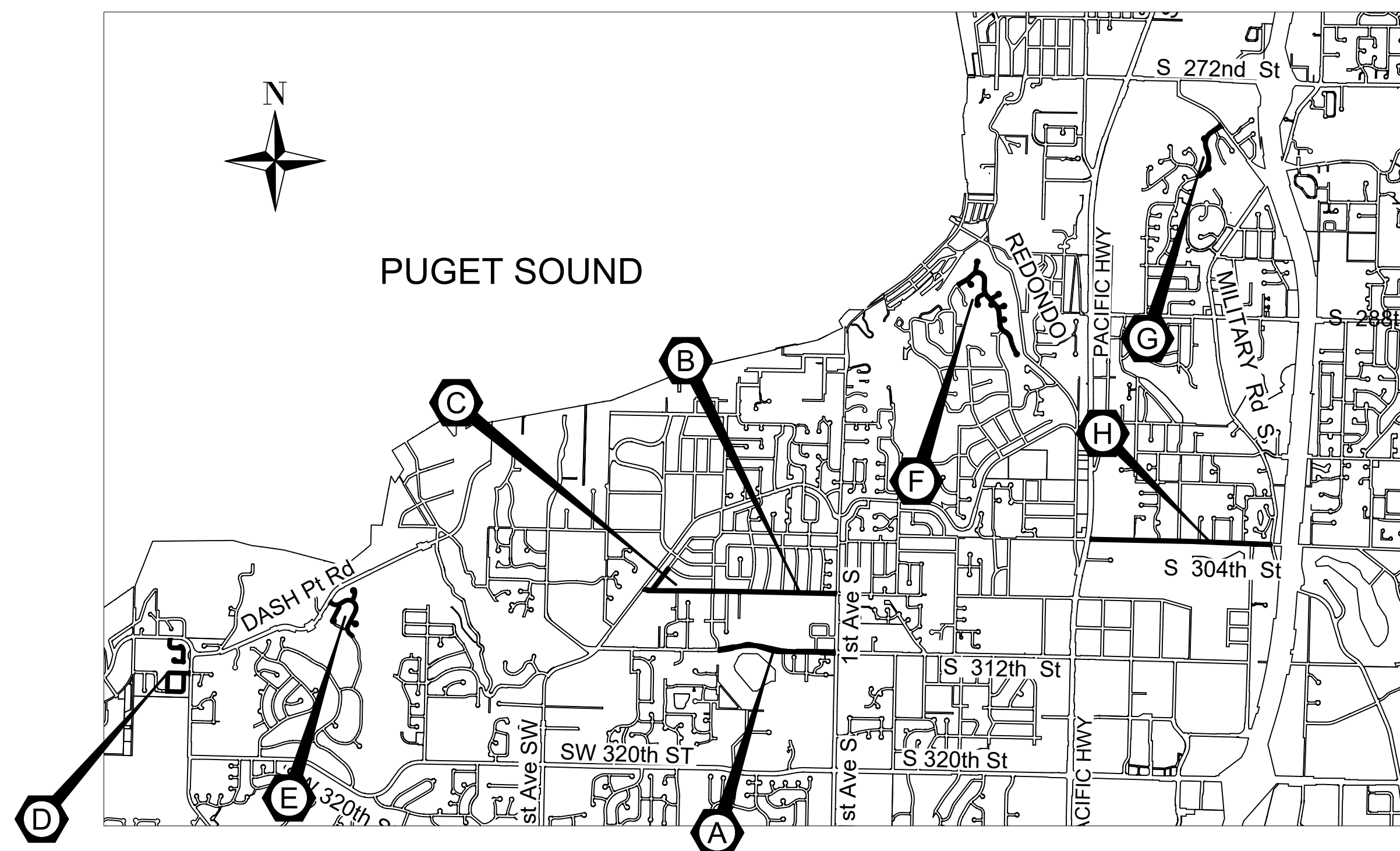


CITY OF Federal Way

Public Works Department

2023 OVERLAY PROJECT CITY PROJECT #: 12523



*NOTE: SURVEY COLLECTED ON NAVD-88

APPROVED FOR CONSTRUCTION

Desiree S. Winkler 2-10-23
 DESIREE S. WINKLER, P.E. DATE
 DEPUTY PUBLIC WORKS DIRECTOR

RFB # 23-003

100% DESIGN



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DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

G-01
COVER

CITY PROJECT #
12523
SHT. 1
OF 98

K:\ENGINEERING DIVISION\PROJECTS\ACTIVE\12523 - Overlay 2023\103 PEIACAD\2023 Overlay Cover.dwg - 2/9/2023 2:54 PM

Sheet List Table			
Sheet Number	Sheet Title	Sheet Description	Sheet Name
1	G-01	COVER	2023 OVERLAY
2	G-02	SHEET LIST TABLE	CONTENTS TABLE
3	G-03	LEGEND	LEGEND
4	G-04	TYPICAL SECTIONS	CROSS SECTION DETAIL
5	G-05	PATCH DETAILS	DETAILS
6	G-06	SHARROW DETAILS	DETAILS
7	SC-A-01	SURV.CONT. & KEY	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
8	SP-A-01	STA: 25+00-35+00	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
9	SP-A-02	STA: 35+00-45+00	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
10	SP-A-03	STA: 45+00 - 54+75	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
11	CR-A-01	RAMP-1	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
12	PM-A-01	STA: 25+00 - 35+00 (CHAN)	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
13	PM-A-02	STA: 35+00 - 45+00 (CHAN)	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
14	PM-A-03	STA: 45+00 - 54+75 (CHAN)	SCHEDULE A - SW 312TH ST (8TH AVE SW TO 1ST AVE SW)
15	SC-B-01	SURV.CONT. & KEY	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
16	SP-B-01	STA: 55+00 - 65+00	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
17	SP-B-02	STA: 65+00 - 75+00	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
18	SP-B-03	STA: 75+00 - 83+24	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
19	PM-B-1	STA: 55+00 - 65+00 (CHAN)	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
20	PM-B-2	STA: 65+00 - 75+00 (CHAN)	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
21	PM-B-3	STA: 75+00 - 83+25 (CHAN)	SCHEDULE B - SW 308TH ST (1ST AVE SW TO 6TH PL SW)
22	SC-C-01	SURV.CONT. & KEY	SCHEDULE C - SW 308TH ST (6TH PL SW TO SW DASH PT RD)
23	SP-C-01	STA: 85+00-95+00	SCHEDULE C - SW 308TH ST (6TH PL SW TO SW DASH PT RD)
24	SP-C-02	STA: 95+00-105+00	SCHEDULE C - SW 308TH ST (6TH PL SW TO SW DASH PT RD)
25	SP-C-03	STA: 105+00-115+52	SCHEDULE C - SW 308TH ST (6TH PL SW TO SW DASH PT RD)
26	PM-C-01	STA: 100+00 - 107+00 (CHAN)	SCHEDULE C - SW 308TH ST (6TH PL SW TO SW DASH PT RD)
27	SC-D-01	SURV.CONT. & KEY	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
28	SP-D-01	STA: 120+00 - 125+00	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
29	SP-D-02	STA: 125+00 - 136+00	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
30	SP-D-03	STA: 136+00 - 151+50	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
31	SP-D-04	STA: 142+00-146+50 & 151+00-156+00	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
32	SP-D-05	STA: 157+00-166+17	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)

33	CR-D-01	RAMPS 1 & 2	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
34	CR-D-02	RAMPS 3 & 4	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
35	CR-D-03	RAMPS 5 & 6	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
36	CR-D-04	RAMPS 7 & 8	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
37	CR-D-05	RAMPS 9	SCHEDULE D - DUMAS BAY ESTATES (47TH AVE S & SW DASH PT. RD)
38	SC-E-01	SURV. CONT. & KEY	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
39	SP-E-01	STA: 167+00-175+00	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
40	SP-E-02	STA: 175+00-183+00	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
41	SP-E-03	STA: 183+00-191+50	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
42	CR-E-01	RAMPS 1 & 2	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
43	CR-E-02	RAMPS 3 & 4	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
44	CR-E-03	RAMPS 5 & 6	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
45	CR-E-04	RAMPS 7 & 8	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
46	CR-E-05	RAMP 9	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
47	CR-E-06	RAMPS 10 & 11	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
48	CR-E-07	RAMP 12	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
49	PM-E-01	CHAN PLAN	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
50	PM-E-02	CHAN PLAN	SCHEDULE E - BAYVIEW COUNTRY ESTATES (SW 309TH ST)
51	SC-F-01	SURV.CONT. & KEY	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
52	SC-F-02	LINE CURVE TABLE	LINE CURVE TABLE
53	SC-F-03	LINE CURVE TABLE	LINE CURVE TABLE
54	SP-F-01	STA:231+00-240+63	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
55	SP-F-02	STA:193+00-198+00 & STA:220+00-221+85	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
56	SP-F-03	STA: 196+00-208+00	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
57	SP-F-04	STA:208+00 - 218+00	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
58	SP-F-05	STA:218+00 - 223+99	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
59	CR-F-01	RAMPS 1 & 2	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
60	CR-F-02	RAMPS 3 & 4	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
61	CR-F-03	RAMPS 5 & 6	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
62	CR-F-04	RAMPS 7 & 8	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
63	CR-F-05	RAMPS 9 & 10	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)

64	CR-F-06	RAMPS 11 & 12	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
65	CR-F-07	RAMPS 13 & 14	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
66	CR-F-08	RAMP 15	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
67	CR-F-09	RAMPS 16 & 17	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
68	CR-F-10	RAMPS 18 & 19	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
69	CR-F-11	RAMPS 20 & 21	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
70	CR-F-12	RAMPS 22, 23 & 24	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
71	PM-F-01	CHAN PLAN	SCHEDULE F - MARINE HILLS (11TH AVE SW) (NAUTILUS K-8 SCHOOL)
72	SC-G-01	SURV.CONT.& KEY	SCHEDULE G - REDONDO CREST (25TH DR. SW)
73	SP-G-02	STA: 252+00 - 262+00	SCHEDULE G - REDONDO CREST (25TH DR. SW)
74	SP-G-04	266+00-271+51	SCHEDULE G - REDONDO CREST (25TH DR. SW)
75	CR-G-01	RAMPS 1 & 2	SCHEDULE G - REDONDO CREST (25TH DR. SW)
76	CR-G-02	RAMPS 3 & 4	SCHEDULE G - REDONDO CREST (25TH DR. SW)
77	PM-G-02	CHAN PLAN	SCHEDULE G - REDONDO CREST (25TH DR. SW)
78	PM-G-03	CHAN PLAN	SCHEDULE G - REDONDO CREST (25TH DR. SW)
79	SC-H-01	SURV.CONT. & KEY	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
80	SP-H-01	STA: 269+00 - 276+00	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
81	SP-H-02	STA: 276+00 - 286+00	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
82	SP-H-03	STA: 286+00 -296+00	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
83	SP-H-04	STA: 296+00 - 306+00	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
84	SP-H-05	STA: 306+00 - 309+16	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
85	PM-H-01	CHAN PLAN	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
86	PM-H-02	CHAN PLAN	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
87	PM-H-03	CHAN PLAN	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
88	PM-H-04	CHAN PLAN	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
89	PM-H-05	CHAN PLAN	SCHEDULE H - SW 304TH ST (PAC HWY TO MILITARY RD.SW)
90	523 TC - 1	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
91	523 TC - 2	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
92	523 TC - 3	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
93	523 TC - 4	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
94	523 TC - 5	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
95	523 TC - 6	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
96	523 TC - 7	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
97	523 TC - 8	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN
98	523 TC - 9	TRAFFIC CONTROL	TRAFFIC CONTROL PLAN

100% DESIGN

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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

G-02.
SHEET INDEX

CITY PROJECT #
12523
SHT. **2**
OF **98**

LEGEND

EXISTING

MIC	MONUMENT IN CASE	Ⓣ	TELEPHONE MANHOLE	— P —	PAINTED POWER
MON	SURFACE MONUMENT	Ⓣ	TELEPHONE RISER	— P —	RECORD POWER
△	PK NAIL	Ⓣ	TELEPHONE VAULT LID	— T —	PAINTED TELEPHONE
RC	REBAR & CAP	Ⓣ	TELEPHONE POLE	— T —	RECORD TELEPHONE
⊗	SPOT SHOT (DESCRIBED)	Ⓣ	TV MANHOLE	— Fo —	PAINTED FIBER OPTIC
□	CATCH BASIN	Ⓣ	TV RISER	— TV —	PAINTED TV
⊙	STORM DRAIN MANHOLE	Ⓣ	TV VAULT LID	— W —	PAINTED WATER
⊕	YARD DRAIN	Ⓣ	FIBER OPTIC MANHOLE	— W —	RECORD WATER
⊖	DOWNSPOUT	Ⓣ	FIBER OPTIC VAULT LID	— G —	PAINTED GAS
SD	STORM DRAIN CLEAN-OUT	Ⓣ	GAS VALVE	— G —	RECORD GAS
^	CULVERT	Ⓣ	GAS METER	— OH —	OVERHEAD UTILITY LINE (GENERIC)
○	SEWER MANHOLE	Ⓣ	GAS MANHOLE	— SD —	STORM
SS	SEWER CLEAN-OUT	Ⓣ	WATER VALVE	— S —	SEWER
⊖	POWER POLE	Ⓣ	WATER METER	— x — x — x —	FENCE
⊖	POWER POLE W/UNDERGROUND CONNECT	Ⓣ	WATER MANHOLE	~~~~~	HEDGE (HEIGHT NOTED)
⊖	POWER POLE WITH LUMINAIRE	Ⓣ	WATER VAULT LID	~~~~~	BUILDING
⊖	PWR POLE W/LUMINAIRE & UNDGRD CONNECT	Ⓣ	FIRE HYDRANT	~~~~~	PAINTED STRIPE
⊖	POWER MANHOLE	Ⓣ	BLOW-OFF	~~~~~	PAINTED SKIP STRIPE
Ⓣ	POWER RISER	Ⓣ	FIRE DEPARTMENT CONNECT	~~~~~	RAISED-BUTTON SOLID STRIPE
Ⓣ	POWER VAULT LID	Ⓣ	POST INDICATOR VALVE	~~~~~	RAISED-BUTTON SKIP STRIPE
Ⓣ	POWER TRANSFORMER	Ⓣ	HOSE BIB	~~~~~	EDGE OF PAVEMENT
Ⓣ	POWER METER	Ⓣ	IRRIGATION CONTROL VALVE	~~~~~	FLOWLINE
Ⓣ	POWER OUTLET	Ⓣ	UTILITY MANHOLE (GENERIC/UNK)	~~~~~	CONTOUR
Ⓣ	HIGH VOLTAGE POWER POLE	Ⓣ	UTILITY VAULT LID (GENERIC/UNK)	~~~~~	RIGHT OF WAY LINE
Ⓣ	HIGH VOLTAGE PWR POLE W/UNDGRD CONNECT	Ⓣ	UTILITY CLEAN-OUT (GENERIC/UNK)	~~~~~	CONCRETE
Ⓣ	GUY POLE	Ⓣ	UTILITY RISER (GENERIC/UNK)	~~~~~	GRAVEL
→	GUY ANCHOR	Ⓣ	STAND-PIPE (GENERIC/UNK)	~~~~~	GRASS
Ⓣ	TRAFFIC SIGNAL	Ⓣ	UTILITY ACCESS (GENERIC/UNK)	~~~~~	ROCKERY
Ⓣ	TRAFFIC SIGNAL WITH LUMINAIRE	Ⓣ	BORE SITE (WITH FIELD DESC)	~~~~~	BRICK
Ⓣ	PEDESTRIAN SIGNAL	Ⓣ	MONITORING WELL	~~~~~	METAL GRATE
Ⓣ	JUNCTION BOX	Ⓣ	GUARD POST	~~~~~	ASPHALT/CONCRETE
Ⓣ	TRAFFIC CONTROL CABINET	Ⓣ	BOULDER	~~~~~	CHLK
Ⓣ	BACKUP POWER SUPPLY	Ⓣ	SIGN	~~~~~	DWY
Ⓣ	INTERCONNECT CABINET	Ⓣ	MAILBOX (# OF BOXES)	~~~~~	COL
Ⓣ	ELECTRICAL SERVICE CABINET	Ⓣ	SHRUB	~~~~~	YD
Ⓣ	TRAFFIC ATTENUATOR LOOP	Ⓣ	STUMP, DIAMETER	~~~~~	STCR
Ⓣ	STREET LIGHT (LUMINAIRE)	Ⓣ	SNAG, DIAMETER (# OF TRUNKS)	~~~~~	FF
Ⓣ	LOT LIGHT	Ⓣ	DECIDUOUS TREE, DIA (# OF TRUNKS)	~~~~~	
Ⓣ	YARD LIGHT	Ⓣ	CONIFEROUS TREE, DIA (# OF TRUNKS)	~~~~~	
Ⓣ	RAILROAD CROSSING ARM				
Ⓣ	RAILROAD CROSSING SIGNAL				




PROPOSED

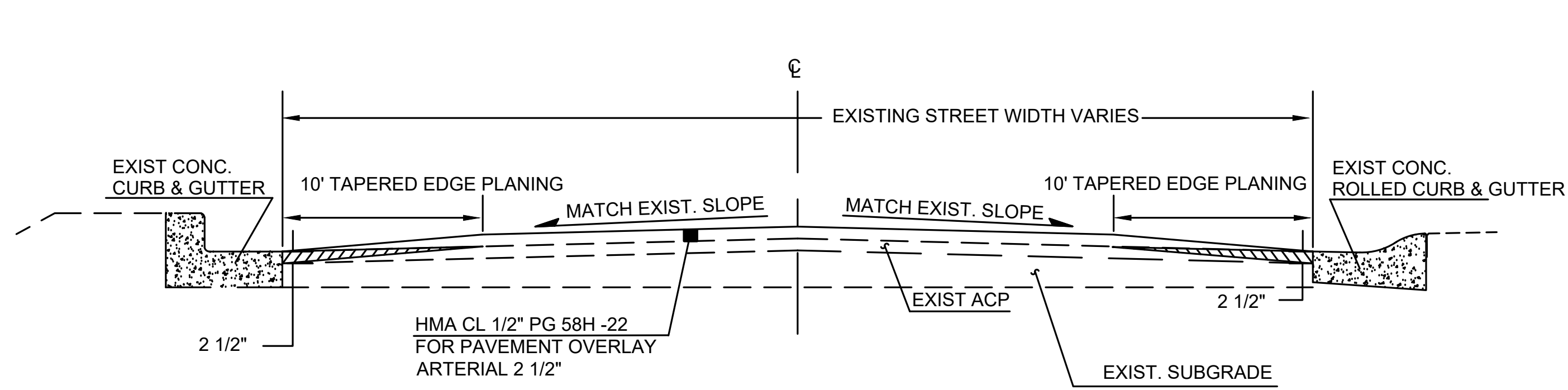
Ⓣ	MONUMENT	//////	REMOVE EXTRUDED CURB
Ⓣ	STORMDRAIN MANHOLE	→	DITCH FLOWLINE
■	CATCH BASIN	=====	EDGE OF PAVEMENT
Ⓣ	AREA DRAIN	=====	CONCRETE CURB & GUTTER
SD	STORMDRAIN CLEAN-OUT	- - - - -	SAWCUT
^	CULVERT	LIMITS OF GRADING
Ⓣ	SEWER MANHOLE	— SD —	STORMDRAIN
Ⓣ	SIGN	— UD —	UNDERDRAIN
MB	MAILBOX	— SS —	SANITARY SEWER
GP	BOLLARD	— W —	WATER
+	BORE / POTHOLE LOCATION	— IRR —	IRRIGATION
Ⓣ	SHRUB	— G —	GAS
Ⓣ	DECIDUOUS TREE, DIA (# OF TRUNKS)	— UE —	UNDERGROUND POWER
Ⓣ	CONIFEROUS TREE, DIA (# OF TRUNKS)	— TEL —	TELECOMMUNICATION
Ⓣ	BOULDER	— OE —	OVERHEAD UTILITY LINE
Ⓣ	STREET LIGHT (LUMINAIRE)	— FO —	CITY FIBER
Ⓣ	TRAFFIC SIGNAL, POLE & MAST ARM	— C —	CUT LINE
Ⓣ	TRAFFIC SIGNAL POLE & MAST ARM W/ LUMINAIRE ARM	— F —	FILL LINE
Ⓣ	PEDESTRIAN PUSHBUTTON POLE	— x — x — x —	FENCE - CHAINLINK
Ⓣ	TRAFFIC / ILLUM J-BOX	— o — o — o —	FENCE - WOOD
Ⓣ	TRAFFIC CONTROL CABINET		
BPS	BACKUP POWER SUPPLY		
Ⓣ	ELECTRICAL SERVICE CABINET		
Ⓣ	TRAFFIC SIGNAL VEHICLE DETECTION		
FO	CITY FIBER OPTIC VAULT / J-BOX		
Ⓣ	FESTIVAL OUTLET		
Ⓣ	POWER POLE		
→	POWER POLE GUY ANCHOR		
Ⓣ	POWER POLE W/ LUMINAIRE		
P	POWER VAULT LID / J-BOX		
Ⓣ	POWER TRANSFORMER		
Ⓣ	POWER METER		
T	TELECOMM VAULT / J-BOX		
PED	UTILITY PEDESTAL		
Ⓣ	GAS VALVE		
Ⓣ	GAS METER		
Ⓣ	WATER VALVE		
Ⓣ	WATER METER		
W	WATER VAULT LID		
Ⓣ	FIRE HYDRANT		
Ⓣ	BLOW-OFF		

