



# CITY OF MERCER ISLAND KING COUNTY WASHINGTON



## 2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

- SCHEDULE A - ARTERIAL OVERLAY (SE 68TH ST AND SE 70TH PL)
- SCHEDULE B - SOUTH ISLAND RESIDENTIAL OVERLAYS
- SCHEDULE C - PARKWEST RESIDENTIAL OVERLAYS
- SCHEDULE D - PAVEMENT REPAIRS - VARIOUS LOCATIONS

PROJECT NO. 22-14

APRIL 2022

BID DOCUMENT

SCHEDULE C:  
82ND AVE SE  
83RD AVE SE  
SE 65TH ST  
SE 66TH ST  
SE 67TH ST

SCHEDULE A:  
SE 68TH ST & SE 70TH PL

SCHEDULE B:  
SE 68TH ST  
93RD AVE SE

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2	NOTES, LEGEND, & QUANTITIES
3	TYPICAL SECTIONS
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8-11	SE 68TH ST & SE 70TH PL CHANNELIZATION
SCH B - SOUTH ISLAND RESIDENTIAL OVERLAYS	
12	SE 68TH ST OVERLAY
13-14	93RD AVE SE OVERLAY

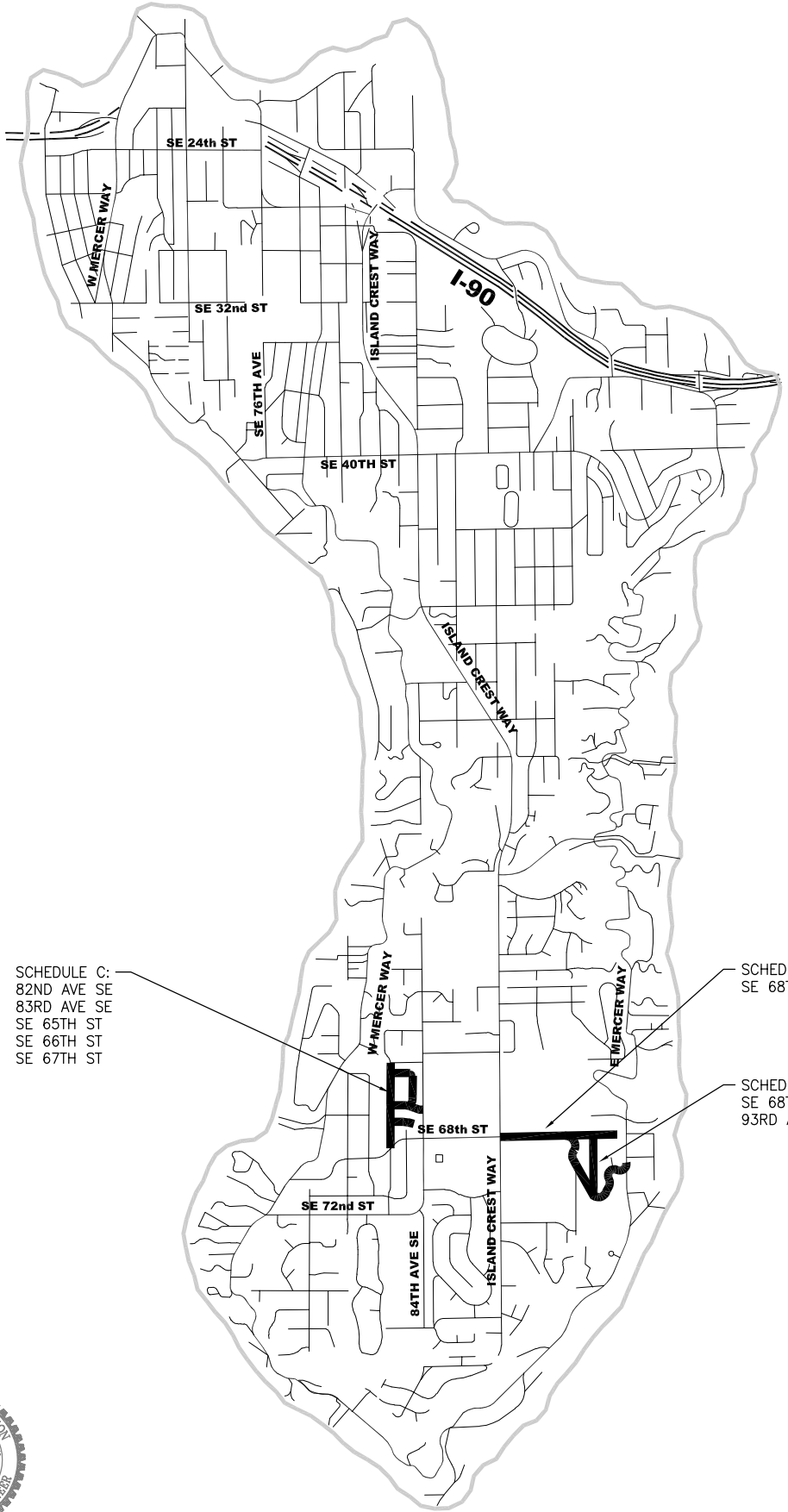
### SHEET INDEX

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DETAILS	
20	DETAILS
21	DETAILS
22	DETAILS



4/1/2022

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**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	NB	NORTHBOUND
AVE	AVENUE	NE	NORTHEAST
BC	BEGIN CURB	NO	NUMBER
BCR	BEGIN CURB RETURN	NW	NORTHWEST
BV	BUTTERFLY VALVE	P	POWER
BM	BENCH MARK	PA	POWER AERIAL
BO	BLOW OFF	PC	POINT OF CURVATURE
CAP	CORRUGATED ALUMINUM PIPE	PCC	PORTLAND CEMENT CONCRETE
CATV	CABLE TELEVISION	PE	PERFORATED PIPE
CB	CATCH BASIN	PED	PEDESTAL
CEM	CEMENT	PI	POINT OF INTERSECTION
CI	CAST IRON	PL	PLASTIC PIPE
CL	CENTER LINE, CLASS	PP	POWER POLE
COMPT	COMPACTED	PRV	PRESSURE REDUCING VALVE
CONC	CONCRETE	PS	PRESSURE SEWER
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENCY
CSP	CORRUGATED STEEL PIPE	PV	POWER VAULT
CSBC	CRUSHED SURFACING BASE COURSE	PVC	POINT OF VERTICAL CURVATURE
CSTC	CRUSHED SURFACING TOP COURSE	PVI	POINT OF VERTICAL INTERSECTION
CU	YD CUBIC YARD DRAIN	PVT	PRIVATE
DI	DUCTILE IRON PIPE	PVMT	PAVEMENT
DIA	DIAMETER	R	RADIUS
DR	DRIVE	RES	RESTRAINED JOINT PIPE
DTL	DETAIL	RPM	RAISED PAVEMENT MARKER
DWS	DETECTABLE WARNING SURFACE	RT	RIGHT
DWY	DRIVEWAY	R/W	RIGHT-OF-WAY
ELEC	ELECTRICAL	SB	SOUTHBOUND
ELEV	ELEVATION	SD	STORM DRAIN
EB	EASTBOUND	SDMH	STORM DRAIN MANHOLE
EC	END CURB	SE	SOUTHEAST
EOP	EDGE OF PAVEMENT	SP	SIGNAL POLE
EOS	EDGE OF SHOULDER	SQFT	SQUARE FEET
EXCVTN	EXCAVATION	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	WB	WESTBOUND
LF	LINEAR FEET	WC	WATERCOURSE
LT	LEFT	WM	WATER METER
MAX	MAXIMUM	WV	WATER VALVE
MB	MAILBOX	WS	WATER SERVICE LINE

**LEGEND**

-----	SAWCUT OR PLANING LIMIT
//////	BUTT JOINT
XXXXXX	EDGE GRIND
=====	HMA BERM OR NEW CONC CURB
=====	HMA THICKENED EDGE
[+ + + +]	REMOVE ACP
[---]	PLANING BITUMINOUS PAVEMENT, DEPTH PER PLAN
[Hatched]	HMA FOR PAVEMENT REPAIR, PER PLAN AND TYPICAL SECTION
[Diagonal]	HMA FOR PRELEVEL PER PLAN AND TYPICAL SECTION (PAID AS HMA FOR PAVING)
[Solid]	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 1/20, 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," 2020 EDITION, UNLESS OTHERWISE SPECIFIED BY THE SPECIAL PROVISIONS.
- PLACE ONE BLUE TYPE 2 RPM AT EACH FIRE HYDRANT.

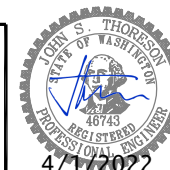
**ESTIMATED PROJECT QUANTITIES**

SCHEDULE	STREET NAME	FROM	TO	SHEET NO.	LENGTH (LF)	AVG WIDTH (FT)	PLANING (SY)	PAVEMENT REPAIR EXCAVATION INCL HAUL (SY)	HMA FOR PAVEMENT REPAIR (TON)	HMA FOR PAVING (TON)
SCHEDULE A - ARTERIAL OVERLAY										
	SE 68TH ST AND SE 70TH PL	ISLAND CREST WAY	E MERCER WAY	4-7	3,248	29	3,400	550	95	2,020
SCHEDULE B - SOUTH ISLAND RESIDENTIAL OVERLAY										
	SE 68TH ST	SE 70TH PL	END	12	817	24	555	420	110	410
	93RD AVE SE	SE 70TH PL	SE 68TH ST	13-14	1,109	20	540	80	22	570
SCHEDULE C - PARKWEST RESIDENTIAL OVERLAY										
	82ND AVE SE	SE 70TH ST	SE 64TH ST	15-16	1,374	31	25	130	35	1,550
	83RD AVE SE	SE 65TH ST	SE 66TH ST	17	515	30	-	-	-	500
	SE 65TH ST	82ND AVE SE	83RD AVE SE	17	400	31	-	-	-	500
	SE 66TH ST	82ND AVE SE	84TH AVE SE	18	532	32	-	-	-	640
	SE 67TH ST	82ND AVE SE	END	18	400	32	90	95	25	320
SCHEDULE D - PAVEMENT REPAIRS										
	VARIES			19	VARIES	VARIES	-	1,163	206	-
TOTAL					1.6 (MI)	-	4,610	2,438	493	6,510



REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



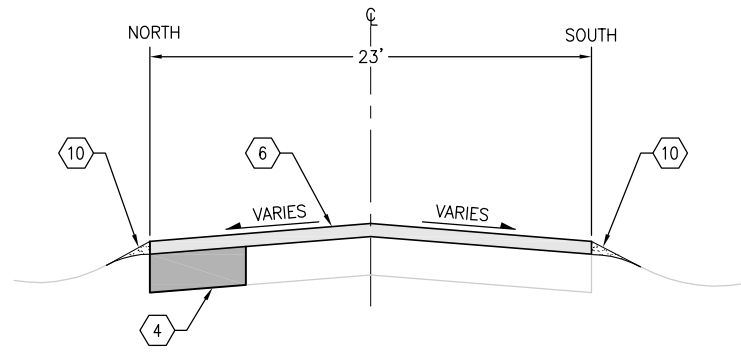
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**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 NOTES, LEGEND, & QUANTITIES

PROJECT	22-14
SCALE	NONE
SHEET	2 OF 22

**SECTION LEGEND**

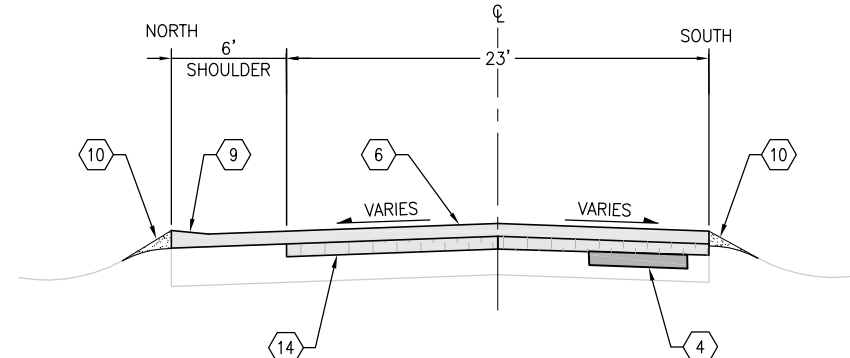
- 1 REMOVE ASPH CONC PAVEMENT, FULL DEPTH, AS FIELD MARKED
- 2 PAVE HMA BERM W/ HMA FOR PAVING PER DTL 8/20
- 3 WIDEN ROADWAY, AS FIELD MARKED, PER PAVEMENT REPAIR DTL 7/20
- 4 REPAIR PAVEMENT, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR PER DTL 7/20
- 5 PRELEVEL, AS FIELD MARKED, W/ HMA FOR PAVING
- 6 OVERLAY ROAD W/ HMA FOR PAVING, 2" DEPTH (TYP)
- 7 SAWCUT, FULL DEPTH
- 8 PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING PER DTL 6/20
- 9 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING PER DTL 9/20
- 10 RESTORE SHOULDER WITH CSTC, TOPSOIL AND GRASS SEED, OR BARK MULCH TO MATCH EX AS DIRECTED BY ENGINEER PER DTL 10/20
- 11 PLANING BITUMINOUS PAVEMENT, AS FIELD MARKED, DEPTH PER PLAN
- 12 SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH PLANAR AND CROWNED ROAD BED
- 13 PROFILE GRIND PAVEMENT, AS FIELD MARKED, 2" DEPTH AT FLOW LINE TAPERED TO 0" AT CENTER LINE
- 14 MILL AND FILL: PLANING BITUMINOUS PAVEMENT, AS FIELD MARKED, AND PAVE W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 15 WIDEN ROADWAY, AS FIELD MARKED, PER HMA RESIDENTIAL ROAD DTL 6/20
- 16 REDUCE ROADWAY WIDTH, AS FIELD MARKED, AND BACKFILL WITH CSTC



NOTE:  
EX ROAD SECTION: 5"-6.75" ACP OVER FILL

**SCH A - SE 68TH ST  
TYPICAL SECTION**

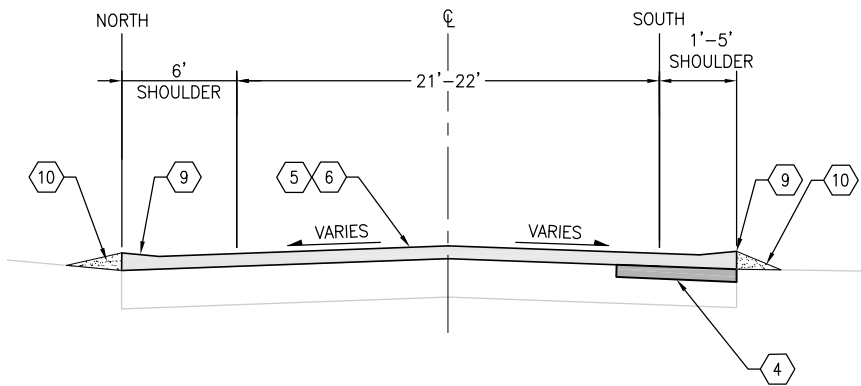
A  
VAR STA 9+97 TO STA 20+61  
NTS



NOTE:  
EX ROAD SECTION: 5.5"-8" ACP OVER FILL OR CSTC

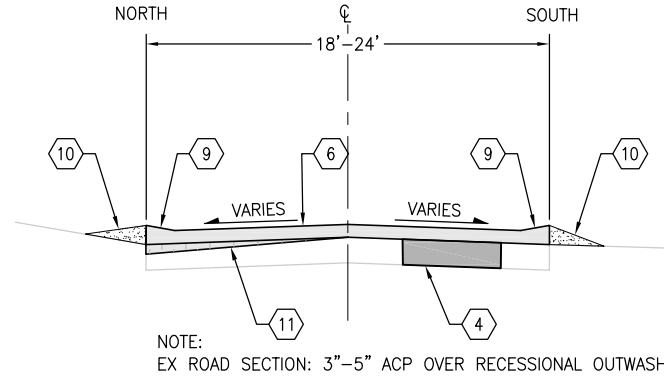
**SCH A - SE 70TH PL  
TYPICAL SECTION**

B  
VAR STA 20+61 TO STA 34+37  
NTS



**SCH A - SE 70TH PL  
TYPICAL SECTION**

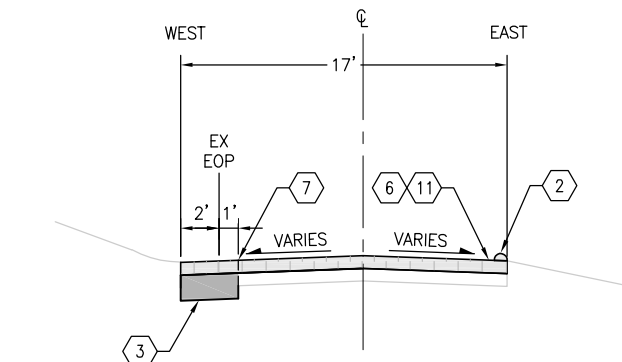
C  
7 STA 38+14 TO STA 41+95  
NTS



NOTE:  
EX ROAD SECTION: 3"-5" ACP OVER RECESSIONAL OUTWASH

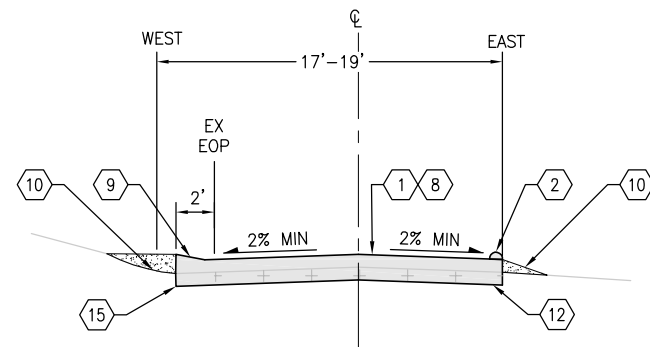
**SCH B - SE 68TH ST  
TYPICAL SECTION**

