

CITY OF MERCER ISLAND KING COUNTY WASHINGTON



2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

PROJECT NUMBER: 21-25

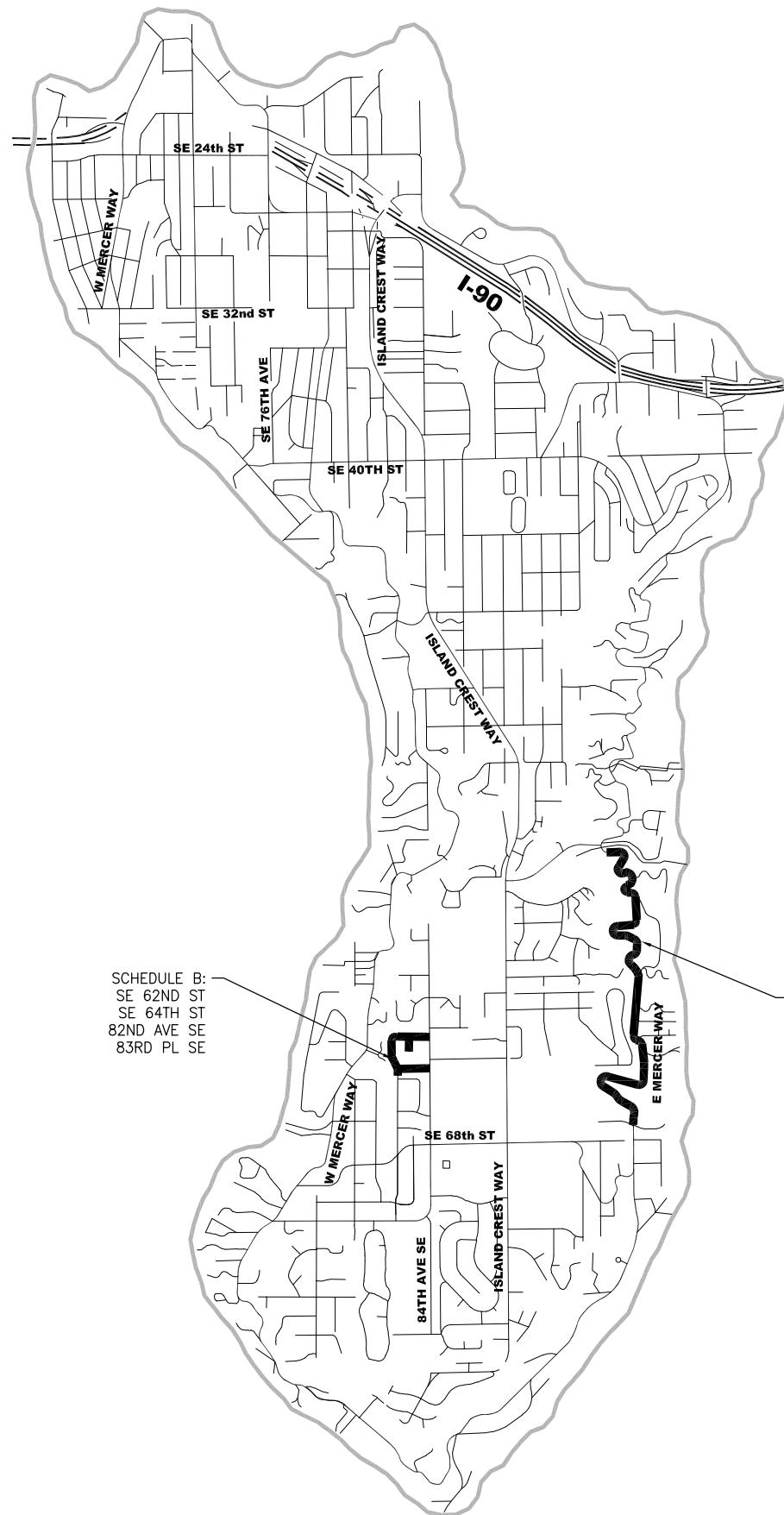
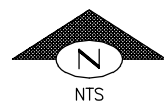
SCHEDULE A - ARTERIAL OVERLAY (EAST MERCER WAY)
SCHEDULE B - RESIDENTIAL OVERLAYS

APRIL 2021

BID DOCUMENT

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SCHEDULE B:
SE 62ND ST
SE 64TH ST
82ND AVE SE
83RD PL SE

SCHEDULE A:
E MERCER WAY

ABBREVIATIONS

AL	ALUMINUM	MH	MANHOLE
ACP	ASPHALT CONCRETE PAVEMENT	MIC	MONUMENT IN CASE
AP	ANGLE POINT	MIN	MINIMUM
ASPH	ASPHALT	MON	MONUMENT
AV	AIR & VACUUM VALVE	NE	NORTHEAST
AVE	AVENUE	NO	NUMBER
BC	BEGIN CURB	NW	NORTHWEST
BCR	BEGIN CURB RETURN	P	POWER
BV	BUTTERFLY VALVE	PA	POWER AERIAL
BM	BENCH MARK	PC	POINT OF CURVATURE
BO	BLOW OFF	PCC	PORTLAND CEMENT CONCRETE
CAP	CORRUGATED ALUMINUM PIPE	PE	PERFORATED PIPE
CATV	CABLE TELEVISION	PED	PEDESTAL
CB	CATCH BASIN	PI	POINT OF INTERSECTION
CEM	CEMENT	PL	PLASTIC PIPE
CI	CAST IRON	PP	POWER POLE
CL	CENTER LINE, CLASS	PRV	PRESSURE REDUCING VALVE
COMPT	COMPACTED	PS	PRESSURE SEWER
CONC	CONCRETE	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PV	POWER VAULT
CSP	CORRUGATED STEEL PIPE	PVC	POINT OF VERTICAL CURVATURE
CSBC	CRUSHED SURFACING BASE	PVI	POINT OF VERTICAL INTERSECTION
	COURSE	PVT	PRIVATE
CSTC	CRUSHED SURFACING TOP	PVMT	PAVEMENT
	COURSE	R	RADIUS
CU	YD CUBIC YARD DRAIN	RES	RESTRAINED JOINT PIPE
DI	DUCTILE IRON PIPE	RPM	RAISED PAVEMENT MARKER
DIA	DIAMETER	RT	RIGHT
DR	DRIVE	R/W	RIGHT-OF-WAY
DTL	DETAIL	SD	STORM DRAIN
DWY	DRIVEWAY	SDMH	STORM DRAIN MANHOLE
ELEV	ELEVATION	SE	SOUTHEAST
EC	END CURB	SP	SIGNAL POLE
EP	EDGE OF PAVEMENT	SQFT	SQUARE FEET
ES	EDGE OF SHOULDER	SR	STORM RETENTION
EX	EXISTING	SS	SANITARY SEWER
FB	FIELD BOOK	SSMH	SANITARY SEWER MANHOLE
FH	FIRE HYDRANT	ST	STREET
FL	FLUME	STA	STATION
FSV	FIRE SERVICE VAULT	SW	SIDEWALK, SOUTHWEST
FT	FEET	TAN	TANGENT
G	GAS MAIN, GUTTER, GRADE	TBM	TEMPORARY BENCH MARK
GAV	GAS VALVE	TEL	TELEPHONE
GV	GATE VALVE	TA	TELEPHONE AERIAL
GVL	GRAVEL	TR	TELEPHONE RISER
HMA	HOT MIX ASPHALT	TELV	TELEPHONE VAULT
IE	INVERT ELEVATION	TYP	TYPICAL
IN	INCH	UP	UTILITY POLE
JB	JUNCTION BOX	W	WATER MAIN
LAND	LANDSCAPING	WC	WATERCOURSE
LF	LINEAR FEET	WM	WATER METER
LT	LEFT	WV	WATER VALVE
MAX	MAXIMUM	WS	WATER SERVICE LINE
MB	MAILBOX		

LEGEND

-----	SAWCUT OR PLANING LIMIT
////	BUTT JOINT
xxxxxx	EDGE GRIND
=====	HMA BERM OR NEW CONC CURB
=====	HMA THICKENED EDGE
[+ + +]	REMOVE ACP
[---]	PLANING BITUMINOUS PAVEMENT, 2" DEPTH
[■]	HMA FOR PAVEMENT REPAIR, PER PLAN AND TYPICAL SECTION
[//]	HMA FOR PRELEVEL PER PLAN AND TYPICAL SECTION (PAID AS HMA FOR PAVING)
[■]	HMA FOR PAVING PER PLAN AND TYPICAL SECTION

GENERAL NOTES

- ADJUST ALL SURFACE UTILITIES WITHIN PAVING LIMITS TO GRADE UNLESS NOTED OTHERWISE OR DIRECTED BY ENGINEER.
- REMOVAL LIMITS ARE APPROXIMATE. LIMITS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. TREES WITHIN THE CLEARING LIMITS SHALL BE REMOVED AFTER APPROVAL BY THE ENGINEER.
- STATIONS SHOWN ARE APPROXIMATE.
- DIMENSIONS SHOWN IN OVERLAY PLANS ARE PAVING WIDTHS.
- DRIVEWAY ACCESS/EGRESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED TO BY THE PROPERTY OWNER.
- CALL ONE CALL 48 HOURS BEFORE YOU DIG FOR UTILITY LOCATES: 1-800-424-5555
- REMOVE ALL PAVEMENT MARKINGS WITHIN PAVING LIMITS PRIOR TO PAVING.
- CITY OF MERCER ISLAND SHALL PROVIDE NEW SEWER MANHOLE RINGS AND COVERS, NEW WATER VALVE BOXES, AND NEW WATER METER BOXES.
- CONTRACTOR SHALL PROVIDE NEW CATCH BASIN FRAMES, GRATES, AND SOLID LIDS.
- PRESERVE AND PROTECT ALL PLANT MATERIAL OUTSIDE OF SURFACE REMOVAL LIMITS.
- PRESERVE AND PROTECT ALL EXISTING IRRIGATION SYSTEMS OUTSIDE OF SURFACE REMOVAL LIMITS.
- CONTRACTOR SHALL INSTALL INLET PROTECTION, PER DTL 1/12, AT ALL EXISTING AND NEW CATCH BASINS WITHIN THE PROJECT LIMITS AS WELL AS DOWNSTREAM OF THE WORK AREA AS DIRECTED BY THE ENGINEER.

GENERAL CHANNELIZATION AND SIGNAGE NOTES

- REMOVE ALL CONFLICTING CHANNELIZATION.
- ALL PAVEMENT MARKING MATERIAL SHALL CONFORM TO THE "STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION," 2018 EDITION, UNLESS OTHERWISE SPECIFIED BY THE SPECIAL PROVISIONS.
- PLACE ONE BLUE TYPE 2 RPM AT EACH FIRE HYDRANT.

ESTIMATED PROJECT QUANTITIES

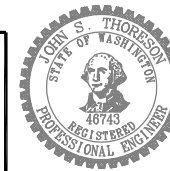
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SCHEDULE A - ARTERIAL OVERLAY									
EAST MERCER WAY	SE 53RD PL	SE 68TH ST	4-13	6,949	29	615	1,450	250	4,100
SCHEDULE B - RESIDENTIAL OVERLAYS									
82ND AVE SE	SE 62ND ST	SE 70TH ST	24-25	574	33	300	-	-	410
SE 62ND ST	82ND AVE SE	84TH AVE SE	25	619	35	-	-	-	640
83RD PL SE	SE 62ND ST	END	26	270	35	100	-	-	215
SE 64TH ST	82ND AVE SE	END	24	525	29	-	-	-	485

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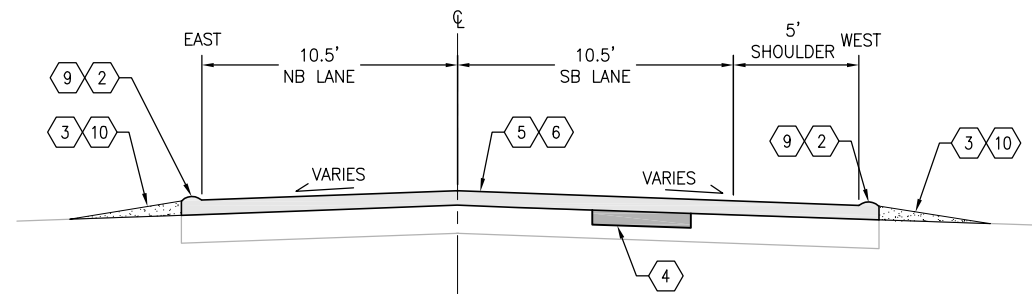
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 NOTES, LEGEND, AND QUANTITIES

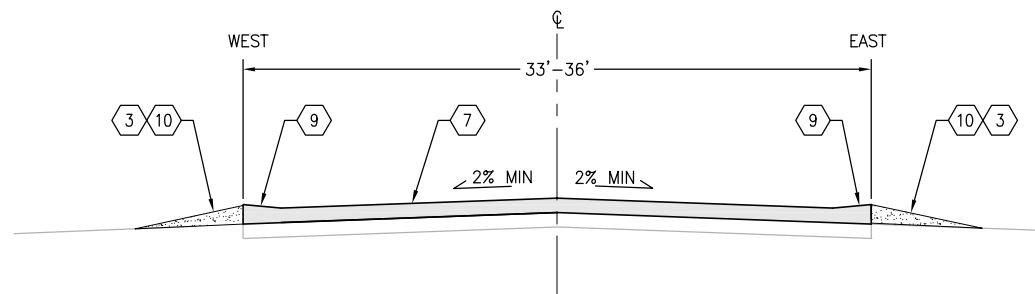
PROJECT	21-25
SCALE	NONE
SHEET	2 OF 30



NOTE:
EX ROAD SECTION: 5.5"-11.5" ACP OVER CSBC, SANDY FILL OR GRAVEL BORROW FILL.

E MERCER WAY (STA 12+05 TO STA 81+54)

A TYPICAL SECTION - SCHEDULE A
4-13 NTS



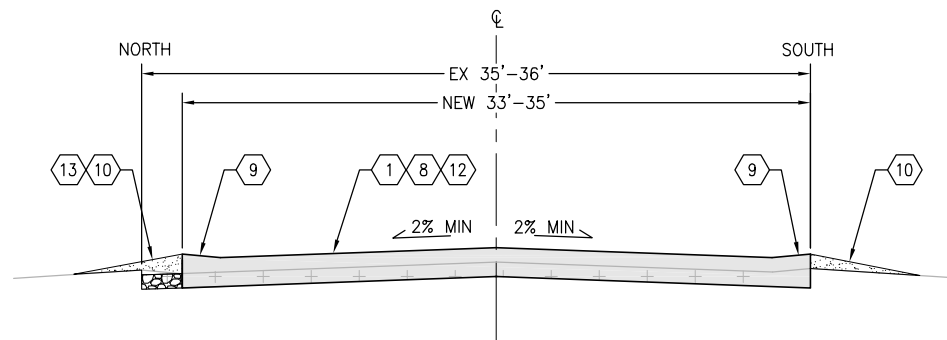
NOTE:
EX ROAD SECTION: 2" ACP OVER 3" CSTC OR CSBC.

82ND AVE SE (STA 10+38 TO STA 14+85)

B TYPICAL SECTION - SCHEDULE B
24-25 NTS

SECTION NOTES

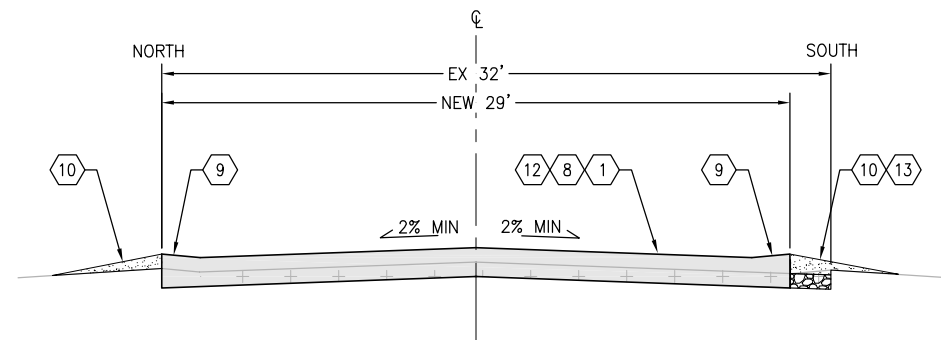
- 1 REMOVE ACP AS FIELD MARKED, FULL DEPTH
- 2 HMA BERM, PER DTL 10/34, AS FIELD MARKED
- 3 EDGE GRIND AND PAVE DRIVEWAY APPROACH PER DTL 11/34, AS FIELD MARKED
- 4 PAVEMENT REPAIR, PER DTL 2/34, AS FIELD MARKED, WITH HMA FOR PAVEMENT REPAIR CL 1/2" PG 58H-22
- 5 PRELEVEL, AS FIELD MARKED, WITH HMA FOR PAVING CL 1/2" PG 58H-22
- 6 OVERLAY, 2" TYP, PER DTL 2/34, WITH HMA FOR PAVING CL 1/2" PG 58H-22
- 7 OVERLAY, 2" TYP, PER DTL 2/34, WITH HMA FOR PAVING CL B
- 8 HMA RESIDENTIAL ROAD, PER DTL 3/34, WITH 4" HMA FOR PAVING CL B OVER EX ROADWAY BASE OR CSTC WITH EX ROADWAY BASE
- 9 HMA THICKENED EDGE, PER DTL 12/34, AS FIELD MARKED
- 10 RESTORE SHOULDER WITH CSTC, BARK MULCH, OR TOPSOIL AND GRASS SEED AS DIRECTED BY ENGINEER PER DTL 9/34
- 11 PRELEVEL, AS FIELD MARKED, WITH HMA FOR PAVING CL B
- 12 OVEREXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACKFILL W/ CSTC (OR CSBC) AS DIRECTED BY ENGINEER
- 13 BACKFILL WITH BOTTOM LIFT OF 3" CSTC. RESTORE SHOULDER PER NOTE 10.



NOTE:
EX ROAD SECTION: 2.25"-4.0" ACP OVER 2"-4.5" CSTC OR CSBC.

SE 62ND ST (STA 14+85 TO STA 21+04)

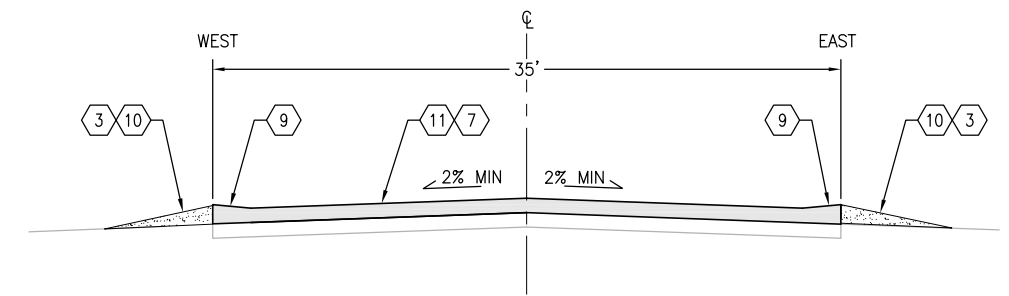
C TYPICAL SECTION - SCHEDULE B
25 NTS



NOTE:
EX ROAD SECTION: 2.25"-4.0" ACP OVER 2"-4.5" CSTC OR CSBC.

SE 64TH ST (STA 70+20 TO STA 75+45)

D TYPICAL SECTION - SCHEDULE B
24 NTS



NOTE:
EX ROAD SECTION: 2" ACP OVER 3" CSTC OR CSBC.

83RD PL SE (STA 80+00 TO STA 82+41)

E TYPICAL SECTION - SCHEDULE B
26 NTS

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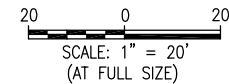
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
TYPICAL SECTIONS

PROJECT	21-25
SCALE	NONE
SHEET	3 OF 30

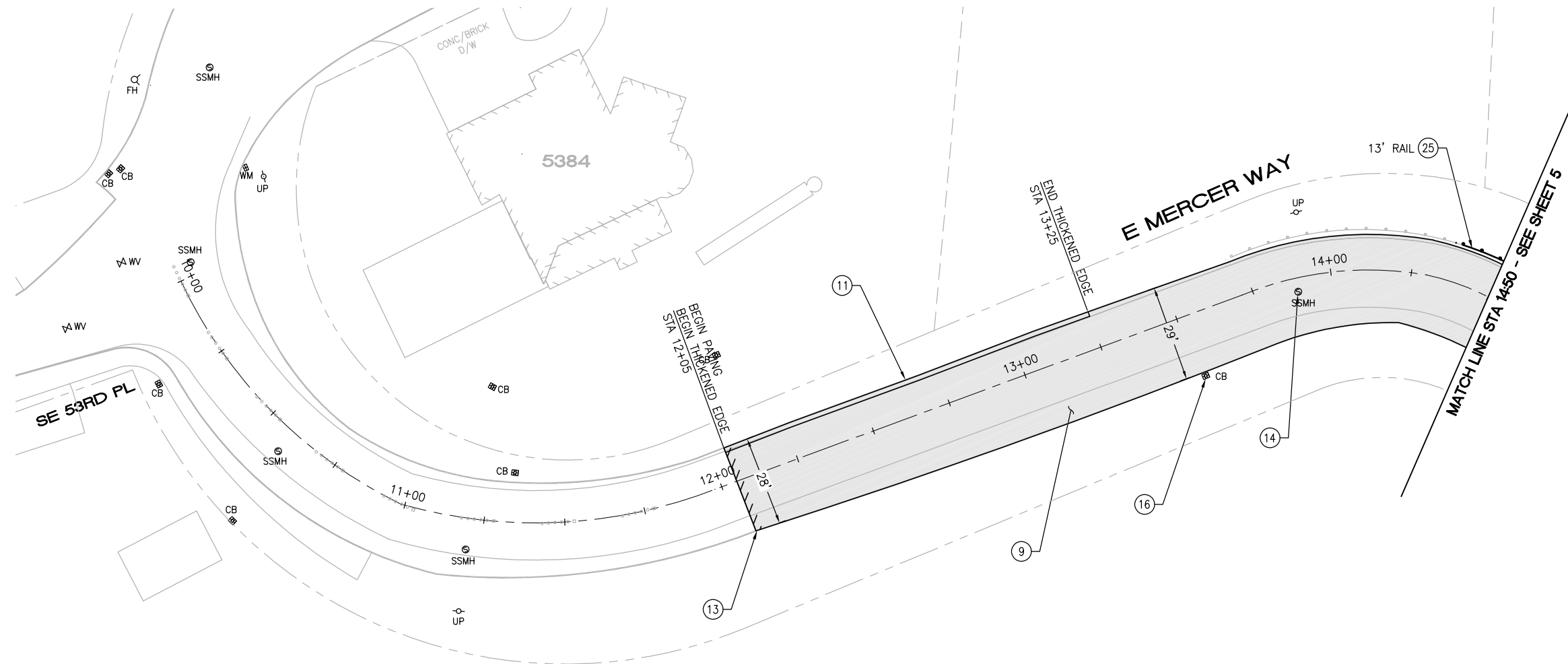


GENERAL NOTE

1. SEE CHANNELIZATION PLANS FOR LOCATIONS TO ADJUST ROADWAY CROWN AND CENTERLINE STRIPING PRIOR TO PRELEVELING AND PAVING. VERIFY CROWN ADJUSTMENTS WITH ENGINEER.

