UNO.
- B. NUTS SHALL CONFORM TO ASTM A563. WASHERS SHALL CONFORM TO ASTM F436. WASHERS AND NUTS SHALL BE HOT DIPPED GALVANIZED TO ASTM A153 UNO.
- C. ONE NUT AND ONE WASHER SHALL BE SUPPLIED WITH EACH ANCHOR ROD UNLESS OTHERWISE NOTED ON THE DRAWING.

13. SOLDIER PILES WALLS

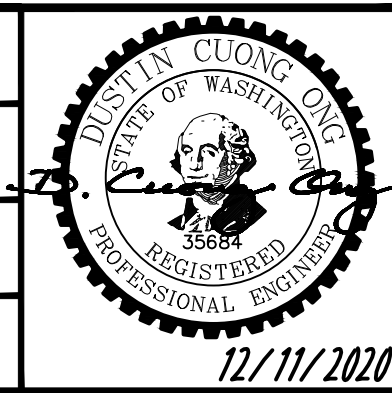
- A. SHAFT EXCAVATION: EXCAVATE SHAFT TO DEPTHS AS SHOWN ON THE CONTRACT PLANS. SHAFT MINIMUM DIAMETER AS SHOWN ON THE CONTRACT PLANS. EXCAVATE SHAFTS WITHOUT LOSS OF GROUND AND WITHOUT ENDANGERING PREVIOUSLY INSTALLED SHAFTS OR OTHER STRUCTURES USING TEMPORARY CASING HOLES OR OTHER METHODS OF PROTECTION FROM CAVING. DO NOT COMMENCE SHAFT EXCAVATION UNTIL THE SHAFT BACKFILL FOR THE ADJACENT SHAFTS HAS BEEN PLACED AND HAS REACHED A STRENGTH OF 100 PSI. ONCE THE EXCAVATION OPERATION HAS STARTED, EXCAVATE IN A CONTINUOUS OPERATION UNTIL THE EXCAVATION OF THE SHAFT IS COMPLETED.
- B. PILE INSTALLATION: LOWER PILE INTO SHAFT USING CENTERING DEVICES AND SET VERTICALLY WITHIN THE SHAFT TO THE DESIGN DEPTH SHOWN ON THE CONTRACT DRAWINGS. ALIGN PILE FLANGES PARALLEL TO FUTURE EXCAVATION LINE, EXCEPT WHERE OTHERWISE NOTED.
- C. SHAFT BACKFILLING: BACKFILL EXCAVATED SHAFT AS SHOWN ON THE CONTRACT DRAWINGS. WHENEVER PRACTICAL, PLACE BACKFILL IN DRY SHAFT EXCAVATIONS. PLACE SHAFT BACKFILL BY A MEANS THAT PREVENTS SEGREGATION OF AGGREGATES. PLACE SHAFT BACKFILL IN ONE CONTINUOUS OPERATION TO THE TOP OF THE SHAFT. REMOVE TEMPORARY CASING, IF PRESENT, IN SUCH A MANNER AS TO PREVENT THE MOVEMENT OF THE STEEL PILE.
- D. SHAFT/PILE TOLERANCES: CONSTRUCT SHAFTS SUCH THAT THE CENTER AT THE TOP OF THE SHAFT IS WITHIN 1 INCH OF THE DESIGN LOCATIONS SHOWN IN THE CONTRACT DRAWINGS, AND SUCH THAT SHAFTS ARE WITHIN 0.5 PERCENT OF PLUMB. CENTER STEEL PILES WITHIN SHAFTS. PILES SHALL NOT ENCR OACH INTO THE EXCAVATION ENVELOPE. SOLDIER PILE ELEVATIONS SHALL BE WITHIN 3 INCHES OF THOSE SHOWN ON THE CONTRACT DRAWINGS.
- E. SOLDIER PILES SHALL BE PAINTED TO THE LIMITS SHOWN IN THE PLANS IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 6-16.3(4).
- F. FOR CONCRETE FINISH ON EXPOSED FACE OF LAGGING, SEE DRAWING E07-SWD003.

12/18/20 | 9:43 AM | HUE ONG | P:\STRUCTURAL\2020\20001 - MERCER ISLAND TRANSIT IC (DEA)\6.0 CADD\DRAWING\E135-E07-SWN001.DWG



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|-----------------------------|
| DESIGNED BY: P. BARUWAL |
| DRAWN BY: H. ONG |
| CHECKED BY: M. HELMINGER |
| APPROVED BY: D.C. ONG |



CIVILTECH
engineering

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Phone: 425.519.6500

SOUNDTRANSIT

| |
|---------------------------------|
| SCALE: NTS |
| FILENAME: E135-E07-SWN001 |
| CONTRACT No.: RTA/AE 0072-19 |
| DATE: 12/11/2020 |

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

STRUCTURES - SITE WALLS
STRUCTURAL GENERAL NOTES

| |
|-----------------------------------|
| DRAWING No.: E07-SWN001 |
| LOCATION ID: E07 |
| SHEET No.: 74 OF 104 |
| REV: 0 |

| REQUIRED GEOTECHNICAL SPECIAL INSPECTIONS | | | | | |
|--|--------------------|----------------------------|--------------------|----------------------|---------|
| SYSTEM OR MATERIAL | SEISMIC PARAMETERS | | | | REMARKS |
| | IBC CODE REFERENCE | CODE OR STANDARD REFERENCE | FREQUENCY (NOTE 6) | | |
| | | | CONTINUOUS | PERIODIC | |
| SOILS | | | | | |
| VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY | TB 1705.6 | GEOTECHNICAL REPORT | | X | |
| VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL | | | | X | |
| PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS | | | | X | |
| VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL | | | X | | |
| PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY | | | | X | |
| STRUCTURE EXCAVATION | | | N/A | PROJECT REQUIREMENTS | |
| FIELD TESTING | N/A | PROJECT REQUIREMENTS | X | | |
| RETAINING WALLS | N/A | PROJECT REQUIREMENTS | X | | |

STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

- SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AND CITY OF MERCER ISLAND AMENDMENTS.
- REFERENCE CODES AND STANDARDS ARE AS FOLLOWS:
 IBC - 2015 AWS - CURRENT EDITION AISC - 360-10, 341-10 TMS - 402-13, 602-13
 ACI - 318-14 ASTM - CURRENT EDITION RCSC - 2014
- SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS), ASTM D3740 (SOILS), ASTM C1077 (CONCRETE), ASTM A880 (STEEL), AND ASTM E543 (NON-DESTRUCTIVE). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE RESIDENT ENGINEER A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1.1 OF AWS D1.1.[WABO]
- SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE RESIDENT ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.
- SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, RESIDENT ENGINEER AND CONTRACTOR. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
- CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
- WHERE PERIODIC INSPECTION IS ALLOWED IN ACCORDANCE WITH THE ANCHOR ICC EVALUATION REPORT, INSPECTION SHALL BE AS FOLLOWS:
 - FOR ALL ANCHORS, PRIOR TO CONCEALMENT, VERIFY: ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR SPACING AND EDGE DISTANCE.
 - FOR EACH ANCHOR TYPE AND SIZE, INSPECTOR SHALL BE ON SITE TO CONTINUOUSLY INSPECT A MINIMUM OF THE FIRST 10 ANCHORS INSTALLED BY EACH INSTALLER FOR CONFORMANCE WITH ICC EVALUATION REPORT, PROVIDED ALL ANCHORS ARE INSTALLED CORRECTLY PER MANUFACTURER'S INSTRUCTIONS, PROVIDE PERIODIC INSPECTION ON A MINIMUM OF 10% OF THE NEXT 1000 ANCHORS BY EACH INSTALLER AND MINIMUM OF 5% OF THE REMAINING ANCHORS BY EACH INSTALLER. NON-COMPLIANT ANCHORS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND SHALL BE BROUGHT INTO COMPLIANCE BY EITHER TESTING OR RE-INSTALLATION.
 - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS, SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE MINIMUM NUMBER OF ANCHORS WERE INSPECTED.
- OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH ELEMENT.

| REQUIRED STRUCTURAL SPECIAL INSPECTION - CONCRETE | | | | | |
|---|--|---|--|----------------------------------|--|
| SYSTEM OR MATERIAL | IBC CODE REFERENCE | CODE OR STANDARD REFERENCE | FREQUENCY (NOTE 6) | | REMARKS |
| | | | CONTINUOUS | PERIODIC | |
| | | | INSPECT REINFORCEMENT AND VERIFY PLACEMENT | TB 1705.3(1) 1705.3 1908.4 | |
| REINFORCEMENT BAR WELDING | TB 1705.3(2) 1705.3.1 | ACI 318:26.6.4 AWS D1.4, SECTION 7 | X | | EXCEPT AS NOTED OTHERWISE |
| MATERIAL VERIFICATION OF WELD FILLER METAL | TB 1705.3.1 | ACI 318:26.6.4 AWS D1.4, SECTION 7 | | X | MANUFACTURER'S CERTIFIED TEST REPORTS |
| VERIFY USE OF PROPER WPS'S | | | | X | COPY OF WELDING PROCEDURE SPECIFICATIONS |
| VERIFY WELDER QUALIFICATIONS | | | | X | COPY OF QUALIFICATION CARDS |
| VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706 | TB 1705.3(2.a) | AWS D1.4, ACI 318:26.6.4 | | X | CERTIFIED MILL TEST REPORTS |
| INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" | TB 1705.3(2.b) | AWS D1.4, ACI 318:26.6.4 | | X | ALL WELDS VISUALLY INSPECTED PER AWS D1.4 7.5 |
| INSPECT ALL OTHER WELDS | TB 1705.3(2.c) | AWS D1.4, ACI 318:26.6.4 | X | | |
| INSPECTION OF ANCHORS CAST IN CONCRETE | TB 1705.3(3) | ACI 318:17.8.2 | | X | ALL ANCHORS SHALL BE VISUALLY INSPECTED |
| INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS | | | | | |
| ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS | TB 1705.3(4a) | ICC EVALUATION RPT ACI 318:17.8.2.4 | | X | |
| MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE | TB 1705.3(4b) | ICC EVALUATION RPT ACI 318:17.8.2 | | X (NOTE 7) | ALL ANCHORS SHALL BE VISUALLY INSPECTED |
| VERIFY USE OF REQUIRED DESIGN MIX | TB 1705.3(5) 1705.3 1904.1-2 1908.2-3 | ACI 318: 26.4.3, 26.4.4 | | X | |
| PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE | TB 1705.3(6) 1910.10 | ASTM C172 ASTM C31 ACI 318: 26.4, 26.4.4 | | X | |
| INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES | TB 1705.3(7) 1705.3 1910.6-8 | ACI 318:26.5 | X | | |
| VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES | TB 1705.3(8) 1705.3 1910.9 | ACI 318: 26.5.3-26.5.5 | | X | |
| INSPECT ERECTION OF PRECAST CONCRETE MEMBERS | TB 1705.3(10) 1705.3 | ACI 318:26.8 | | X | ALL CONNECTIONS VISUALLY INSPECTED, REFER TO ANCHOR AND WELDING REQUIREMENTS |
| INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED | TB 1705.3(12) 1705.3 | ACI 318: 26.11.1.2(b) | | X | |
| REINFORCING STEEL MECHANICAL SPLICES AND ANCHORS | | ICC EVALUATION REPORTS | | X | VISUALLY INSPECT FOR CORRECT ASSEMBLY AND LOCATION |

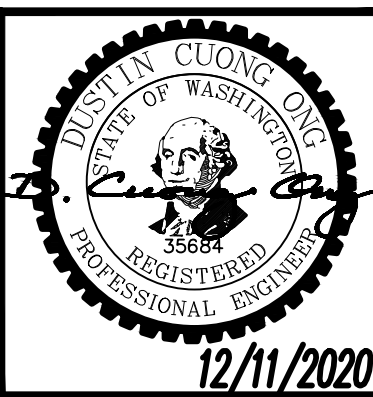
| REQUIRED SPECIAL INSPECTIONS AND TESTS OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS | | | | | |
|--|--------------------|----------------------------|--------------------|----------|---------|
| SYSTEM OR MATERIAL | IBC CODE REFERENCE | CODE OR STANDARD REFERENCE | FREQUENCY (NOTE 6) | | REMARKS |
| | | | CONTINUOUS | PERIODIC | |
| | | | SOILS | | |
| INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT. | TB 1705.8 | PROJECT REQUIREMENTS | X | | |
| VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES. | | | X | | |
| FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.3. | | | | | |



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ISSUED FOR BID

DESIGNED BY:
P. BARUWAL
DRAWN BY:
H. ONG
CHECKED BY:
M. HELMINGER
APPROVED BY:
D.C. ONG



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LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-SWN002
CONTRACT No.:
RTA/AE 0072-19

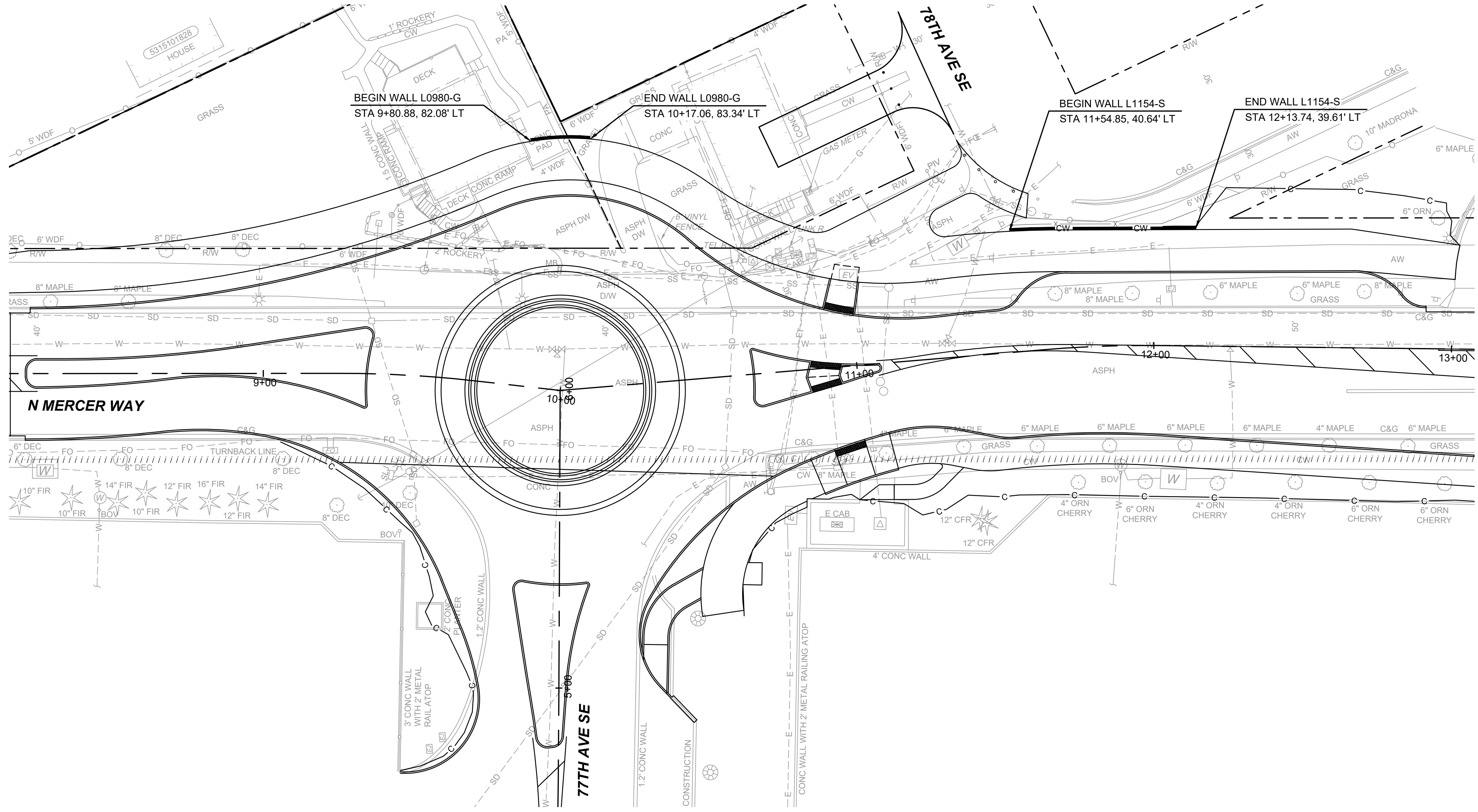
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

STRUCTURES - SITE WALLS
SPECIAL INSPECTION AND TESTING

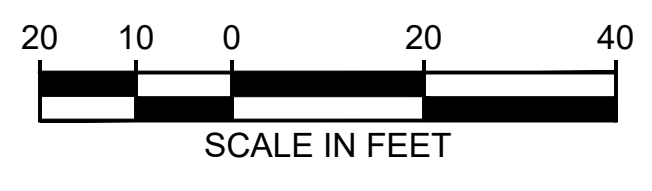
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E07-SWN002

LOCATION ID:
E07

SHEET No.: 75 OF 104 REV: 0

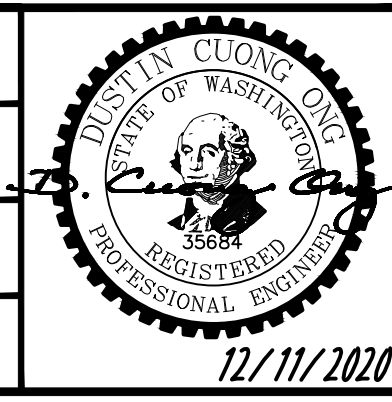


PLAN
SCALE: 1"= 20'



ISSUED FOR BID

DESIGNED BY:
P. BARUWAL
DRAWN BY:
H. ONG
CHECKED BY:
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SUBMITTED BY:
A.WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU



DATE:
12/11/2020

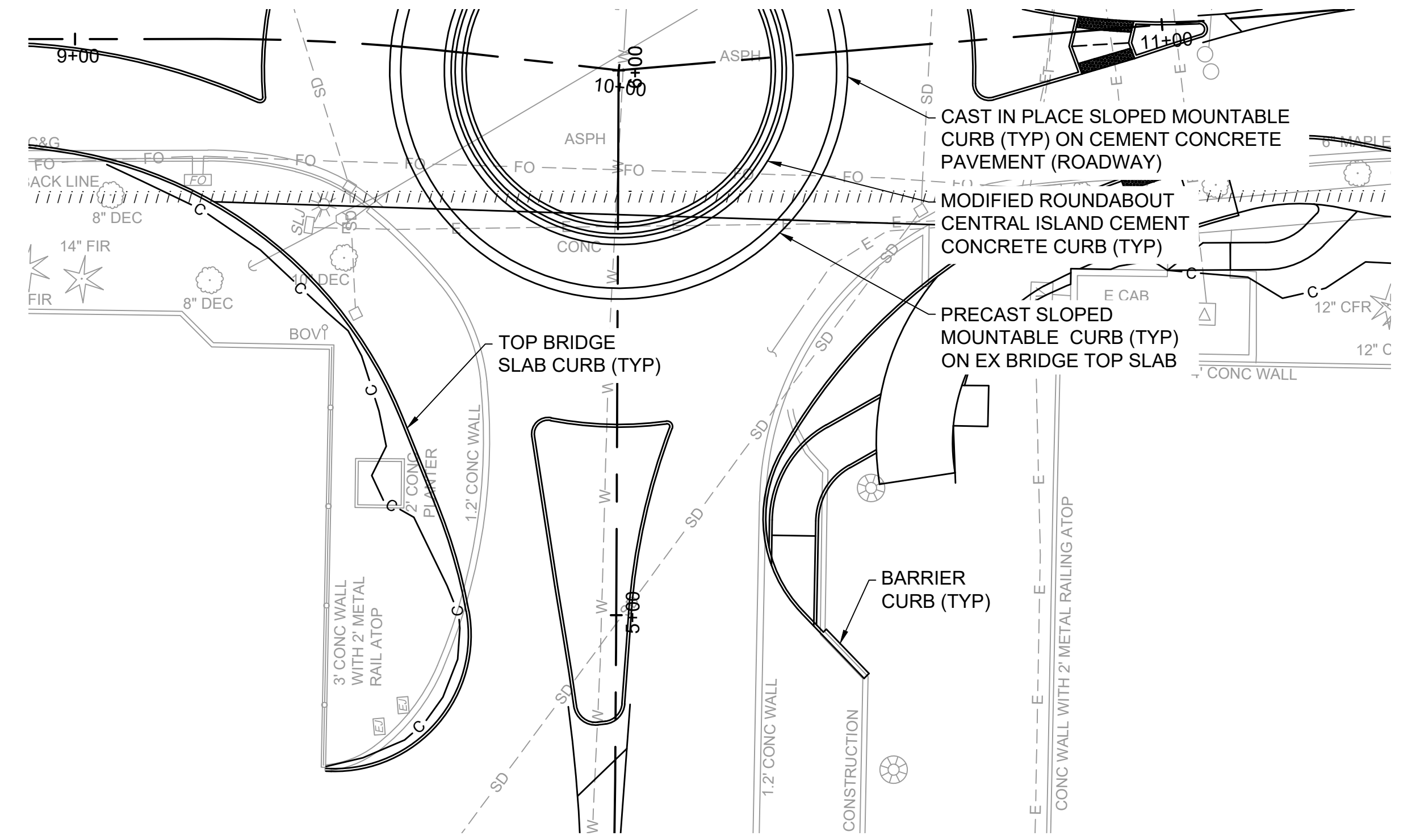
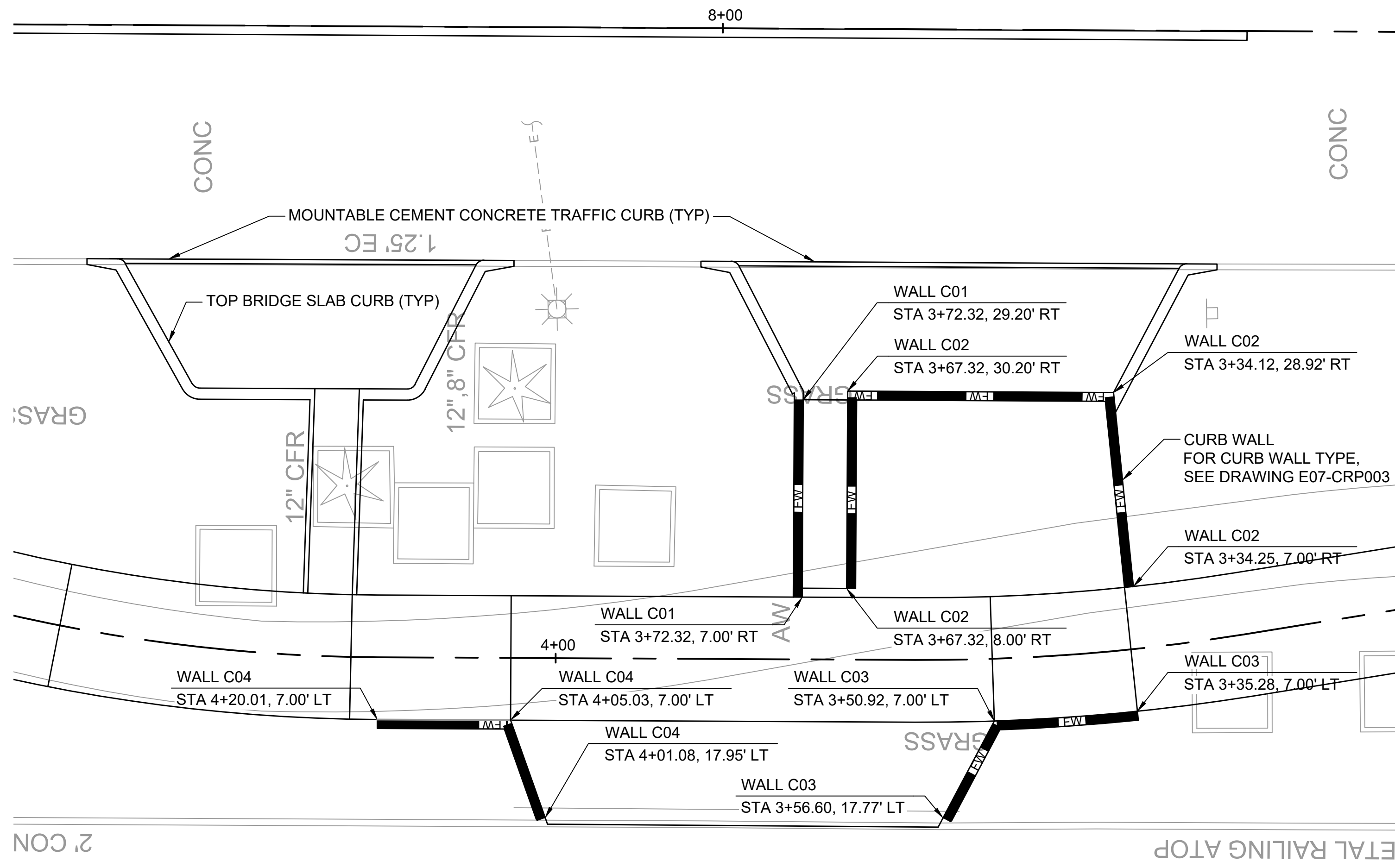
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CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

STRUCTURES - SITE WALLS
GRAVITY WALL AND SOLDIER PILE WALL PLAN

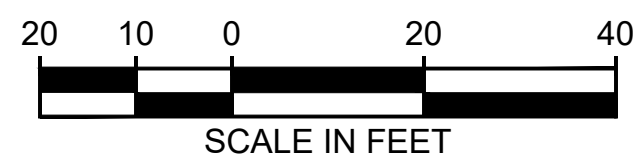
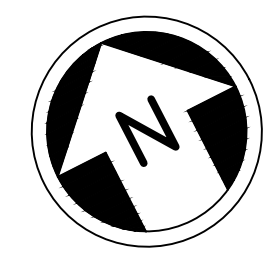
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80TH AVE PLAN
SCALE: 1"=20'

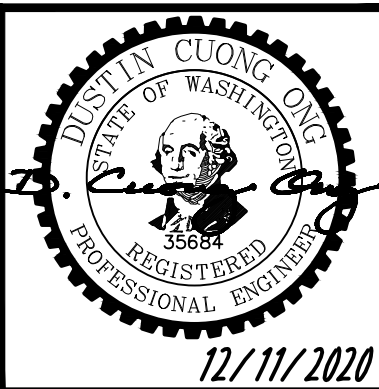
77TH AVE PLAN
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ISSUED FOR BID

DESIGNED BY:
P. BARUWAL
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H. ONG
CHECKED BY:
M. HELMINGER
APPROVED BY:
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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU



DATE:
12/11/2020

SCALE:
1"=20'
FILENAME:
E135-E07-SWP002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

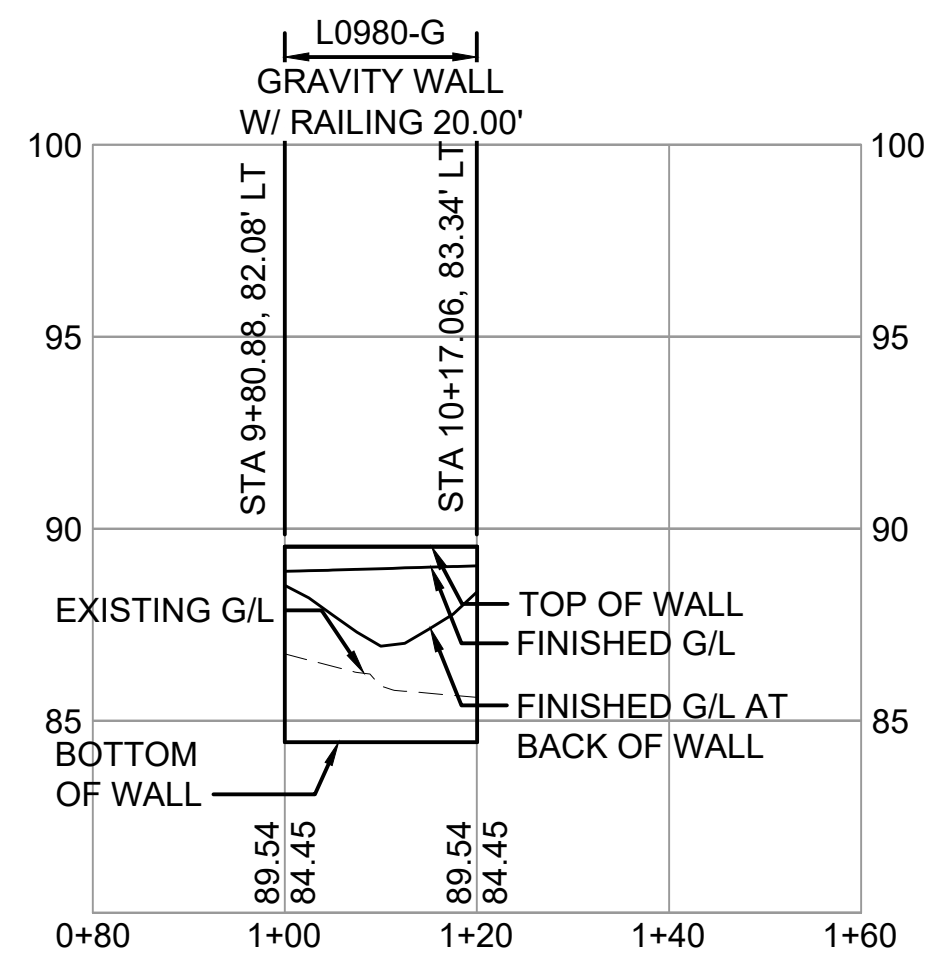
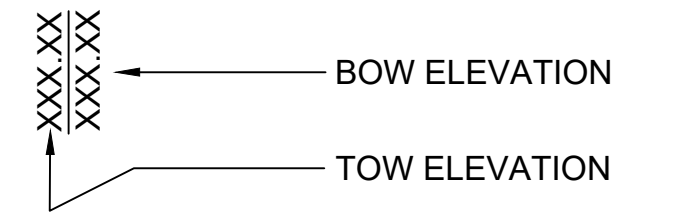
STRUCTURES - SITE WALLS
CURBS AND CURB WALL PLAN

DRAWING No.:
E07-SWP002
LOCATION ID:
E07
SHEET No.:
77 OF 104
REV:
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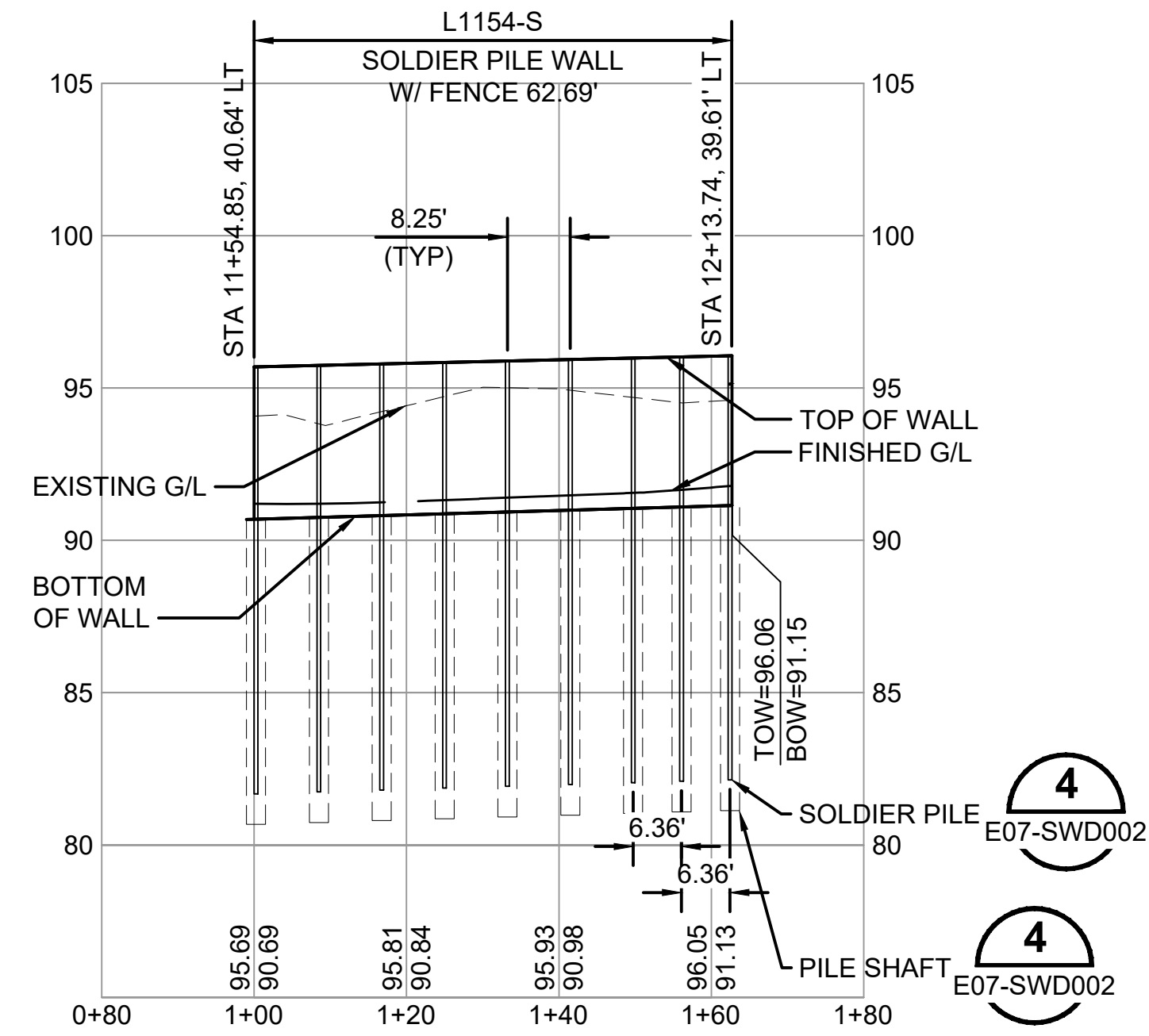
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GENERAL NOTES:

1. WHILE REFERRING TO PROFILE VIEWS, 20' STATIONING ELEVATIONS SHOULD BE USED FOR ALL ELEVATIONS AND ANY INTERMITTENT LINE CHANGES CAN BE IGNORED UNLESS NOTED OTHERWISE.



**WALL L0980-G
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ, 1"=5' VERT



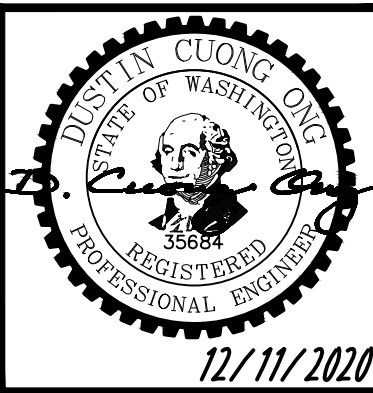
**WALL L1154-S
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ, 1"=5' VERT

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ISSUED FOR BID

DESIGNED BY:
P. BARUWAL
DRAWN BY:
H. ONG
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M. HELMINGER
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DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
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Phone: 425.519.6500

SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020

LINE IS 1" AT FULL SCALE



SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWV001
CONTRACT No.:
RTA/AE 0072-19

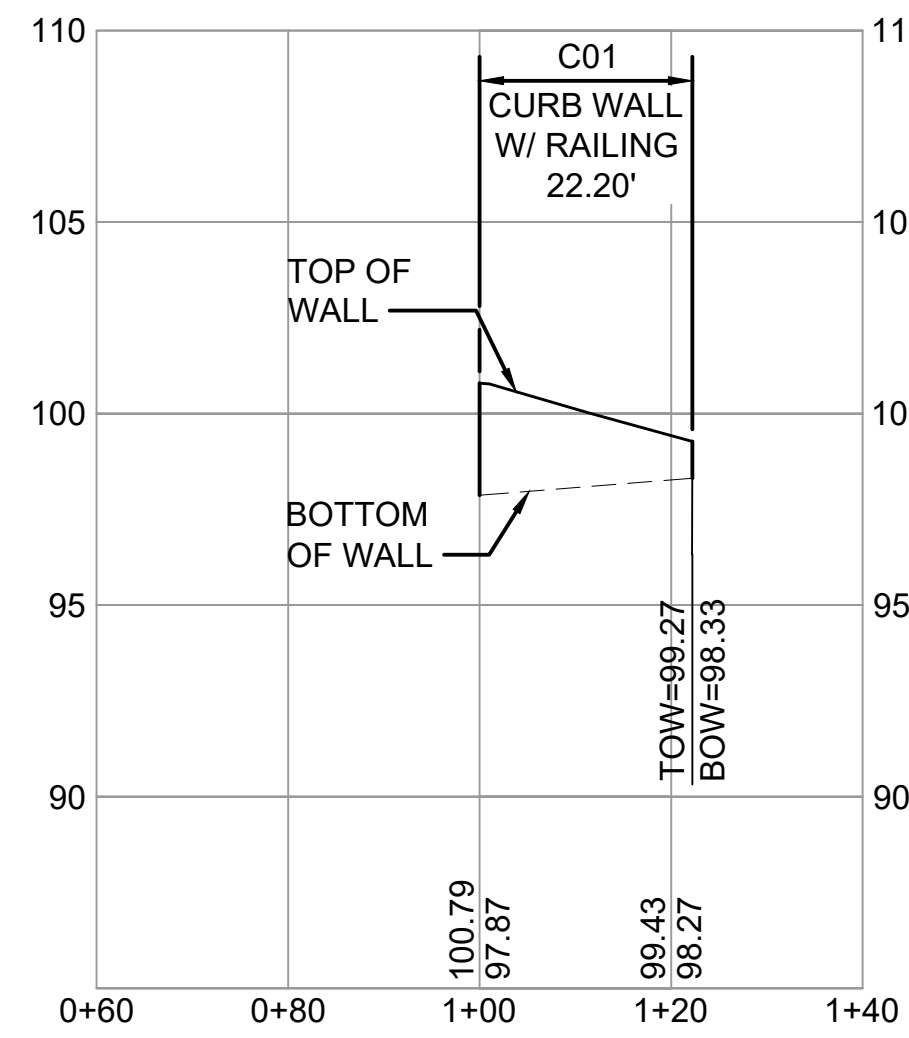
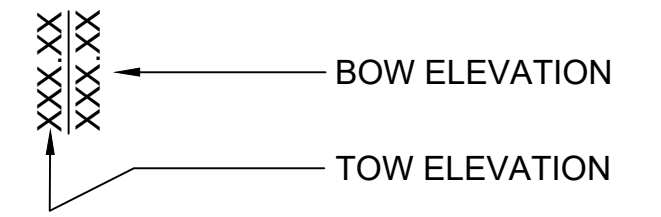
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

STRUCTURES - SITE WALLS
GRAVITY BLOCK AND SOLDIER PILE WALL PROFILES

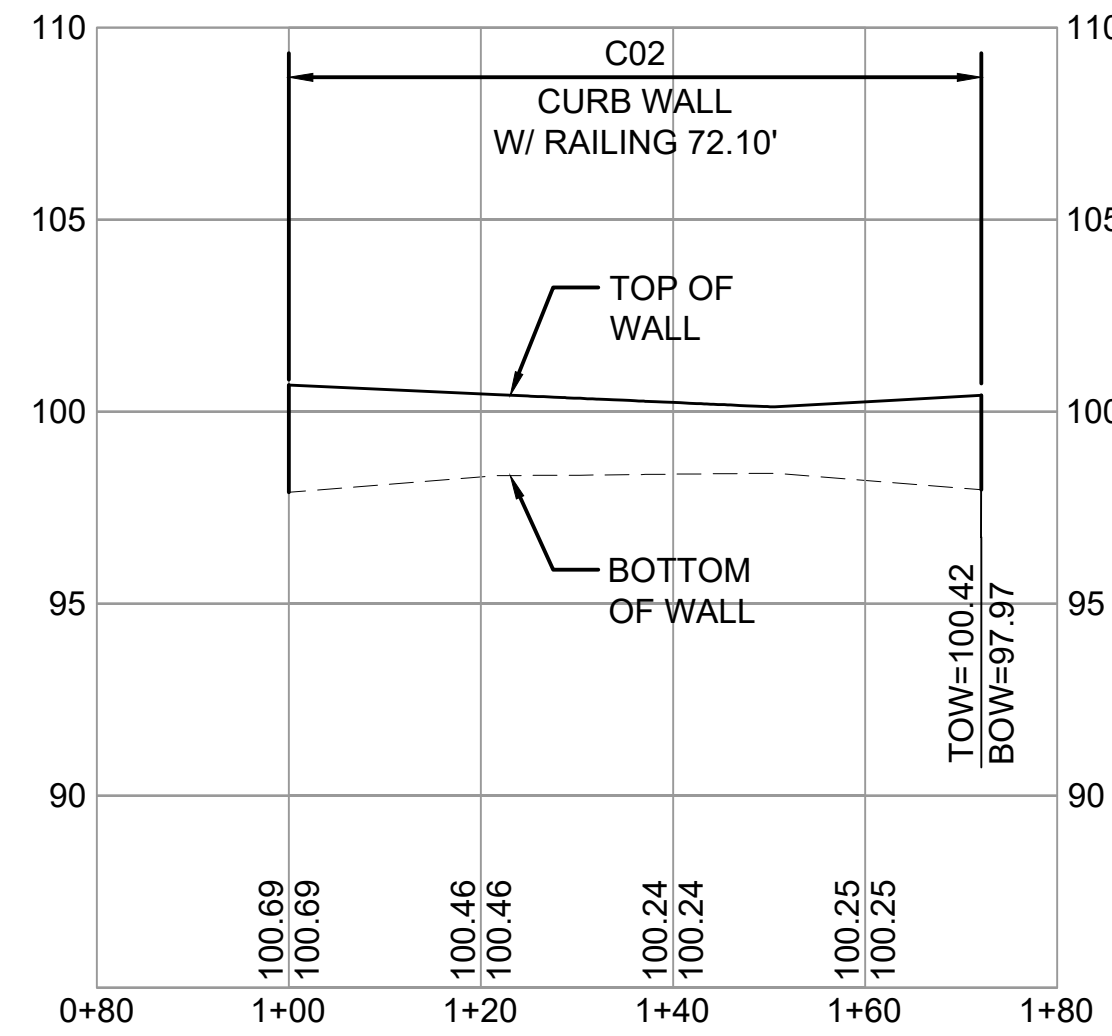
DRAWING No.:
E07-SWV001
LOCATION ID:
E07
SHEET No.:
78 OF 104
REV:
0

GENERAL NOTES:

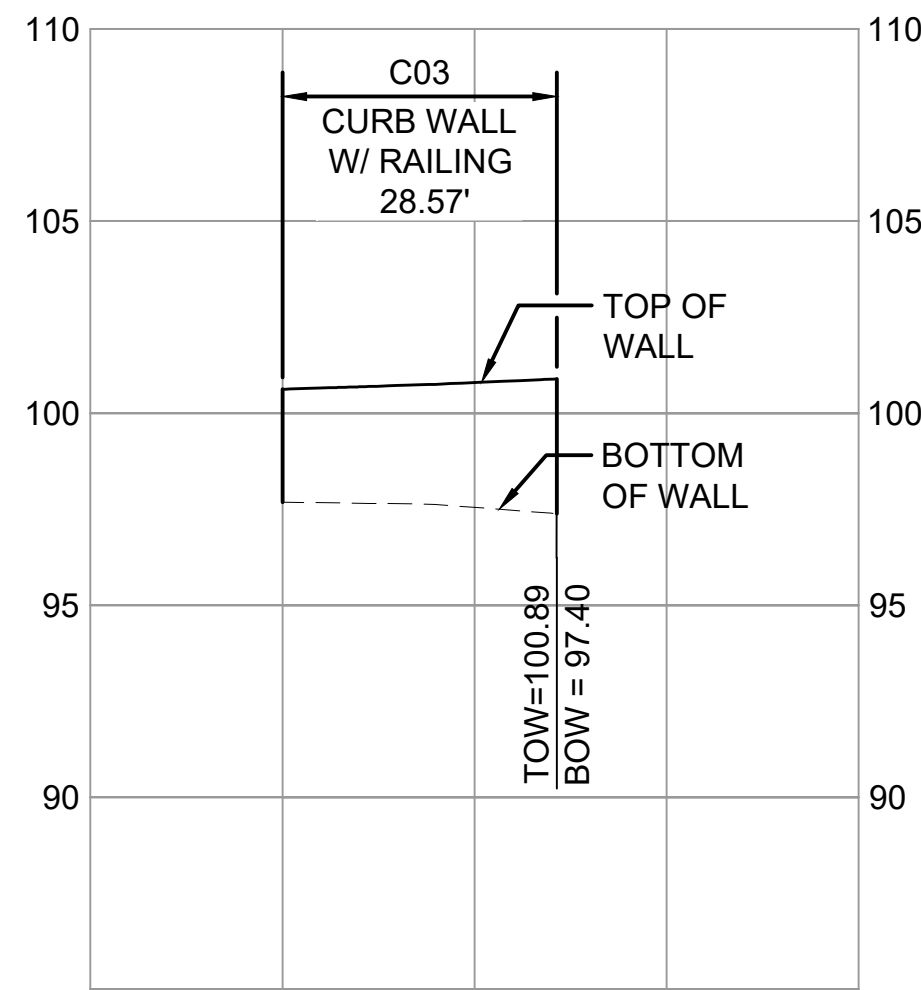
1. WHILE REFERRING TO PROFILE VIEWS, 20' STATIONING ELEVATIONS SHOULD BE USED FOR ALL ELEVATIONS AND ANY INTERMITTENT LINE CHANGES CAN BE IGNORED UNLESS NOTED OTHERWISE.