ABBREVIATIONS

ABND	ABANDONED	N	NORTHING/NORTH
AC	ASPHALT	NO	NUMBER
AC	ASBESTOS CEMENT WATER PIPE	NTS	NOT TO SCALE
ACP	ASPHALT CONCRETE PAVEMENT	OC	ON CENTER
ADA	AMERICANS WITH DISABILITIES ACT	OD	OUTSIDE DIAMETER
AP	ANGLE POINT	OH	OVERHEAD UTILITIES
AVE	AVENUE	PC	POINT OF CURVATURE
BLDG	BUILDING	PCC	POINT OF CURVE ON CURVE
BMP	BEST MANAGEMENT PRACTICE	PE	POLYETHYLENE
BOW	BACK OF WALK	PG	PERFORMANCE GRADE
CB	CATCH BASIN	PI	POINT OF INTERSECTION
CDF	CONTROLLED DENSITY FILL	PIV	POST INDICATOR VALVE
CFW	CITY OF FEDERAL WAY	PM	PAVEMENT MARKING
CI	CAST IRON	POB	POINT OF BEGINNING
CL	CENTERLINE	POC	POINT OF CONNECTION
CL	CLASS	POE	POINT OF ENDING
CO	CLEANOUT	PRC	POINT OF REVERSE CURVATURE
CONC	CONCRETE	PT	POINT OF TANGENCY
CONT	CONTAINER	PVC	POLYVINYL CHLORIDE
CR	CURB RAMP	PVI	POINT OF VERTICAL INTERSECTION
CSBC	CRUSHED SURFACING BASE COURSE	R	RIGHT
DCVA	DOUBLE CHECK VALVE ASSEMBLY	RJ	RESTRAINED JOINT
DI	DUCTILE IRON	RT	RIGHT
DIA #	DIAMETER	S	SLOPE/SOUTH
E	EASTING/EAST	SC	SURVEY CONTROL
EL	ELEVATION	SD	STORM DRAIN
ELEV	ELEVATION	SDP	STORM DRAIN PIPE
EOP	EDGE OF PAVEMENT	SEW	SEWER
EX	EXISTING	SHT	SHEET
EXIST	EXISTING	SP	SITE PREP & PAVING
FDC	FIRE DEPARTMENT CONNECTION	SSMH	SANITARY SEWER MANHOLE
FG	FINISHED GRADE	ST	STREET
FL	FLANGE	STA	STATION
FL	FLOWLINE	STD	STANDARD
HORIZ	HORIZONTAL	T	TANGENT LENGTH
HMA	HOT MIX ASPHALT	T1	TYPE 1 CATCH BASIN
ICV	IRRIGATION CONTROL VALVE	T2	TYPE 2 CATCH BASIN
ID	INSIDE DIAMETER	TOC	TOP OF CURB
IE	INVERT ELEVATION	TOG	TOP OF GRATE
L	LEFT	TYP	TYPICAL
LT	LEFT	VC	VERTICAL CURVE
LF	LINEAR FEET	VERT	VERTICAL
LP	LOW POINT	VLT	VAULT
MAX	MAXIMUM	W	WEST / WITH
MIN	MINIMUM	WAT	WATER
MH	MANHOLE	WSDOT	WASHINGTON STATE
MIC	MONUMENT IN CASE		DEPARTMENT OF
MJ	MECHANICAL JOINT		TRANSPORTATION
MW	MONITORING WELL		

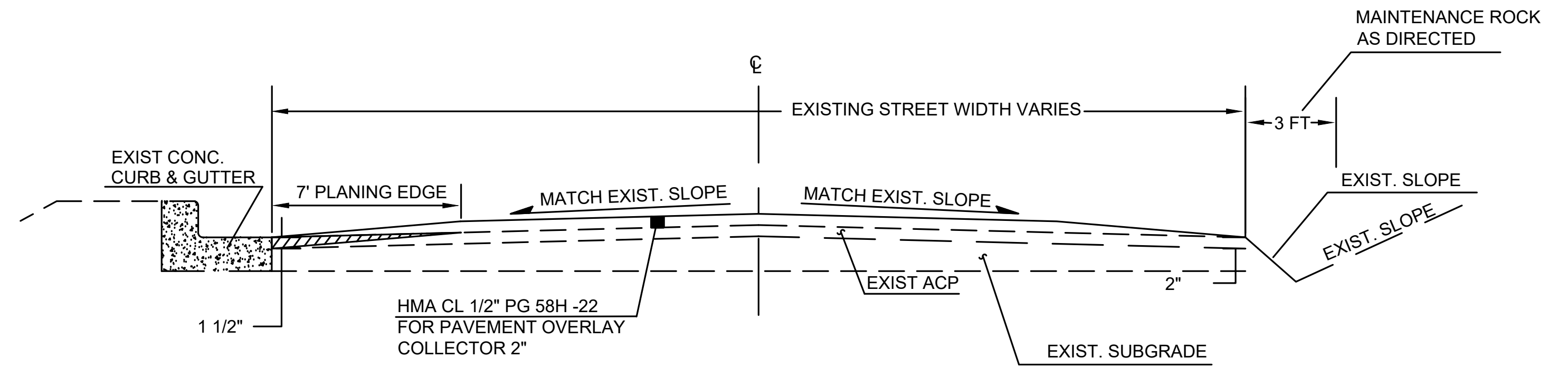
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 <p>33325 8th Avenue South Federal Way, WA 98003-6325</p> <p>(253) 835-2700 www.cityoffederalway.com</p>	 <p>know what's below. Call 811 before you dig</p>	<p>DRAFTED: D. MCINTOSH</p> <p>DESIGNED: J. COLE</p> <p>REVIEWED: C. MULLEN</p> <p>APPROVED: D. WINKLER</p>	 <p>CHRISTINE J. MULLEN PROFESSIONAL ENGINEER</p>	DRAWING VERSION / REVISION LOG		<h1>2023 OVERLAY PROJECT</h1>	<p>CITY PROJECT # 12523</p>
				NO.	DATE		



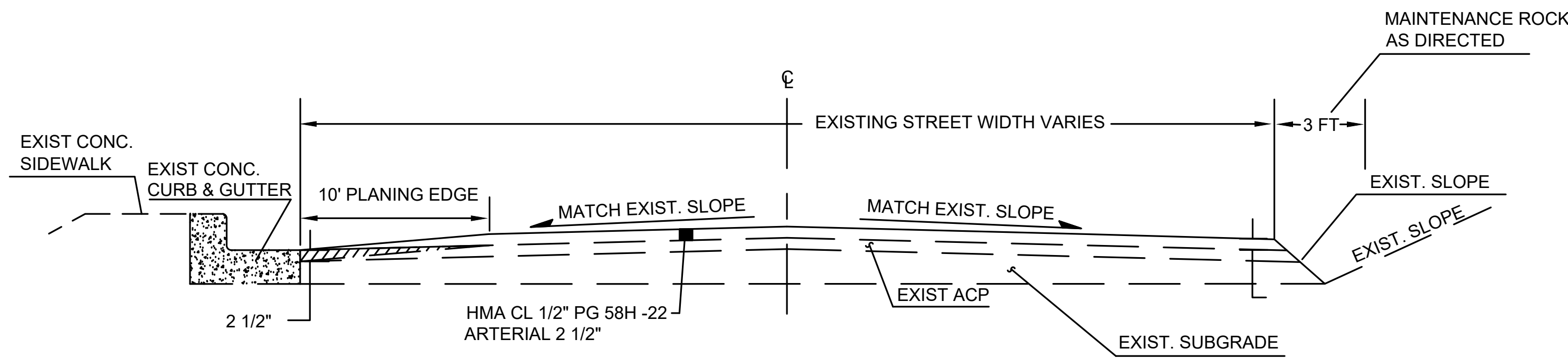
ARTERIAL TYPICAL SECTION OVERLAY WITH CURB AND GUTTER

NTS
SCHEDULE A STA 49+57 - 52+41



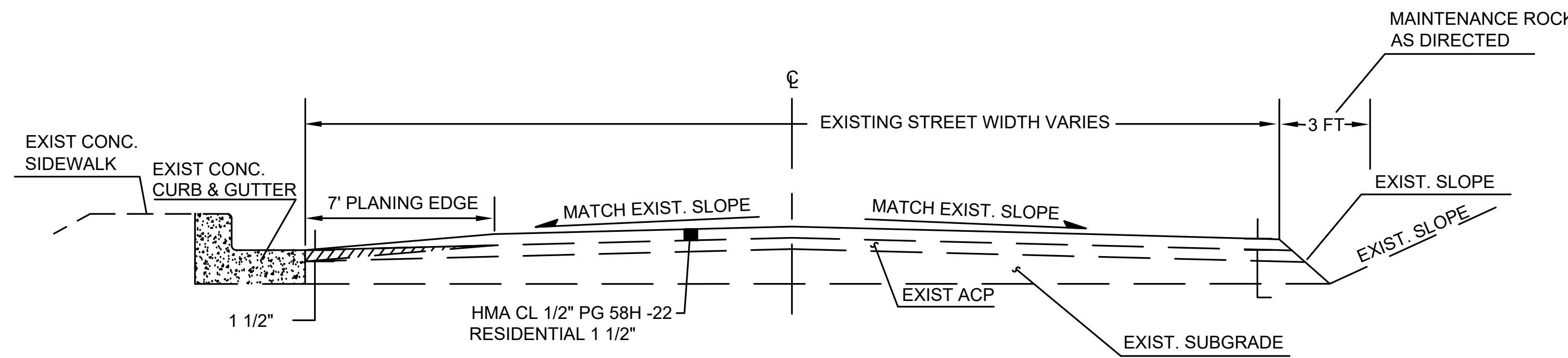
COLLECTOR TYPICAL SECTION OVERLAY WITH CURB AND GUTTER

NTS
SCHEDULE H



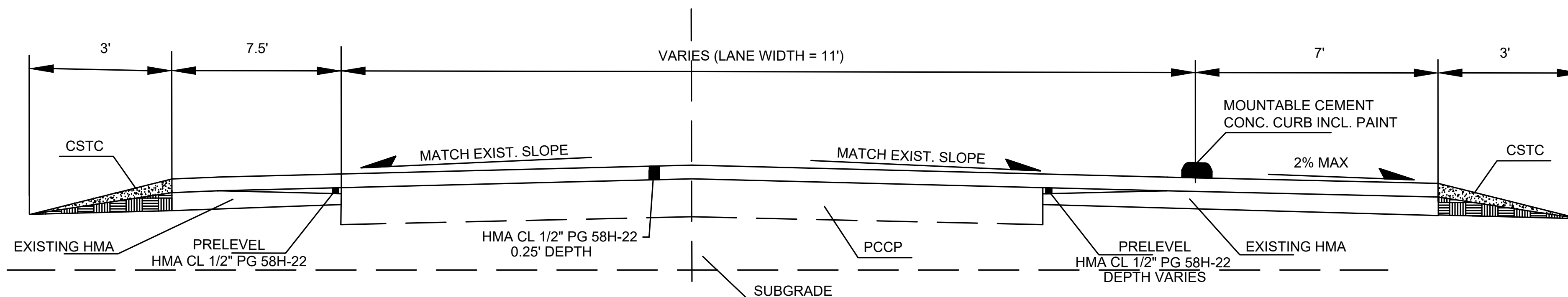
ARTERIAL TYPICAL SECTION ASPHALT OVERLAY WITH CURBS AND SHOULDER

NTS
SCHEDULE A STA 43+23 - 49+57



RESIDENTIAL TYPICAL SECTION ASPHALT OVERLAY WITH CURBS AND SHOULDER

NTS
SCHEDULE B
SCHEDULE C
SCHEDULE D STA. 135+94 - 141+00, 148+68 - 151+33, 158+44 - 160+36, 161+42 - 163+16
SCHEDULE E
SCHEDULE F
SCHEDULE G

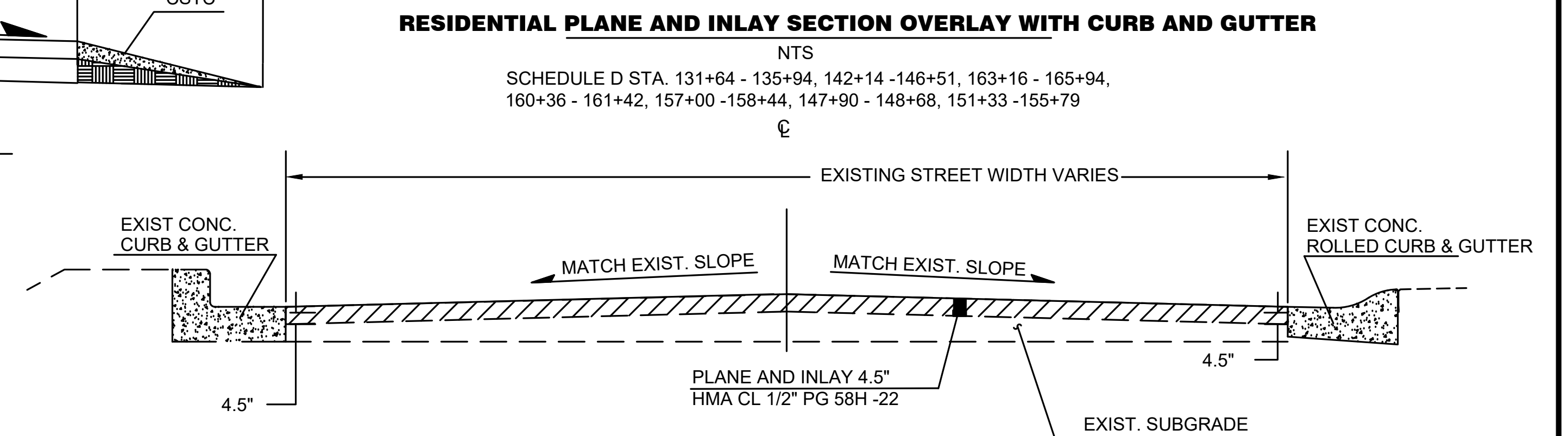


TYPICAL PCCP SECTION

NTS
PRE-CAST CONCRETE PANELS (PCCP) SECTION
SCHEDULE A STA 26+78 - 43+23

*HMA PRE-LEVEL CL 1/2" PG 58H-22
DEPTH AND WIDTH VARIES TO
ACHIEVE FINAL PROFILE
ELEVATIONS MINUS OVERLAY
DEPTH. PER WSDOT STD SPEC
5-04.3

*CRACK SEAL EXISTING
TRANSVERSE AND
LONGITUDINAL JOINTS PER
WSDOT STD SPEC 5-04.3(4)



RESIDENTIAL PLANE AND INLAY SECTION OVERLAY WITH CURB AND GUTTER

NTS
SCHEDULE D STA. 131+64 - 135+94, 142+14 - 146+51, 163+16 - 165+94,
160+36 - 161+42, 157+00 - 158+44, 147+90 - 148+68, 151+33 - 155+79



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(253) 835-2700
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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



11-Feb-2023

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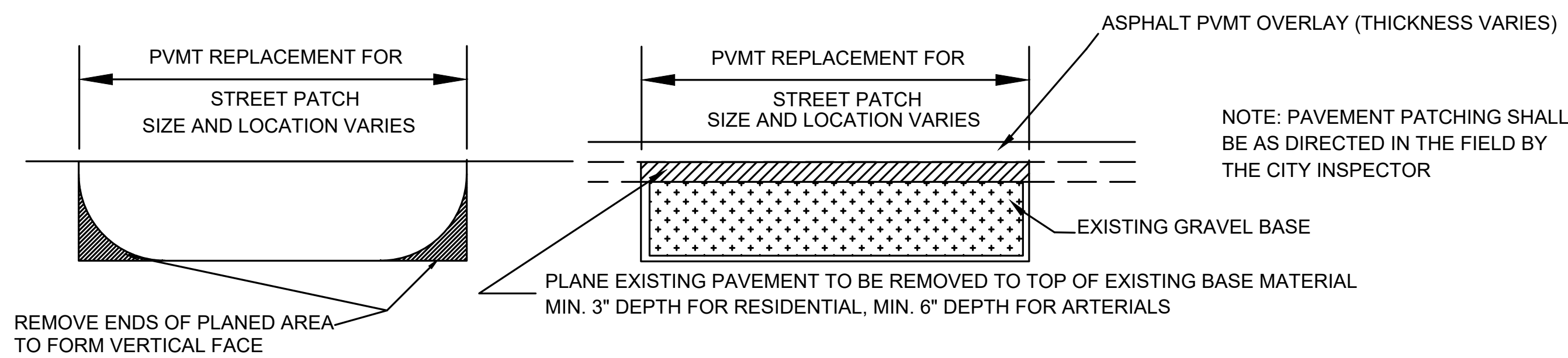
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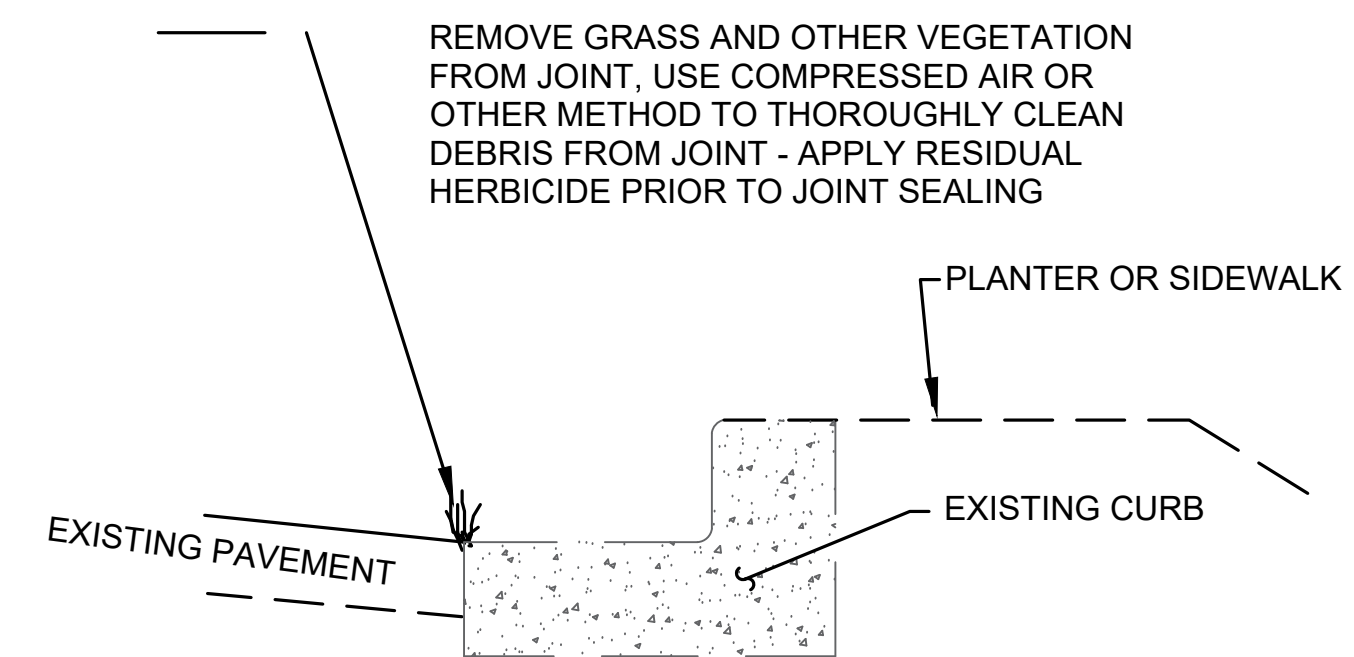
G-04
TYPICAL SECTIONS