CONSTRUCTION NOTES

- 1 SAWCUT, FULL DEPTH
- 2 REMOVE EX THICKENED EDGE
- 3 REMOVE CEM CONC DRIVEWAY
- 4 REMOVE ACP AS FIELD MARKED. FULL DEPTH
- 5 ROADWAY WIDENING, AS FIELD MARKED, PER HMA PAVEMENT REPAIR DTL /27
- 6 PAVEMENT REPAIR PER DTL 6/27, AS FIELD MARKED, WITH HMA FOR PAVEMENT REPAIR CL 1/2" PG 58H-22
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- 27 INSTALL NEW BEAM GUARDRAIL TYPE 31 WITH WOOD POSTS PER WSDOT STD PLAN C-20.10-06/SHT 29



OVERLAY PLAN



OVERLAY PLAN LOCATION

KEY MAP

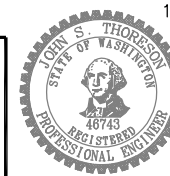
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 206-659-0612

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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
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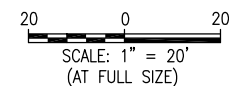
SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT 21-25

SCALE 1"=20'

SHEET

4 OF 30

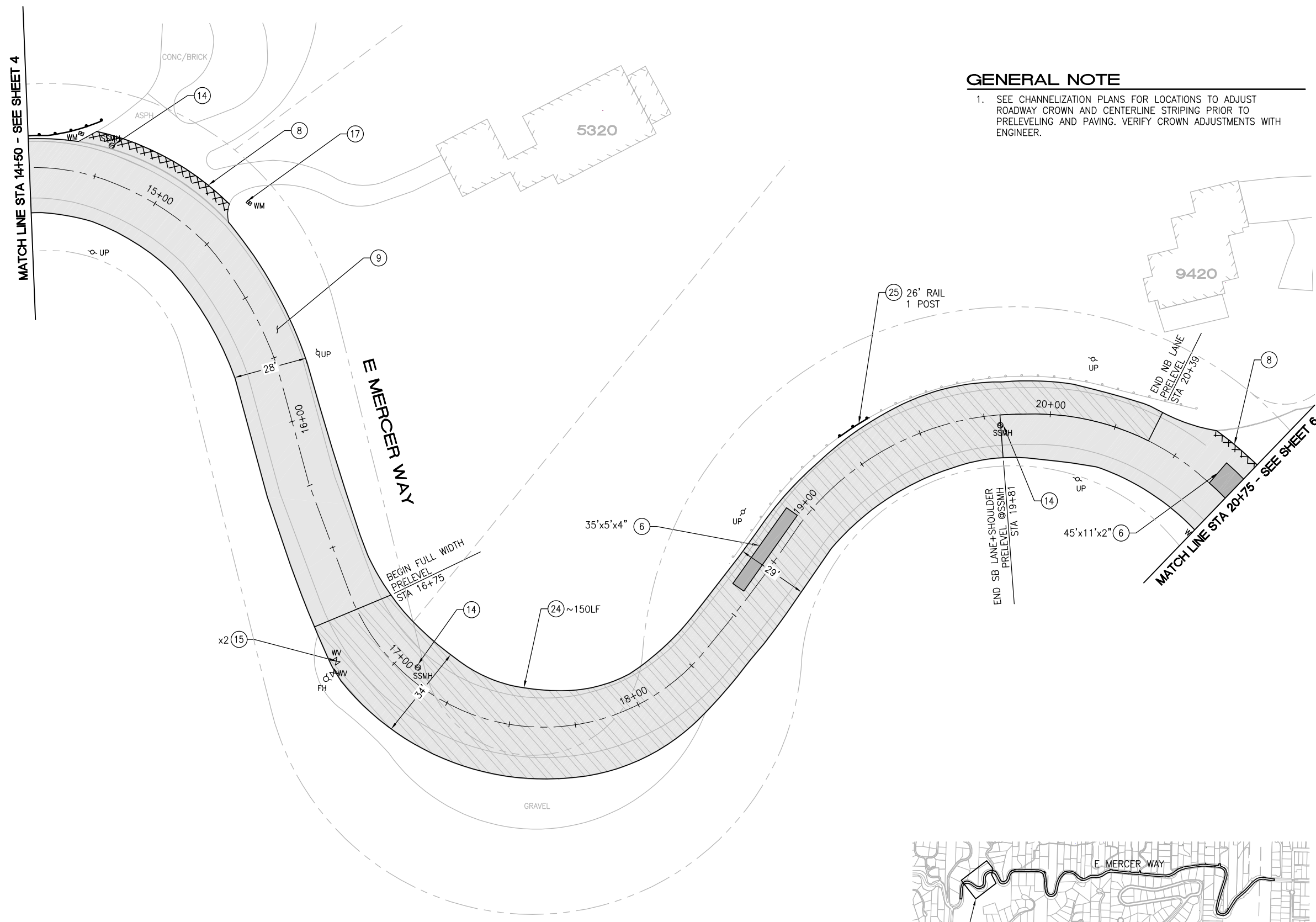


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OVERLAY PLAN



KEY MAP
1"=800'

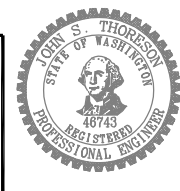
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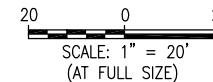


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CHECK	JUST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	5 OF 30



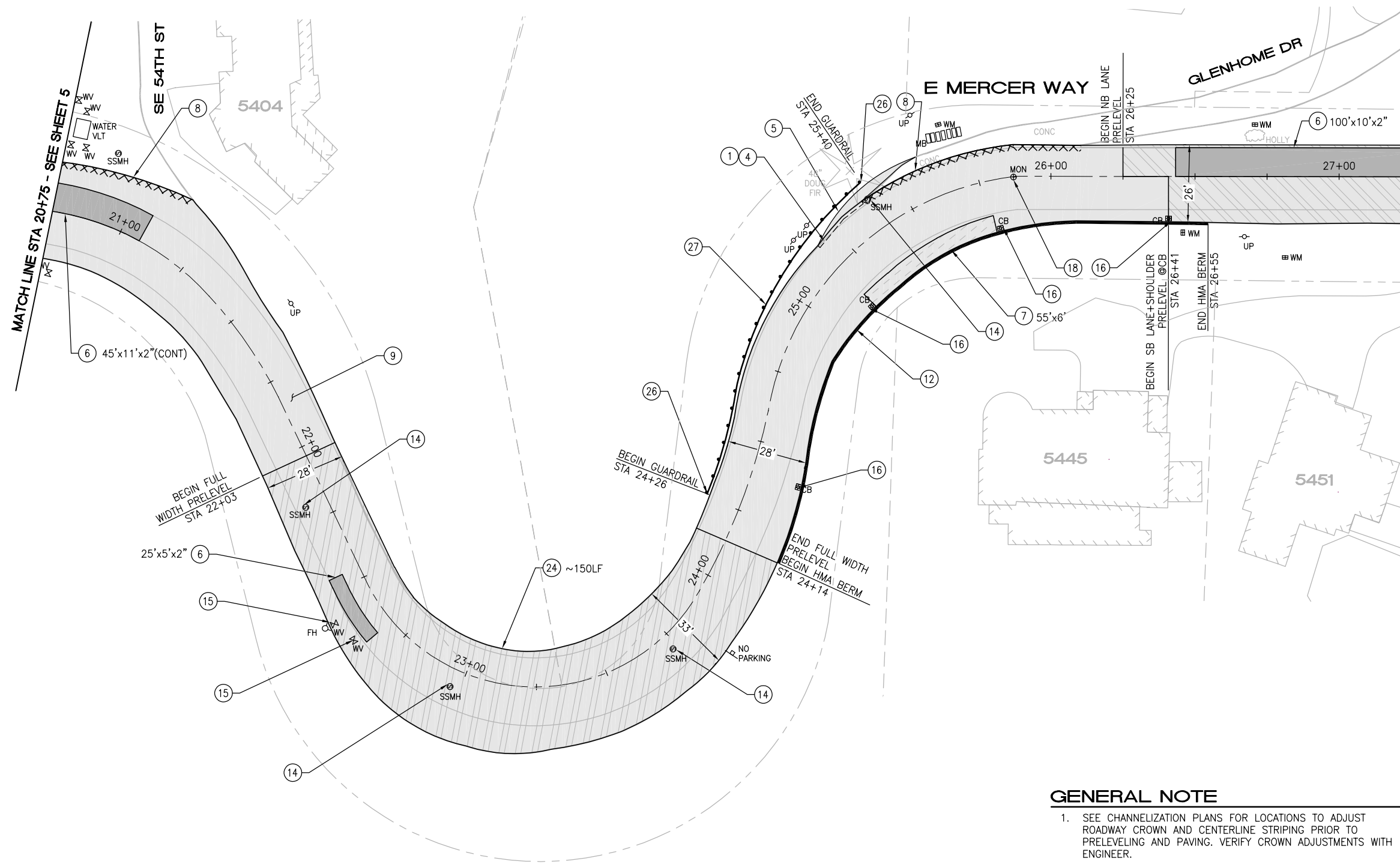
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GENERAL NOTE

1. SEE CHANNELIZATION PLANS FOR LOCATIONS TO ADJUST ROADWAY CROWN AND CENTERLINE STRIPING PRIOR TO PRELEVELING AND PAVING. VERIFY CROWN ADJUSTMENTS WITH ENGINEER.

OVERLAY PLAN



OVERLAY PLAN LOCATION

KEY MAP

1"=800'

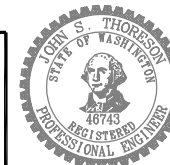
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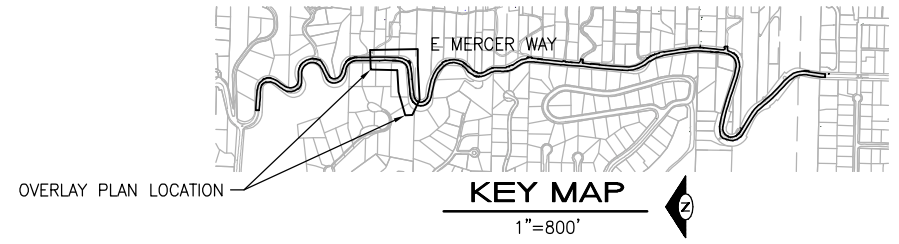
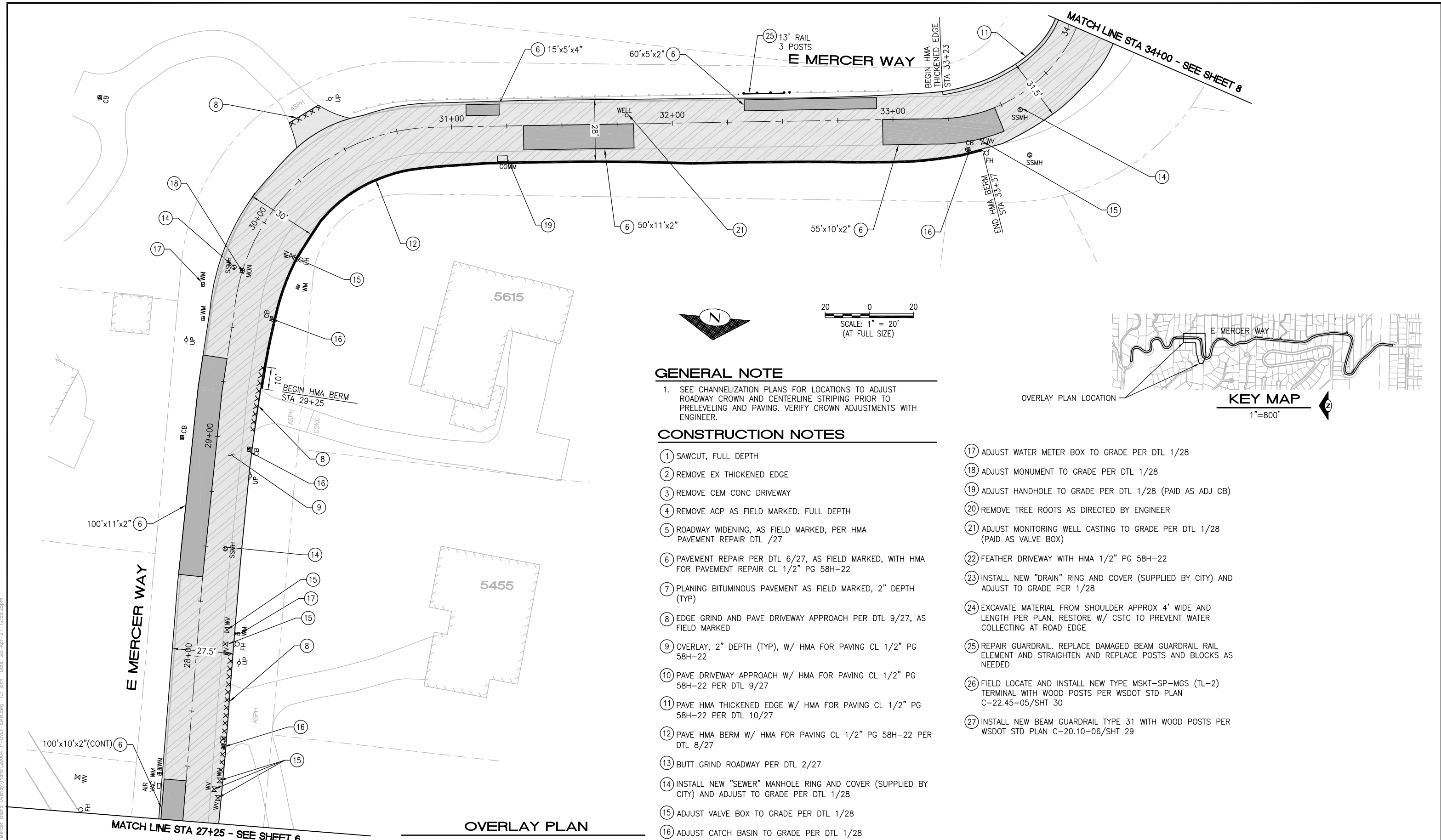
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DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	6 OF 30

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GENERAL NOTE

1. SEE CHANNELIZATION PLANS FOR LOCATIONS TO ADJUST ROADWAY CROWN AND CENTERLINE STRIPING PRIOR TO PRELEVELING AND PAVING. VERIFY CROWN ADJUSTMENTS WITH ENGINEER.

CONSTRUCTION NOTES

- 1 SAWCUT, FULL DEPTH
- 2 REMOVE EX THICKENED EDGE
- 3 REMOVE CEM CONC DRIVEWAY
- 4 REMOVE ACP AS FIELD MARKED. FULL DEPTH
- 5 ROADWAY WIDENING, AS FIELD MARKED, PER HMA PAVEMENT REPAIR DTL /27
- 6 PAVEMENT REPAIR PER DTL 6/27, AS FIELD MARKED, WITH HMA FOR PAVEMENT REPAIR CL 1/2" PG 58H-22
- 7 PLANING BITUMINOUS PAVEMENT AS FIELD MARKED, 2" DEPTH (TYP)
- 8 EDGE GRIND AND PAVE DRIVEWAY APPROACH PER DTL 9/27, AS FIELD MARKED
- 9 OVERLAY, 2" DEPTH (TYP), W/ HMA FOR PAVING CL 1/2" PG 58H-22
- 10 PAVE DRIVEWAY APPROACH W/ HMA FOR PAVING CL 1/2" PG 58H-22 PER DTL 9/27
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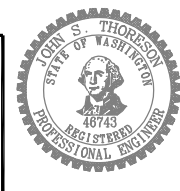
OVERLAY PLAN



CM DESIGN GROUP
 1318 East Pike Street
 Seattle, WA 98122
 206-659-0612

REV. NO.	DATE	DESCRIPTION

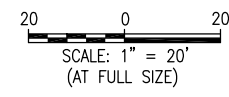
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DESIGN	JST
DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
 SCHEDULE A
E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1" = 20'
SHEET	7 OF 30



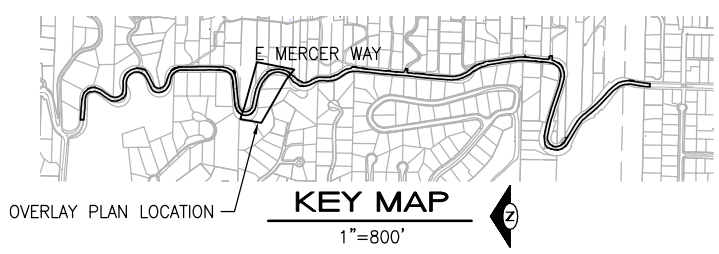
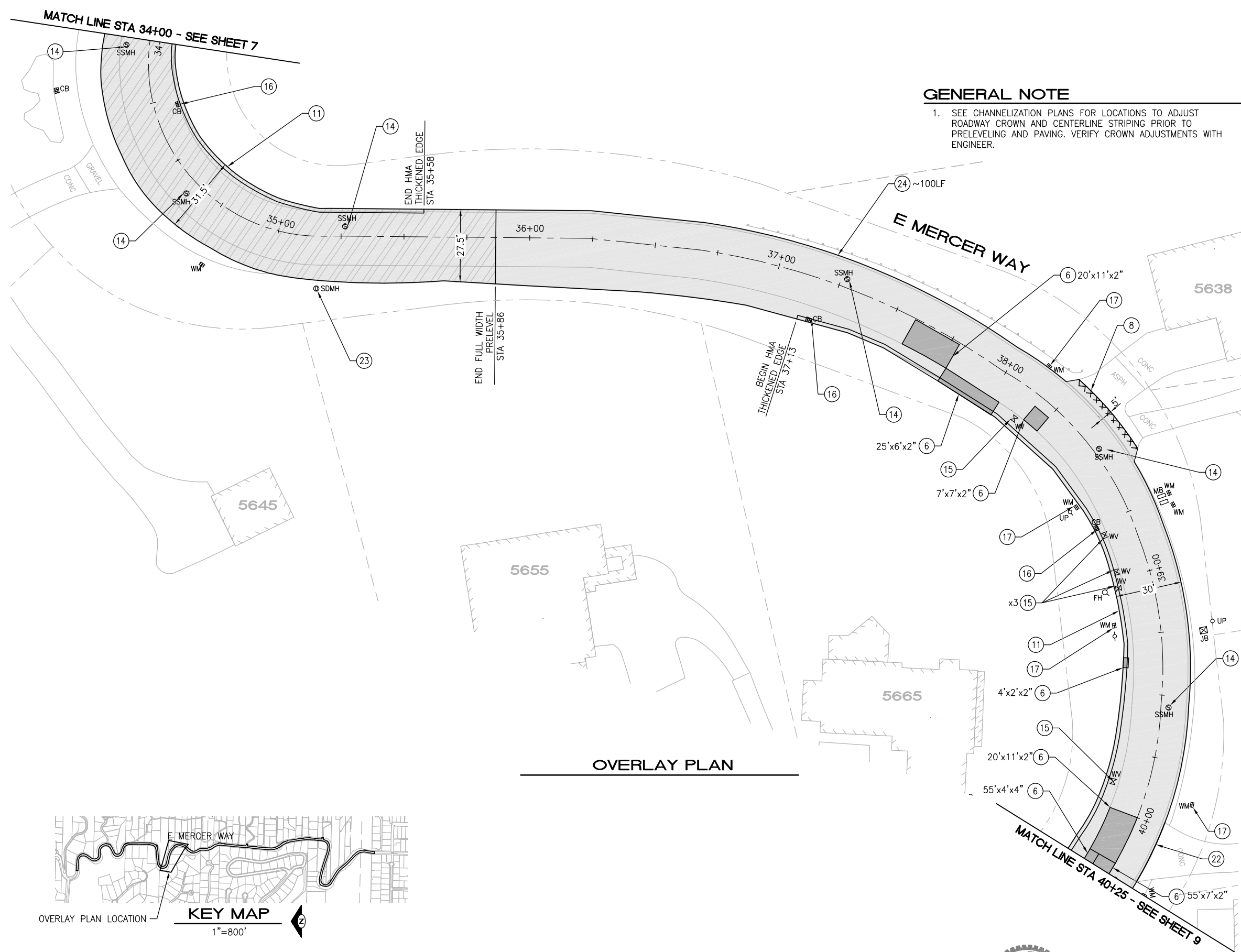
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OVERLAY PLAN