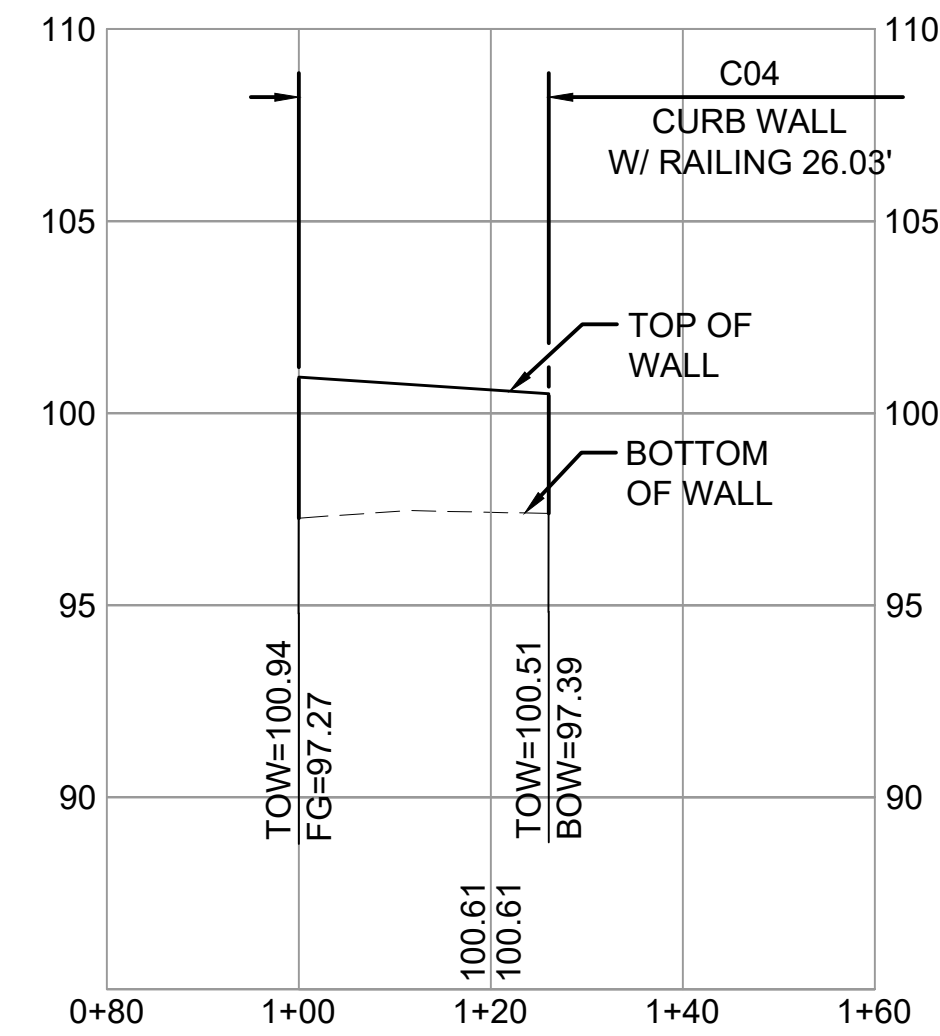
**WALL C01
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ. 1"=5' VERT



**WALL C02
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ. 1"=5' VERT



**WALL C03
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ. 1"=5' VERT

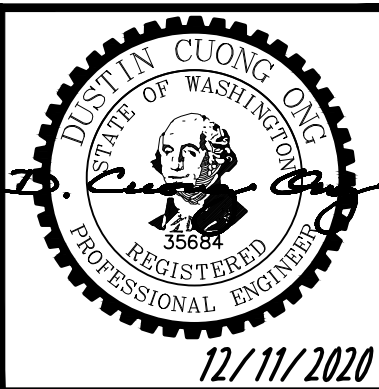


**WALL C04
DEVELOPED PROFILE**
SCALE: 1"=20' HORIZ. 1"=5' VERT

12/10/20 11:05 PM | HUE ONG
P:\STRUCTURAL\2020\20001 - MERCER ISLAND TRANSIT IC (DEA)\6.0 CADD\DRAWING\135-E07-SWV002.DWG

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LINE IS 1" AT
FULL SCALE



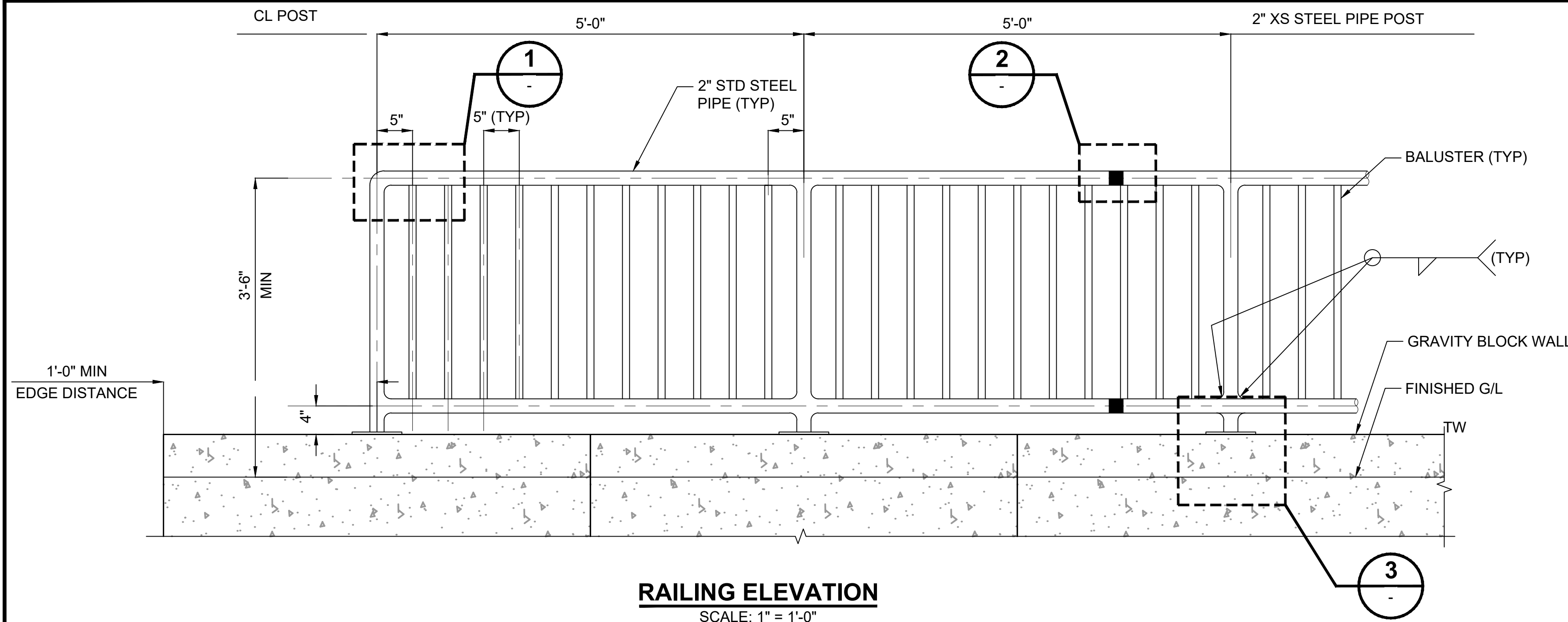
SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWV002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

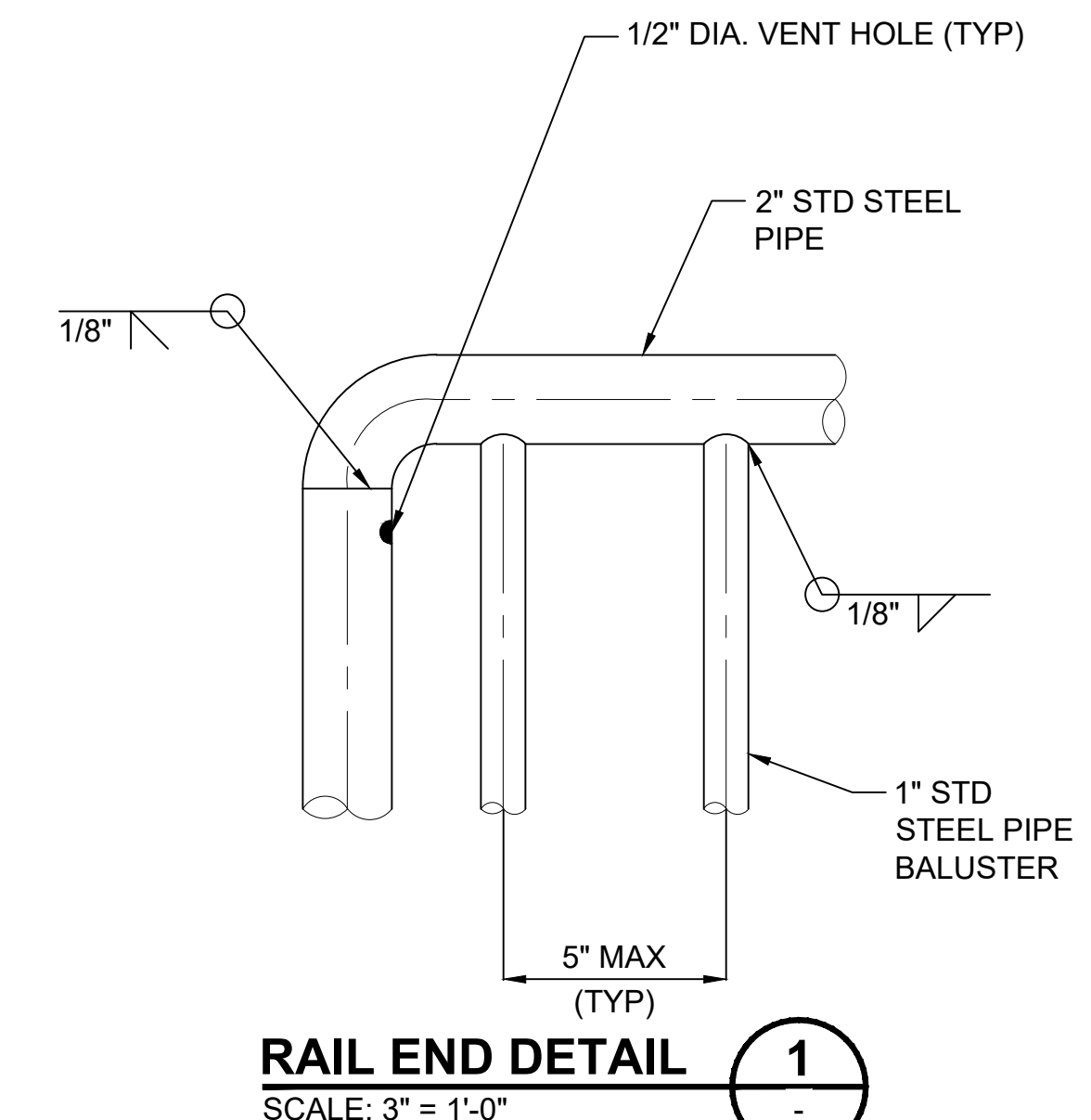
STRUCTURES - SITE WALLS
CURB WALL PROFILES



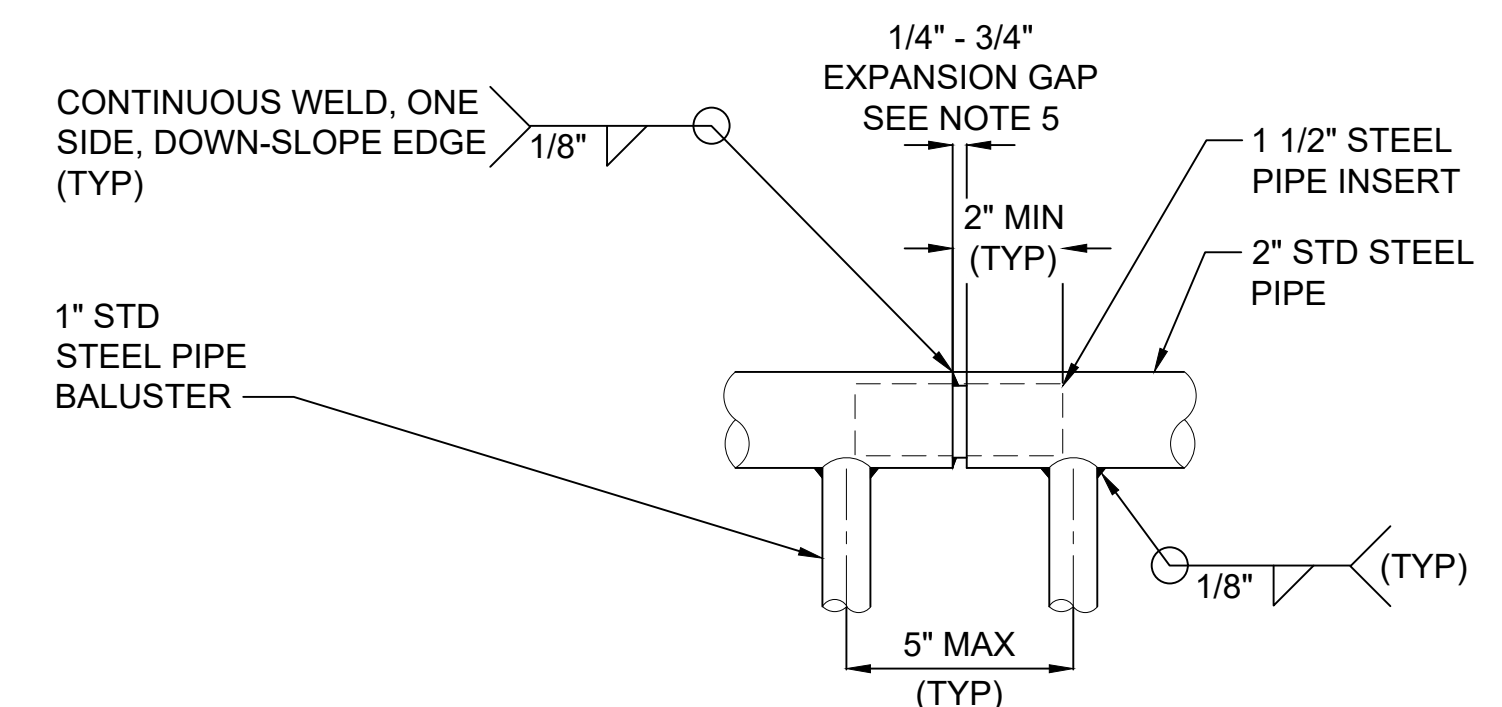
DRAWING No.:
E07-SWV002
LOCATION ID:
E07
SHEET No.: 79 OF 104
REV: 0



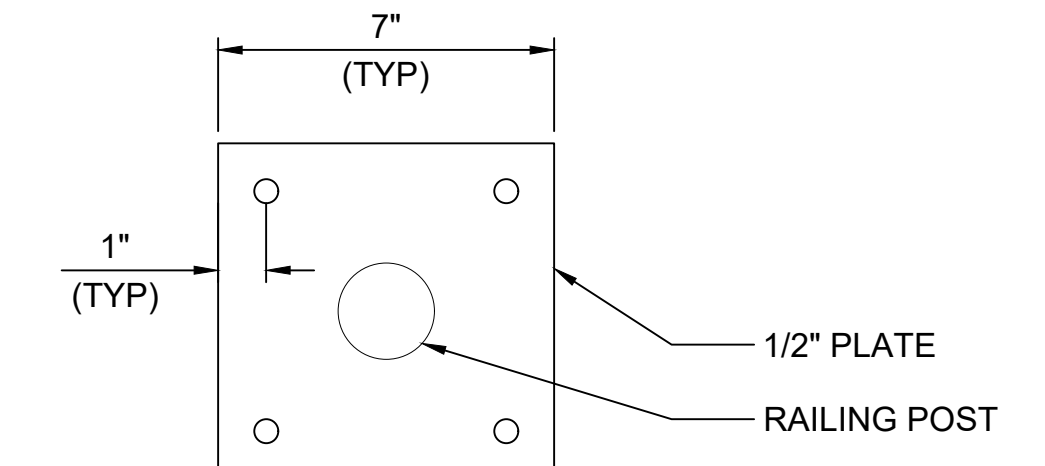
RAILING ELEVATION
SCALE: 1" = 1'-0"



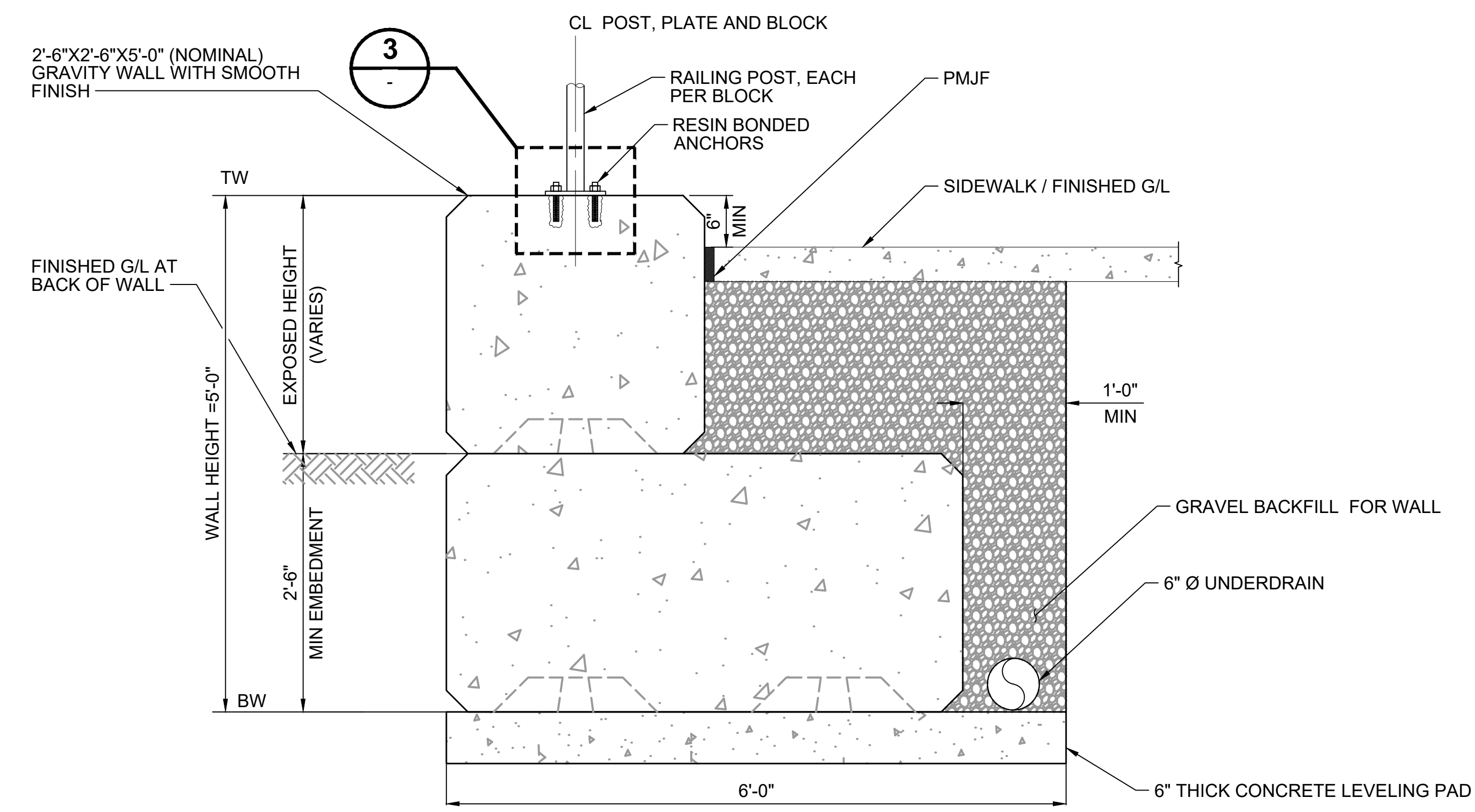
RAIL END DETAIL 1
SCALE: 3" = 1'-0"



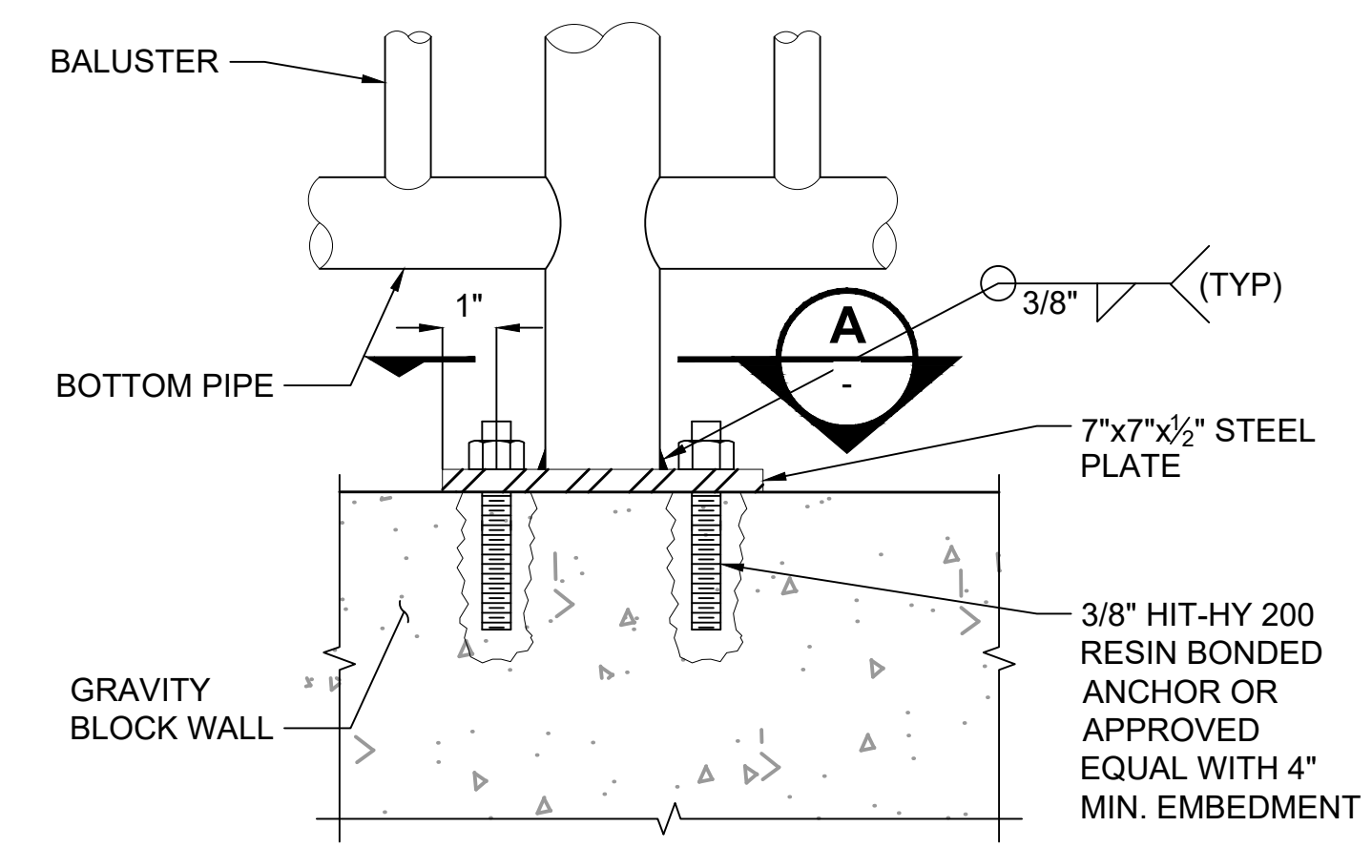
SLIP JOINT DETAIL 2
SCALE: 3" = 1'-0"



SECTION A
SCALE: 3" = 1'-0"



GRAVITY WALL W/ RAILING SECTION
SCALE: 1" = 1'-0"



CONNECTION DETAIL 3
SCALE: 3" = 1'-0"

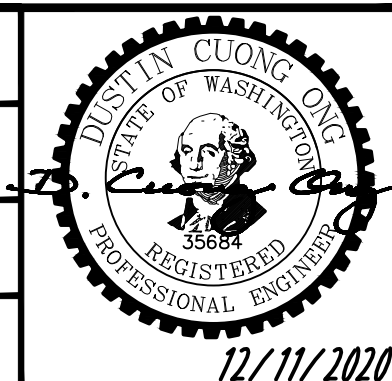
GENERAL NOTES:

1. RAILING SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. ALL POSTS AND BALUSTERS SHALL BE PLUMB AND RAILS PARALLEL TO GRADE.
3. PIPE MATERIAL SHALL CONFORM TO ASTM A53.
4. PIPE DIAMETERS SHOWN CORRESPOND TO PIPE "SHAPE" AS DEFINED IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.
5. PLACE EXPANSION GAP AT EVERY OTHER PANEL.

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P:\STRUCTURAL\2020\2001 - MERCER ISLAND TRANSIT IC (DEA)\6.0 CADD\DRAWING\135-E07-SWD001.DWG

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SCALE:
SCALE AS NOTED
FILENAME:
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CONTRACT No.:
RTA/AE 0072-19

DATE:
12/11/2020

DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

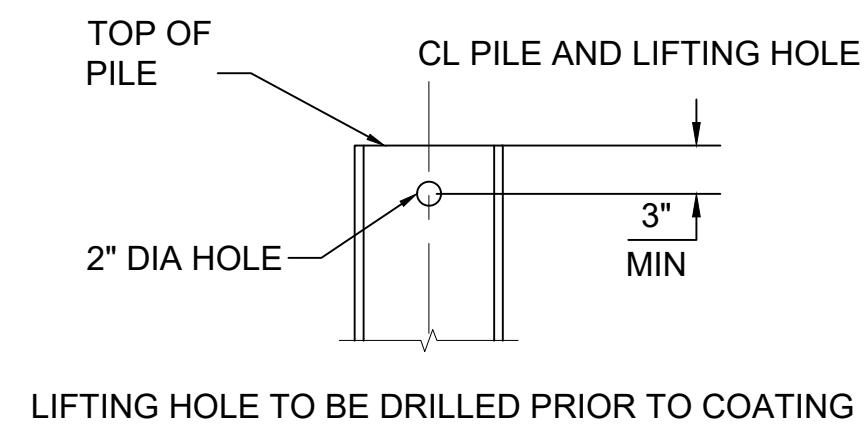
STRUCTURES - SITE WALLS
GRAVITY BLOCK WALL DETAILS

DRAWING No.:
E07-SWD001
LOCATION ID:
E07
SHEET No.:
80 OF 104
REV:
0

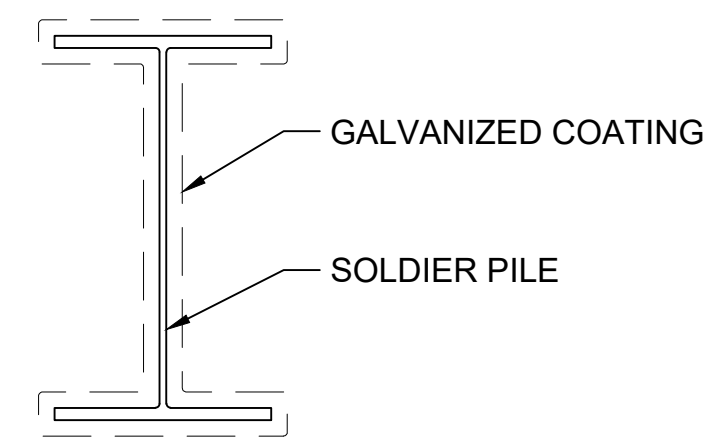


GENERAL NOTES:

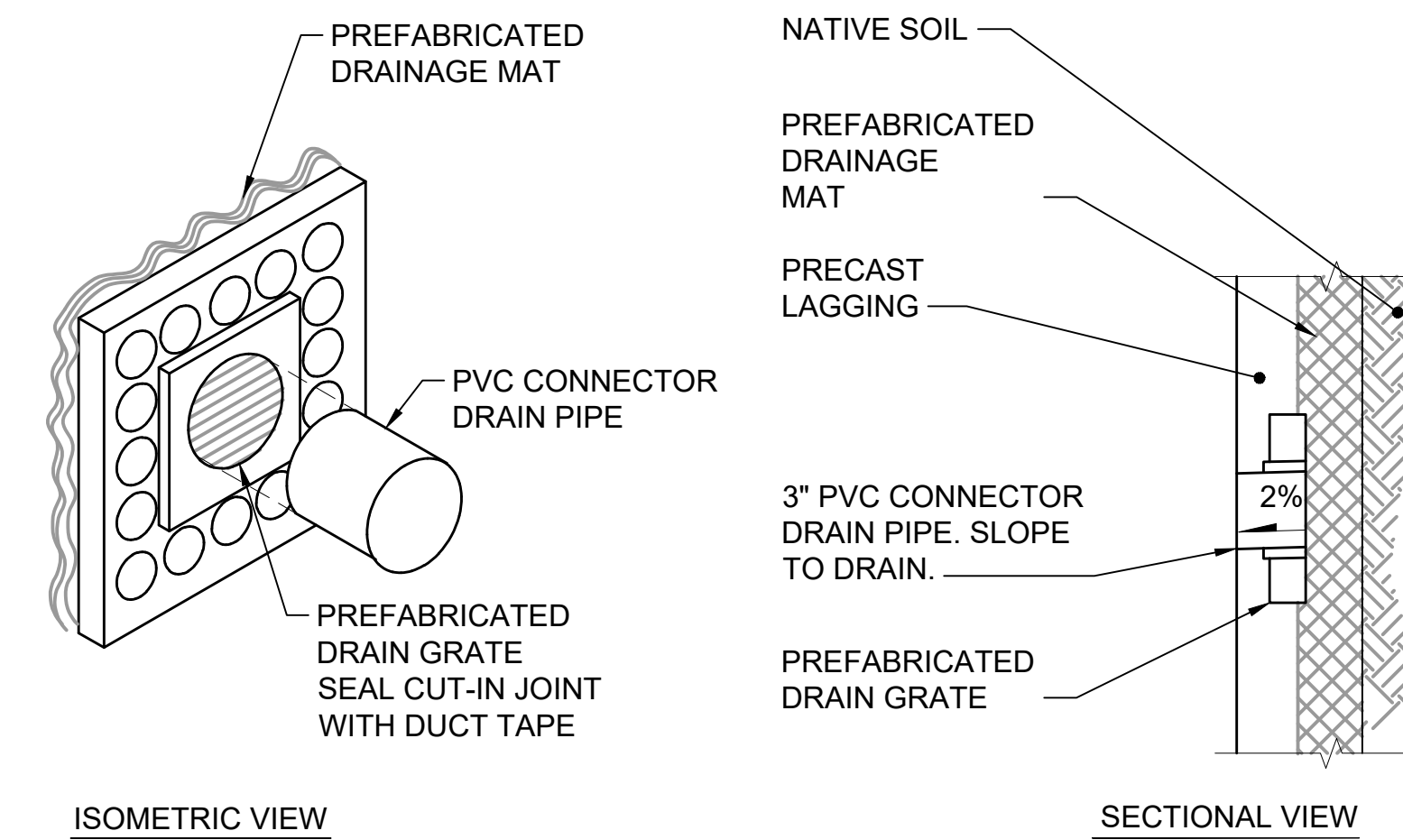
- EXCAVATION IN FRONT OF WALL SHALL NOT EXTEND BELOW BOTTOM OF LAGGING OR FASCIA.
- SHAFTS SHALL BE BACKFILLED WITH STRUCTURAL CONCRETE $f'_c = 4000$ PSI AS SHOWN.



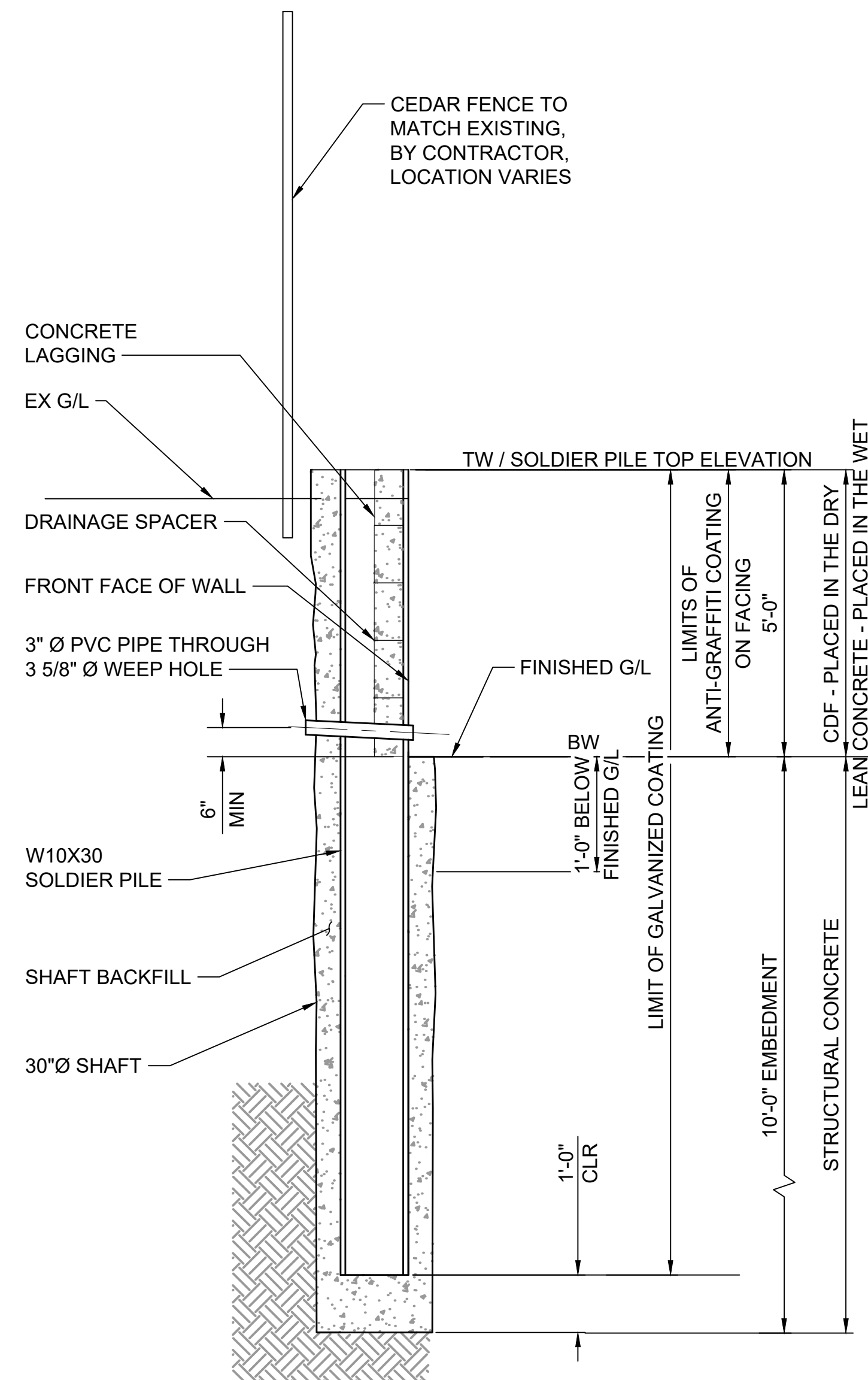
SOLDIER PILE LIFTING HOLE 1
NTS



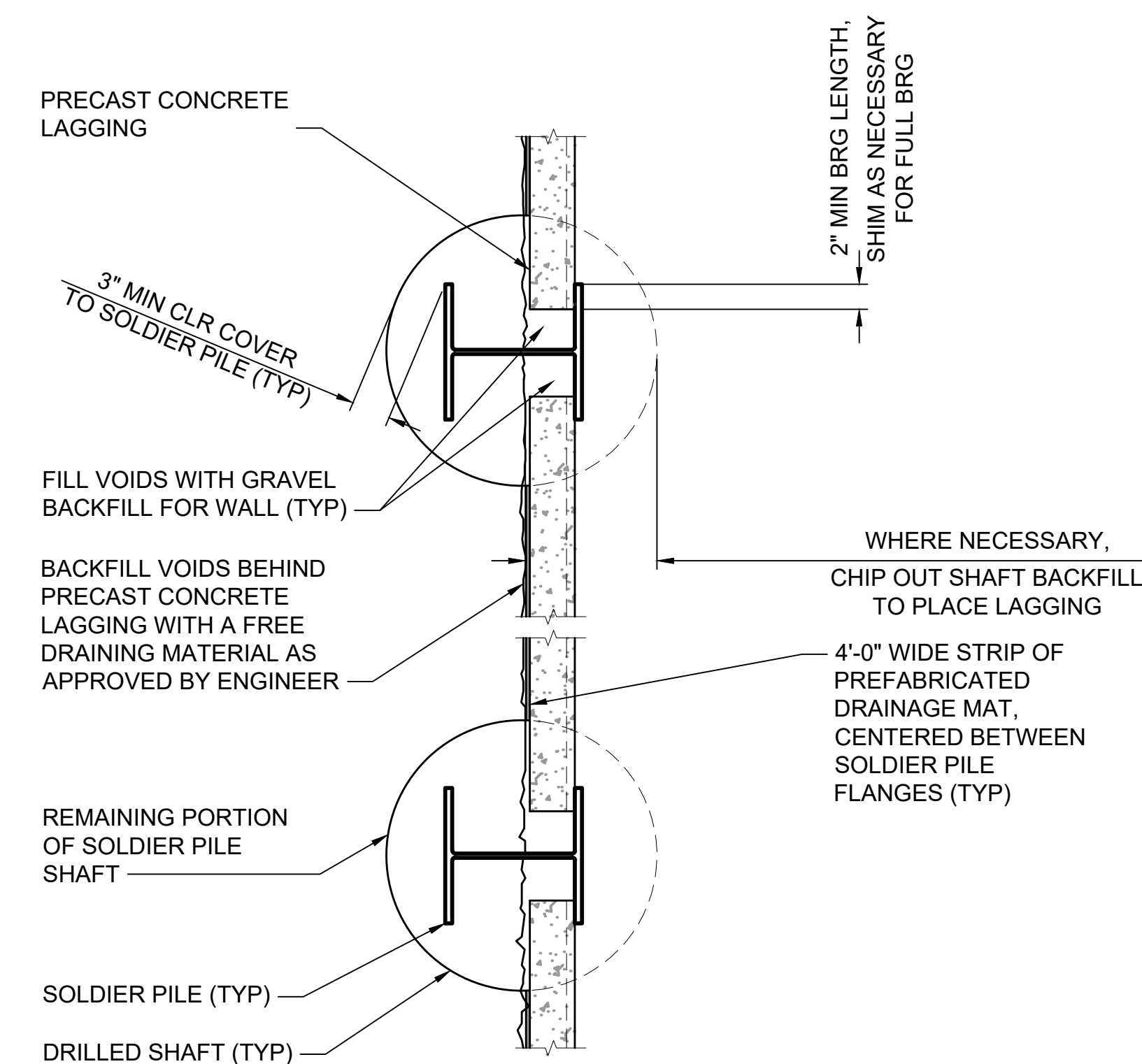
HORIZONTAL PILE COATING LIMITS 2
NTS



DRAIN DETAIL 3
SCALE: 3" = 1'-0"



SOLDIER PILE WALL 4
SCALE: 1" = 1'-0" E07-SWV001



PLAN - SOLDIER PILE WALL NTS

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P:\STRUCTURAL\2020\0001 - MERCER ISLAND TRANSIT IC (DEA)\6.0 CADD\DRAWING\135-E07-SWD002.DWG



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REVIEWED BY: M. LU
DATE: 12/11/2020



SCALE: SCALE AS NOTED
FILENAME: E135-E07-SWD002
CONTRACT No.: RT/AE 0072-19
DATE: 12/11/2020

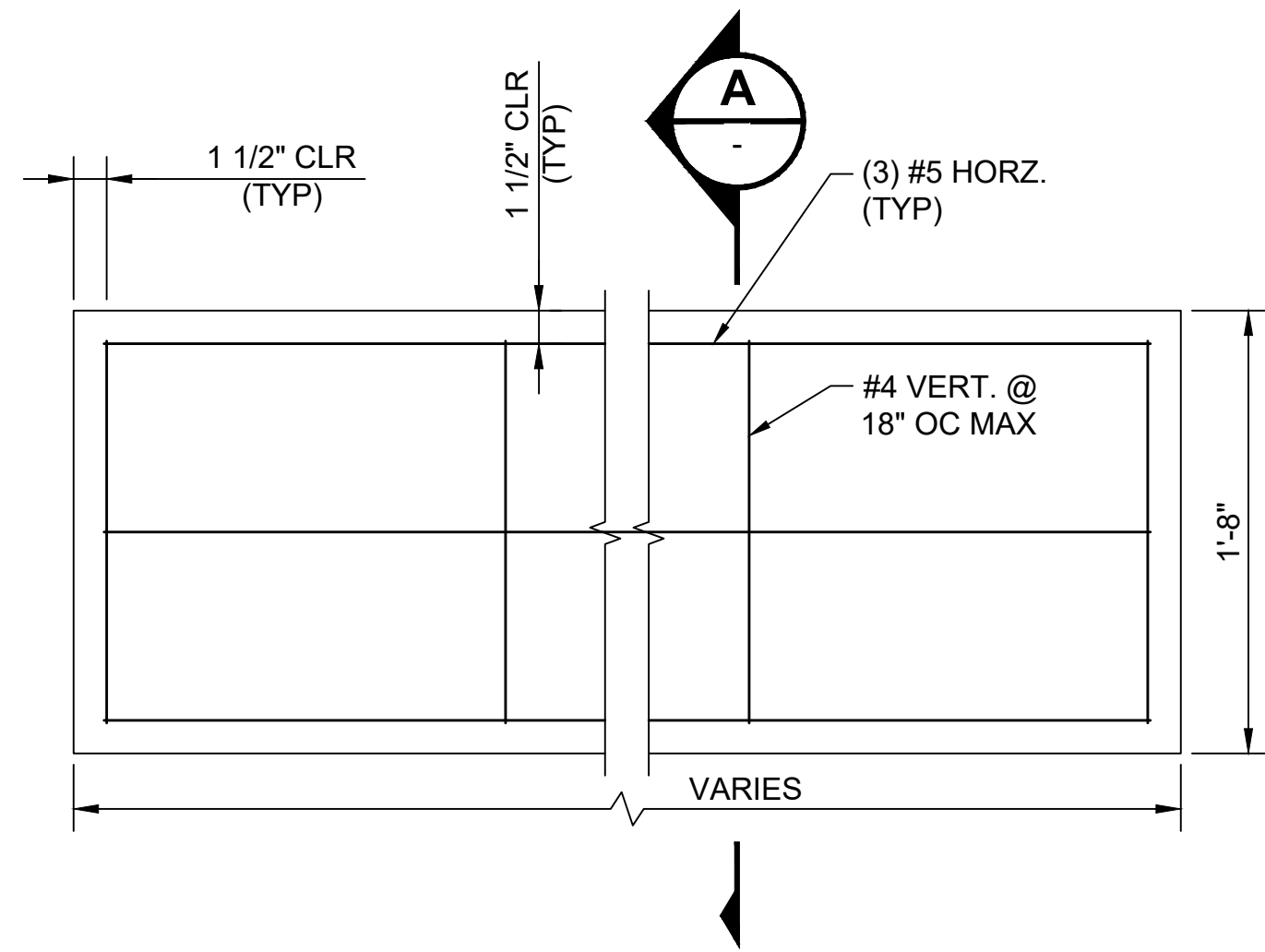
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

STRUCTURES - SITE WALLS
SOLDIER PILE WALL DETAILS

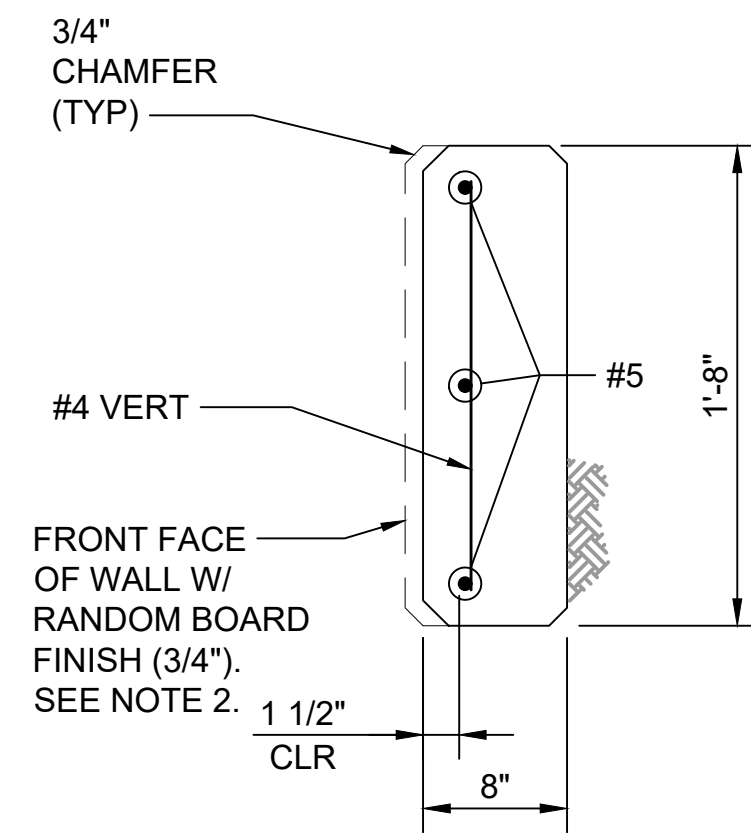
DRAWING No.: **E07-SWD002**
LOCATION ID: E07
SHEET No.: 81 OF 104
REV: 0

GENERAL NOTES:

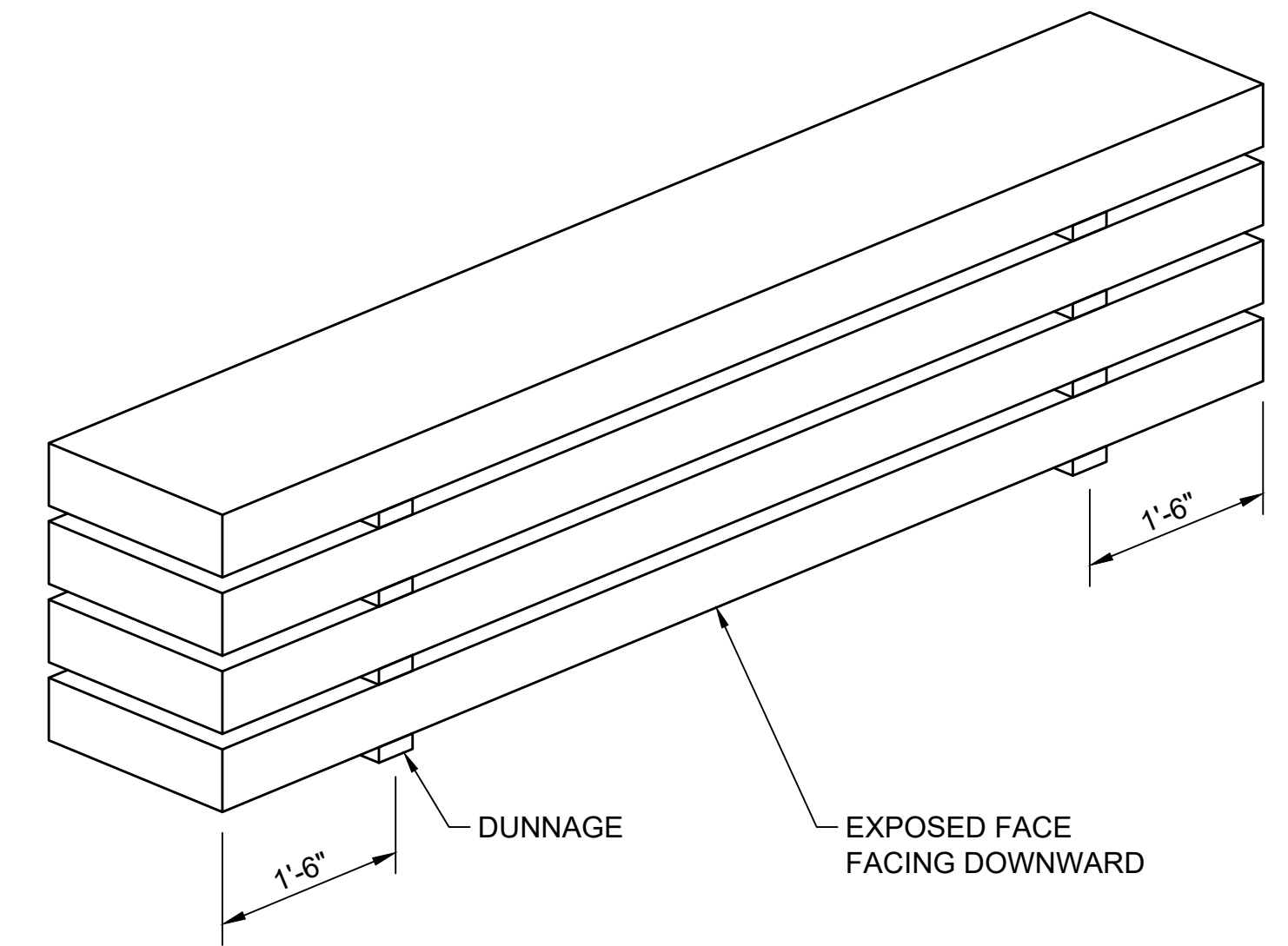
1. SEE SPECIFICATIONS 03 11 00 FOR CONCRETE FINISHING DETAILS.
2. PANEL FINISH SHALL BE ALIGNED VERTICALLY.