100% DESIGN

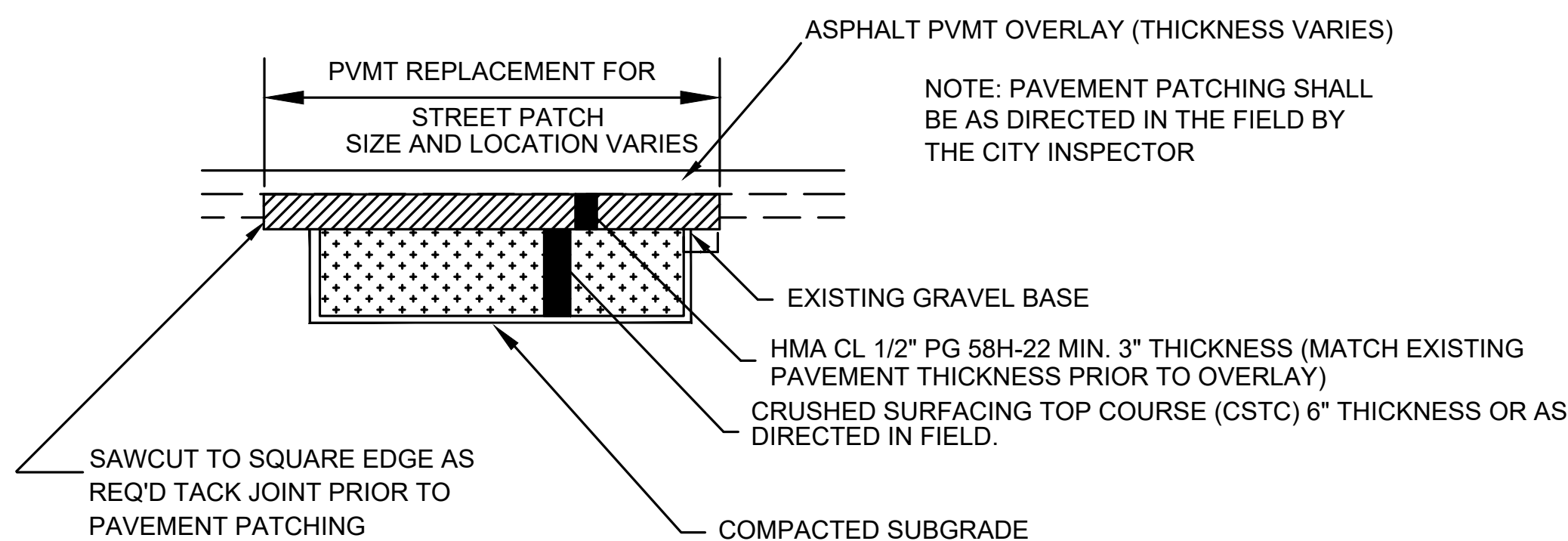
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12523
SHT. 4
OF 98



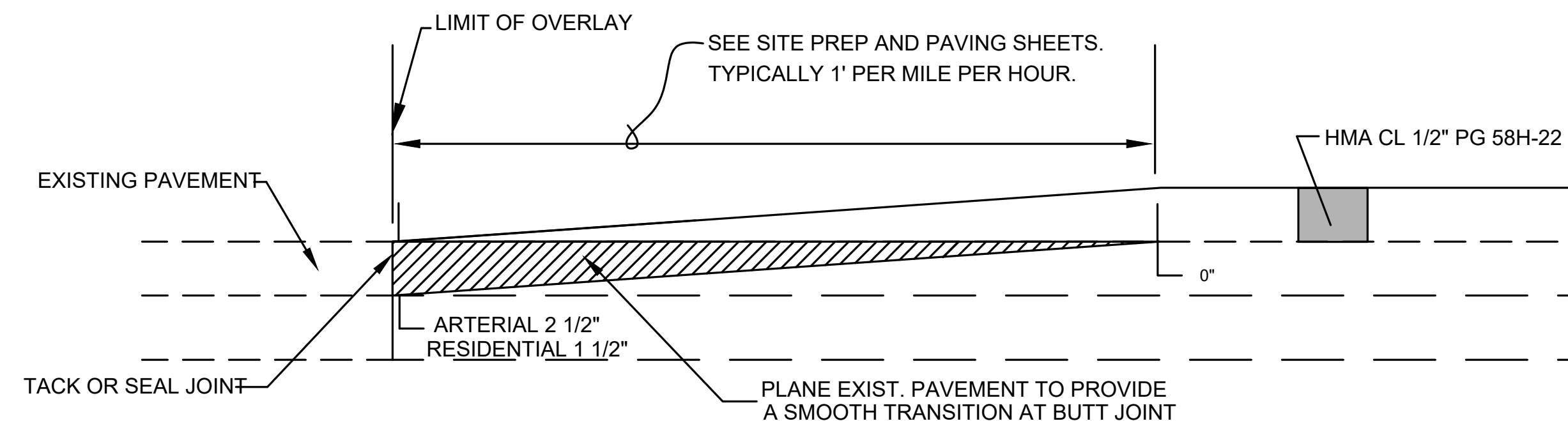
ALTERNATE PAVEMENT PATCHING DETAILS
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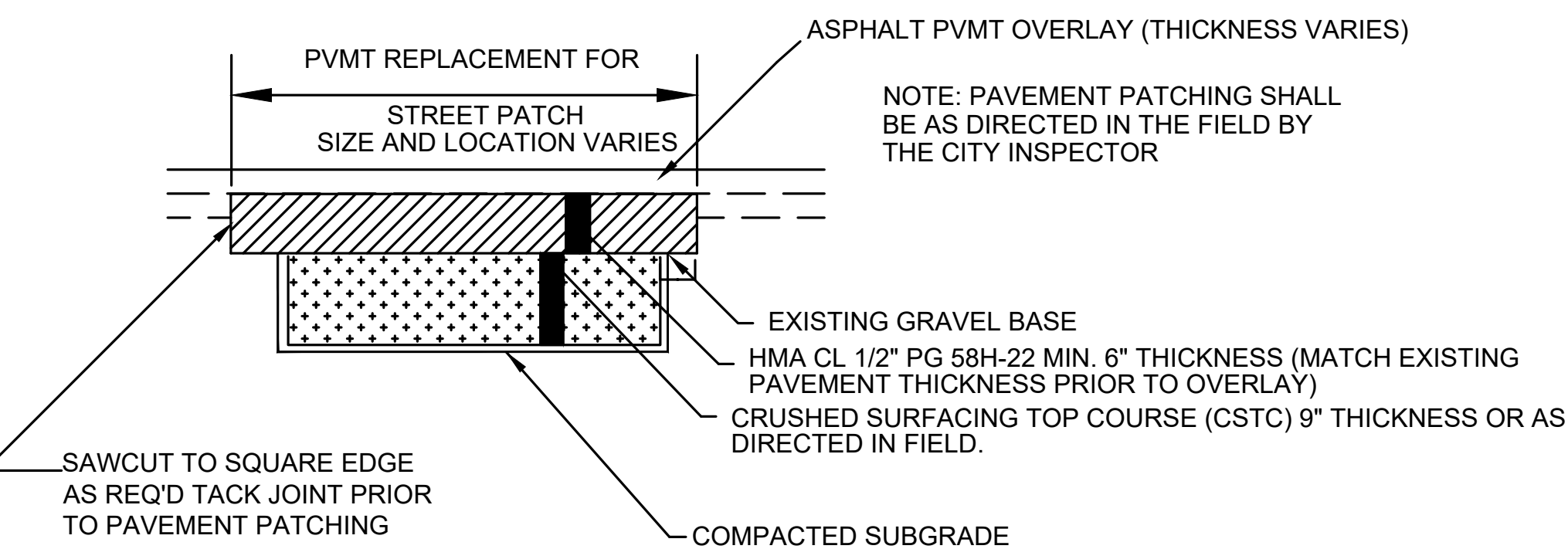
JOINT REPAIR/CLEANING
NTS



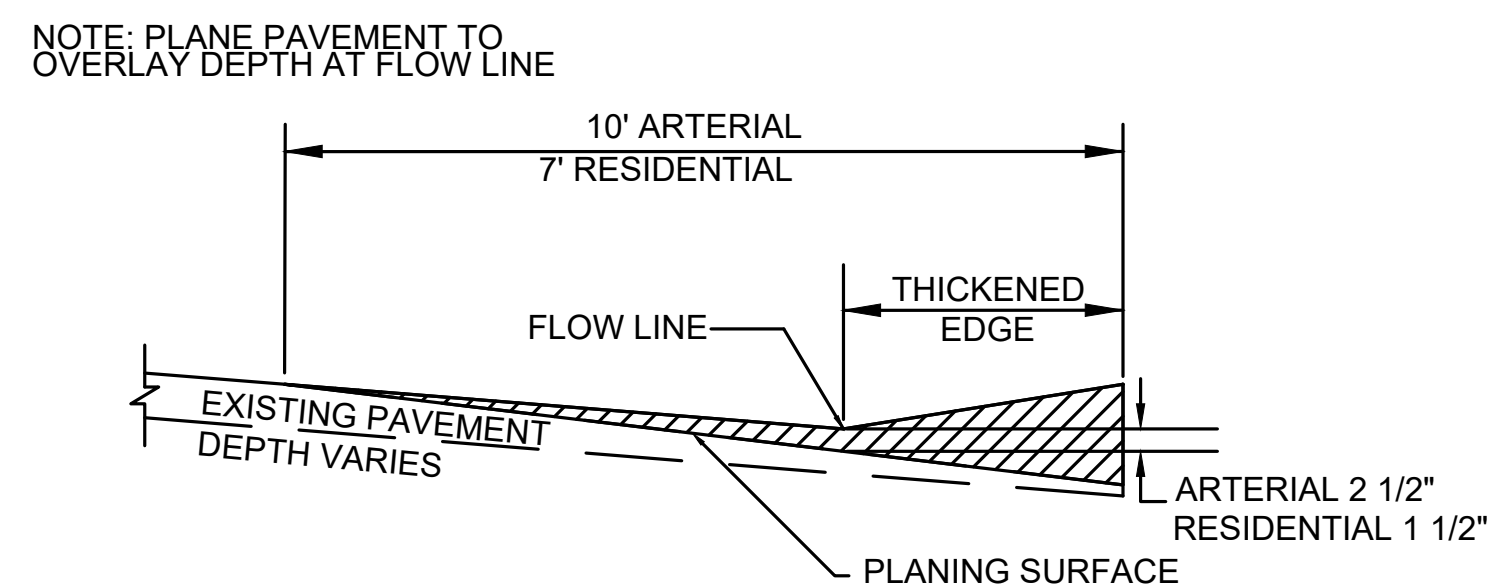
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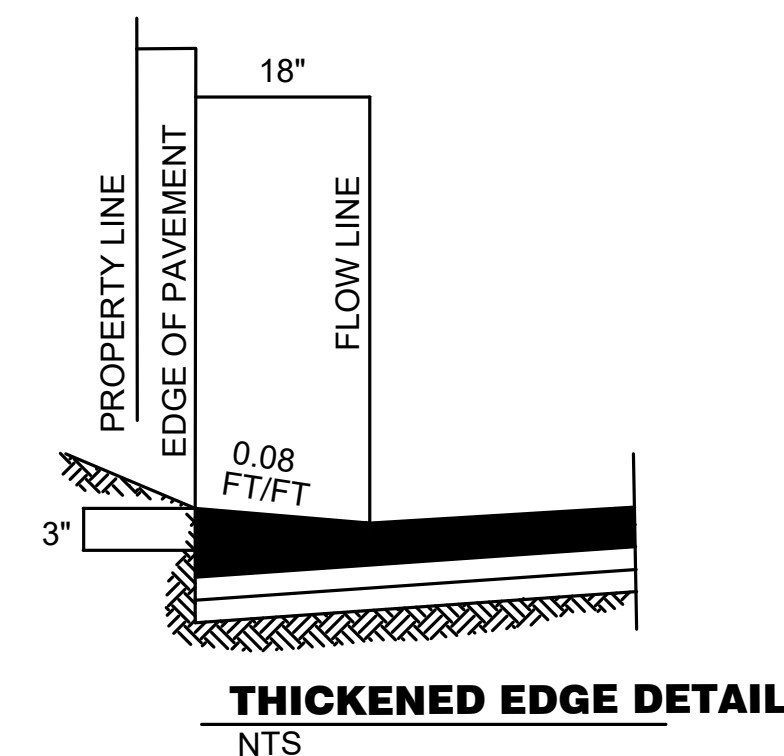
BUTT-JOINT DETAIL
NTS



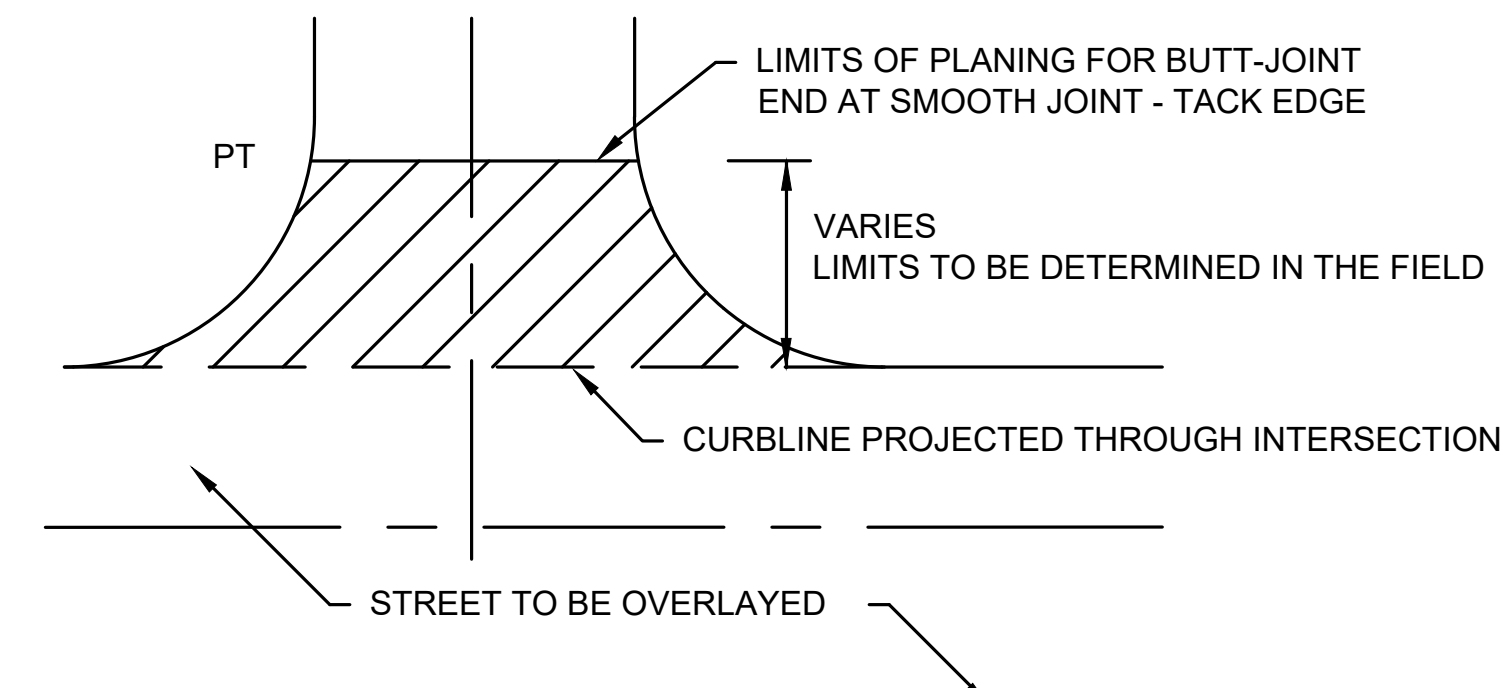
ARTERIAL PAVEMENT PATCHING DETAIL
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PLANING DETAIL FOR THICKENED EDGE AREAS
NTS