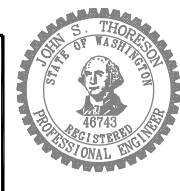
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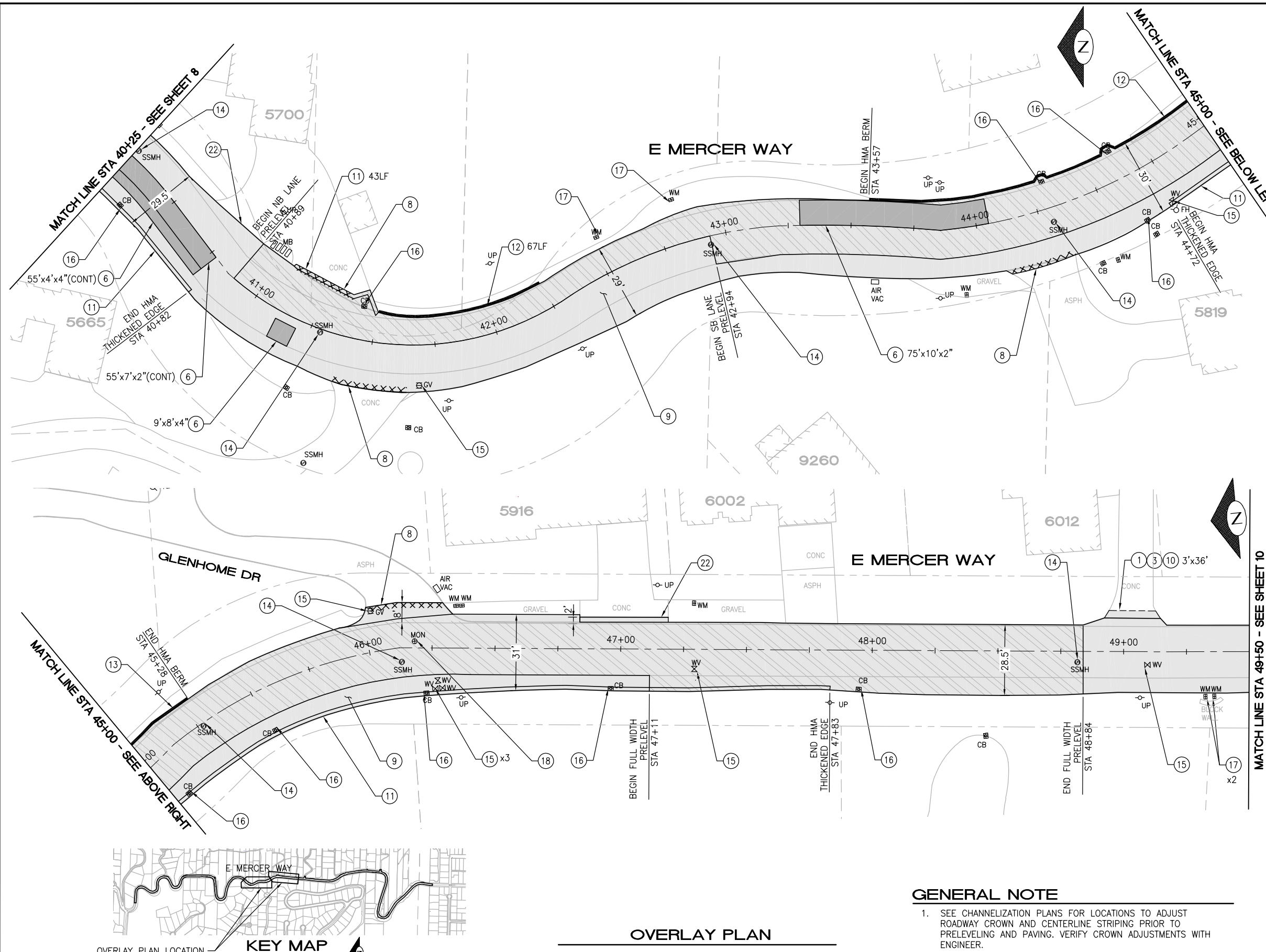
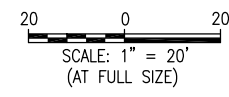
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DATE	4/23/21
DESIGN	JST
DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1" = 20'
SHEET	8 OF 30



CONSTRUCTION NOTES

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GENERAL NOTE

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OVERLAY PLAN

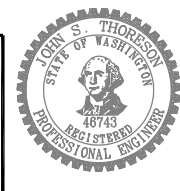
OVERLAY PLAN LOCATION
KEY MAP
1"=800'



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Seattle, WA 98122
206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

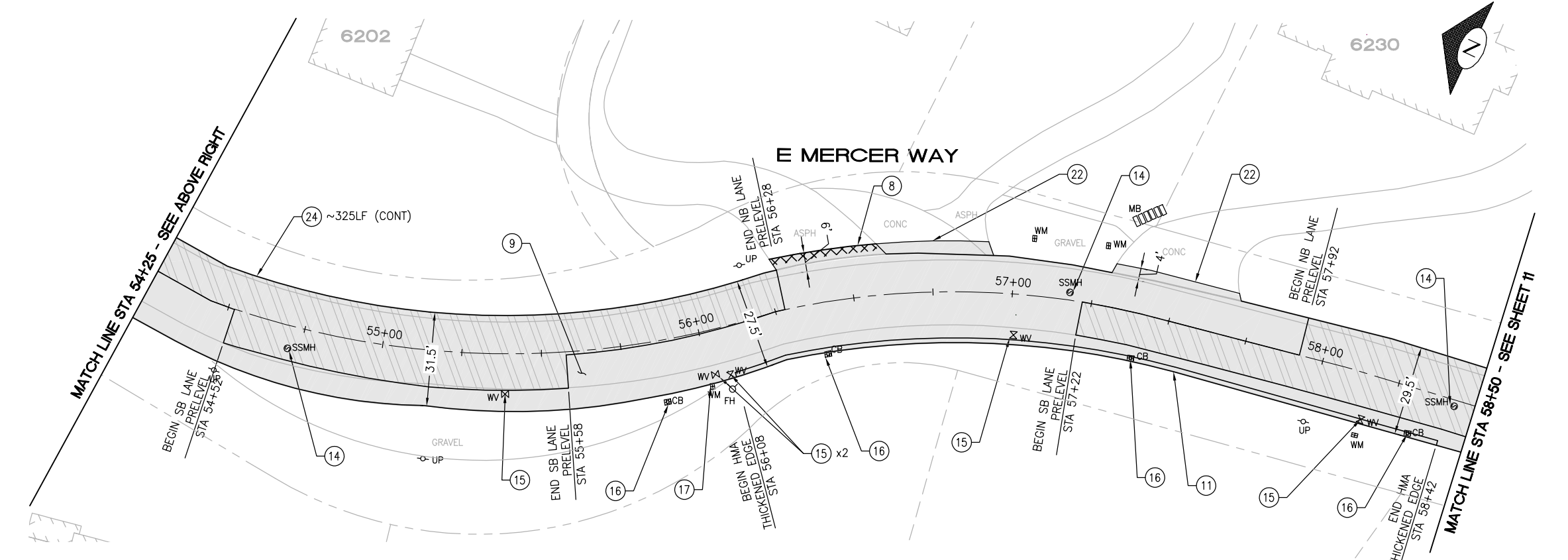
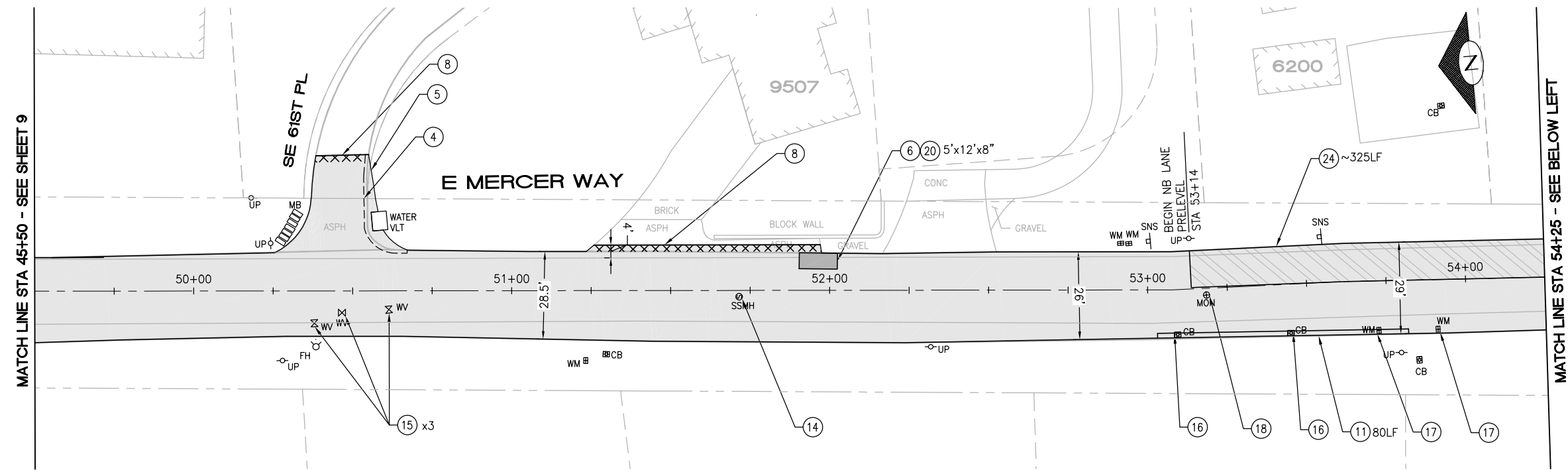
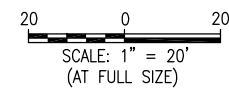


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DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
SCHEDULE A
E MERCER WAY
ARTERIAL OVERLAY

PROJECT 21-25
SCALE 1"=20'
SHEET **9** OF **30**

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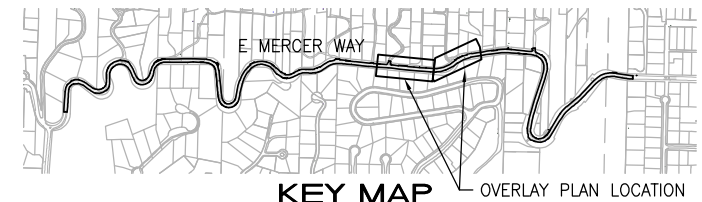
CONSTRUCTION NOTES

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OVERLAY PLAN

GENERAL NOTE

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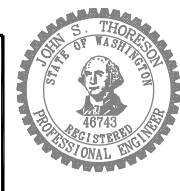
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 1318 East Pike Street
 Seattle, WA 98122
 206-659-0612

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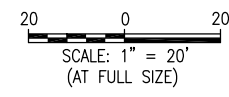


DATE	4/23/21
DESIGN	JST
DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

SCHEDULE A
E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	10 OF 30

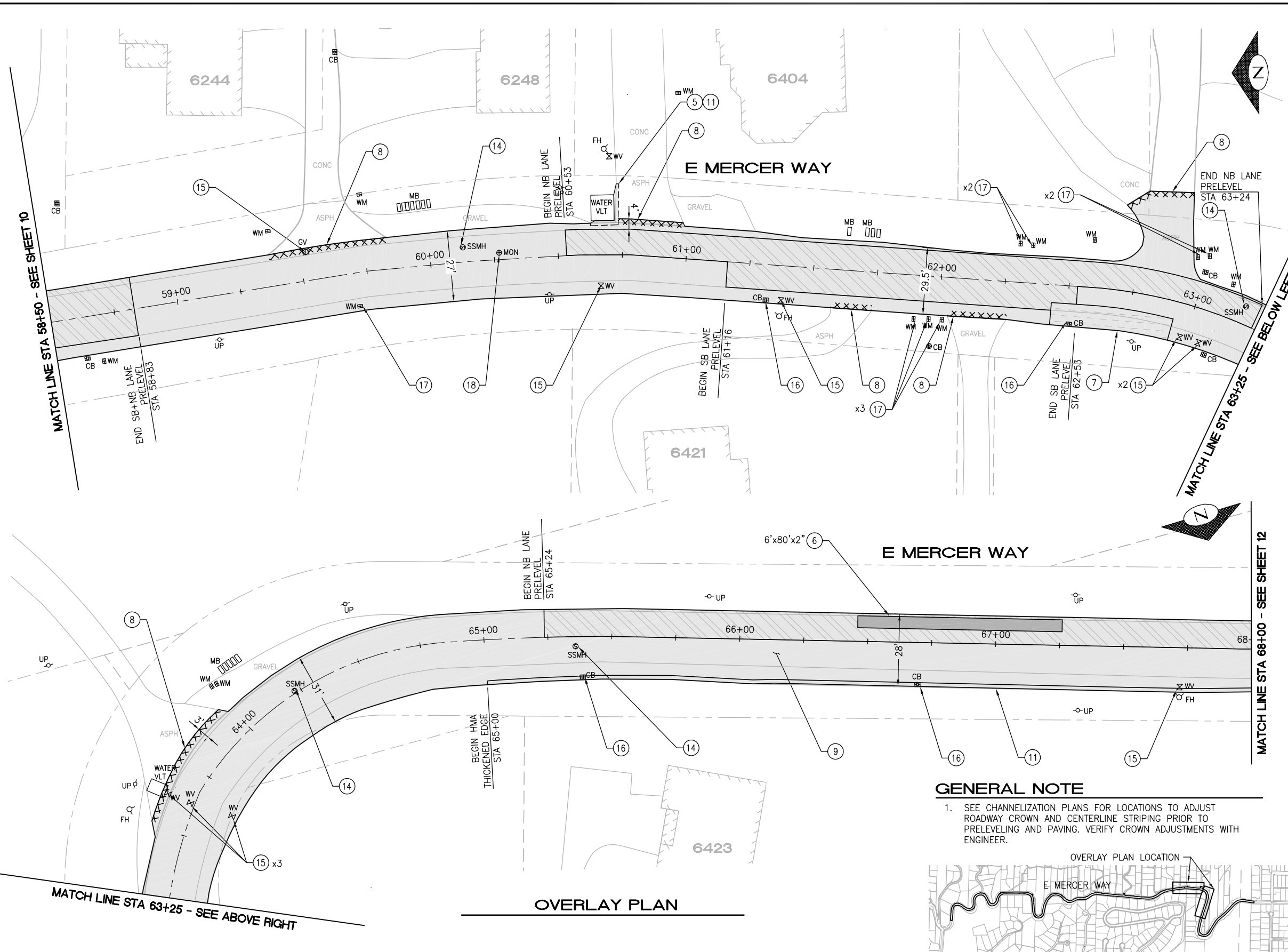


CONSTRUCTION NOTES

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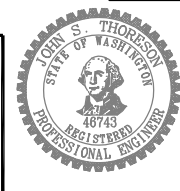
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CM DESIGN GROUP
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 Seattle, WA 98122
 206-659-0612

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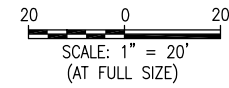
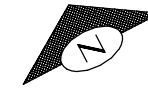
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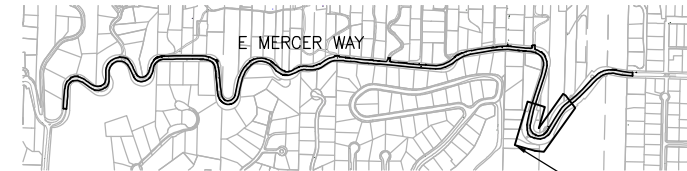
CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	11 OF 30



GENERAL NOTE

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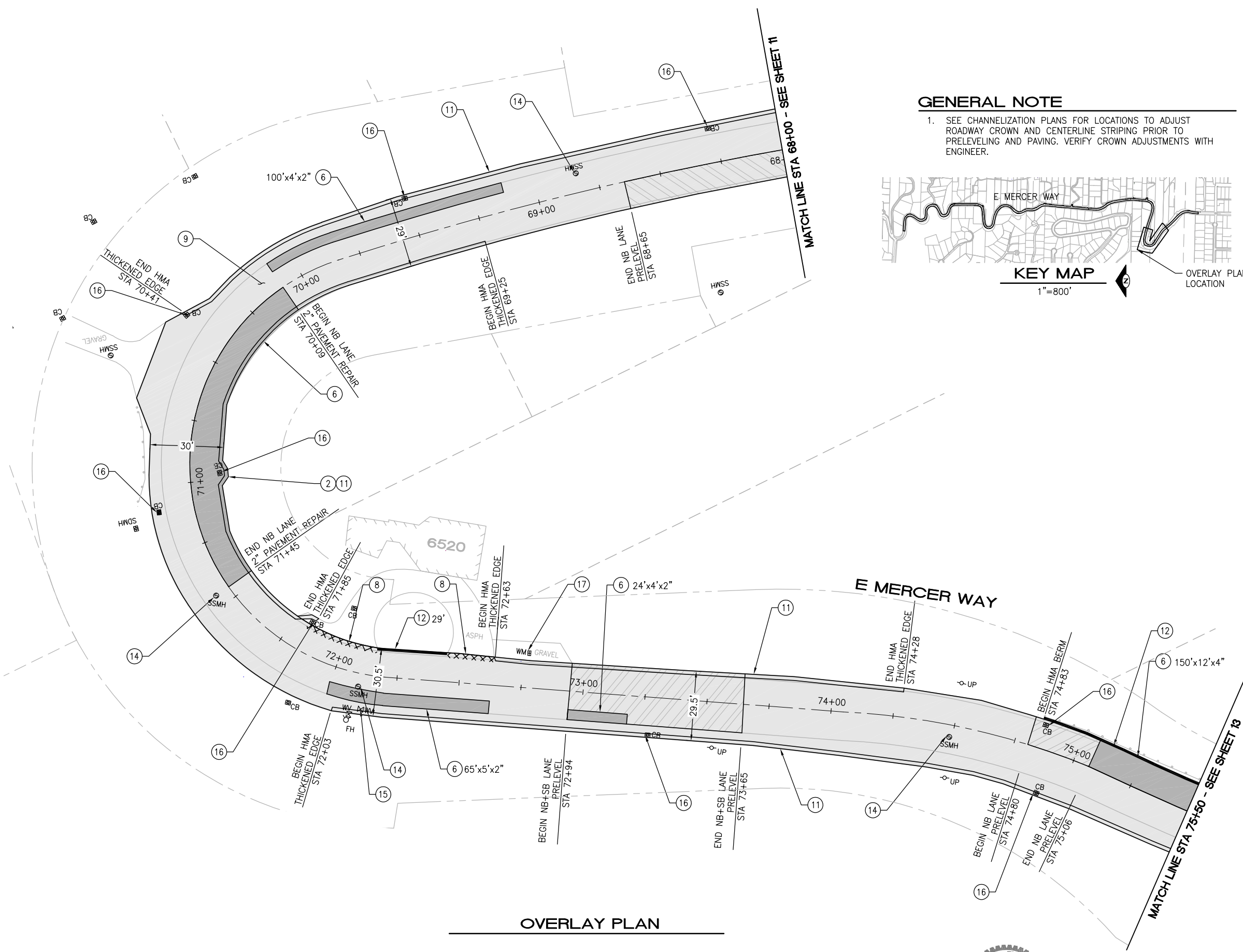
KEY MAP

1"=800'

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OVERLAY PLAN



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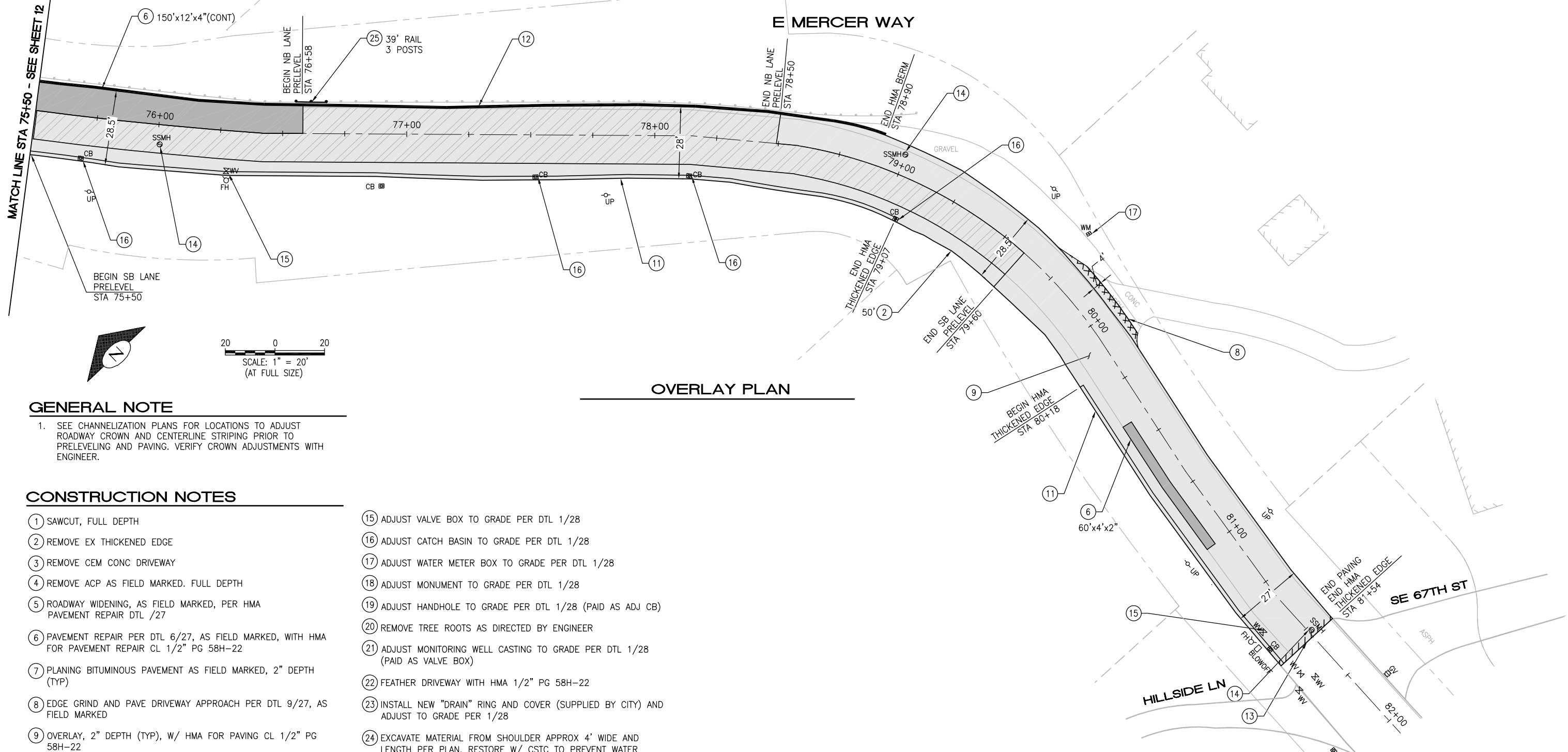
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DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	12 OF 30

MATCH LINE STA 75+50 - SEE SHEET 12



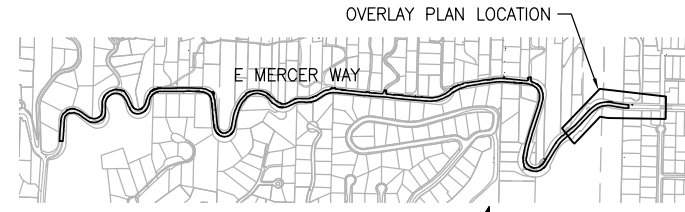
OVERLAY PLAN

GENERAL NOTE

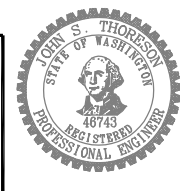
- SEE CHANNELIZATION PLANS FOR LOCATIONS TO ADJUST ROADWAY CROWN AND CENTERLINE STRIPING PRIOR TO PRELEVELING AND PAVING. VERIFY CROWN ADJUSTMENTS WITH ENGINEER.