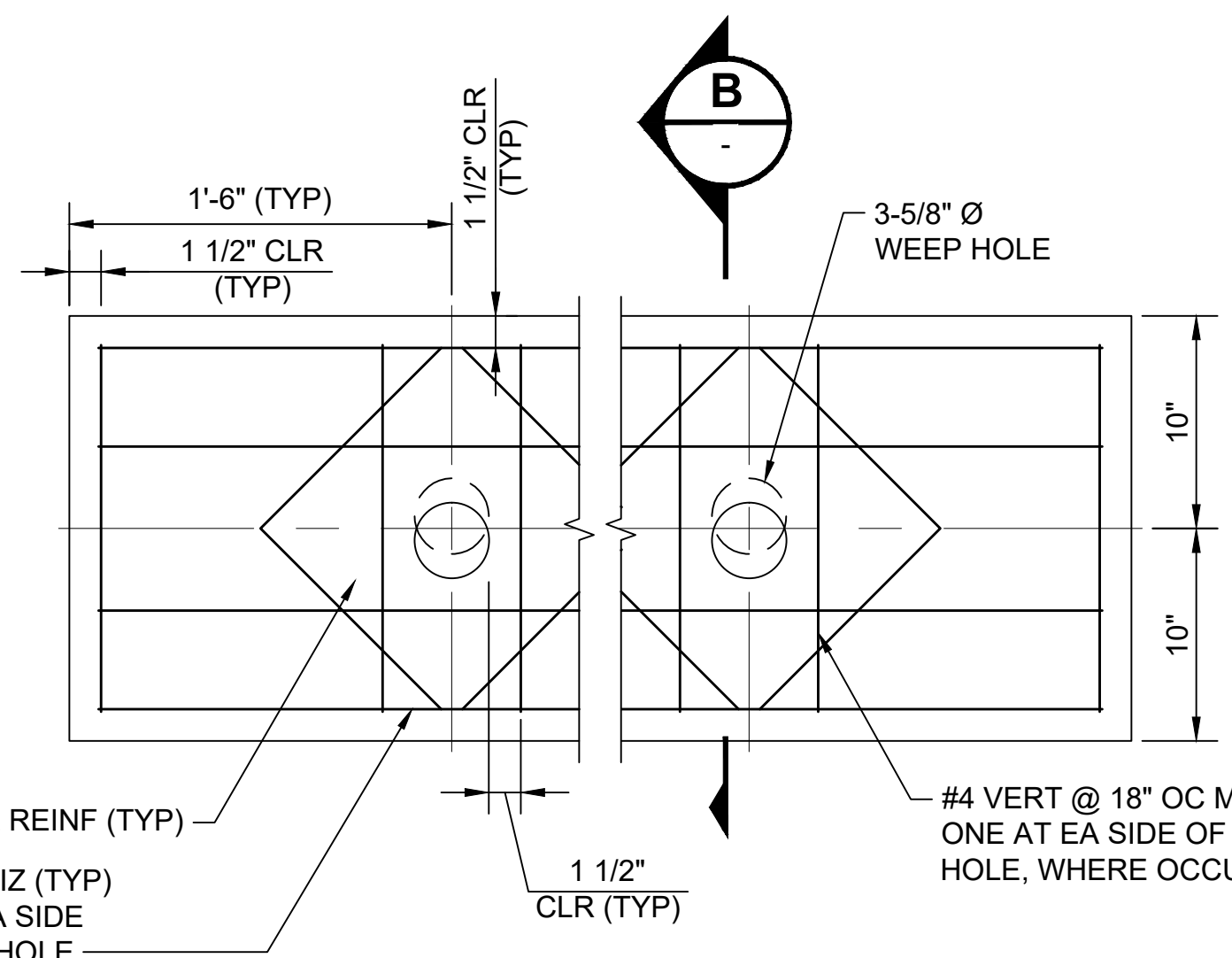
TYPICAL LAGGING
NTS



SECTION A
NTS

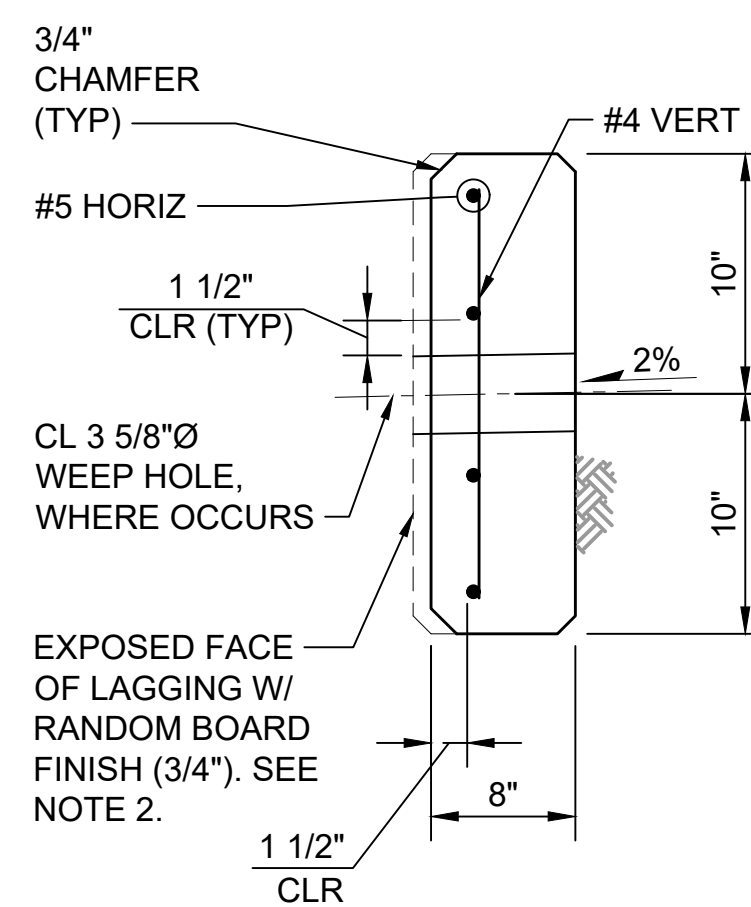


LAGGING STORAGE & HANDLING DETAIL
NTS

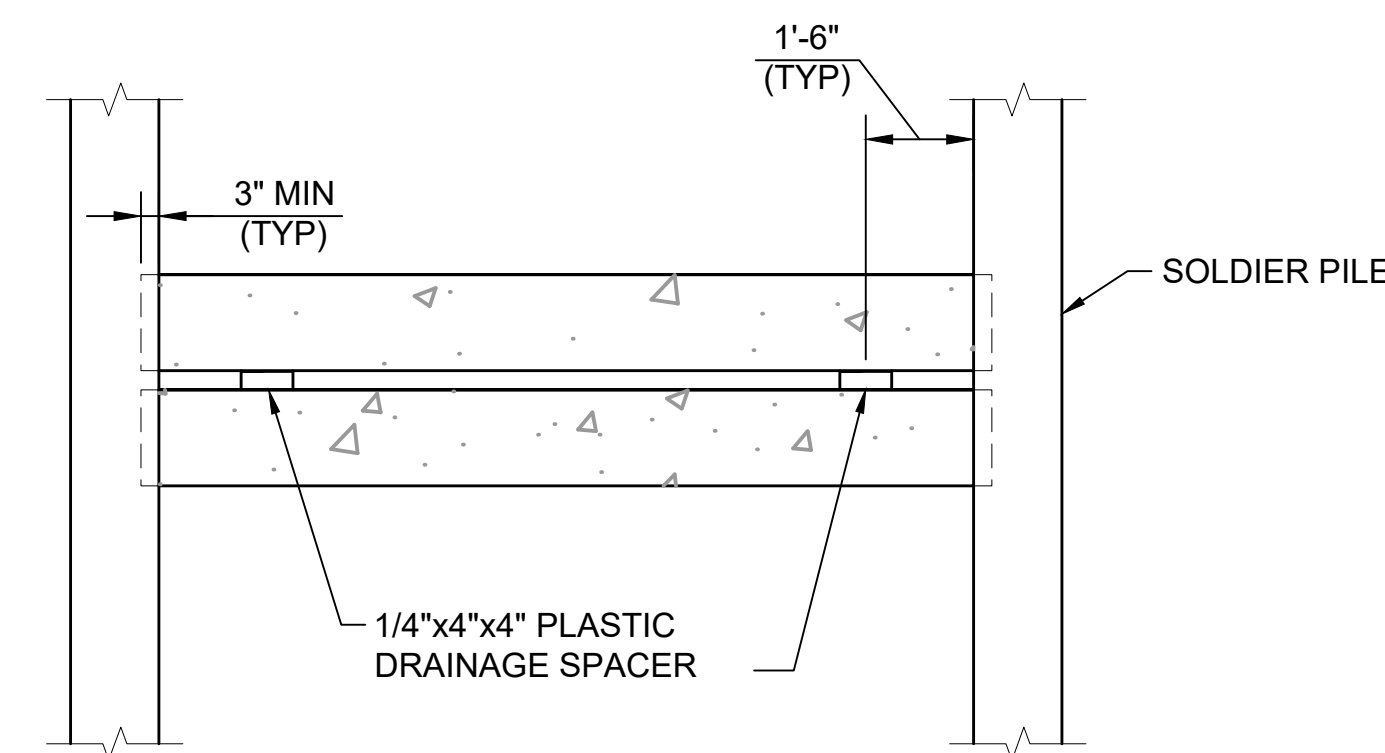


LAGGING WITH WEEPHOLE
NTS

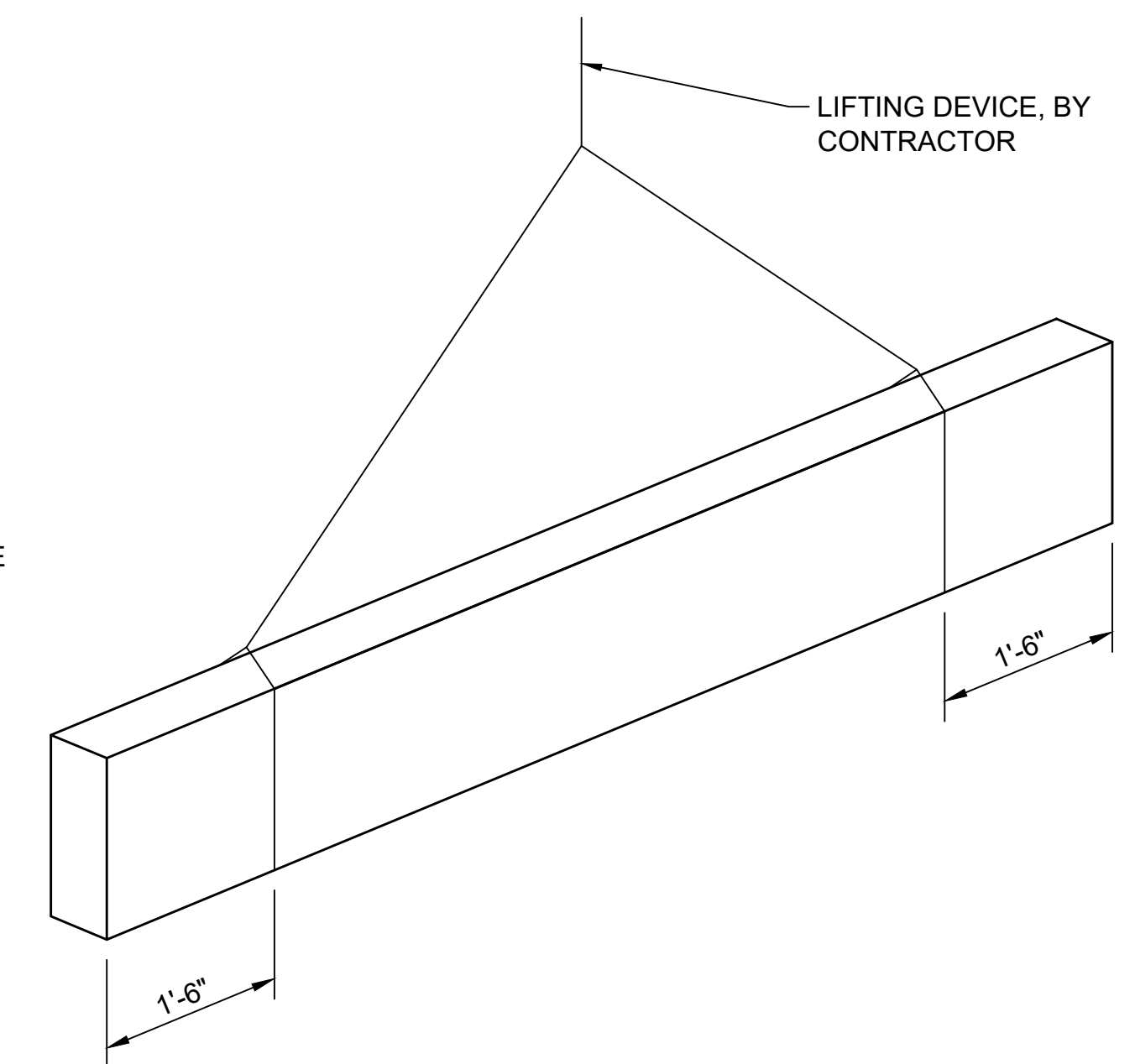
NOTE: WEEP HOLES SHALL BE FABRICATED AT SHOP. NO FIELD DRILLING ALLOWED.



SECTION B
NTS



LAGGING SPACER DETAIL
NTS

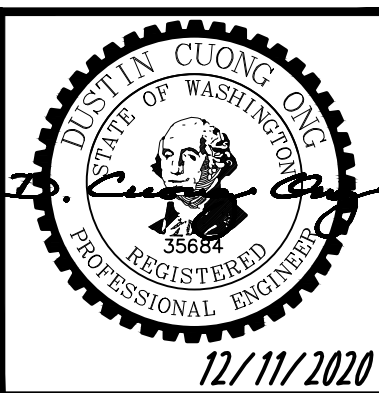


LAGGING STORAGE & HANDLING DETAIL
NTS



ISSUED FOR BID

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LINE IS 1" AT FULL SCALE



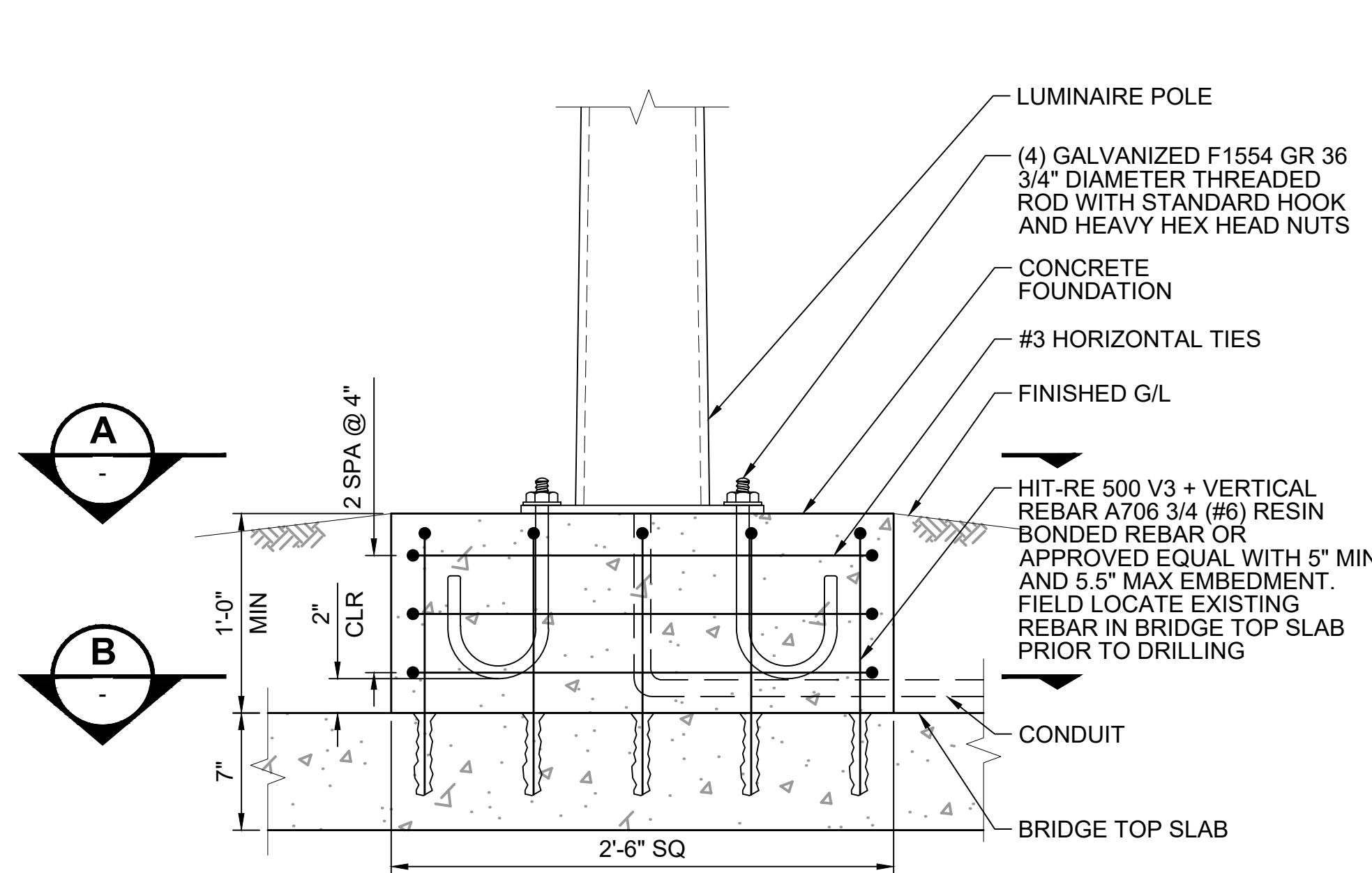
SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWD003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
**STRUCTURES - SITE WALLS
SOLDIER PILE WALL - LAGGING DETAILS**

DRAWING No.:
E07-SWD003
LOCATION ID:
E07
SHEET No.:
82 OF 104
REV:
0

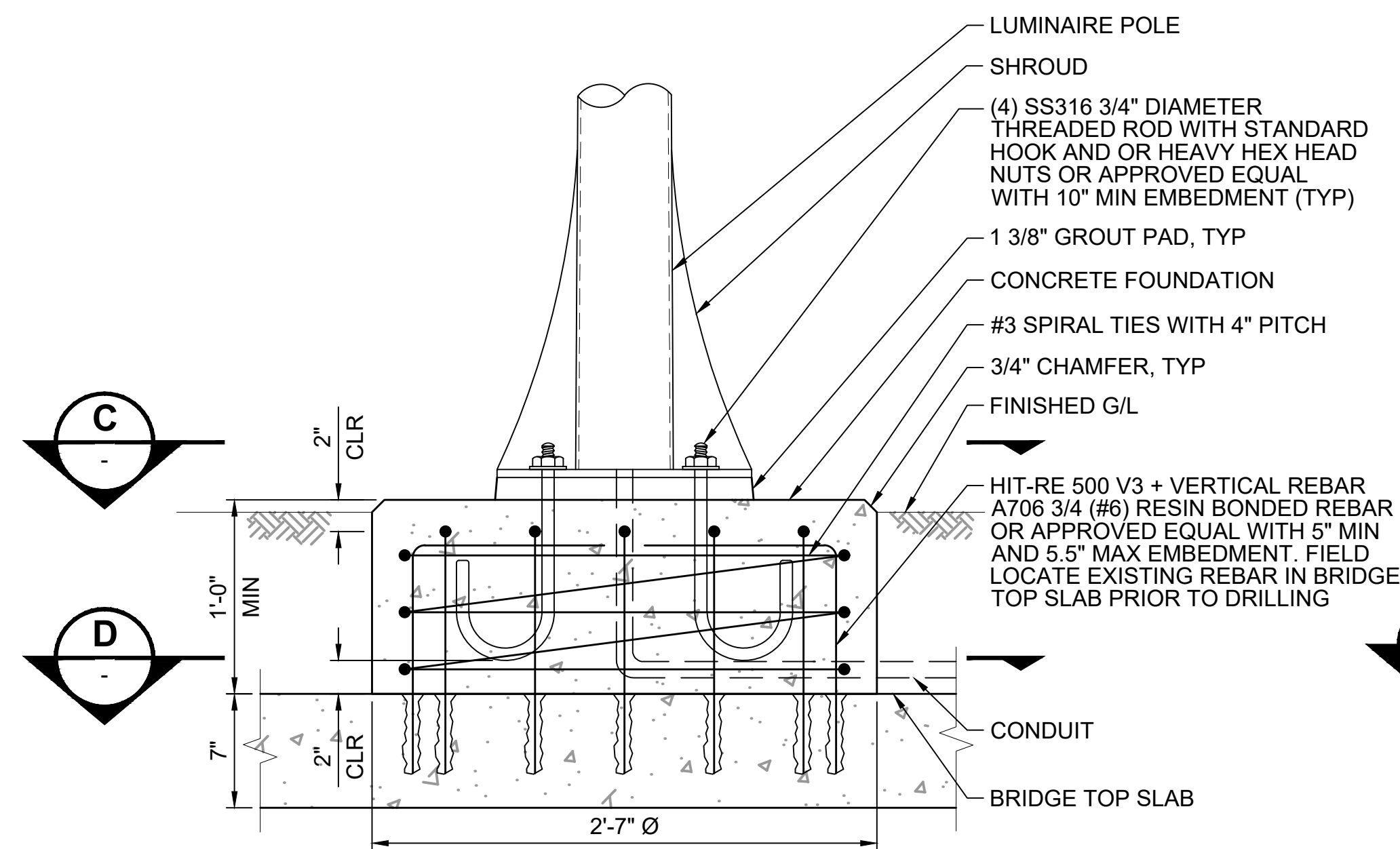
GENERAL NOTES:

1. FOR SIGN PLACEMENT, SEE DRAWINGS E07-CMP001 TO E07-CMP003.
2. FOR ILLUMINATION PLANS, SEE DRAWINGS E07-CLP001 TO E07-CLP003.



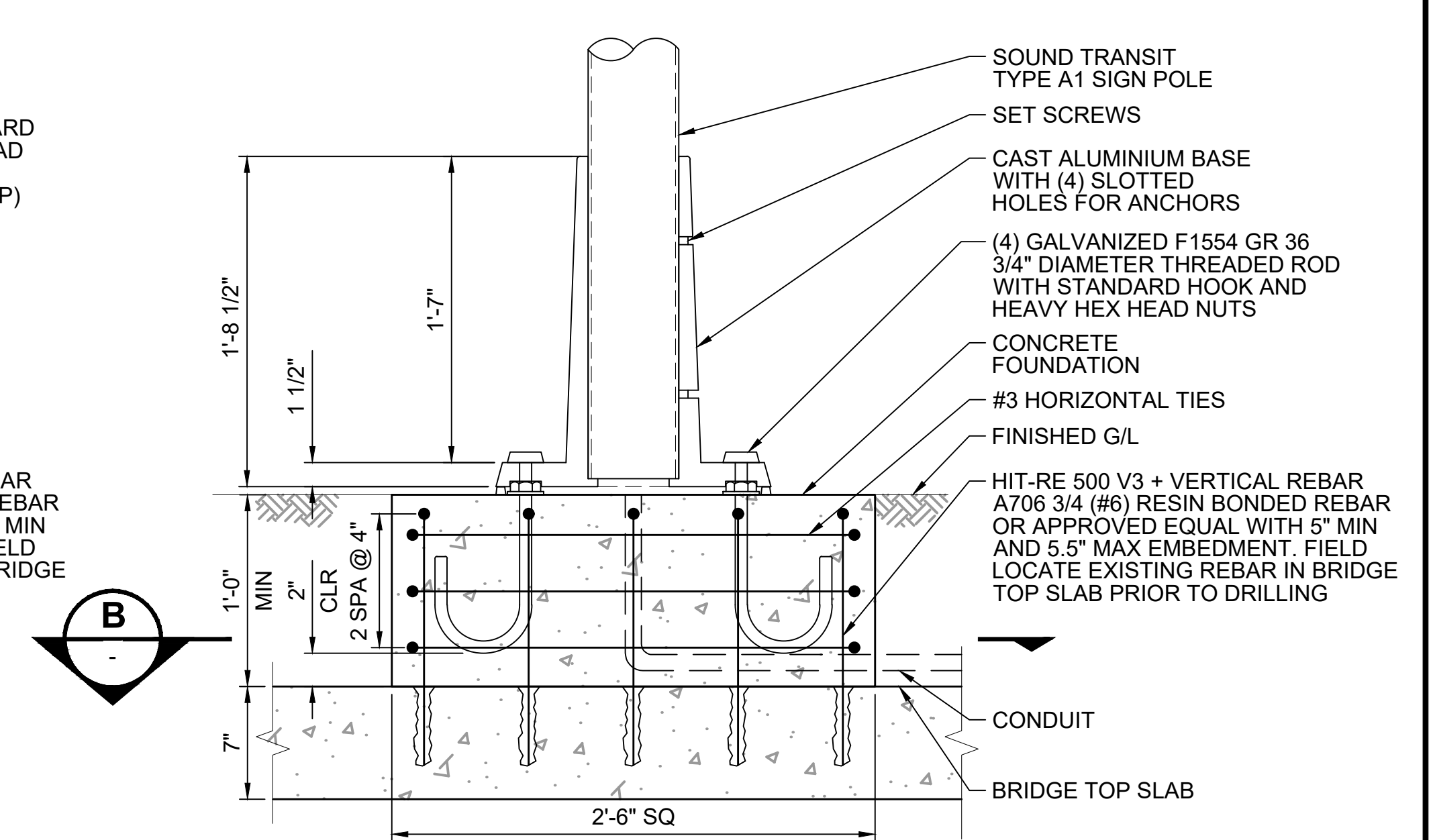
ROADWAY LUMINAIRE FOUNDATION DETAIL

SCALE: 1 1/2" = 1'-0"



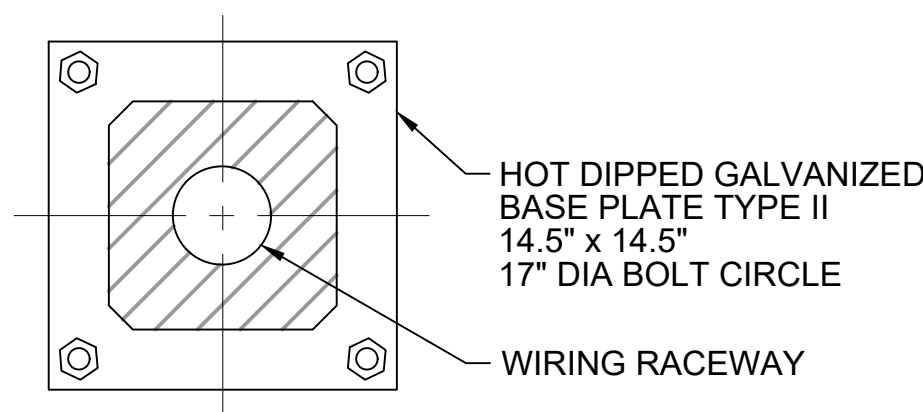
PEDESTRIAN LUMINAIRE FOUNDATION DETAIL

SCALE: 1 1/2" = 1'-0"



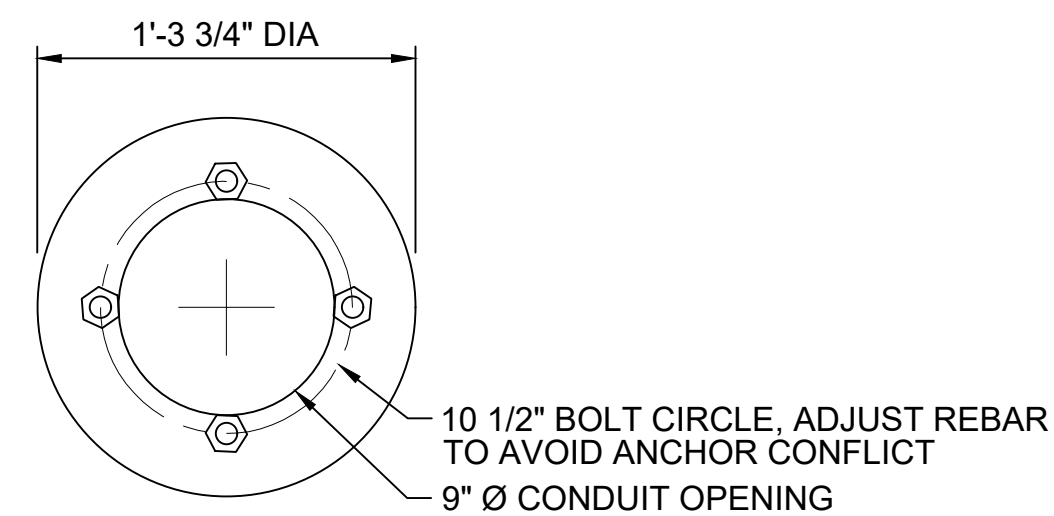
SOUND TRANSIT CUSTOM A1 SIGN FOUNDATION DETAIL

SCALE: 1 1/2" = 1'-0"



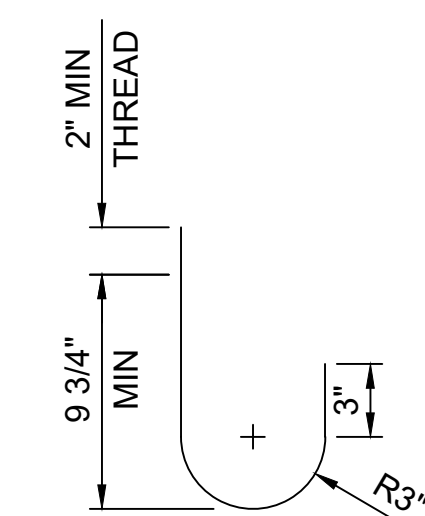
ROADWAY FOUNDATION BASE PLAN

NTS



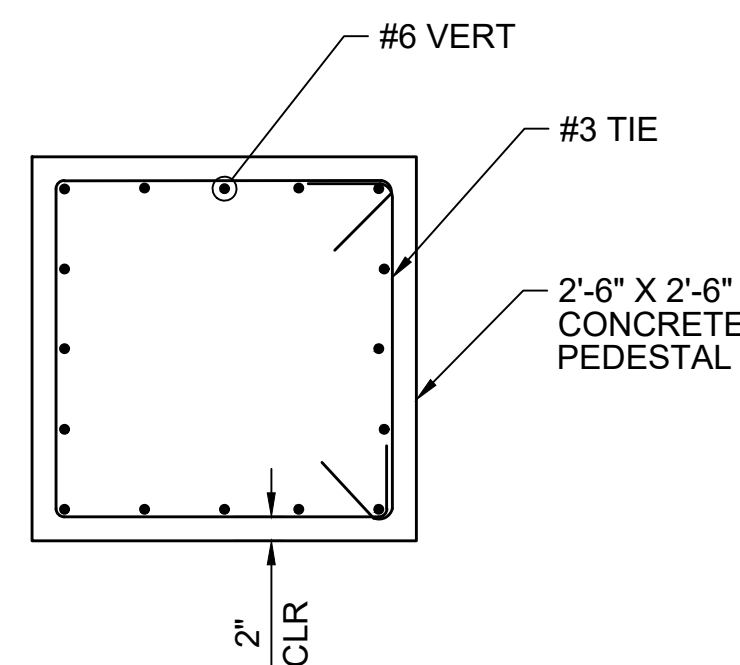
PEDESTRIAN FOUNDATION BASE PLAN

NTS



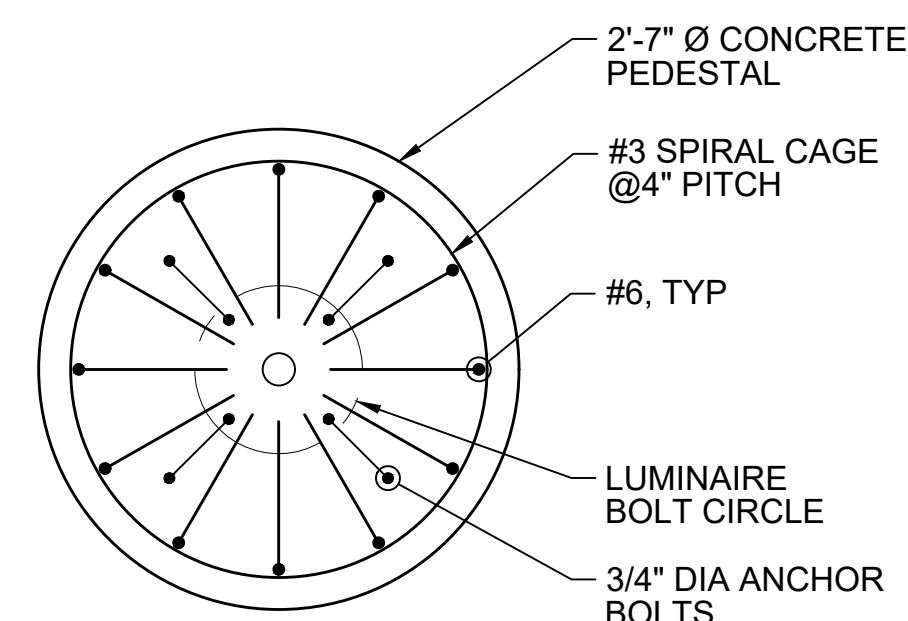
ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



SECTION B

NTS

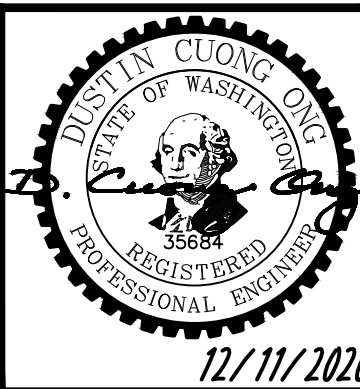


SECTION D

NTS

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DATE:
12/11/2020

SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWD004
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

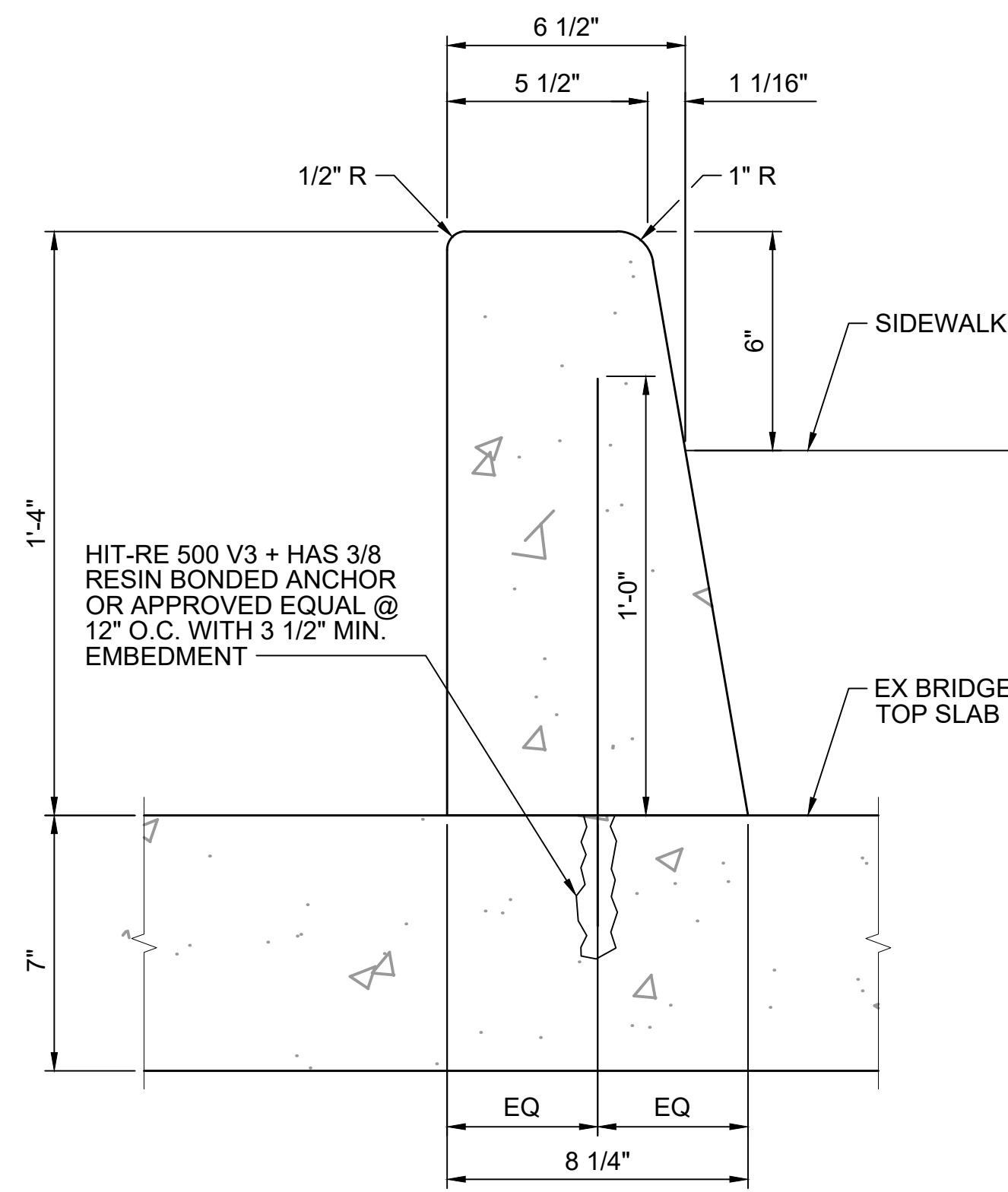
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

LUMINAIRE FOUNDATION AND
SIGN FOUNDATION DETAILS

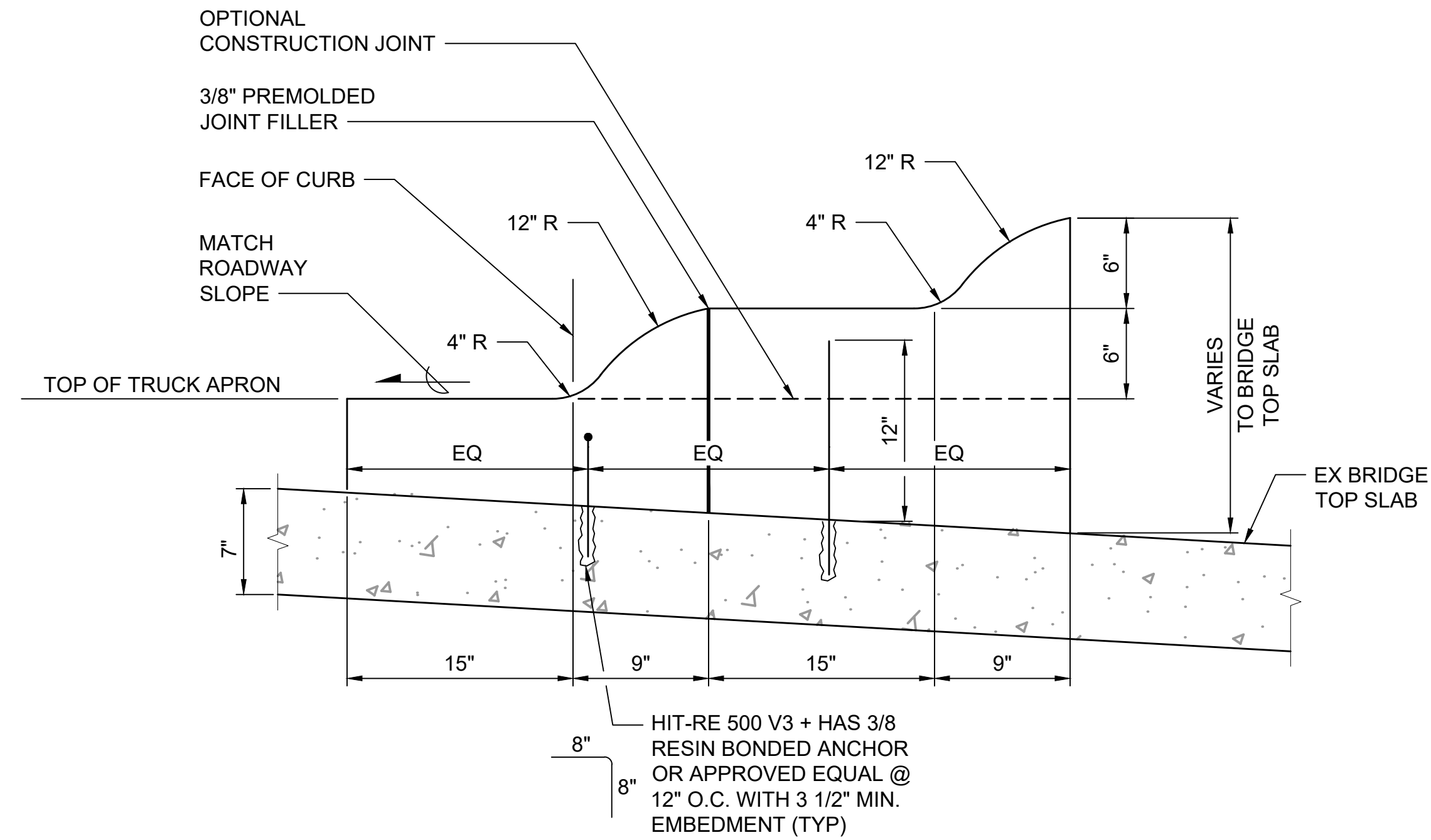
DRAWING No.:
E07-SWD004
LOCATION ID:
E07
SHEET No.:
83 OF 104
REV:
0

12/10/20 | 8:06 PM | HUE ONG | P:\STRUCTURAL\2020\2001 - MERCER ISLAND TRANSIT IC (DEA)\6.0 CADD\DRAWING\135-E07-SWD004.DWG

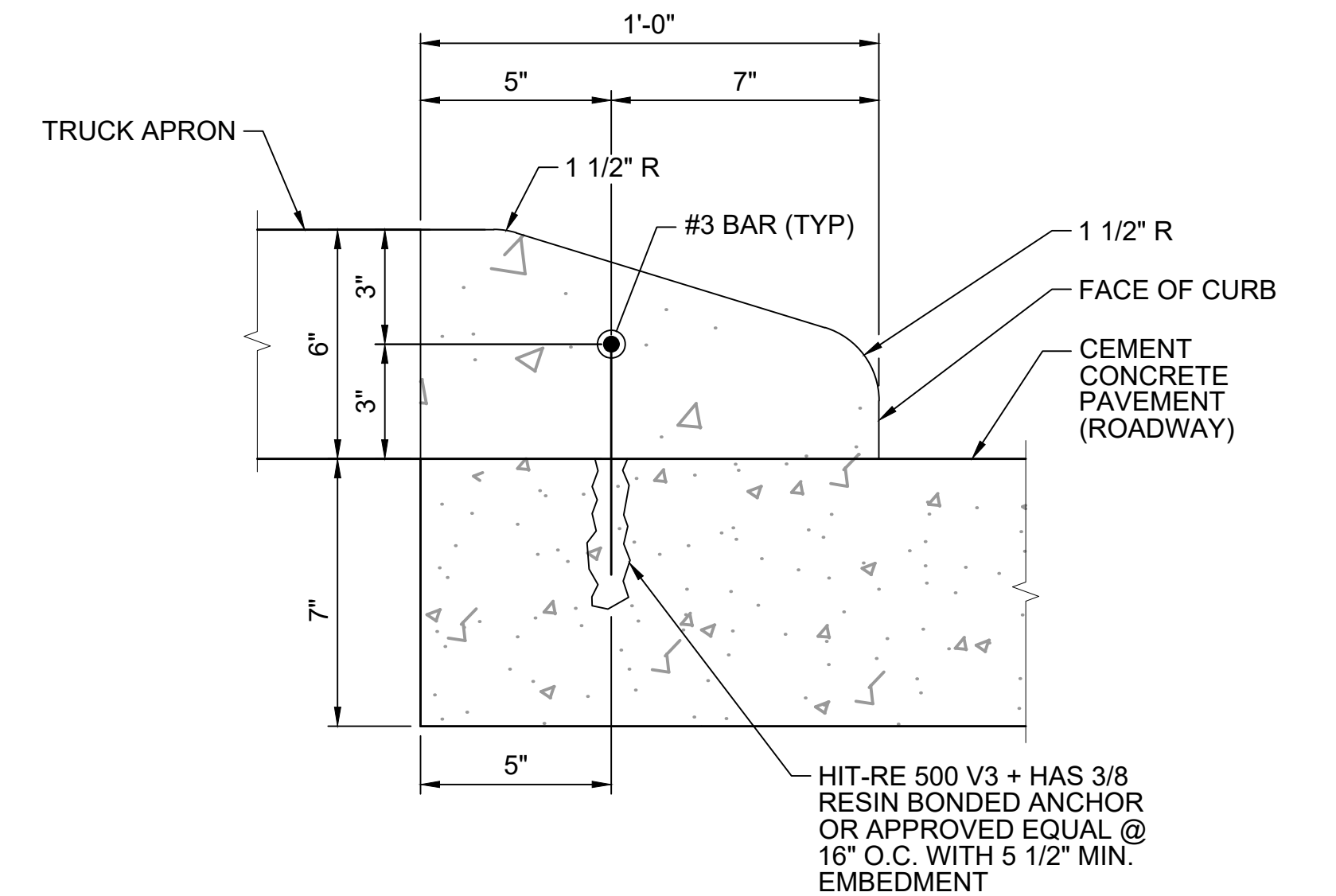




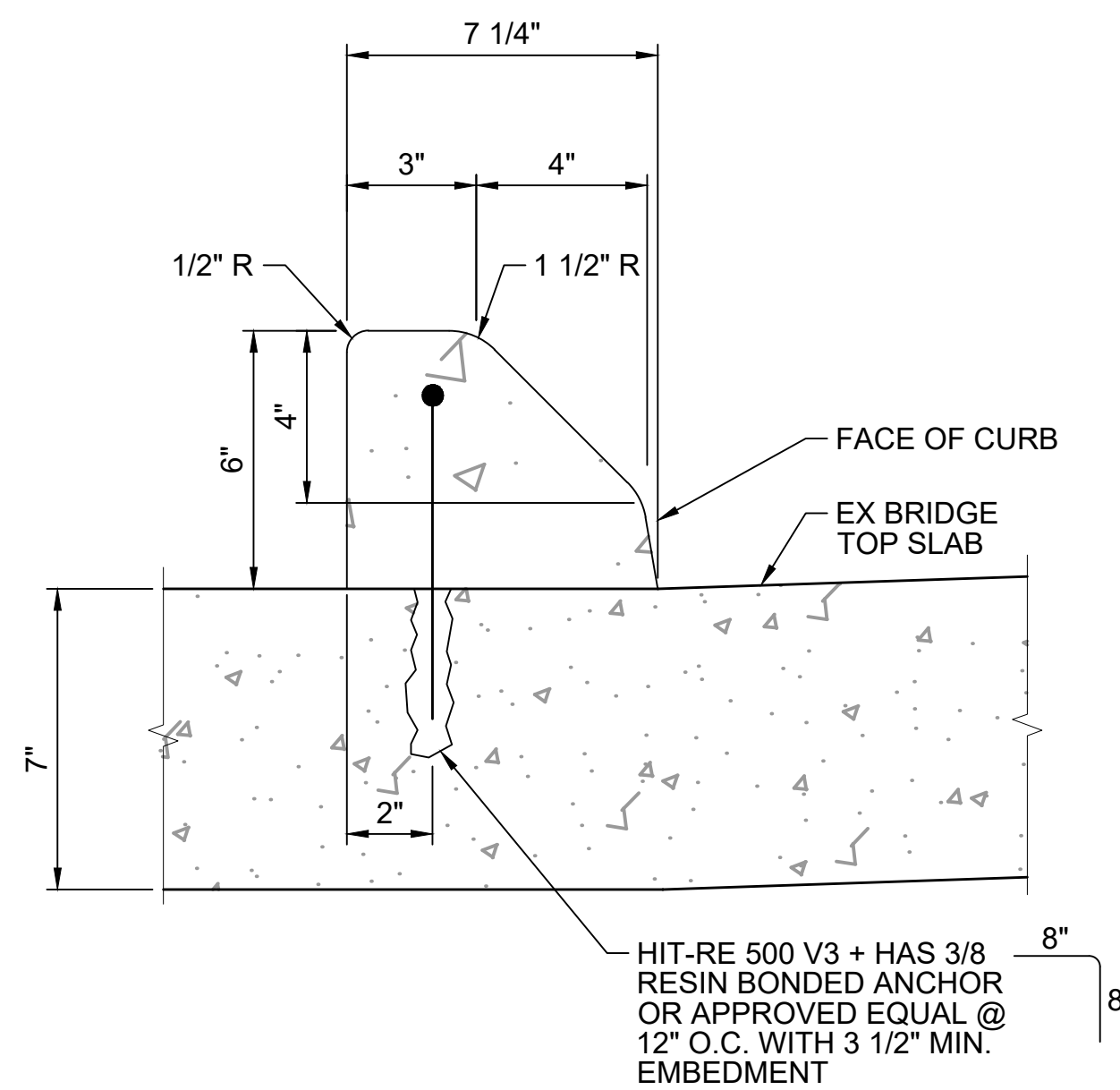
BARRIER CURB DETAIL 1
SCALE: 3" = 1'-0"



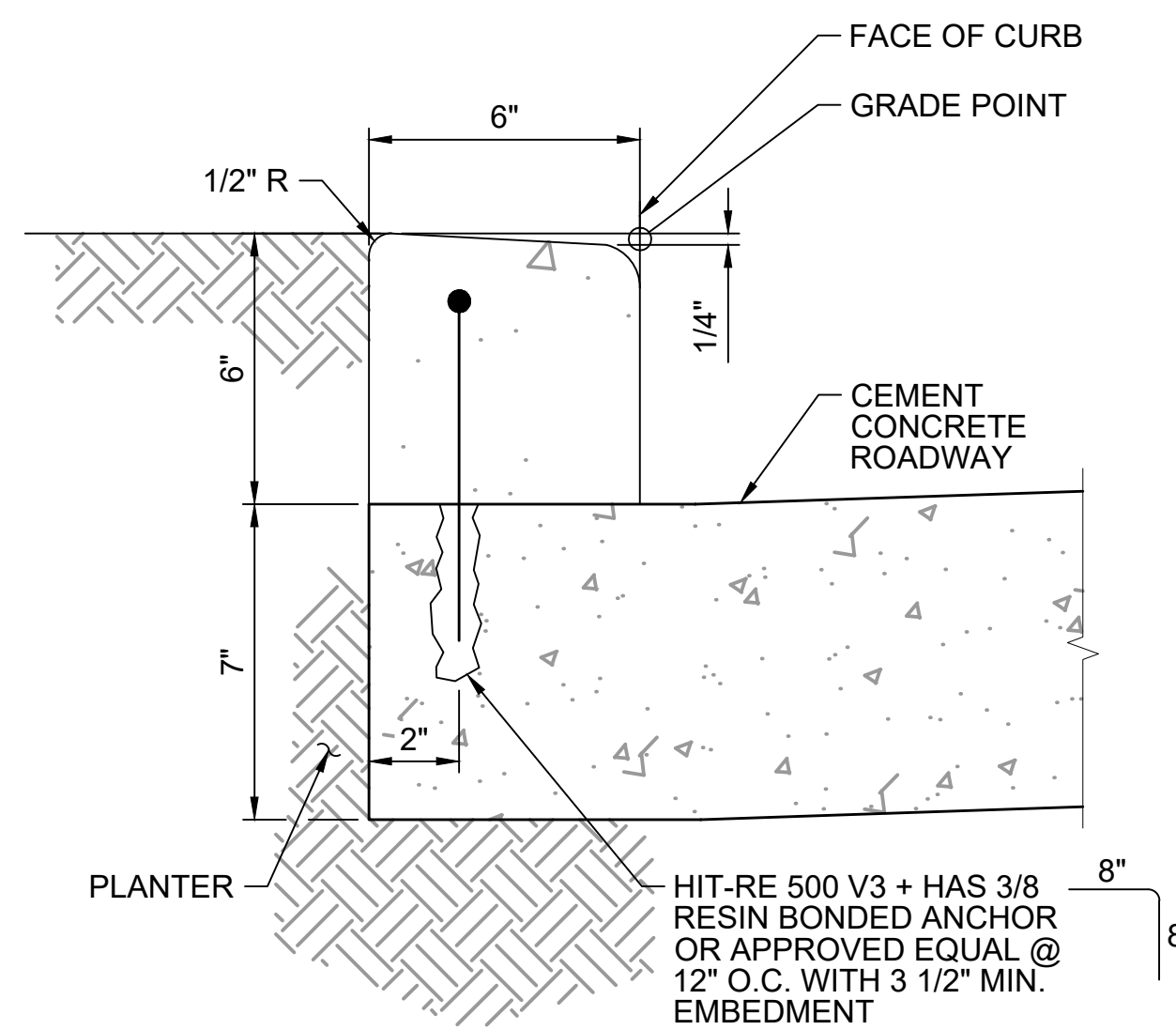
MODIFIED ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB DETAIL 2
SCALE: 1 1/2" = 1'-0"