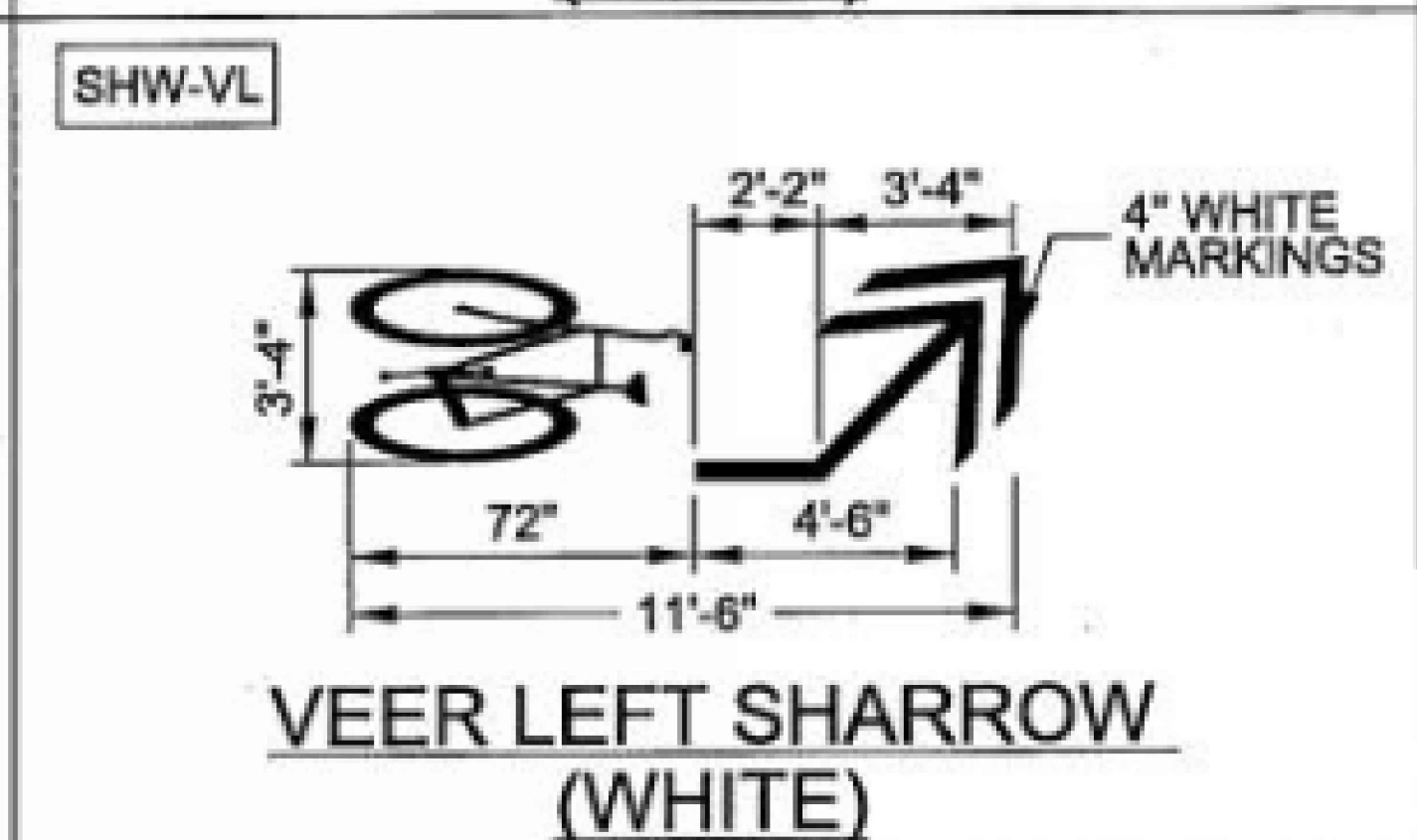
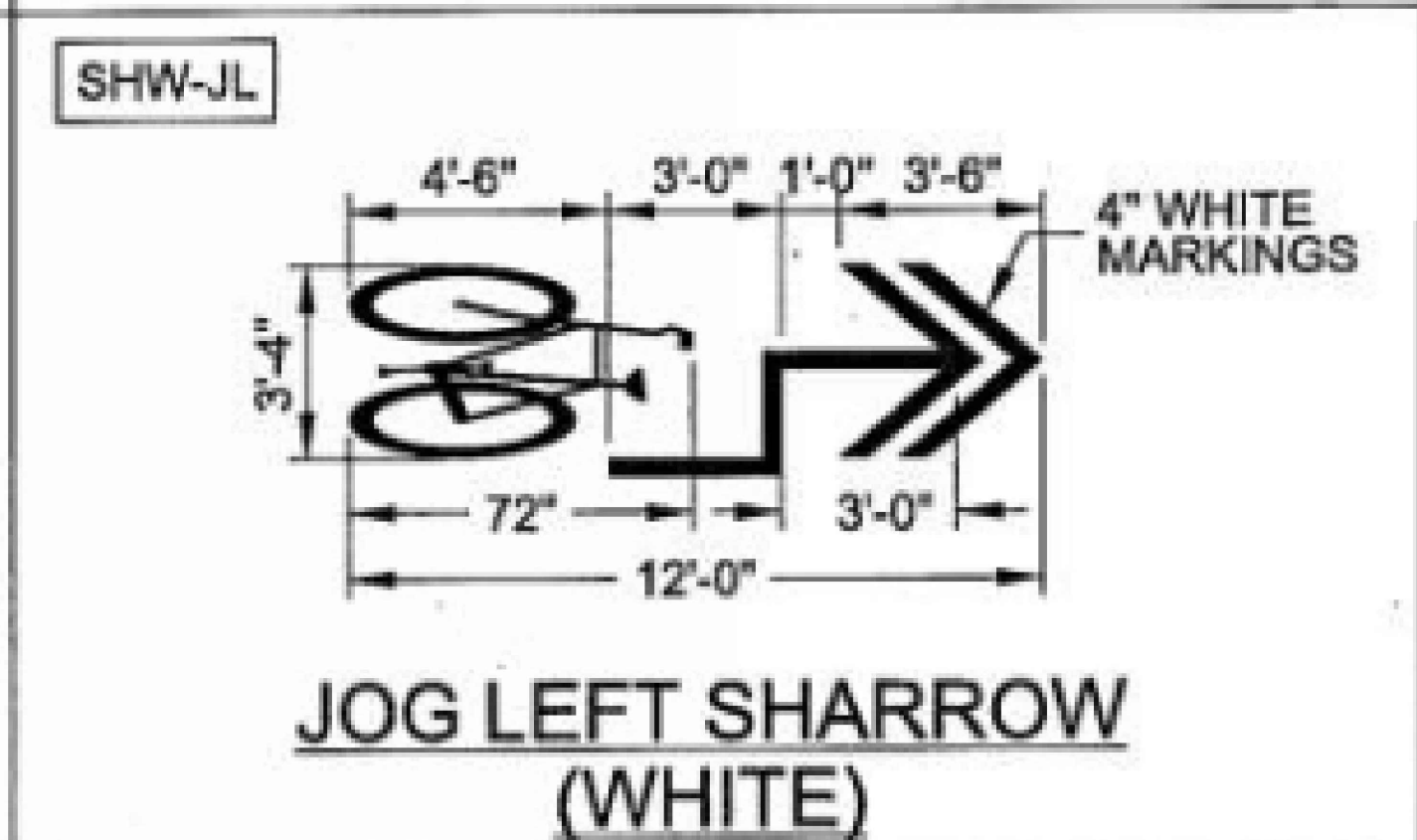
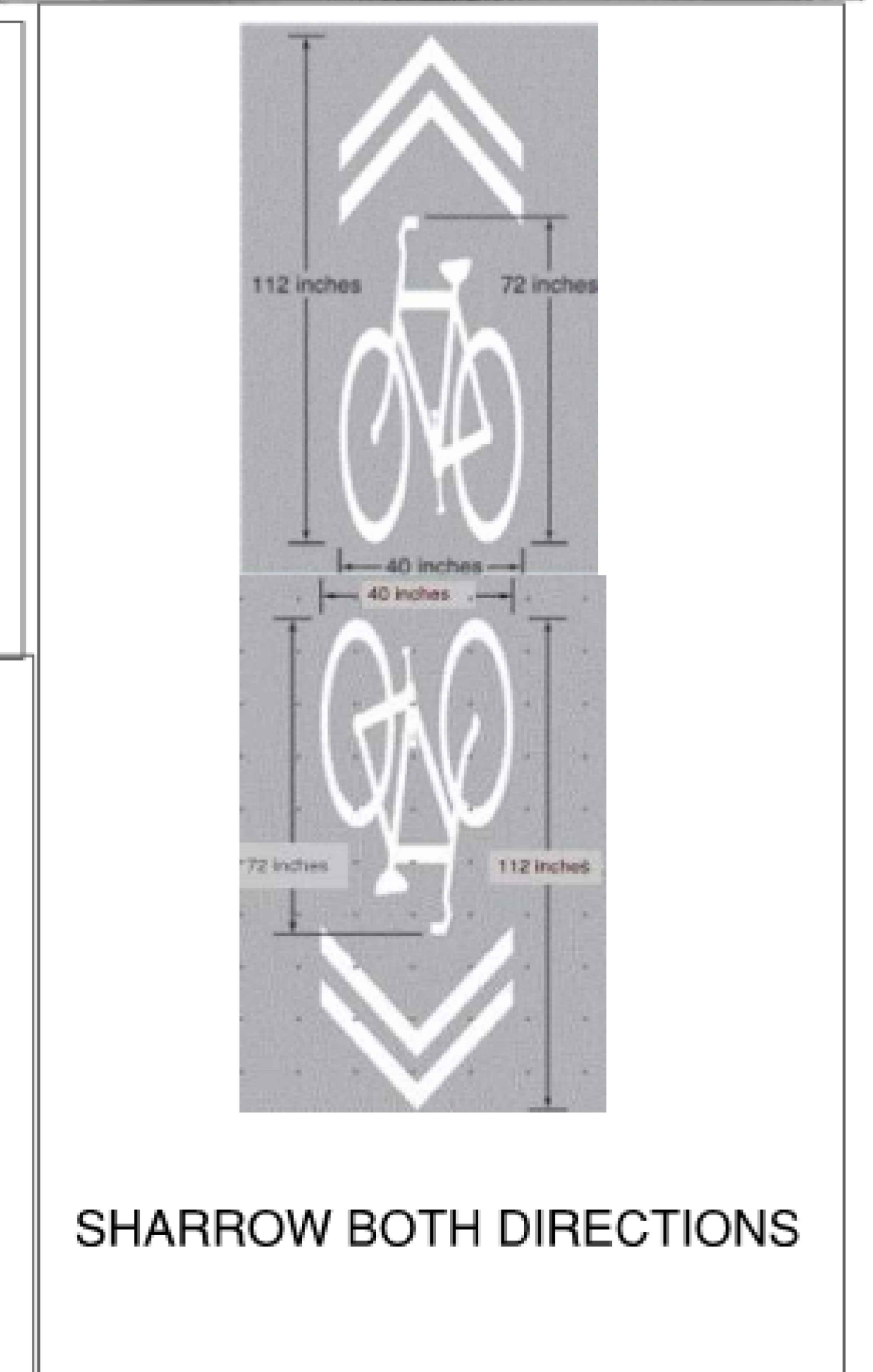
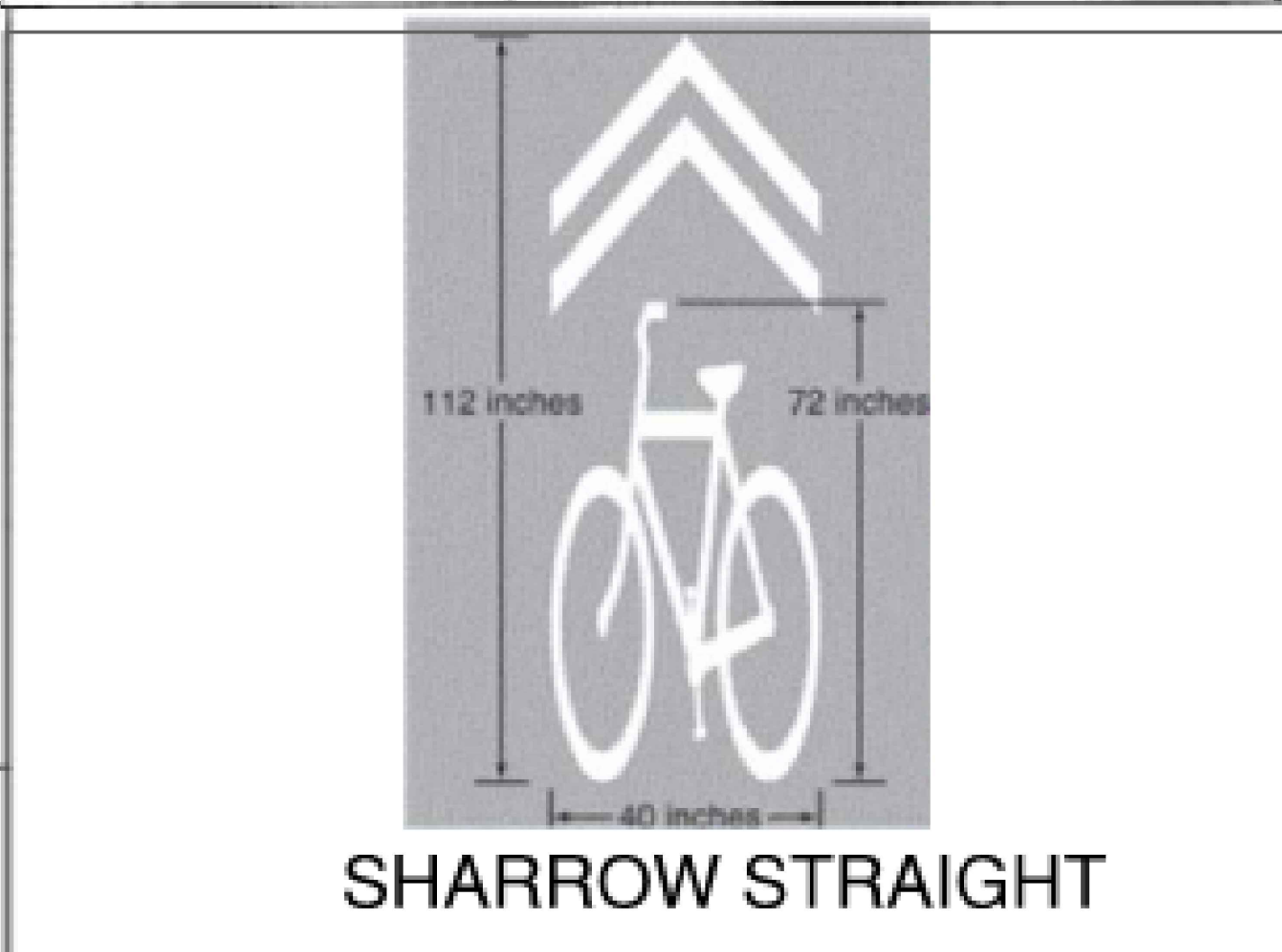
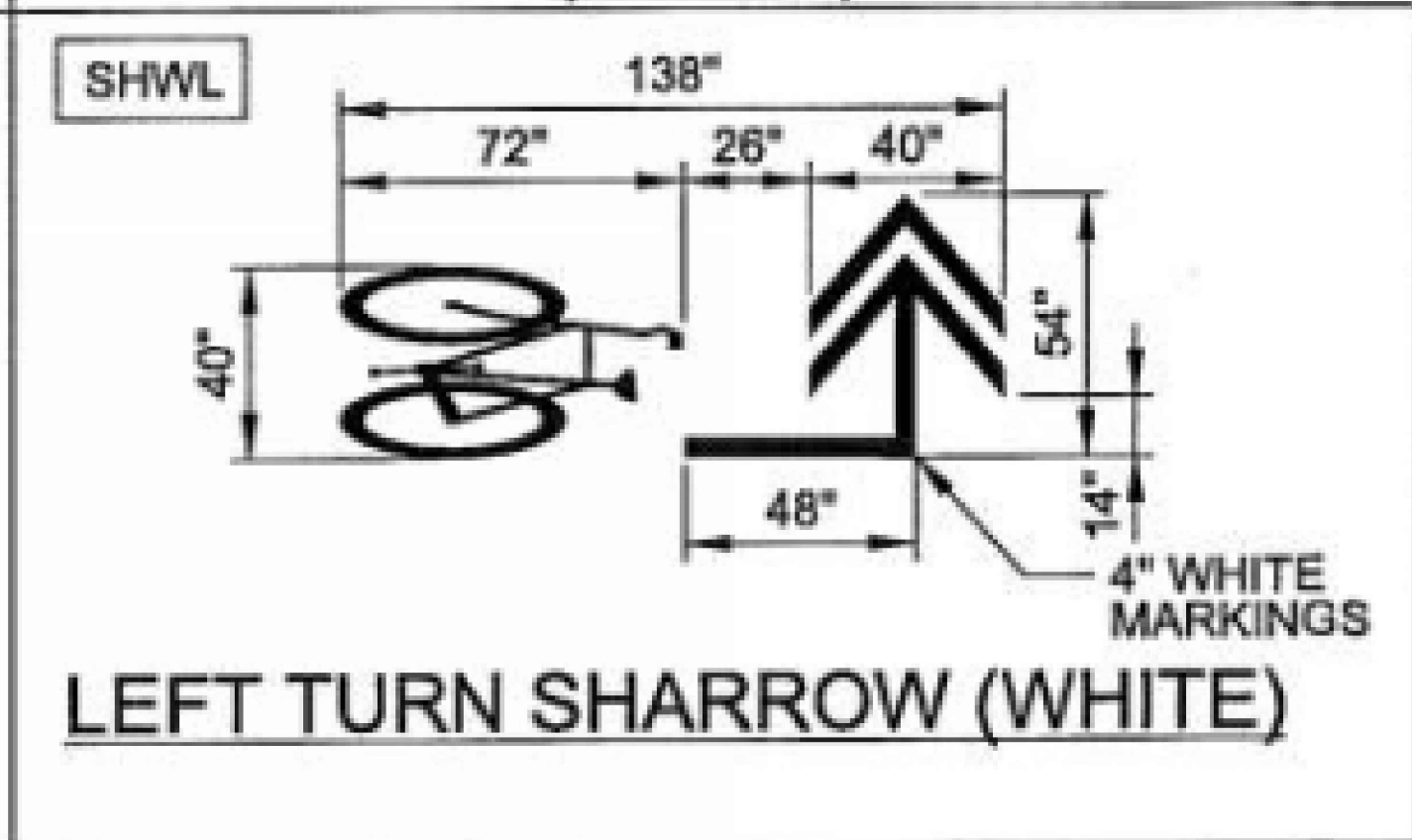
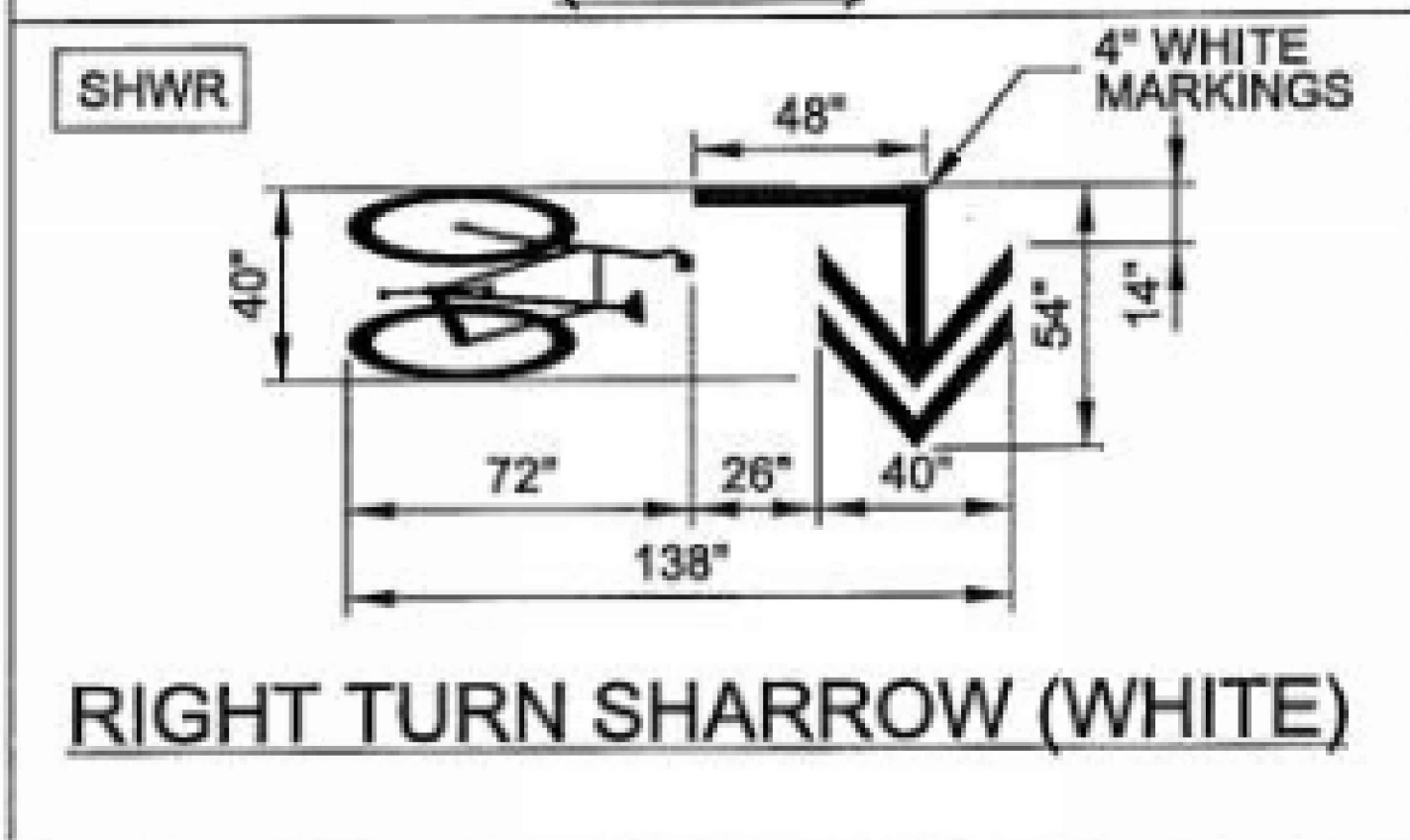
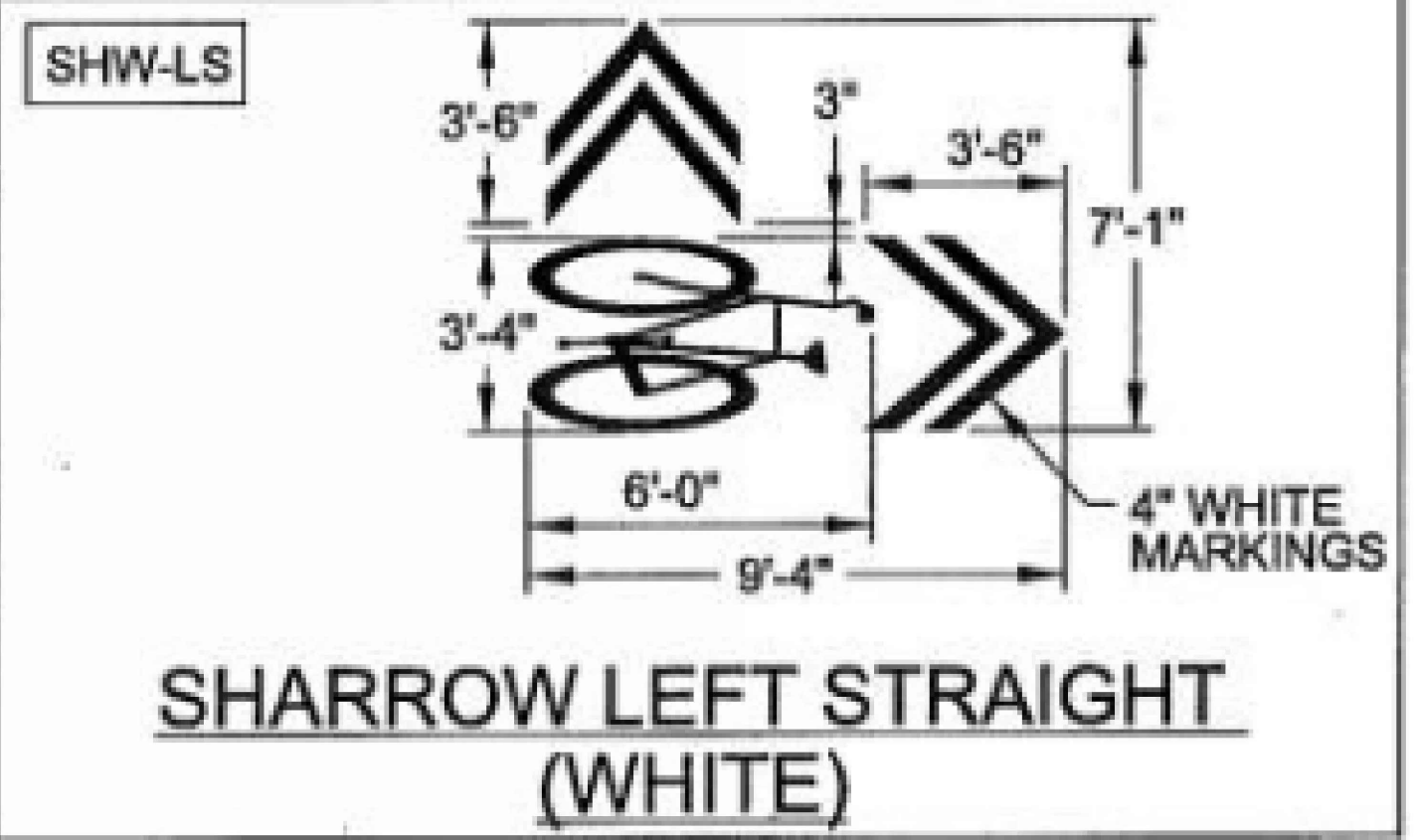
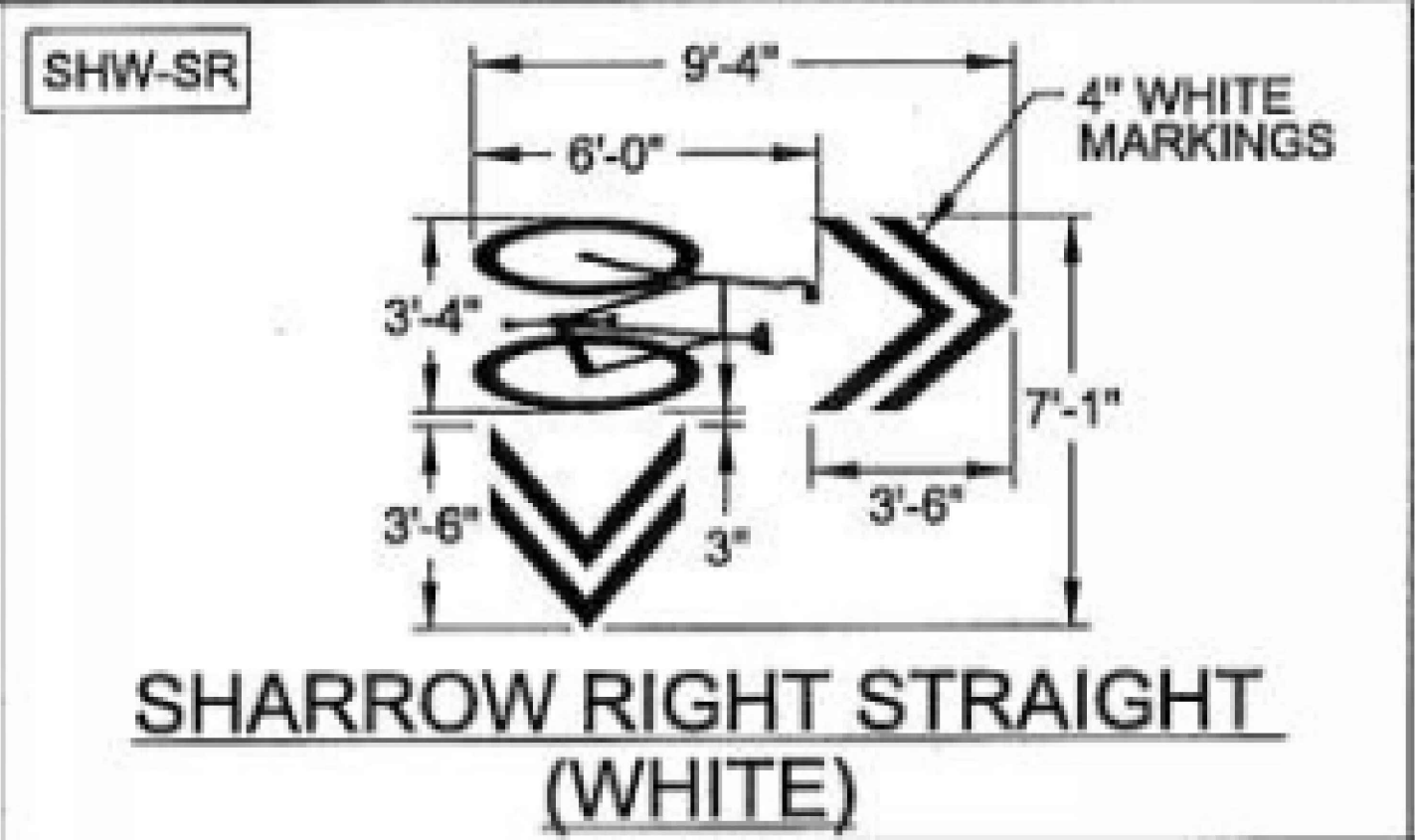
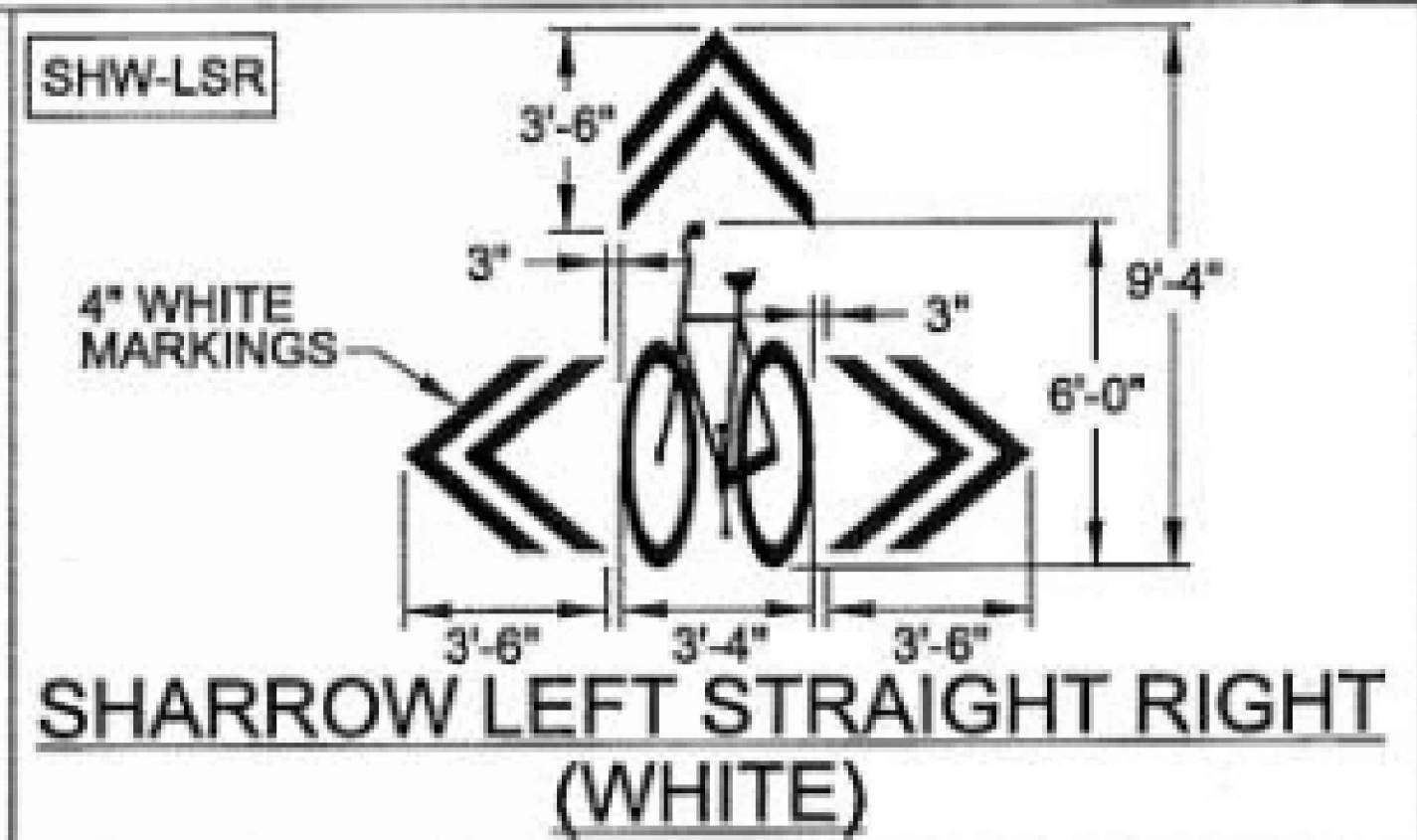
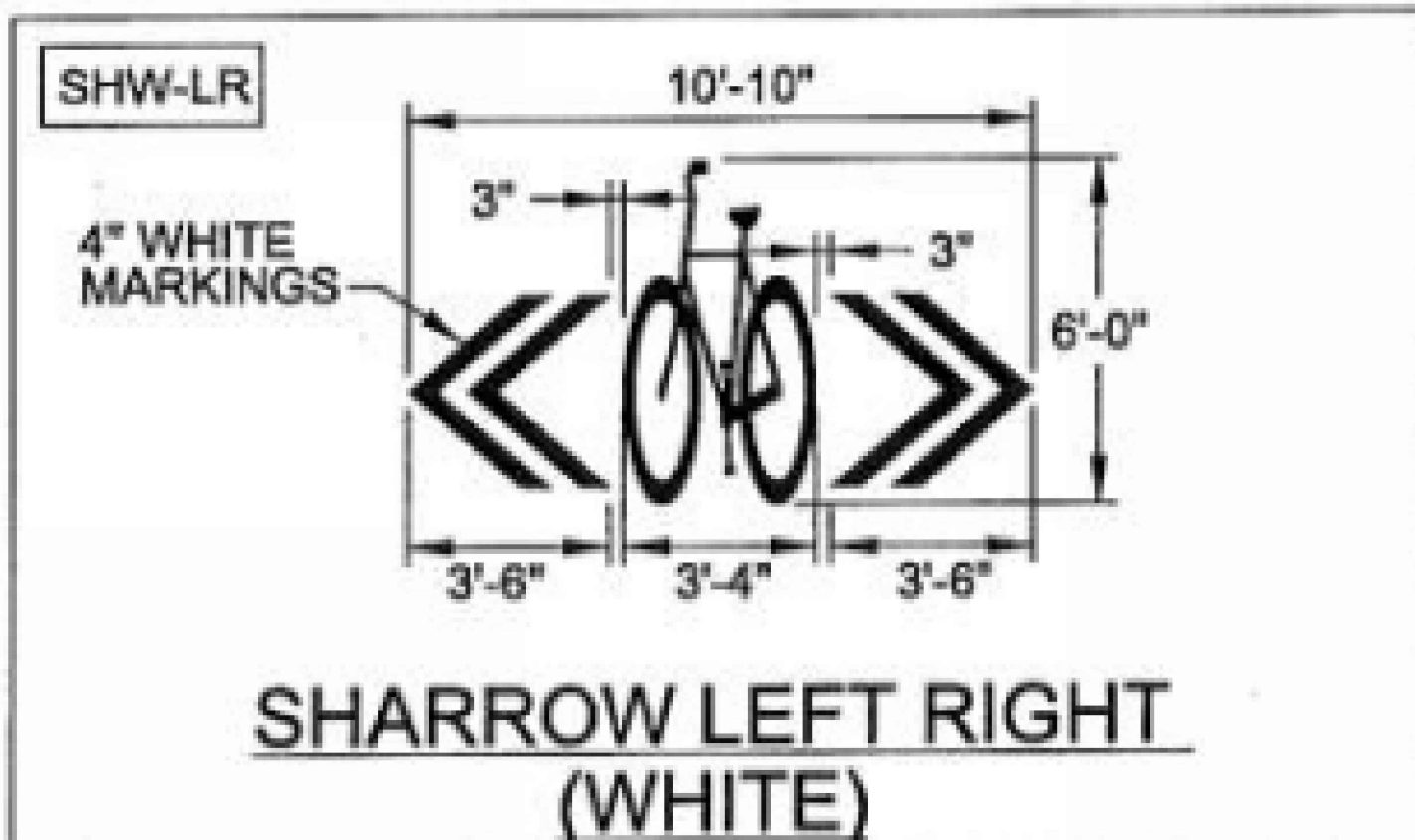