CONSTRUCTION NOTES

- | | |
|--|--|
| <ol style="list-style-type: none"> SAWCUT, FULL DEPTH REMOVE EX THICKENED EDGE REMOVE CEM CONC DRIVEWAY REMOVE ACP AS FIELD MARKED. FULL DEPTH ROADWAY WIDENING, AS FIELD MARKED, PER HMA PAVEMENT REPAIR DTL /27 PAVEMENT REPAIR PER DTL 6/27, AS FIELD MARKED, WITH HMA FOR PAVEMENT REPAIR CL 1/2" PG 58H-22 PLANING BITUMINOUS PAVEMENT AS FIELD MARKED, 2" DEPTH (TYP) EDGE GRIND AND PAVE DRIVEWAY APPROACH PER DTL 9/27, AS FIELD MARKED OVERLAY, 2" DEPTH (TYP), W/ HMA FOR PAVING CL 1/2" PG 58H-22 PAVE DRIVEWAY APPROACH W/ HMA FOR PAVING CL 1/2" PG 58H-22 PER DTL 9/27 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL 1/2" PG 58H-22 PER DTL 10/27 PAVE HMA BERM W/ HMA FOR PAVING CL 1/2" PG 58H-22 PER DTL 8/27 BUTT GRIND ROADWAY PER DTL 2/27 INSTALL NEW "SEWER" MANHOLE RING AND COVER (SUPPLIED BY CITY) AND ADJUST TO GRADE PER DTL 1/28 | <ol style="list-style-type: none"> ADJUST VALVE BOX TO GRADE PER DTL 1/28 ADJUST CATCH BASIN TO GRADE PER DTL 1/28 ADJUST WATER METER BOX TO GRADE PER DTL 1/28 ADJUST MONUMENT TO GRADE PER DTL 1/28 ADJUST HANDHOLE TO GRADE PER DTL 1/28 (PAID AS ADJ CB) REMOVE TREE ROOTS AS DIRECTED BY ENGINEER ADJUST MONITORING WELL CASTING TO GRADE PER DTL 1/28 (PAID AS VALVE BOX) FEATHER DRIVEWAY WITH HMA 1/2" PG 58H-22 INSTALL NEW "DRAIN" RING AND COVER (SUPPLIED BY CITY) AND ADJUST TO GRADE PER 1/28 EXCAVATE MATERIAL FROM SHOULDER APPROX 4' WIDE AND LENGTH PER PLAN. RESTORE W/ CSTC TO PREVENT WATER COLLECTING AT ROAD EDGE REPAIR GUARDRAIL. REPLACE DAMAGED BEAM GUARDRAIL RAIL ELEMENT AND STRAIGHTEN AND REPLACE POSTS AND BLOCKS AS NEEDED FIELD LOCATE AND INSTALL NEW TYPE MSKT-SP-MGS (TL-2) TERMINAL WITH WOOD POSTS PER WSDOT STD PLAN C-22.45-05/SHT 30 INSTALL NEW BEAM GUARDRAIL TYPE 31 WITH WOOD POSTS PER WSDOT STD PLAN C-20.10-06/SHT 29 |
|--|--|



KEY MAP
1"=800'



DATE	4/23/21
DESIGN	JST
DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

SCHEDULE A
E MERCER WAY
ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	13 OF 30



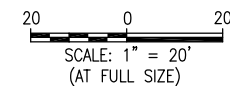
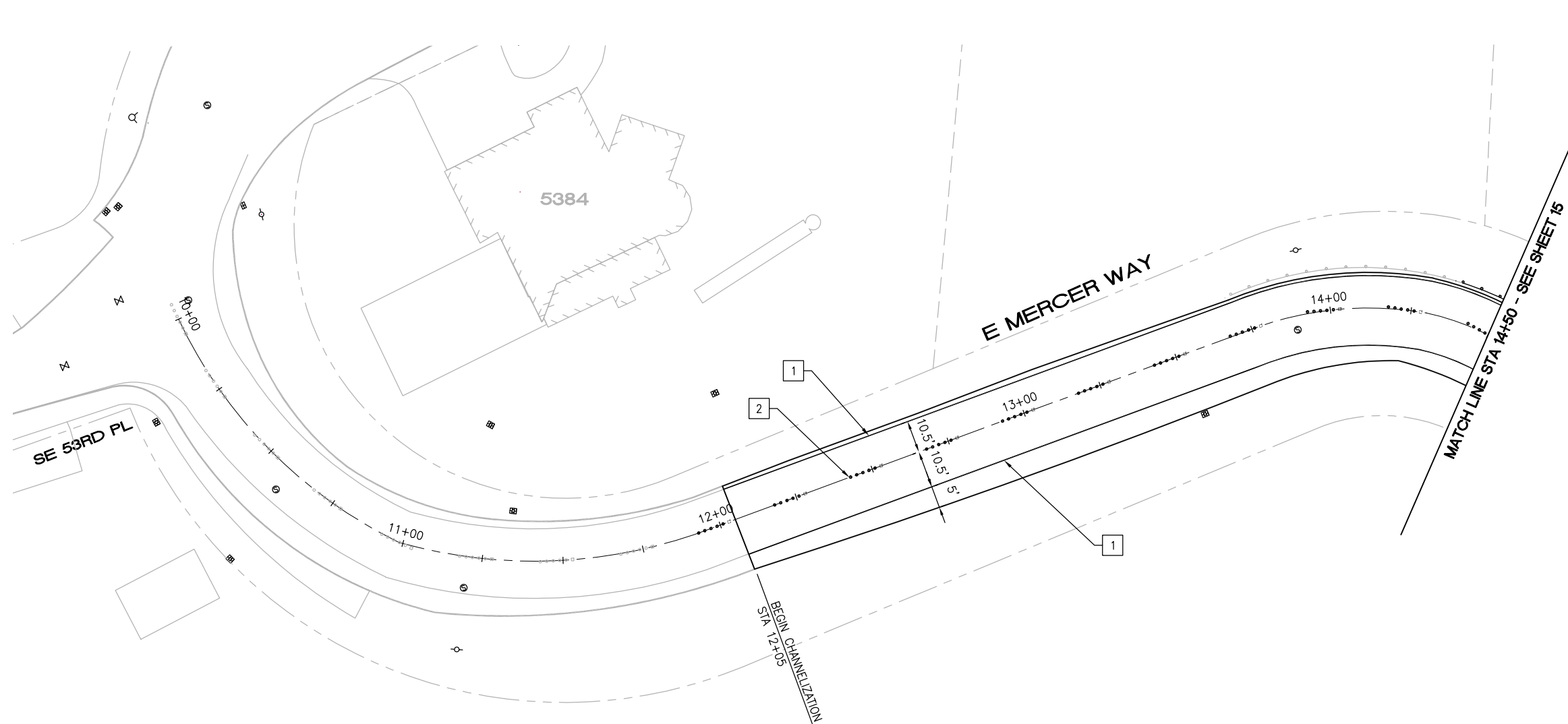
CM DESIGN GROUP
1318 East Pike Street
Seattle, WA 98122
206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

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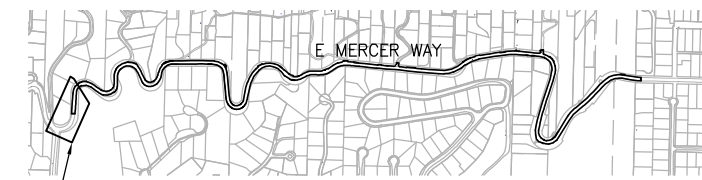
GENERAL NOTE

- 1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)

CHANNELIZATION PLAN



CHANNELIZATION PLAN LOCATION

KEY MAP

1"=800'



CM DESIGN GROUP
 1318 East Pike Street
 Seattle, WA 98122
 206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

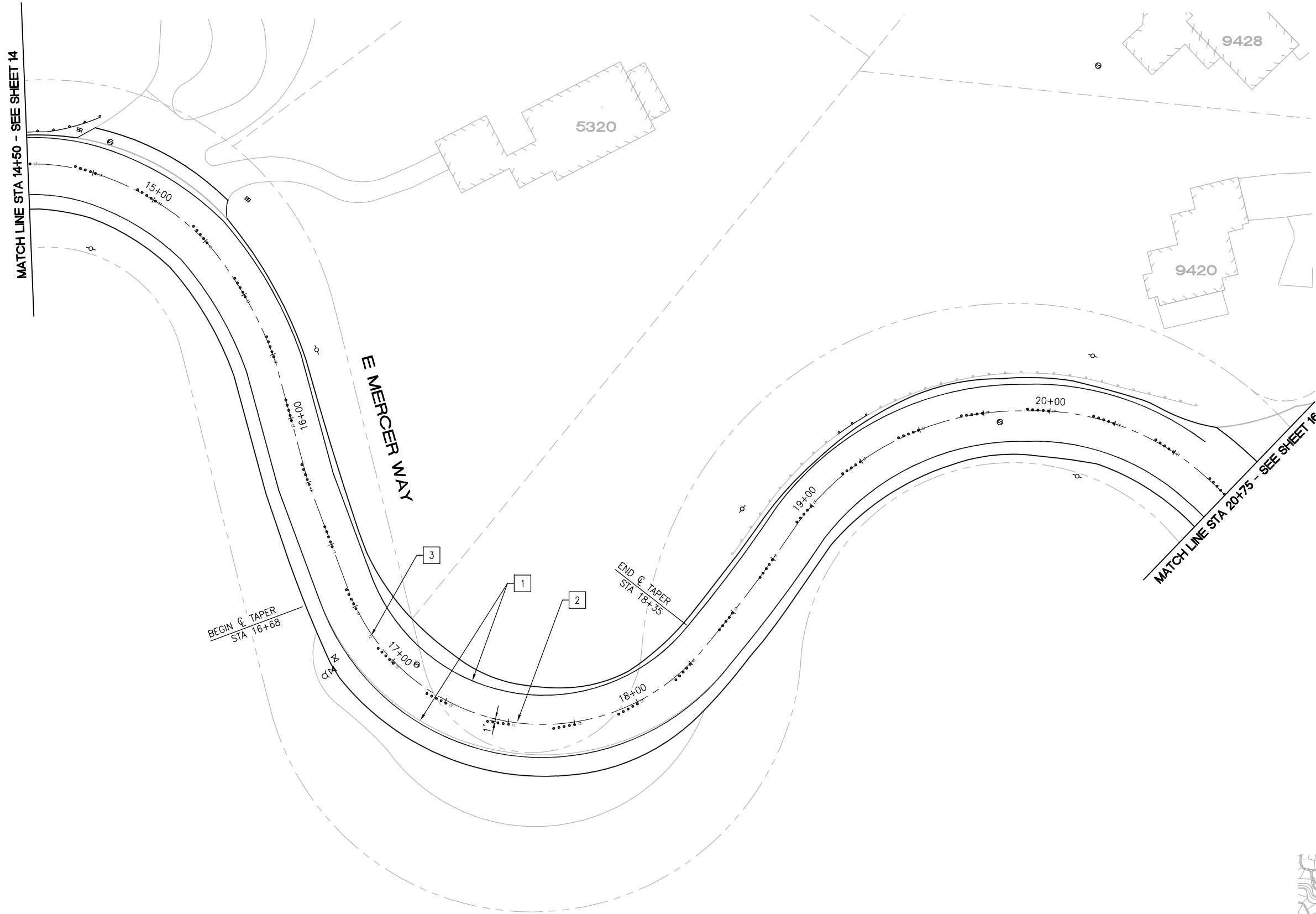


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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	14 OF 30

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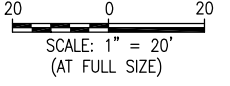
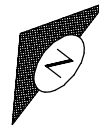


MATCH LINE STA 14+50 - SEE SHEET 14

MATCH LINE STA 20+75 - SEE SHEET 16

E MERCER WAY

CHANNELIZATION PLAN

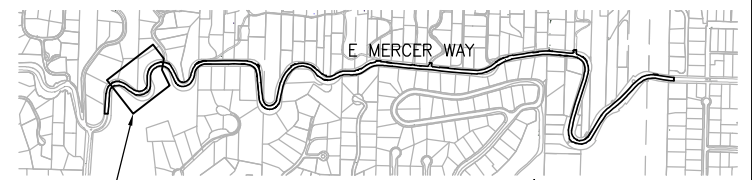


GENERAL NOTE

1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



KEY MAP

1"=800'




CM DESIGN GROUP
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REV. NO.	DATE	DESCRIPTION

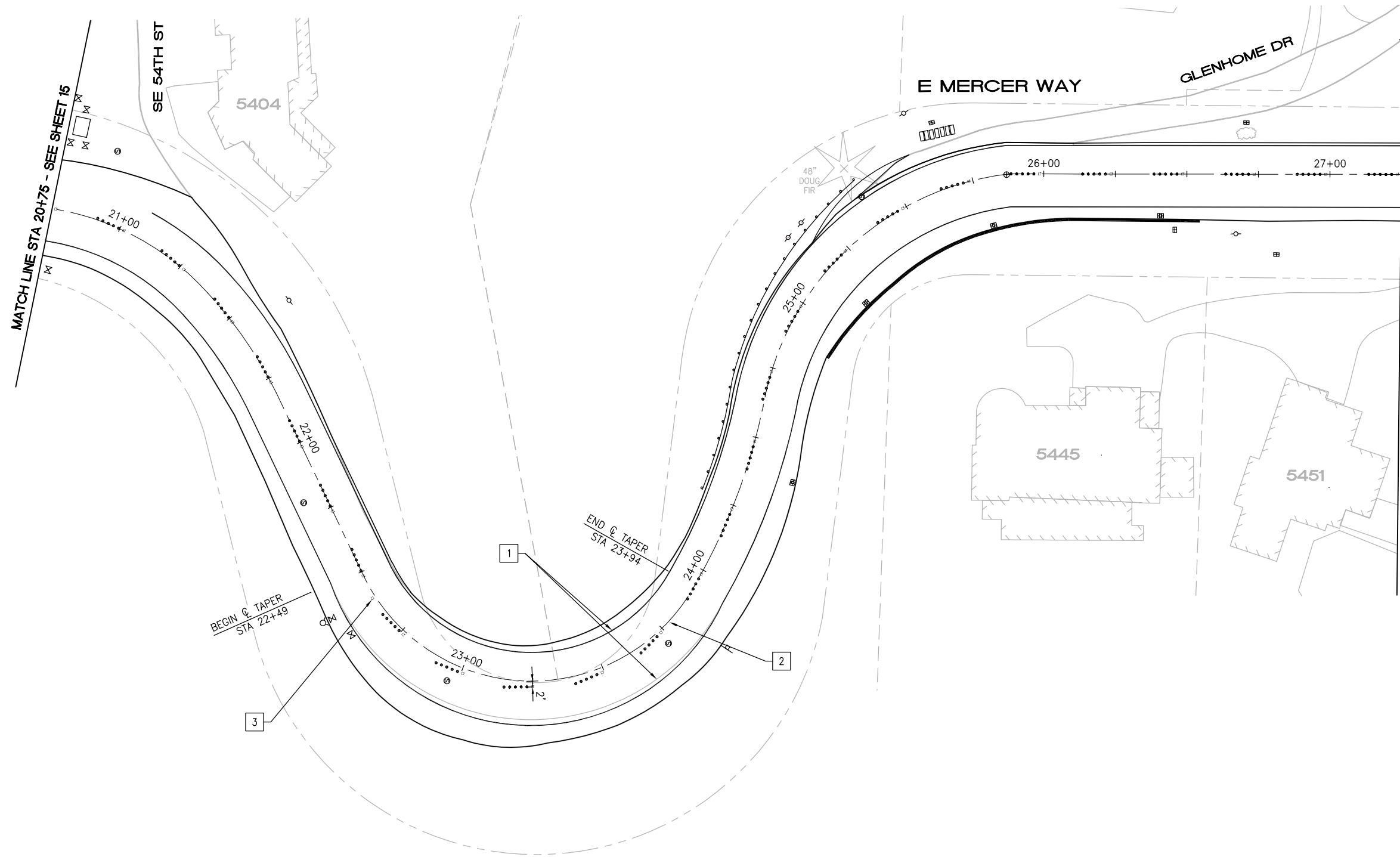
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DESIGN	JST
DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
E MERCER WAY
 ARTERIAL OVERLAY

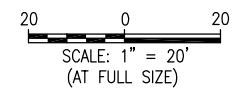
PROJECT	21-25
SCALE	1"=20'
SHEET	15 OF 30



CHANNELIZATION PLAN

MATCH LINE STA 27+25 - SEE SHEET 17

MATCH LINE STA 20+75 - SEE SHEET 15



GENERAL NOTE

1. E.M.W ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

1. APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
2. APPLY BROKEN LANE LINE PER DTL 4/28
3. PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



KEY MAP

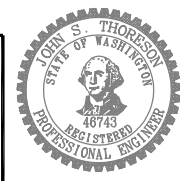
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REV. NO.	DATE	DESCRIPTION

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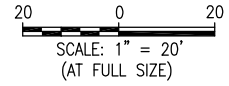
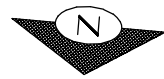
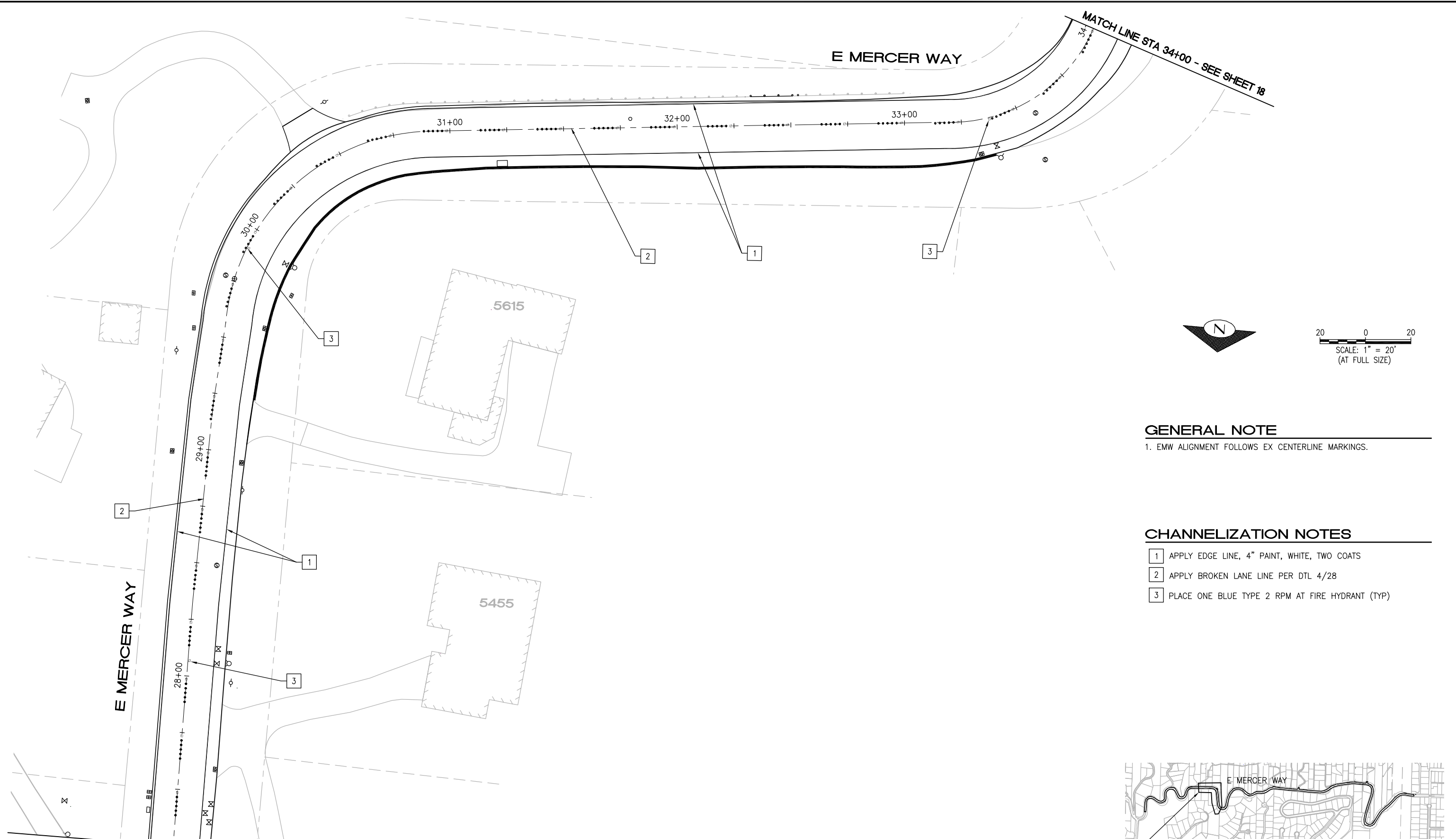
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CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	16 OF 30