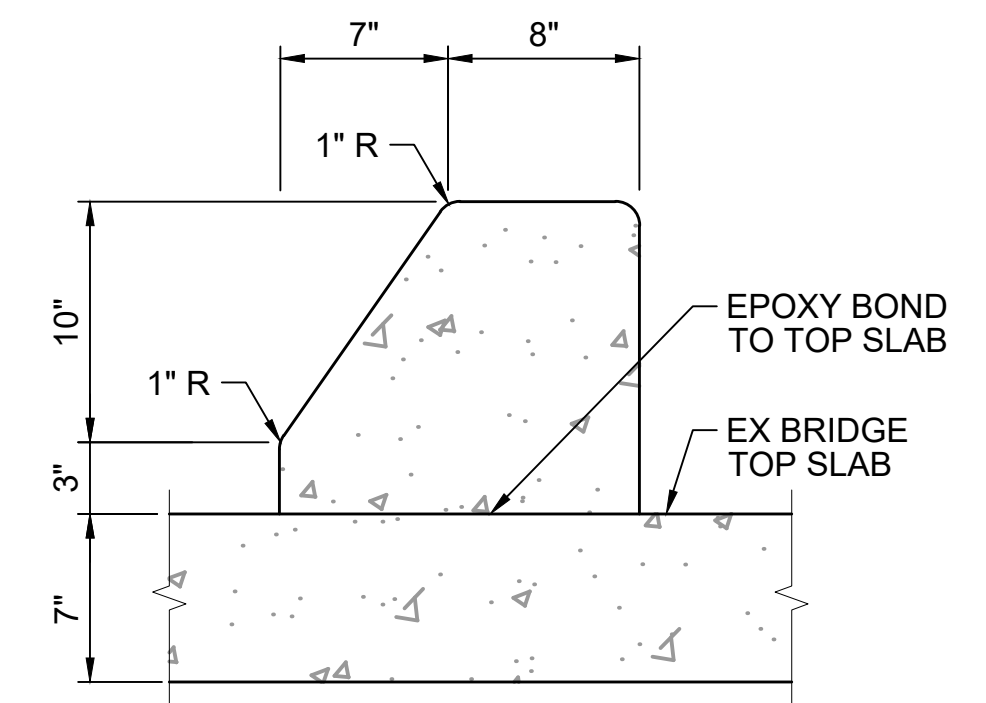
CAST IN PLACE SLOPED MOUNTABLE CURB 3
SCALE: 3" = 1'-0"



MOUNTABLE CEMENT CONCRETE TRAFFIC CURB DETAIL 4
SCALE: 3" = 1'-0"



CEMENT CONCRETE TRAFFIC CURB DETAIL 5
SCALE: 3" = 1'-0"



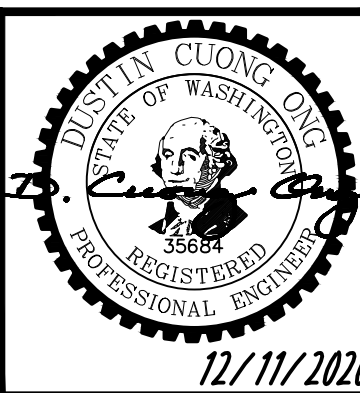
TOP BRIDGE SLAB CURB DETAIL 6
SCALE: 3" = 1'-0"



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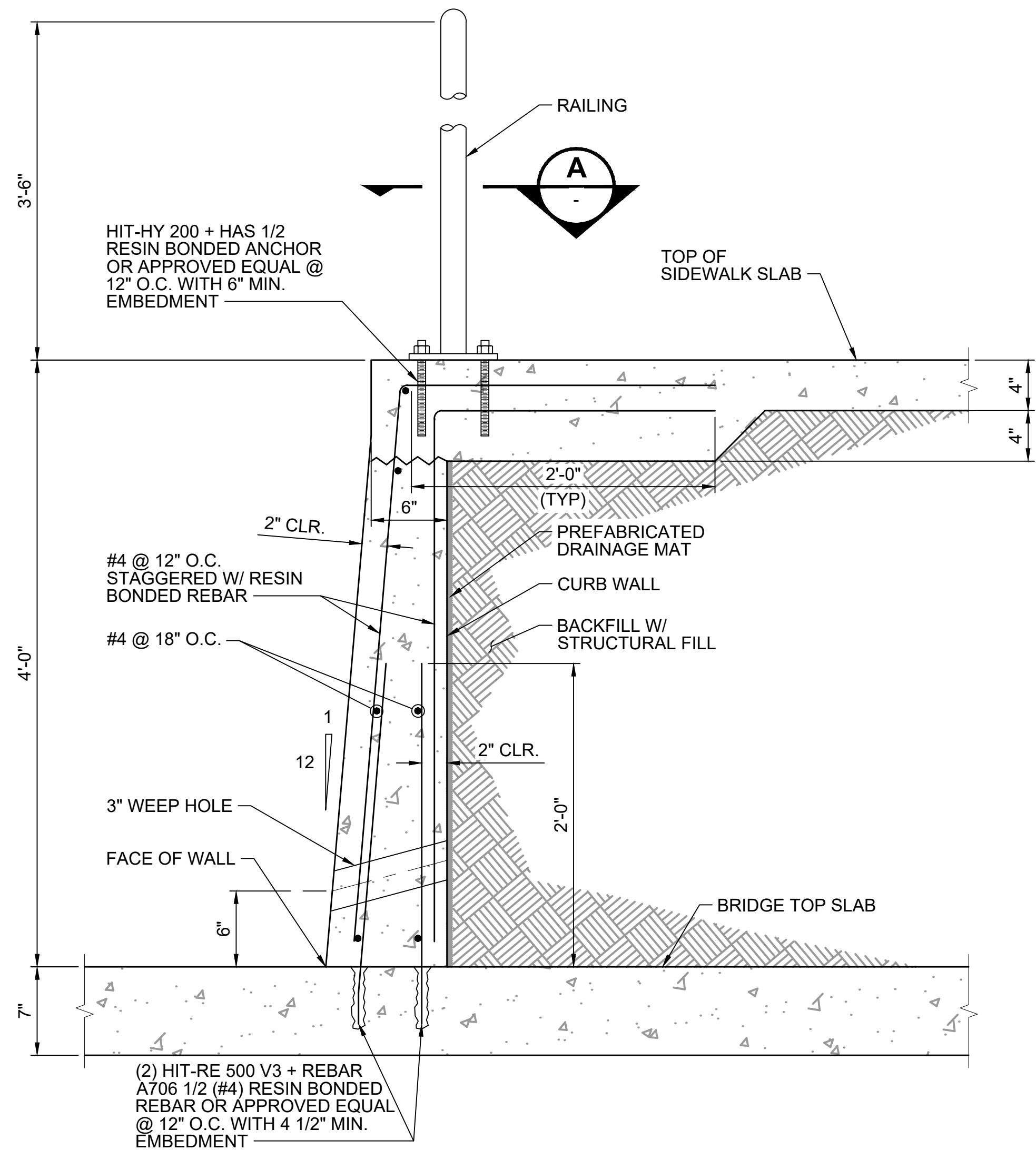
DATE:
12/11/2020

SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWD005
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

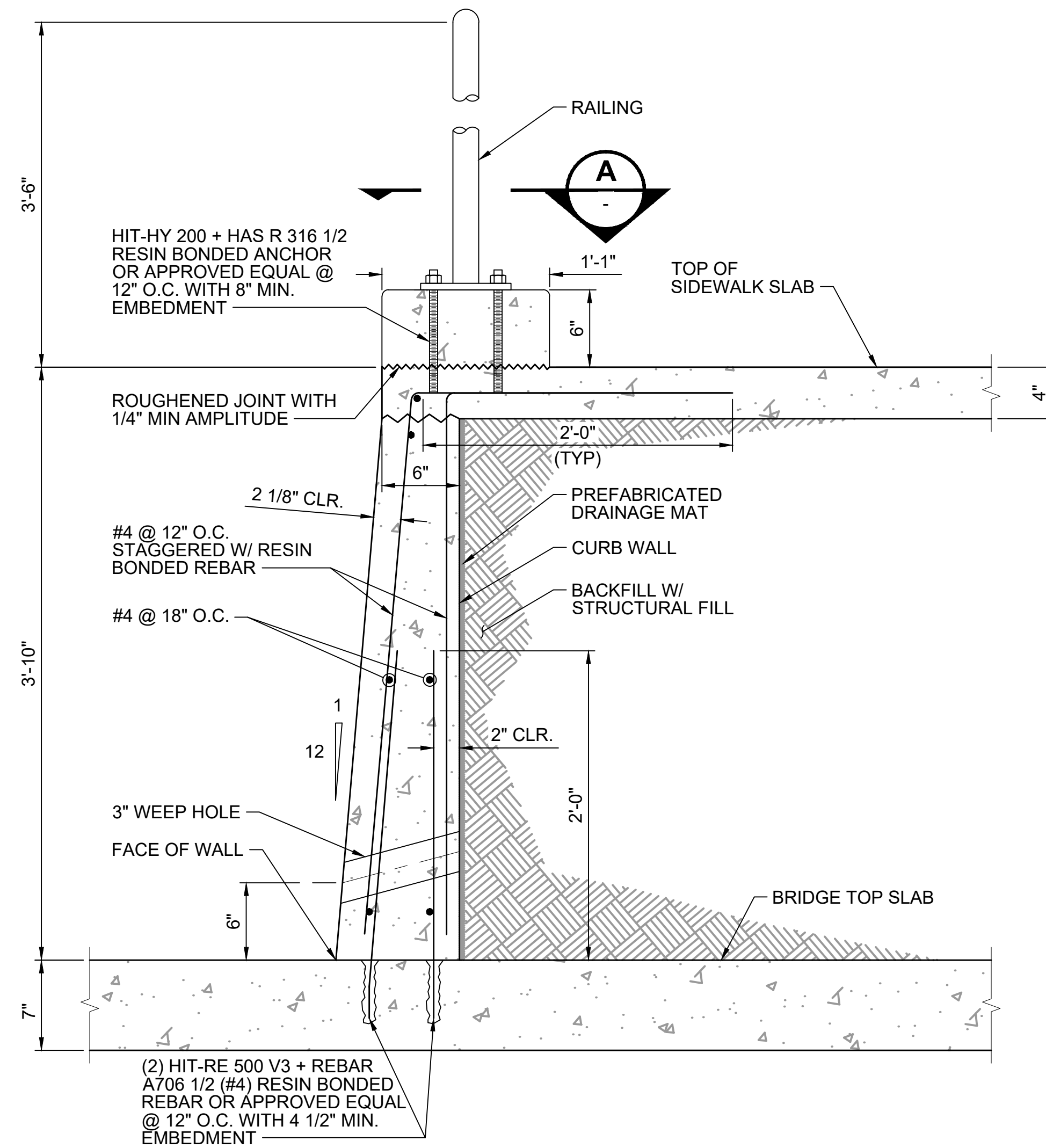
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
**STRUCTURES - SITE WALLS
CURB DETAILS**

DRAWING No.:
E07-SWD005
LOCATION ID:
E07
SHEET No.:
84 OF 104
REV:
0

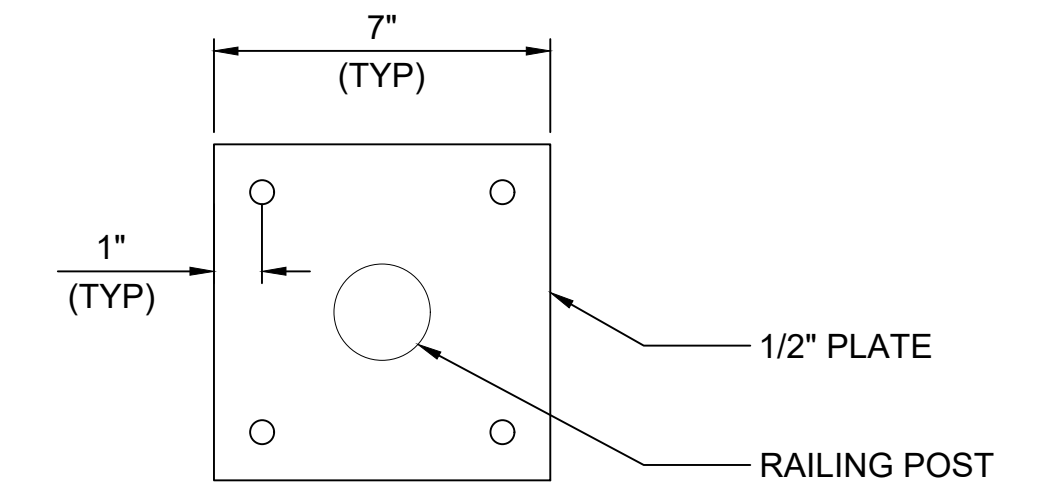
| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
| | | | | | |



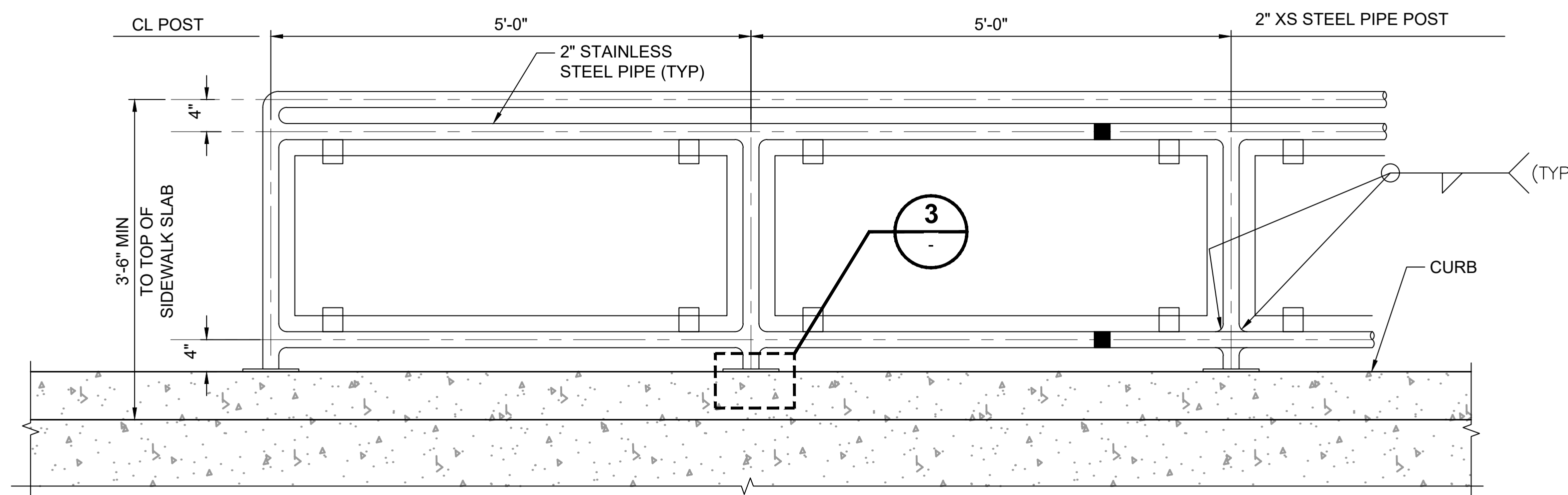
CURB WALL W/O CURB DETAIL 1
SCALE: 1 1/2" = 1'-0"



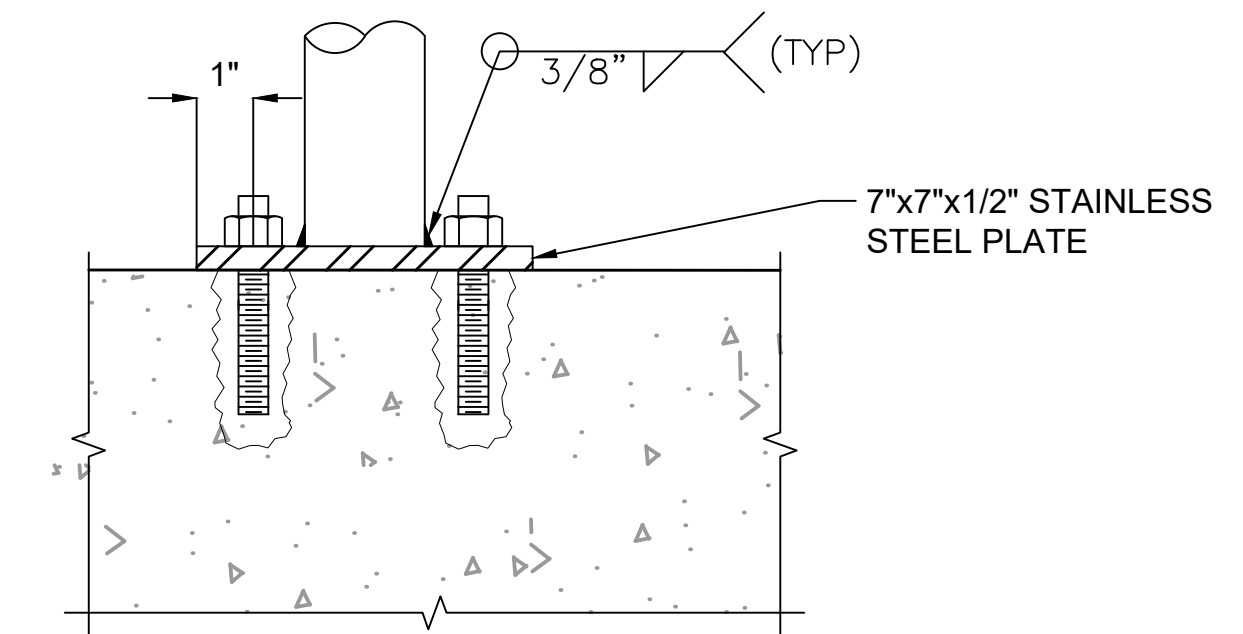
CURB WALL W/ CURB DETAIL 2
SCALE: 1 1/2" = 1'-0"



SECTION A
SCALE: 3" = 1'-0"



STAINLESS STEEL RAILING ELEVATION
SCALE: 1" = 1'-0"



CONNECTION DETAIL 3
SCALE: 3" = 1'-0"



12/10/20 | 8:06 PM | HUE ONG
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SCALE:
SCALE AS NOTED
FILENAME:
E135-E07-SWD006
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

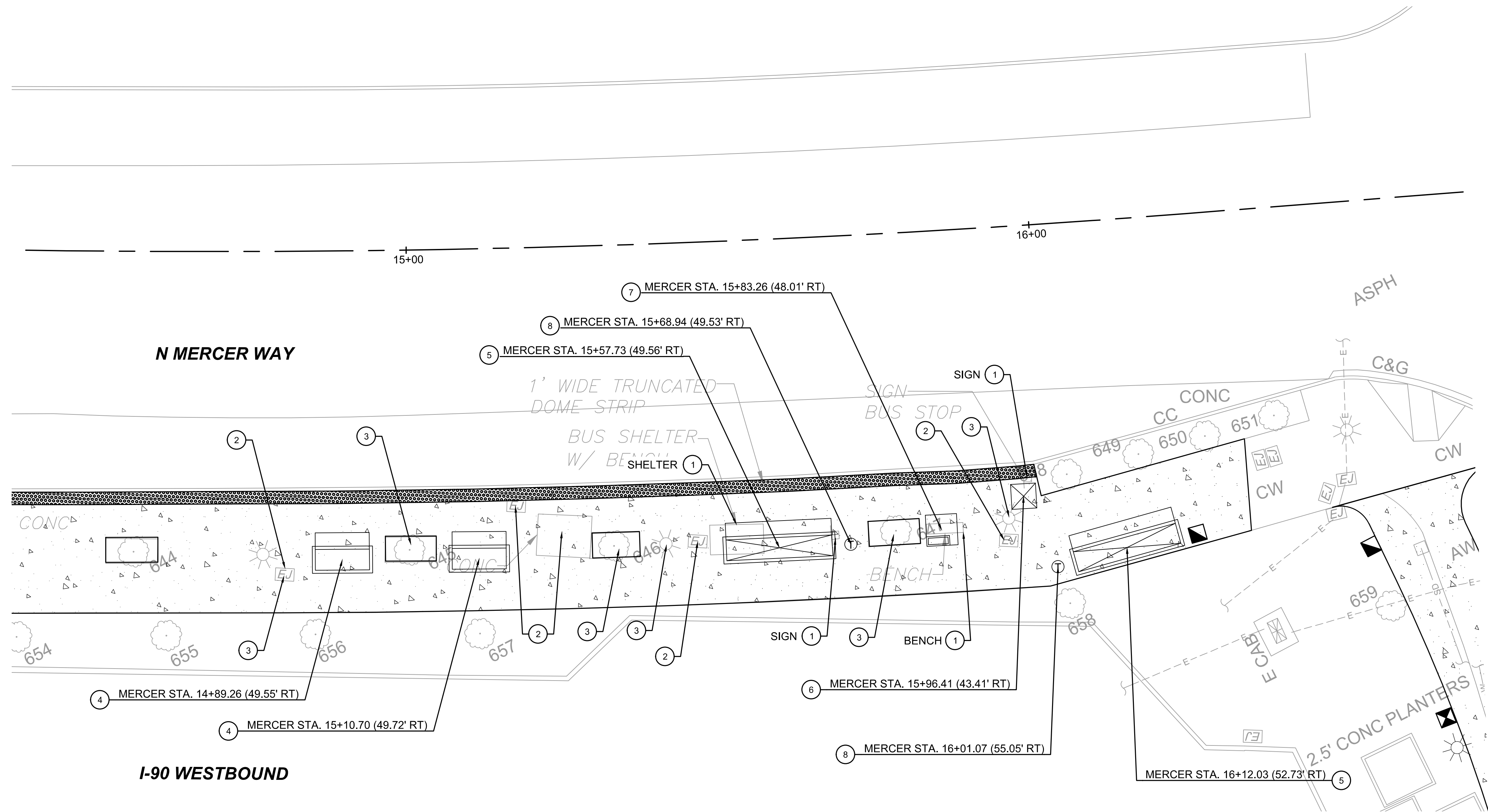
STRUCTURES - SITE WALLS
CURB WALL DETAILS

DRAWING No.:
E07-SWD006
LOCATION ID:
E07
SHEET No.:
85 OF 104
REV:
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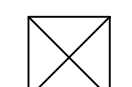

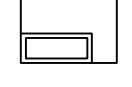
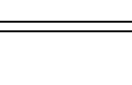
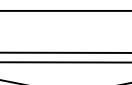
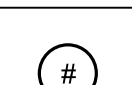
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BUS SHELTER SITE PLAN NOTES:

- 1 KING COUNTY METRO TO REMOVE SITE FEATURE. CONTRACTOR TO NOTIFY KING COUNTY METRO'S DARREN BASSEN AT 206-477-5529 THREE WEEKS PRIOR TO REMOVAL. CONTRACTOR TO REMOVE ALL FOUNDATIONS AND MOUNTING DEVICES COMPLETELY. BACKFILL TO GRADE.
- 2 ADJUST EXISTING UTILITY TO GRADE.
- 3 PROTECT EXISTING FEATURE TO REMAIN.
- 4 INSTALL NEW KING COUNTY METRO SHELTER FOOTING B-21 PER KING COUNTY METRO TRANSIT DIVISION DRAWING D103.
- 5 INSTALL NEW KING COUNTY METRO SHELTER FOOTING B-22 PER METRO TRANSIT DIVISION DRAWING D103.
- 6 INSTALL TYPE III SIGN FOOTING PER KING COUNTY METRO TRANSIT DIVISION DRAWING D104A.
- 7 INSTALL TECH PYLON FOOTING RR-5 FOR KING COUNTY METRO TECH PYLON SIGN FOUNDATION WITH STEM WALL AT SOUTH FOOTING EDGE PER METRO TRANSIT DIVISION DRAWING D102. SECURE TWO TRAFFIC CONES ON STEM WALL TO PREVENT TRIPPING HAZARD. FASTEN EACH CONE WITH TWO WASHERS AND NUTS ON ANCHOR RODS UNTIL PYLON IS INSTALLED BY OTHERS.
- 8 LITTER RECEPTACLE TO BE ANCHORED AND INSTALLED TO CONCRETE SIDEWALK BY KING COUNTY METRO.

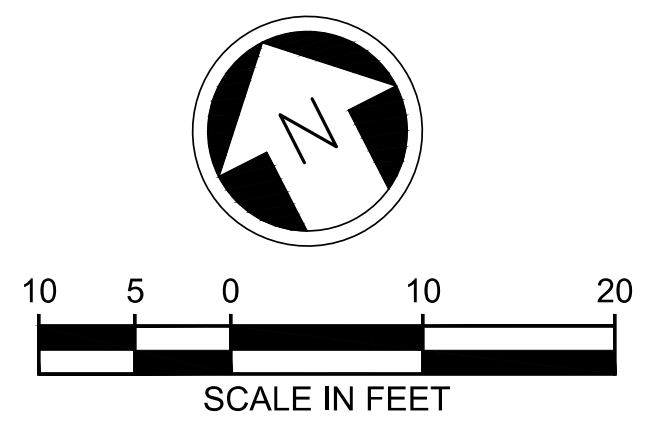


LEGEND:

-  METRO SIGN & FOOTING
-  LITTER RECEPTACLE
-  METRO TECH PYLON
-  METRO SHELTER FOOTING B-21 AND FRAME F-21
-  METRO SHELTER FOOTING B-22 AND FRAME F-22
-  CONSTRUCTION NOTE

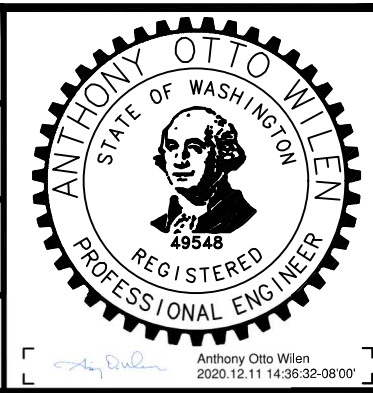
GENERAL NOTES:

- 1. EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED, SEE DRAWING NOS. E07-CXP002 TO E07-CXP003 FOR SIDEWALK REMOVAL, E07-CRP002 TO E07-CRP003 FOR PROPOSED SIDEWALK LIMITS. SEE DRAWING NOS. E07-LHP002 TO LHP003 FOR HARDSCAPE SCORING OF SIDEWALK.
- 2. CONTACT "PLANSREVIEW@KINGCOUNTY.GOV" TO COORDINATE AND SCHEDULE REMOVALS AND INSTALLATIONS OF BUS STOP AMENITIES (SHELTERS, BENCHES, SIGNAGE, ETC.) A MINIMUM OF THREE WEEKS IN ADVANCE OF WORK.
- 3. CONTRACTOR SHALL INSTALL FOUNDATIONS, CONDUITS AND JUNCTION BOXES. BUS STOP AMENITIES TO BE INSTALLED BY KING COUNTY METRO. ALL FOOTINGS AND FOUNDATIONS MUST BE INSPECTED BY METRO INSPECTORS PRIOR TO POURING CONCRETE. PLEASE CONTACT METRO INSPECTORS DIRECTLY AT 206-263-2381 OR "TBIR@KINGCOUNTY.GOV" A MINIMUM OF THREE WORKING DAYS IN ADVANCE TO SCHEDULE INSPECTION.
- 4. REFER TO KING COUNTY METRO TRANSIT - TRANSIT PASSENGER FACILITIES IMPROVEMENT STANDARD DETAILS FOR NOTES, PLANS, LAYOUTS, AND DETAILS FOR ASSOCIATED PROJECT BUS STOPS, INCLUDING SHELTERS, FOUNDATIONS/REINFORCING, SIGNS AND ELECTRICAL WORK.
- 5. STATION AND OFFSET ARE TO CENTER OF FOUNDATION/FOOTING AND AMENITIES WITH THE LONGITUDINAL AXIS PARALLEL TO ROADWAY.
- 6. SEE DRAWING NOS. E07-CLP001 TO E07-CLP003 FOR POWER CONNECTION, CONDUIT LAYOUT, AND JUNCTION BOX LOCATIONS ON ILLUMINATION PLANS.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 10'
FILENAME:
E135-E07-ASP001
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
BUS SHELTER SITE PLAN

DRAWING No.:
E07-ASP001
LOCATION ID:
E07
SHEET No.:
86 OF 104
REV:
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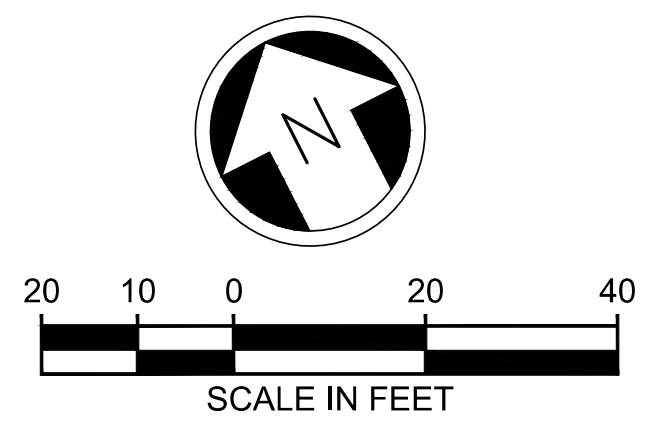
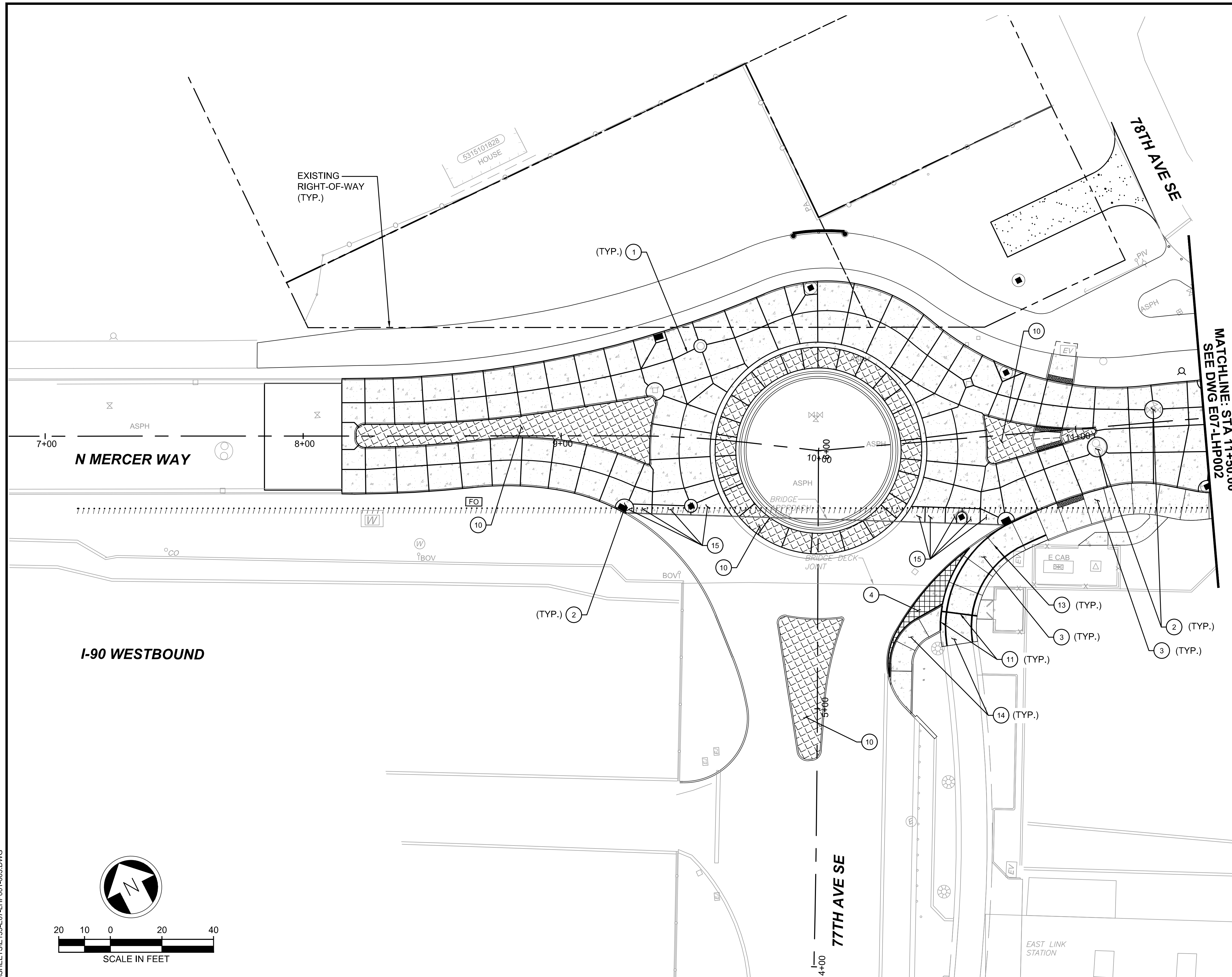
SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

HARDSCAPE NOTES:

- ① CEMENT CONCRETE PAVEMENT JOINTS PER WSDOT STD. PLAN A-40.10-04.
- ② PCC PAVEMENT ISOLATION JOINTS PER WSDOT STD. PLAN A-40.15-00.
- ③ CONCRETE SIDEWALK, SEE DETAIL 4, DRAWING NO. E07-LHD001, 10' SPACING O.C. SCORING.
- ④ CONCRETE SIDEWALK ON STRUCTURE, SEE DETAIL 5, DRAWING NO. E07-LHD001, LIGHT SANDBLAST FINISH, 2'X2' SCORING.
- ⑩ PATTERNED CONCRETE, SEE DRAWING NO. E07-CRD001 FOR TRAFFIC ISLAND / TRUCK APRON PATTERN DETAIL.
- ⑪ CONCRETE ISOLATION JOINT, SEE DETAIL 1, DRAWING NO. E07-LHD001.
- ⑬ CONCRETE CONTROL JOINT II, SEE DETAIL 3, DRAWING NO. E07-LHD001.
- ⑭ CONCRETE SIDEWALK ON STRUCTURE, SEE DETAIL 5, DRAWING NO. E07-LHD001, 10' SPACING O.C. SCORING.
- ⑮ INSTALL EXISTING APPROACH SLAB TRANSITION PANEL PER WSDOT STD. PLAN A-40.10-04.

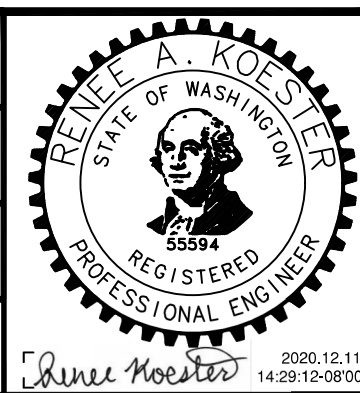
GENERAL NOTES

- 1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR CEMENT CONCRETE PAVEMENT AND SIDEWALK DIMENSIONS.
- 2. SEE DRAWING NOS. E07-CRY0001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- 3. SEE DRAWING NOS. E07-LHP004 & E07-LHP005 FOR ROUNDABOUT HARDSCAPE PLAN & DIMENSIONS.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-LHP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

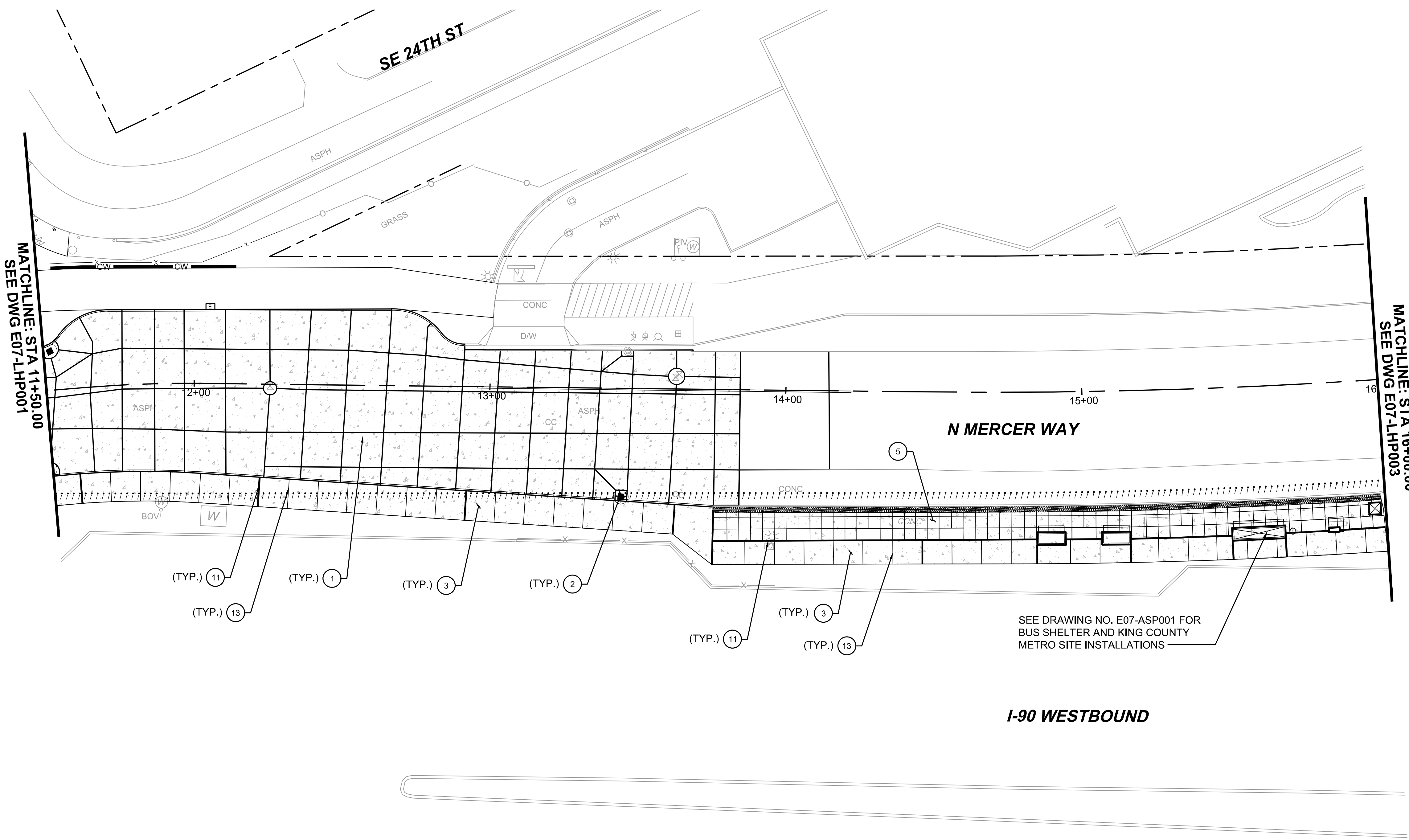
EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
HARDSCAPE PLAN

DRAWING No.:
E07-LHP001
LOCATION ID:
E07
SHEET No.:
87 OF 104
REV:
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| No. | DATE | DSN | CHK | APP | REVISION |
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SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU



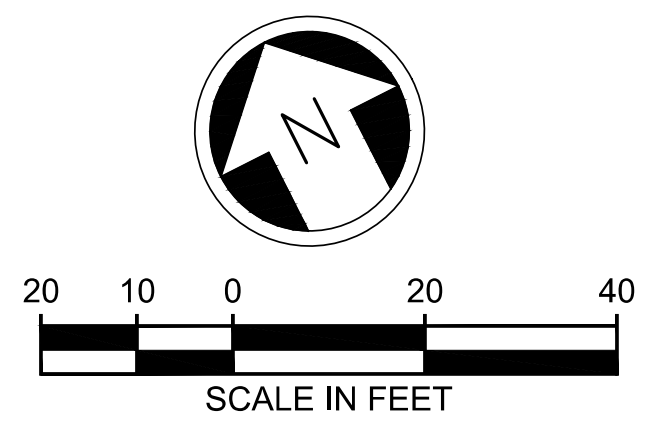
HARDSCAPE NOTES:

- ① CEMENT CONCRETE PAVEMENT JOINTS PER WSDOT STD. PLAN A-40.10-04.
- ② PCC PAVEMENT ISOLATION JOINTS PER WSDOT STD. PLAN A-40.15-00.
- ③ CONCRETE SIDEWALK, SEE DETAIL 4, DRAWING NO. E07-LHD001, 10' SPACING O.C. SCORING.
- ⑤ CONCRETE SIDEWALK, SEE DETAIL 4, DRAWING NO. E07-LHD001, LIGHT SANDBLAST FINISH, 4'X4' SCORING.
- ⑪ CONCRETE ISOLATION JOINT, SEE DETAIL 1, DRAWING NO. E07-LHD001.
- ⑬ CONCRETE CONTROL JOINT II, SEE DETAIL 3, DRAWING NO. E07-LHD001.

GENERAL NOTES

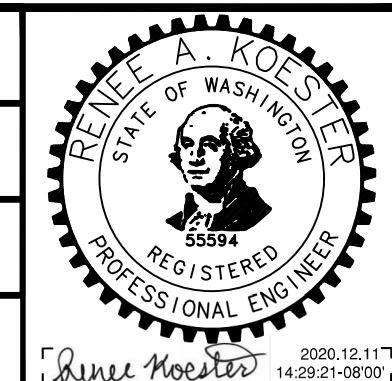
- 1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR CEMENT CONCRETE PAVEMENT AND SIDEWALK DIMENSIONS.
- 2. SEE DRAWING NOS. E07-CRY0001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- 3. SEE DRAWING NOS. E07-LHP004 & E07-LHP005 FOR ROUNDABOUT HARDSCAPE PLAN & DIMENSIONS.

SEE DRAWING NO. E07-ASP001 FOR BUS SHELTER AND KING COUNTY METRO SITE INSTALLATIONS



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
E135-E07-LHP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

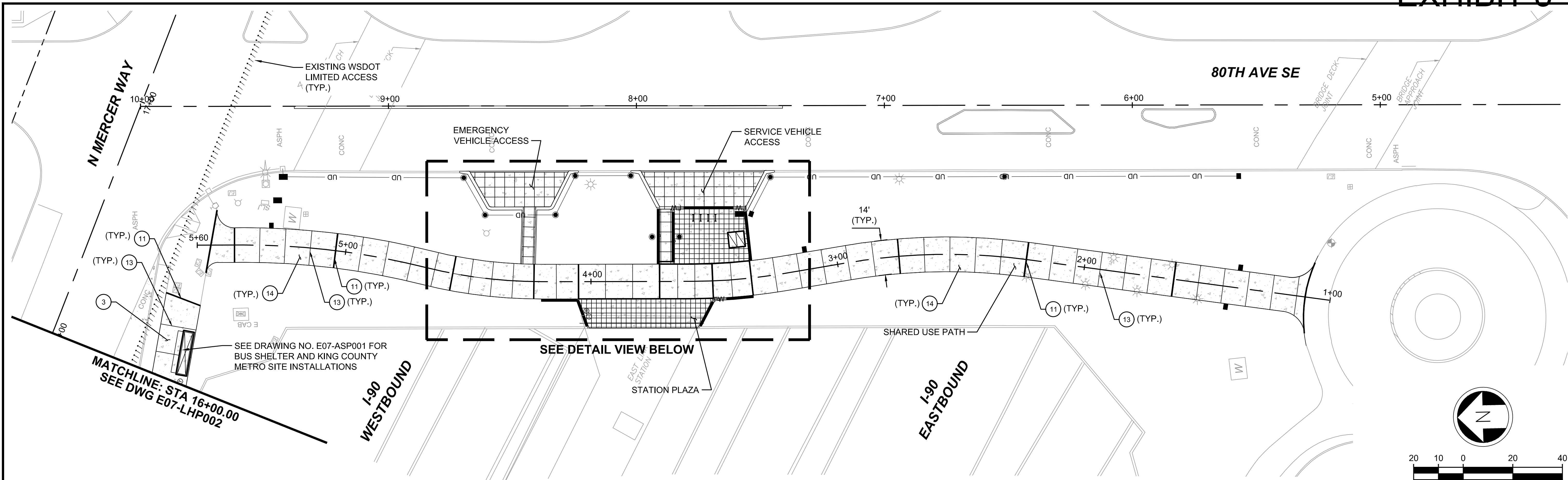
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
HARDSCAPE PLAN

DRAWING No.:
E07-LHP002
LOCATION ID:
E07
SHEET No.:
88 OF 104
REV:
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SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

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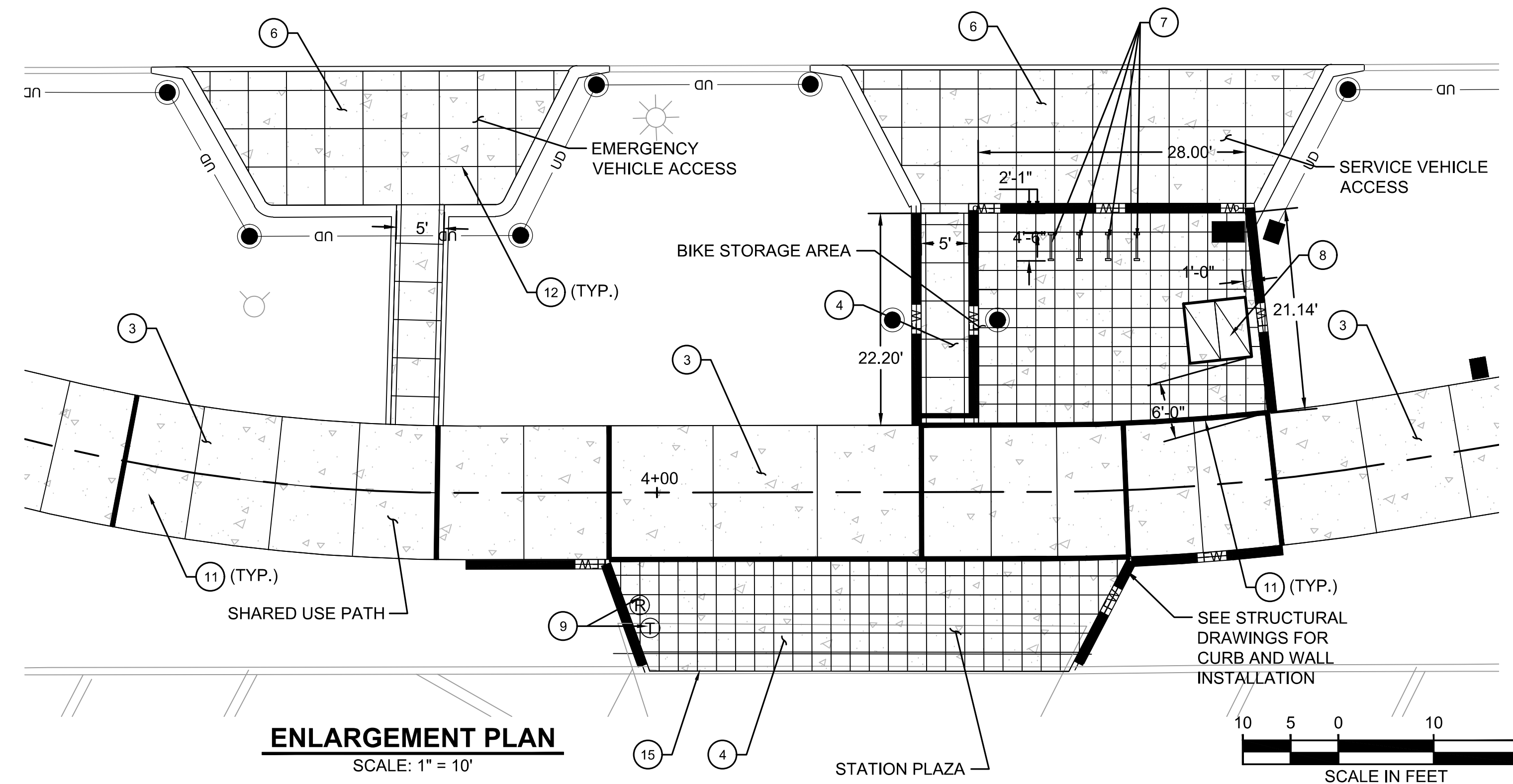


HARDSCAPE NOTES:

- ③ CONCRETE SIDEWALK, SEE DETAIL 4, DRAWING NO. E07-LHD001, 10' SPACING O.C. SCORING.
- ④ CONCRETE SIDEWALK ON STRUCTURE, SEE DETAIL 5, DRAWING NO. E07-LHD001, LIGHT SANDBLAST FINISH, 2'X2' SCORING.
- ⑥ EMERGENCY VEHICLE/SERVICE VEHICLE ACCESS, CONCRETE PAVING, 4'X4' SCORING.
- ⑦ INSTALL BIKE RACK PER DETAIL 9, DRAWING NO. E07-LHD002.
- ⑧ INSTALL BIKE LOCKER, SEE DETAIL 8, DRAWING NO. E07-LHD002 FOR ANCHOR DETAIL.
- ⑨ INSTALL TRASH AND RECYCLE RECEPTACLE, SEE DETAILS 6 & 7, DRAWING NO. LHD002.
- ⑪ CONCRETE ISOLATION JOINT, SEE DETAIL 1, DRAWING NO. E07-LHD001.
- ⑫ CONCRETE CONTROL JOINT, SEE DETAIL 2, DRAWING NO. E07-LHD001.
- ⑬ CONCRETE CONTROL JOINT II, SEE DETAIL 3, DRAWING NO. E07-LHD001.
- ⑭ CONCRETE SIDEWALK ON STRUCTURE, SEE DETAIL 5, DRAWING NO. E07-LHD001, 10' SPACING O.C. SCORING.
- ⑯ INSTALL PREMOULDED JOINT FILLER BETWEEN NEW SIDEWALK AND EXISTING CONCRETE BARRIER.