THICKENED EDGE DETAIL
NTS



BUTT-JOINT AT TYPICAL INTERSECTION
NTS

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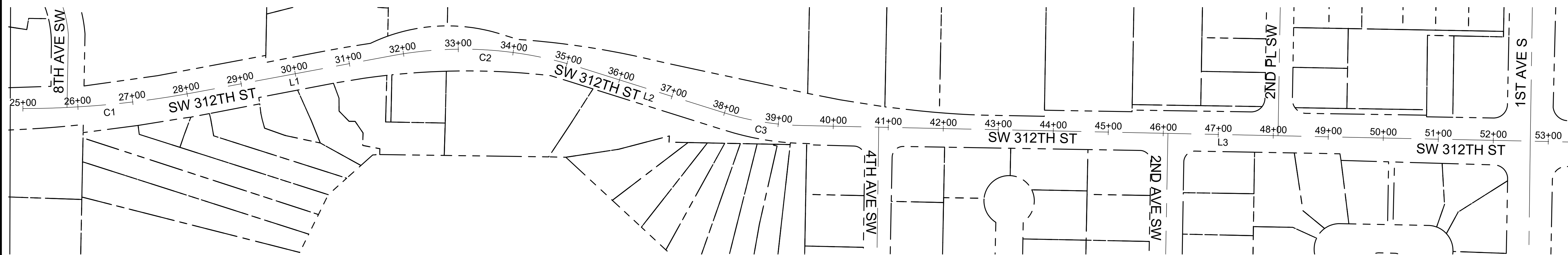
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A1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C1	25+00.00	28+11.09	10.4846 (d)	1700.00'	311.09'	N/A	121294.59'	1265324.78'	121323.28'	1265634.10'
L1	28+11.09	31+79.17	N/A	N/A	368.08'	N79° 27' 33.26"E	121323.28'	1265634.10'	121390.61'	1265995.97'
C2	31+79.17	35+20.91	27.9720 (d)	700.00'	341.74'	N/A	121390.61'	1265995.97'	121370.28'	1266333.72'
L2	35+20.91	38+00.00	N/A	N/A	279.09'	S72° 34' 07.38"E	121370.28'	1266333.72'	121286.68'	1266599.99'
C3	38+00.00	39+41.40	16.2025 (d)	500.00'	141.39'	N/A	121286.68'	1266599.99'	121263.83'	1266739.05'
L3	39+41.40	54+76.63	N/A	N/A	1535.23'	S88° 46' 16.43"E	121263.83'	1266739.05'	121230.91'	1268273.93'

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11
 VERTICAL DATUM: NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS
 OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK)



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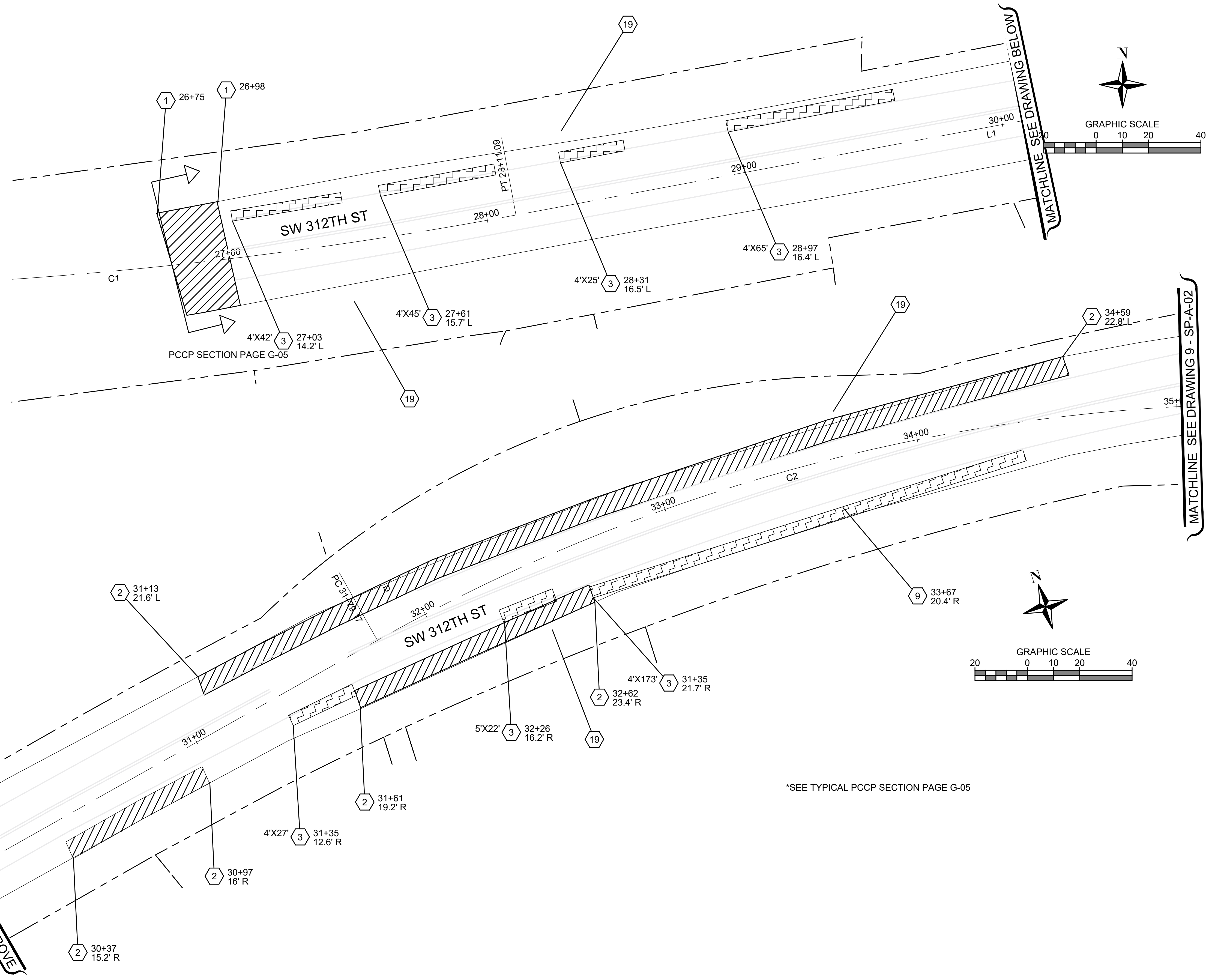
DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
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 APPROVED: D. WINKLER