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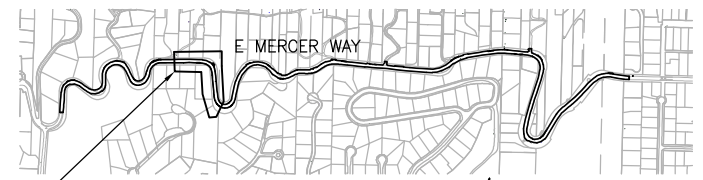


GENERAL NOTE

1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



CHANNELIZATION PLAN

CHANNELIZATION PLAN LOCATION

KEY MAP

1"=800'




CM DESIGN GROUP
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REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

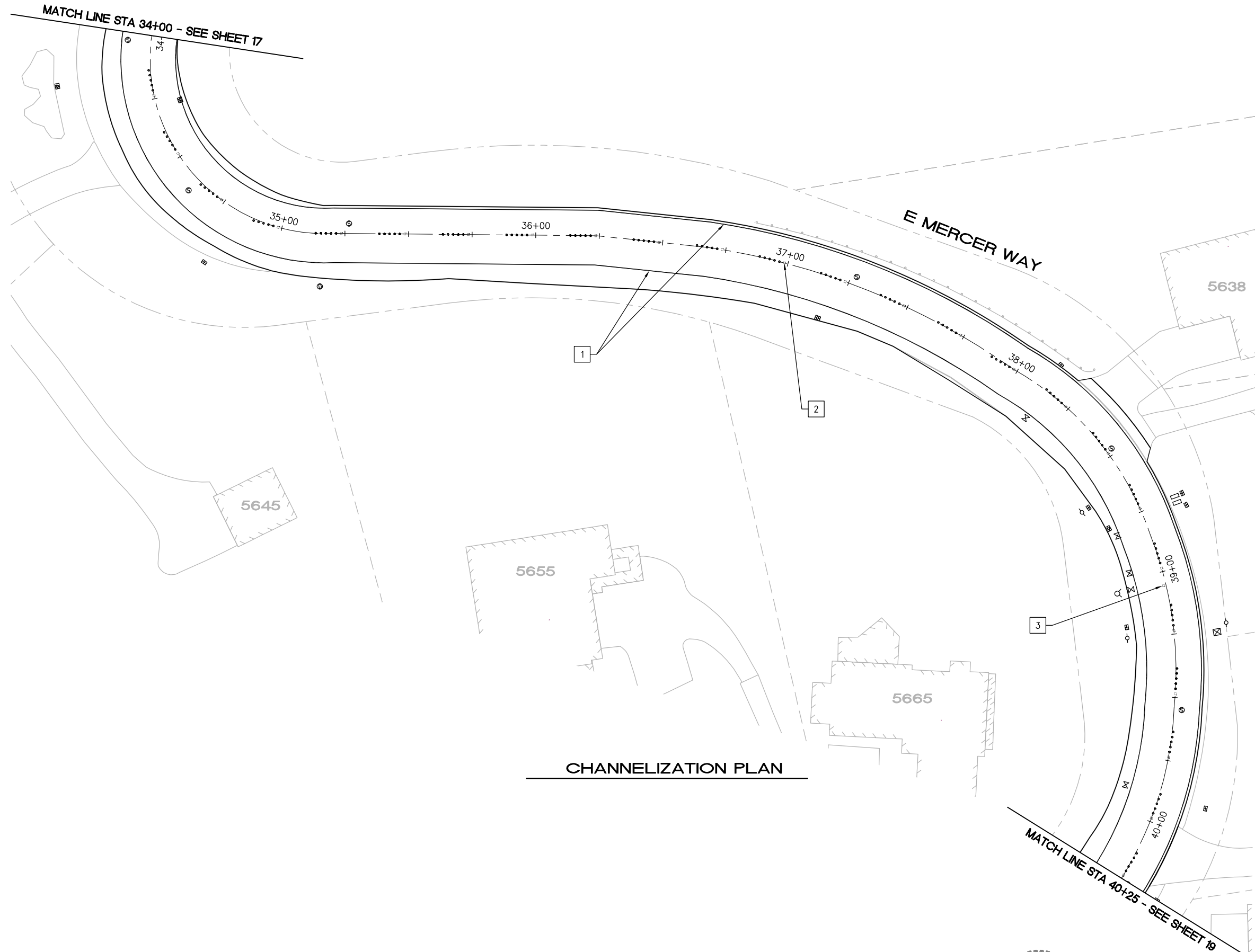


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DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	17 OF 30

MATCH LINE STA 34+00 - SEE SHEET 17



20 0 20
SCALE: 1" = 20'
(AT FULL SIZE)

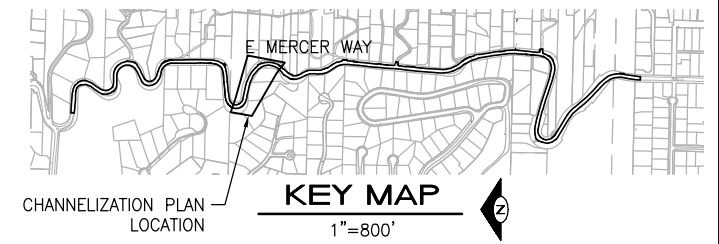
GENERAL NOTE

1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)

CHANNELIZATION PLAN



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206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT



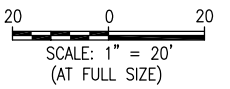
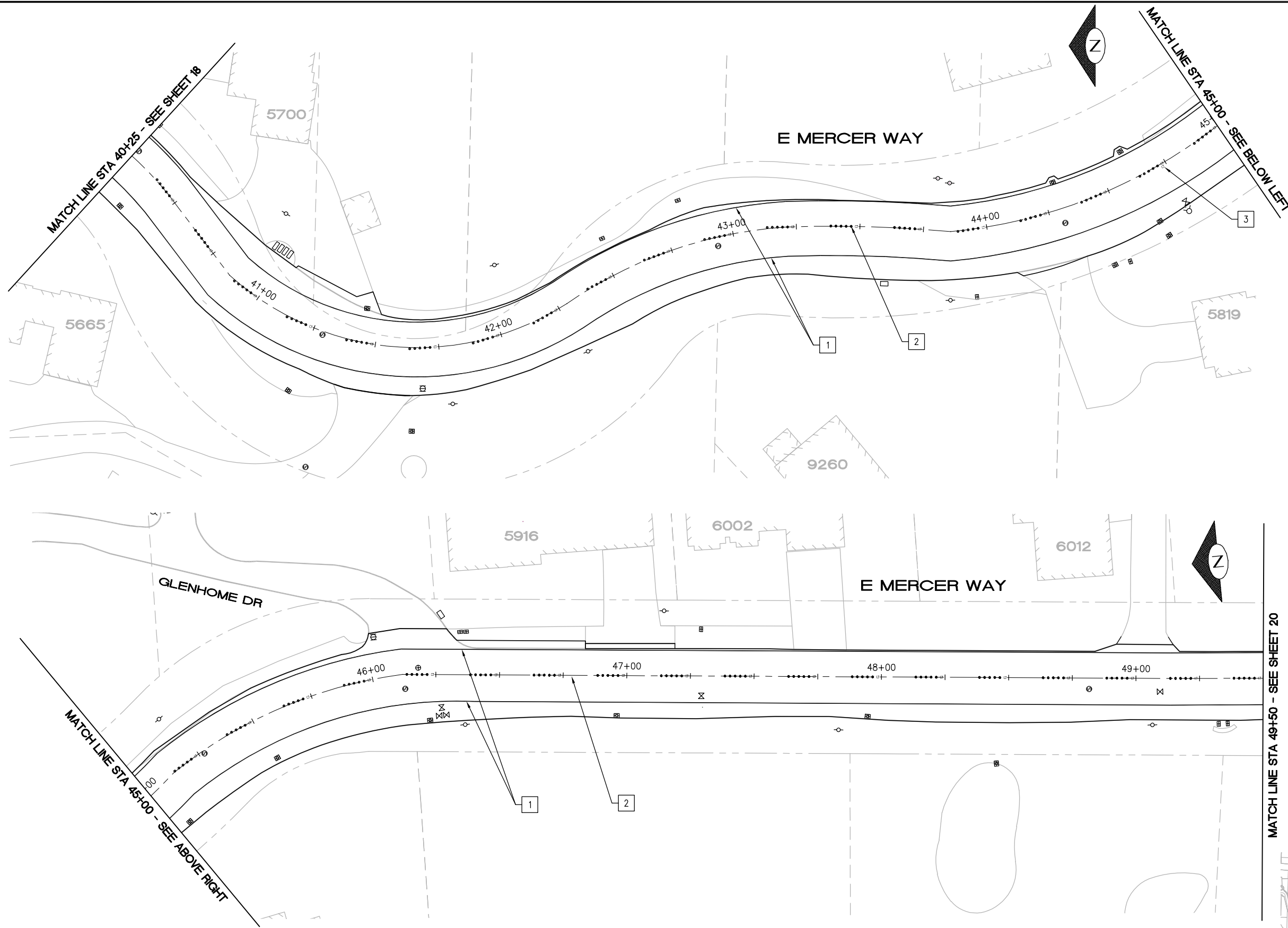
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE A
E MERCER WAY
ARTERIAL OVERLAY

PROJECT 21-25
SCALE 1"=20'
SHEET **18** OF **30**

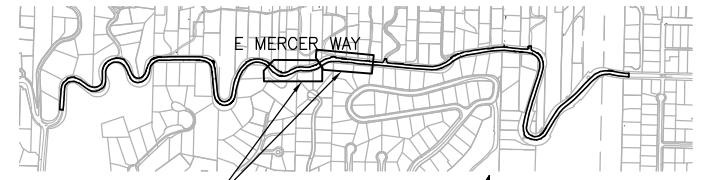
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GENERAL NOTE
 1. EMM ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

- CHANNELIZATION NOTES**
- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
 - 2 APPLY BROKEN LANE LINE PER DTL 4/28
 - 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)

MATCH LINE STA 49+50 - SEE SHEET 20



CHANNELIZATION PLAN LOCATION
KEY MAP
 1"=800'

CHANNELIZATION PLAN



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 206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT



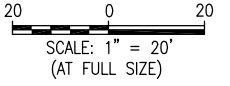
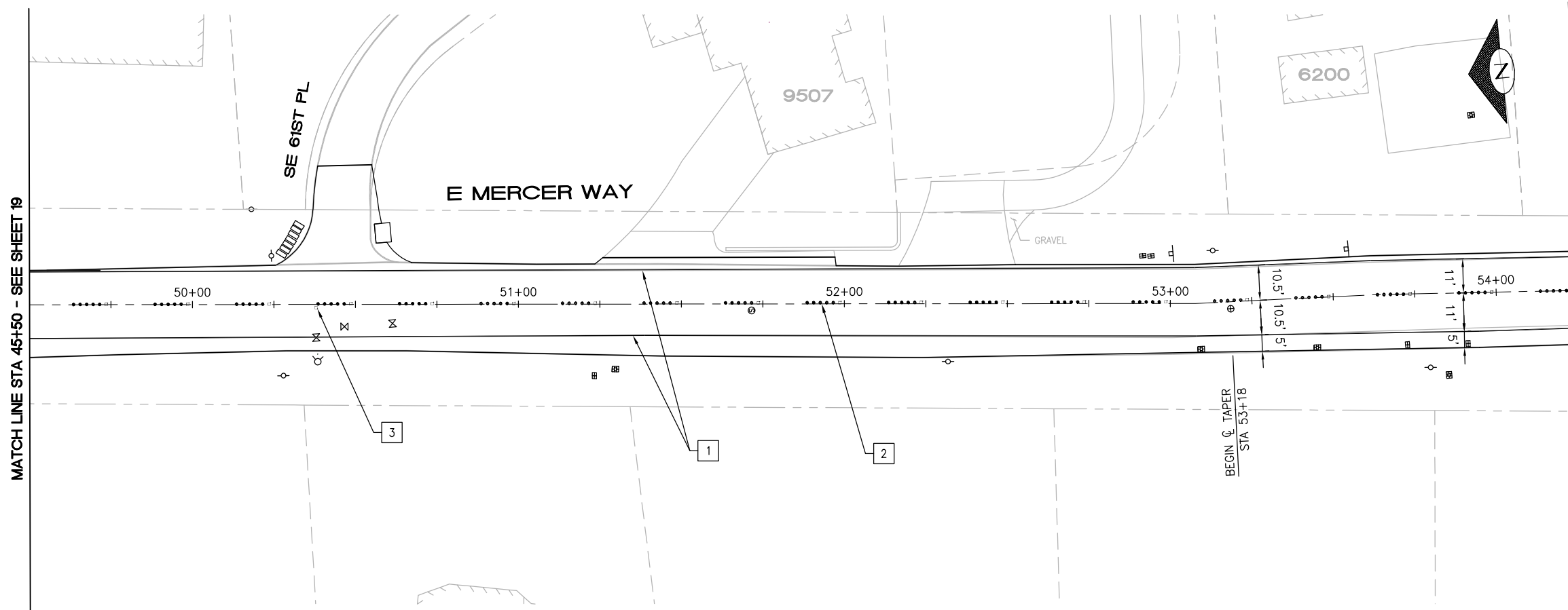
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	19 OF 30

MATCH LINE STA 45+50 - SEE SHEET 19

MATCH LINE STA 54+25 - SEE BELOW LEFT

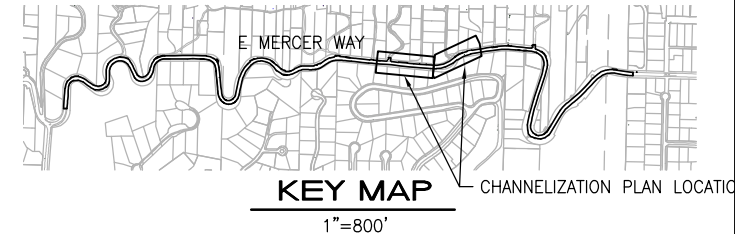
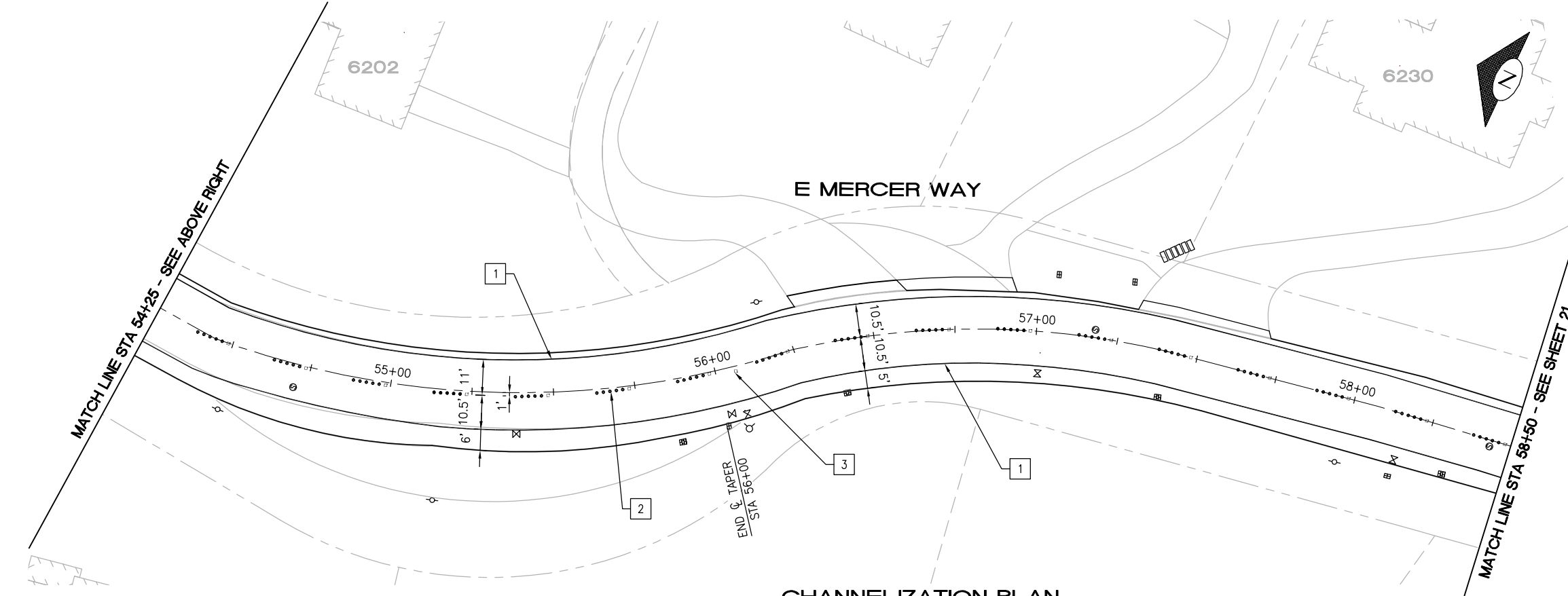


GENERAL NOTE

- 1. EMM ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



CHANNELIZATION PLAN

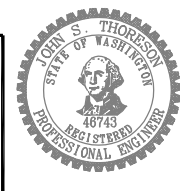
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CM DESIGN GROUP
 1318 East Pike Street
 Seattle, WA 98122
 206-659-0612

REV. NO.	DATE	DESCRIPTION

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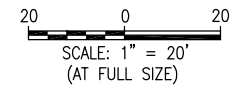
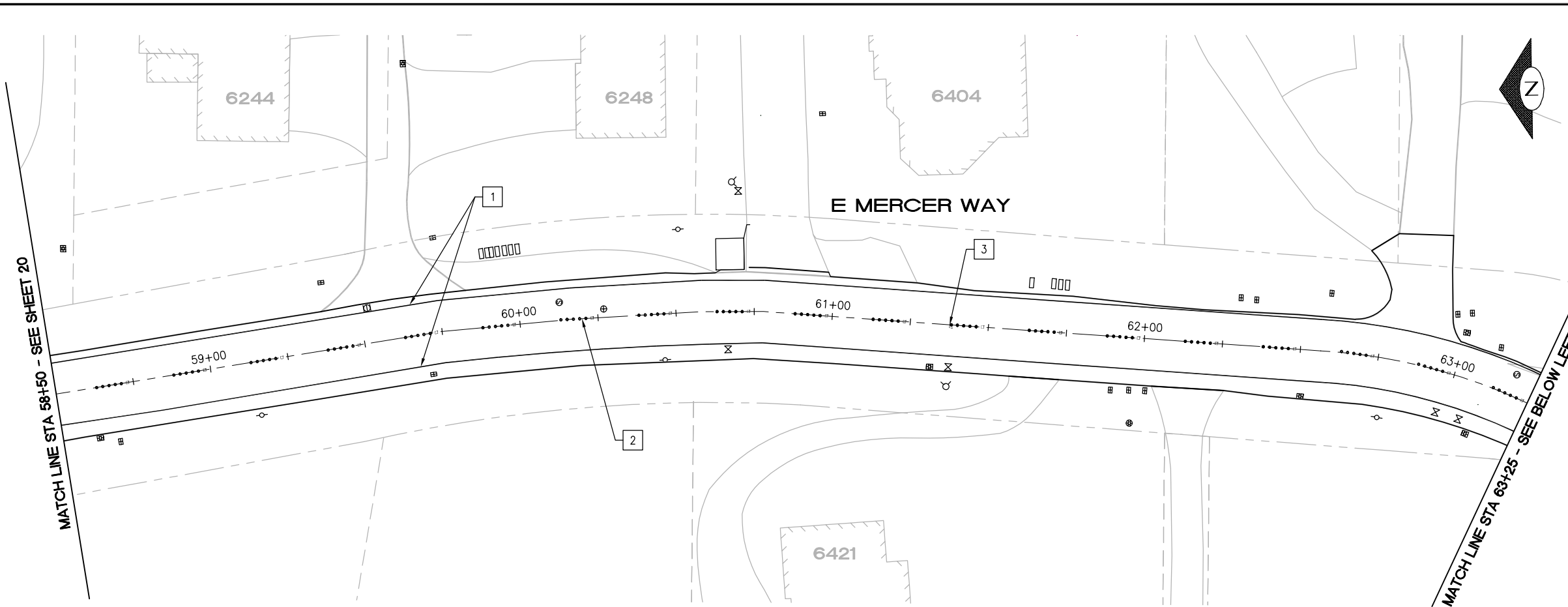