GENERAL NOTES

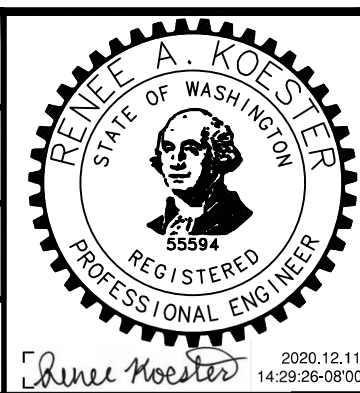
- 1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR CEMENT CONCRETE PAVEMENT AND SIDEWALK DIMENSIONS.
- 2. SEE DRAWING NOS. E07-CRY0001 TO E07-CRY003 FOR TYPICAL SECTIONS.
- 3. SEE DRAWING NO. E07-SWP002 FOR CURBS AND CURB WALL PLAN, AND DRAWING NO. E07-SWD005 FOR CURB AND CURB WALL DETAILS



ENLARGEMENT PLAN
SCALE: 1" = 10'

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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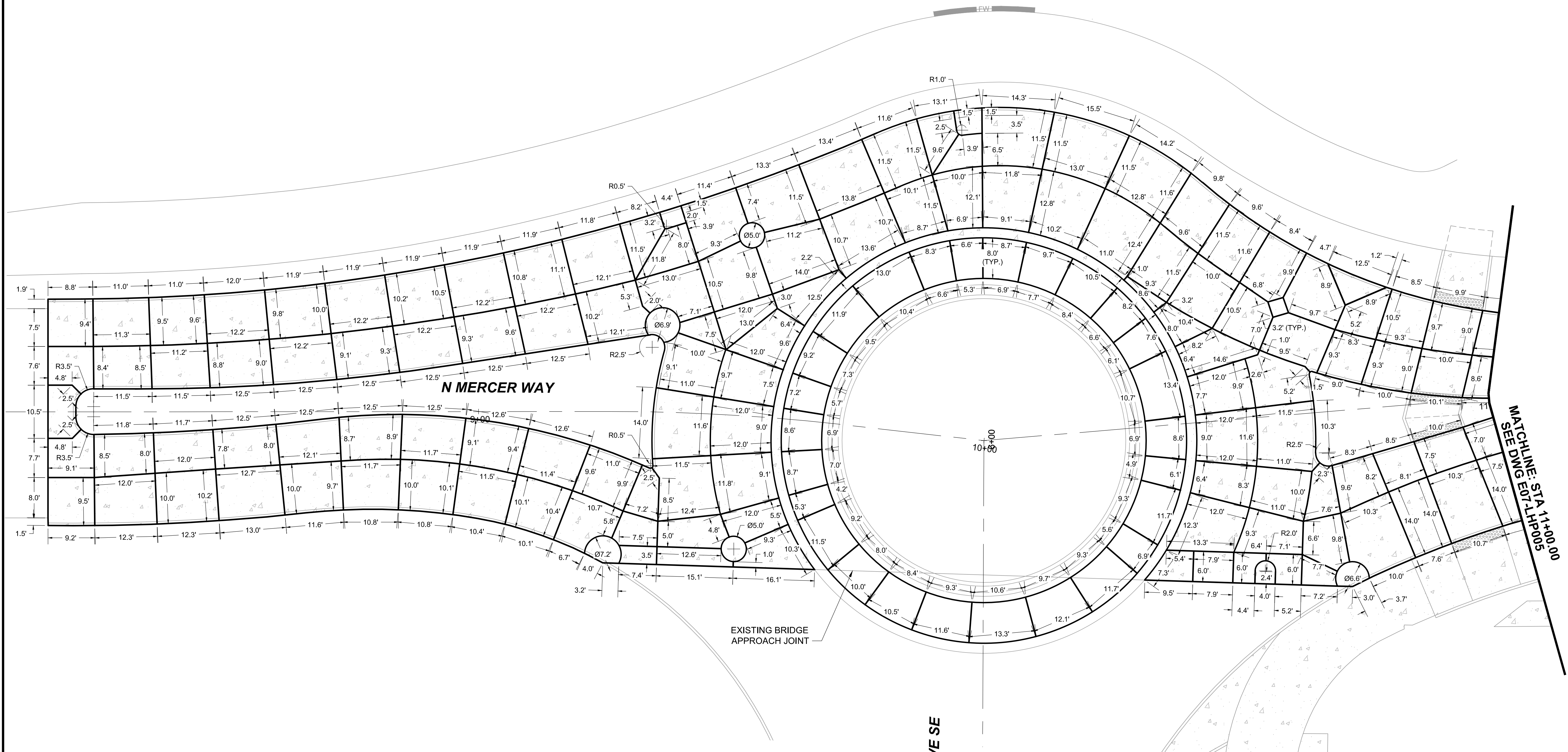
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E135-E07-LHP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
HARDSCAPE PLAN

DRAWING No.:
E07-LHP003
LOCATION ID:
E07
SHEET No.:
89 OF 104
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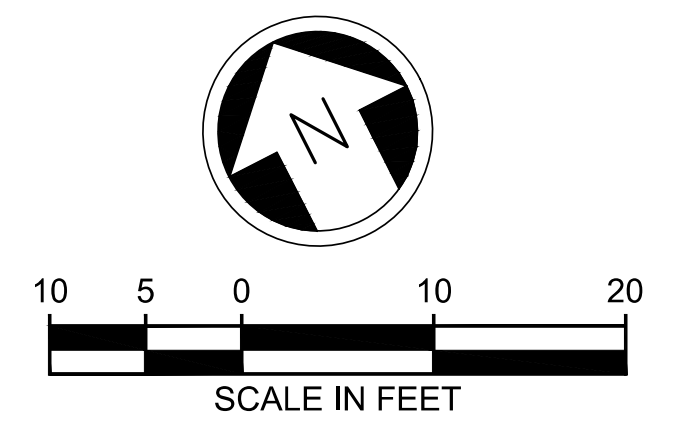
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GENERAL NOTES

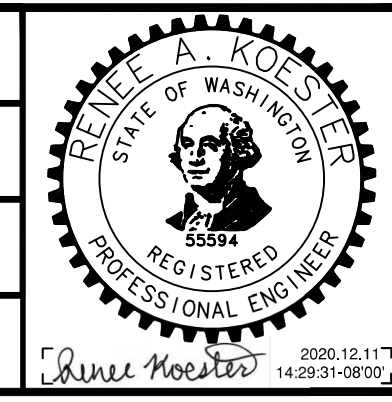
1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR CEMENT CONCRETE PAVEMENT AND SIDEWALK DIMENSIONS.
2. SEE DRAWING NOS. E07-CRY0001 TO E07-CRY003 FOR TYPICAL SECTIONS.
3. SEE DRAWING NOS. E07-LHP001 & E07-LHP002 FOR HARDSCAPE PLANS.



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ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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Phone: 425.519.6500

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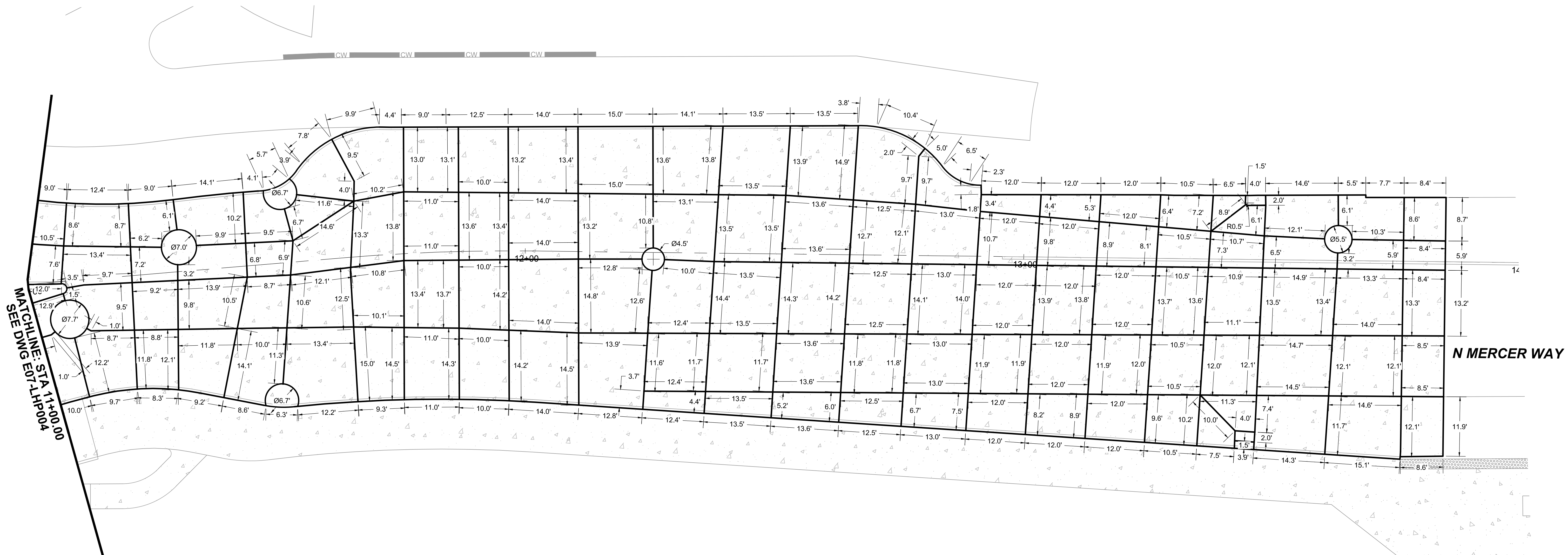


SCALE:
1" = 10'
FILENAME:
E135-E07-LHP004-005
CONTRACT No.:
RT/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ROUNDBOUT HARDSCAPE PLAN

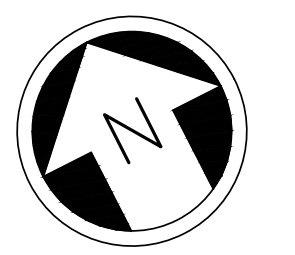
DRAWING No.:
E07-LHP004
LOCATION ID:
E07
SHEET No.:
90 OF 104
REV:
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SUBMITTED BY: A. WILEN
DATE: 12/11/2020
REVIEWED BY: M. LU
DATE: 12/11/2020



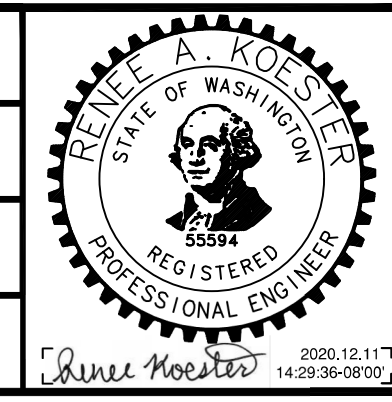
GENERAL NOTES

1. SEE DRAWING NOS. E07-CRP001 TO E07-CRP003 FOR CEMENT CONCRETE PAVEMENT AND SIDEWALK DIMENSIONS.
2. SEE DRAWING NOS. E07-CRY0001 TO E07-CRY003 FOR TYPICAL SECTIONS.
3. SEE DRAWING NOS. E07-LHP001 & E07-LHP002 FOR HARDSCAPE PLANS.



ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
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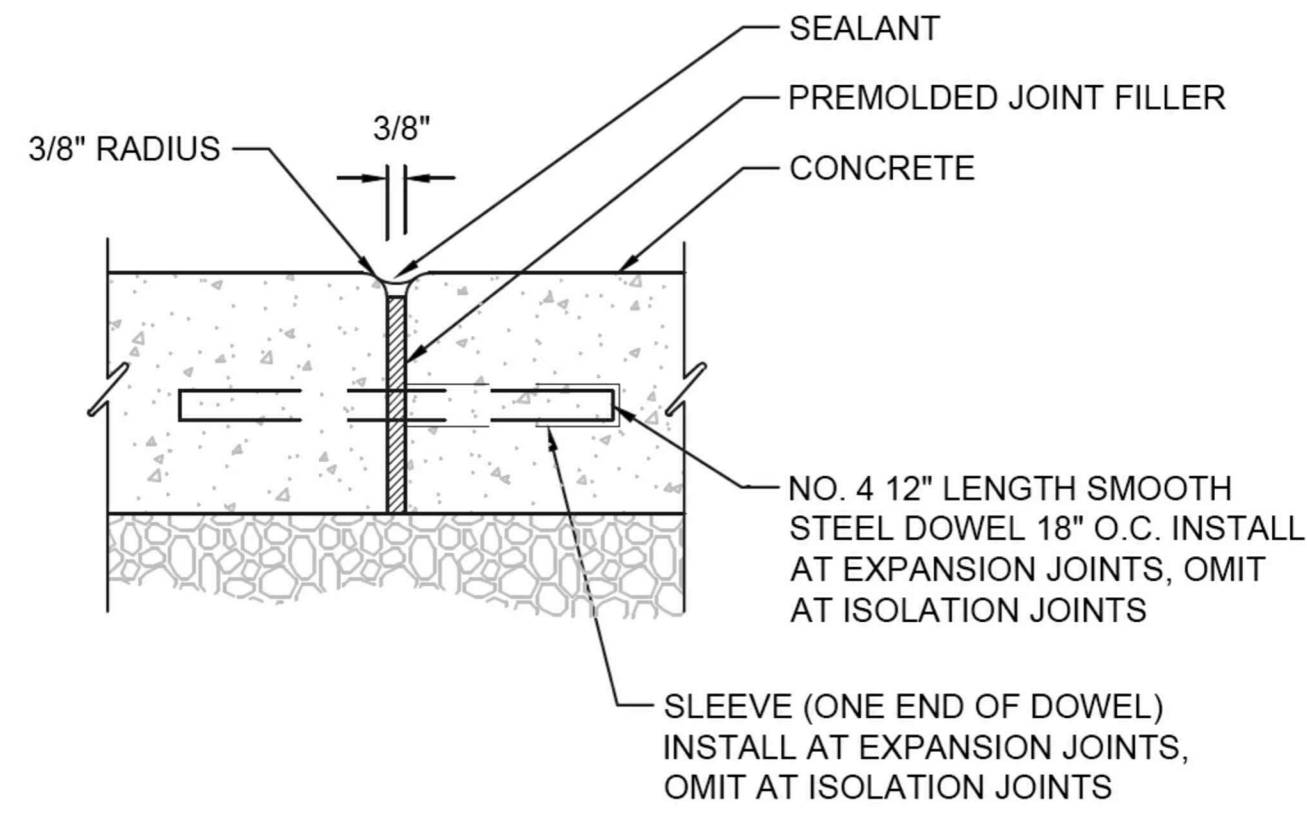
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1" = 10'
FILENAME:
E135-E07-LHP004-005
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
ROUNDABOUT HARDSCAPE PLAN

DRAWING No.:
E07-LHP005
LOCATION ID:
E07
SHEET No.:
91 OF 104
REV:
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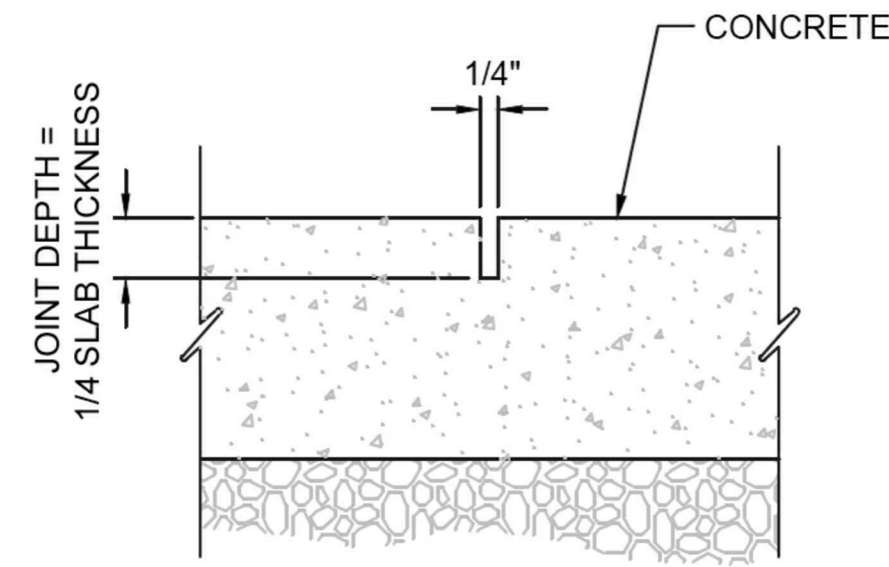
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| SUBMITTED BY: A. WILEN | DATE: 12/11/2020 | REVIEWED BY: M. LU | DATE: 12/11/2020 |
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CONCRETE EXPANSION/ISOLATION JOINT
NTS

1

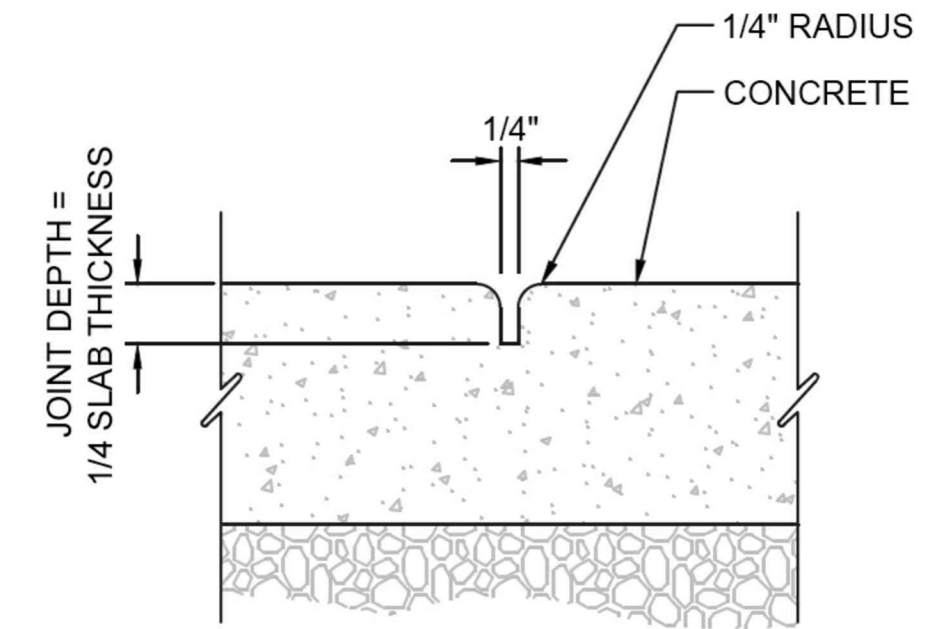
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E07-LHP002



CONCRETE CONTROL JOINT
NTS

2

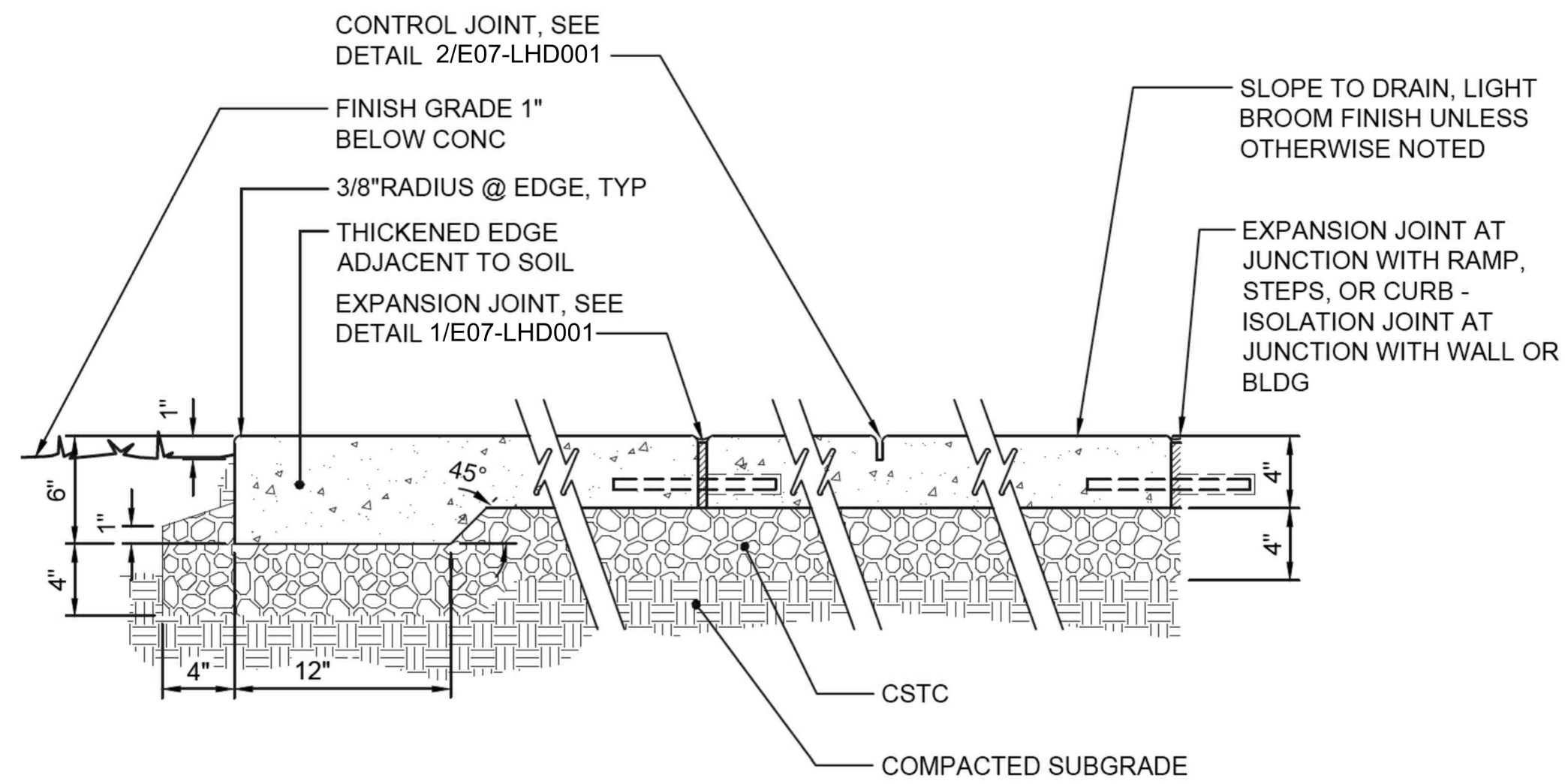
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CONCRETE CONTROL JOINT II
NTS

3

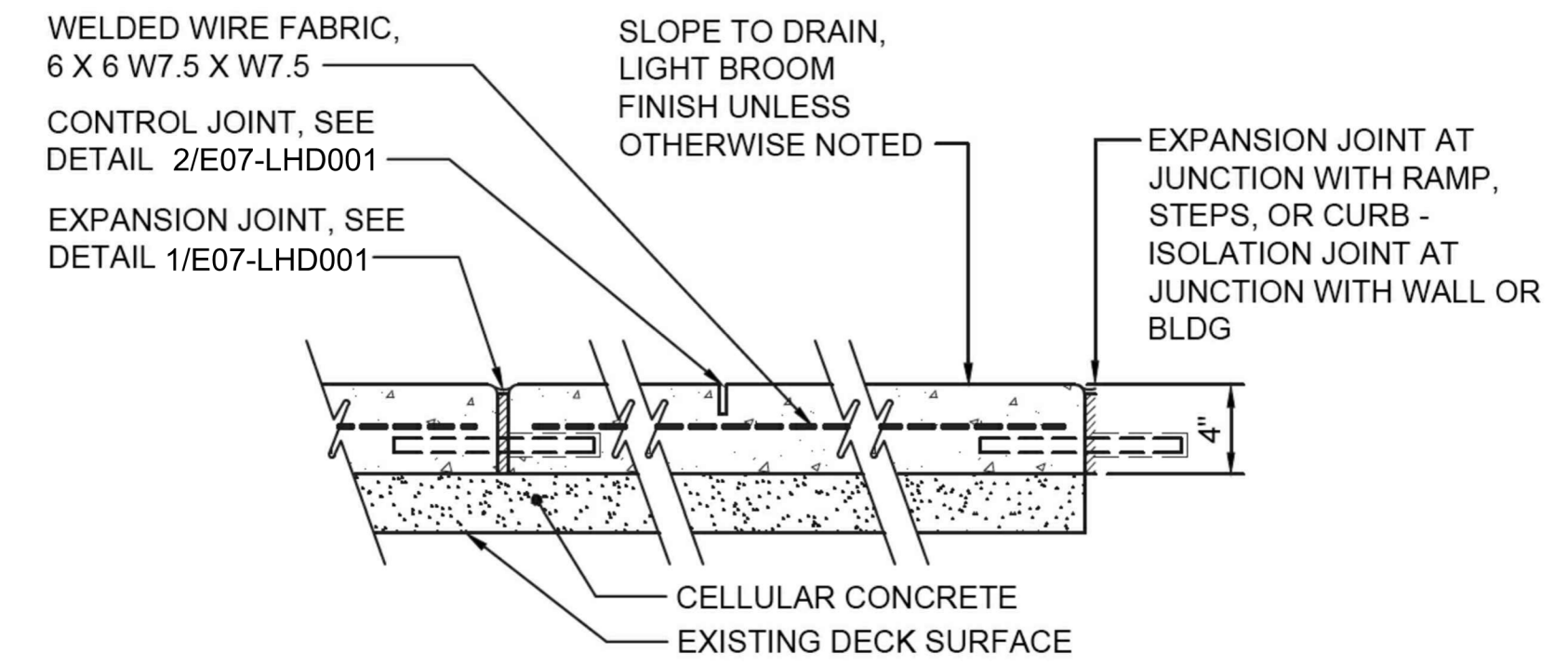
E07-LHP001
E07-LHP002
E07-LHP003



CONCRETE SIDEWALK
NTS

4

E07-LHP001
E07-LHP002



CONCRETE SIDEWALK ON STRUCTURE
NTS

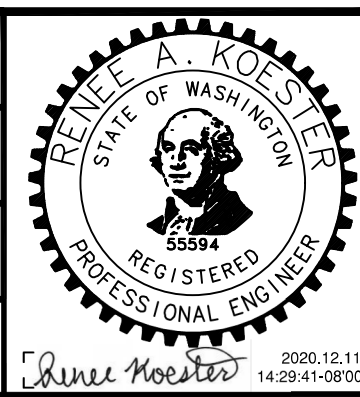
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E07-LHP001
E07-LHP003

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ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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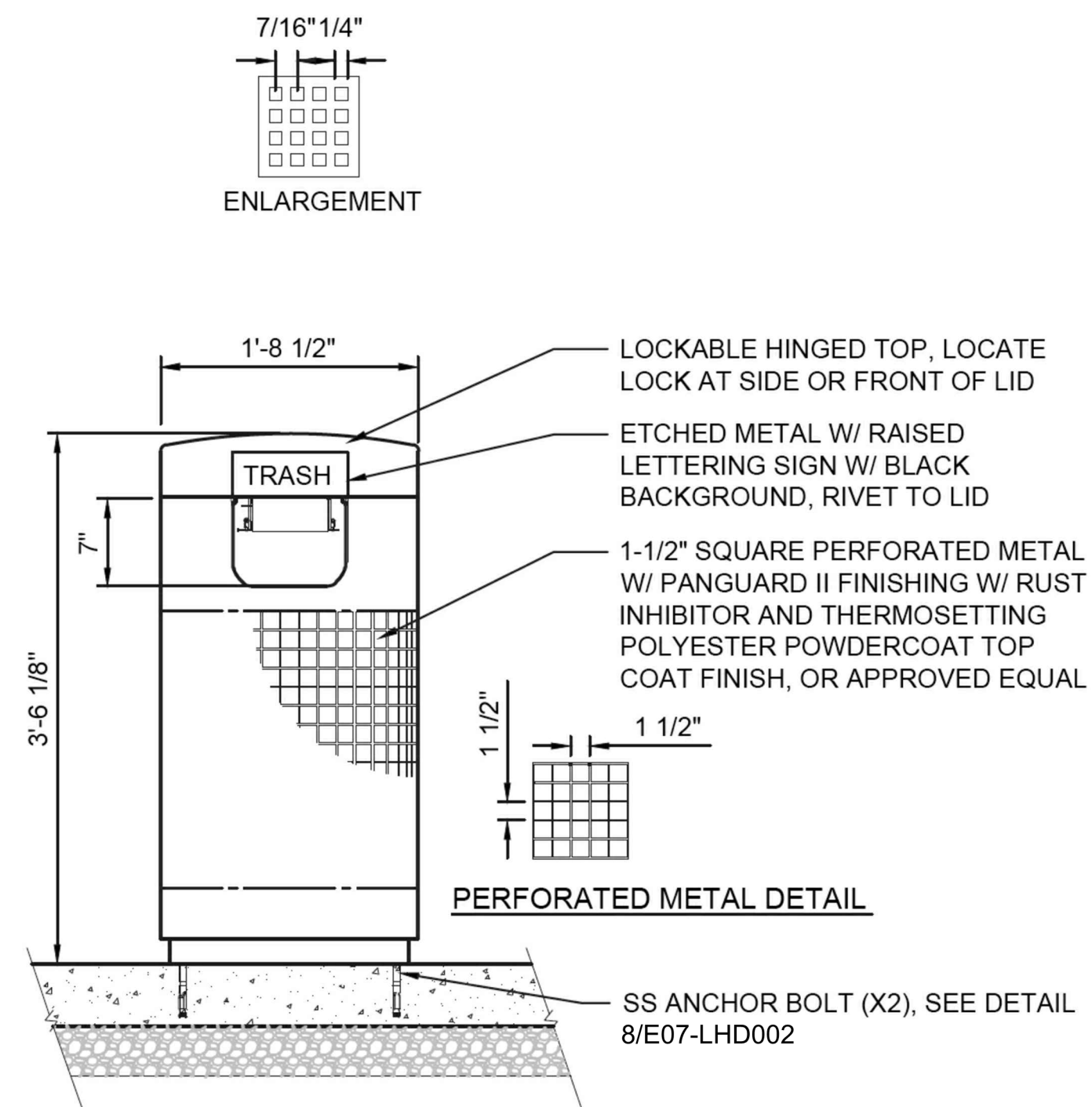


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FILENAME:
E135-E07-LHD001-002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
HARDSCAPE DETAILS

DRAWING No.:
E07-LHD001
LOCATION ID:
E07
SHEET No.: 92 OF 104
REV: 0

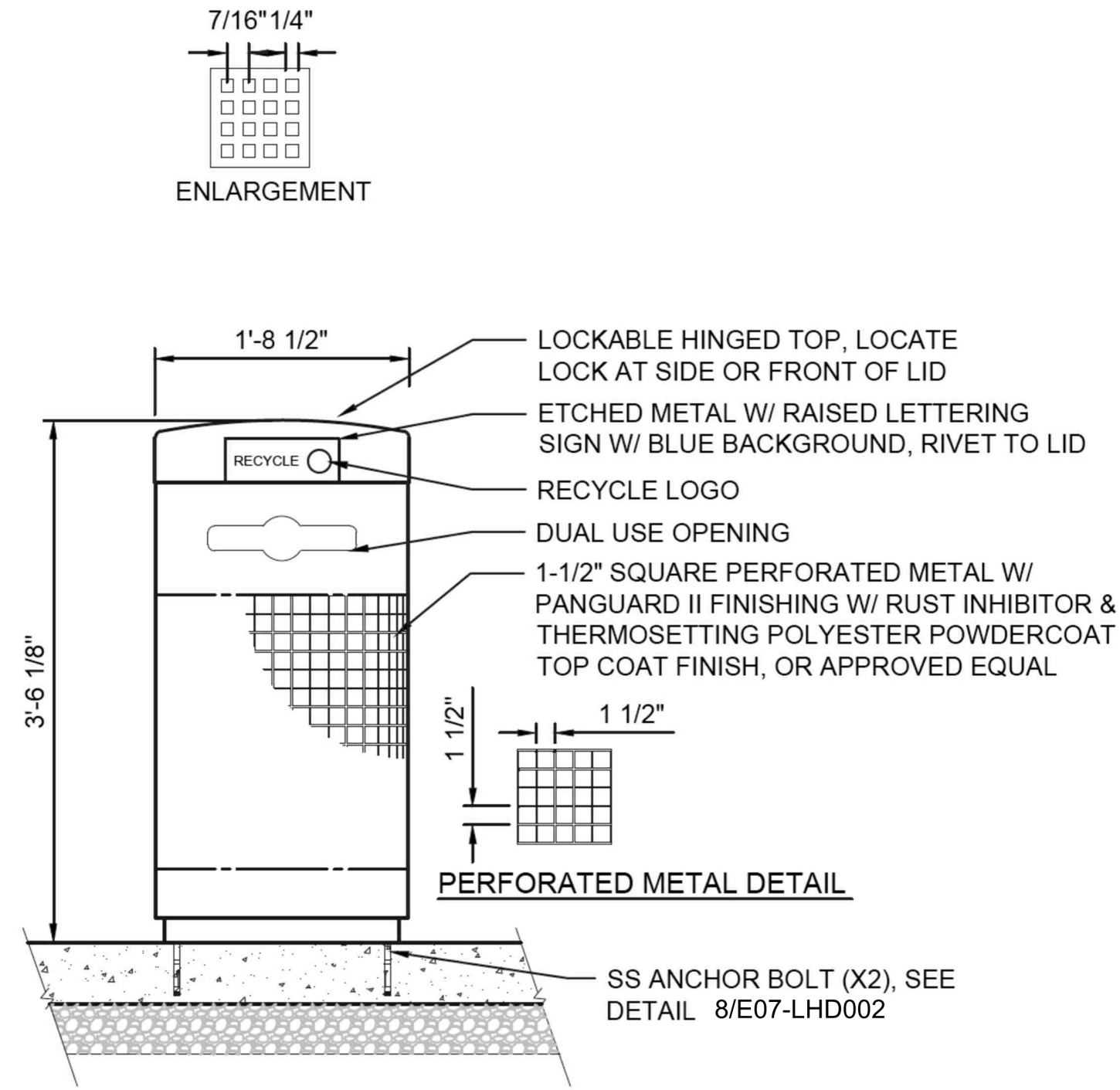
SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



TRASH RECEPTACLE

NTS

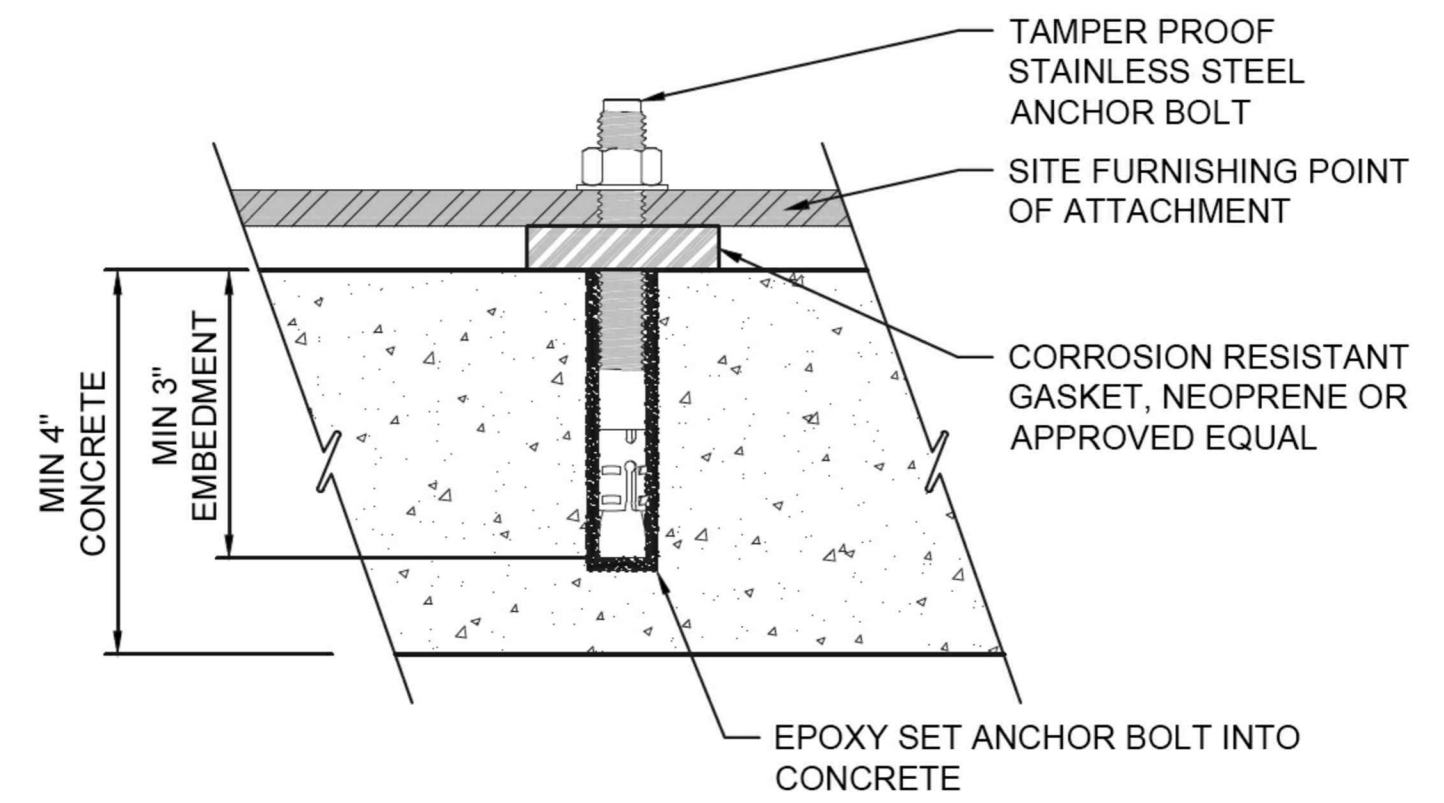
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E07-LHP003



RECYCLING RECEPTACLE

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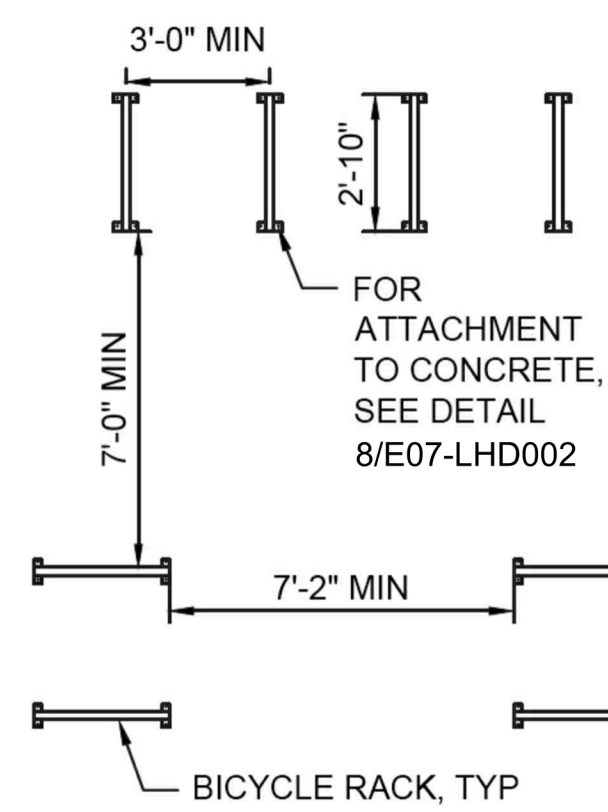
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E07-LHP003



ANCHOR BOLT

NTS

8
-



| FIXED OBJECT | MIN DISTANCE TO BIKE RACK (X) |
|---|-------------------------------|
| SIDEWALK OBSTRUCTIONS AND STREET ENCROACHMENTS | 3'-0" |
| TRANSIT BOARDING AREAS, LOADING ZONES, DISABLED PARKING, CURB RAMPS, CROSSWALKS, AND STORM DRAIN INLETS | 4'-0" |
| FIRE HYDRANTS | 5'-0" |

NOTES:

1. BICYCLE RACK TO BE SURFACE MOUNTED.
2. ALL STEEL COMPONENTS TO BE POWDER COATED.

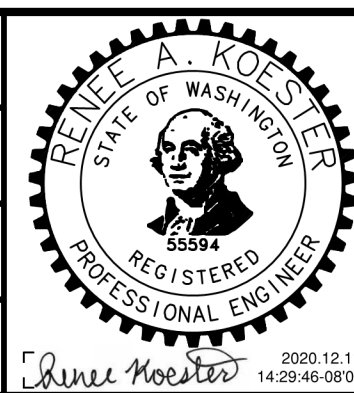
BICYCLE RACK

NTS

9
E07-LHP003

ISSUED FOR BID

DESIGNED BY:
R. KOESTER
DRAWN BY:
O. AHRENSFELD
CHECKED BY:
M. FELIBERTI
APPROVED BY:
A. WILEN



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LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-LHD001-002
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
HARDSCAPE DETAILS

DRAWING No.:
E07-LHD002
LOCATION ID:
E07
SHEET No.:
93 OF 104
REV:
0

LANDSCAPE NOTES:

1. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. MAINTAIN LANDSCAPE PROTECTION FENCING IN PLACE THROUGHOUT DURATION OF CONSTRUCTION.
3. SEE SURVEY FOR EXISTING CONDITIONS
4. ANY DISCREPANCIES WITH THE DRAWINGS OR SPECIFICATIONS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. PLANT MATERIAL LOCATIONS SHALL BE COORDINATED WITH IRRIGATION TO AVOID ANY CONFLICTS.
6. INSTALL GROUNDCOVERS IN A TRIANGULAR PATTERN AT SPACING SHOWN IN THE PLANT SCHEDULE. WHERE GROUNDCOVER ABUTS CURBING, WALLS, OR WALKS, MINIMUM PLANTING DISTANCE SHALL ½ SPECIFIED SPACING FROM SAME, UNLESS OTHERWISE NOTED. INSTALL GROUNDCOVERS CONTINUOUS IN BETWEEN SHRUB PLANTINGS AND TREES.
7. FINISHED, SETTLED GRADE OF TOPSOIL IN LAWN AREAS SHALL BE 1" BELOW ADJACENT HARDSCAPE. FINISHED, SETTLED GRADE IN MULCH AREAS SHALL BE FLUSH WITH ADJACENT HARDSCAPE UNLESS OTHERWISE NOTED.
8. MEET AND MATCH EXISTING PLANTING AREAS TO REMAIN WITH A SMOOTH TRANSITION.
9. SEE PLANTING SCHEDULE FOR PLANT SYMBOLS. FIELD STAKE OR MARK PLANTING LAYOUT FOR APPROVAL BY RESIDENT ENGINEER PRIOR TO PLANTING.
10. CONTRACTOR SHALL SUBMIT COLOR PHOTOGRAPHS OF REPRESENTATIVE SPECIMENS OF EACH TYPE OF PLANT ON THE PLANT SCHEDULE FOR RESIDENT ENGINEER REVIEW AND APPROVAL PRIOR TO DELIVERY TO THE PROJECT SITE. PHOTOS SHALL BE MINIMUM 3 X 5 INCHES AND MINIMUM 150 DPI IN DIGITAL FORMAT. PHOTOGRAPHS SHALL BE TAKEN FROM AN ANGLE THAT DEPICTS THE CONDITION OF FOLIAGE, THE ROOTBALL AND SIZE OF EACH TYPICAL PLANT TO BE FURNISHED. A SCALED ROD, CALIPER MEASUREMENT OR OTHER MEASURING DEVICE SHALL BE INCLUDED IN THE PHOTOGRAPH. FOR SPECIES WHERE MORE THAN TWENTY (20) PLANTS ARE REQUIRED, INCLUDE A MINIMUM OF THREE (3) PHOTOS THAT SHOW THE AVERAGE PLANT, THE BEST QUALITY PLANT, AND THE WORST QUALITY PLANT TO BE PROVIDED. LABEL EACH PHOTOGRAPH WITH THE PLANT NAME, PLANT SIZE, AND NAME OF THE GROWING NURSERY. APPROVAL OF THE TREE FOR DELIVERY TO THE SITE DOES NOT GUARANTEE FINAL ACCEPTANCE OF THE PLANT MATERIAL. THE RESIDENT ENGINEER RESERVES THE RIGHT TO REJECT ANY OR ALL PLANT MATERIAL AT ANY TIME UNTIL FINAL ACCEPTANCE.
11. CONTRACTOR SHALL COORDINATE WITH RESIDENT ENGINEER TO SCHEDULE INITIAL INSPECTION OF PLANT MATERIAL ONCE IT IS DELIVERED. THIS INSPECTION WILL INCLUDE REVIEW FOR OVERALL PLANT HEALTH, GOOD BRANCH STRUCTURE, AND APPROPRIATE ROOT STRUCTURE. CONTRACTOR SHALL ASSIST RESIDENT ENGINEER IN EXCAVATING A REPRESENTATIVE ROOTBALL OF EACH TREE SPECIES PER SOURCE (NURSERY), WHICH MAY INCLUDE REMOVAL OF SOIL WITH WATER. THE RESIDENT ENGINEER MAY REJECT PLANTS BASED ON POOR QUALITY OF ROOT OR BRANCH STRUCTURE, OR MAY REQUIRE CONTRACTOR TO DO CORRECTIVE PRUNING, AT THE RESIDENT ENGINEER'S DISCRETION.
12. PLANTING SOIL SHALL MEET REQUIREMENTS OF TOPSOIL TYPE A. SEE SPECIFICATIONS.
13. COMPOST SHALL MEET REQUIREMENTS OF FINE COMPOST PER STANDARD SPECIFICATIONS SECTION.
14. MULCH SHALL MEET REQUIREMENTS OF BARK OR WOODCHIP MULCH PER STANDARD SPECIFICATIONS SECTION 9-14.5(3).

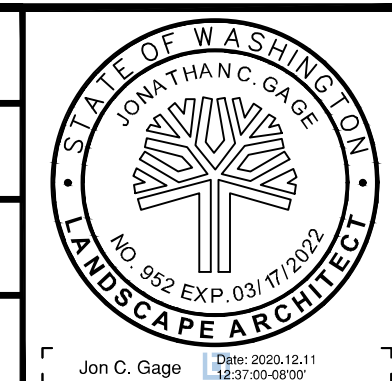
IRRIGATION NOTES:

1. ALL EXISTING IRRIGATION EQUIPMENT DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR WATERING LANDSCAPE PLANTS TO MAINTAIN THEIR GROWTH UNTIL IRRIGATION IS RESTORED. PLANTS DAMAGED FROM LACK OF WATER MUST BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
2. VALVES, MAINLINES, LATERAL LINES, AND POINT OF CONNECTION ARE SHOWN SCHEMATICALLY FOR GRAPHIC PURPOSES. IRRIGATION EQUIPMENT SHALL REMAIN CLEAR OF ALL PAVEMENT, WALLS, TREES, AND OTHER EXISTING AND PROPOSED SITE ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS OR DIRECTLY BY THE RESIDENT ENGINEER. ALL IRRIGATION INSTALLATION SHALL BE IN LANDSCAPE PLANTING AREA EXCEPT WHERE IRRIGATION CROSSES BELOW HARDSCAPE.
3. SLEEVING IS REQUIRED FOR ALL IRRIGATION LINES AND CONTROL WIRES UNDER NEW AND EXISTING PAVEMENTS, WALLS, CURBS, ETC. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SLEEVING INSTALLATION AND SPECIFIC LOCATIONS FOR COMPLETE INSTALLATION OF WORK. ALL SLEEVING SHALL BE AS INDICATED ON DRAWINGS. IF NOT SHOWN, SLEEVE SHALL BE 2 TIMES THE DIAMETER OF INSERTED IRRIGATION PIPE. ELECTRICAL WIRES UNDER PAVEMENT SHALL BE SLEEVED IN MINIMUM 2" PVC CONDUIT. PLACE NO ELLS OR TEES BELOW PAVING.
4. CONTROLLER SHALL BE LOCATED AS SHOWN ON PLANS. COORDINATE WITH OTHER DISCIPLINES FOR WATER MAIN CONNECTION, ROUTING OF PIPING, AND ELECTRICAL SOURCE AND WIRING FOR CONTROLLER UNIT.
5. MAINLINE PIPING LAYOUT, SLEEVES, AND VALVE LOCATIONS SHALL BE STAKED IN FIELD BY CONTRACTOR. STAKING AND MAINLINE PRESSURE SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
6. STATIC WATER PRESSURE AT POC IS 75 PSI. CONTRACTOR TO VERIFY PRESSURE PRIOR TO BEGINNING WORK. SUBMIT RESULTS TO THE RESIDENT ENGINEER PRIOR TO INSTALLATION OF WORK. CONFIRM AVAILABLE WATER PRESSURE IS SUFFICIENT TO OPERATE SYSTEM EFFICIENTLY. CONTRACTOR SHALL SIZE AND PROVIDE BOOSTER PUMP (IF NECESSARY) TO ACHIEVE REQUIREMENTS PER CONTRACT DOCUMENTS.
7. ALIGN VALVE BOXES SQUARE TO EACH OTHER AND WITH EDGE OF ADJACENT CURB, PAVEMENT, OR BUILDING. LOCATE VALVE BOXES MINIMUM 12" FROM CURBS, WALKS, AND PATHWAYS.
8. DRIP IRRIGATION TUBING SHALL BE ADJUSTED FOR PLANT ROOT BALLS, 4" MINIMUM CLEARANCE FROM WALKS. ENSURE ALL PLANTS HAVE NEARBY EMITTERS TO RECEIVE SUFFICIENT WATER.
9. DRIP SYSTEM SHALL HAVE FLUSH VALVES, FILTERS, AND APPLICABLE ACCESSORIES AS REQUIRED BY THE MANUFACTURER.
10. FLUSH VALVES AND SHUT OFF VALVES ARE SCHEMATICALLY LOCATED ON PLAN. CONTRACTOR SHALL VERIFY HIGH AND LOW SPOTS IN THE SYSTEM TO ACCURATELY LOCATE VALVES.
11. SEE IRRIGATION SCHEDULE FOR IRRIGATION SYMBOLS.
12. USE 6" POP-UP HEADS IN ALL TURF AREAS, AND 12" POP-UP HEADS IN ALL SHRUB AND GROUNDCOVER AREAS.
13. COORDINATE POWER TO CONTROLLER AND CONTROLLER COMPONENTS. TEMPORARY POWER MAY BE REQUIRED FOR SYSTEMS OPERATION.
14. ALL PLANTED AREAS TO BE IRRIGATED AS INDICATED ON PLAN. CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO THE IRRIGATION PLAN TO ASSURE COMPLETE AND ADEQUATE COVERAGE AND TO ELIMINATE OVERSPRAY ON ADJACENT PAVEMENT, BUILDINGS, FENCES ETC. SEE CORRESPONDING PLANTING PLAN FOR PLANTING LAYOUT.
15. ALL WORK WITHIN CRITICAL ROOT ZONES OF EXISTING TREES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS SECTION 015639 ON TREE PROTECTION. ROUTE IRRIGATION LINES AROUND OR UNDER EXISTING TREE ROOTS OR AS DETAILED IN THE SPECIFICATIONS. TRENCHES HAVING EXPOSED TREES ROOTS SHALL BE BACK FILLED WITHIN 24 HOURS UNLESS ADEQUATELY PROTECTED BY MOIST SOIL OR MULCH AS APPROVED BY RESIDENT ENGINEER. ALL TRENCHING WITHIN DRIPLINE OF EXISTING TREE TO REMAIN SHALL BE DUG BY HAND. NO ROOTS OVER 2" DIAMETER SHALL BE CUT UNLESS OTHERWISE APPROVED BY RESIDENT ENGINEER. ROOTS LESS 2" DIAMETER SHALL BE CLEAN CUT AND DRESSED.