D  
12 STA 50+00 TO STA 58+17  
NTS



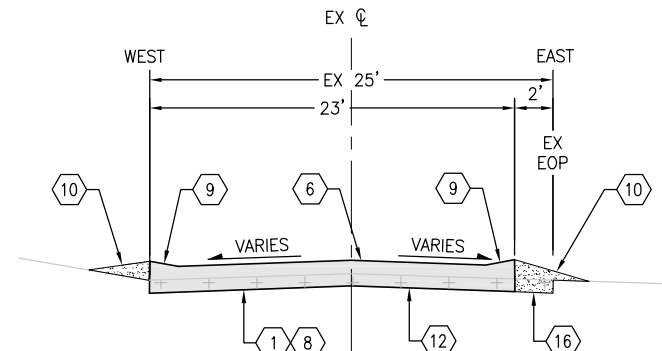
**SCH B - 93RD AVE SE  
TYPICAL SECTION**

E  
13 STA 66+85 TO STA 69+50  
NTS



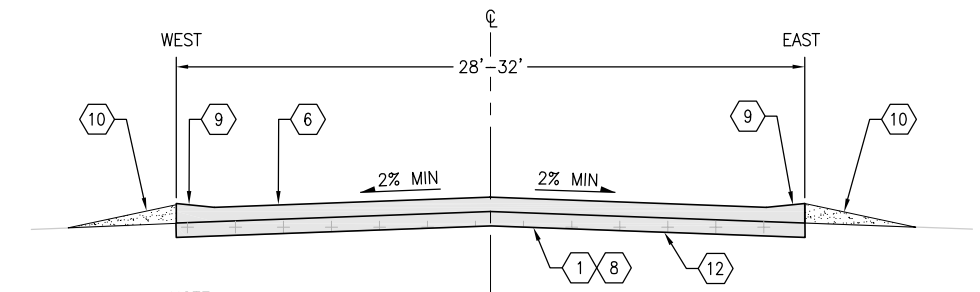
**SCH B - 93RD AVE SE  
TYPICAL SECTION**

F  
VAR STA 69+50 TO STA 72+12 & 73+06 TO 76+05  
NTS



**SCH B - 93RD AVE SE  
TYPICAL SECTION**

G  
14 STA 72+12 TO STA 73+06  
NTS



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

**SCH C - PARKWEST RESIDENTIAL OVERLAYS  
TYPICAL SECTION**

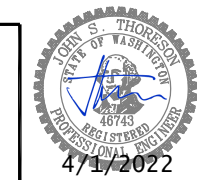
H  
VAR NTS

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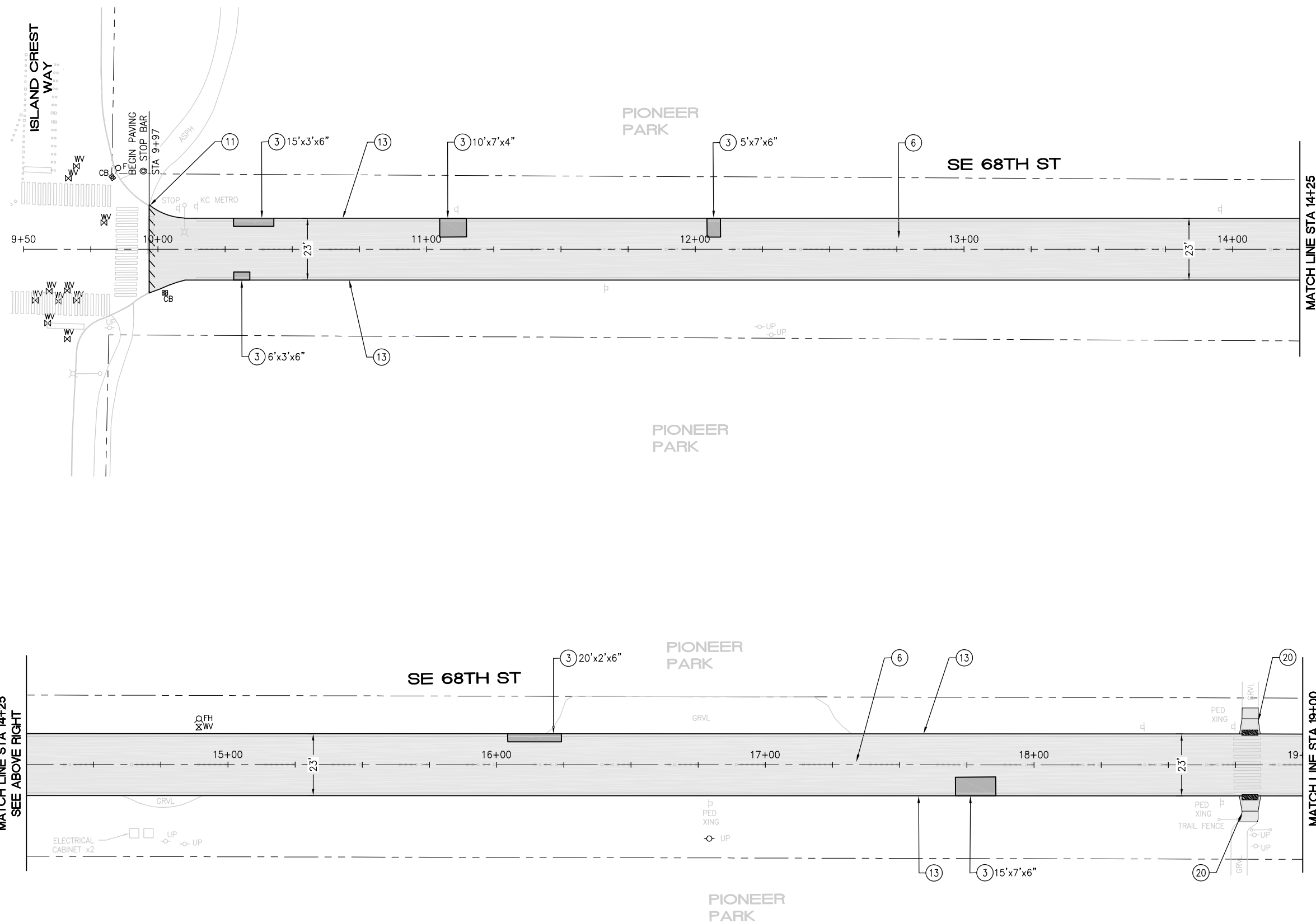


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CHECK	JST

**CITY OF MERCER ISLAND  
2022 ARTERIAL AND RESIDENTIAL STREET  
OVERLAYS**

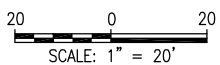
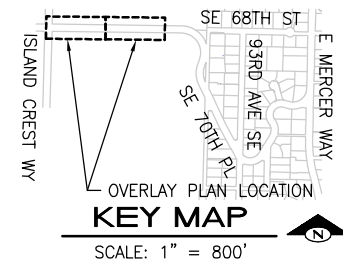
TYPICAL SECTIONS

PROJECT	22-14
SCALE	NONE
SHEET	3 OF 22



**CONSTRUCTION NOTES**

- 1 SAWCUT, FULL DEPTH
- 2 EDGE GRIND PAVEMENT PER DTL 10/20
- 3 REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL 1/2"
- 4 PAVE DRIVEWAY W/ HMA FOR PAVING CL 1/2" PER DTL 4/20
- 5 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL 1/2" PER DTL 9/20
- 6 OVERLAY ROAD W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 7 ADJUST VALVE BOX TO GRADE PER DTL 1/21
- 8 ADJUST SEWER MANHOLE TO GRADE PER DTL 1/21
- 9 ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- 10 INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- 11 BUTT GRIND PAVEMENT PER DTL 2/20
- 12 FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- 13 REMOVE SOD TO LOCATE EDGE OF EX ASPH PRIOR TO PAVING FROM ICW TO APPROX STA 24+25 AND AS DIRECTED BY ENGINEER
- 14 MILL AND FILL 2": PLANE BITUMINOUS PAVEMENT, AS FIELD MARKED, AND PAVE W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 15 REMOVE EX CURB ISLAND, VEGETATION, AND SOIL DOWN TO EXISTING GRAVEL BASE
- 16 PRELEVEL, AS FIELD MARKED, WITH HMA FOR PAVING CL 1/2"
- 17 ADJUST MONUMENT TO GRADE PER DTL 1/21
- 18 PROFILE GRIND PAVEMENT, AS FIELD MARKED, 2" DEPTH AT FLOW LINE TAPERED TO 0" AT CENTER LINE
- 19 ADJUST WATER METER TO GRADE PER DTL 1/21
- 20 GRADE AND PAVE HMA RAMP W/ MAX RUNNING SLOPE 8.3% AND 4' LANDING AT 2% MAX AS DIRECTED BY ENGINEER. INSTALL DWS
- 21 REMOVE ROOTS
- 22 MILL 2" NEAR THE CENTERLINE AND 4" AT THE EOP TO SMOOTH PAVEMENT HEAVED BY ROOTS. FILL 2" W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 23 REMOVE ASPH CONC PAVEMENT
- 24 WIDEN SHOULDER AS FIELD MARKED W/ HMA FOR PAVING CL 1/2" PER HMA RESIDENTIAL ROAD DTL 6/20, THEN OVERLAY ROAD W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 25 ADJUST TEL UTILITY BOX TO GRADE PER DTL 1/21. DO NOT ADJUST ADJACENT ELEC JUNCTION BOX
- 26 TACK AND FEATHER NEW HMA JOINT AS DIRECTED BY ENGINEER
- 27 PAVE W/ HMA FOR PAVING CL 1/2" PER DTL 5/20
- 28 LOWER UTILITY FOR PROFILE GRINDING



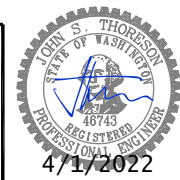
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**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

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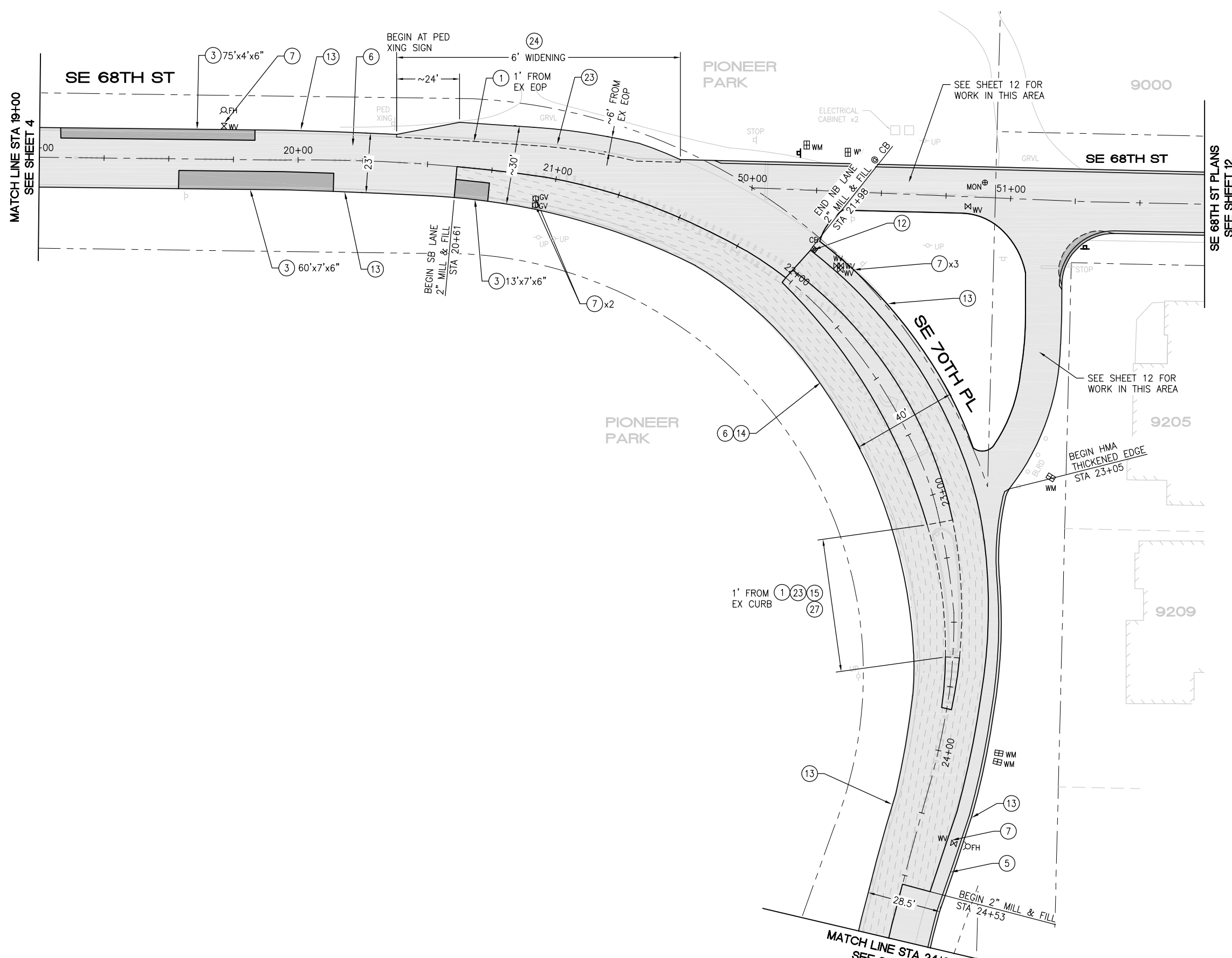


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**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE A  
 ARTERIAL OVERLAY  
 SE 68TH ST & SE 70TH PL

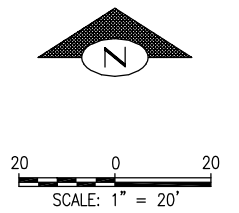
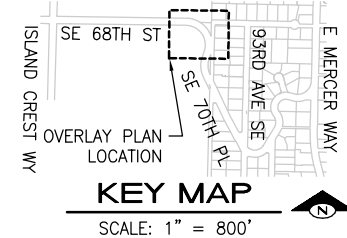
PROJECT	22-14
SCALE	1"=20'
SHEET	<b>4 OF 22</b>





**CONSTRUCTION NOTES**

- 1 SAWCUT, FULL DEPTH
- 2 EDGE GRIND PAVEMENT PER DTL 10/20
- 3 REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL 1/2"
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- 26 TACK AND FEATHER NEW HMA JOINT AS DIRECTED BY ENGINEER
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- 28 LOWER UTILITY FOR PROFILE GRINDING



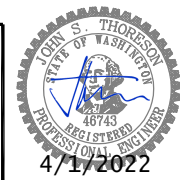
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**CM DESIGN GROUP**  
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REV. NO.	DATE	DESCRIPTION