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CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	20 OF 30

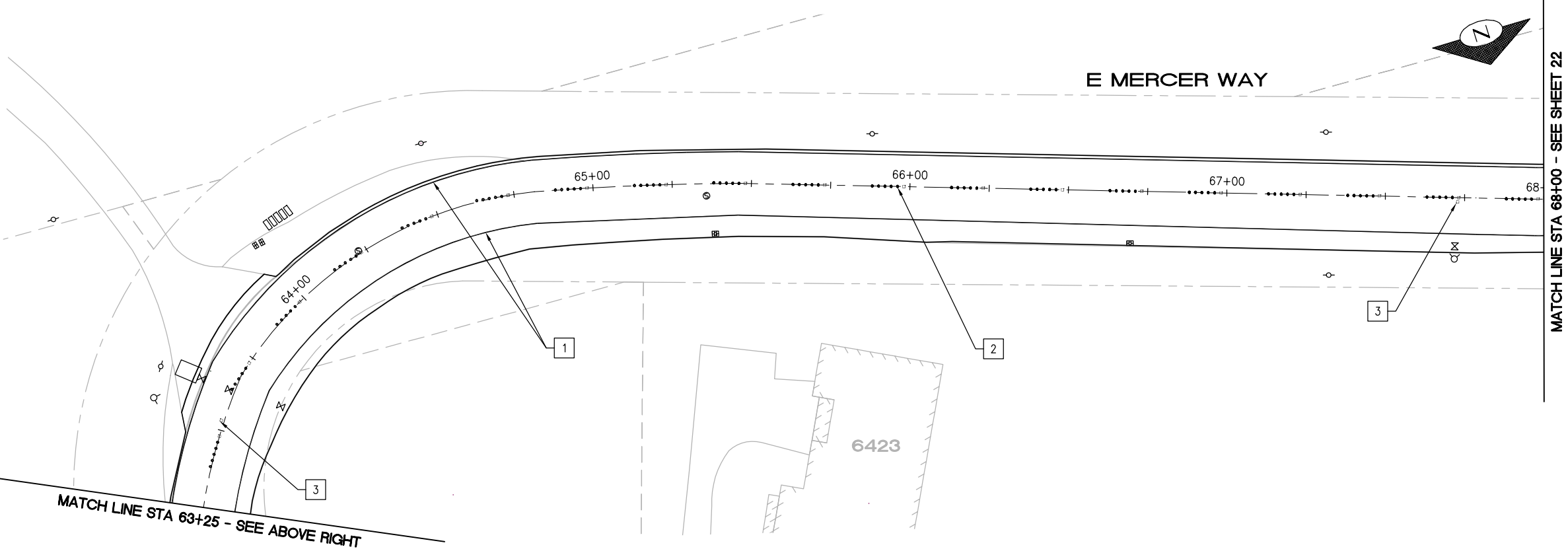


GENERAL NOTE

1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28



MATCH LINE STA 68+00 - SEE SHEET 22



KEY MAP
1"=800'

CHANNELIZATION PLAN

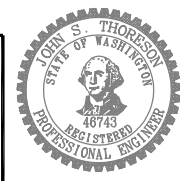
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206-659-0612

REV. NO.	DATE	DESCRIPTION

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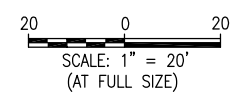
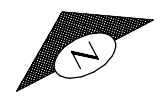
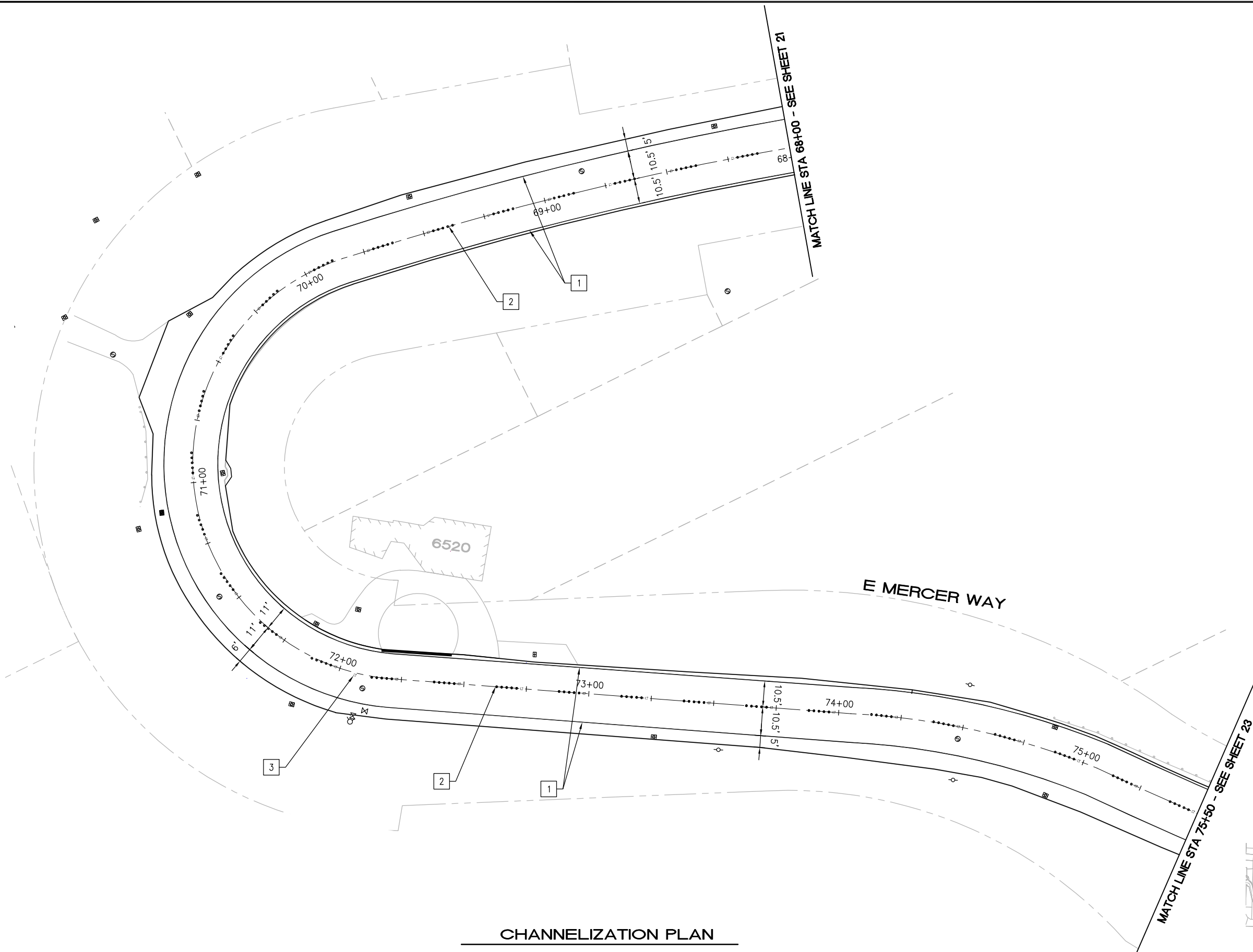
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE A
E MERCER WAY
ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	21 OF 30

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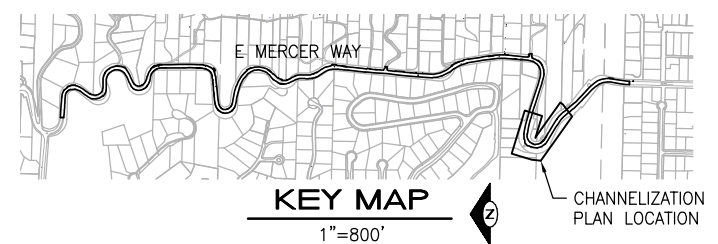
GENERAL NOTE

- 1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)

CHANNELIZATION PLAN




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 206-659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT



DATE	4/23/21
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CHECK	JST

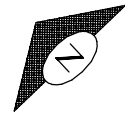
CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
 SCHEDULE A
 E MERCER WAY
 ARTERIAL OVERLAY

PROJECT	21-25
SCALE	1"=20'
SHEET	22 OF 30

MATCH LINE STA 75+50 - SEE SHEET 22

E MERCER WAY

CHANNELIZATION PLAN



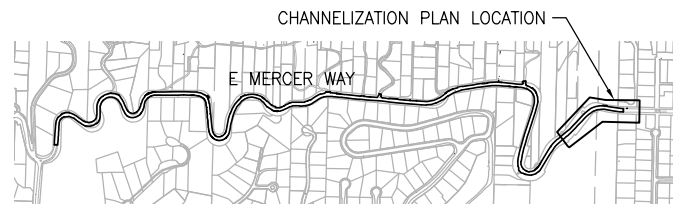
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(AT FULL SIZE)

GENERAL NOTE

1. EMW ALIGNMENT FOLLOWS EX CENTERLINE MARKINGS.

CHANNELIZATION NOTES

- 1 APPLY EDGE LINE, 4" PAINT, WHITE, TWO COATS
- 2 APPLY BROKEN LANE LINE PER DTL 4/28
- 3 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



KEY MAP

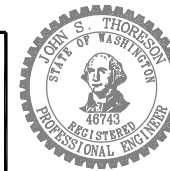
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80+00
81+00
82+00
END CHANNELIZATION STA 81+54
SE 67TH ST
HILLSIDE LN



REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

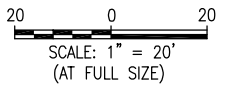


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DRAFT	XD
CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
SCHEDULE A
E MERCER WAY
ARTERIAL OVERLAY

PROJECT 21-25
SCALE 1"=20'
SHEET 23 OF 30

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GENERAL NOTE

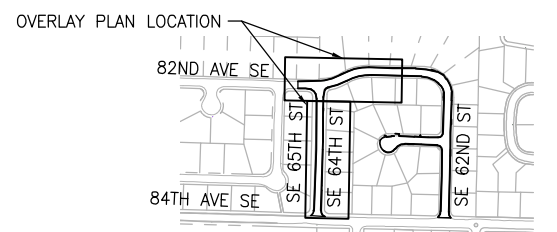
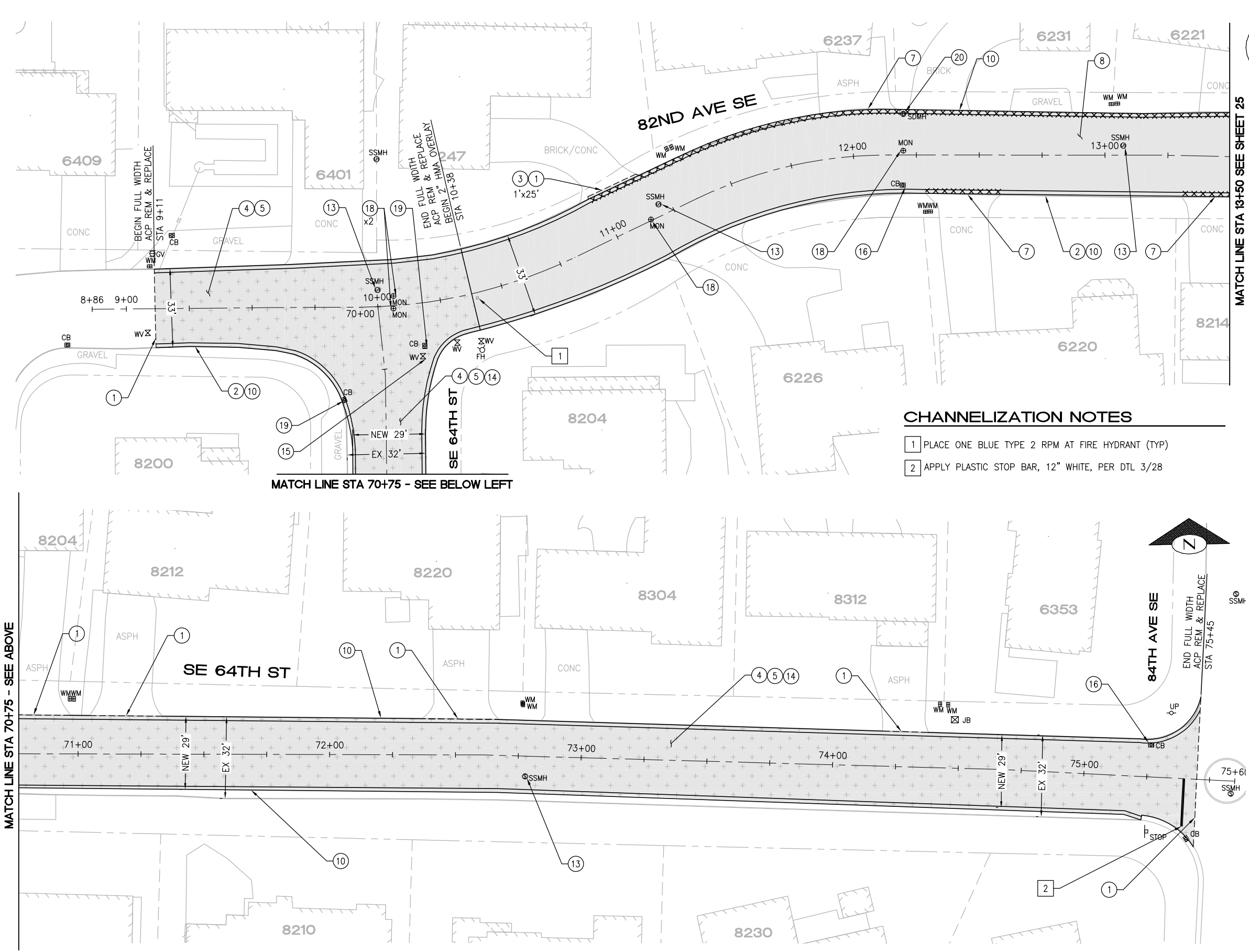
- OVEREXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACKFILL W/ CSTC (OR CSBC) AS DIRECTED BY ENGINEER.

CONSTRUCTION NOTES

- SAWCUT, FULL DEPTH
- REMOVE EX THICKENED EDGE
- REMOVE CEM CONC DRIVEWAY
- REMOVE ACP AS FIELD MARKED. FULL DEPTH
- PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 8/27
- PLANING BITUMINOUS PAVEMENT AS FIELD MARKED, 2" DEPTH (TYP)
- EDGE GRIND AND PAVE DRIVEWAY APPROACH PER DTL 9/27, AS FIELD MARKED
- OVERLAY, 2" DEPTH (TYP), W/ HMA FOR PAVING CL B
- PAVE DRIVEWAY APPROACH W/ HMA PER PAVING CL B PER DTL 9/27
- PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 10/27
- PAVE HMA BERM W/ HMA FOR PAVING CL B PER DTL 8/27
- PRELEVEL, AS FIELD MARKED, W/ HMA FOR PAVING CL B
- INSTALL NEW SEWER MANHOLE RING AND COVER (SUPPLIED BY CITY) AND ADJUST TO GRADE PER DTL 1/28
- MAINTAIN NORTHERN EDGE OF PAVEMENT AND REDUCE ROAD WIDTH PER PLAN
- ADJUST VALVE BOX TO GRADE PER DTL 1/28
- ADJUST CATCH BASIN TO GRADE PER DTL 1/28
- MAINTAIN SOUTHERN EDGE OF PAVEMENT AND REDUCE ROAD WIDTH PER PLAN
- ADJUST MONUMENT TO GRADE PER DTL 1/28
- FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/28
- FURNISH AND INSTALL NEW DRAIN MANHOLE FRAME AND GRATE (EAST JORDAN IRON WORKS #7753 ROUND BASE 20"x24" CATCH BASIN) AND ADJUST TO GRADE PER DTL 1/28

CHANNELIZATION NOTES

- PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/28



KEY MAP
1" = 400'

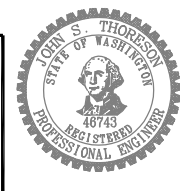
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Seattle, WA 98122
206-659-0612

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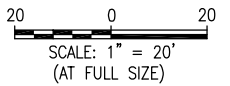
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DATE	4/23/21
DESIGN	JUST
DRAFT	XD
CHECK	JUST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
SCHEDULE B
82ND AVE SE AND SE 64TH ST
RESIDENTIAL OVERLAYS

PROJECT	21-25
SCALE	1" = 20'
SHEET	24 OF 30

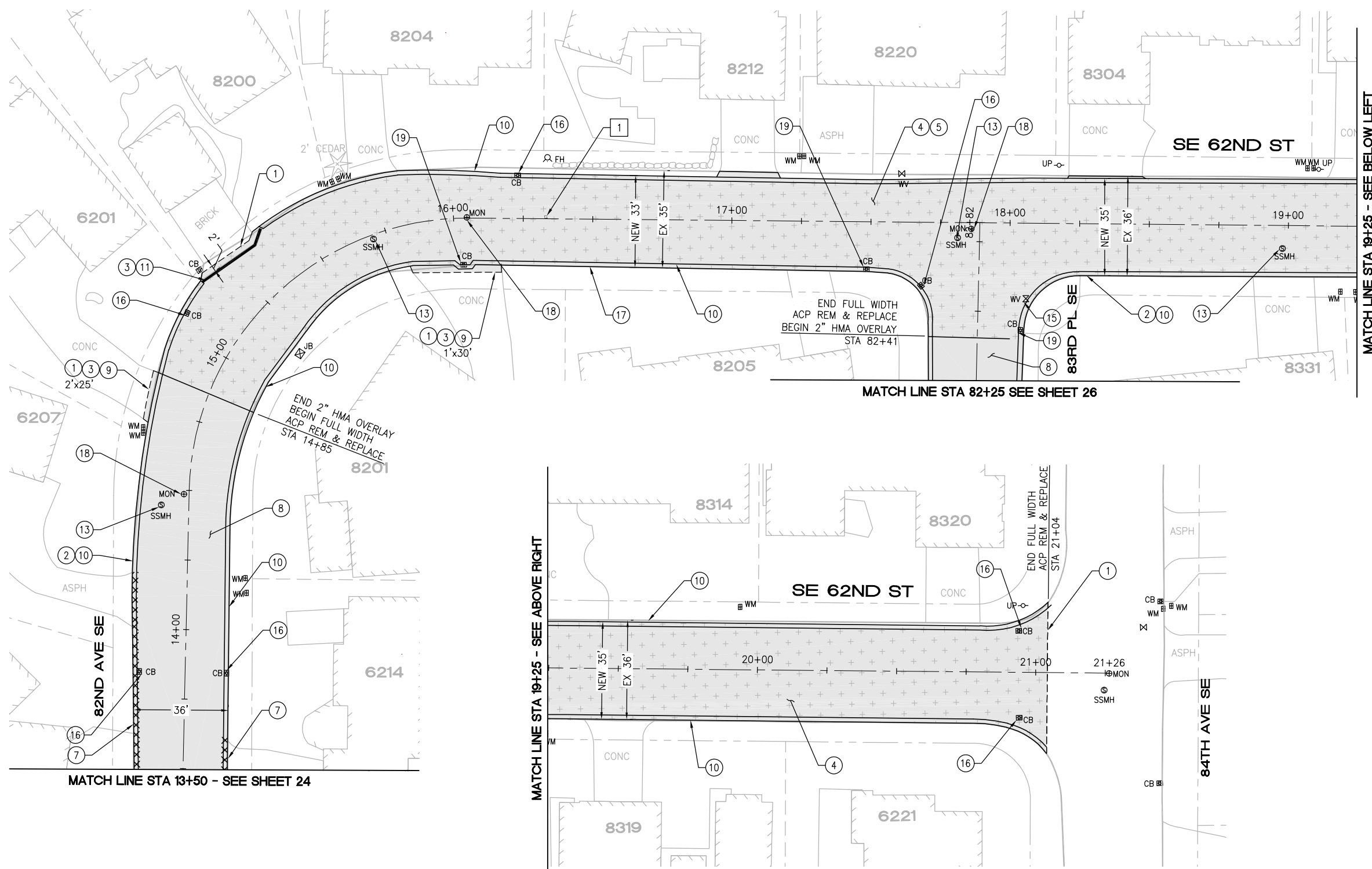


GENERAL NOTE

- OVEREXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACKFILL W/ CSTC (OR CSBC) AS DIRECTED BY ENGINEER.