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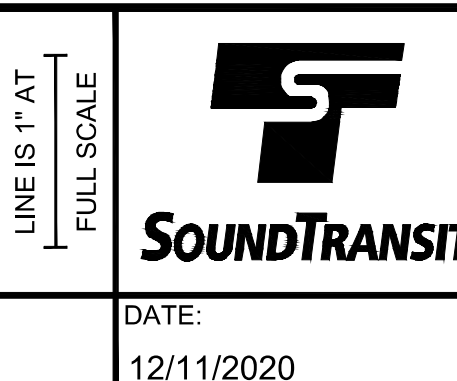
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| ISSUED FOR BID | | | | | |
| No. | DATE | DSN | CHK | APP | REVISION |
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| | | | | | |
| | | | | | |

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
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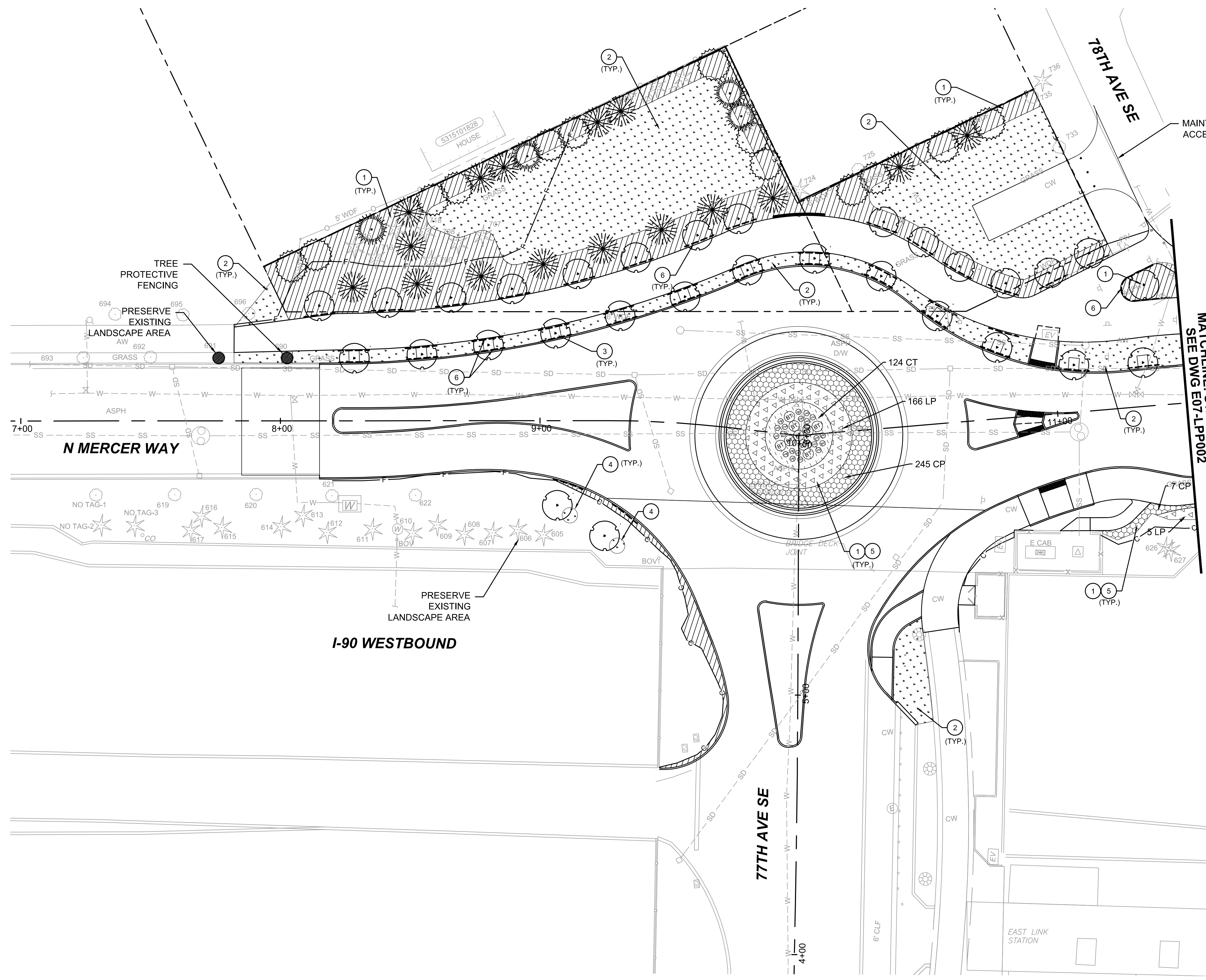


SCALE: NTS
FILENAME: E135-E07-LPN001
CONTRACT No.: RTA/AE 0072-19
DATE: 12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY

LANDSCAPE NOTES

DRAWING No.: E07-LPN001
LOCATION ID: E07
SHEET No.: 94 OF 104 REV: 0



LANDSCAPE NOTES:

- ① PREPARE PLANTING BEDS WITH PLANTING AREA SOIL AS PER DETAIL 1, DRAWING NO. E07-LPD002.
- ② PREPARE ALL SOD LAWN AREA SOILS PER DETAIL 3, DRAWING NO. E07-LPD002.
- ③ PREPARE ALL STREET TREE PLANT PITS PER DETAIL 1, DRAWING NO. E07-LPD001
- ④ RESTORE DISTURBED AREAS PER DETAIL 2, DRAWING NO. E07-LPD002.
- ⑤ INSTALL GROUNDCOVERS AND / OR SHRUBS PER DETAILS 4 AND 5, DRAWING NO. E07-LPD0001.
- ⑥ INSTALL ROOT BARRIER PER DETAIL 1, DRAWING NO. E07-LPD001.

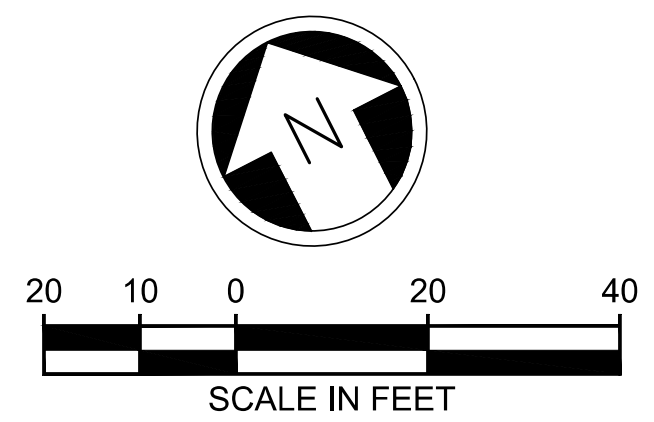
GENERAL NOTES

1. SEE DRAWING NO. E07-LPP002 FOR PLANTING SCHEDULE, PLANT SYMBOLS AND HATCH LEGEND.
2. SEE DRAWING NO. E07-LPD002 FOR SOIL PREPARATION.
3. SEE DRAWING NO. E07-LPD001 FOR PLANTINGS DETAILS.
4. SEE DRAWING NOS. E07-CRP001 THROUGH E07-CRP003, ROADWAY AND PAVING PLAN FOR HARDSCAPING.
5. SEE DRAWING NOS. E07-LRP001 THROUGH E07-LRP003 FOR IRRIGATION PLAN.

LEGEND

- SOD
- BARK OR WOOD CHIP MULCH
- ROOT BARRIER
- EXISTING EVERGREEN TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO REMAIN

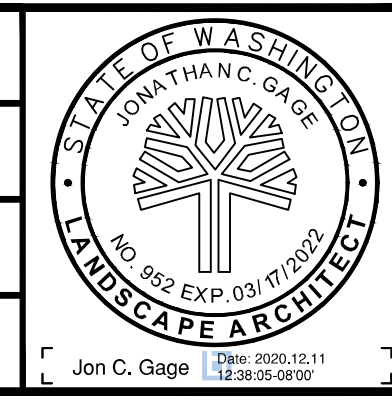
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ISSUED FOR BID

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J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
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J. GAGE



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SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

LINE IS 1" AT FULL SCALE

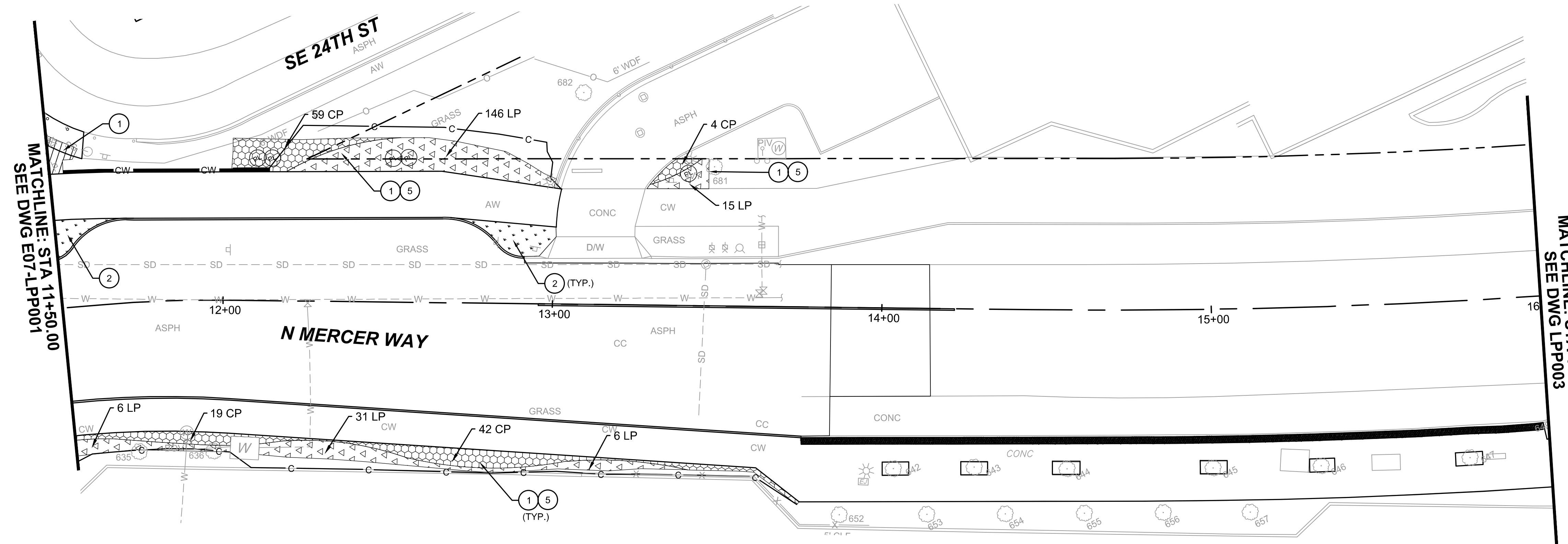


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12/11/2020

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FILENAME:
E135-E07-LPP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LANDSCAPE PLAN

DRAWING No.:
E07-LPP001
LOCATION ID:
E07
SHEET No.:
95 OF 104
REV:
0



- LANDSCAPE NOTES:**
- 1 PREPARE PLANTING BEDS WITH PLANTING AREA SOIL AS PER DETAIL 1, DRAWING NO. E07-LPD002.
 - 2 PREPARE ALL SOD LAWN AREA SOILS PER DETAIL 3, DRAWING NO. E07-LPD002.
 - 5 INSTALL GROUNDCOVERS AND / OR SHRUBS PER DETAILS 4 AND 5, DRAWING NO. E07-LPD0001.

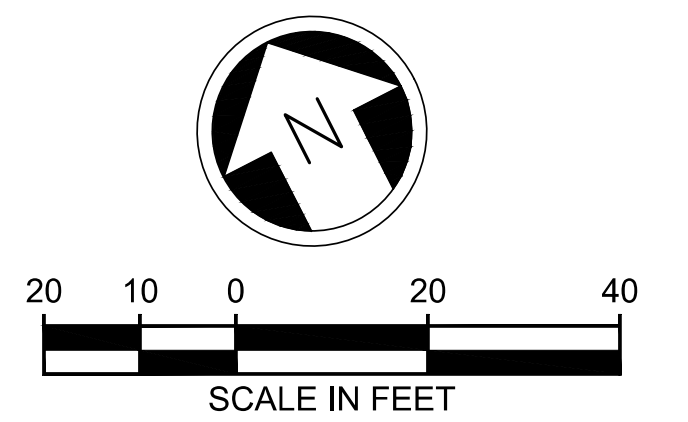
- GENERAL NOTES**
1. SEE DRAWING NO. E07-LPP002 FOR PLANTING SCHEDULE, PLANT SYMBOLS AND HATCH LEGEND.
 2. SEE DRAWING NO. E07-LPD002 FOR SOIL PREPARATION.
 3. SEE DRAWING NO. E07-LPD001 FOR PLANTINGS DETAILS.
 4. SEE DRAWING NOS. E07-CRP001 THROUGH E07-CRP003, ROADWAY AND PAVING PLAN FOR HARDSCAPING.
 5. SEE DRAWING NOS. E07-LRP001 THROUGH E07-LRP003 FOR IRRIGATION PLAN.

PLANTING SCHEDULE

| BOTANICAL NAME | COMMON NAME | SIZE | COND | SPACING | QTY | REMARKS | * USDA PLANT HARDINESS ZONE | DROUGHT TOLERANT |
|--|--------------------------------|--------------|-------|----------|----------|---------------------|-----------------------------|------------------|
| TREES | | | | | | | | |
| PINUS CONTORTA | SHORE PINE | 8' HT. MIN. | B&B | PER PLAN | 4 | WELL BRANCHED | 4 - 10, NATIVE | YES |
| CALOCEDRUS DECURRENS | INCENSE CEDAR | 8' HT. MIN. | B&B | PER PLAN | 16 | WELL BRANCHED | 5 - 8 | YES |
| THUJA PLICATA 'HOGAN' | HOGAN CEDAR | 8' HT. MIN. | B&B | PER PLAN | 13 | WELL BRANCHED | 6 - 8 | NO |
| PARROTIA PERSICA | PERSIAN SPIRE PARROTIA | 2" CAL. MIN. | B&B | PER PLAN | 30 | WELL BRANCHED | 5 | YES |
| CARPINUS BETULUS 'FASTIGIATA' | COLUMNAR HORNBEAM | 2" CAL. MIN. | B&B | PER PLAN | 12 | WELL BRANCHED | 4 - 8b | YES |
| POPULUS TREMULATA 'ERECTA' | SWEDISH COLUMNAR ASPEN | 2" CAL. MIN. | B&B | PER PLAN | 12 | WELL BRANCHED | 2 - 5 | NO |
| SHRUBS | | | | | | | | |
| ACER CIRCINATUM | VINE MAPLE | 8' HT. MIN. | B&B | PER PLAN | 29 | MULTI-LEADER | 5 - 9, NATIVE | YES |
| COTONEASTER LACTEUS | PARNEY COTONEASTER | 25" - 36" | 5 GAL | 5' OC | 99 | FULL, WELL BRANCHED | 6 - 8 | YES |
| PHILADELPHUS LEWISII | MOCK ORANGE | 25" - 36" | 5 GAL | PER PLAN | 5 | FULL, WELL BRANCHED | 4 - 7, NATIVE | YES |
| BERBERIS THUNBERGII 'O'BYRNE' | SUNJOY TANGELO BARBERRY | 18" - 24" | 2 GAL | PER PLAN | 9 | FULL, WELL BRANCHED | 4 - 8 | YES |
| PINUS MUGO 'CARSTEN'S WINTERGOLD' | CARSTEN'S WINTERGOLD MUGO PINE | 18" - 24" | 2 GAL | PER PLAN | 20 | FULL, WELL BRANCHED | 2 - 7 | YES |
| CISTUS x PULVERULENTUS 'SUNSET' | MAGENTA ROCK ROSE | 8" - 12" | 1 GAL | 24" OC | 668 | FULL, WELL BRANCHED | 8 - 11 | YES |
| LONICERA PILEATA | HONEYSUCKLE | 8" - 12" | 1 GAL | 24" OC | 562 | FULL, WELL BRANCHED | 6 - 8 | YES |
| EUONYMUS ALATUS 'LITTLE MOSES' | LITTLE MOSES BURNING BUSH | 8" - 12" | 1 GAL | 30" OC | 794 | FULL, WELL BRANCHED | 4 - 9 | YES |
| GROUNDCOVER / GRASSES | | | | | | | | |
| CAREX COMANS 'FROSTED CURLS' | NEW ZEALAND HAIR GRASS | 8" - 12" | 1 GAL | 24" OC | 496 | FULL | 6 - 10 | NO |
| PRUNUS LAUROCERASUS 'MOUNT VERNON' | MOUNT VERNON LAUREL | 8" - 12" | 1 GAL | 24" OC | 861 | FULL, WELL BRANCHED | 6 - 9 | NO |
| CEANOTHUS THYRSIFLORUS var. THYRSIFLORUS 'LOUIS EDMONDS' | BLUE BLOSSOM CEANOTHUS | 4" - 6" | 1 GAL | 24" OC | 124 | FULL, WELL BRANCHED | 4 - 9 | YES |
| | | | | | 6,438 SF | | | |
| ROCK MATERIAL | | | | | | | | |
| STREAMBED BOULDER 6-MAN | | 54" - 60" | | | 11 | | | |
| STREAMBED BOULDER 4-MAN | | 36" - 48" | | | 9 | | | |

* NOTE:
USDA PLANT HARDINESS ZONE FOR MERCER ISLAND, WA IS ZONE 8b

- LEGEND**
- SOD
 - BARK OR WOOD CHIP MULCH
 - ROOT BARRIER
 - EXISTING EVERGREEN TREE TO REMAIN
 - EXISTING DECIDUOUS TREE TO REMAIN



ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
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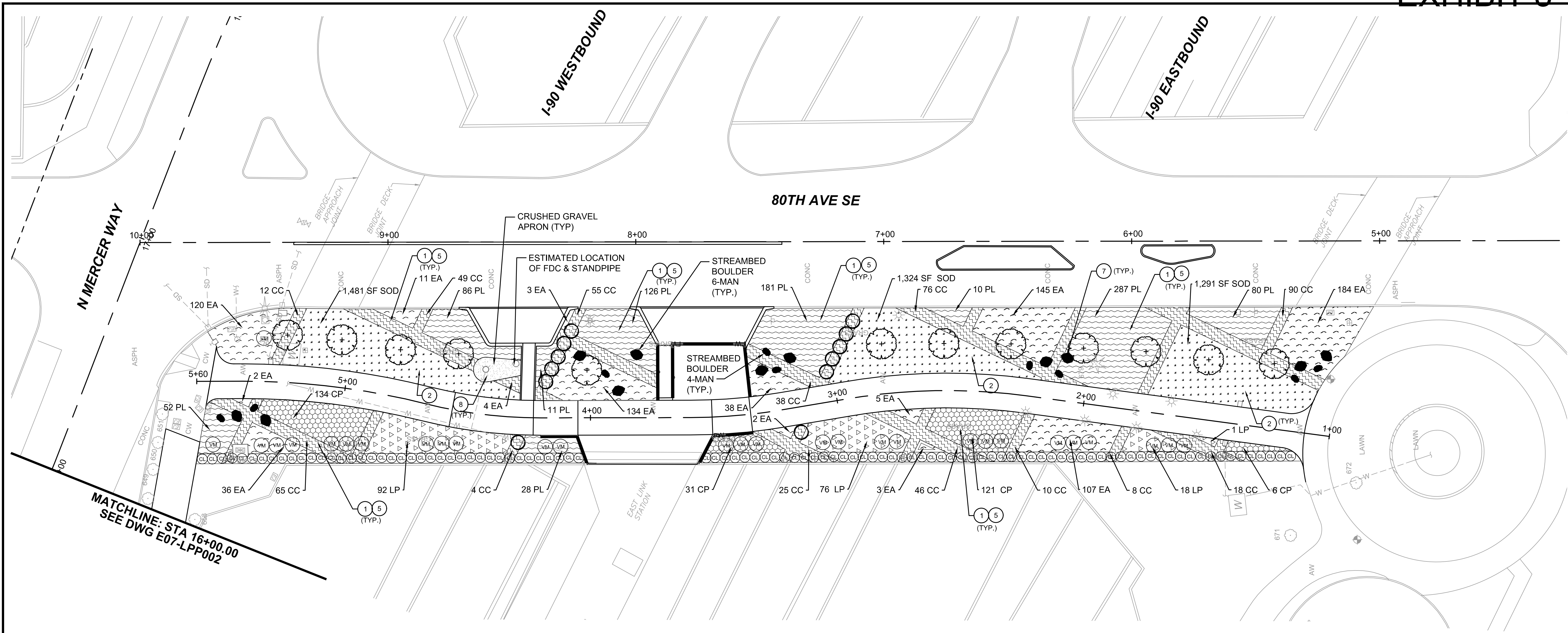
REVIEWED BY:
M. LU
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SCALE:
1" = 20'
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E135-E07-LPP001-003
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**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LANDSCAPE PLAN

DRAWING No.:
E07-LPP002
LOCATION ID:
E07
SHEET No.:
96 OF 104
REV:
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LANDSCAPE NOTES:

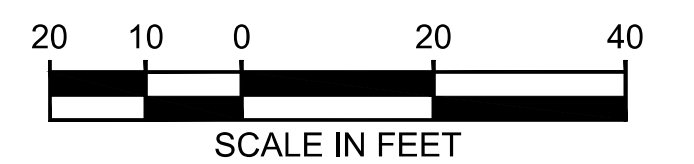
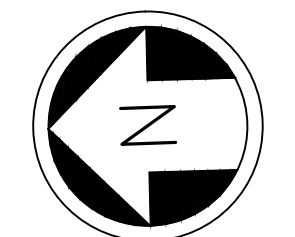
- ① PREPARE PLANTING BEDS WITH PLANTING AREA SOIL AS PER DETAIL 1, DRAWING NO. E07-LPD002.
- ② PREPARE ALL SOD LAWN AREA SOILS PER DETAIL 3, DRAWING NO. E07-LPD002.
- ⑤ INSTALL GROUNDCOVERS AND / OR SHRUBS PER DETAILS 4 AND 5, DRAWING NO. E07-LPD0001.
- ⑦ INSTALL STREAMBED BOULDERS PER DETAIL 6, DRAWING NO. E07-LPD001.
- ⑧ INSTALL CRUSHED GRAVEL GROUNDCOVER PER DETAIL 3, DRAWING NO. E07-LPD002.

GENERAL NOTES

- 1. SEE DRAWING NO. E07-LPP002 FOR PLANTING SCHEDULE, PLANT SYMBOLS AND HATCH LEGEND.
- 2. SEE DRAWING NO. E07-LPD002 FOR SOIL PREPARATION.
- 3. SEE DRAWING NO. E07-LPD001 FOR PLANTINGS DETAILS.
- 4. SEE DRAWING NOS. E07-CRP001 THROUGH E07-CRP003, ROADWAY AND PAVING PLAN FOR HARDSCAPING.
- 5. SEE DRAWING NOS. E07-LRP001 THROUGH E07-LRP003 FOR IRRIGATION PLAN.

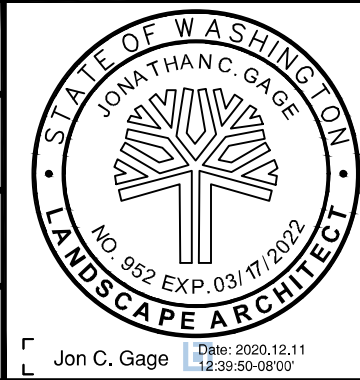
LEGEND

- SOD
- CRUSHED GRAVEL
- BARK OR WOOD CHIP MULCH
- STREAMBED BOULDER 4-MAN
- STREAMBED BOULDER 6-MAN
- ROOT BARRIER
- EXISTING EVERGREEN TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO REMAIN



ISSUED FOR BID

DESIGNED BY:
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DRAWN BY:
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CHECKED BY:
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APPROVED BY:
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LINE IS 1" AT FULL SCALE



SCALE:
1" = 20'
FILENAME:
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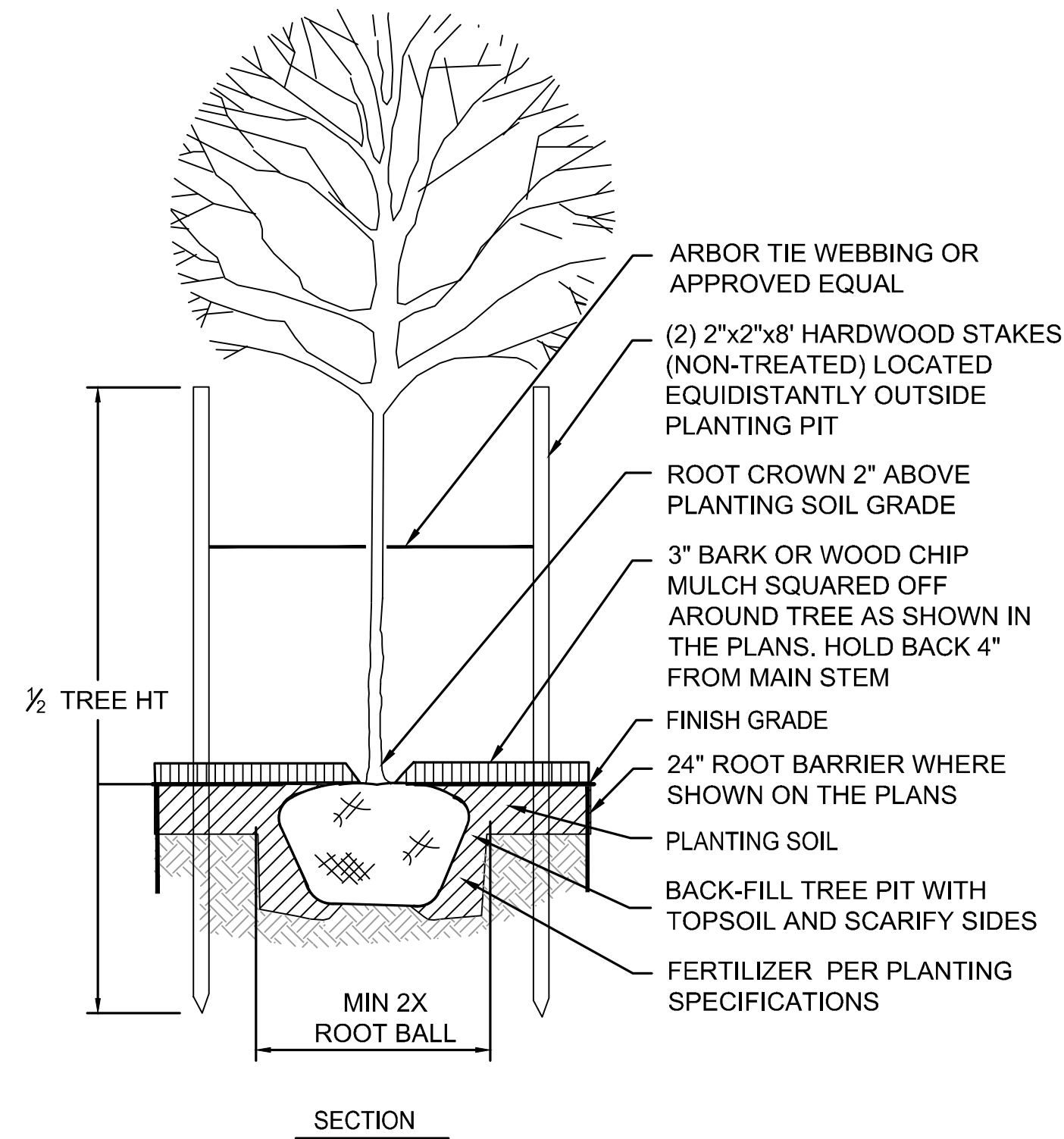
**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LANDSCAPE PLAN

DRAWING No.:
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97 OF 104
REV:
0

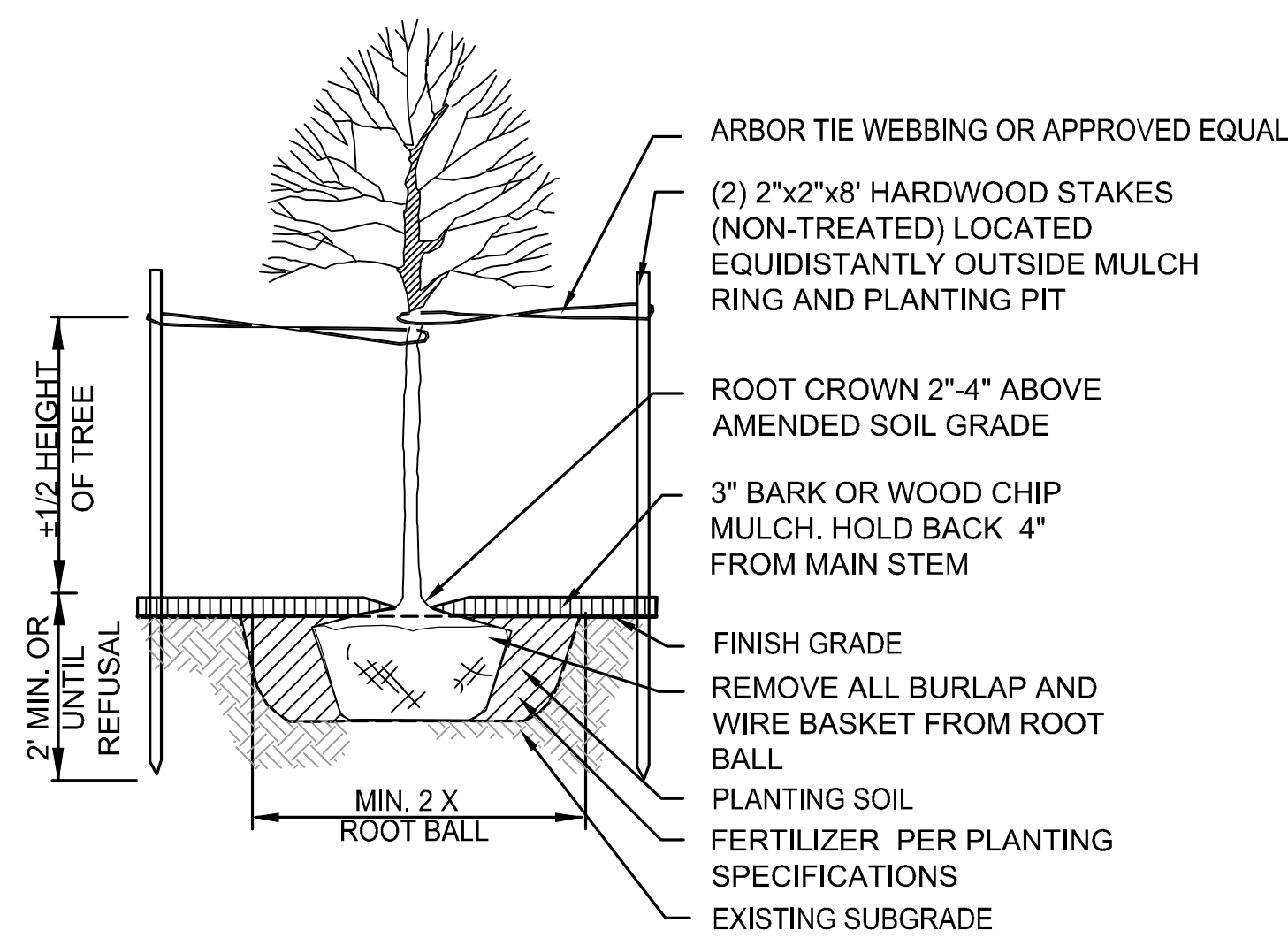
SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020

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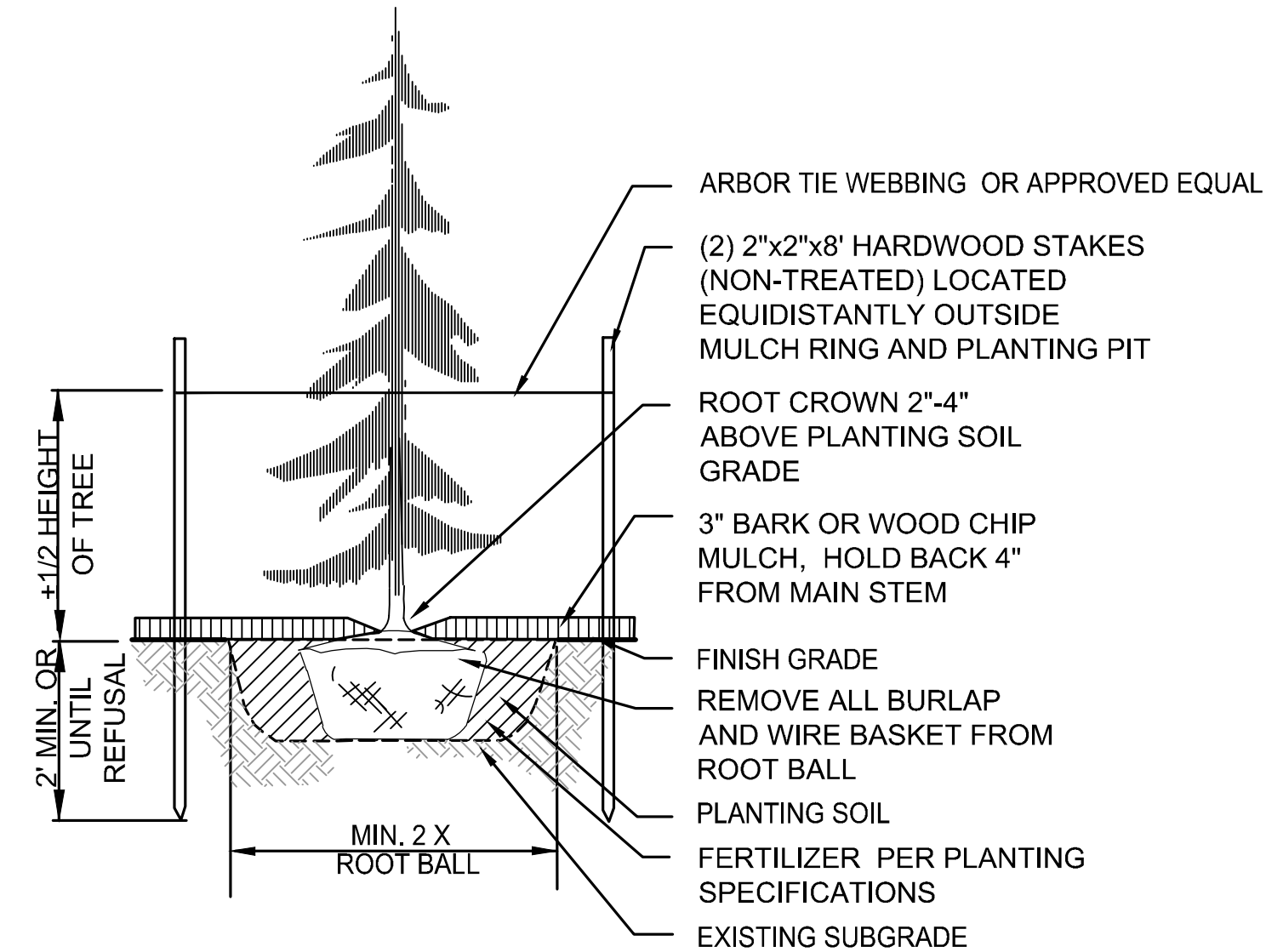
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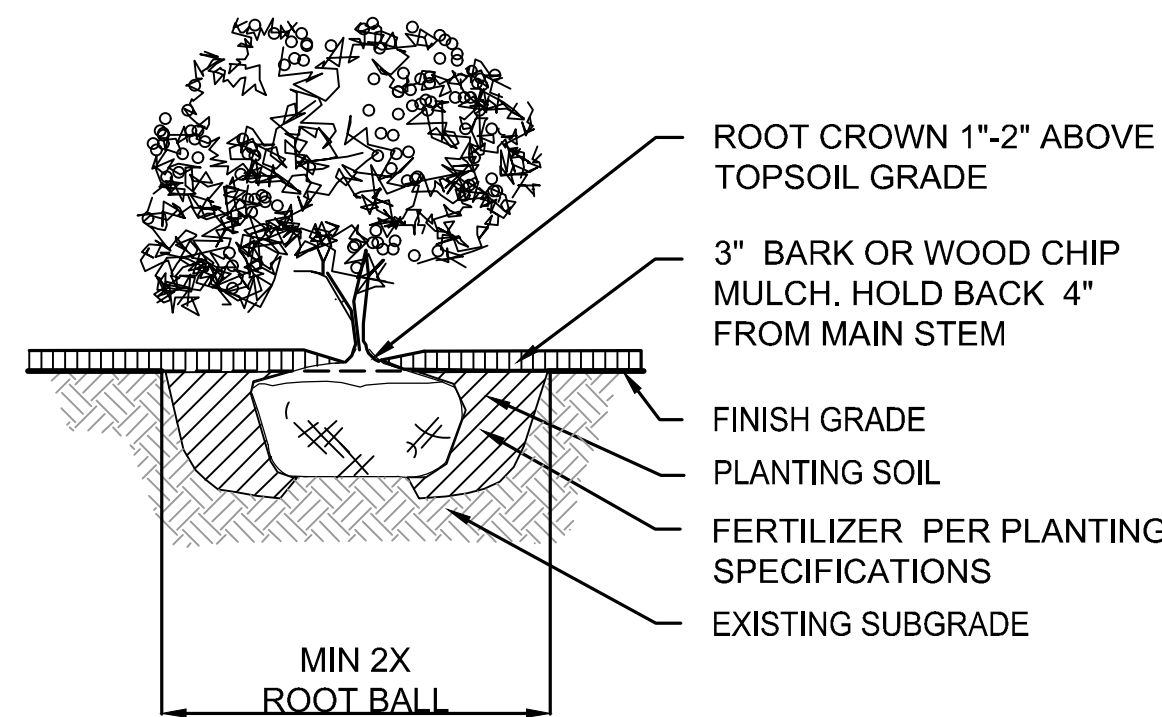
STREET TREE PLANTING 1
NTS E07-LPP001



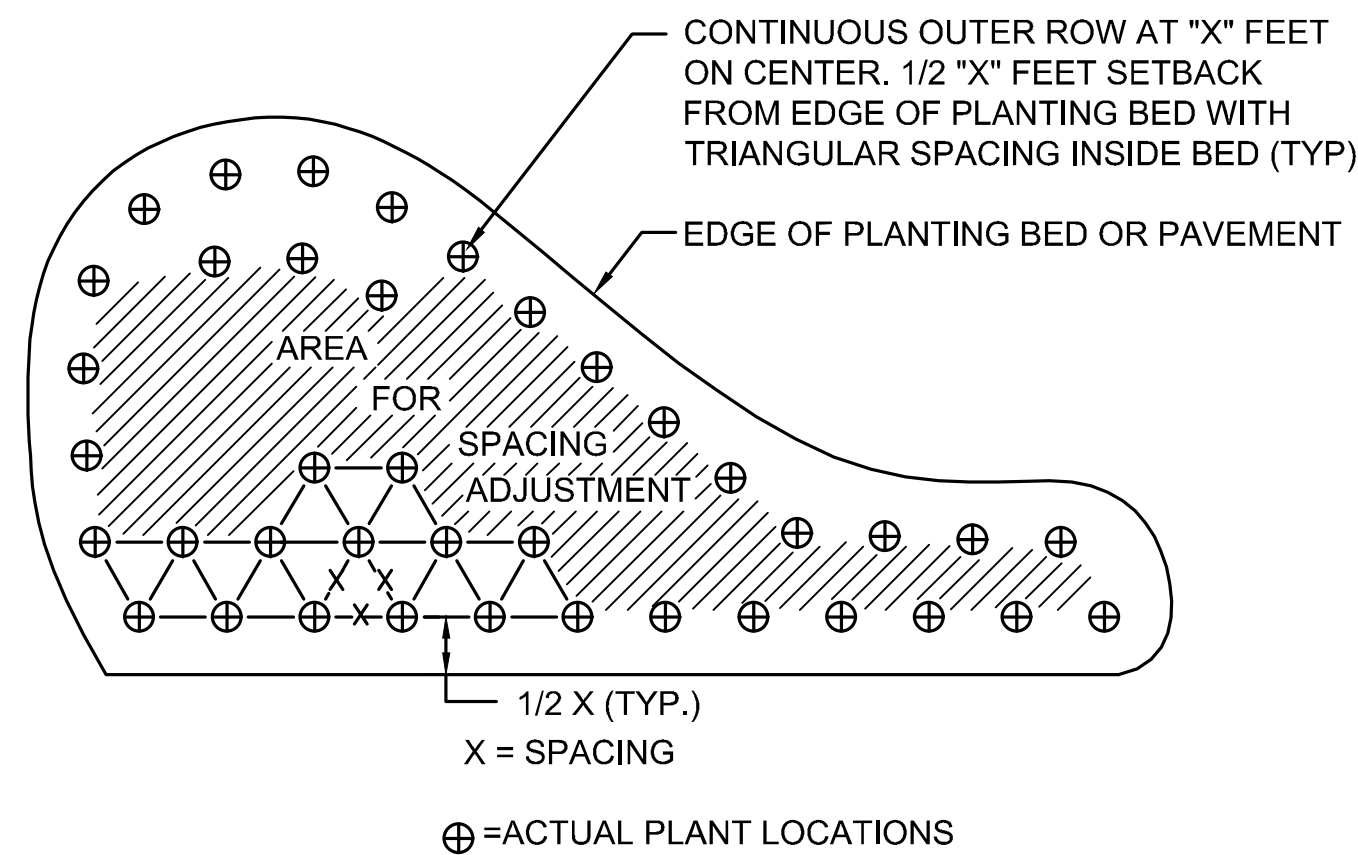
DECIDUOUS TREE PLANTING 2
NTS E07-LPP001
E07-LPP003



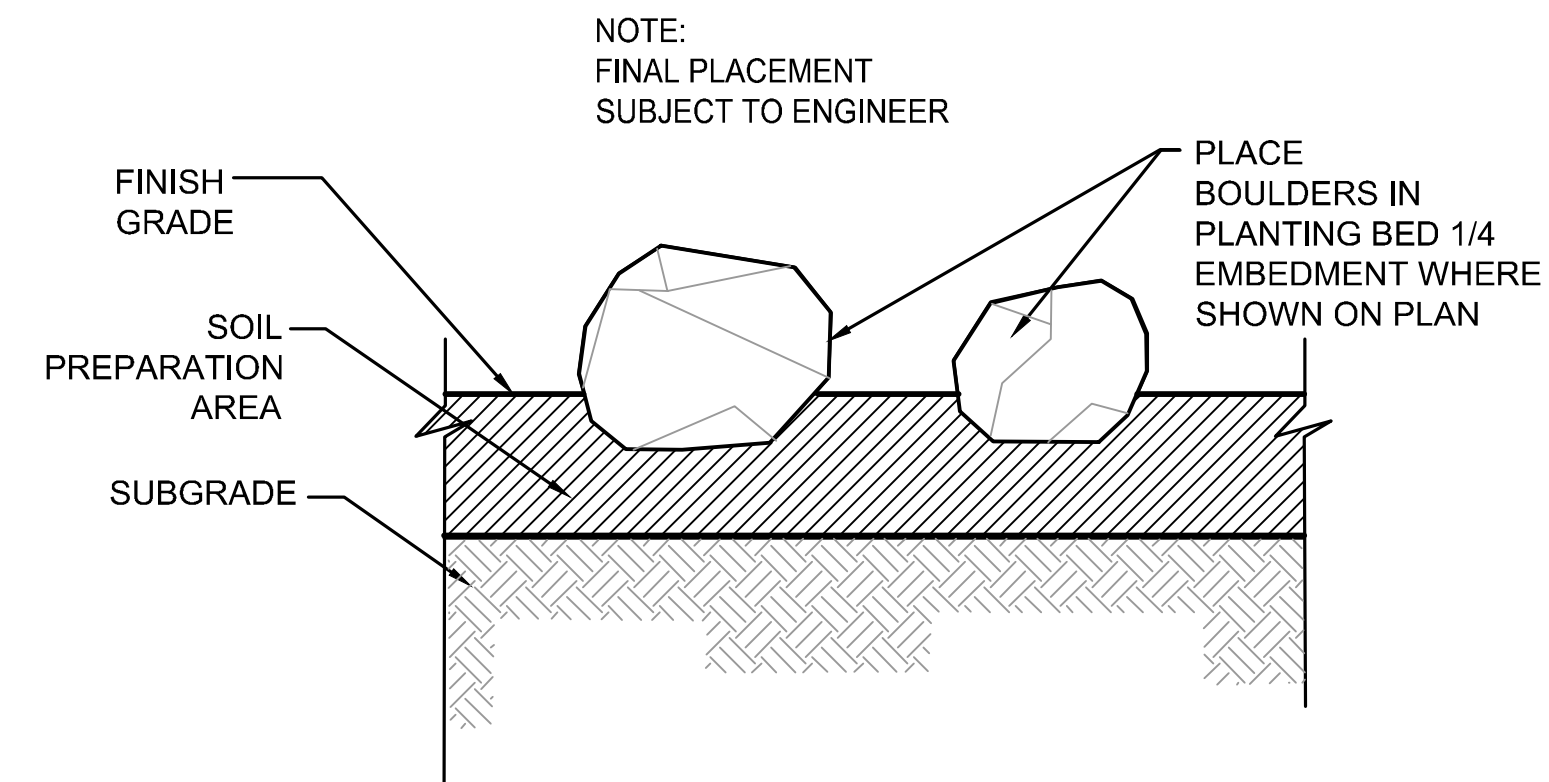
EVERGREEN TREE PLANTING 3
NTS E07-LPP001



SHRUB PLANTING 4
NTS E07-LPP001
E07-LPP002
E07-LPP003



PLANT SPACING 5
NTS E07-LPP001
E07-LPP002
E07-LPP003



STREAMBED BOULDER 6
NTS E07-LPP003

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ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
J. GAGE



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-LPD001-002
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LANDSCAPE DETAILS

DRAWING No.:
E07-LPD001
LOCATION ID:
E07
SHEET No.: 98 OF 104
REV: 0

| No. | DATE | DSN | CHK | APP | REVISION |
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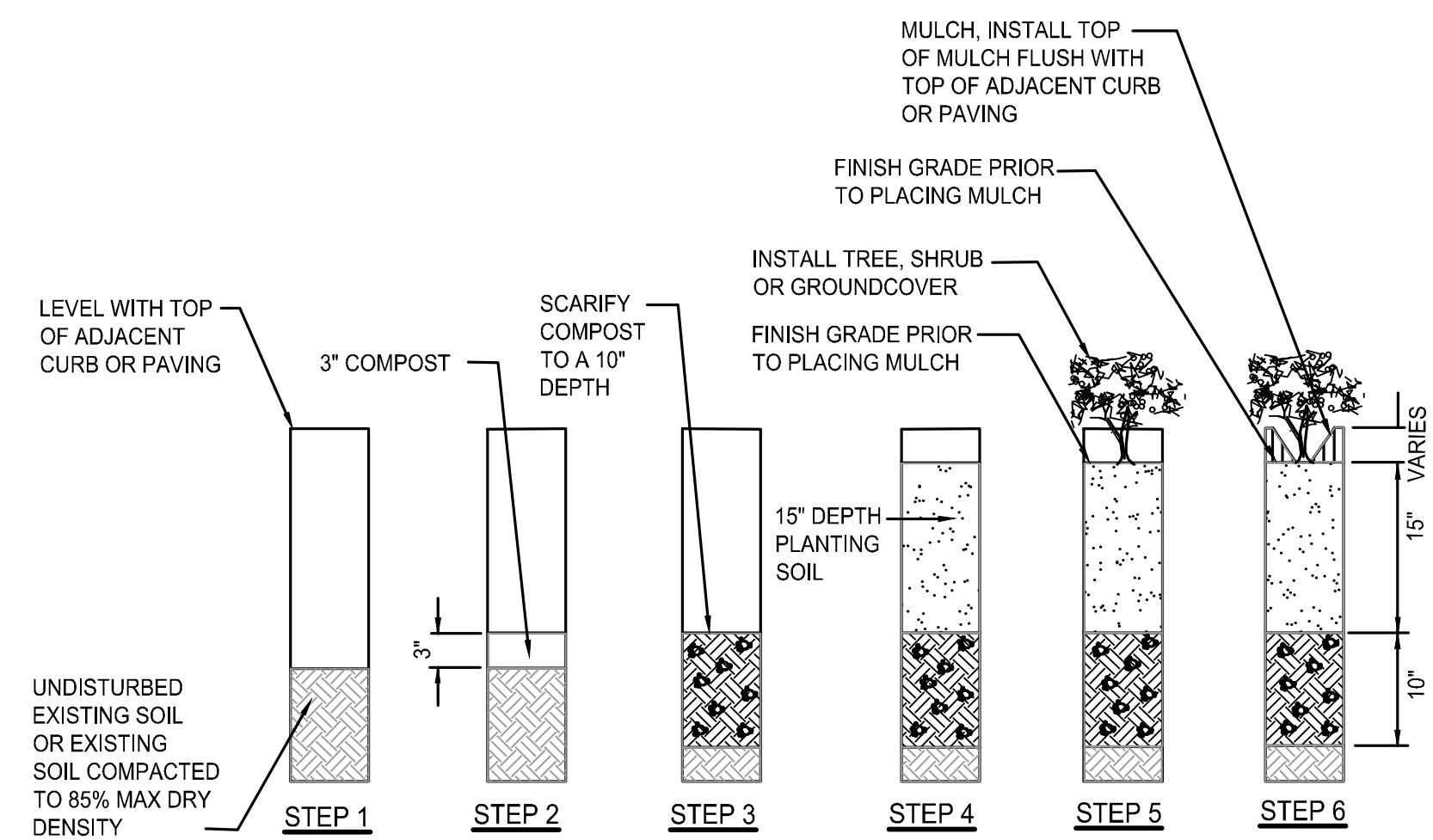
SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020



NOTES:

1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS, COMPOST, PLANTING SOIL, AND MULCH SHALL BE COMPACTED TO 85% MAX DRY DENSITY.
2. INCREASE THE DEPTH OF EXCAVATION AND PLANTING SOIL TO A MINIMUM 24" COMPACTED DEPTH AT TREE LOCATIONS. SEE TREE PLANTING DETAILS ON SHEET LPD001.
3. COORDINATE SOIL PREPARATION WITH UTILITY LOCATIONS TO AVOID ANY CONFLICT. PROTECT EXISTING UTILITIES AS NEEDED.
4. PLANTING AREAS ADJACENT TO CURBS ON BRIDGE LIDS, A MINIMUM DEPTH OF 12" PLANTING SOIL SHALL REPLACE EXISTING SOILS. PLANTING SOIL ONLY AREAS SHALL EXTEND TO POINT WHERE MIXED PLANTING SOIL AND EXISTING SOIL CAN SATISFY STEP 6.