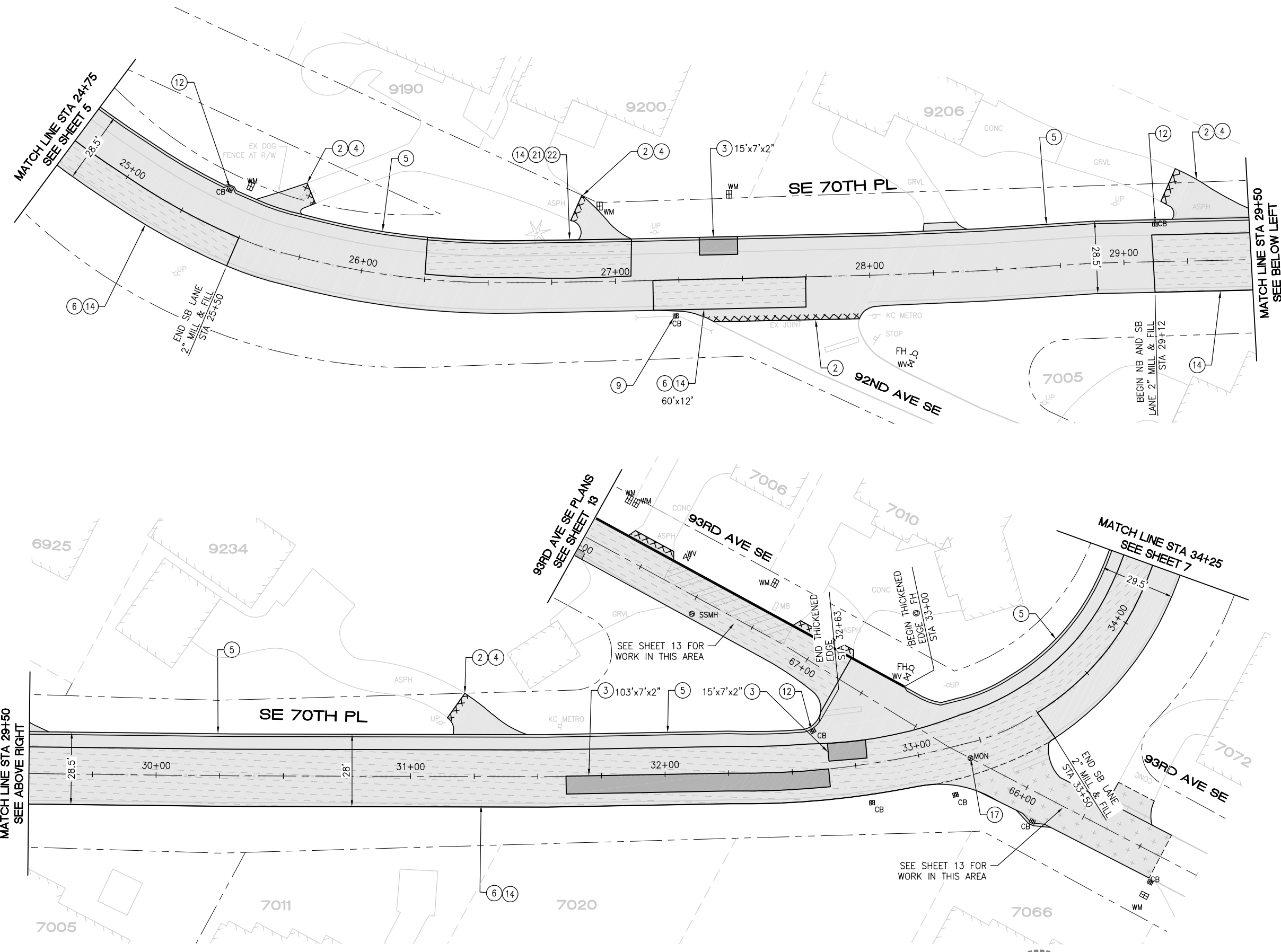
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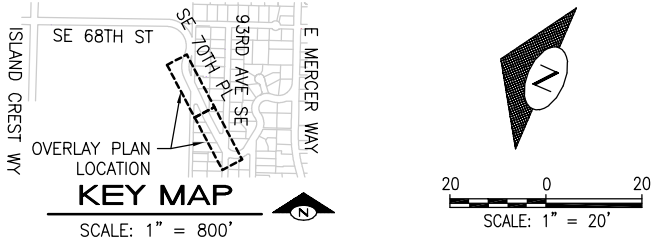
**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE A  
 ARTERIAL OVERLAY  
 SE 68TH ST & SE 70TH PL

PROJECT	22-14
SCALE	1"=20'
SHEET	5 OF 22



### CONSTRUCTION NOTES

- 1 SAWCUT, FULL DEPTH
- 2 EDGE GRIND PAVEMENT PER DTL 10/20
- 3 REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL 1/2"
- 4 PAVE DRIVEWAY W/ HMA FOR PAVING CL 1/2" PER DTL 4/20
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- 8 ADJUST SEWER MANHOLE TO GRADE PER DTL 1/21
- 9 ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- 10 INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- 11 BUTT GRIND PAVEMENT PER DTL 2/20
- 12 FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- 13 REMOVE SOD TO LOCATE EDGE OF EX ASPH PRIOR TO PAVING FROM ICW TO APPROX STA 24+25 AND AS DIRECTED BY ENGINEER
- 14 MILL AND FILL 2": PLANE BITUMINOUS PAVEMENT, AS FIELD MARKED, AND PAVE W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 15 REMOVE EX CURB ISLAND, VEGETATION, AND SOIL DOWN TO EXISTING GRAVEL BASE
- 16 PRELEVEL, AS FIELD MARKED, WITH HMA FOR PAVING CL 1/2"
- 17 ADJUST MONUMENT TO GRADE PER DTL 1/21
- 18 PROFILE GRIND PAVEMENT, AS FIELD MARKED, 2" DEPTH AT FLOW LINE TAPERED TO 0" AT CENTER LINE
- 19 ADJUST WATER METER TO GRADE PER DTL 1/21
- 20 GRADE AND PAVE HMA RAMP W/ MAX RUNNING SLOPE 8.3% AND 4' LANDING AT 2% MAX AS DIRECTED BY ENGINEER. INSTALL DWS
- 21 REMOVE ROOTS
- 22 MILL 2" NEAR THE CENTERLINE AND 4" AT THE EOP TO SMOOTH PAVEMENT HEAVED BY ROOTS. FILL 2" W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 23 REMOVE ASPH CONC PAVEMENT
- 24 WIDEN SHOULDER AS FIELD MARKED W/ HMA FOR PAVING CL 1/2" PER HMA RESIDENTIAL ROAD DTL 6/20, THEN OVERLAY ROAD W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- 25 ADJUST TEL UTILITY BOX TO GRADE PER DTL 1/21. DO NOT ADJUST ADJACENT ELEC JUNCTION BOX
- 26 TACK AND FEATHER NEW HMA JOINT AS DIRECTED BY ENGINEER
- 27 PAVE W/ HMA FOR PAVING CL 1/2" PER DTL 5/20
- 28 LOWER UTILITY FOR PROFILE GRINDING



File: ZA\2021\Projects\811\Plan\811\21007\_Plan\SE 70th Pl.dwg ID: john Date: 01-Apr-22 10:27:59am



**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



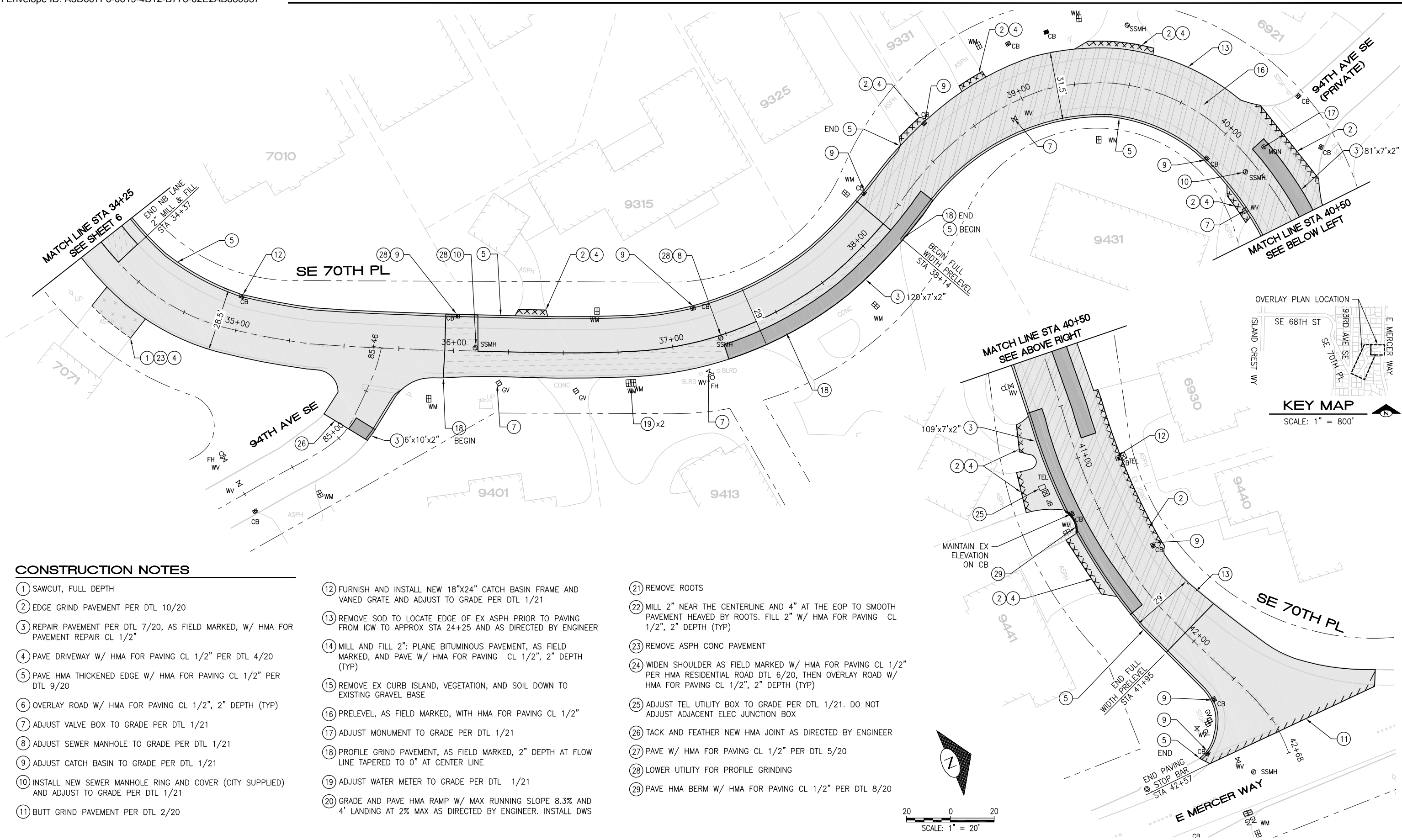
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4/1/2022	
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
 2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS

SCHEDULE A  
 ARTERIAL OVERLAY  
 SE 68TH ST & SE 70TH PL

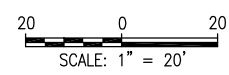
PROJECT	22-14
SCALE	1"=20'
SHEET	6 OF 22





**CONSTRUCTION NOTES**

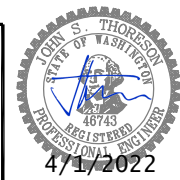
- (1) SAWCUT, FULL DEPTH
- (2) EDGE GRIND PAVEMENT PER DTL 10/20
- (3) REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL 1/2"
- (4) PAVE DRIVEWAY W/ HMA FOR PAVING CL 1/2" PER DTL 4/20
- (5) PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL 1/2" PER DTL 9/20
- (6) OVERLAY ROAD W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- (7) ADJUST VALVE BOX TO GRADE PER DTL 1/21
- (8) ADJUST SEWER MANHOLE TO GRADE PER DTL 1/21
- (9) ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- (10) INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- (11) BUTT GRIND PAVEMENT PER DTL 2/20
- (12) FURNISH AND INSTALL NEW 18"x24" CATCH BASIN FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- (13) REMOVE SOD TO LOCATE EDGE OF EX ASPH PRIOR TO PAVING FROM ICW TO APPROX STA 24+25 AND AS DIRECTED BY ENGINEER
- (14) MILL AND FILL 2": PLANE BITUMINOUS PAVEMENT, AS FIELD MARKED, AND PAVE W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- (15) REMOVE EX CURB ISLAND, VEGETATION, AND SOIL DOWN TO EXISTING GRAVEL BASE
- (16) PRELEVEL, AS FIELD MARKED, WITH HMA FOR PAVING CL 1/2"
- (17) ADJUST MONUMENT TO GRADE PER DTL 1/21
- (18) PROFILE GRIND PAVEMENT, AS FIELD MARKED, 2" DEPTH AT FLOW LINE TAPERED TO 0" AT CENTER LINE
- (19) ADJUST WATER METER TO GRADE PER DTL 1/21
- (20) GRADE AND PAVE HMA RAMP W/ MAX RUNNING SLOPE 8.3% AND 4' LANDING AT 2% MAX AS DIRECTED BY ENGINEER. INSTALL DWS
- (21) REMOVE ROOTS
- (22) MILL 2" NEAR THE CENTERLINE AND 4" AT THE EOP TO SMOOTH PAVEMENT HEAVED BY ROOTS. FILL 2" W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- (23) REMOVE ASPH CONC PAVEMENT
- (24) WIDEN SHOULDER AS FIELD MARKED W/ HMA FOR PAVING CL 1/2" PER HMA RESIDENTIAL ROAD DTL 6/20, THEN OVERLAY ROAD W/ HMA FOR PAVING CL 1/2", 2" DEPTH (TYP)
- (25) ADJUST TEL UTILITY BOX TO GRADE PER DTL 1/21. DO NOT ADJUST ADJACENT ELEC JUNCTION BOX
- (26) TACK AND FEATHER NEW HMA JOINT AS DIRECTED BY ENGINEER
- (27) PAVE W/ HMA FOR PAVING CL 1/2" PER DTL 5/20
- (28) LOWER UTILITY FOR PROFILE GRINDING
- (29) PAVE HMA BERM W/ HMA FOR PAVING CL 1/2" PER DTL 8/20



**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
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**BID DOCUMENT**

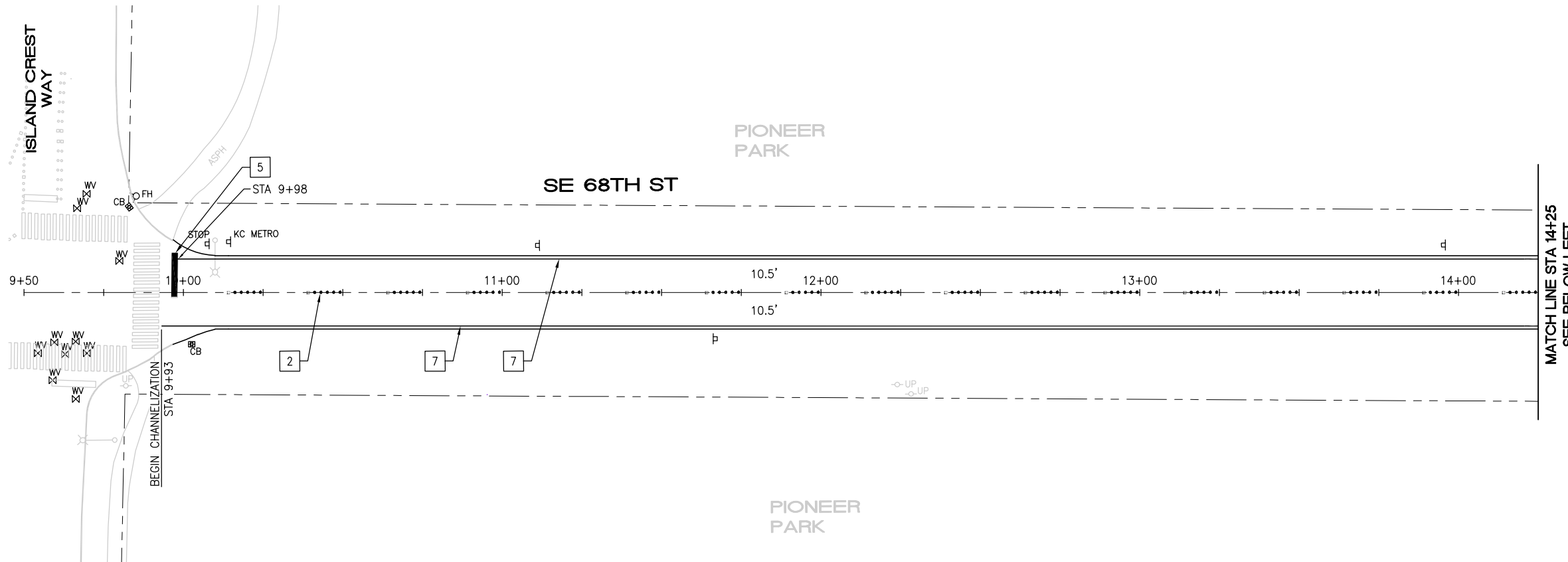


DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
 2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS  
 SCHEDULE A  
 ARTERIAL OVERLAY  
 SE 68TH ST & SE 70TH PL

PROJECT	22-14
SCALE	1" = 20'
SHEET	7 OF 22

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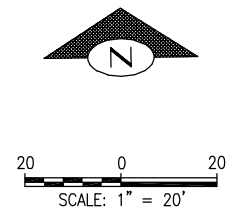
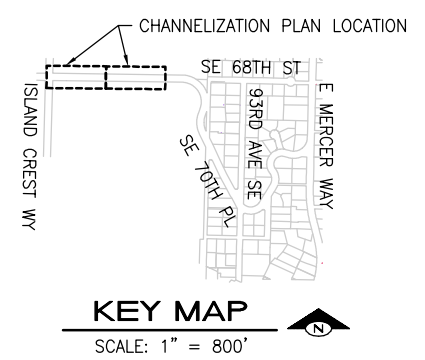
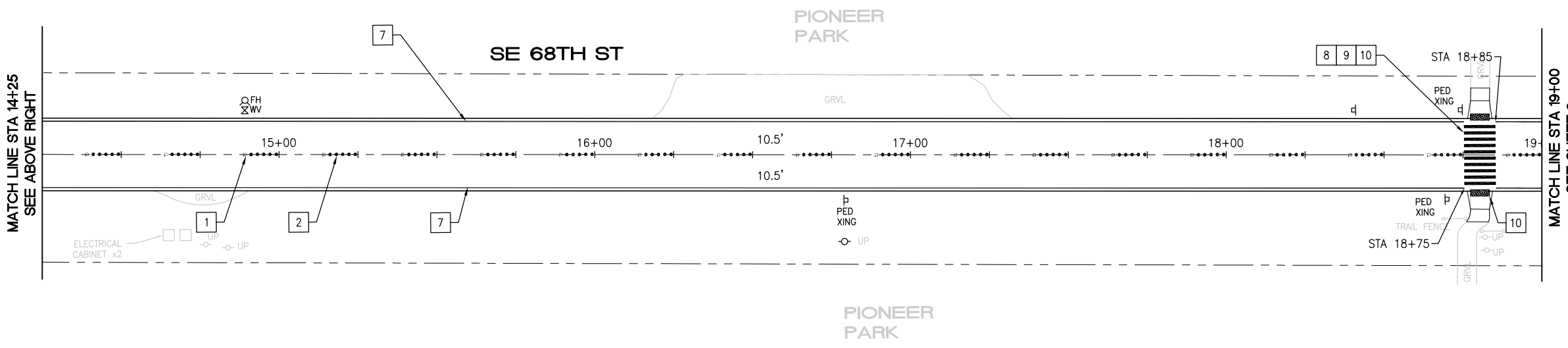