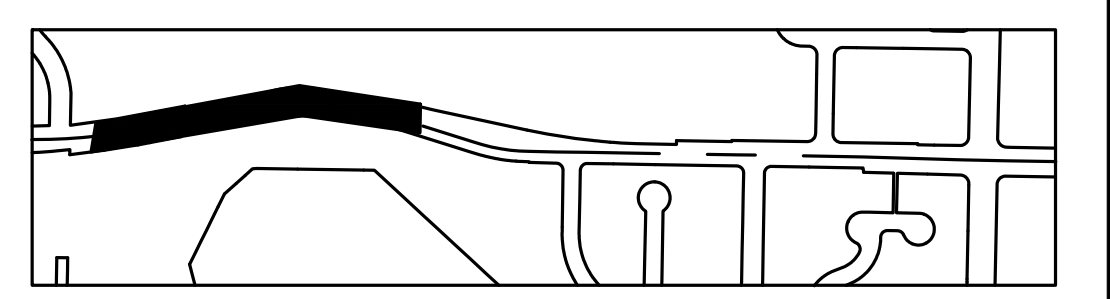
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2023 OVERLAY PROJECT
 SC-A-01
 SURV.CONT. & KEY

CITY PROJECT #:
 12523
 SH. 7
 OF 98



(X)	OVERLAY CONSTRUCTION NOTES:
1	BUTT JOINT AT STATION OR LOCATION INDICATED, 2.5 IN AT MATCH LINE AND TRANSITION TO 0 IN. AT DISTANCE DIRECTED BY ENGINEER
2	EDGE PLANE PER SHEET G-06
3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	EXTRUDED CONC. CURB, PER CFW STD. DETAIL 3-04A
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
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25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

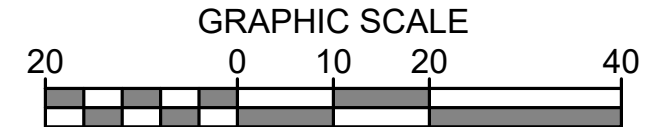
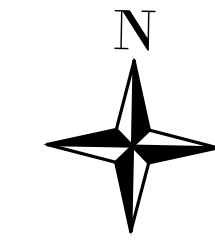
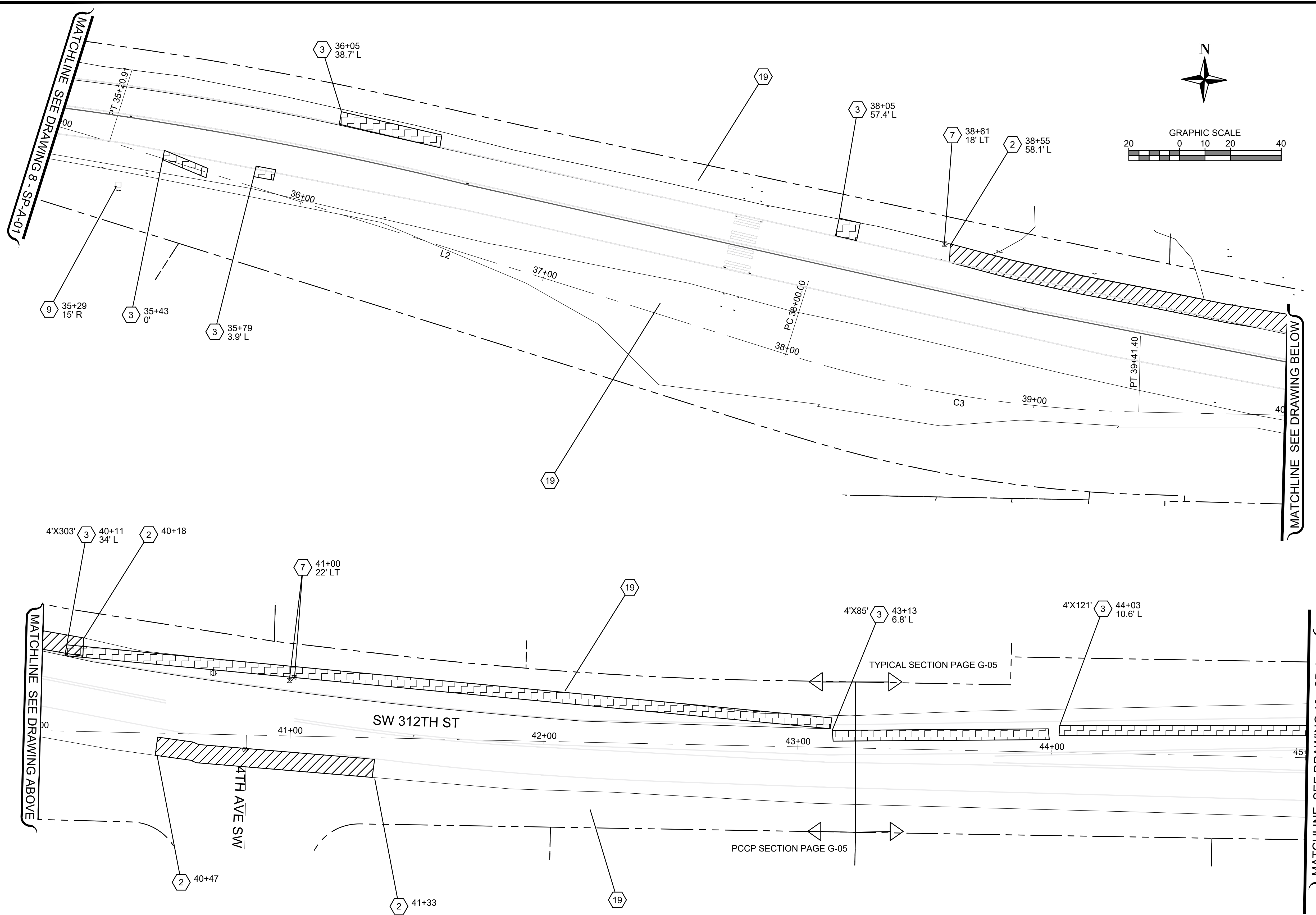
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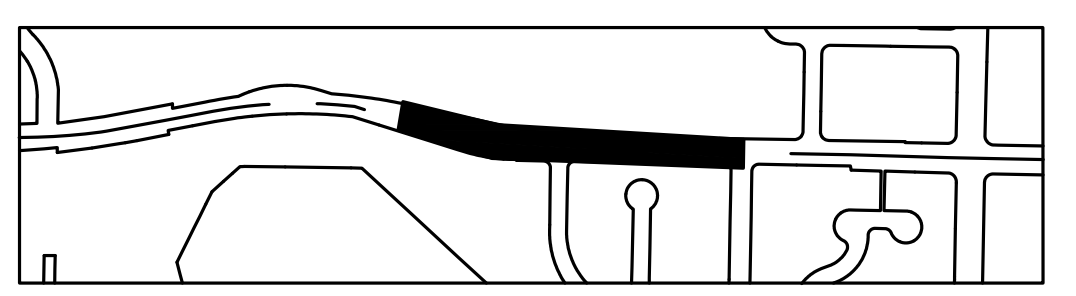
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STA: 25+00-35+00

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OF 98

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CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

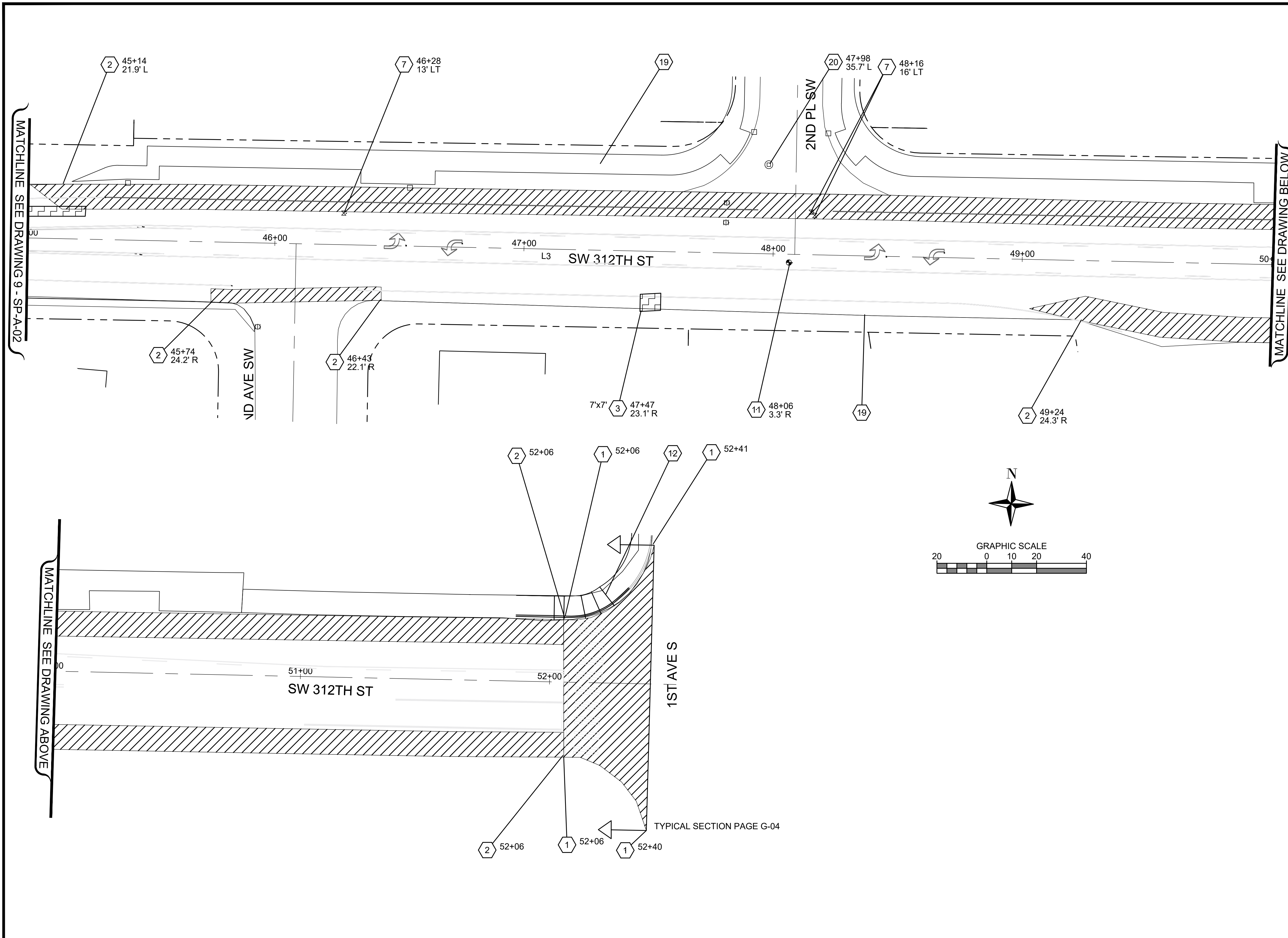
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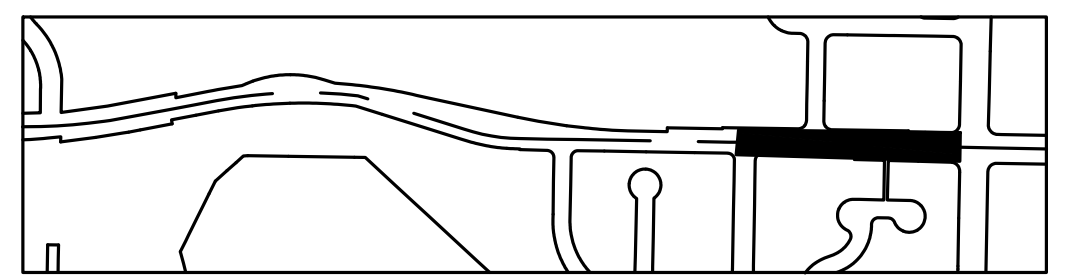
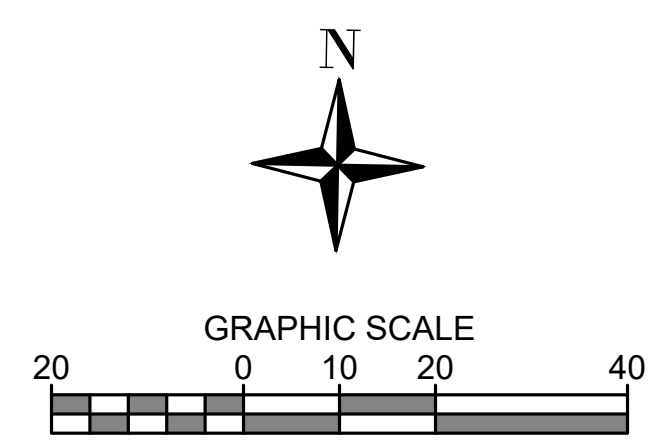
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STA: 35+00-45+00

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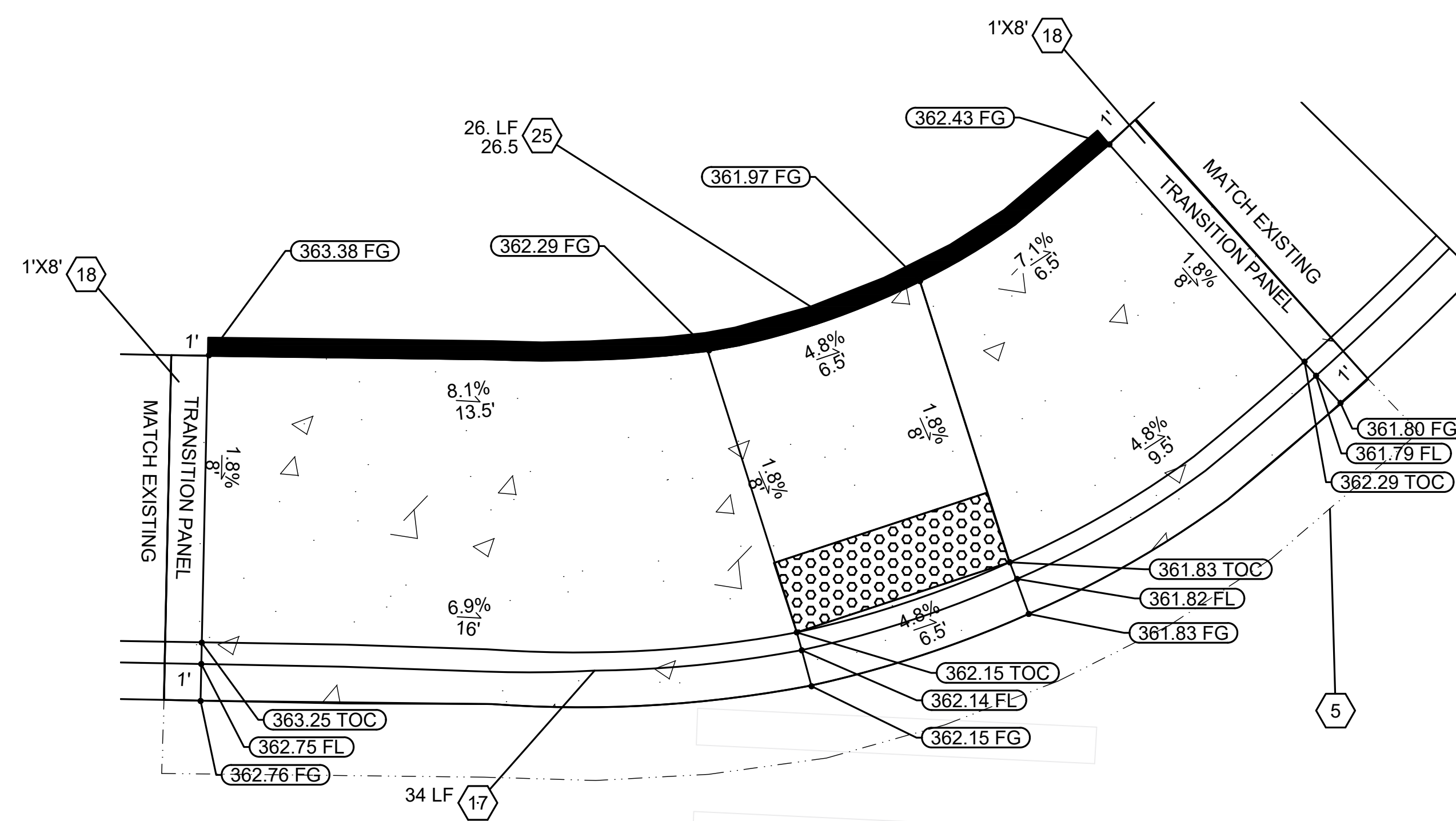
CHRISTINE J. MULLEN
 REGISTERED PROFESSIONAL ENGINEER
 11-Feb-2023

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 SP-A-03
 STA: 45+00 - 54+75

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1 PROPOSED RAMP, 52+17, 28.6' L
SCALE: 1"=3'

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
- SEE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STD PLAN F-10.12-03 FOR DEPRESSED CURB SECTION AND CEMENT CONCRETE PEDESTRIAN CURB DETAILS. SEE CFW STD DET 3-4 FOR CURB AND GUTTER AND CEMENT CONCRETE BARRIER CURB DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.
- CEMENT CONCRETE PEDESTRIAN CURB AT CURB RAMPS IS INCIDENTAL TO CURB RAMP BID ITEM(S).