STEP 1:
EXCAVATE EXISTING SOIL TO DEPTH REQUIRED BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING BASE COURSE MATERIAL. PROVIDE PERCOLATION TEST PER SPECIFICATIONS, PRIOR TO PROCEEDING TO STEP 2.

STEP 2:
INSTALL COMPOST.

STEP 3:
SCARIFY COMPOST. THOROUGHLY MIX TO A HOMOGENOUS BLEND. RESIDENT ENGINEER SHALL REVIEW AND APPROVE SCARIFICATION PRIOR TO PROCEEDING TO STEP 4.

STEP 4:
INSTALL PLANTING SOIL AND PARTIALLY TILL INTO SCARIFIED LAYER TO PREVENT INTERFACE. REVIEW FINISH GRADE WITH RESIDENT ENGINEER PRIOR TO PLANTING. ADDITIONAL DEPTH OF PLANTING SOIL MAY BE REQUIRED TO PROVIDE MOUNDING OR CROSS SLOPE WHERE SHOWN ON DRAWINGS. INSTALL ORGANIC BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT STD PLAN I-60, 10.01 WHERE SLOPE IS 3:1 OR GREATER UNLESS OTHERWISE NOTED.

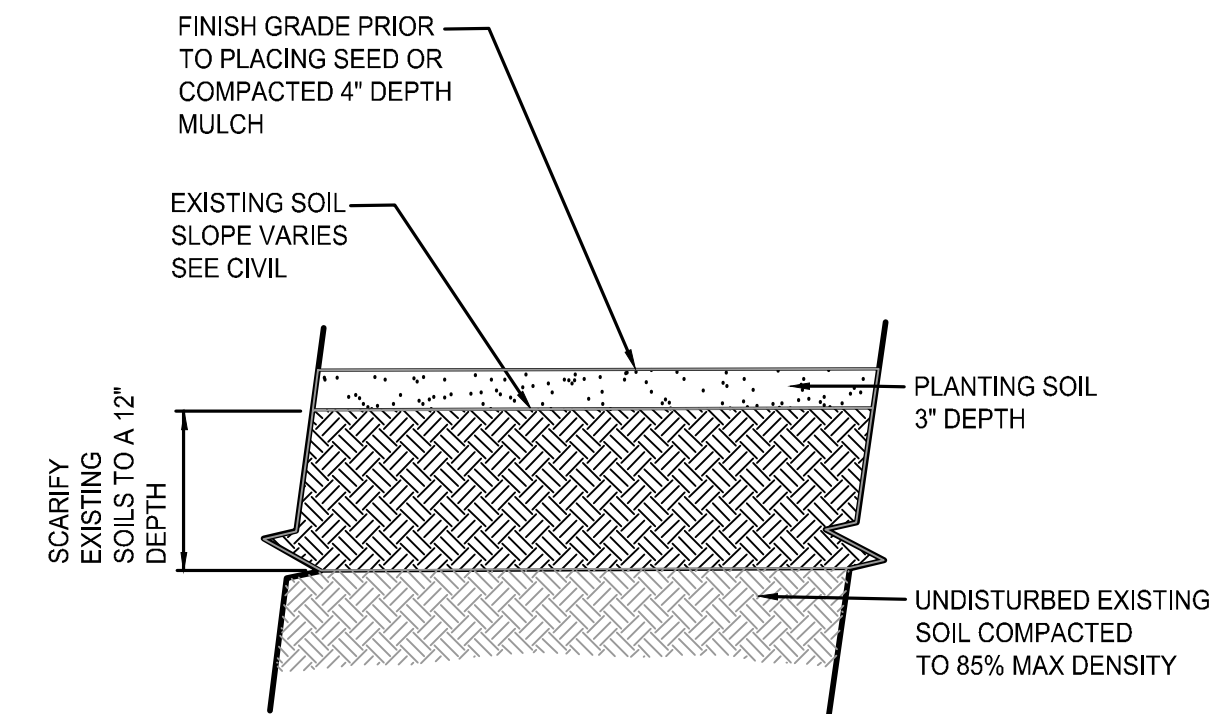
STEP 5:
INSTALL PLANTS, MATERIALS, AND IRRIGATION SYSTEM PER DETAILS. WHERE EROSION CONTROL BLANKET IS USED, CUT ONE SLIT PER PLANT IN EROSION CONTROL BLANKET PERPENDICULAR TO SLOPE DIRECTION, ABOUT TWICE SIZE OF ROOT BALL. SPREAD BLANKET OPEN, PLANT PER PLANTING DETAILS, AND FOLD BLANKET TOGETHER AFTER PLANTING.

STEP 6:
INSTALL 3" DEPTH MULCH.

PLANTING AREA SOIL PREPARATION DETAIL 1

NTS

E07-LPP001
E07-LPP002
E07-LPP003



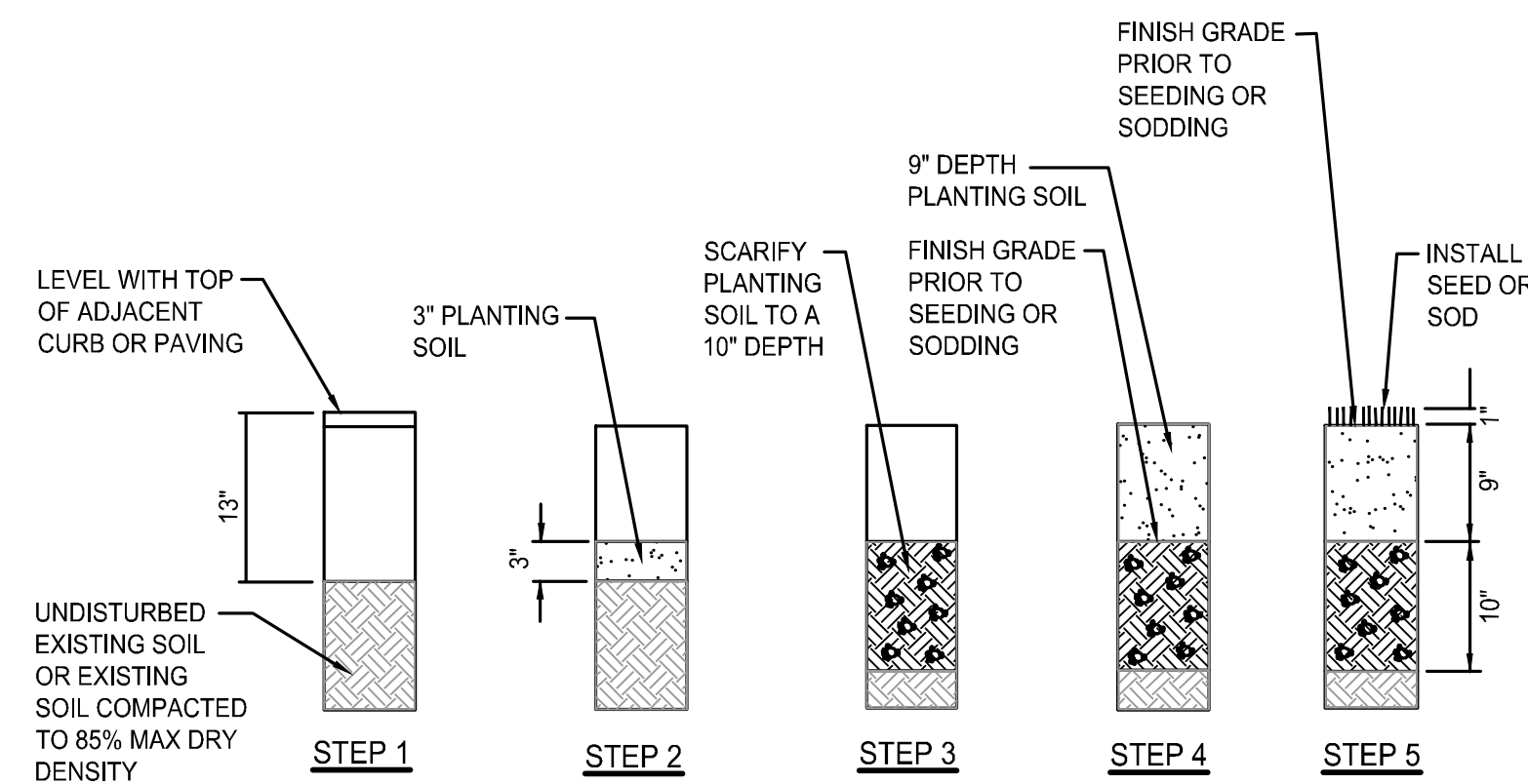
PLANTING AREA PREPARATION CONSTRUCTION SEQUENCE

1. AFTER CONCRETE AND OTHER INFRASTRUCTURE WORK IS COMPLETED, ESTABLISH SUBGRADE 7" BELOW ADJACENT CURB OR PAVING IN MULCH AREAS AND 4" BELOW SEEDED AREAS.
2. REMOVE ALL DEBRIS INCLUDING STUMPS, STICKS, ROOTS, AND ROCKS OVER 1" AND DISPOSE OFF SITE. RESIDENT ENGINEER SHALL REVIEW AND APPROVE EXISTING SOILS PRIOR TO PROCEEDING WITH WORK. VERIFY POSITIVE DRAINAGE. SCARIFY EXISTING SOILS TO MAINTAIN 85% MAX DENSITY TO A 12" DEPTH.
3. INSTALL 3" (COMPACTED) DEPTH OF PLANTING SOIL. COMPACT TO 85% MAX DRY DENSITY. RESIDENT ENGINEER SHALL REVIEW AND APPROVE PLANTING SOIL. INSTALL PRIOR TO PROCEEDING WITH WORK.
4. INSTALL COMPACTED MULCH, SEED, AND/OR PLANTS PER PLANTING PLANS.

RESTORATION SOIL PREPARATION DETAIL 2

NTS

E07-LPP001



NOTES:

1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS, COMPOST, PLANTING SOIL, AND MULCH SHALL BE COMPACTED TO 85% MAX DRY DENSITY.
2. PLANTING AREAS ADJACENT TO CURB ON BRIDGE LIDS, A MINIMUM DEPTH OF 12" PLANTING SOIL SHALL REPLACE EXISTING SOILS. PLANTING SOIL ONLY AREAS SHALL EXTEND TO POINT WHERE MIXED PLANTING SOIL AND EXISTING SOIL CAN SATISFY STEP 5.

STEP 1:
EXCAVATE EXISTING SOIL TO 13" DEPTH BELOW ADJACENT CURB OR PAVING SUBBASE MATERIAL. REMOVE SUBBASE MATERIAL FROM PLANTING AREA AND PROVIDE PERCOLATION TEST PER SPECS, PRIOR TO PROCEEDING TO STEP 2.

STEP 2:
INSTALL PLANTING SOIL AS SHOWN.

STEP 3:
SCARIFY PLANTING SOIL TO SPECIFIED DEPTH. RESIDENT ENGINEER SHALL REVIEW AND APPROVE SCARIFICATION PRIOR TO PROCEEDING TO STEP 4.

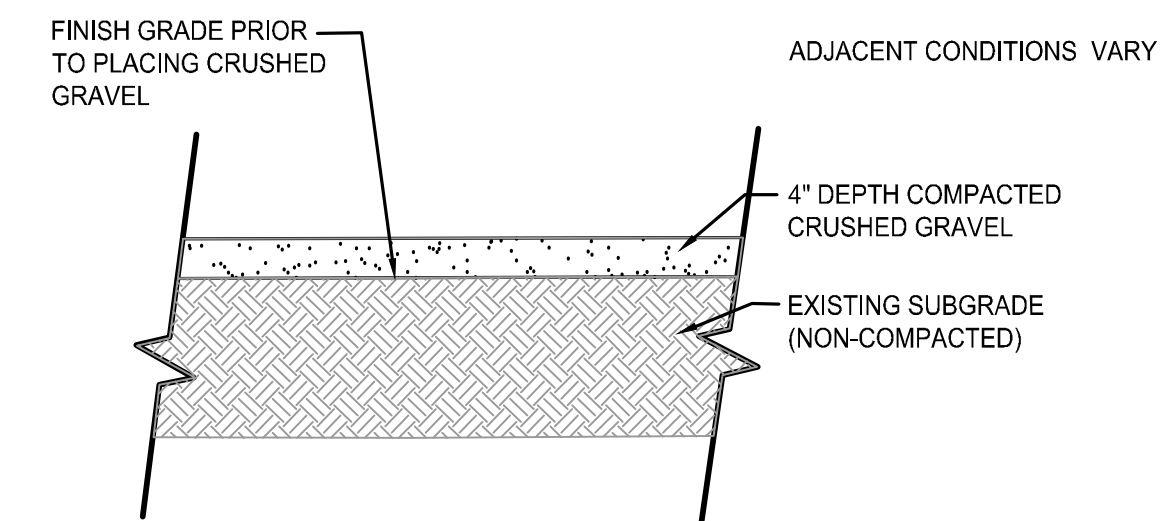
STEP 4:
INSTALL REMAINING PLANTING SOIL AND PARTIALLY INTO SCARIFIED LAYER TO PREVENT INTERFACE. REVIEW FINISH GRADE WITH RESIDENT ENGINEER PRIOR TO PLANTING.

STEP 5:
INSTALL SEED OR SOD, AND IRRIGATION SYSTEM PER PLANS AND DETAILS.

LAWN AREA SOIL PREPARATION DETAIL 3

NTS

E07-LPP001
E07-LPP002
E07-LPP003



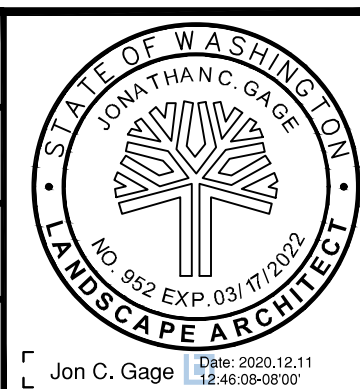
CRUSHED GRAVEL GROUNDCOVER DETAIL 4

NTS

E07-LPP003

ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
J. GAGE



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Bellevue Washington 98007
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LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
E135-E07-LPD001-002
CONTRACT No.:
RTA/AE 0072-19

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
LANDSCAPE DETAILS

DRAWING No.:
E07-LPD002
LOCATION ID:
E07
SHEET No.:
99 OF 104
REV:
0

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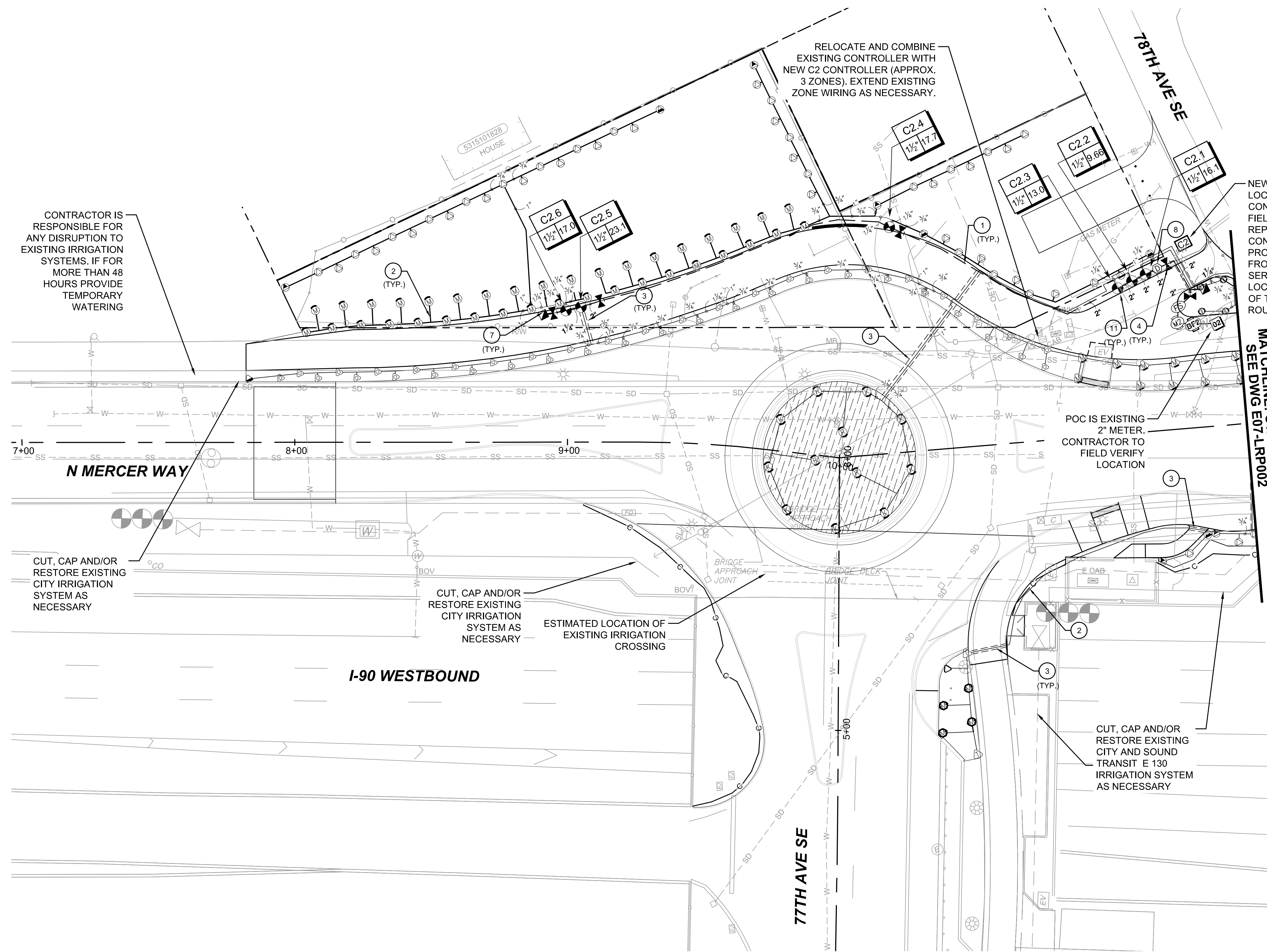
SUBMITTED BY:
A. WILEN

DATE:
12/11/2020

REVIEWED BY:
M. LU

DATE:
12/11/2020

DATE:
12/11/2020



IRRIGATION NOTES:

- ① INSTALL SCHEDULE 40 MAINLINE PIPE PER DETAIL 8, DRAWING NO. E07-LRD001. PIPE SIZE AS SHOWN ON PLAN
- ② INSTALL SCHEDULE 40 PVC LATERAL PER DETAIL 8, DRAWING NO. E07-LRD001. PIPE SIZE AS SHOWN ON PLAN
- ③ INSTALL IRRIGATION SLEEVE PER DETAIL 7, DRAWING NO. E07-LRD001
- ④ INSTALL BALL VALVE PER DETAIL 4, DRAWING NO. E07-LRD001
- ⑦ INSTALL QUICK COUPLING VALVE PER DETAIL 6, DRAWING NO. E07-LRD001
- ⑧ INSTALL MANUAL DRAIN VALVE PER DETAIL 1, DRAWING NO. E07-LRD002
- ⑪ INSTALL AUTOMATIC CONTROL VALVE PER DETAIL 3, DRAWING NO. E07-LRD001

GENERAL NOTES

- 1. SEE DRAWING NO. E07-LRP002 FOR IRRIGATION SCHEDULE AND IRRIGATION SYMBOLS.
- 2. SEE DRAWING NOS. E07-LRD001 THROUGH E07-LRD002 FOR IRRIGATION DETAILS.
- 3. CONTRACTOR IS RESPONSIBLE FOR ANY DISRUPTION TO EXISTING IRRIGATION SYSTEMS. IF FOR MORE THAN 48 HOURS PROVIDE TEMPORARY WATERING.

CONTRACTOR IS RESPONSIBLE FOR ANY DISRUPTION TO EXISTING IRRIGATION SYSTEMS. IF FOR MORE THAN 48 HOURS PROVIDE TEMPORARY WATERING

CUT, CAP AND/OR RESTORE EXISTING CITY IRRIGATION SYSTEM AS NECESSARY

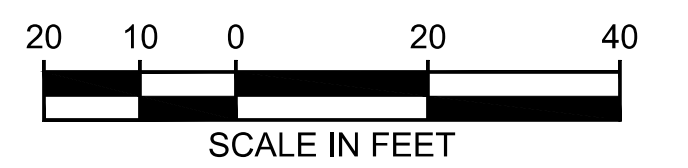
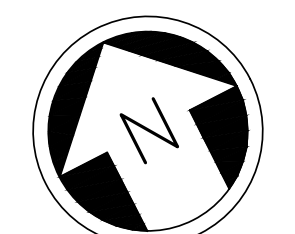
CUT, CAP AND/OR RESTORE EXISTING CITY IRRIGATION SYSTEM AS NECESSARY

ESTIMATED LOCATION OF EXISTING IRRIGATION CROSSING

POC IS EXISTING 2" METER. CONTRACTOR TO FIELD VERIFY LOCATION

CUT, CAP AND/OR RESTORE EXISTING CITY AND SOUND TRANSIT E 130 IRRIGATION SYSTEM AS NECESSARY

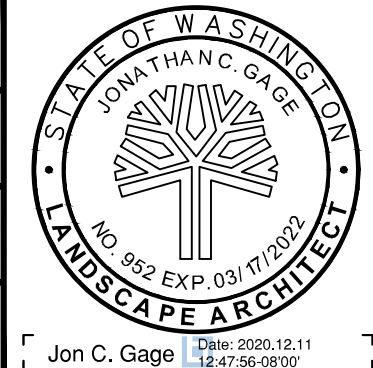
MATCHLINE: STA 11+50.00
SEE DWG E07-LRP002



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ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
J. GAGE



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
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LINE IS 1" AT FULL SCALE

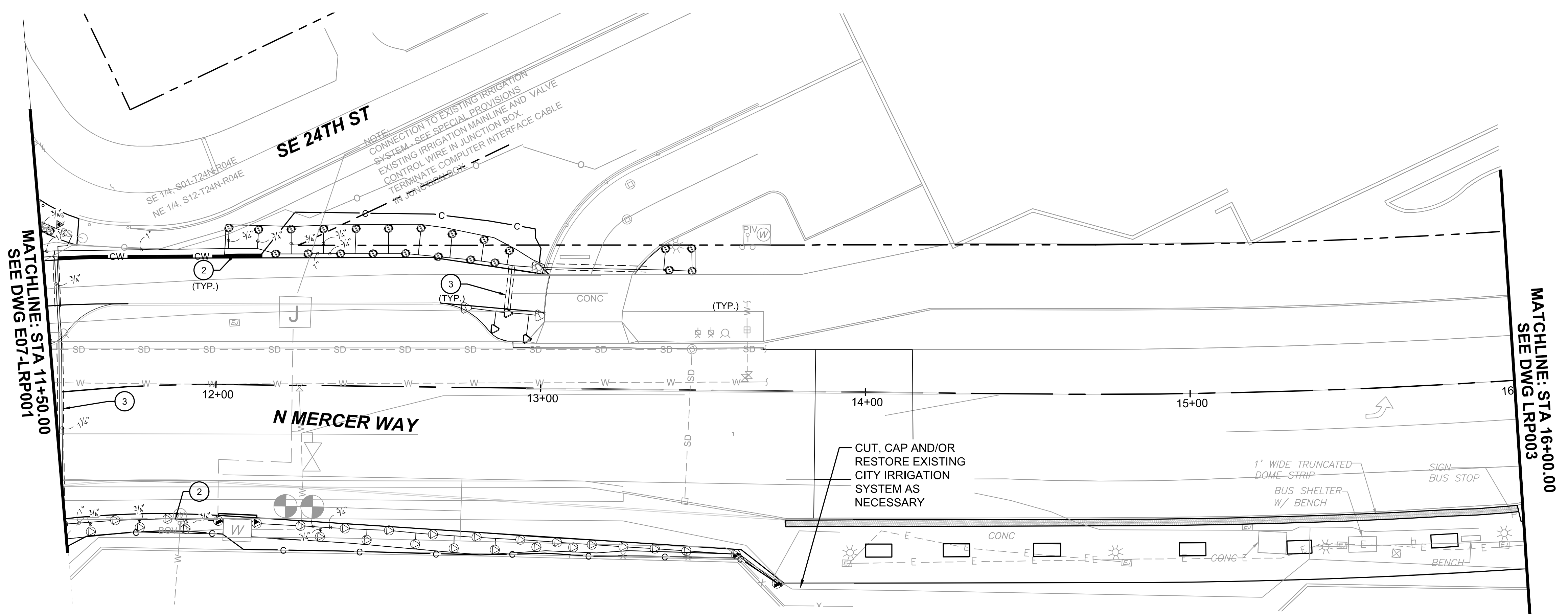


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1" = 20'
FILENAME:
E135-E07-LRP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
IRRIGATION PLAN

DRAWING No.:
E07-LRP001
LOCATION ID:
E07
SHEET No.:
100 OF 104
REV:
0

SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



IRRIGATION NOTES:

- 2 INSTALL SCHEDULE 40 PVC LATERAL PER DETAIL 8, DRAWING NO. E07-LRD001. PIPE SIZE AS SHOWN ON PLAN
- 3 INSTALL IRRIGATION SLEEVE PER DETAIL 7, DRAWING NO. E07-LRD001

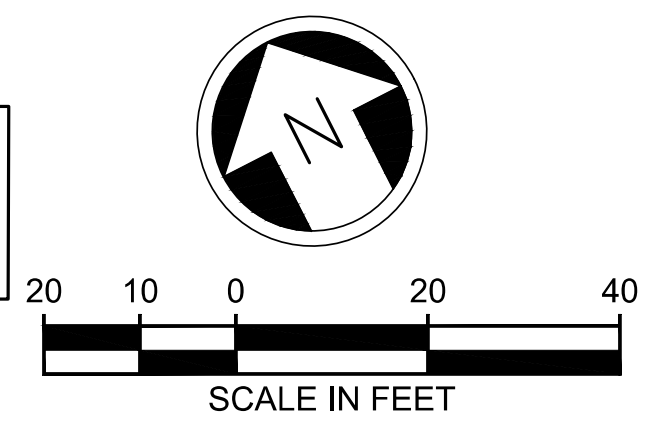
GENERAL NOTES

- 1. SEE DRAWING NO. E07-LRP002 FOR IRRIGATION SCHEDULE AND IRRIGATION SYMBOLS.
- 2. SEE DRAWING NOS. E07-LRD001 THROUGH E07-LRD002 FOR IRRIGATION DETAILS.
- 3. CONTRACTOR IS RESPONSIBLE FOR ANY DISRUPTION TO EXISTING IRRIGATION SYSTEMS. IF FOR MORE THAN 48 HOURS PROVIDE TEMPORARY WATERING.

IRRIGATION SCHEDULE

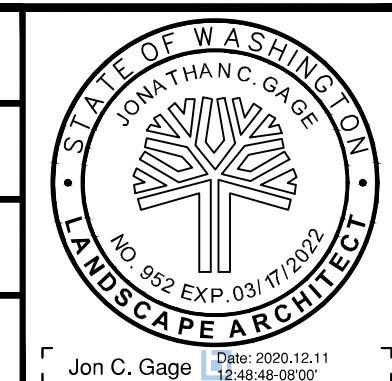
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|--------|--|-----|-----|--------|--|------------|-----|--------|---|-----|-----|--------|--|-----|
| | HUNTER MP CORNER PROS-06-PRS40-CV (2) SHRUB ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. T=TURQUOISE ADJ ARC 45-105 ON PRS40 BODY. | 11 | 40 | | HUNTER MP800SR PROS-12-PRS40-CV SHRUB ROTATOR, 12.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. OR = ORANGE ADJ ARC 90 TO 210. | 27 | 40 | | HUNTER PGV-151-B-DC GLOBE 1-1/2" PLASTIC ELECTRIC REMOTE CONTROL VALVE, FOR RESIDENTIAL/LIGHT COMMERCIAL USE. BSP THREADS INLET/OUTLET, WITH FLOW CONTROL. GLOBE CONFIGURATION. DC LATCHING SOLENOID. | 8 | | | RAIN MASTER RME18EG-SPED-T WITH EGP-CENTRAL, 18 STATION CONTROLLER IN A STAINLESS STEEL LARGE ENCLOSURE PEDESTAL AND SURGE PROTECTION. | 1 |
| | HUNTER MP STRIP PROS-06-PRS40-CV (2) SHRUB ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP ON PRS40 BODY. | 44 | 40 | | HUNTER MP815 PROS-06-PRS40-CV (2) SHRUB ROTATOR, 6" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON AND GRAY ADJ ARC 90 TO 210, L=LIGHT BLUE AND GRAY 210 TO 270 ARC, O=OLIVE AND GRAY 360 ARC ON PRS40 BODY. | 26 | 40 | | HUNTER HQ-44RC-AW QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS. | 3 | | | RAIN BIRD FS-150-B 1-1/2" FLOW SENSOR FOR USE WITH RAIN BIRD MAXICOM, SITECONTROL, AND ESP-LXD CENTRAL CONTROL SYSTEMS. BRASS MODEL. SUGGESTED OPERATING RANGE OF 4.0 GPM TO 80.0 GPM. SENSORS SHOULD BE SIZED FOR FLOW RATHER THAN PIPE SIZE. | 2 |
| | HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY. | 80 | 40 | | HUNTER ICZ-101-40 DRIP CONTROL ZONE KIT. 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN. | 4 | | | HUNTER IBV-BSP-DC 1-1/2" BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH BSP THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH DC LATCHING SOLENOID FACTORY INSTALLED OPTION. | 1 | | | WATER METER 1-1/2" NEW 1.5" METER | 1 |
| | HUNTER MP1000 PROS-06-PRS40-CV (2) SHRUB ROTATOR, 6" POP-UP WITH CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY. | 11 | 40 | | PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER | 10 | | | HUNTER IBV-BSP-DC 2" BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH BSP THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH DC LATCHING SOLENOID FACTORY INSTALLED OPTION. | 1 | | | WATER METER 2" EXISTING 2" METER | 1 |
| | HUNTER MP1000 PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY. | 37 | 40 | | NETAFIM TL050MFV-1 AUTOMATIC FLUSH VALVE, 1/2" MALE PIPE THREAD. | 10 | | | DRAIN VALVE MANUAL GATE VALVE, BRASS, SIZED TO MATCH LINE | 2 | | | WATTS 007 1-1/2" MAX. FLOW RATE IS 7.5 FT/S. | 1 |
| | HUNTER MP2000 PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE. PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY. | 12 | 40 | | NETAFIM 65ARIA075 3/4" MALE PIPE THREAD GUARDIAN AIR/VACUUM RELIEF VENT. INSTALL IN SUBSURFACE SYSTEMS. ON SLOPING TERRAIN TO PREVENT COLLAPSING OF PIPES. UV RESISTANT. MAXIMUM PRESSURE: 150 PSI. | 8 | | | WATTS 007 2" MAX. FLOW RATE IS 7.5 FT/S. | 1 | | | RAIN BIRD ESP12LXMEF-LXMMSS 12 STATION COMMERCIAL CONTROLLER. STAINLESS STEEL PEDESTAL. FLOW SENSING. ESP12LXMEF-LXMMSS-LXMMSSPED | 1 |
| | HUNTER MP800SR PROS-06-PRS40-CV (2) SHRUB ROTATOR, 6.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. OR = ORANGE ADJ ARC 90 TO 210. | 15 | 40 | | AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-06-24 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY, 0.6 GPH EMITTERS AT 24" O.C. LATERALS SPACED AT 24" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. | 7,386 L.F. | | | | | | | | |

CONTRACTOR TO COORDINATE WITH BRAD JOHNSON (206) 572-5004, PARKS DEPARTMENT CITY OF MERCER ISLAND DURING CONSTRUCTION OF NEW SYSTEM AND FOR REVISIONS TO EXISTING IRRIGATION SYSTEM WITHIN PROJECT LIMITS.



ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
J. GAGE



DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

LINE IS 1" AT FULL SCALE

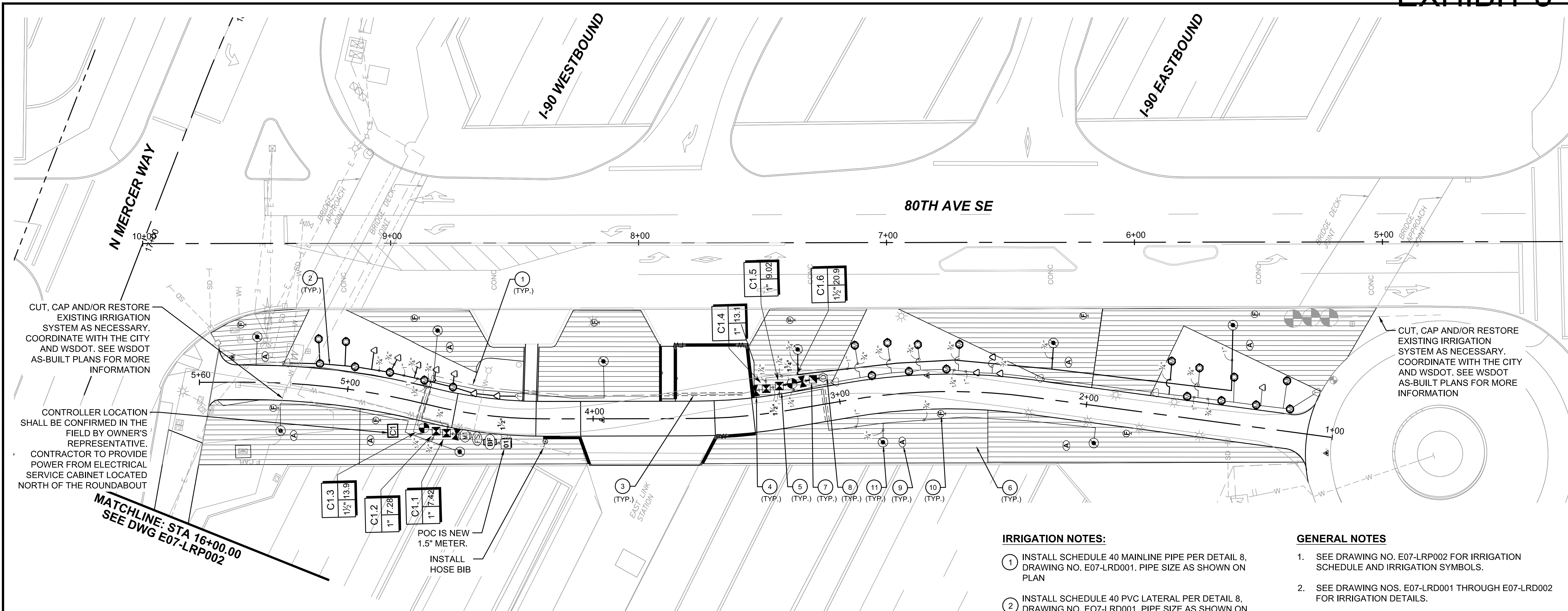


SCALE:
1" = 20'
FILENAME:
E135-E07-LRP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
IRRIGATION PLAN

DRAWING No.:
E07-LRP002
LOCATION ID:
E07
SHEET No.:
101 OF 104
REV:
0

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CUT, CAP AND/OR RESTORE EXISTING IRRIGATION SYSTEM AS NECESSARY. COORDINATE WITH THE CITY AND WSDOT. SEE WSDOT AS-BUILT PLANS FOR MORE INFORMATION

CONTROLLER LOCATION SHALL BE CONFIRMED IN THE FIELD BY OWNER'S REPRESENTATIVE. CONTRACTOR TO PROVIDE POWER FROM ELECTRICAL SERVICE CABINET LOCATED NORTH OF THE ROUNDABOUT

CUT, CAP AND/OR RESTORE EXISTING IRRIGATION SYSTEM AS NECESSARY. COORDINATE WITH THE CITY AND WSDOT. SEE WSDOT AS-BUILT PLANS FOR MORE INFORMATION

MATCHLINE: STA 16+00.00
SEE DWG E07-LRP002

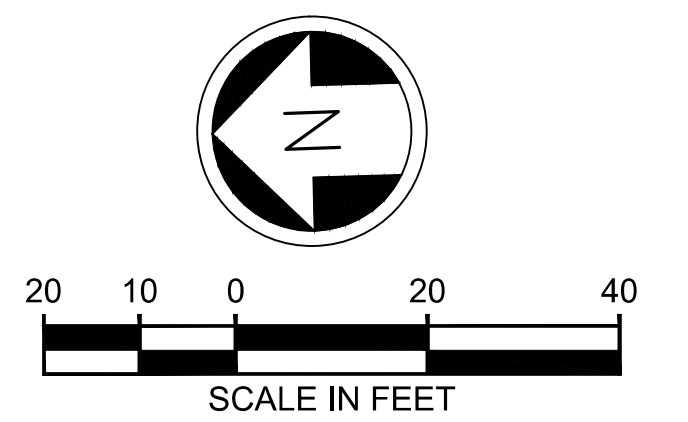
POC IS NEW 1.5" METER.
INSTALL HOSE BIB

IRRIGATION NOTES:

1. INSTALL SCHEDULE 40 MAINLINE PIPE PER DETAIL 8, DRAWING NO. E07-LRD001. PIPE SIZE AS SHOWN ON PLAN
2. INSTALL SCHEDULE 40 PVC LATERAL PER DETAIL 8, DRAWING NO. E07-LRD001. PIPE SIZE AS SHOWN ON PLAN
3. INSTALL IRRIGATION SLEEVE PER DETAIL 7, DRAWING NO. E07-LRD001
4. INSTALL BALL VALVE PER DETAIL 4, DRAWING NO. E07-LRD001
5. INSTALL DRIP CONTROL ZONE KIT PER DETAIL 2, DRAWING NO. E07-LRD002
6. INSTALL DRIPLINE PER DETAILS 5 AND 6, DRAWING NO. E07-LRD002
7. INSTALL QUICK COUPLING VALVE PER DETAIL 6, DRAWING NO. E07-LRD001
8. INSTALL MANUAL DRAIN VALVE PER DETAIL 1, DRAWING NO. E07-LRD002
9. INSTALL DRIP AIR RELIEF VALVE PER DETAIL 3, DRAWING NO. E07-LRD002
10. INSTALL AUTOMATIC FLUSH VALVE PER DETAIL 4, DRAWING NO. E07-LRD002
11. INSTALL AUTOMATIC CONTROL VALVE PER DETAIL 3, DRAWING NO. E07-LRD001

GENERAL NOTES

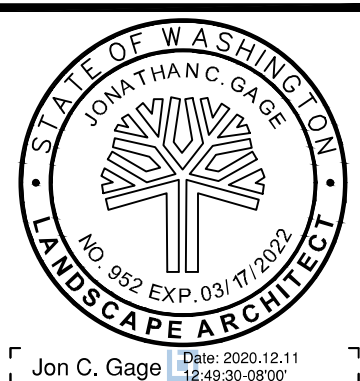
1. SEE DRAWING NO. E07-LRP002 FOR IRRIGATION SCHEDULE AND IRRIGATION SYMBOLS.
2. SEE DRAWING NOS. E07-LRD001 THROUGH E07-LRD002 FOR IRRIGATION DETAILS.
3. CONTRACTOR IS RESPONSIBLE FOR ANY DISRUPTION TO EXISTING IRRIGATION SYSTEMS. IF FOR MORE THAN 48 HOURS PROVIDE TEMPORARY WATERING.



12/11/20 12:06 PM | OXA P:\S\STRAD000087\0400CAD\TTS\SHETS\15-E07-LRP001-003.DWG

ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
J. GAGE



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14432 SE Eastgate Way, Suite 400
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LINE IS 1" AT FULL SCALE

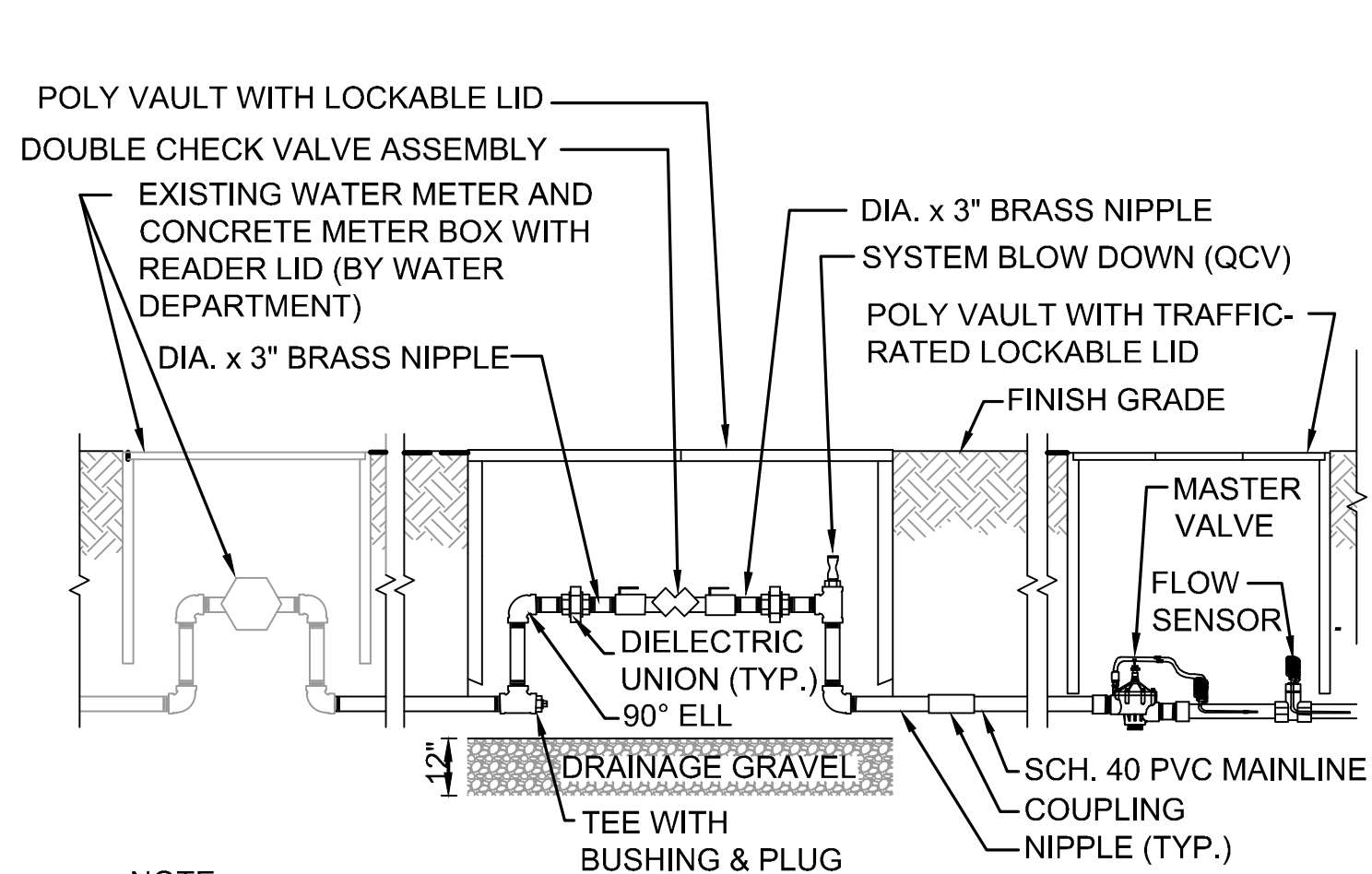


SCALE:
1" = 20'
FILENAME:
E135-E07-LRP001-003
CONTRACT No.:
RTA/AE 0072-19
DATE:
12/11/2020

**EAST LINK EXTENSION
MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
IRRIGATION PLAN

DRAWING No.:
E07-LRP003
LOCATION ID:
E07
SHEET No.:
102 OF 104
REV:
0

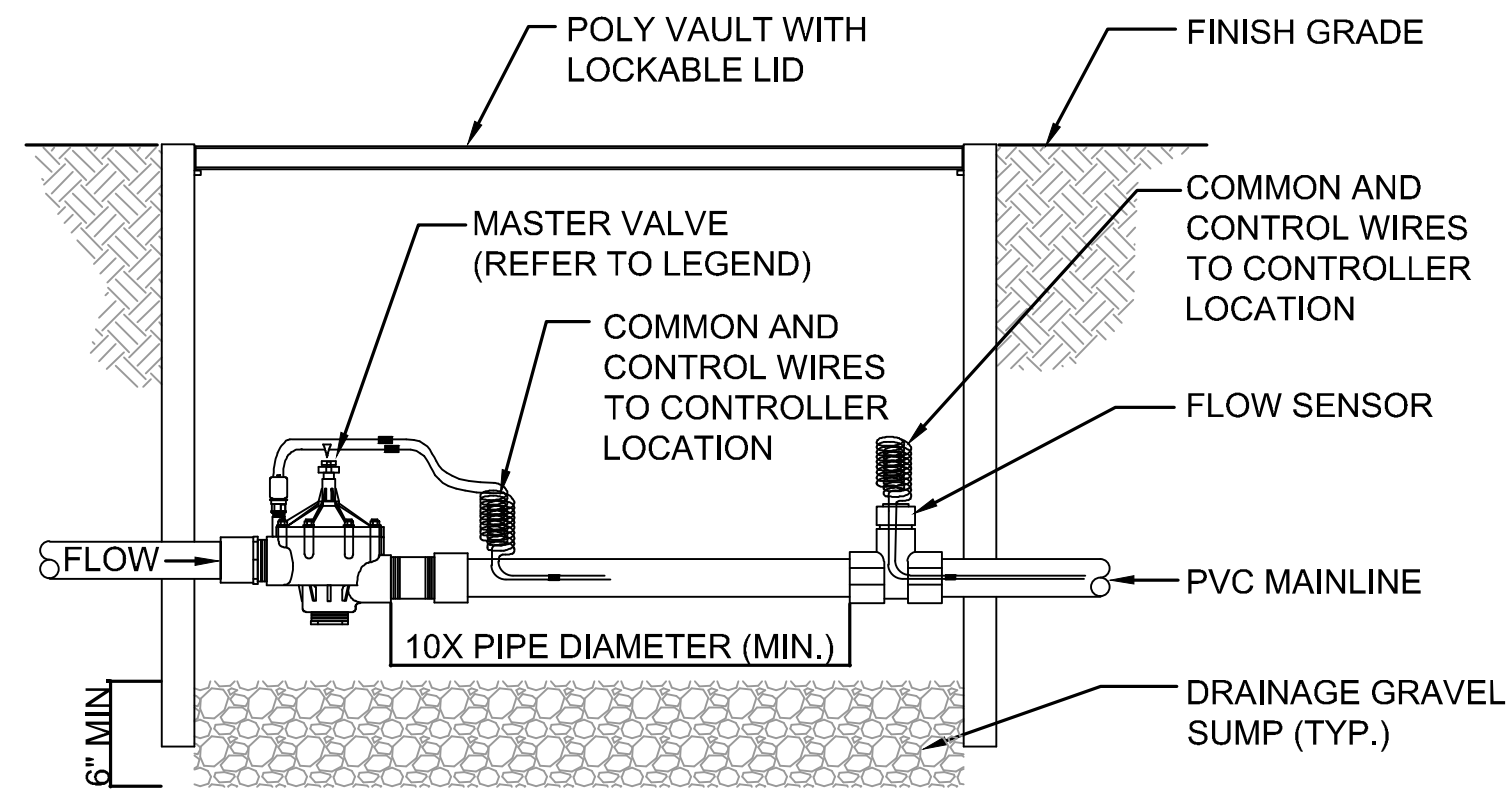
SUBMITTED BY: A. WILEN DATE: 12/11/2020 REVIEWED BY: M. LU DATE: 12/11/2020



NOTE:

1. ALL FITTINGS AND NIPPLES FROM METER THROUGH FLOW SENSOR SHALL BE SCH. 80 PVC OR BRASS; SIZE AND LENGTH AS REQUIRED OR AS NOTED.