**CHANNELIZATION NOTES**

- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- 2 APPLY BROKEN CENTER LINE PER DTL 4/21
- 3 APPLY DOUBLE CENTER LINE PER DTL 4/21
- 4 APPLY WIDE LANE LINE PER DTL 4/21
- 5 APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/21
- 6 APPLY PLASTIC LEFT ARROW PER MI STD DTL TR-7D SHOWN IN DTL 1/22
- 7 APPLY EDGE LINE, 4" PAINT, TWO COATS
- 8 APPLY PLASTIC CROSSWALK, 12" WHITE, PER DTL 3/21
- 9 CENTER CROSSWALK ON EX TRAIL
- 10 INSTALL DETECTABLE WARNING SURFACES, 2'X6', PER SPECIFICATIONS

**SIGNING NOTES**

- S1 REMOVE EX SIGNS IN CURB ISLAND



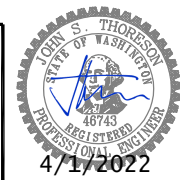
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**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

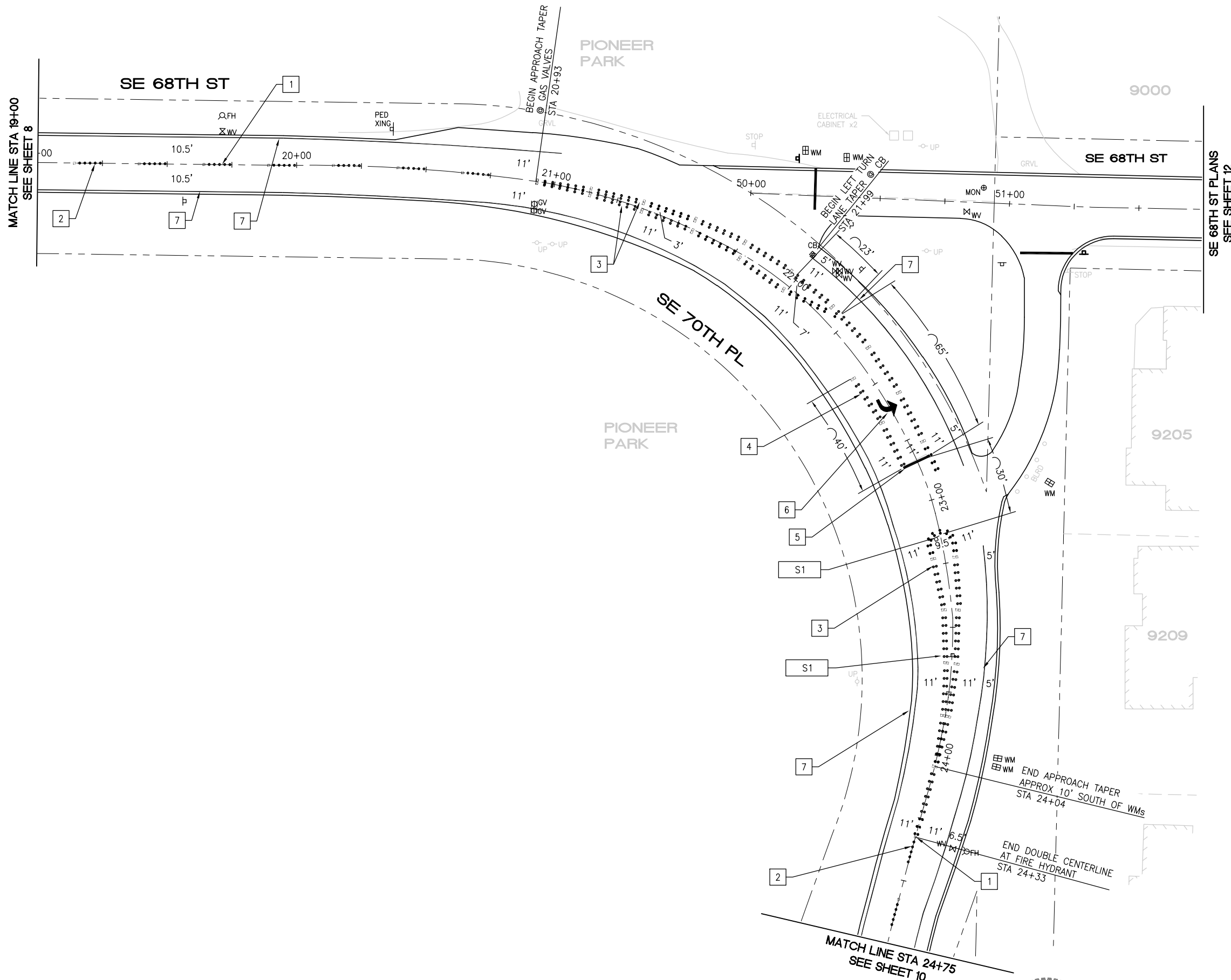


DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE A  
 ARTERIAL CHANNELIZATION  
 SE 68TH ST & SE 70TH PL

PROJECT	22-14
SCALE	1"=20'
SHEET	8 OF 22



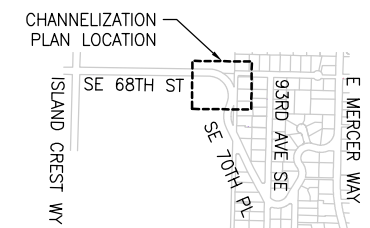


**CHANNELIZATION NOTES**

- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- 2 APPLY BROKEN CENTER LINE PER DTL 4/21
- 3 APPLY DOUBLE CENTER LINE PER DTL 4/21
- 4 APPLY WIDE LANE LINE PER DTL 4/21
- 5 APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/21
- 6 APPLY PLASTIC LEFT ARROW PER MI STD DTL TR-7D SHOWN IN DTL 1/22
- 7 APPLY EDGE LINE, 4" PAINT, TWO COATS
- 8 APPLY PLASTIC CROSSWALK, 12" WHITE, PER DTL 3/21
- 9 CENTER CROSSWALK ON EX TRAIL
- 10 INSTALL DETECTABLE WARNING SURFACES, 2'X6', PER SPECIFICATIONS

**SIGNING NOTES**

- S1 REMOVE EX SIGNS IN CURB ISLAND



**KEY MAP**  
SCALE: 1" = 800'

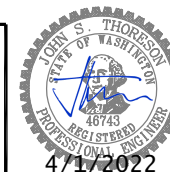


SCALE: 1" = 20'



REV. NO.	DATE	DESCRIPTION

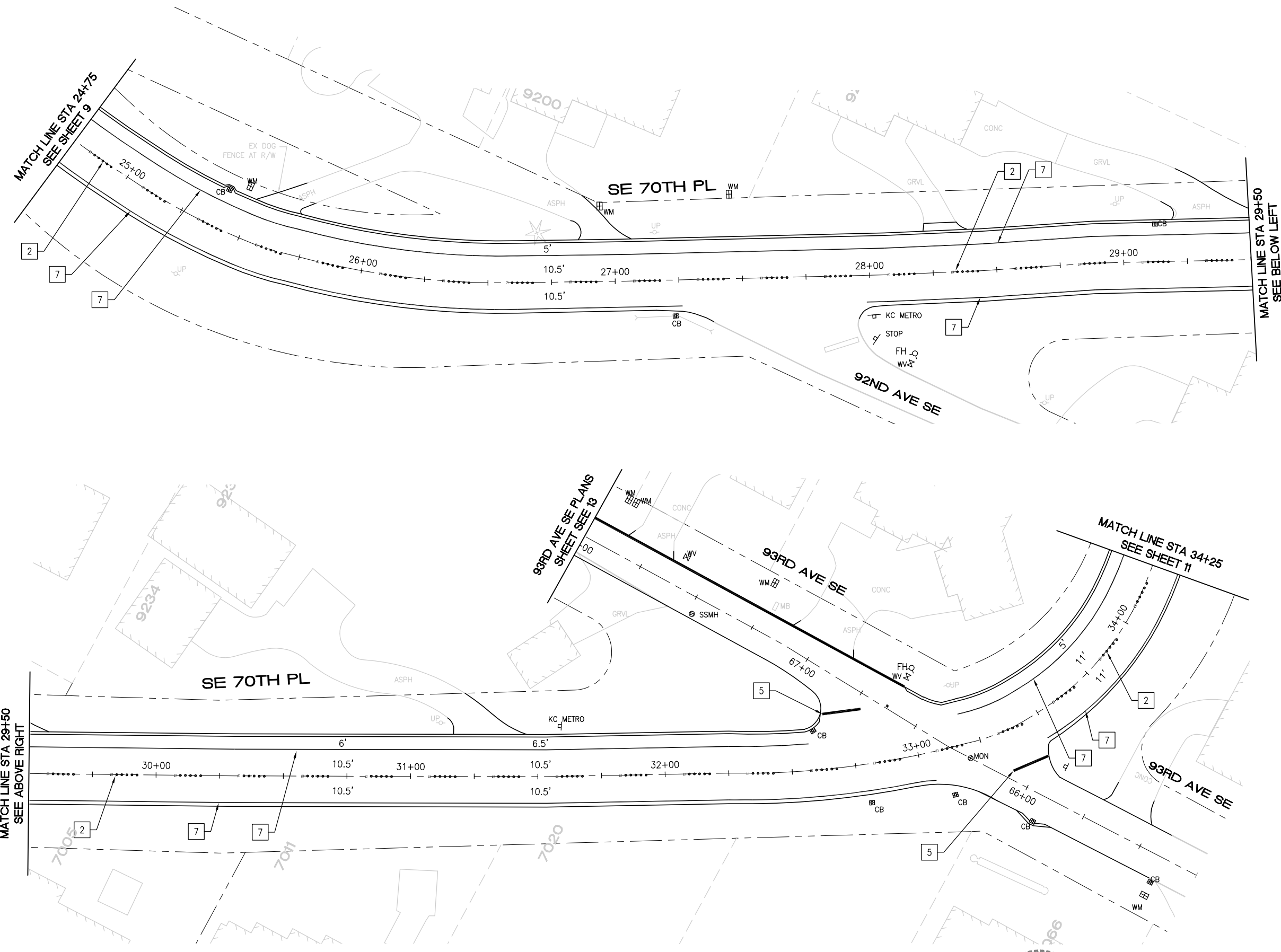
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DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE A  
 ARTERIAL CHANNELIZATION  
 SE 68TH ST & SE 70TH PL

PROJECT 22-14  
 SCALE 1"=20'  
 SHEET **9** OF **22**



**CHANNELIZATION NOTES**

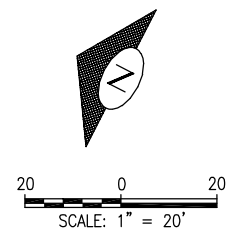
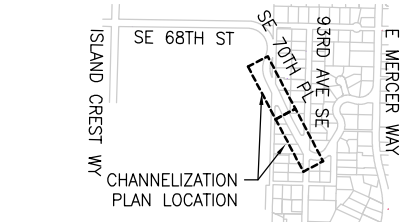
- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- 2 APPLY BROKEN CENTER LINE PER DTL 4/21
- 3 APPLY DOUBLE CENTER LINE PER DTL 4/21
- 4 APPLY WIDE LANE LINE PER DTL 4/21
- 5 APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/21
- 6 APPLY PLASTIC LEFT ARROW PER MI STD DTL TR-7D SHOWN IN DTL 1/22
- 7 APPLY EDGE LINE, 4" PAINT, TWO COATS
- 8 APPLY PLASTIC CROSSWALK, 12" WHITE, PER DTL 3/21
- 9 CENTER CROSSWALK ON EX TRAIL
- 10 INSTALL DETECTABLE WARNING SURFACES, 2'X6', PER SPECIFICATIONS

**SIGNING NOTES**

- S1 REMOVE EX SIGNS IN CURB ISLAND

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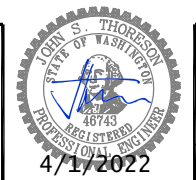
MATCH LINE STA 29+50  
SEE ABOVE RIGHT



**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



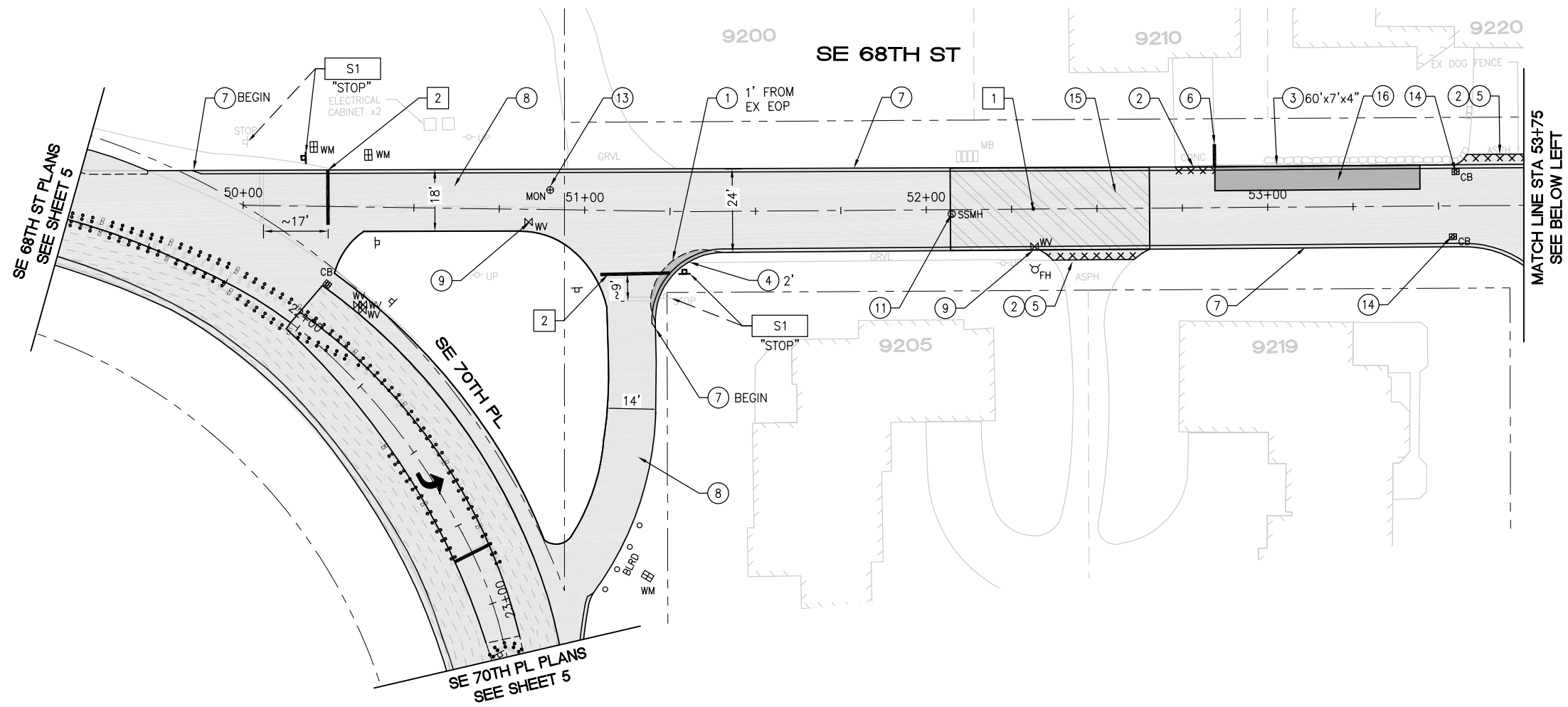
DATE	4/1/2022
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CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE A  
 ARTERIAL CHANNELIZATION  
 SE 68TH ST & SE 70TH PL