60% DESIGN

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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

Christine Mullen
11-Feb-2023

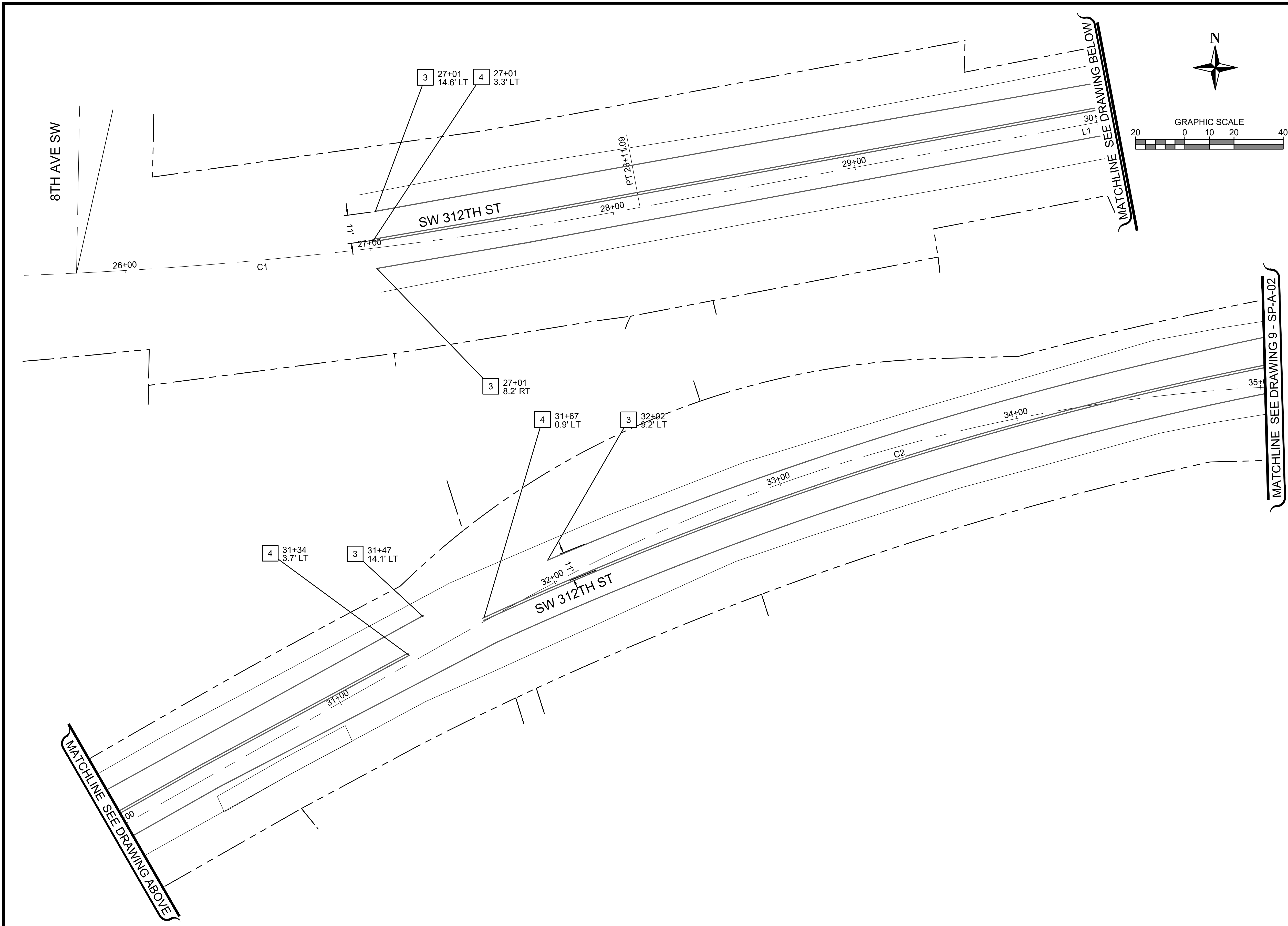
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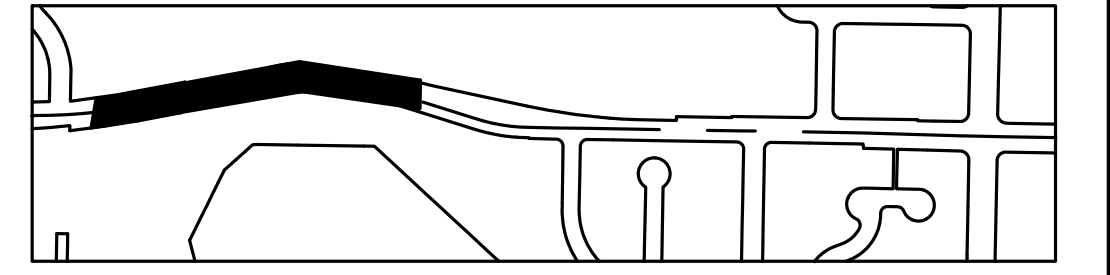
CR-A-01
RAMP-1

CITY PROJECT #
12523

SHT. 11
OF 98



X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PLASTIC EDGE LINE (MATERIAL TYPE D)
4	PROFILED PLASTIC DOUBLE YELLOW CENTERLINE (MATERIAL TYPE D)
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER WSDOT STD. PLAN M-24.60-04 (MATERIAL TYPE A). INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)



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PM-A-01
STA: 25+00 - 35+00 (CHAN)

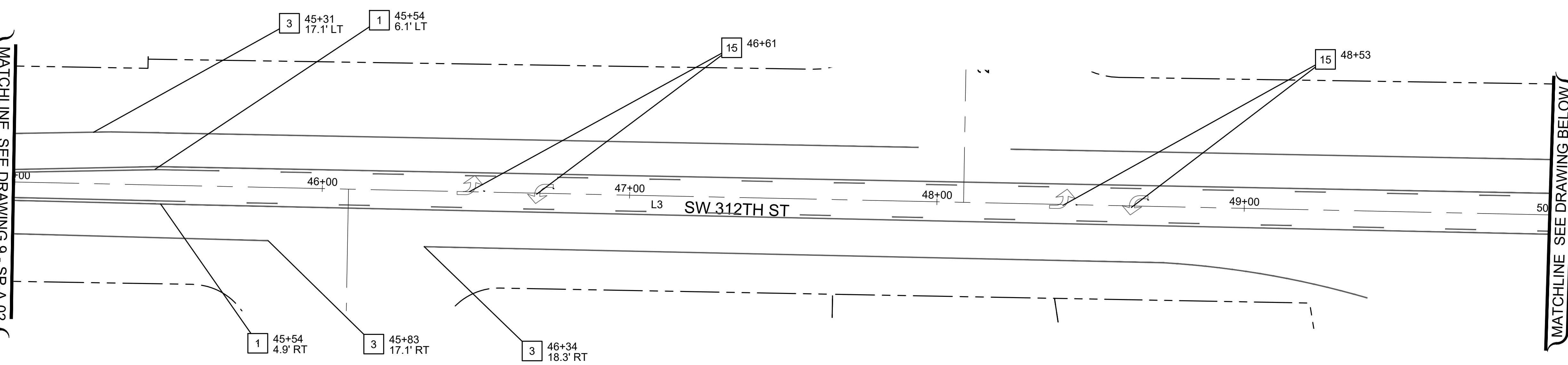
CITY PROJECT #
12523
SHT. 12
OF 98

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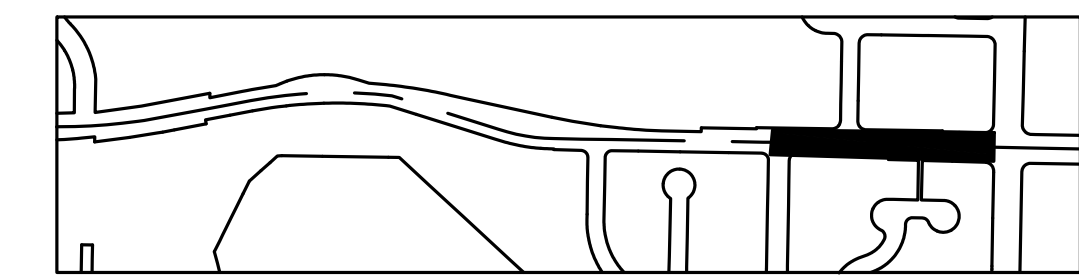
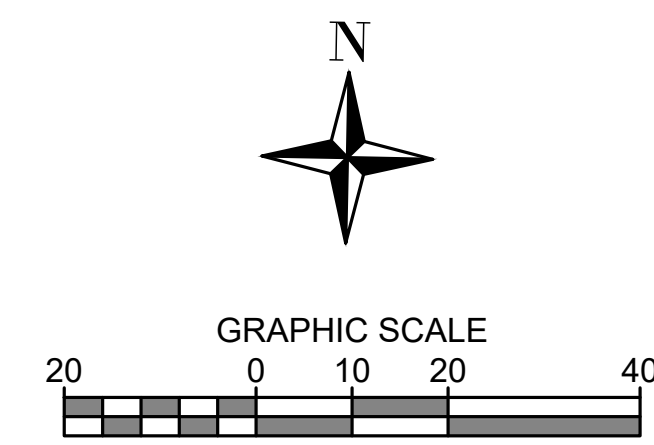
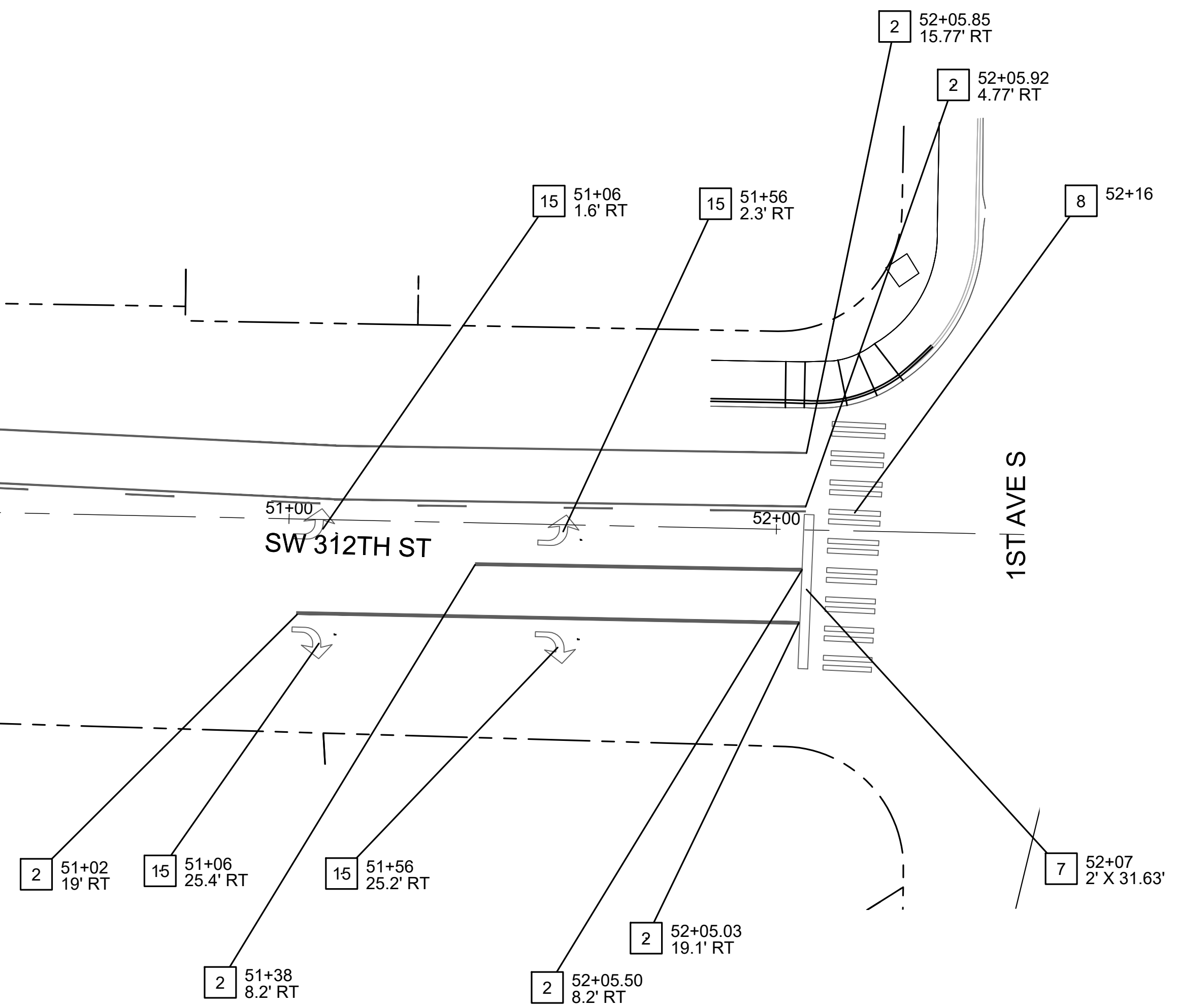
X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PLASTIC EDGE LINE (MATERIAL TYPE D)
4	PROFILED PLASTIC DOUBLE YELLOW CENTERLINE (MATERIAL TYPE D)
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
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18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24-40-02 (MATERIAL TYPE A)

MATCHLINE SEE DRAWING 9 - SP-A-02

MATCHLINE SEE DRAWING BELOW



MATCHLINE SEE DRAWING ABOVE



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

Christine Mullen
11-Feb-2023

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NO.	DATE	REVISION

2023 OVERLAY PROJECT

PM-A-03
45+00 - 53+00

CITY PROJECT #
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SHT. **14**
OF **98**

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B1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L1	55+00.00	83+23.51	N/A	N/A	2823.51'	S88° 52' 23.12"E	122596.75'	1265901.72'	122541.22'	1268724.68'

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11
 VERTICAL DATUM: NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS
 OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK)



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CHRISTINE J. MULLEN
 REGISTERED PROFESSIONAL ENGINEER
 11-Feb-2023

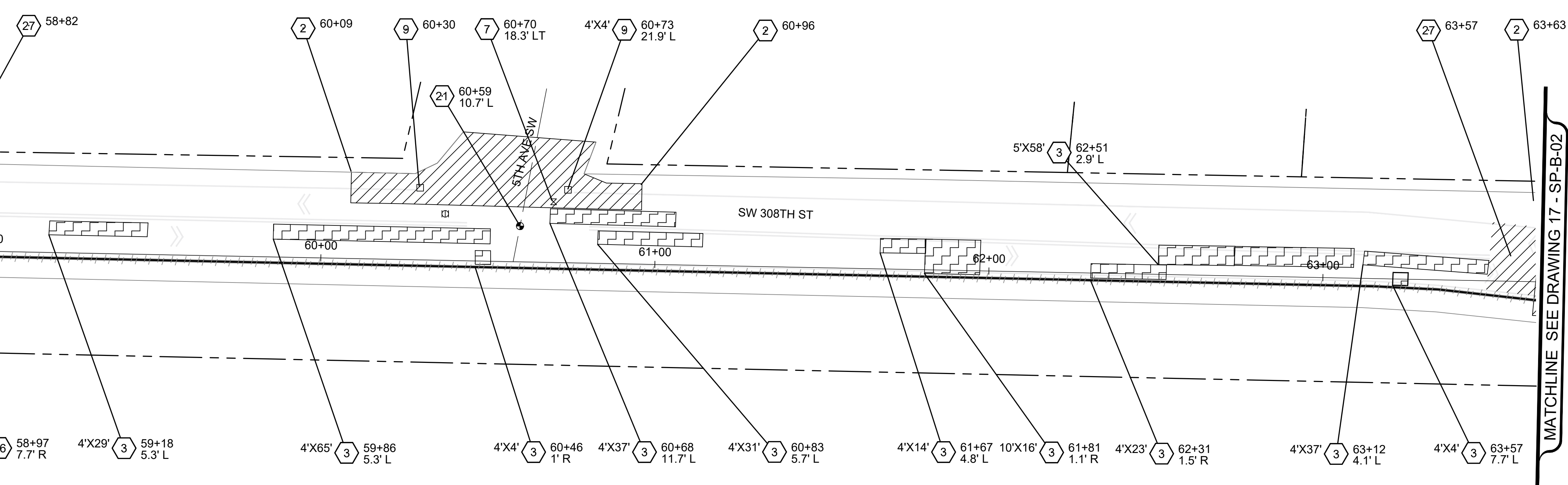
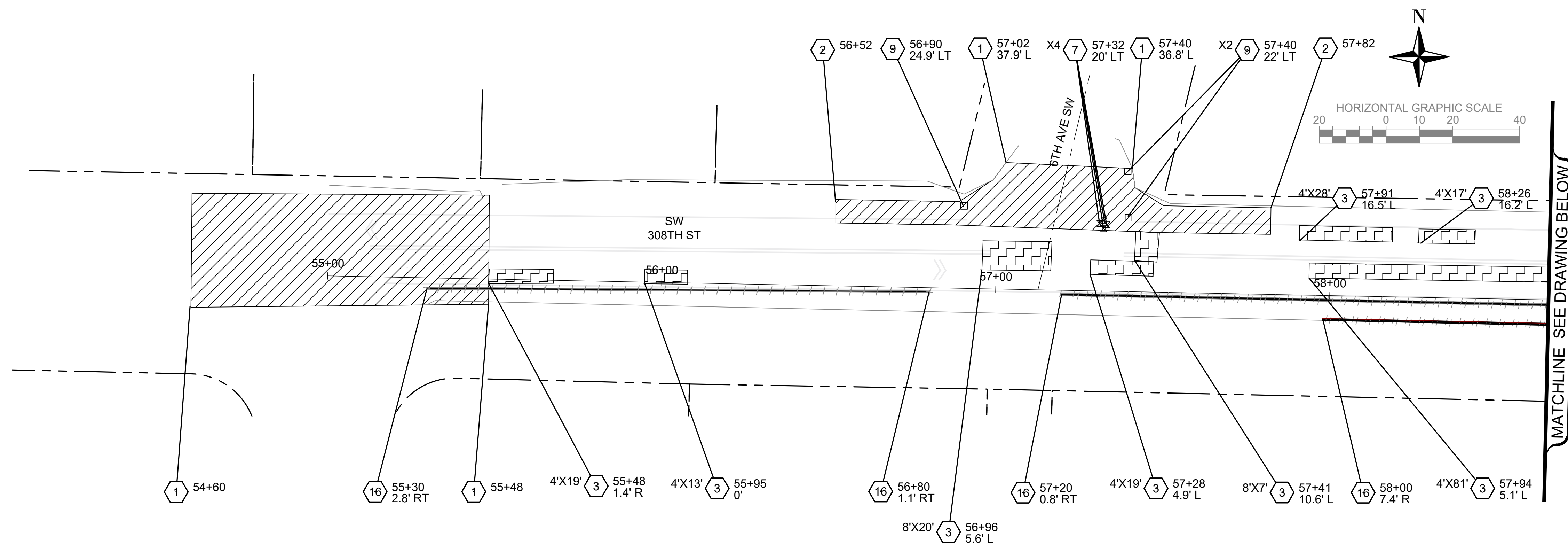
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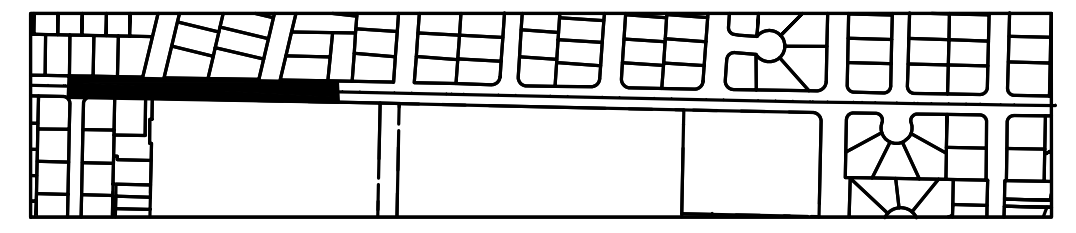
SC-B-01
 SURV.CONT. & KEY