CONSTRUCTION NOTES

- SAWCUT, FULL DEPTH
- REMOVE EX THICKENED EDGE
- REMOVE CEM CONC DRIVEWAY
- REMOVE ACP AS FIELD MARKED. FULL DEPTH
- PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 8/27
- PLANING BITUMINOUS PAVEMENT AS FIELD MARKED, 2" DEPTH (TYP)
- EDGE GRIND AND PAVE DRIVEWAY APPROACH PER DTL 9/27, AS FIELD MARKED
- OVERLAY, 2" DEPTH (TYP), W/ HMA FOR PAVING CL B
- PAVE DRIVEWAY APPROACH W/ HMA PER PAVING CL B PER DTL 9/27
- PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 10/27
- PAVE HMA BERM W/ HMA FOR PAVING CL B PER DTL 8/27
- PRELEVEL, AS FIELD MARKED, W/ HMA FOR PAVING CL B
- INSTALL NEW SEWER MANHOLE RING AND COVER (SUPPLIED BY CITY) AND ADJUST TO GRADE PER DTL 1/28
- MAINTAIN NORTHERN EDGE OF PAVEMENT AND REDUCE ROAD WIDTH PER PLAN
- ADJUST VALVE BOX TO GRADE PER DTL 1/28
- ADJUST CATCH BASIN TO GRADE PER DTL 1/28
- MAINTAIN SOUTHERN EDGE OF PAVEMENT AND REDUCE ROAD WIDTH PER PLAN
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- FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/28
- FURNISH AND INSTALL NEW DRAIN MANHOLE FRAME AND GRATE (EAST JORDAN IRON WORKS #7753 ROUND BASE 20"x24" CATCH BASIN) AND ADJUST TO GRADE PER DTL 1/28



CHANNELIZATION NOTES

- PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/28



KEY MAP

1" = 400'

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CM DESIGN GROUP
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CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
 SCHEDULE B
 SE 62ND ST AND 82ND AVE SE
 RESIDENTIAL OVERLAYS

PROJECT	21-25
SCALE	1" = 20'
SHEET	25 OF 30



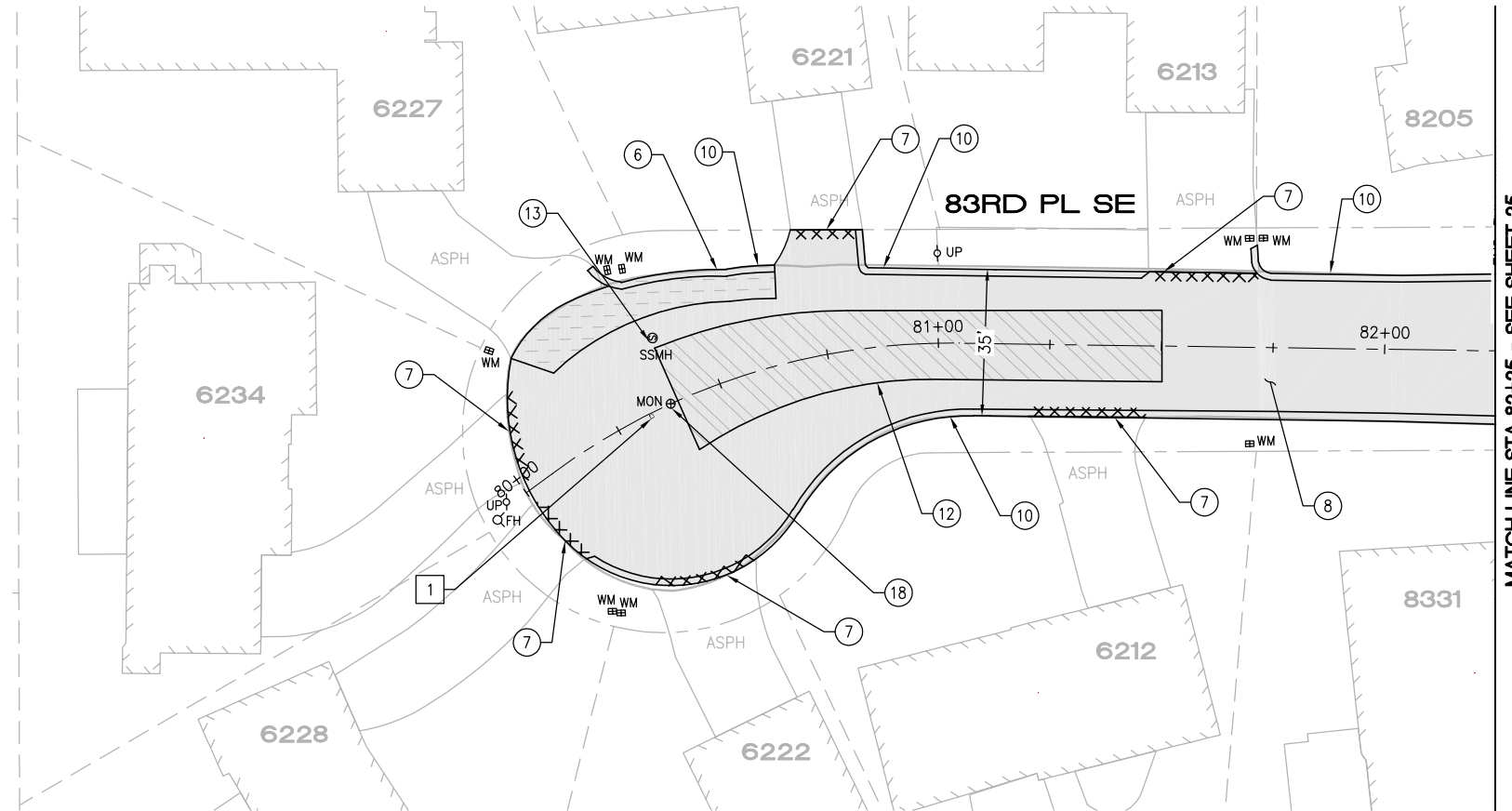
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SCALE: 1" = 20'
(AT FULL SIZE)

GENERAL NOTE

- OVEREXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACKFILL W/ CSTC (OR CSBC) AS DIRECTED BY ENGINEER.

CONSTRUCTION NOTES

- SAWCUT, FULL DEPTH
- REMOVE EX THICKENED EDGE
- REMOVE CEM CONC DRIVEWAY
- REMOVE ACP AS FIELD MARKED. FULL DEPTH
- PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 8/27
- PLANING BITUMINOUS PAVEMENT AS FIELD MARKED, 2" DEPTH (TYP)
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- FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/28
- FURNISH AND INSTALL NEW DRAIN MANHOLE FRAME AND GRATE (EAST JORDAN IRON WORKS #7753 ROUND BASE 20"x24" CATCH BASIN) AND ADJUST TO GRADE PER DTL 1/28



CHANNELIZATION NOTES

- PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/28



KEY MAP

1" = 400'



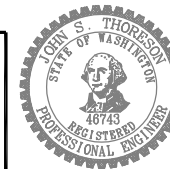
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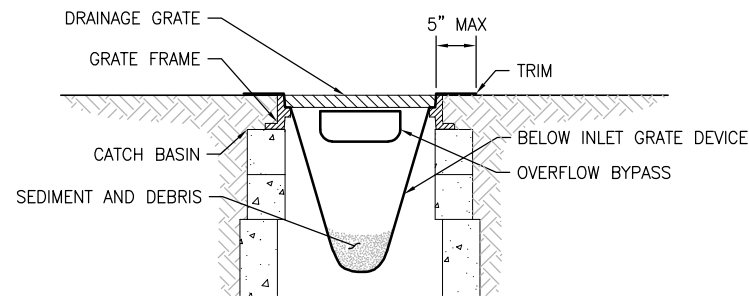


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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS

SCHEDULE B
83RD PL SE
RESIDENTIAL OVERLAYS

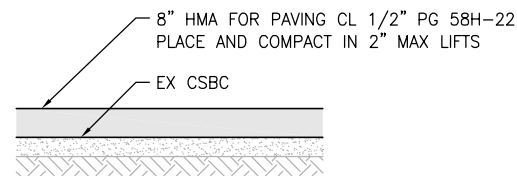
PROJECT 21-25
SCALE 1"=20'
SHEET **26** OF 30



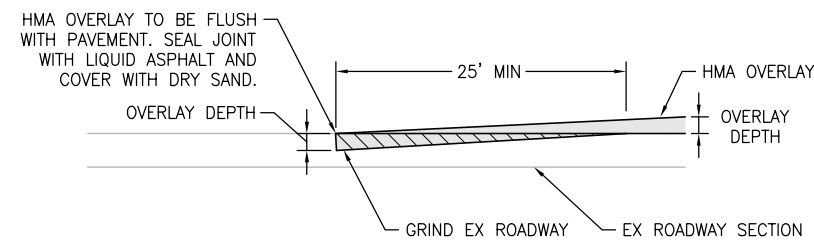
NOTES:

1. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
2. THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.

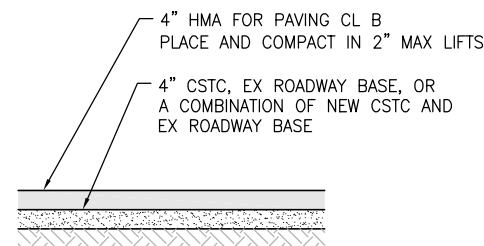
1 INLET PROTECTION
NTS



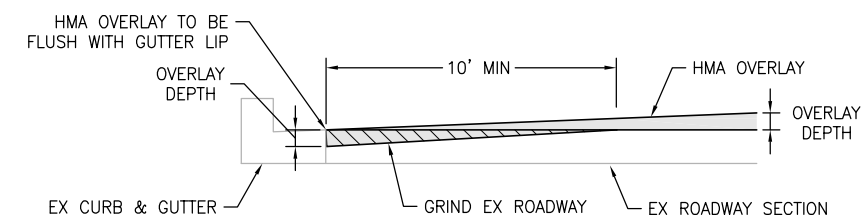
4 HMA ARTERIAL ROAD
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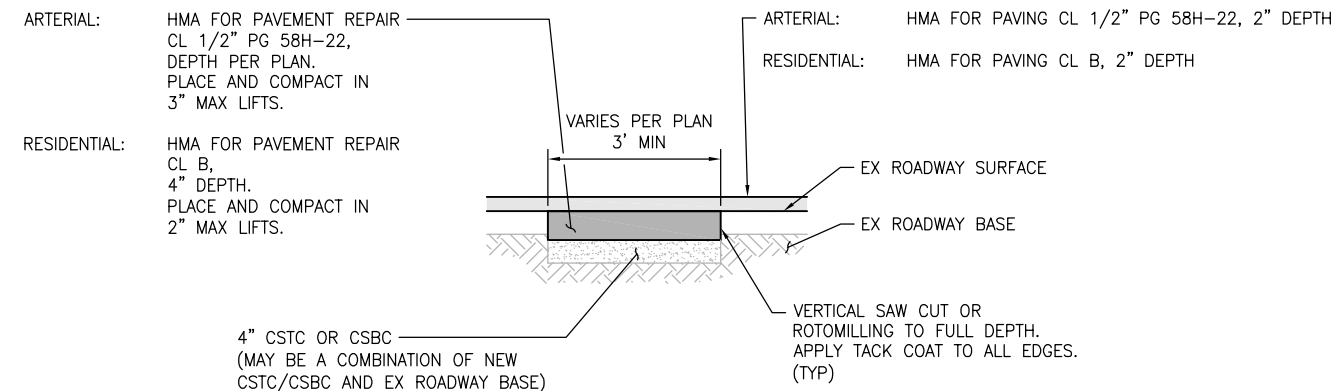
2 BUTT JOINT PLANING
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5 HMA RESIDENTIAL ROAD
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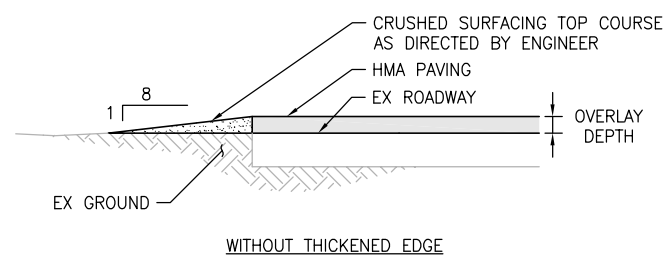
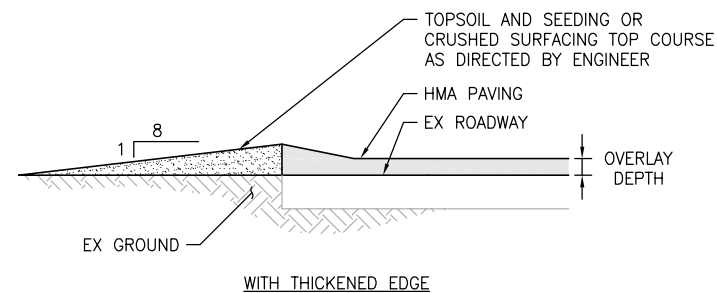
3 EDGE GRIND
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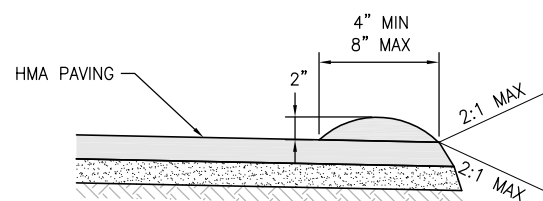
NOTES:

1. REMOVE SUBGRADE UNTIL SUITABLE MATERIAL IS REACHED OR AS DIRECTED BY ENGINEER.
2. CSTC OR CSBC MAY BE OMITTED BY ENGINEER.

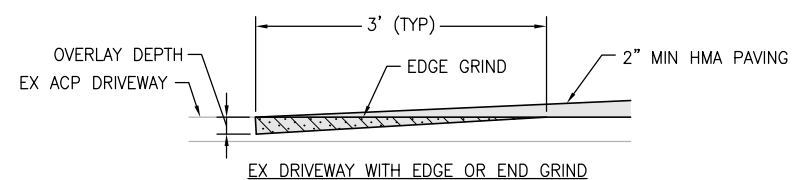
6 TYPICAL HMA PAVEMENT REPAIR AND PAVING
NTS



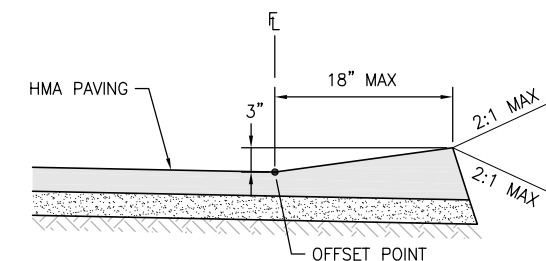
7 EDGE RESTORATION
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8 HMA BERM
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9 HMA DRIVEWAY
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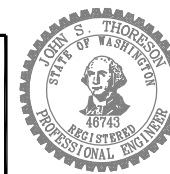


10 HMA THICKENED EDGE
NTS



REV. NO.	DATE	DESCRIPTION

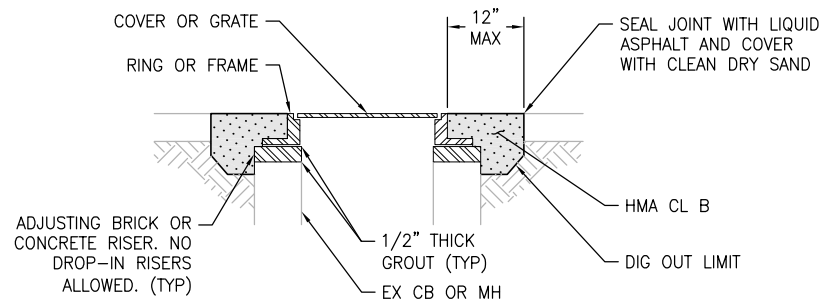
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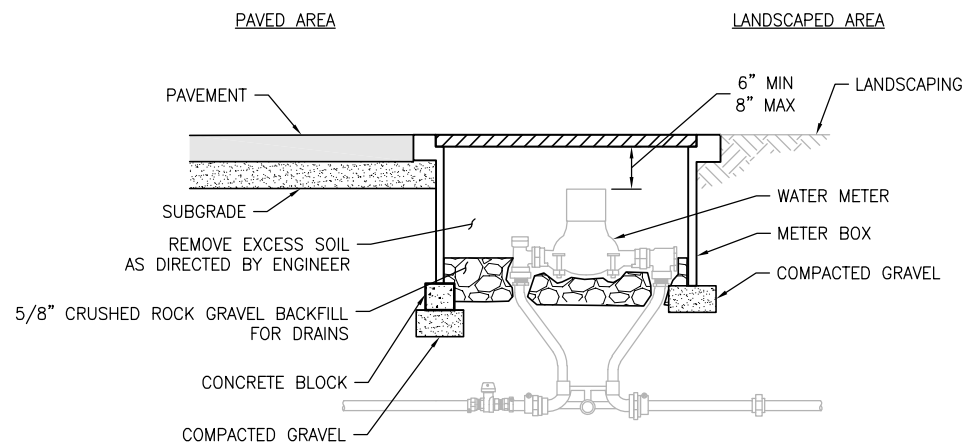
CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS
DETAILS

PROJECT	21-25
SCALE	NONE
SHEET	27 OF 30



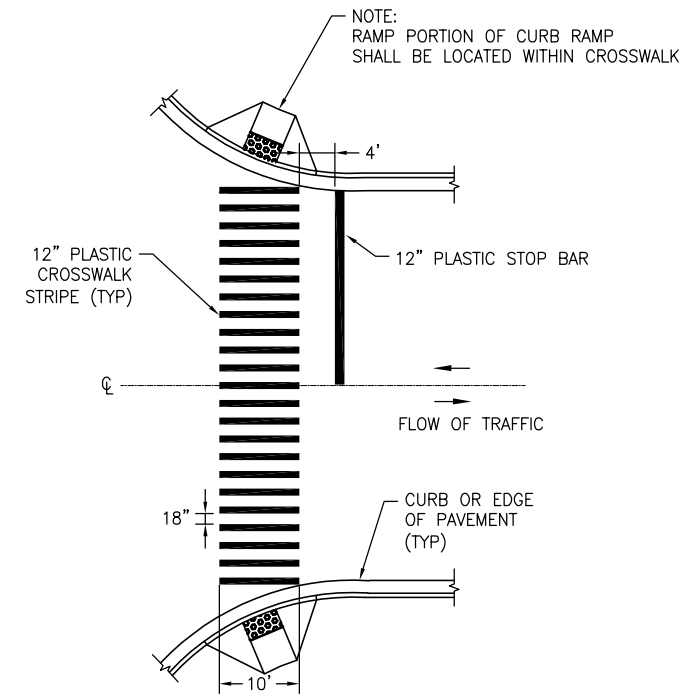
- NOTES:
1. ASPHALT PERIMETER SHALL EXTEND 2" BELOW ADJUSTMENT RINGS.
 2. UTILITIES WITH CONCRETE RINGS AROUND STRUCTURE SHALL HAVE CONCRETE REMOVED AND REPLACED WITH ACP PER THIS DETAIL.
 3. ADD OR REMOVE BRICK AND/OR RISERS TO ACHIEVE REQUIRED FINISHED RIM ELEVATION.
 4. CATCH BASINS IN THE FLOWLINE SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PAVING UNLESS DIRECTED BY THE ENGINEER.
 5. MANHOLES, VALVE BOXES, AND MONUMENTS SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING.

1 TYPICAL UTILITY ADJUSTMENT
NTS

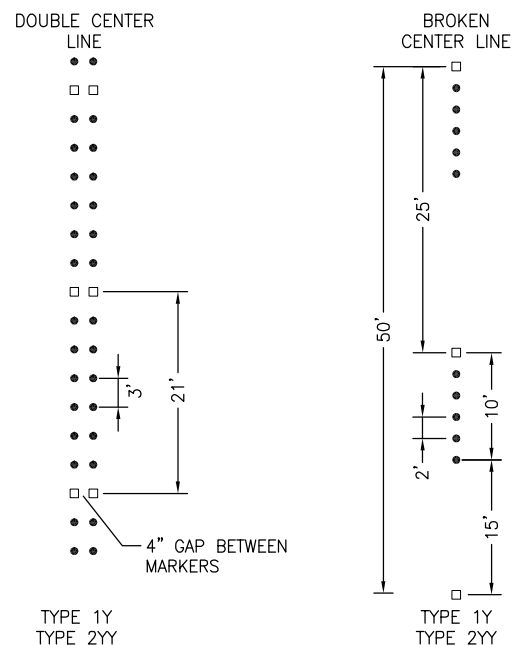


NOTE:
METER BOX SHALL BE PROVIDED BY CITY
(FOG TITE J20S STEEL BOX WITH TAR COATING OR EQUAL).

2 WATER METER BOX
NTS

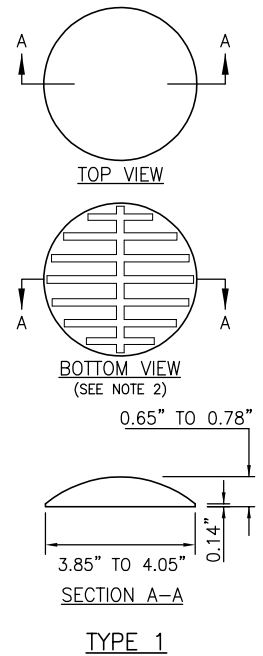


3 CROSSWALK AND STOP BAR STRIPING
NTS



- TYPE 1 RAISED PAVEMENT MARKER
- TYPE 2 RAISED PAVEMENT MARKER

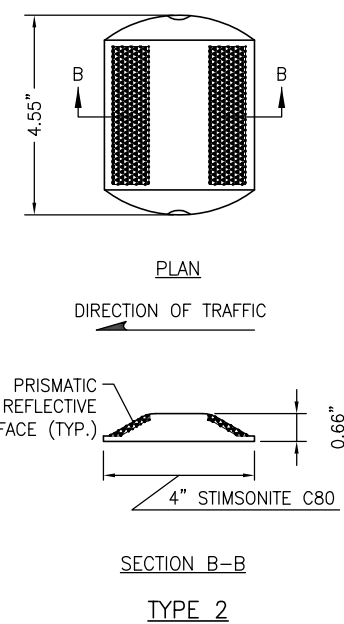
TYPE 2 RPM RAISED FACE COLORS	
TYPE 2YY	YELLOW AND YELLOW
TYPE 2W	WHITE-ONE SIDE ONLY
TYPE 2WW	WHITE AND WHITE
TYPE 1 RPM COLORS	
TYPE 1W	WHITE
TYPE 1Y	YELLOW



GENERAL NOTE:
ALL MARKERS INSTALLED ON HMA PAVEMENTS SHALL BE INSTALLED WITH BITUMINOUS ADHESIVE, CRAFCO STANDARD PAVEMENT MARKER ADHESIVE. SEE SPECIFICATION SECTION 9-02.1(8) AND 8-09.