PROJECT	22-14
SCALE	1"=20'
SHEET	<b>10</b> OF <b>22</b>







**CONSTRUCTION NOTES**

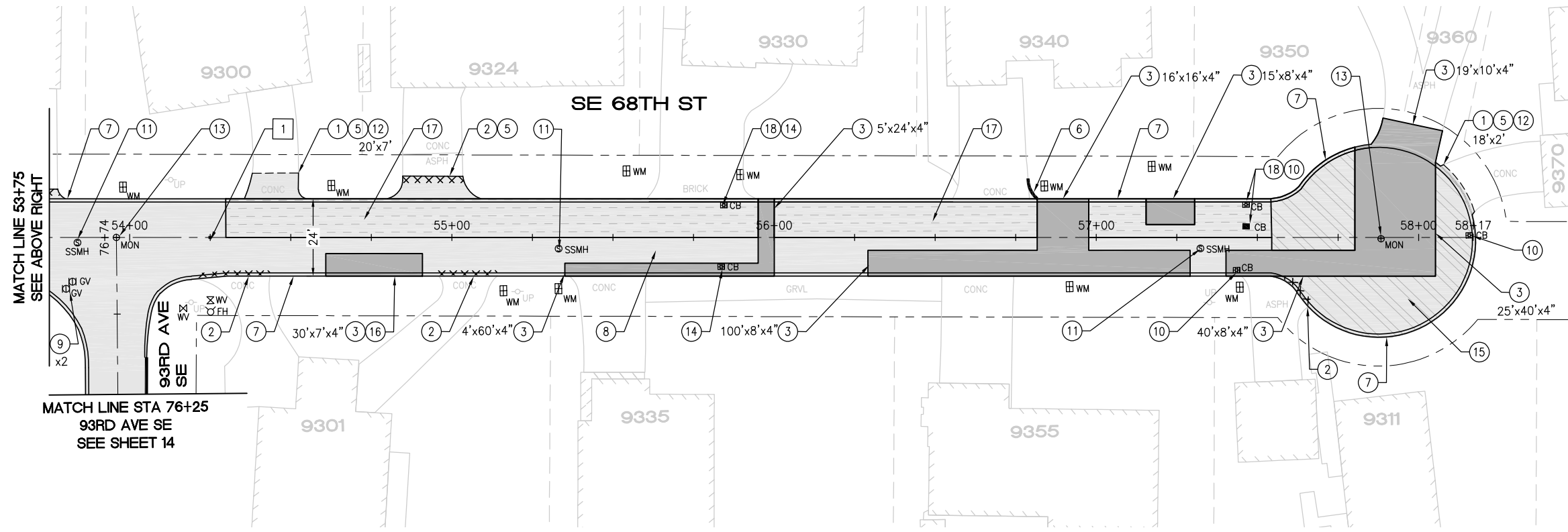
- 1 SAWCUT, FULL DEPTH
- 2 EDGE GRIND PAVEMENT PER DTL 3/20
- 3 REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL B
- 4 WIDEN ROADWAY AS FIELD MARKED PER PAVEMENT REPAIR DTL 7/20
- 5 PAVE DRIVEWAY W/ HMA FOR PAVING CL B PER DTL 4/20
- 6 PAVE HMA BERM W/ HMA FOR PAVING CL B PER DTL 8/20
- 7 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- 8 OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DETPH (TYP)
- 9 ADJUST VALVE BOX TO GRADE PER DTL 1/21
- 10 ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- 11 INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- 12 REMOVE CEM CONC PAVEMENT
- 13 ADJUST MONUMENT TO GRADE PER DTL 1/21
- 14 FURNISH AND INSTALL NEW 18"x24" FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- 15 PRELEVEL AS FIELD MARKED, W/ HMA FOR PAVING CL B
- 16 PRUNE ROOTS AS DIRECTED BY ENGINEER
- 17 PROFILE GRIND PAVEMENT, AS FIELD MARKED, 2" DEPTH AT FLOW LINE TAPERED TO 0" AT CENTER LINE
- 18 LOWER UTILITY FOR PROFILE GRINDING

**CHANNELIZATION NOTES**

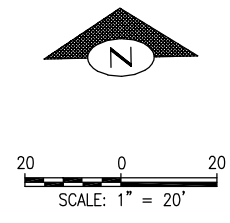
- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)
- 2 APPLY PLASTIC STOP BAR, 12" WHITE, PER DTL 3/21

**SIGNING NOTES**

- S1 RELOCATE EX SIGN ON NEW POST PER DTL 5/21



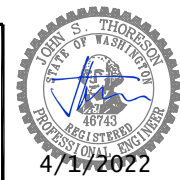
**KEY MAP**



**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
 2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS  
 SCHEDULE B  
 RESIDENTIAL OVERLAY  
 SE 68TH ST

PROJECT	22-14
SCALE	1"=20'
SHEET	12 OF 22

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**GENERAL NOTES**

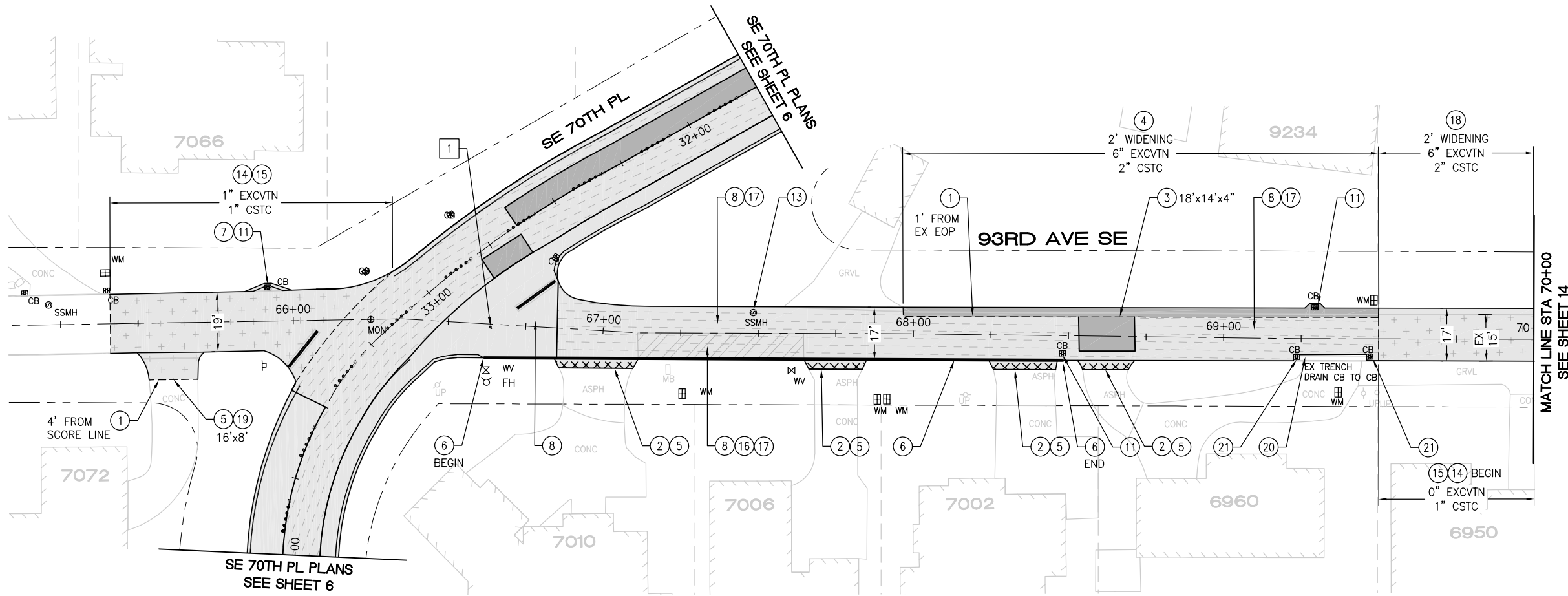
1. OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
2. WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR ROAD BED.

**CONSTRUCTION NOTES**

- ① SAWCUT, FULL DEPTH
- ② EDGE GRIND PAVEMENT PER DTL 3/20
- ③ REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL B
- ④ WIDEN ROADWAY AS FIELD MARKED PER PAVEMENT REPAIR DTL 7/20
- ⑤ PAVE DRIVEWAY W/ HMA FOR PAVING CL B PER DTL 4/20
- ⑥ PAVE HMA BERM W/ HMA FOR PAVING CL B PER DTL 8/20
- ⑦ PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- ⑧ OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DEPTH (TYP)
- ⑪ ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- ⑫ ADJUST VALVE BOX TO GRADE PER DTL 1/21
- ⑬ INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- ⑭ PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- ⑮ REMOVE ASPH CONC PAVEMENT AS FIELD MARKED
- ⑯ PRELEVEL AS FIELD MARKED, W/ HMA FOR PAVING CL B
- ⑰ PLANE BITUMINOUS PAVEMENT, AS FIELD MARKED, 2" DEPTH (TYP)
- ⑱ WIDEN ROADWAY AS FIELD MARKED PER RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- ⑲ REMOVE CEM CONC PAVEMENT
- ⑳ PROTECT EX TRENCH DRAIN
- ㉑ MAINTAIN EXISTING ELEVATION ON CATCH BASIN

**CHANNELIZATION NOTES**

- ① PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



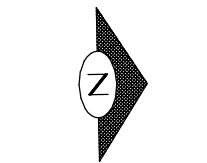
MATCH LINE STA 70+00  
SEE SHEET 14



OVERLAY PLAN LOCATION

**KEY MAP**

1" = 800'



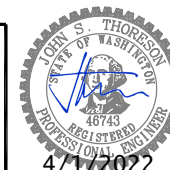
SCALE: 1" = 20'



**CM DESIGN GROUP**  
1318 EAST PIKE ST  
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(206) 659-0612

REV. NO.	DATE	DESCRIPTION

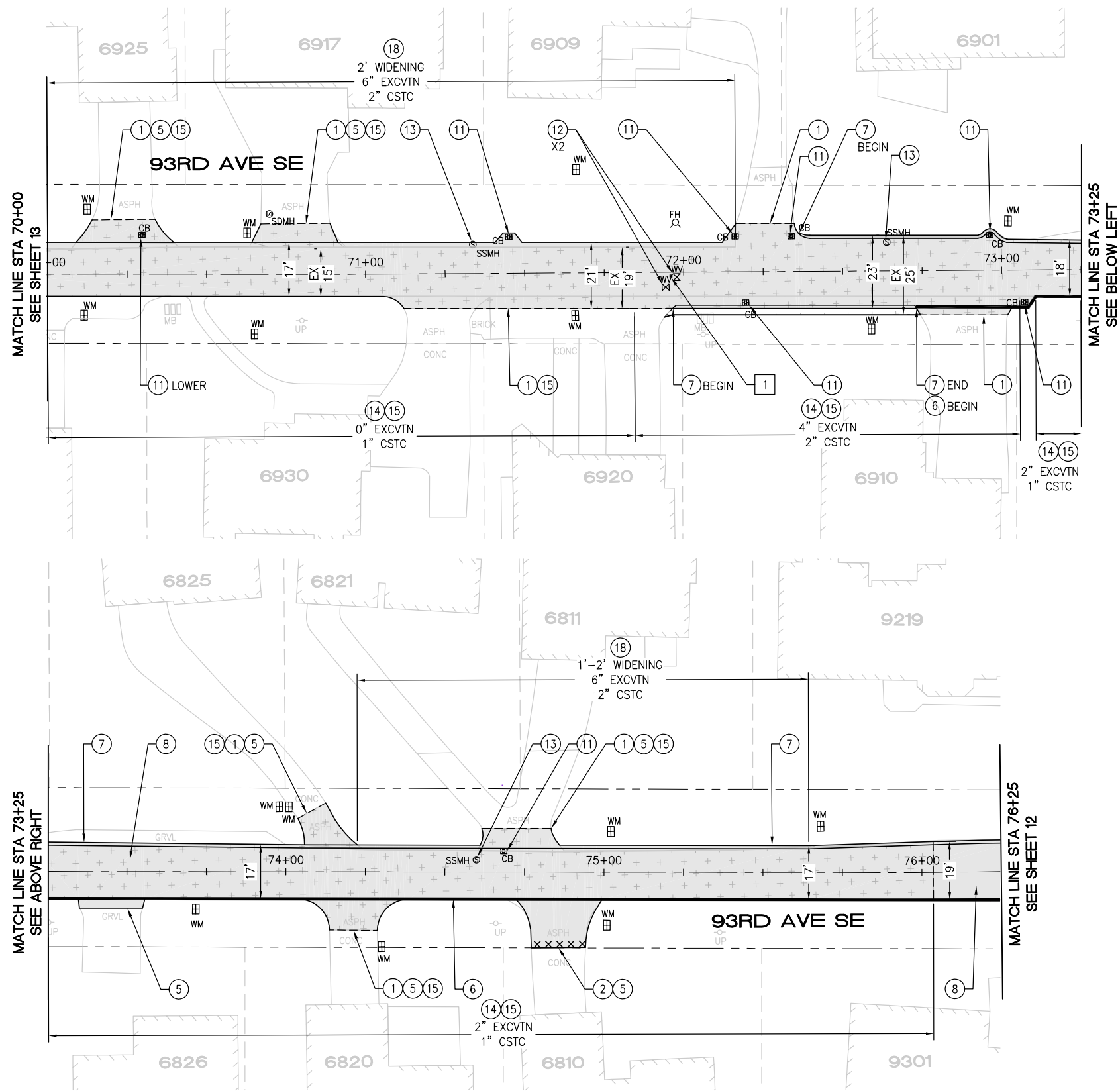
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DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
SCHEDULE B  
RESIDENTIAL OVERLAY  
93RD AVE SE

PROJECT	22-14
SCALE	1" = 20'
SHEET	<b>13</b> OF <b>22</b>



**GENERAL NOTES**

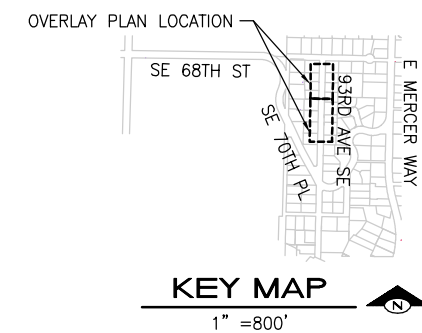
1. OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
2. WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR ROAD BED.

**CONSTRUCTION NOTES**

- 1 SAWCUT, FULL DEPTH
- 2 EDGE GRIND PAVEMENT PER DTL 3/20
- 3 REPAIR PAVEMENT PER DTL 7/20, AS FIELD MARKED, W/ HMA FOR PAVEMENT REPAIR CL B
- 4 WIDEN ROADWAY AS FIELD MARKED PER PAVEMENT REPAIR DTL 7/20
- 5 PAVE DRIVEWAY W/ HMA FOR PAVING CL B PER DTL 4/20
- 6 PAVE HMA BERM W/ HMA FOR PAVING CL B PER DTL 8/20
- 7 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- 8 OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DEPTH (TYP)
- 11 ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- 12 ADJUST VALVE BOX TO GRADE PER DTL 1/21
- 13 INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- 14 PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- 15 REMOVE ASPH CONC PAVEMENT AS FIELD MARKED
- 16 PRELEVEL AS FIELD MARKED, W/ HMA FOR PAVING CL B
- 17 PLANE BITUMINOUS PAVEMENT, AS FIELD MARKED, 2" DEPTH (TYP)
- 18 WIDEN ROADWAY AS FIELD MARKED PER RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- 19 REMOVE CEM CONC PAVEMENT
- 20 PROTECT EX TRENCH DRAIN
- 21 MAINTAIN EXISTING ELEVATION ON CATCH BASIN

**CHANNELIZATION NOTES**

- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
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REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



DATE	4/1/2022
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DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE B  
 RESIDENTIAL OVERLAY  
 93RD AVE SE

PROJECT	22-14
SCALE	1" = 20'
SHEET	14 OF 22

**GENERAL NOTES**

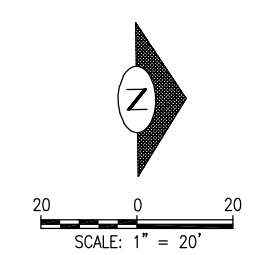
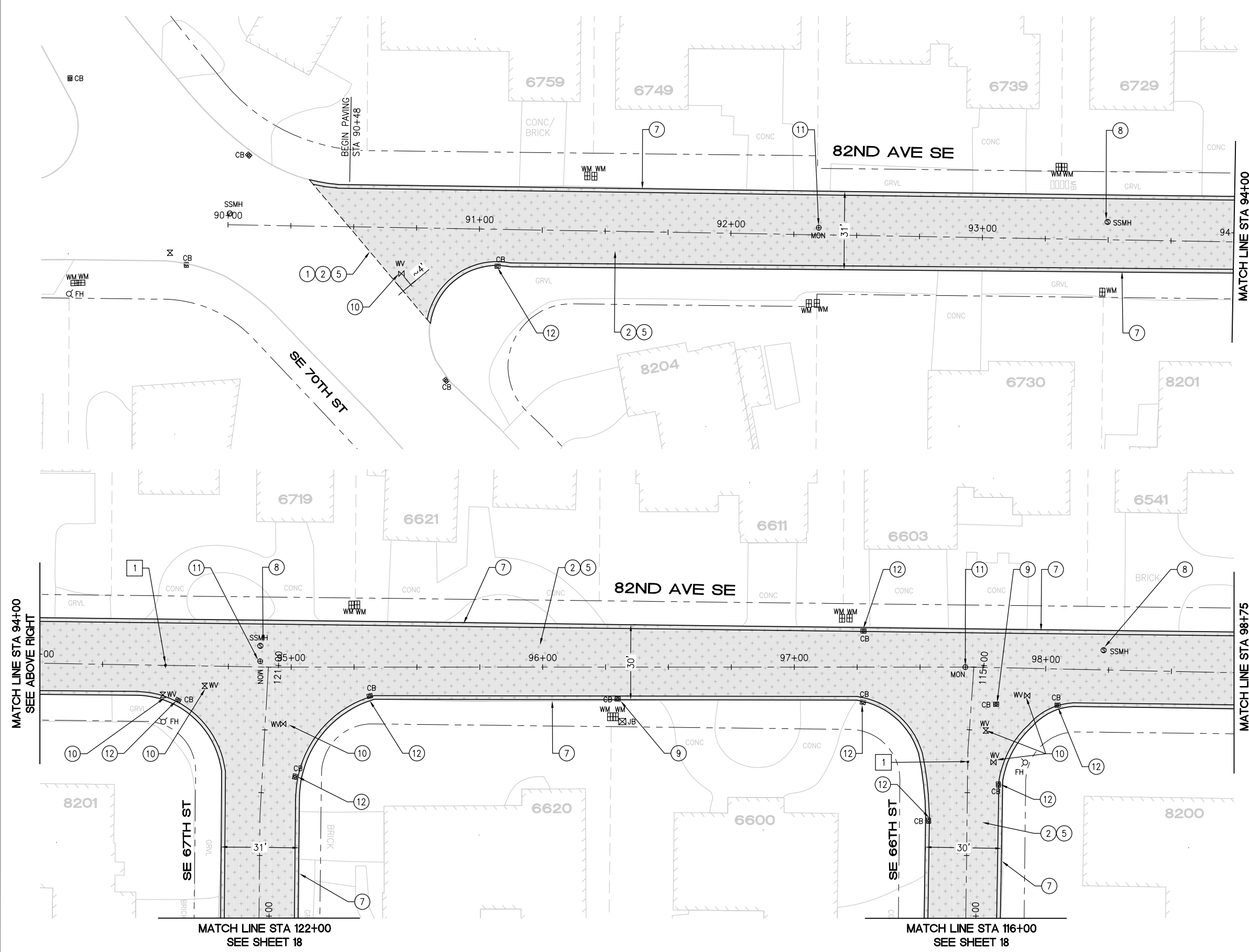
- OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
- WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR AND CROWNED ROAD BED.