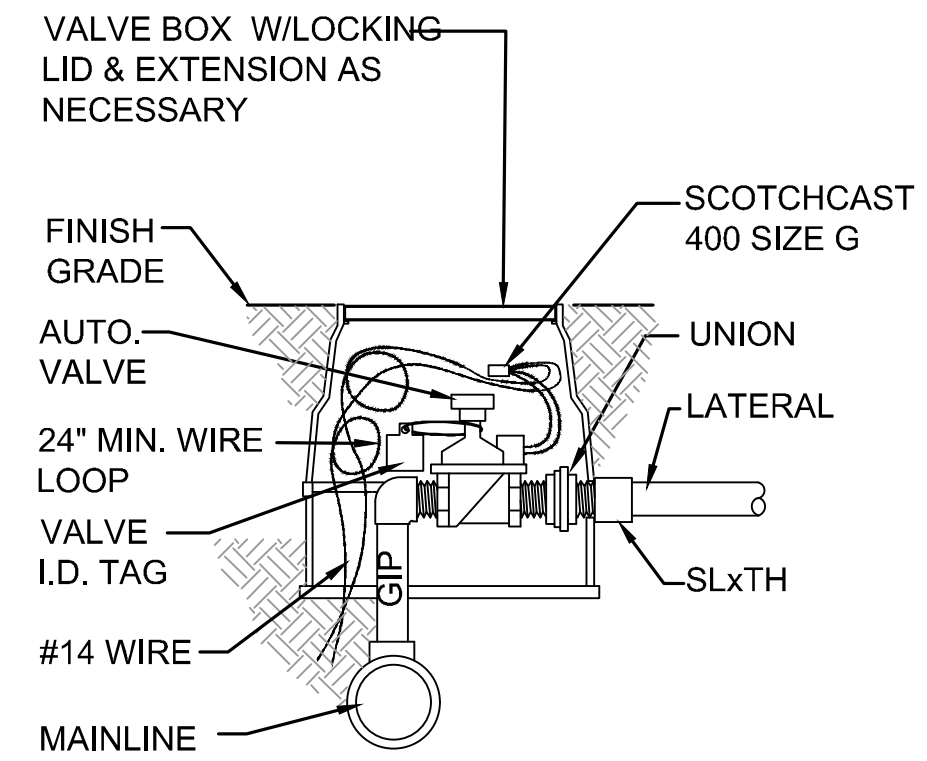
DOUBLE CHECK VALVE ASSEMBLY 1
NTS E07-LRP001



NOTE:

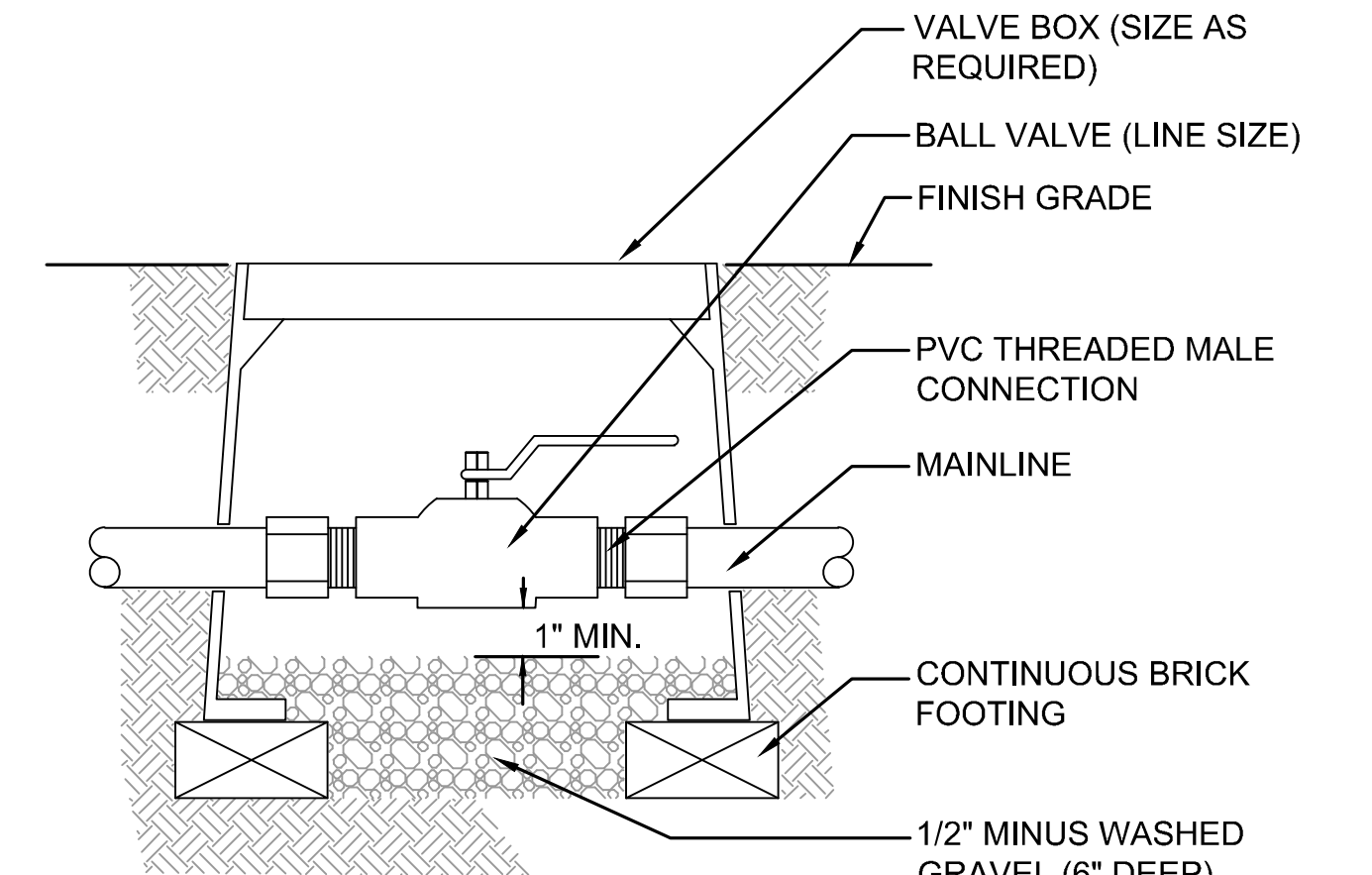
1. ALL FITTINGS AND NIPPLES FROM METER THROUGH FLOW SENSOR SHALL BE SCH. 80 PVC OR BRASS; SIZE AND LENGTH AS REQUIRED OR AS NOTED.

MASTER VALVE WITH FLOW SENSOR 2
NTS E07-LRP001 E07-LRP003

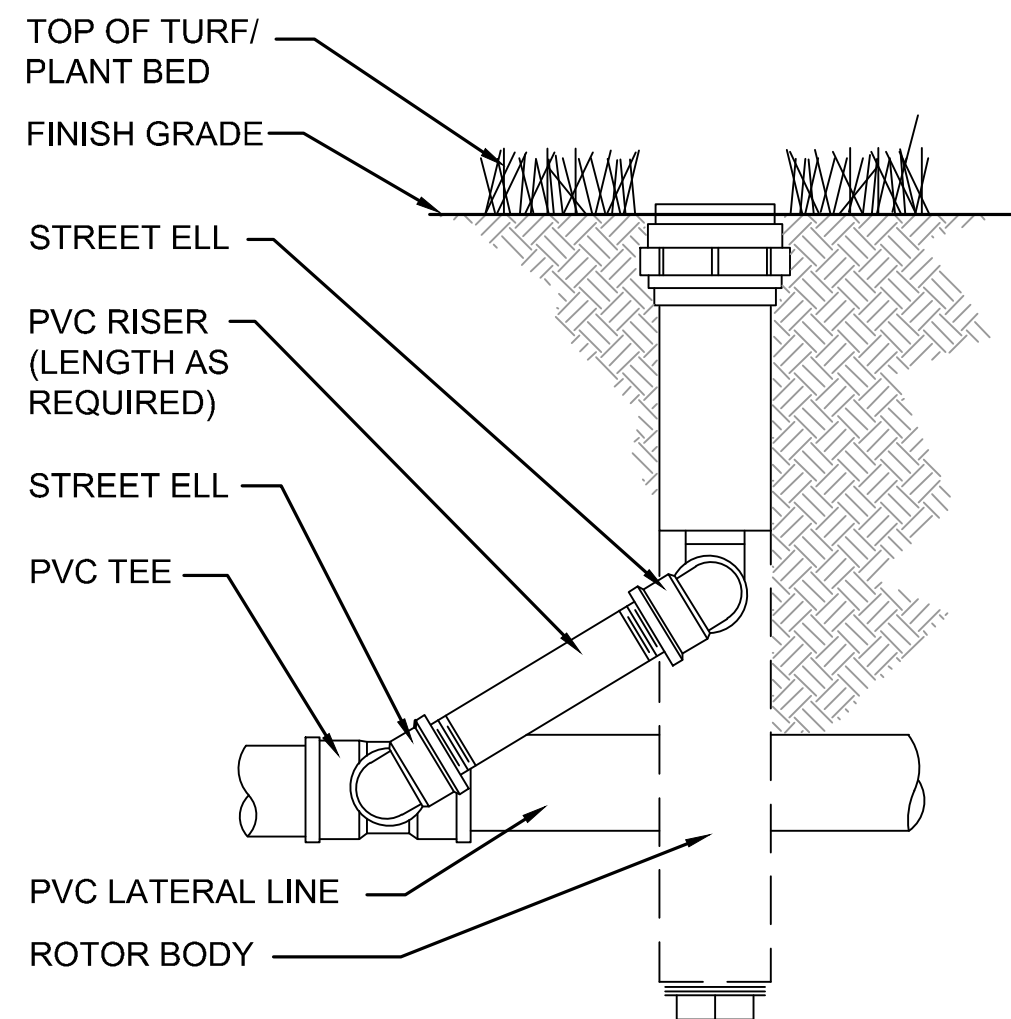


NOTE:
SET ALL VALVE BOXES 3" ABOVE FINAL GRADE TO ACCOMMODATE MULCH APPLICATION

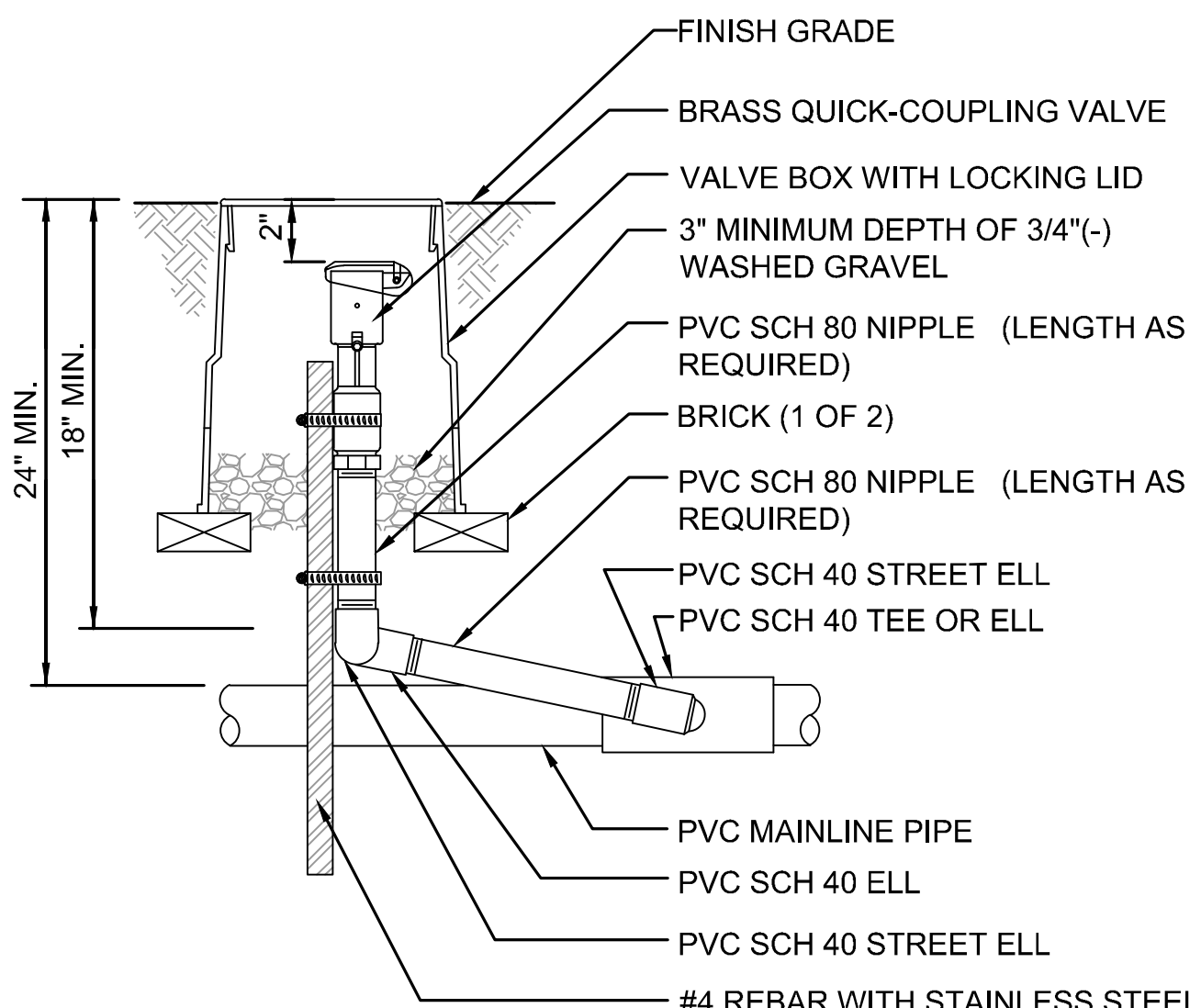
AUTOMATIC CONTROL VALVE AND VALVE BOX 3
NTS E07-LRP001 E07-LRP003



BALL VALVE 4
NTS E07-LRP001 E07-LRP003

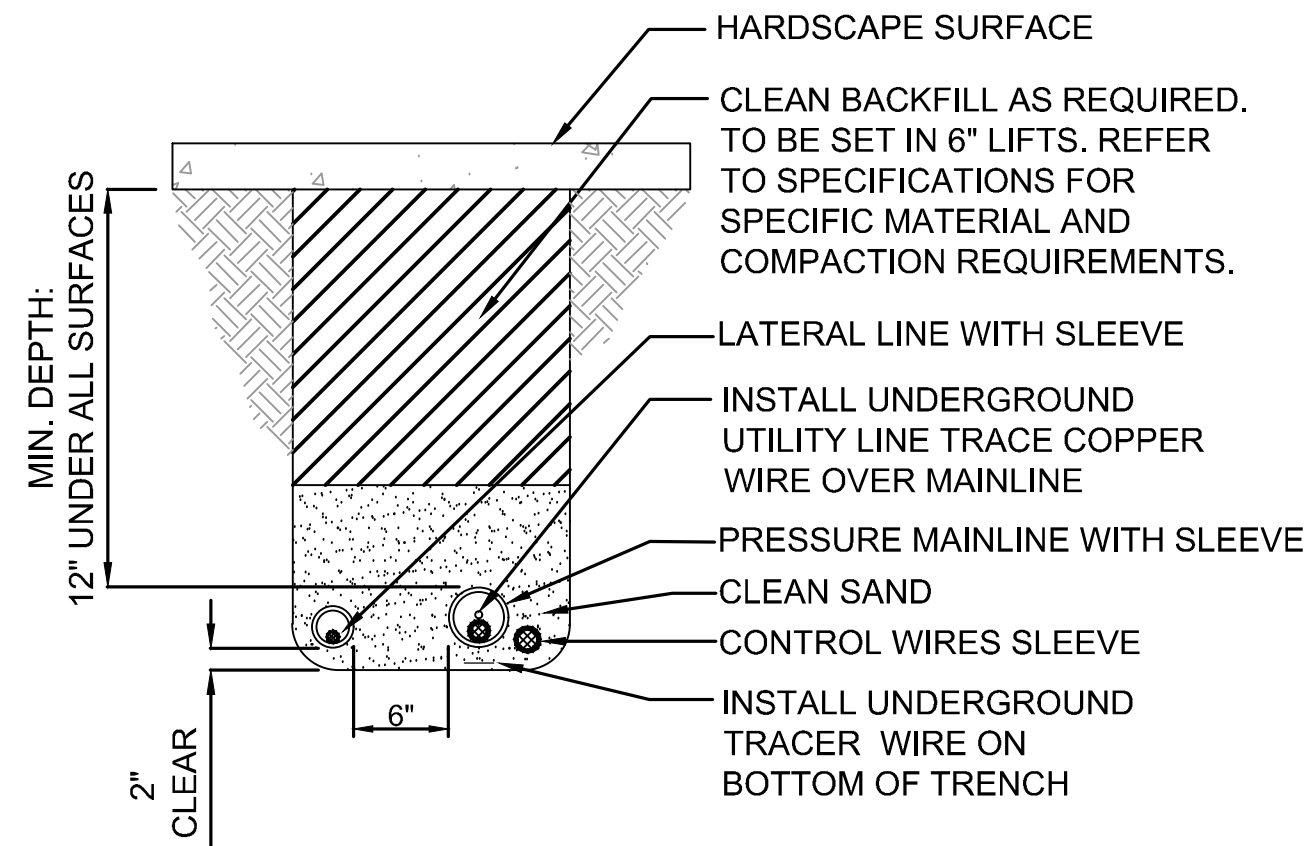


POP-UP SPRINKLER 5
NTS E07-LRP001 E07-LRP002 E07-LRP003



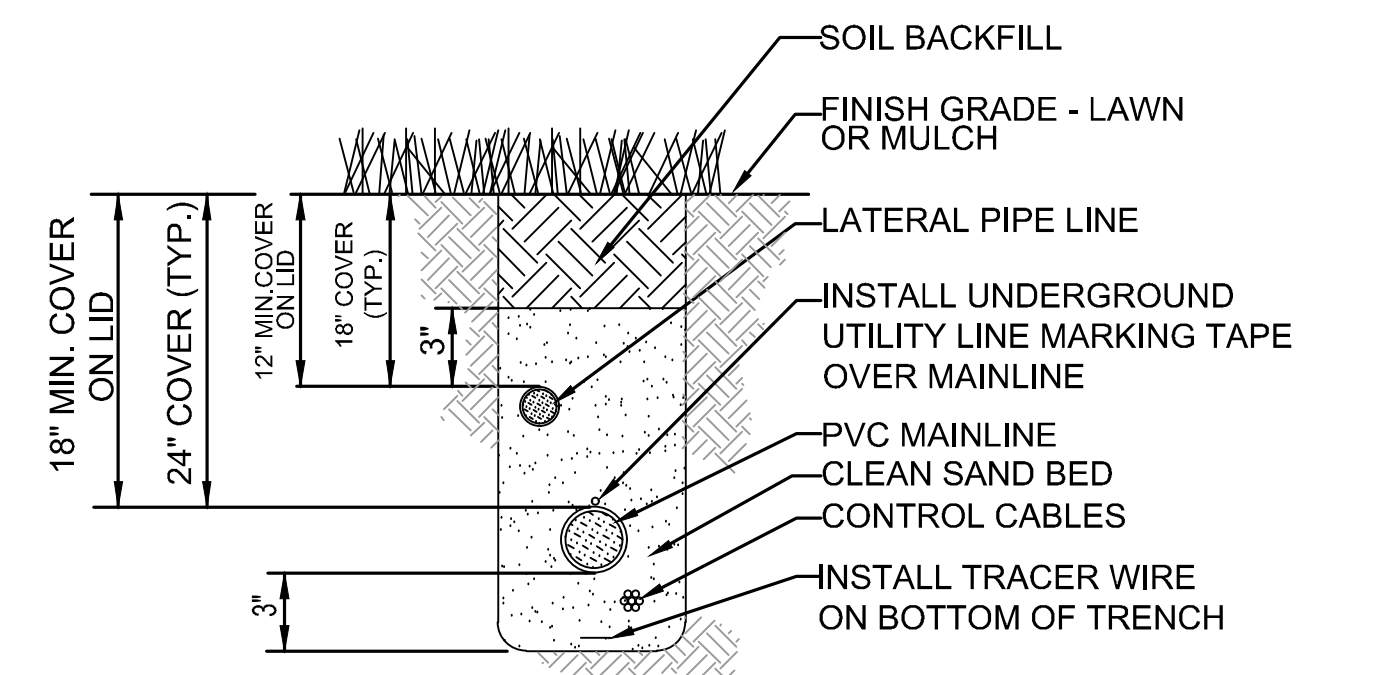
NOTE:
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

QUICK COUPLING VALVE 6
NTS E07-LRP001 E07-LRP003



NOTES:
1. ALL SLEEVES TO BE PVC, SCH. 40 AND TWICE THE DIAMETER OF THE WORKING PIPE.
2. ALL SLEEVES TO RUN A MIN. OF 12" BEYOND HARDSCAPE EDGES.
3. CLEAN BACKFILL MAY BE SUBSTITUTED FOR SAND UNDER WALKS AND DRIVES.

IRRIGATION SLEEVING 7
NTS E07-LRP001 E07-LRP002 E07-LRP003

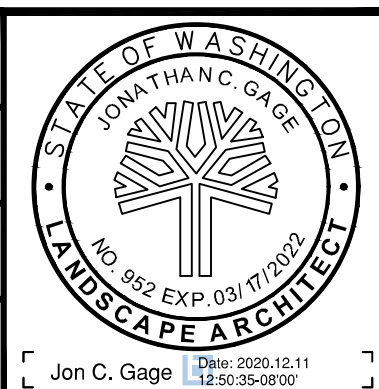


TRENCH DETAIL 8
NTS E07-LRP001 E07-LRP002 E07-LRP003

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ISSUED FOR BID

DESIGNED BY:
J. GAGE
DRAWN BY:
G. KING
CHECKED BY:
D. LIFTIN
APPROVED BY:
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SCALE:
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MERCER ISLAND TRANSIT INTERCHANGE**
77TH AVE SE, 80TH AVE SE, & N MERCER WAY
IRRIGATION DETAILS

DRAWING No.:
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E07
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103 OF 104
REV:
0

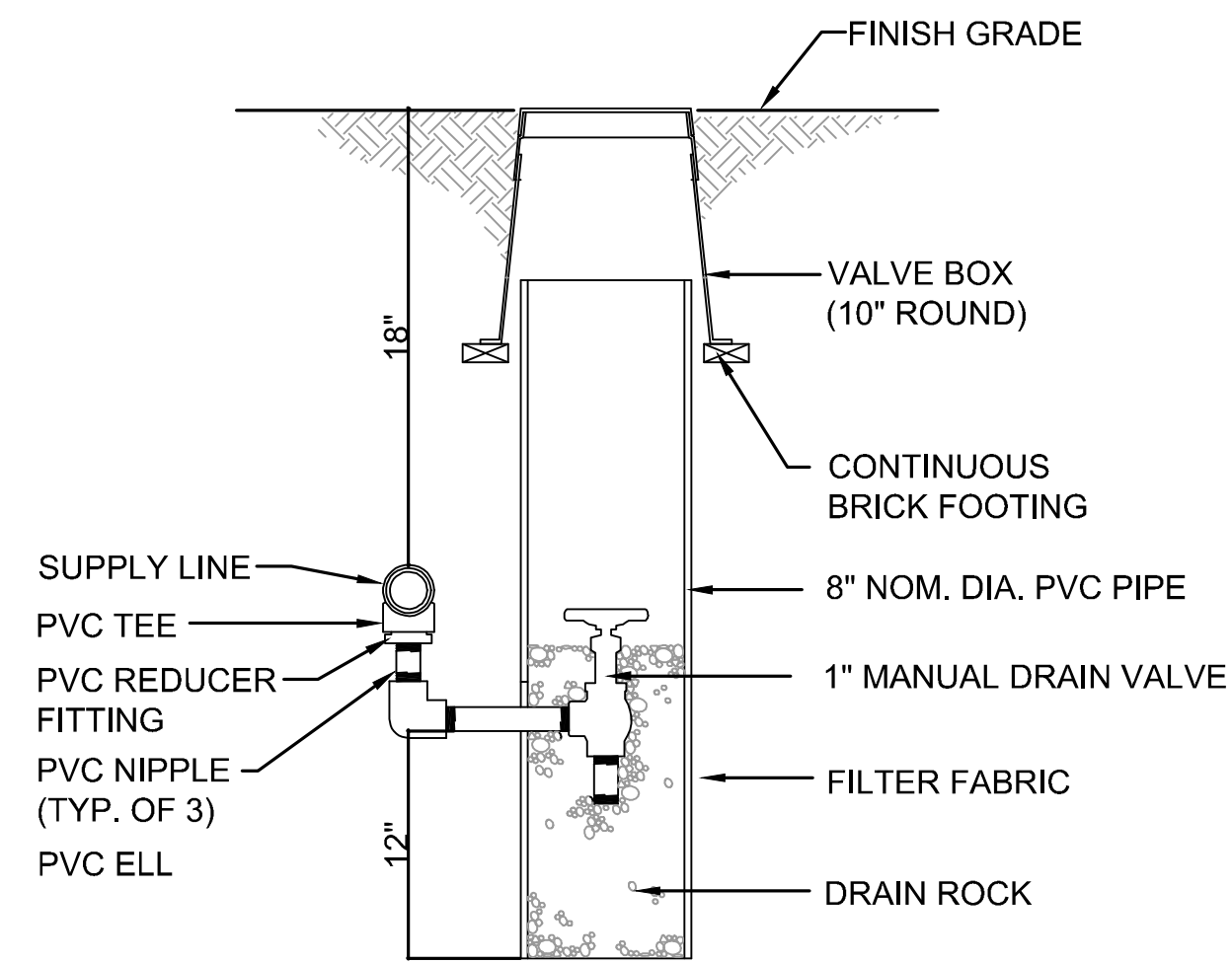
| No. | DATE | DSN | CHK | APP | REVISION |
|-----|------|-----|-----|-----|----------|
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SUBMITTED BY:
A. WILEN

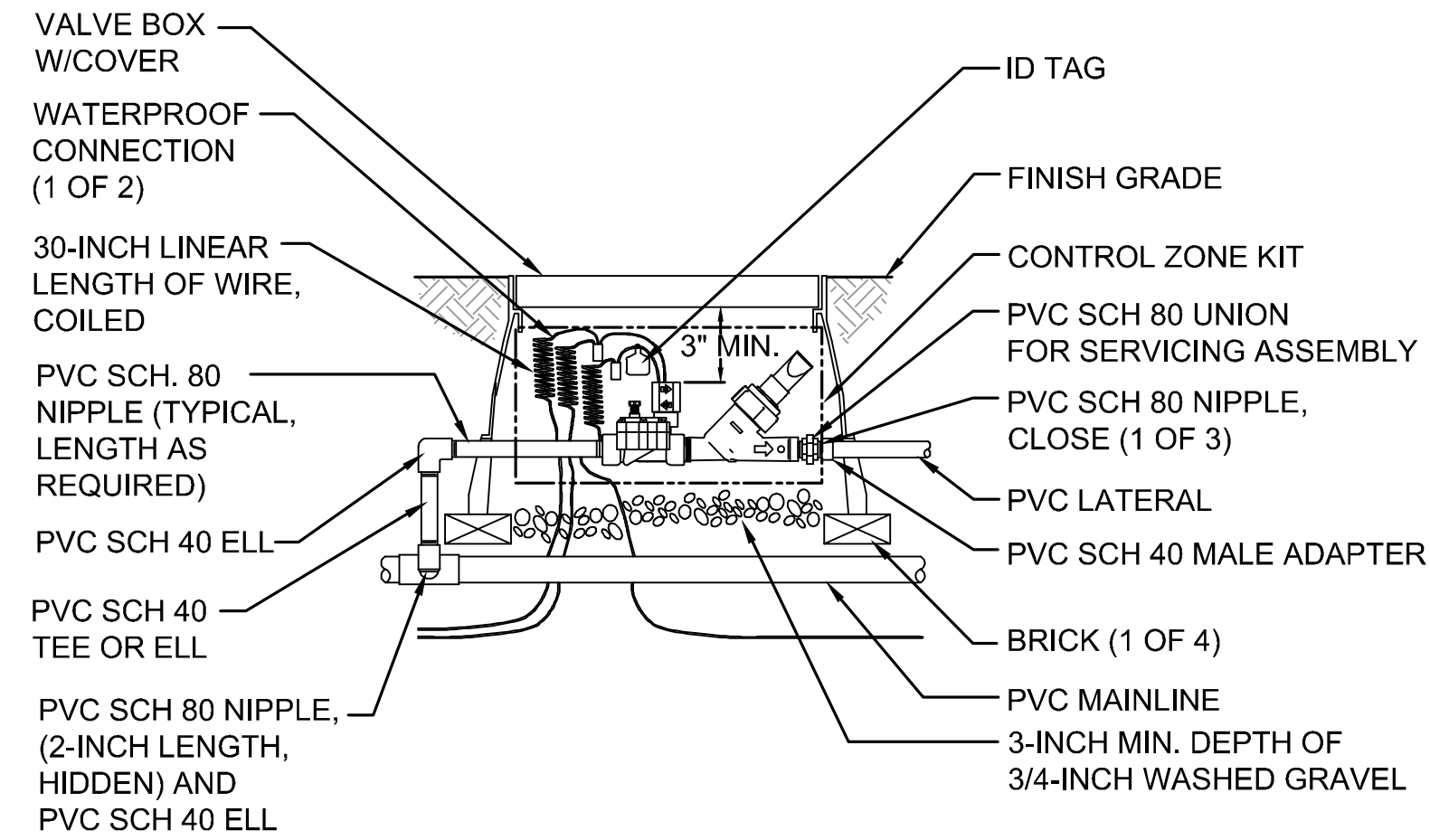
DATE:
12/11/2020

REVIEWED BY:
M. LU

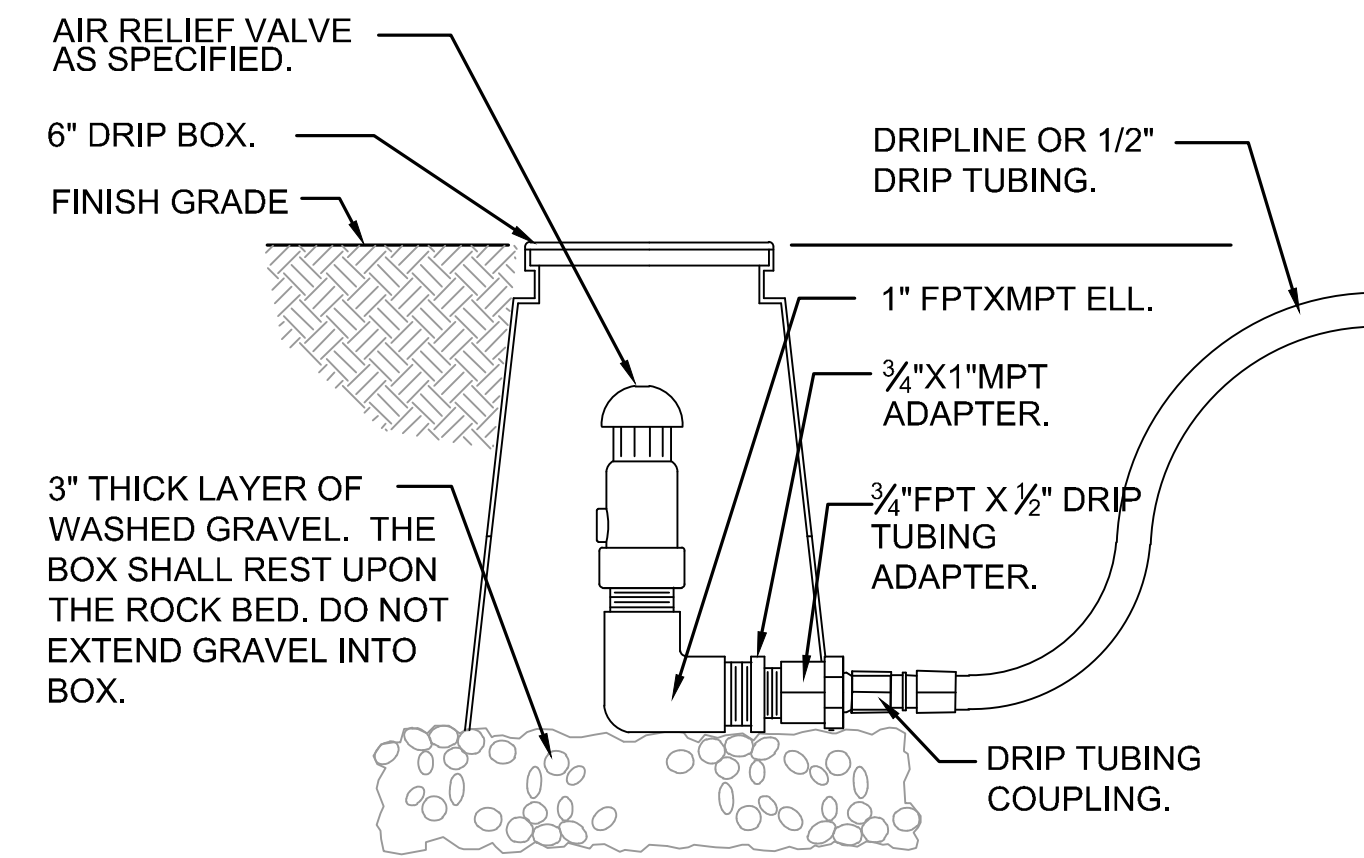
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12/11/2020



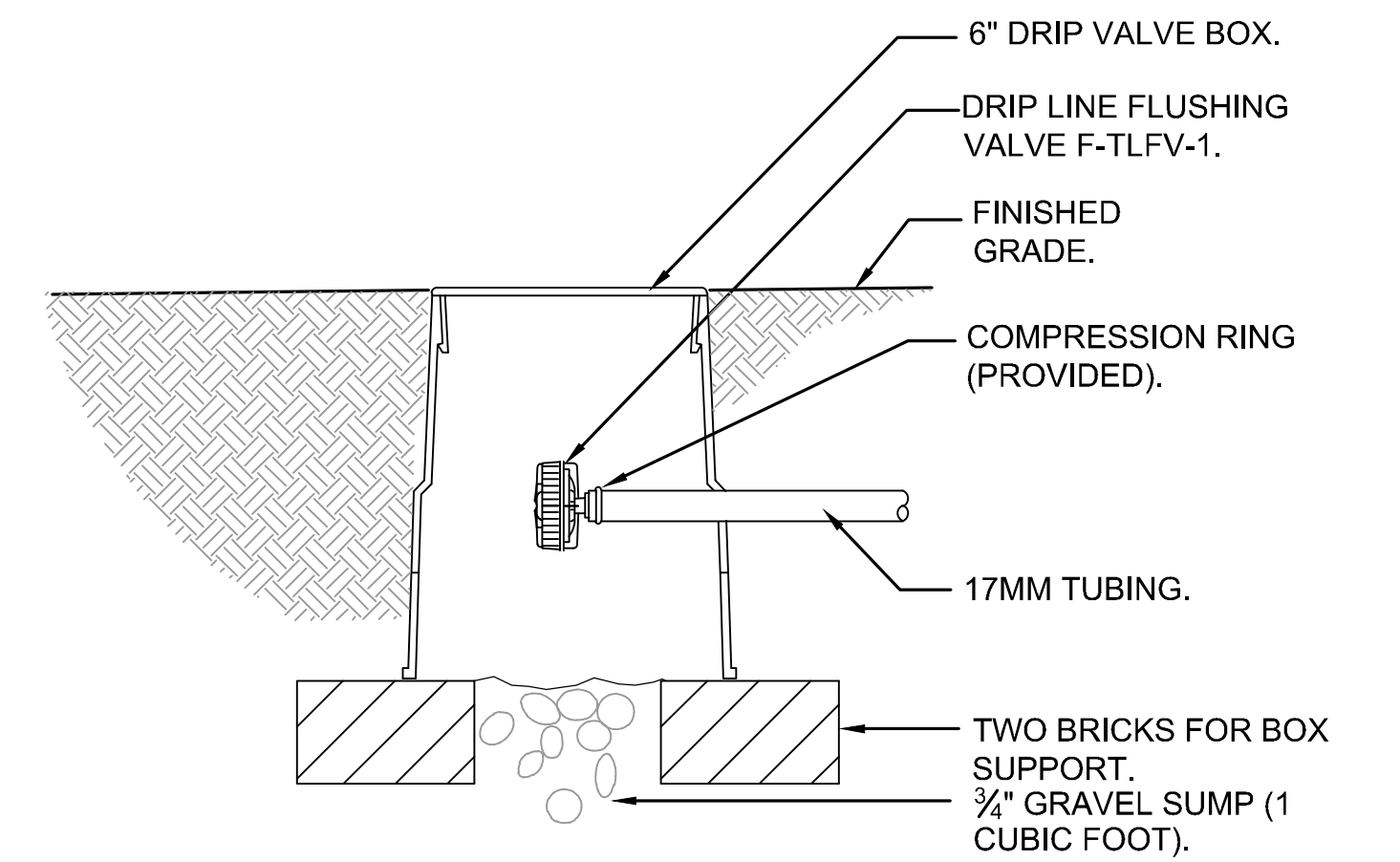
MANUAL DRAIN VALVE 1
NTS E07-LRP001 E07-LRP003



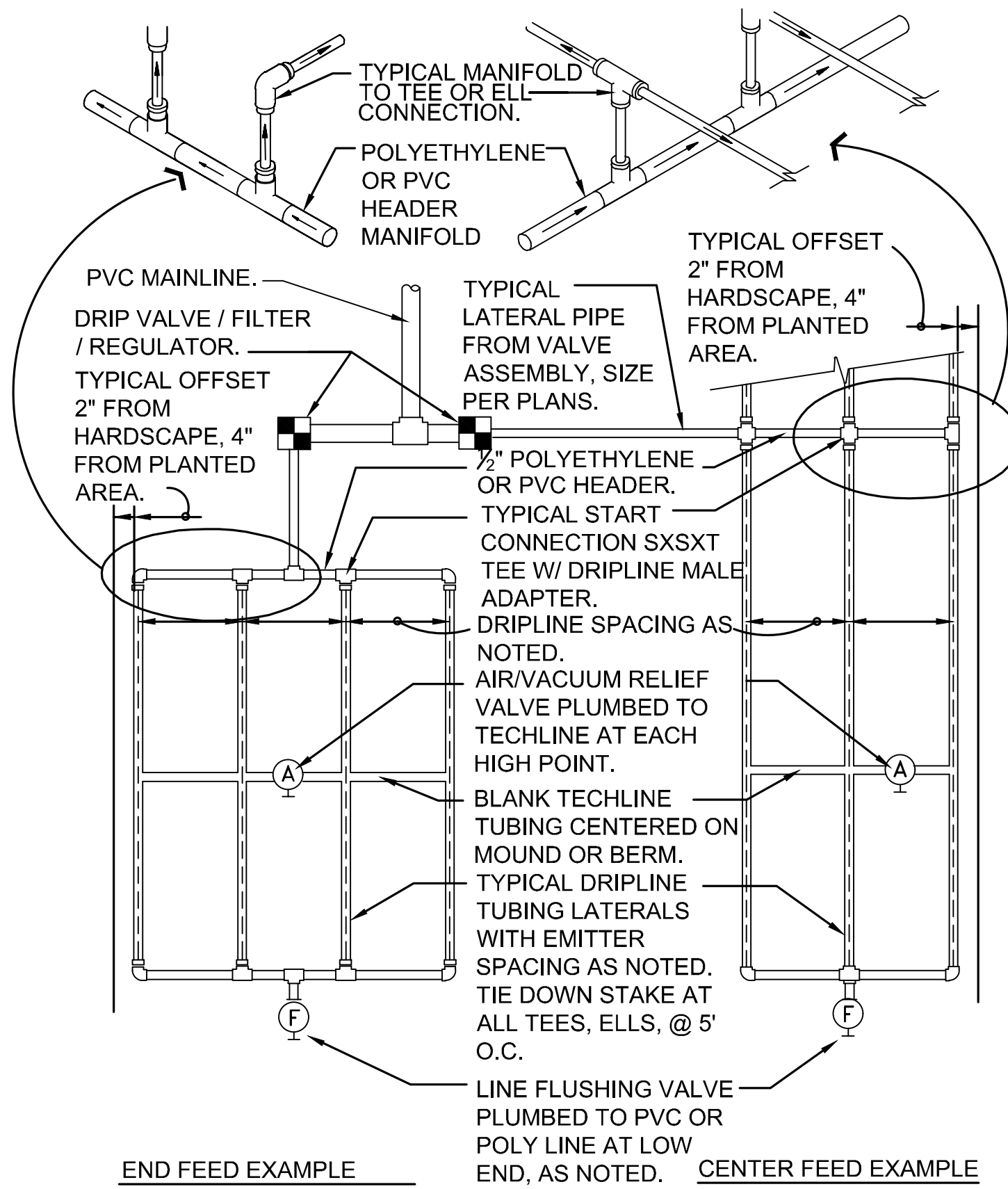
DRIP CONTROL ZONE KIT WITH SELF CLEANING FILTER 2
NTS E07-LRP003



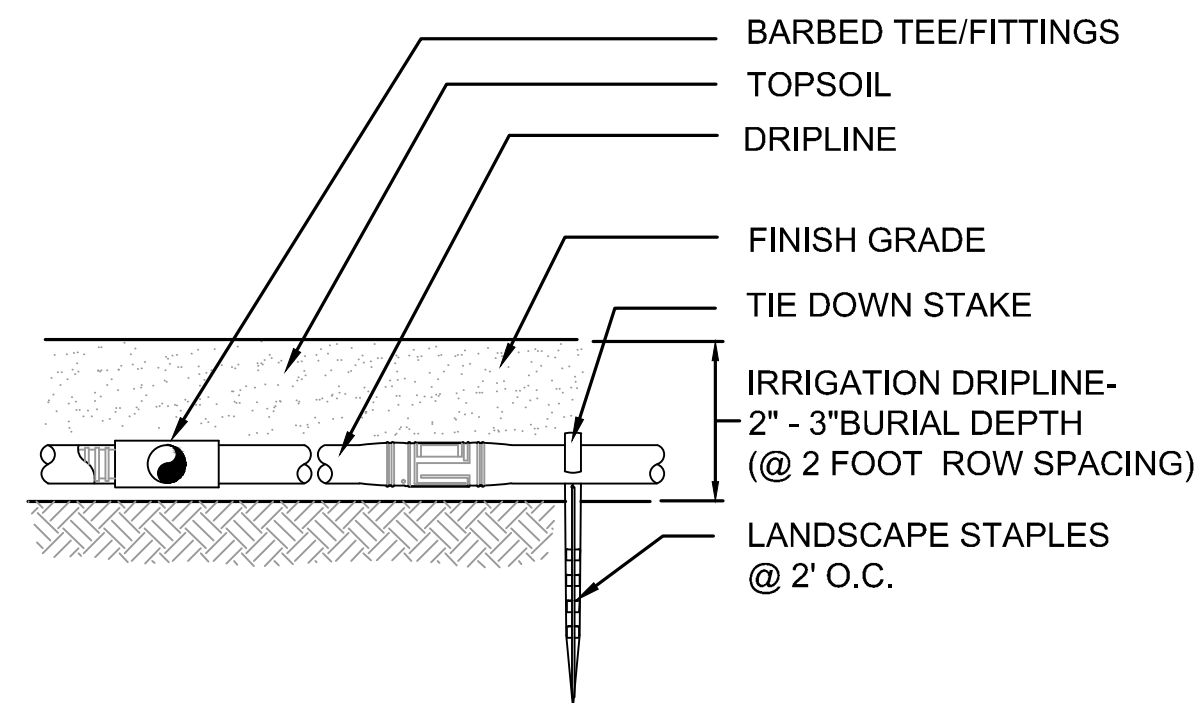
DRIP AIR RELIEF VALVE 3
NTS E07-LRP003



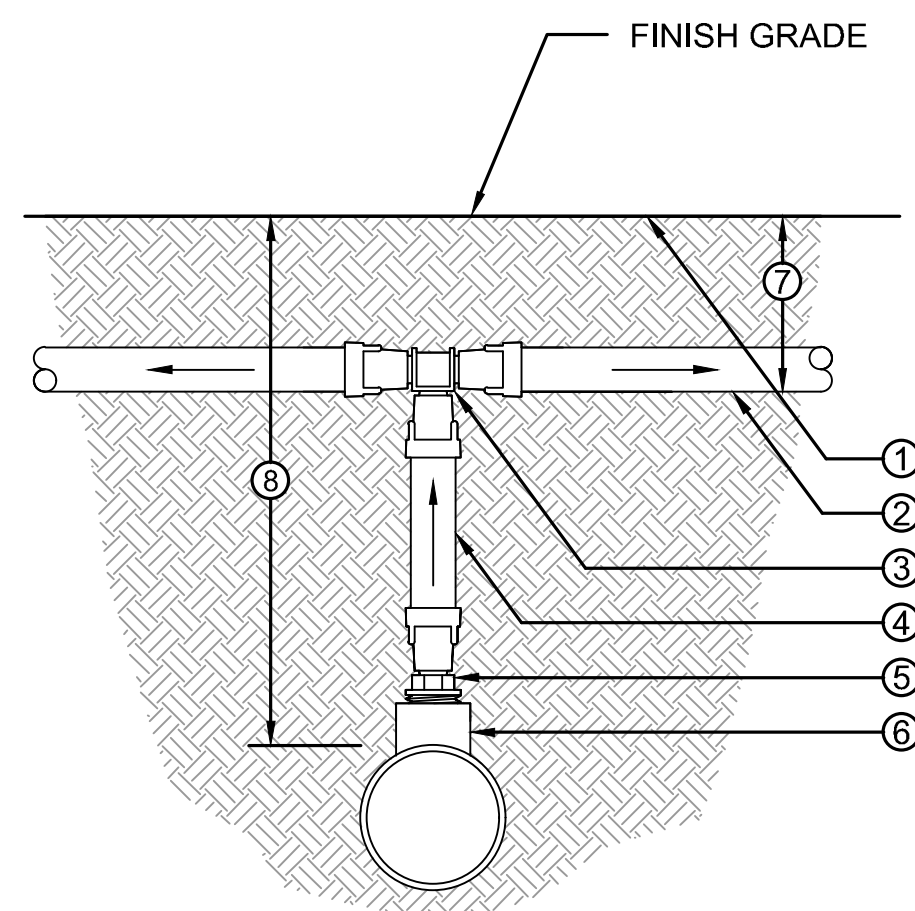
AUTOMATIC FLUSH VALVE 4
NTS E07-LRP003



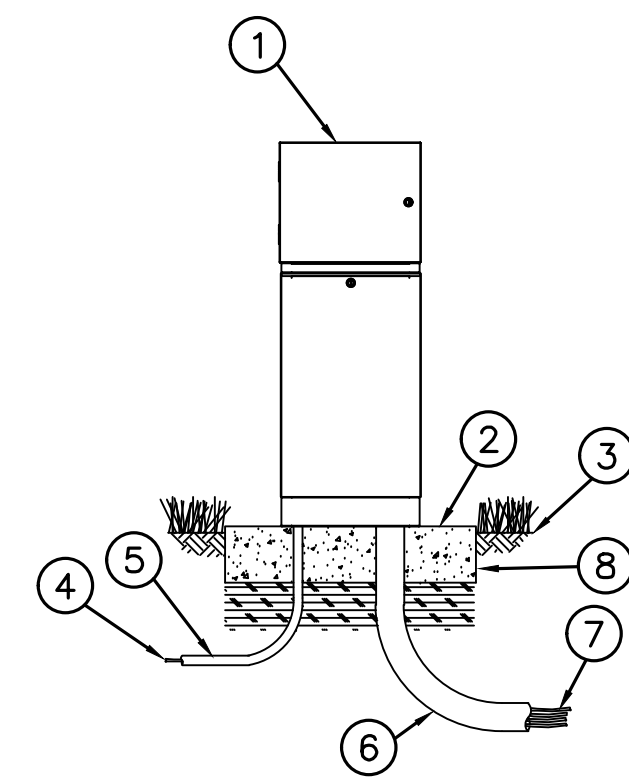
DRIPLINE MANIFOLD TEE CONNECTION 5
NTS E07-LRP003



IRRIGATION DRIPLINE 6
NTS E07-LRP003



- LEGEND**
1. FINISH GRADE
 2. DRIPLINE
 3. DRIPLINE INSERT TEE
 4. 17MM POLY TUBING
 5. 1/2" MPT ADAPTER
 6. PVC TEE (SxSxT) WITH 1/2" FPT OUTLET.
 7. 4" DEPTH OF TUBING
 8. DEPTH OF PVC SUPPLY LATERAL PER PLANS.



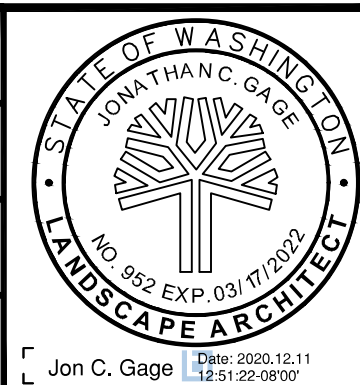
- LEGEND**
- 1 IRRIGATION CONTROLLER, METAL CABINET AND METAL PEDESTAL. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
 - 2 CONCRETE PAD: 26.25" LONG X 19.25" WIDE X 6" MINIMUM THICKNESS
 - 3 FINISH GRADE
 - 4 POWER SUPPLY WIRE
 - 5 1-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR POWER SUPPLY
 - 6 3-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR STATION WIRES
 - 7 WIRES TO REMOTE CONTROL VALVES
 - 8 COMPACTED SUBGRADE
- NOTES:**
- FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
 - PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

CONTROLLER ON PEDESTAL 7
NTS E07-LRP001 E07-LRP003

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ISSUED FOR BID

DESIGNED BY:
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