- TYPE 1 NOTES:**
1. TYPE 1 MATERIAL- MARKER SHALL BE MOLDED OF A HIGH IMPACT, RECYCLED ACRYLONITRILE BUTADIENE STYRENE (ABS).
 2. MARKER BOTTOM SHALL ALLOW UPWARD FLOW OF ADHESIVE AND VENTING TO PREVENT AIR ENTRAPMENT.

- TYPE 2 NOTES:**
1. RAISED PAVEMENT MARKERS TYPE 2 SHALL BE STIMSONITE C80 OR APPROVED EQUAL.
 2. SUBSTITUTE PAVEMENT MARKERS SHALL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER, PRIOR TO THE INSTALLATION.

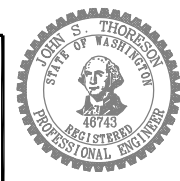


4 RAISED PAVEMENT MARKERS
NTS



REV. NO.	DATE	DESCRIPTION

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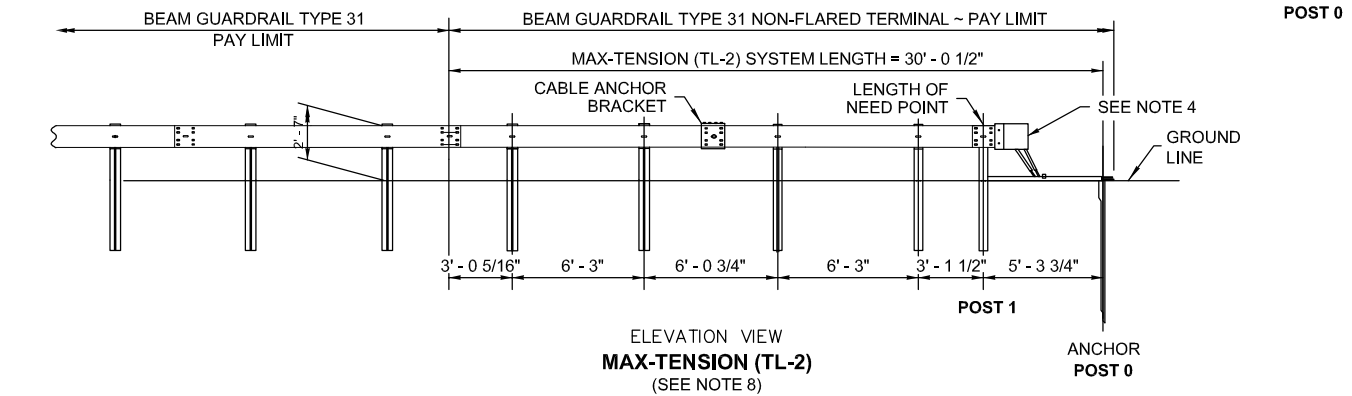
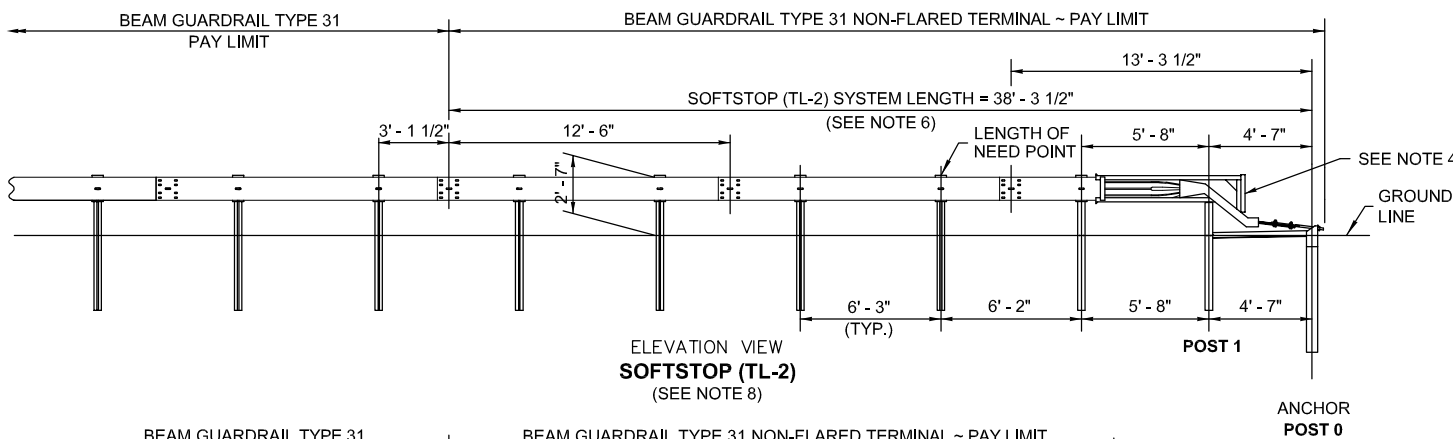
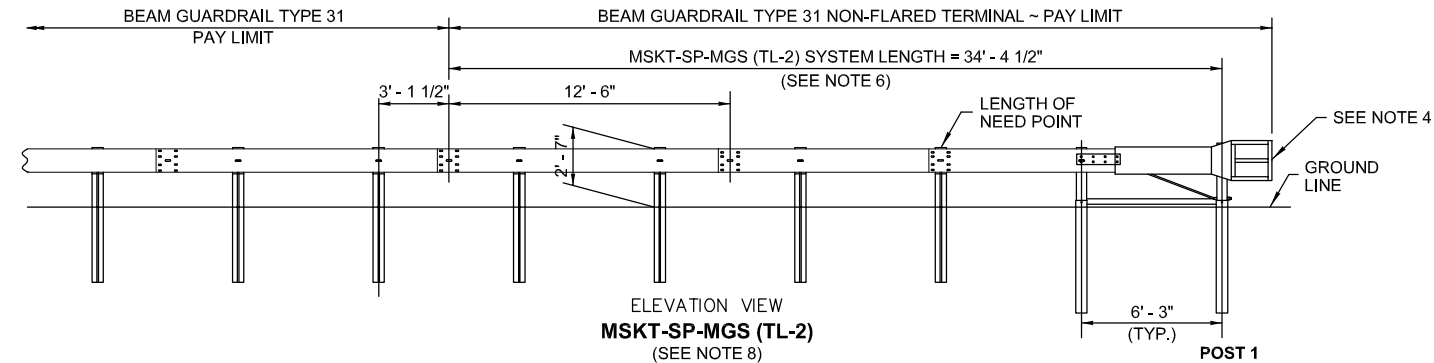
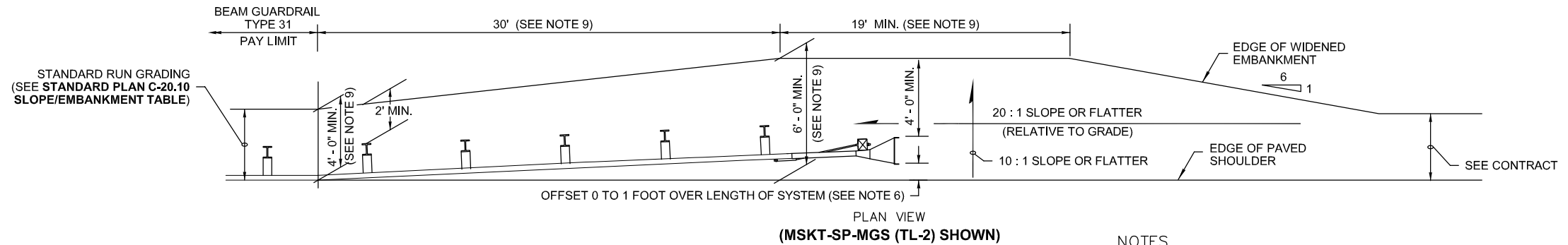


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DESIGN	4/23/21
DRAFT	JST
CHECK	XD
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CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
DETAILS

PROJECT	21-25
SCALE	NONE
SHEET	28 OF 30

File: Z:\2020 Projects\20004_2021_Mercer_Island_Overlay\Plans\20004_P-DTL.dwg ID: john Date: 23-Apr-21 10:21:53pm



NOTES

1. The Implementation of the Manual for Assessment of Safety Hardware (MASH) criteria may result in the acceptance of guardrail terminal systems currently not shown on this plan. Non-Flared terminals shall be selected from the WSDOT Qualified Products List (QPL) or approved through the WSDOT Request for Approval of Materials (RAM) process.
2. This terminal is MASH compliant at Test Level Two (TL-2) and may be used in applications with posted speed of 45 mph or less.
3. An MSKT-SP-MGS (TL-2) as manufactured by Road Systems, Inc, SOFTSTOP (TL-2) as manufactured by Trinity Highway Products, LLC, or MAX-TENSION (TL-2) as manufactured by Lindsay Transportation Solutions, shall be installed according to manufacturer's recommendations.
4. A reflectorized object marker shall be installed according to manufacturer's recommendations.
5. Snow load rail washers shall not be installed within the terminal limits.
6. Provide an offset between 0 to 1 foot so that the impact head does not encroach onto the paved shoulder. The offset is provided over the length of the terminal system from the center of the last post splice to either: (1) The face of the impact head at its leading edge (MSKT-SP-MGS), or (2) The center of anchor **Post 0** (Softstop or Max-Tension). Provide the maximum offset where practicable.
7. For terminal details, see WSDOT approved manufacturer's drawings.
8. These terminals are supplied with steel posts only. They can be used with beam guardrail Type 31 runs, composed of steel or wood guardrail posts.
9. The widened embankment dimensions shown on this plan will satisfy the installation requirements of all 3 guardrail terminal systems shown on this plan.

**BEAM GUARDRAIL TYPE 31
NON-FLARED TERMINAL
(POSTED SPEED
45 MPH AND BELOW)**

SHEET 1 OF 1 SHEET

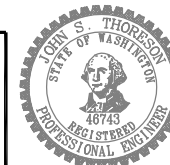
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WSDOT STD PLAN C-22.45-05
NTS



REV. NO.	DATE	DESCRIPTION

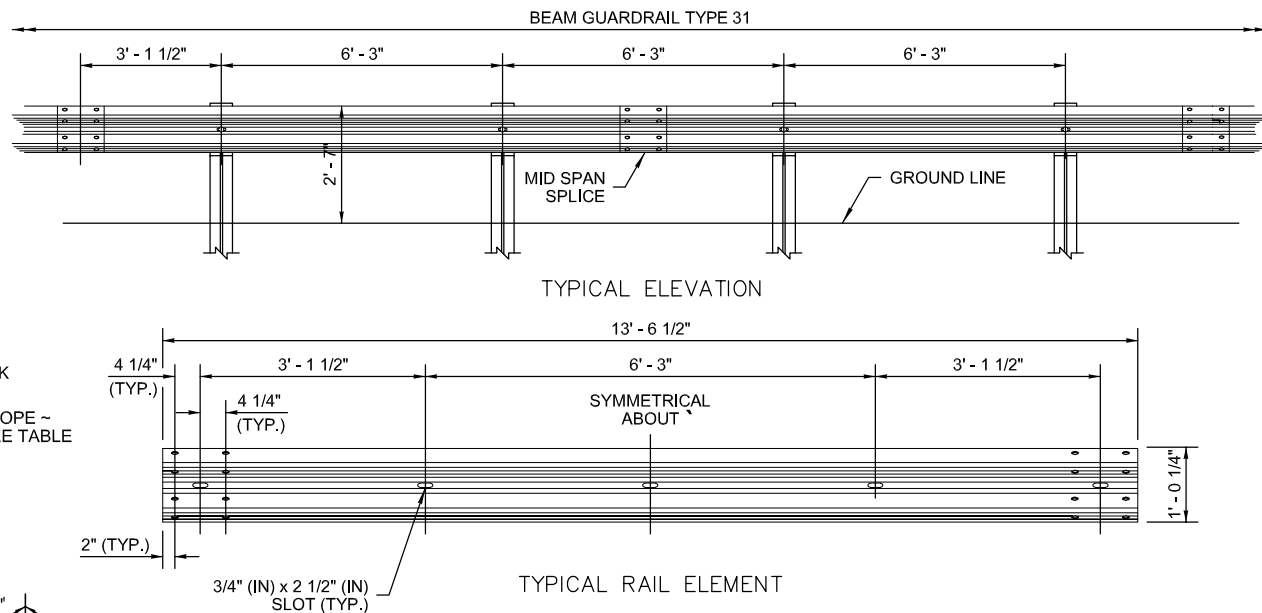
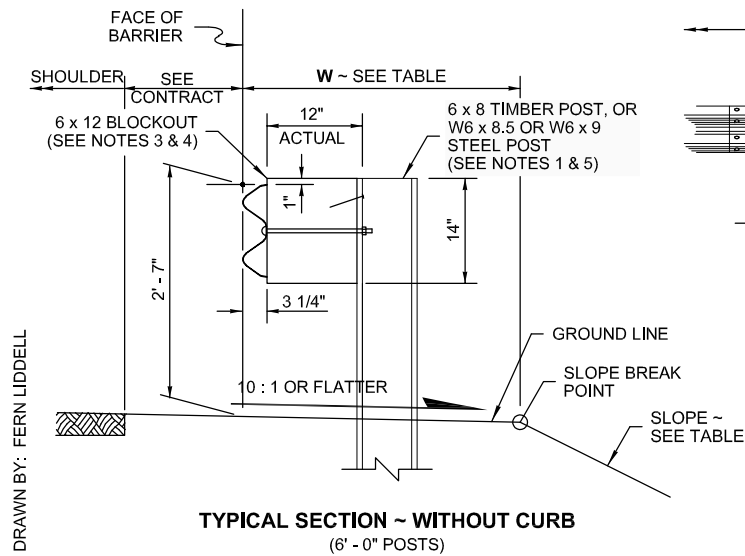
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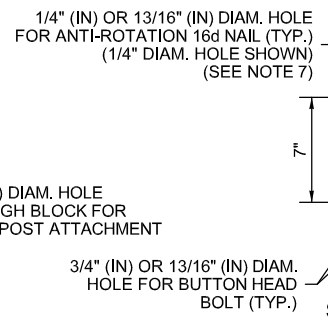
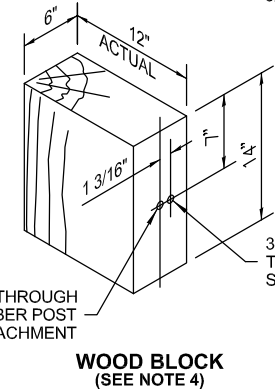
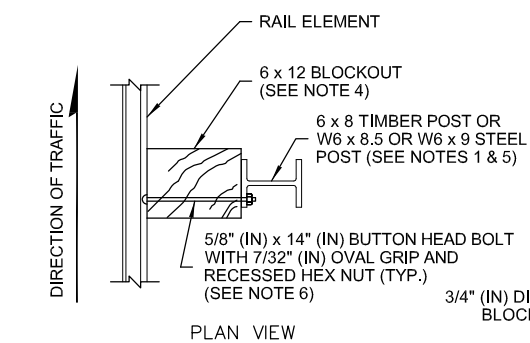
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**CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET
OVERLAYS**
DETAILS

PROJECT	21-25
SCALE	1"=20'
SHEET	29 OF 30

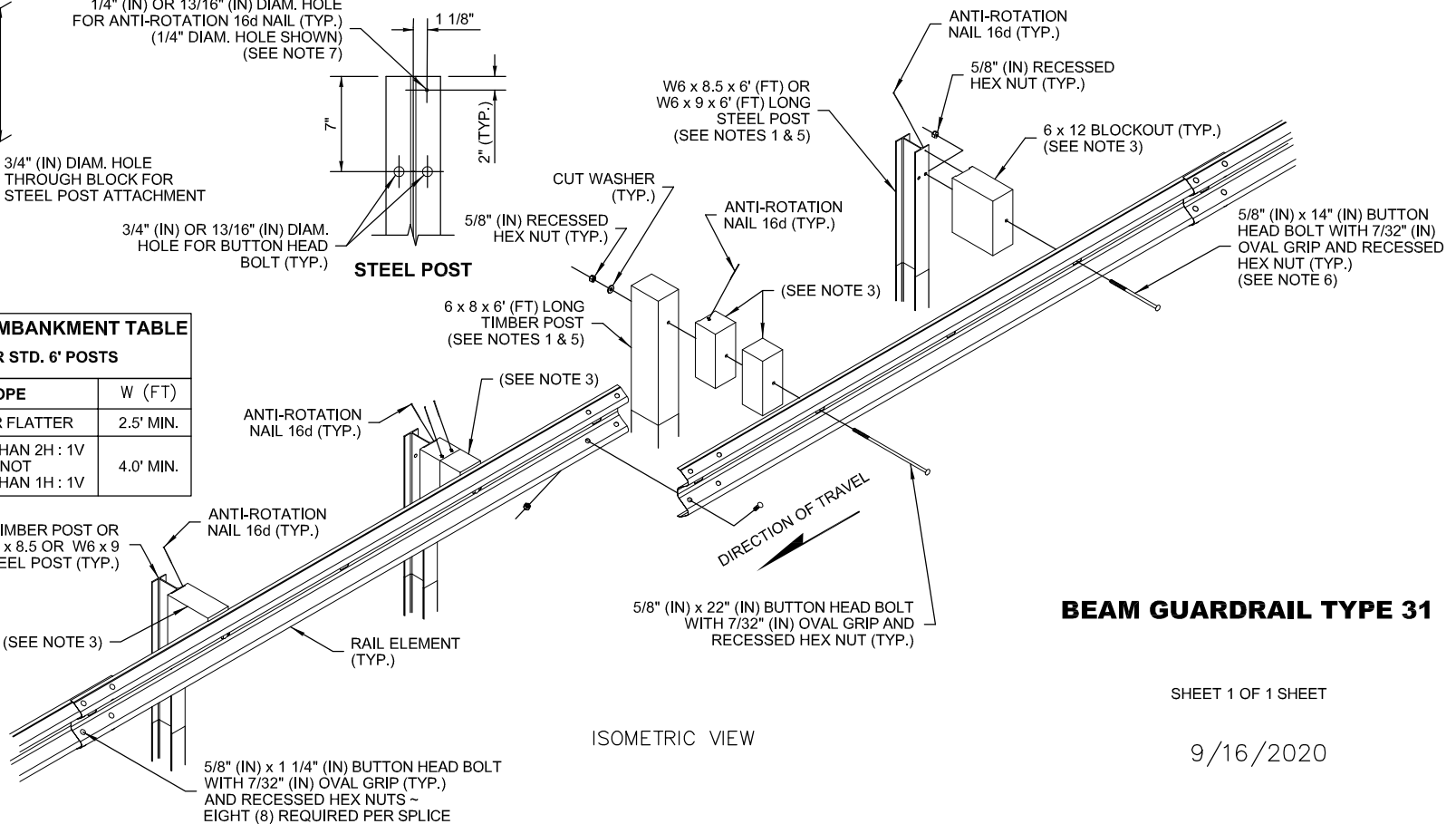
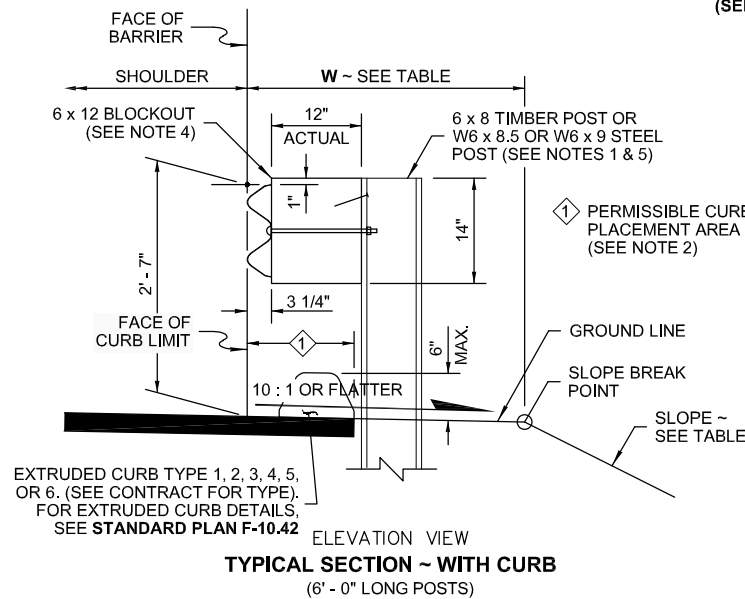


- NOTES**
1. Refer to **Standard Plan C-1b** and **C-20.11** for additional details not shown on this plan.
 2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
 3. Use a single block or combination of blocks (no more than two (2)) to achieve the actual 12" (in) offset. See **Standard Specification, Section 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16d galvanized nails to prevent block rotation.
 4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification, Section 9-16.3(2)**.
 5. All posts for any standard barrier run shall be of the same type: timber or steel.
 6. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
 7. Anti-rotation holes in steel posts are not required when using blocks with anti-rotation features (e.g., routed blocks).



SLOPE EMBANKMENT TABLE FOR STD. 6' POSTS

SLOPE	W (FT)
2H : 1V OR FLATTER	2.5' MIN.
STEEPER THAN 2H : 1V BUT NOT STEEPER THAN 1H : 1V	4.0' MIN.



BEAM GUARDRAIL TYPE 31

SHEET 1 OF 1 SHEET
9/16/2020

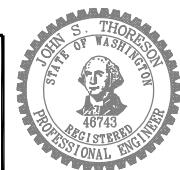
WSDOT STD PLAN C-20.10-06
NTS



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206-659-0612

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CHECK	JST

CITY OF MERCER ISLAND
2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS
DETAILS

PROJECT	21-25
SCALE	1"=20'
SHEET	30 OF 30

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