**CONSTRUCTION NOTES**

- SAWCUT, FULL DEPTH
- REMOVE ASPH CONC PAVEMENT, FULL DEPTH, AS FIELD MARKED
- REPAIR PAVEMENT AS FIELD MARKED W/ HMA FOR PAVEMENT REPAIR CL B PER DTL 7/20
- EDGE GRIND PAVEMENT PER DTL 3/20
- PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DEPTH (TYP)
- PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- ADJUST VALVE BOX TO GRADE PER DTL 1/21
- ADJUST MONUMENT TO GRADE PER DTL 1/21
- FURNISH AND INSTALL NEW 18"x24" FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- FURNISH AND INSTALL NEW 18"x24" FRAME AND HERRINGBONE GRATE AND ADJUST TO GRADE PER DTL 1/21

**CHANNELIZATION NOTES**

- PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



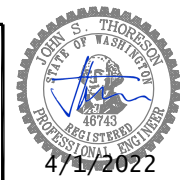
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**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
 (206) 659-0612

REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**

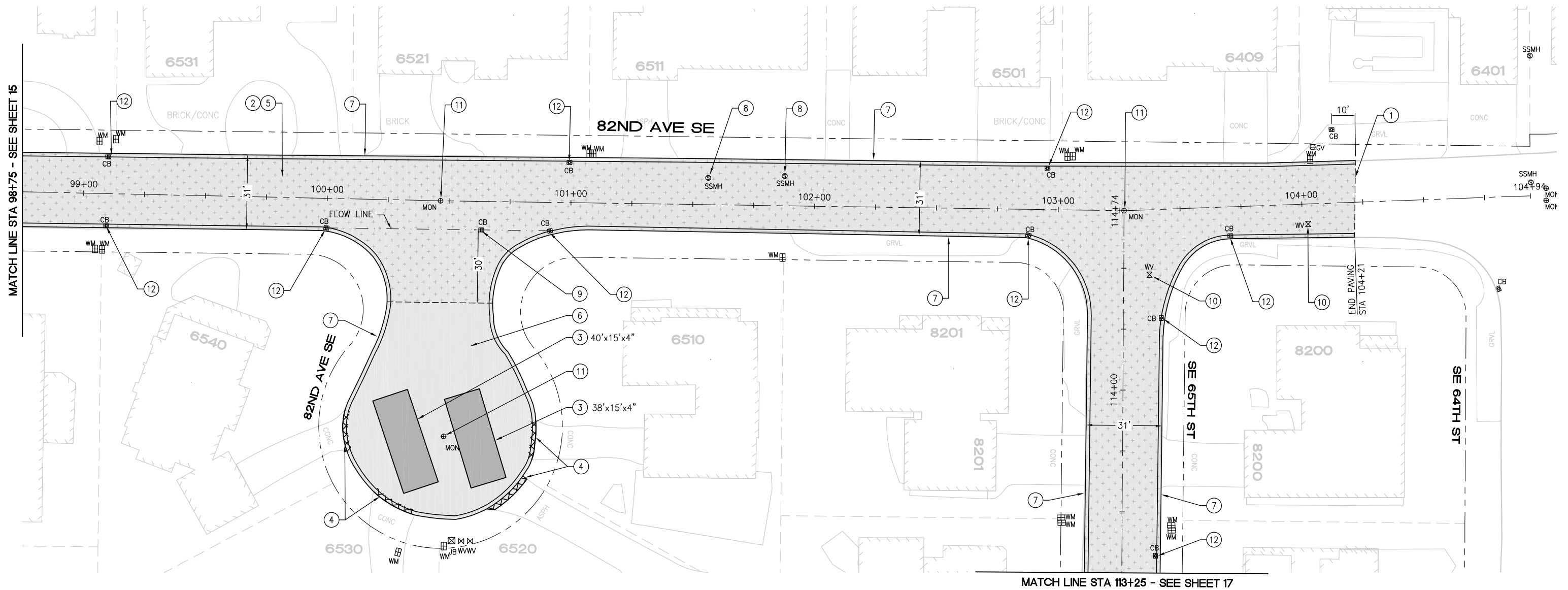


DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE C  
 RESIDENTIAL OVERLAY  
 82ND AVE SE

PROJECT	22-14
SCALE	1" = 20'
SHEET	15 OF 22





**GENERAL NOTES**

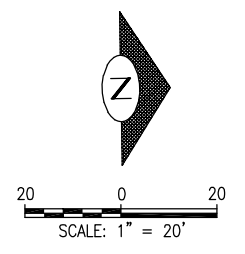
- OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
- WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR AND CROWNED ROAD BED.

**CONSTRUCTION NOTES**

- SAWCUT, FULL DEPTH
- REMOVE ASPH CONC PAVEMENT, FULL DEPTH, AS FIELD MARKED
- REPAIR PAVEMENT AS FIELD MARKED W/ HMA FOR PAVEMENT REPAIR CL B PER DTL 7/20
- EDGE GRIND PAVEMENT PER DTL 3/20
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- OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DEPTH (TYP)
- PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- ADJUST VALVE BOX TO GRADE PER DTL 1/21

**CHANNELIZATION NOTES**

- PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



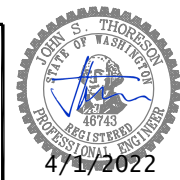
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**CM DESIGN GROUP**  
 1318 EAST PIKE ST  
 SEATTLE, WA 98122  
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REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE C  
 RESIDENTIAL OVERLAY  
 82ND AVE SE

PROJECT	22-14
SCALE	1"=20'
SHEET	<b>16</b> OF <b>22</b>



**GENERAL NOTES**

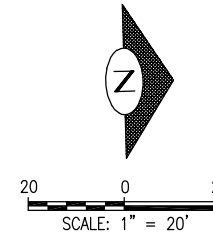
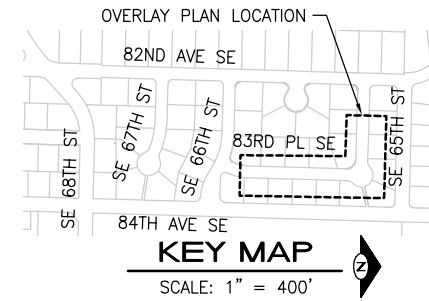
1. OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
2. WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR AND CROWNED ROAD BED.

**CONSTRUCTION NOTES**

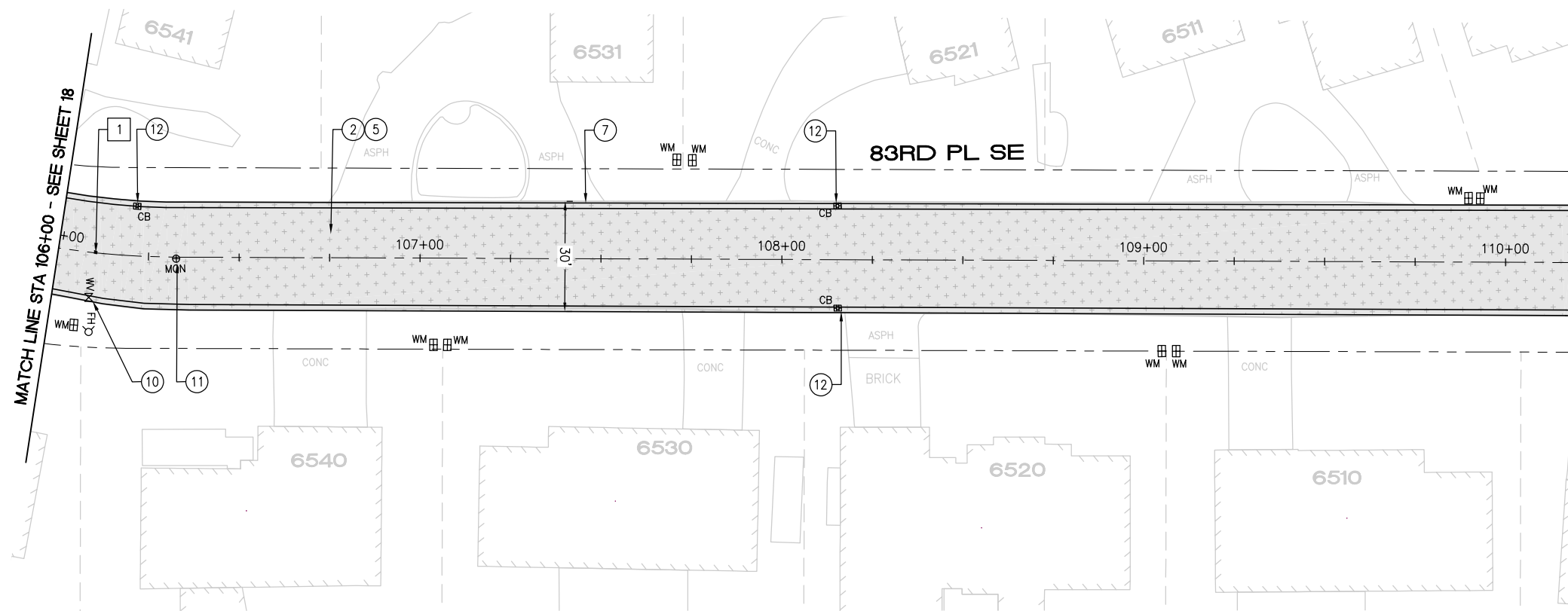
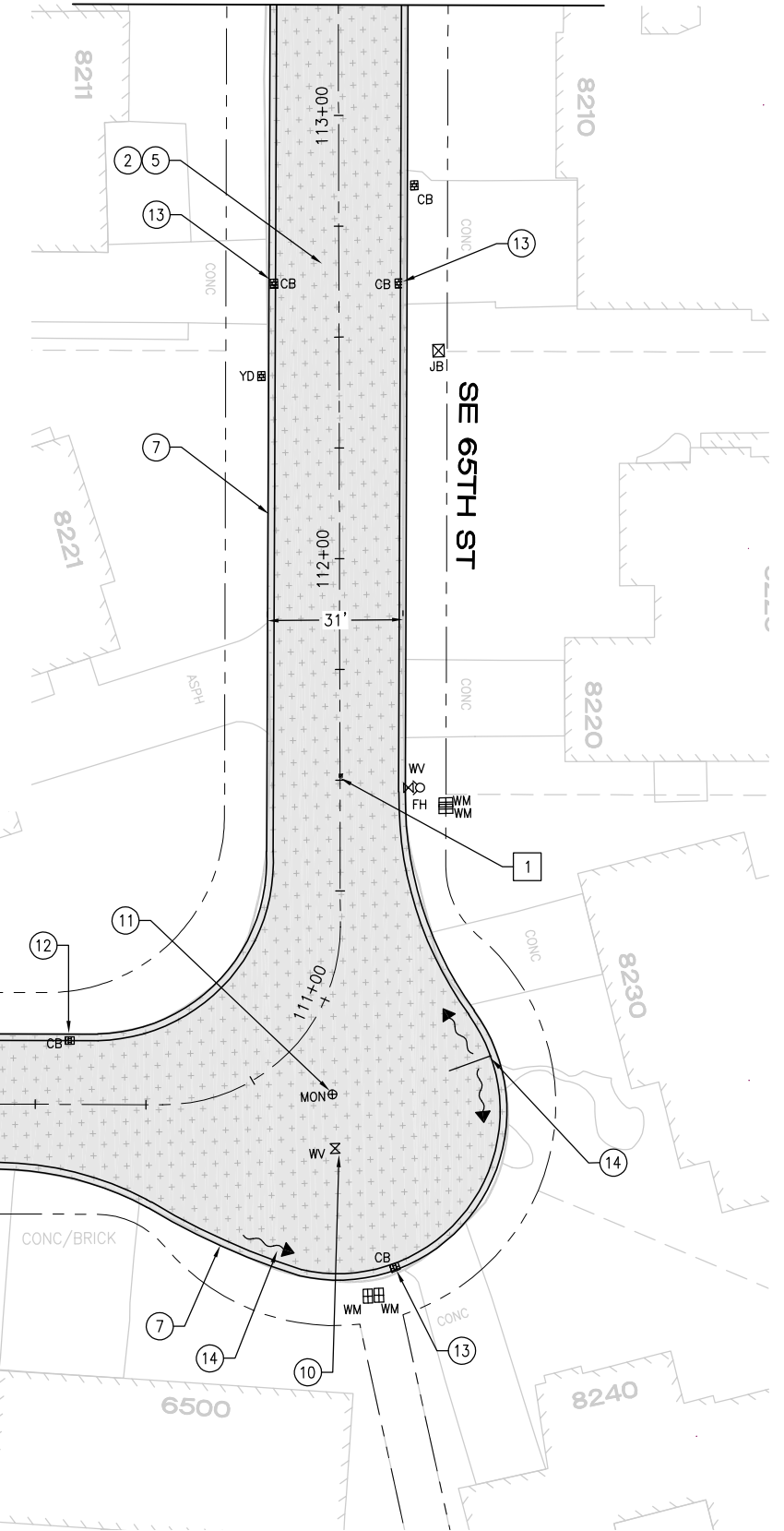
- ② REMOVE ASPH CONC PAVEMENT, FULL DEPTH, AS FIELD MARKED
- ⑤ PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- ⑦ PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- ⑨ ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- ⑩ ADJUST VALVE BOX TO GRADE PER DTL 1/21
- ⑪ ADJUST MONUMENT TO GRADE PER DTL 1/21
- ⑫ FURNISH AND INSTALL NEW 18"X24" FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- ⑬ FURNISH AND INSTALL NEW 18"X24" FRAME AND HERRINGBONE GRATE AND ADJUST TO GRADE PER DTL 1/21
- ⑭ SHAPE FLAT AREA TO DRAIN

**CHANNELIZATION NOTES**

- ① PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



MATCH LINE STA 113+25 - SEE SHEET 16

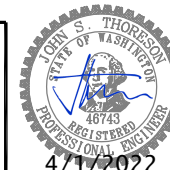


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REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE C  
 RESIDENTIAL OVERLAY  
 83RD AVE SE & SE 65TH ST

PROJECT	22-14
SCALE	1"=20'
SHEET	17 OF 22



**GENERAL NOTES**

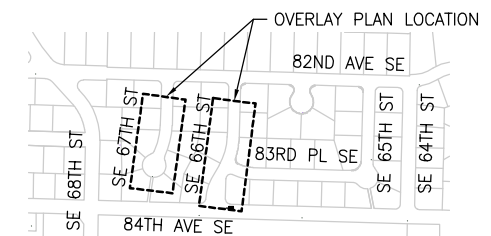
1. OVER EXCAVATE SOFT AREAS DISCOVERED DURING PAVEMENT REMOVAL AND BACK FILL WITH CSTC (OR CSBC) AS DIRECTED BY ENGINEER.
2. WITHIN LARGE REMOVAL AREAS: SHAPE AND COMPACT EX SUBGRADE AND ADD CSTC (OR CSBC) AS NECESSARY TO REESTABLISH A PLANAR AND CROWNED ROAD BED.

**CONSTRUCTION NOTES**

- 1 SAWCUT, FULL DEPTH
- 2 REMOVE ASPH CONC PAVEMENT, FULL DEPTH, AS FIELD MARKED
- 3 REPAIR PAVEMENT AS FIELD MARKED WITH HMA FOR PAVEMENT REPAIR CL B PER DTL 7/20
- 4 EDGE GRIND PAVEMENT PER DTL 3/20
- 5 PAVE RESIDENTIAL ROAD W/ HMA FOR PAVING CL B PER DTL 6/20
- 6 OVERLAY ROAD W/ HMA FOR PAVING CL B, 2" DEPTH (TYP)
- 7 PAVE HMA THICKENED EDGE W/ HMA FOR PAVING CL B PER DTL 9/20
- 8 INSTALL NEW SEWER MANHOLE RING AND COVER (CITY SUPPLIED) AND ADJUST TO GRADE PER DTL 1/21
- 9 ADJUST CATCH BASIN TO GRADE PER DTL 1/21
- 10 ADJUST VALVE BOX TO GRADE PER DTL 1/21
- 11 ADJUST MONUMENT TO GRADE PER DTL 1/21
- 12 FURNISH AND INSTALL NEW 18"x24" FRAME AND VANED GRATE AND ADJUST TO GRADE PER DTL 1/21
- 13 FURNISH AND INSTALL NEW 18"x24" FRAME AND HERRINGBONE GRATE AND ADJUST TO GRADE PER DTL 1/21
- 15 REMOVE AND REPLACE CURB WITH TYPE 6 EXTRUDED CURB PER WSDOT STD PLAN F-10.42-00 SHOWN IN DTL 2/22
- 16 REMOVE ROOTS
- 17 PAVE DRIVEWAY W/ HMA FOR PAVING CL B PER DTL 4/21
- 18 REMOVE CEM CONC PAVEMENT

**CHANNELIZATION NOTES**

- 1 PLACE ONE BLUE TYPE 2 RPM AT FIRE HYDRANT (TYP)



**KEY MAP**  
SCALE: 1" = 400'



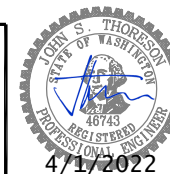
SCALE: 1" = 20'



**CM DESIGN GROUP**  
1318 EAST PIKE ST  
SEATTLE, WA 98122  
(206) 659-0612

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**BID DOCUMENT**



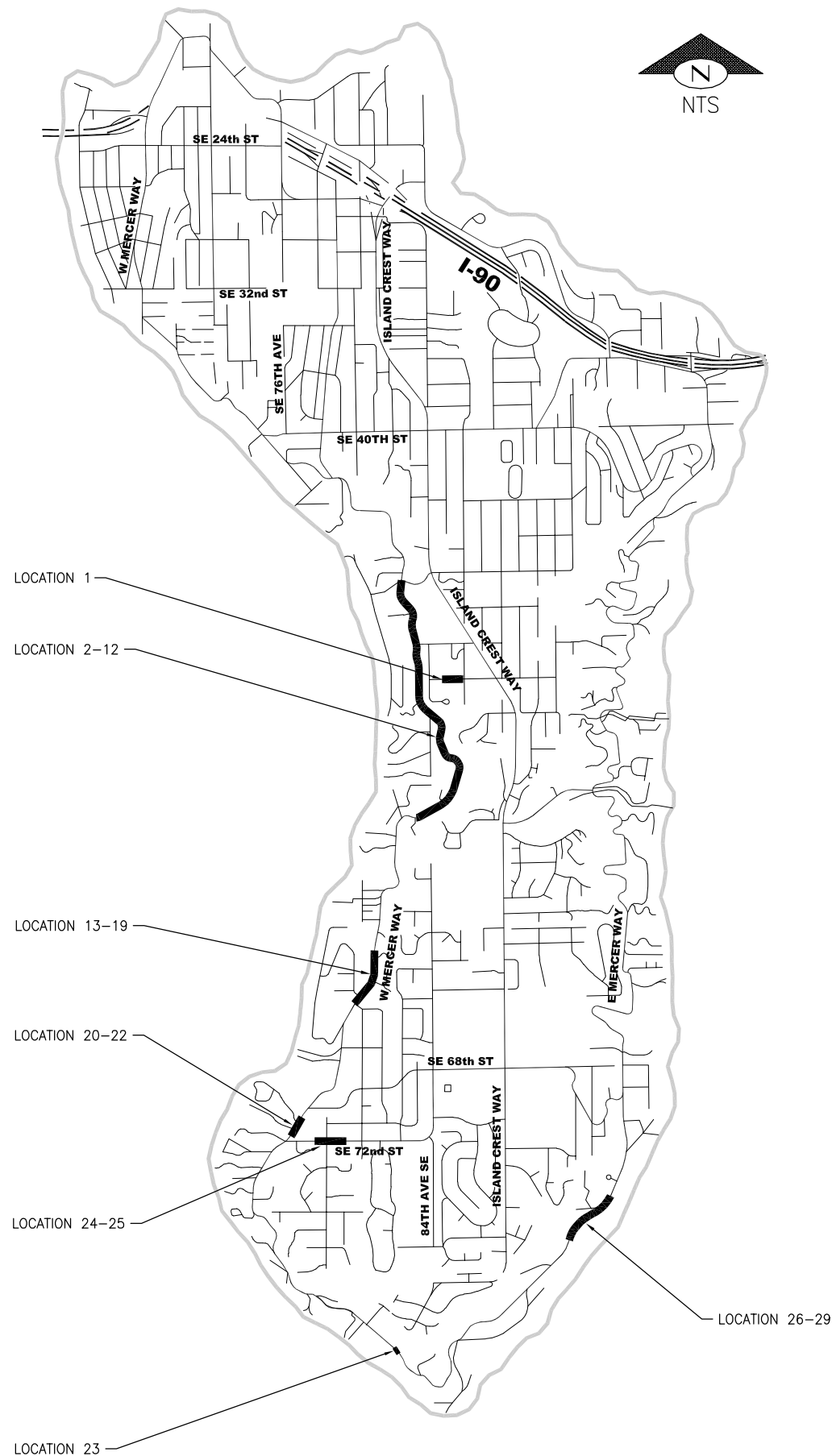
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**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
  
SCHEDULE C  
RESIDENTIAL OVERLAY  
SE 66TH ST & SE 67TH ST

PROJECT 22-14  
SCALE 1"=20'  
SHEET **18** OF **22**

**SCHEDULE D - PAVEMENT REPAIRS - VARIOUS LOCATIONS**

LOCATION	ADDRESS	LANE	DESCRIPTION	LENGTH (LF)	WIDTH (FT)	DEPTH (IN)	PAVEMENT REPAIR (SY)	HMA FOR PAVEMENT REPAIR CL 1/2" (TON)	UTILITY QTY (EA)	NOTES
1	SE 47TH ST, 8500 BLOCK	BOTH	PAVEMENT REPAIR, INSTALL NEW MH RING AND COVER, ADJUST CB	350	18	3	700	138	2 SSMH, 2 CB	
2	MERRIMOUNT DR AT W MERCER WAY	EB/WB	PAVEMENT REPAIR	60	17	2	114	13		EAST SIDE OF INTERSECTION
3	MERRIMOUNT DR AT W MERCER WAY	EB/WB	PAVEMENT REPAIR	20	13	6	29	10		DEEPER REPAIR WITHIN SAME PATCH
	MERRIMOUNT DR AT W MERCER WAY		PLASTIC LINE, 12 IN. WHITE	220						REPLACE CROSSWALK BARS, 22 @10'
4	4515 W MERCER WAY	SB	INSTALL NEW MH RING AND COVER						1 SSMH	
5	4647 W MERCER WAY	CENTER	ADJUST MANHOLE							
6	4828 W MERCER WAY	NB	INSTALL NEW MH RING AND COVER						1 SSMH	
7	4828 W MERCER WAY	NB	ADJUST VALVE BOX						1 WV	WATER VALVE
8	4841 W MERCER WAY	SB	INSTALL NEW MH RING AND COVER						1 SSMH	
9	5050 W MERCER WAY	NB	INSTALL NEW MH RING AND COVER						1 SSMH	
10	5200 W MERCER PLACE	NB	ADJUST MANHOLE							
11	5204 W MERCER WAY	NB	FURNISH AND INSTALL MONUMENT CASE AND COVER						1 MON	
12	5227 W MERCER WAY	SB	INSTALL NEW MH RING AND COVER						1 SSMH	
13	6112 W MERCER WAY	NB	ADJUST MANHOLE							REPATCH AROUND EX SSMH, MAINTAIN EX RIM ELEV
14	6185 W MERCER WAY	NB	ADJUST MANHOLE							REPATCH AROUND EX SSMH, MAINTAIN EX RIM ELEV
15	6205 W MERCER WAY	SB	PAVEMENT REPAIR	80	11	2	98	12		
16	6260 W MERCER WAY	SB	ADJUST MONUMENT						1 MON	REPATCH AROUND MONUMENT, MAINTAIN EX ELEV
17	6260 W MERCER WAY	NB	INSTALL NEW MH RING AND COVER						1 SSMH	
18	6260 W MERCER WAY AT 79TH AVE SE	NB	ADJUST VALVE BOX						1 WV	
19	6260 W MERCER WAY AT 79TH AVE SE	SB	ADJUST MONUMENT						1 MON	REPATCH AROUND MONUMENT, MAINTAIN EX ELEV
20	7008 W MERCER WAY	NB	PAVEMENT REPAIR, ADJUST MONUMENT	150	7	2	117	14	1 MON	IN SHOULDER
21	7040 W MERCER WAY	NB	PAVEMENT REPAIR, ADJUST VALVE BOX	45	11	2	55	7	1 WV	WATER VALVE
22	7040 W MERCER WAY	NB	PAVEMENT REPAIR	30	7	2	24	3		DEEPER REPAIR WITHIN SAME PATCH
23	8275 W MERCER WAY	NB	PAVEMENT REPAIR	10	7	8	8	4		
24	7636 SE 72ND ST	EB	INSTALL NEW MH RING AND COVER						1 SSMH	
25	7820 SE 72ND ST	EB	INSTALL NEW MH RING AND COVER						1 SSMH	
26	7626 E MERCER WAY	SB SHOULDER	PAVEMENT REPAIR	6	4	4	3	1		REPAIR AROUND CB, MAINTAIN EX RIM ELEV
27	7650 E MERCER WAY	SB SHOULDER	PAVEMENT REPAIR	7	4	4	4	1		REPAIR AROUND CB, MAINTAIN EX RIM ELEV
28	7700 E MERCER WAY	SB SHOULDER	PAVEMENT REPAIR	14	5	4	8	2		REPAIR AROUND CB, MAINTAIN EX RIM ELEV
29	7700 E MERCER WAY	SB SHOULDER	PAVEMENT REPAIR	6	4	4	3	1		REPAIR AROUND CB, MAINTAIN EX RIM ELEV

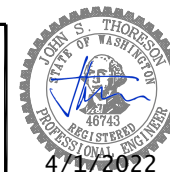


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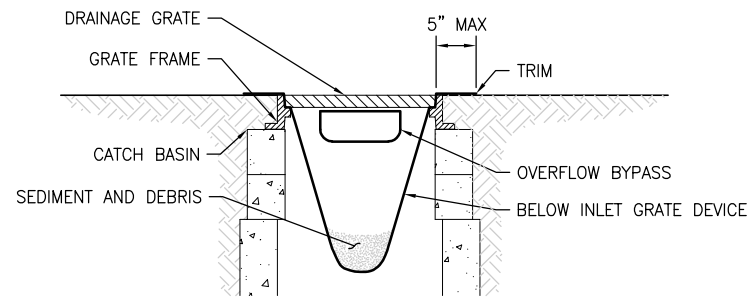


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DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
 SCHEDULE D  
 PAVEMENT REPAIRS - VARIOUS LOCATIONS

PROJECT	22-14
SCALE	NONE
SHEET	19 OF 22

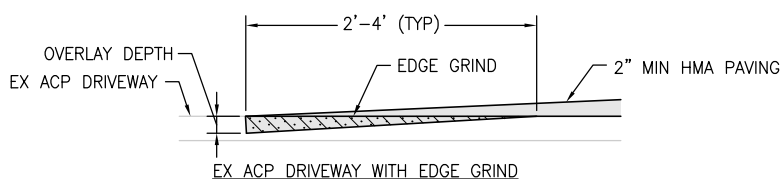
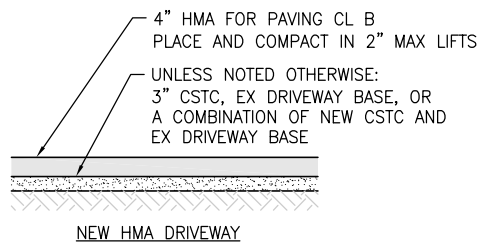




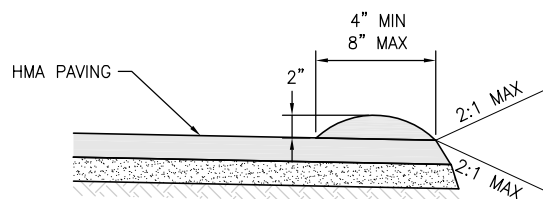
NOTES:

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.

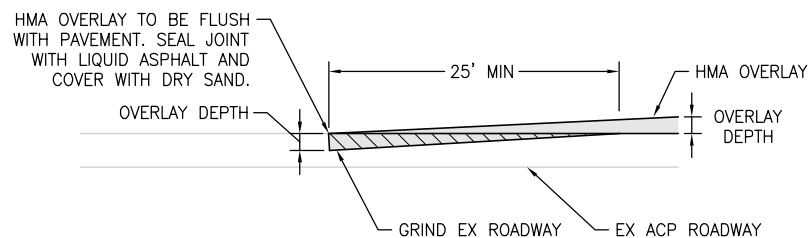
**1 INLET PROTECTION**  
NTS



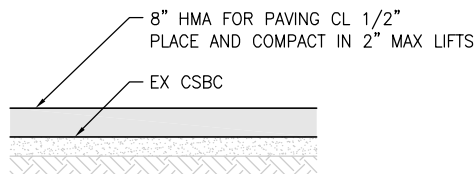
**4 HMA DRIVEWAY**  
NTS



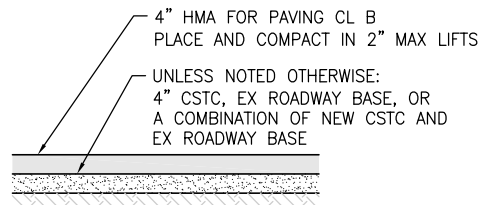
**8 HMA BERM**  
NTS



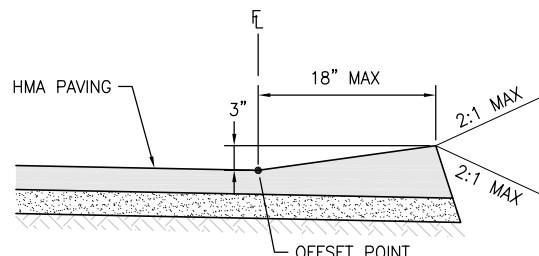
**2 BUTT JOINT PLANING**  
NTS



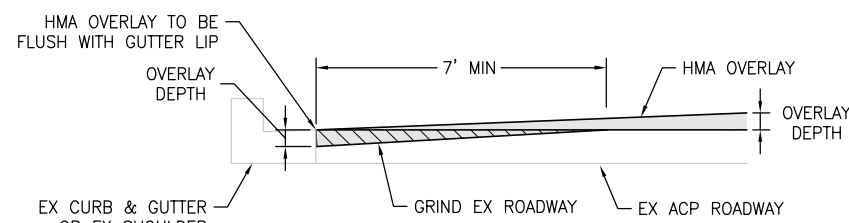
**5 HMA ARTERIAL ROAD**  
NTS



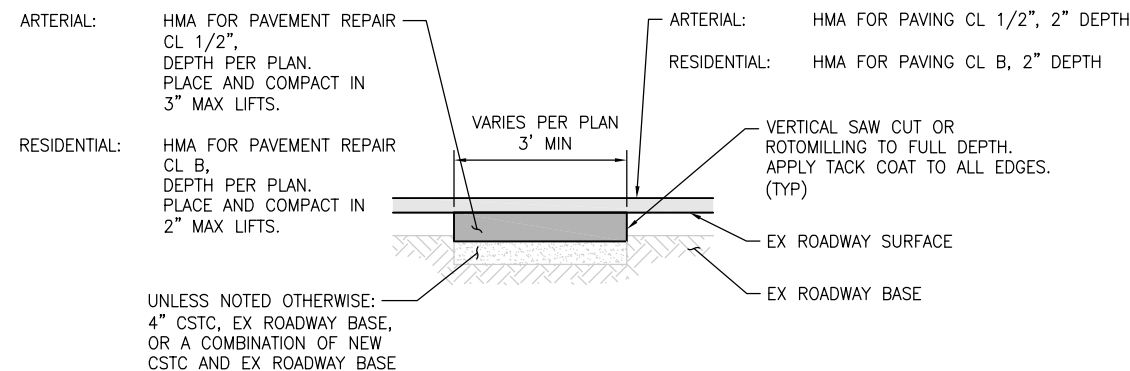
**6 HMA RESIDENTIAL ROAD**  
NTS



**9 HMA THICKENED EDGE**  
NTS



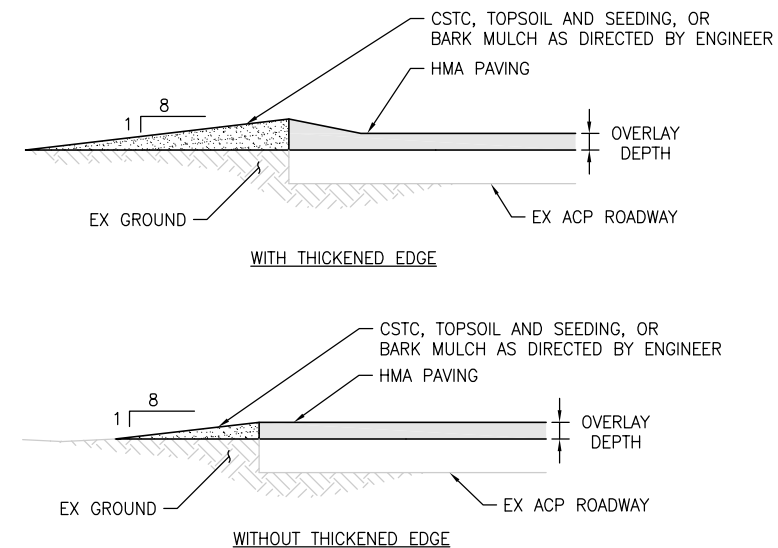
**3 EDGE GRIND**  
NTS



NOTES:

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

**7 TYPICAL HMA PAVEMENT REPAIR AND PAVING**  
NTS



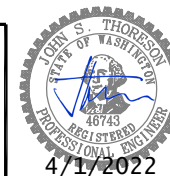
**10 EDGE RESTORATION**  
NTS

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REV. NO.	DATE	DESCRIPTION

BID DOCUMENT

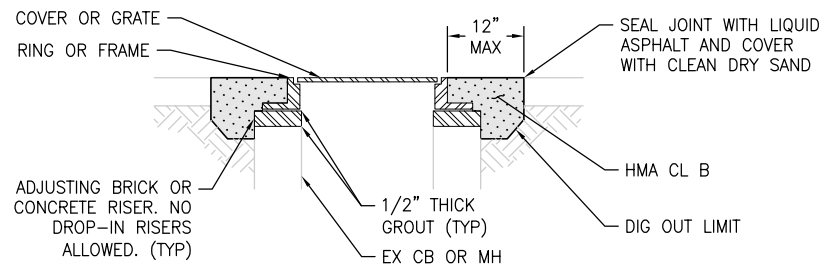
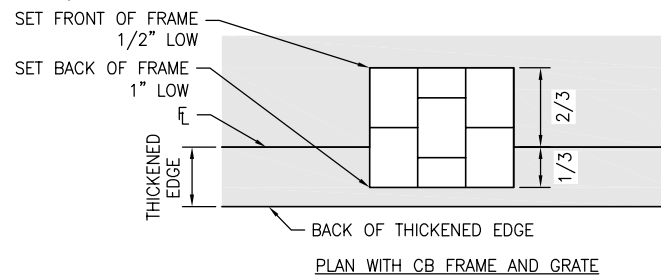


DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND**  
**2022 ARTERIAL AND RESIDENTIAL STREET OVERLAYS**  
DETAILS

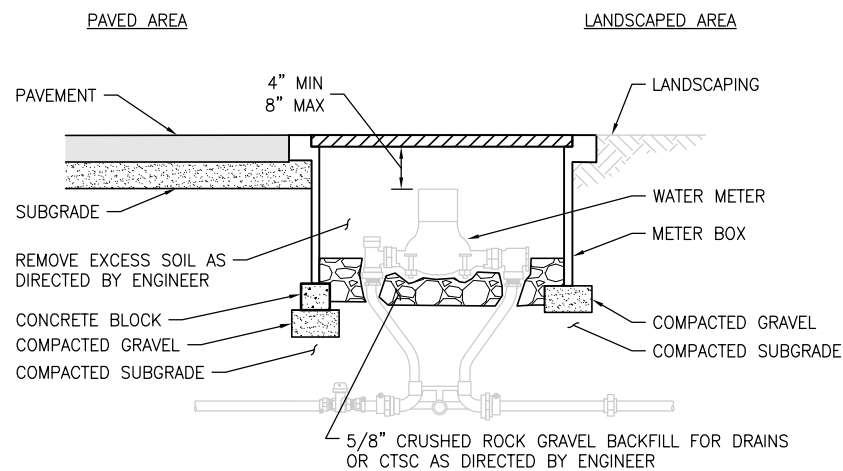
PROJECT	22-14
SCALE	NONE
SHEET	20 OF 22





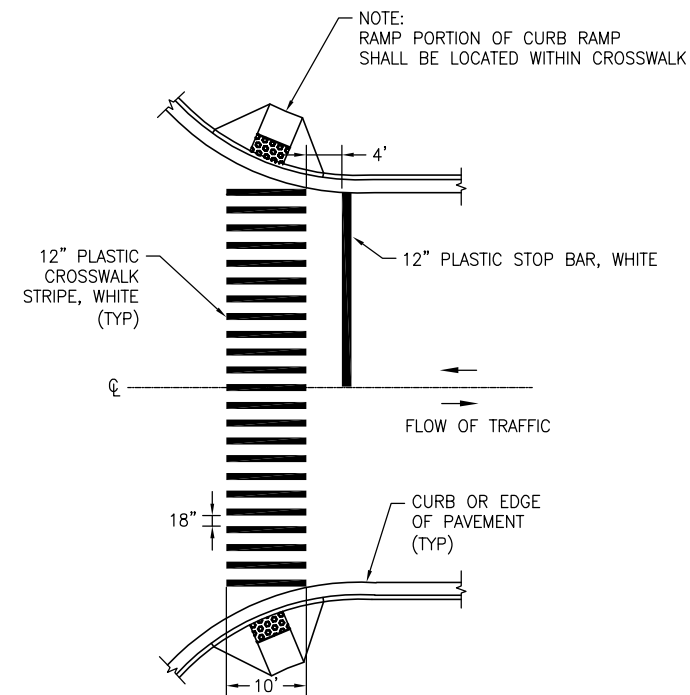
- NOTES:
1. ASPHALT PERIMETER SHALL EXTEND 2" BELOW ADJUSTMENT RINGS.
  2. UTILITIES WITH CONCRETE RINGS AROUND STRUCTURE SHALL HAVE CONCRETE REMOVED AND REPLACED WITH ACP PER THIS DETAIL.
  3. ADD OR REMOVE BRICK AND/OR RISERS TO ACHIEVE REQUIRED FINISHED RIM ELEVATION.
  4. CATCH BASINS IN THE FLOWLINE 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

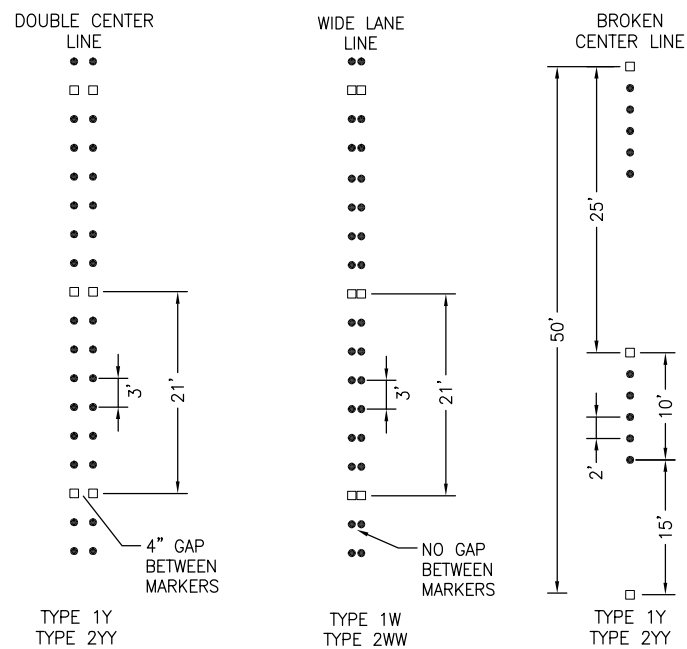


- NOTES:
1. PLACE CRUSHED ROCK BACKFILL TO THE BOTTOM OF THE METER TO PREVENT FREEZING.
  2. PLACE THE METER BOX SO VALVES ON EITHER SIDE OF THE METER ARE OPERABLE FROM THE INSIDE OF THE METER BOX.
  3. METER BOX SHALL BE PROVIDED BY CITY (FOG TITE J20S STEEL BOX OR EQUAL).

2 WATER METER BOX ADJUSTMENT  
NTS

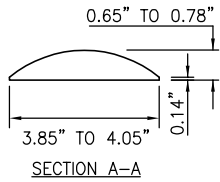
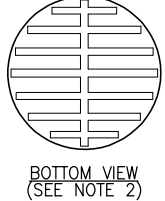
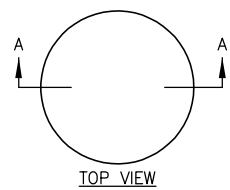


3 CROSSWALK AND STOP BAR STRIPING  
NTS

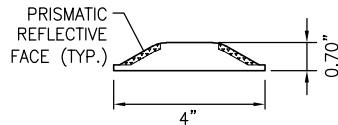
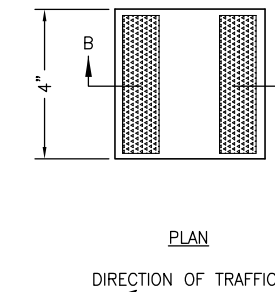


- TYPE 1 RAISED PAVEMENT MARKER
- TYPE 2 RAISED PAVEMENT MARKER

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



TYPE 1

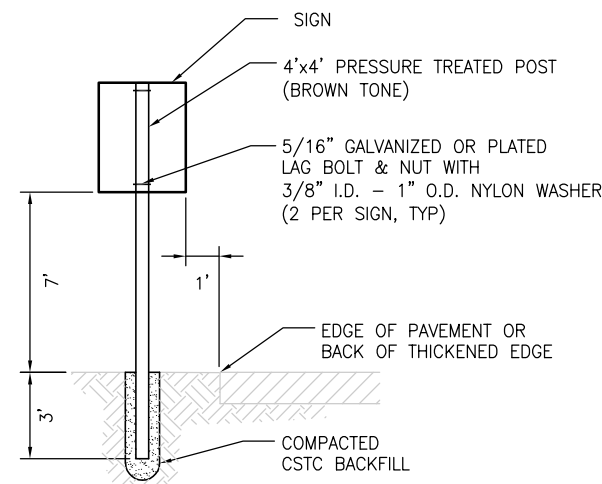


TYPE 2

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 STIMONITE C80 OR APPROVED EQUAL.
  2. SUBSTITUTE PAVEMENT MARKERS SHALL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER, PRIOR TO THE INSTALLATION.



NOTE:  
SIGN SHALL BE ATTACHED WITH TOP EDGE OF SIGN FLUSH WITH TOP OF POST.

5 SIGN INSTALLATION  
NTS

4 RAISED PAVEMENT MARKERS  
NTS



REV. NO.	DATE	DESCRIPTION

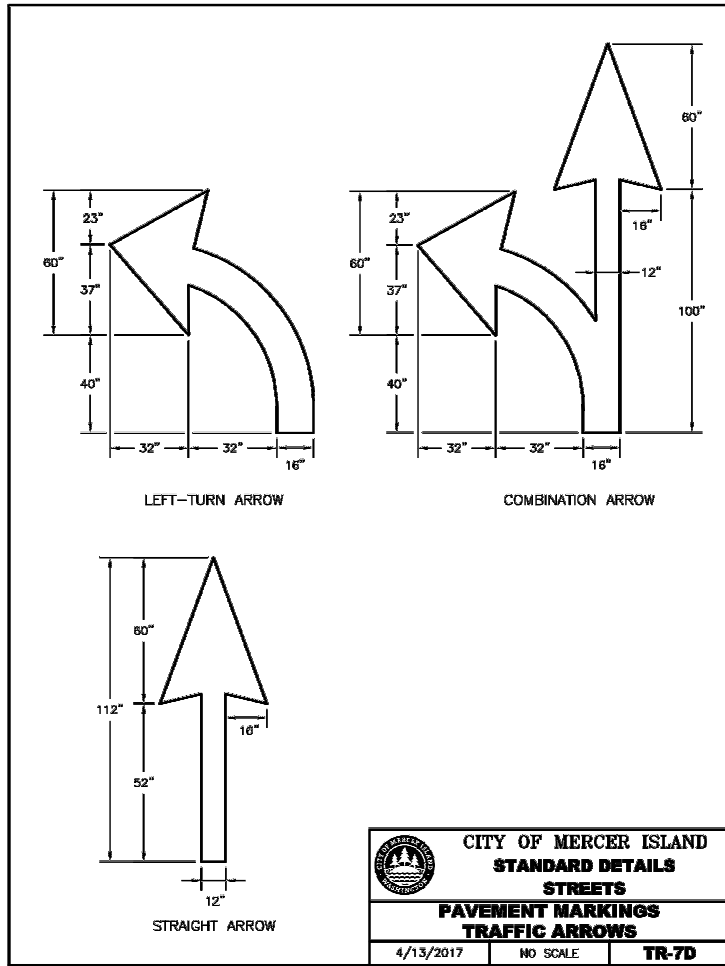
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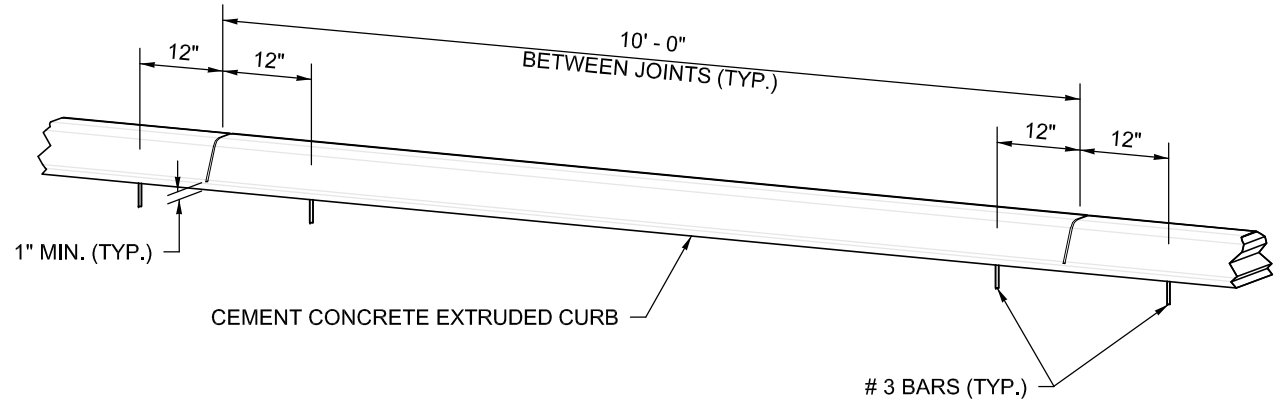
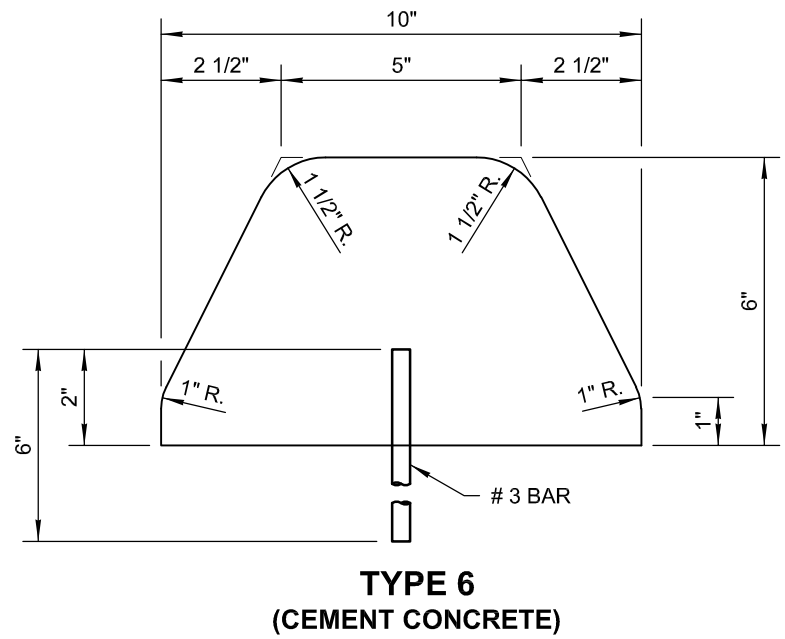
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DRAFT	JST
CHECK	JST

CITY OF MERCER ISLAND  
2022 ARTERIAL AND RESIDENTIAL STREET  
OVERLAYS  
DETAILS

PROJECT	22-14
SCALE	NONE
SHEET	21 OF 22



1 **TRAFFIC ARROWS**  
 NTS



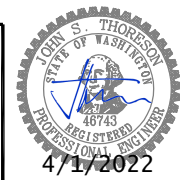
**NOTE**  
 JOINTS MAY BE FORMED DURING INSTALLATION USING A RIGID DIVIDER OR SAWCUT AFTER CONCRETE CURES TO MINIMUM STRENGTH.

2 **TYPE 6 EXTRUDED CURB**  
 NTS



REV. NO.	DATE	DESCRIPTION

**BID DOCUMENT**



DATE	4/1/2022
DESIGN	JST
DRAFT	JST
CHECK	JST

**CITY OF MERCER ISLAND  
 2022 ARTERIAL AND RESIDENTIAL STREET  
 OVERLAYS**  
 DETAILS

PROJECT	22-14
SCALE	NONE
SHEET	22 OF 22

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