CITY PROJECT #:
 12523
 SH. 15
 OF 98

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11-Feb-2023

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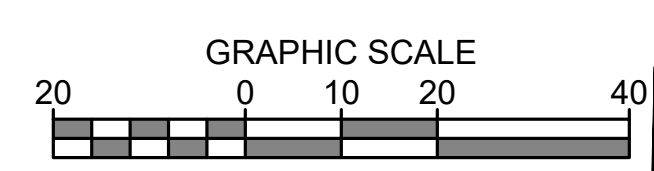
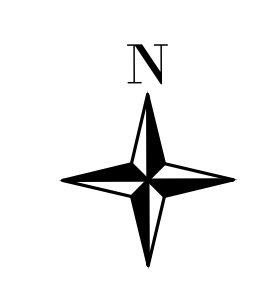
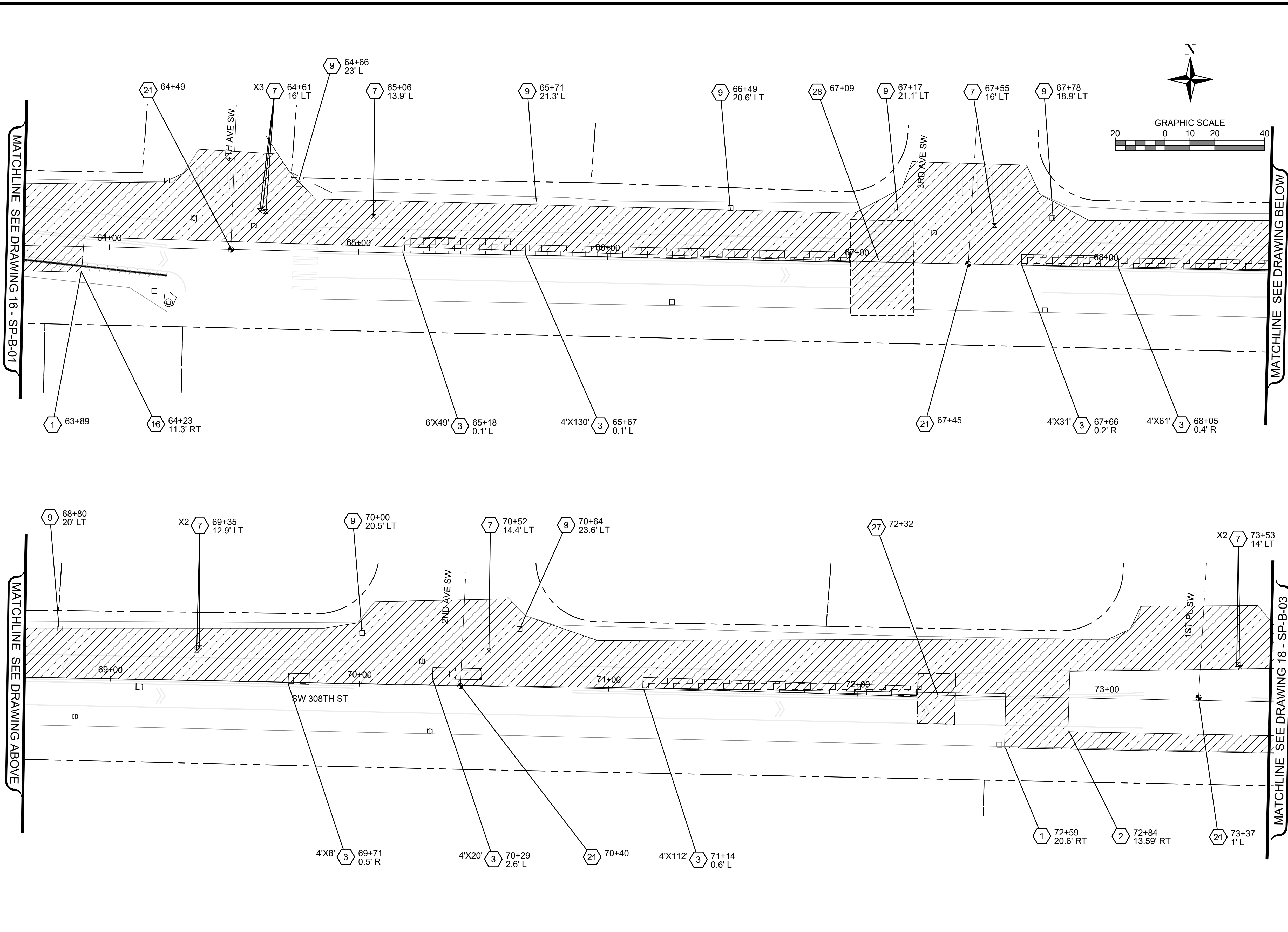
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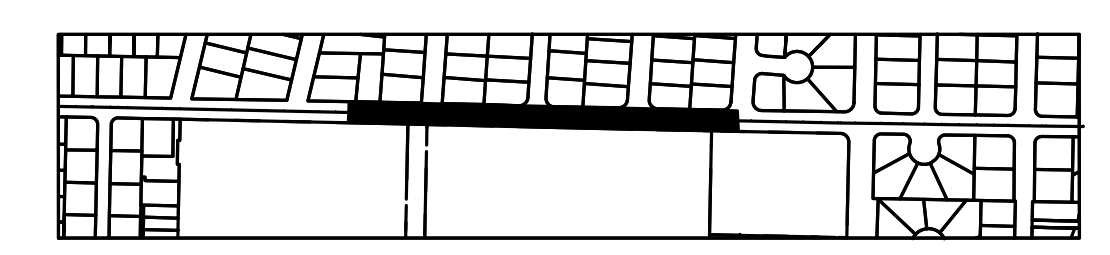
SP-B-01
STA: 55+00 - 63+63

CITY PROJECT #
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SHT. 16
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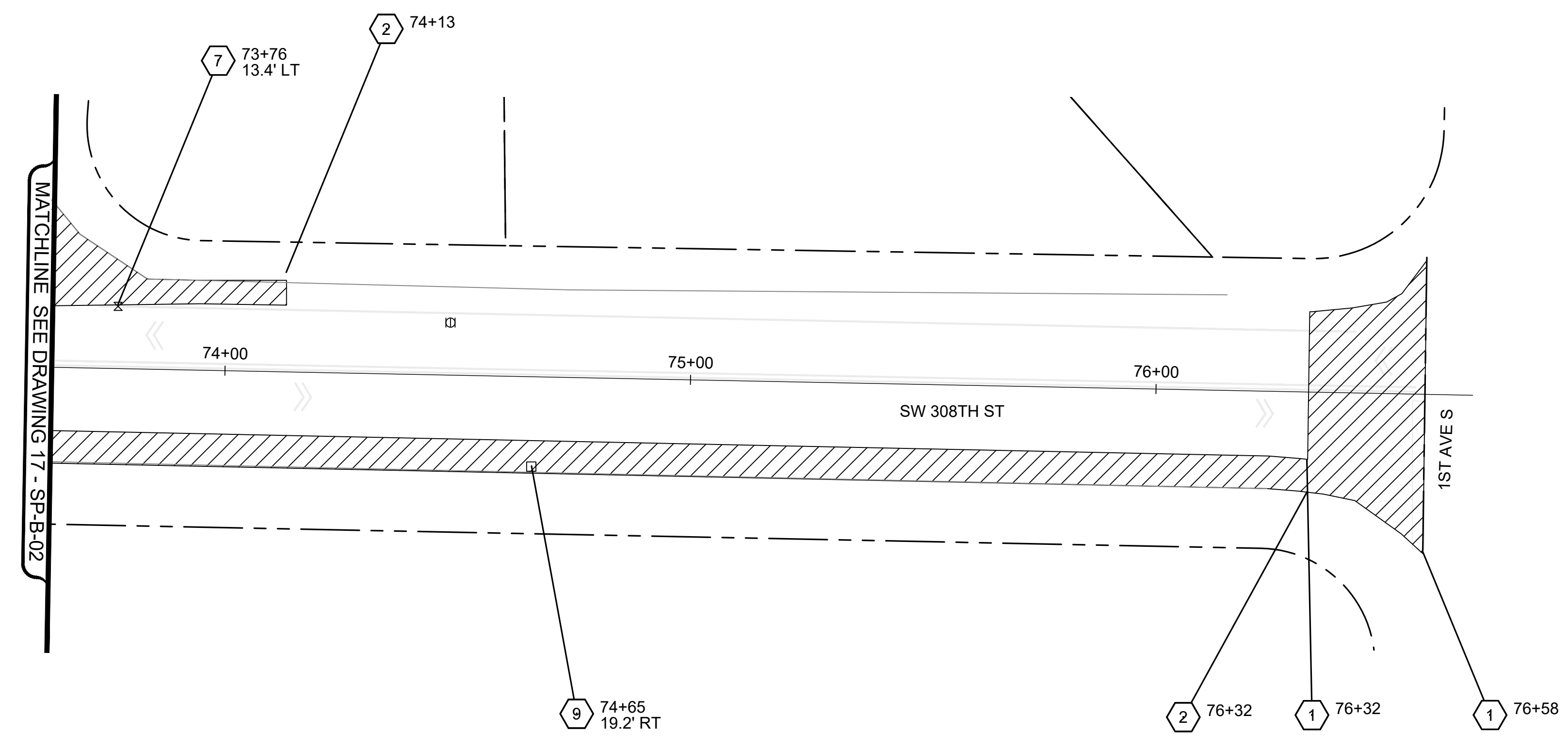
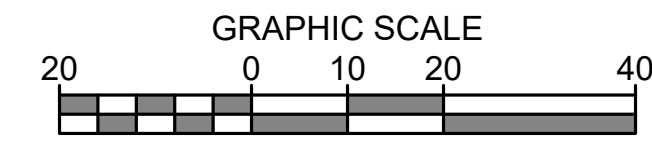
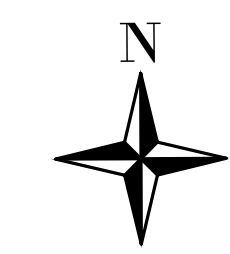
CHRISTINE J. MULLEN
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11-Feb-2023

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NO.	DATE	REVISION

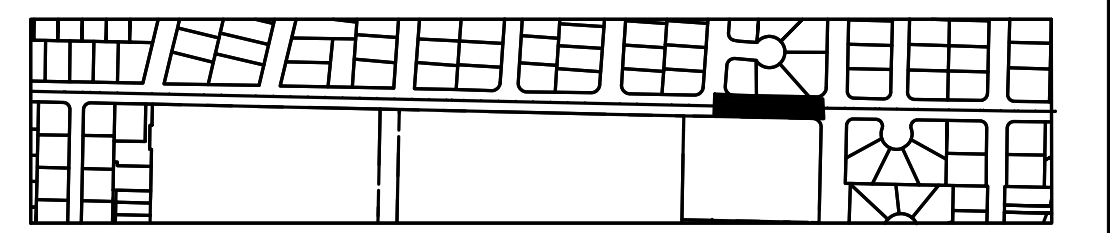
2023 OVERLAY PROJECT
SP-B-02
STA: 63+63-73+75

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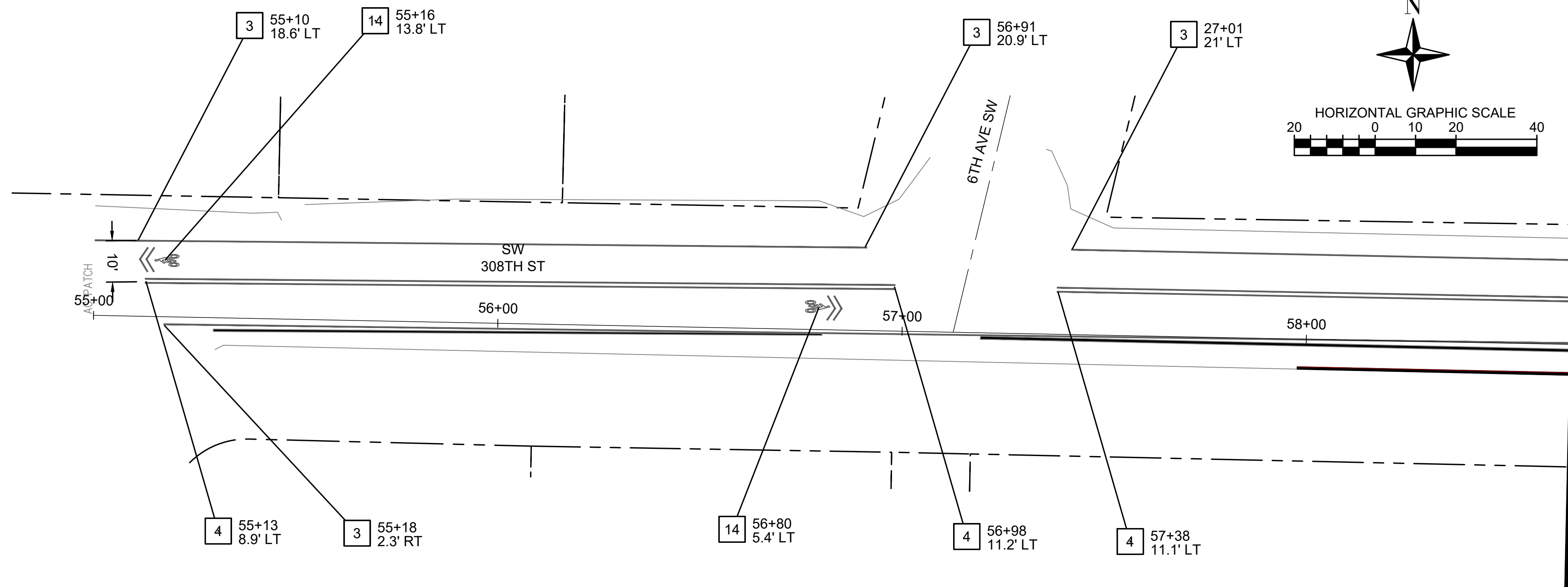
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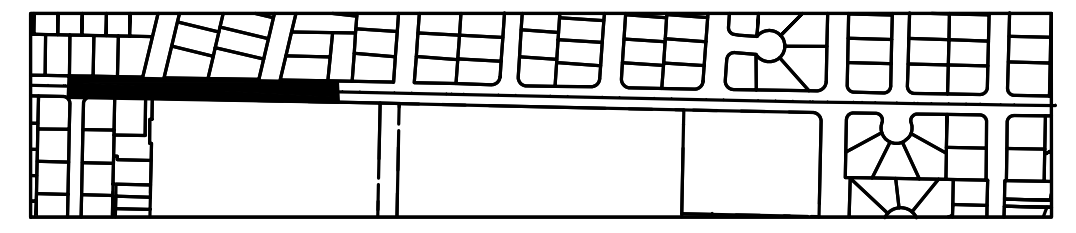
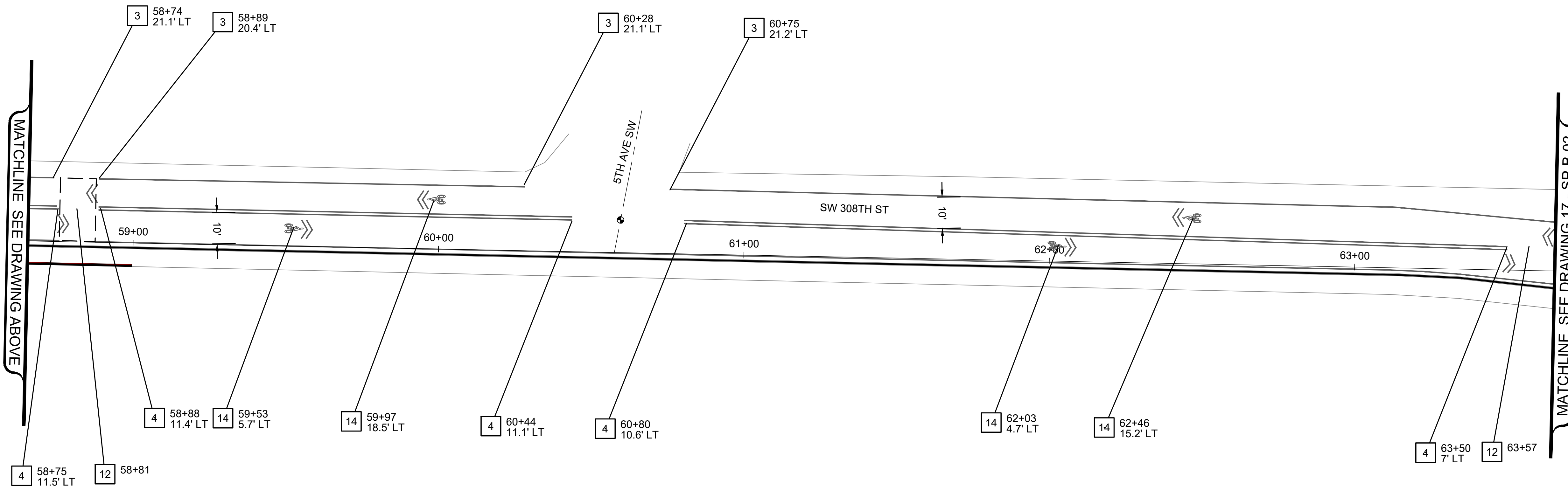
SP-B-03
STA: 73+75 - 76+67

CITY PROJECT #:
12523

SHT. 18
OF 98



X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
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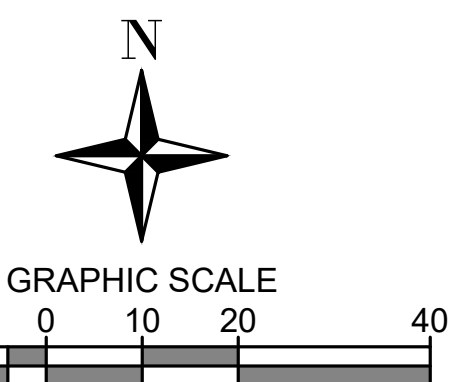
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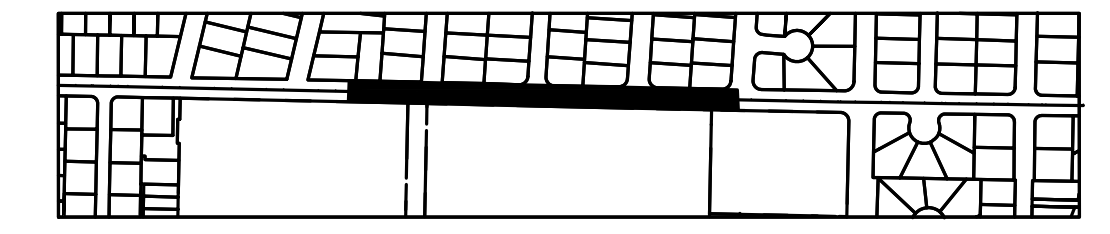
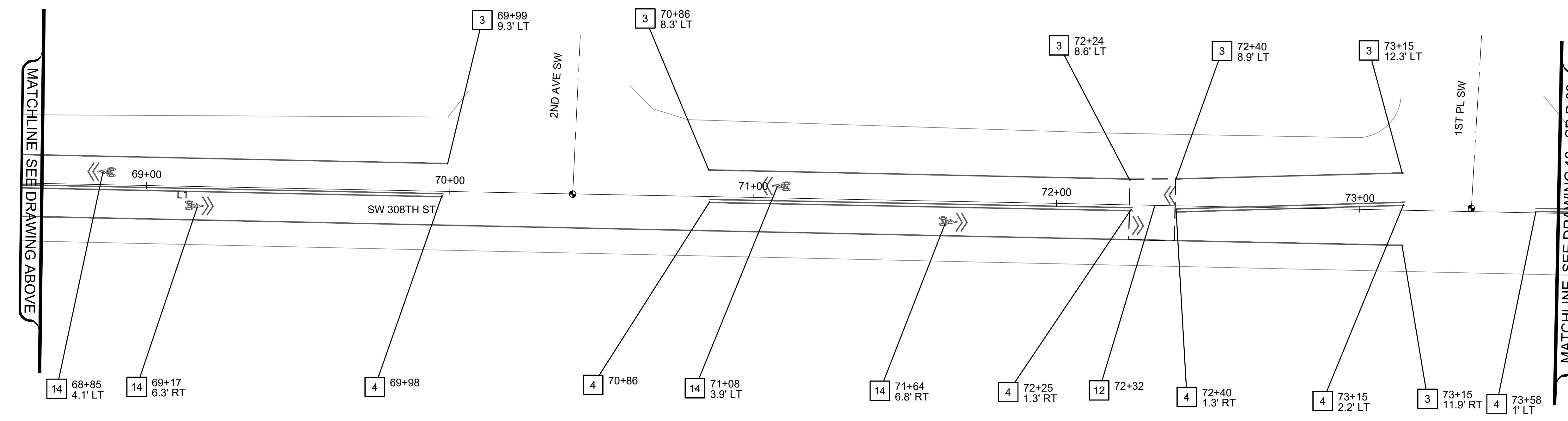
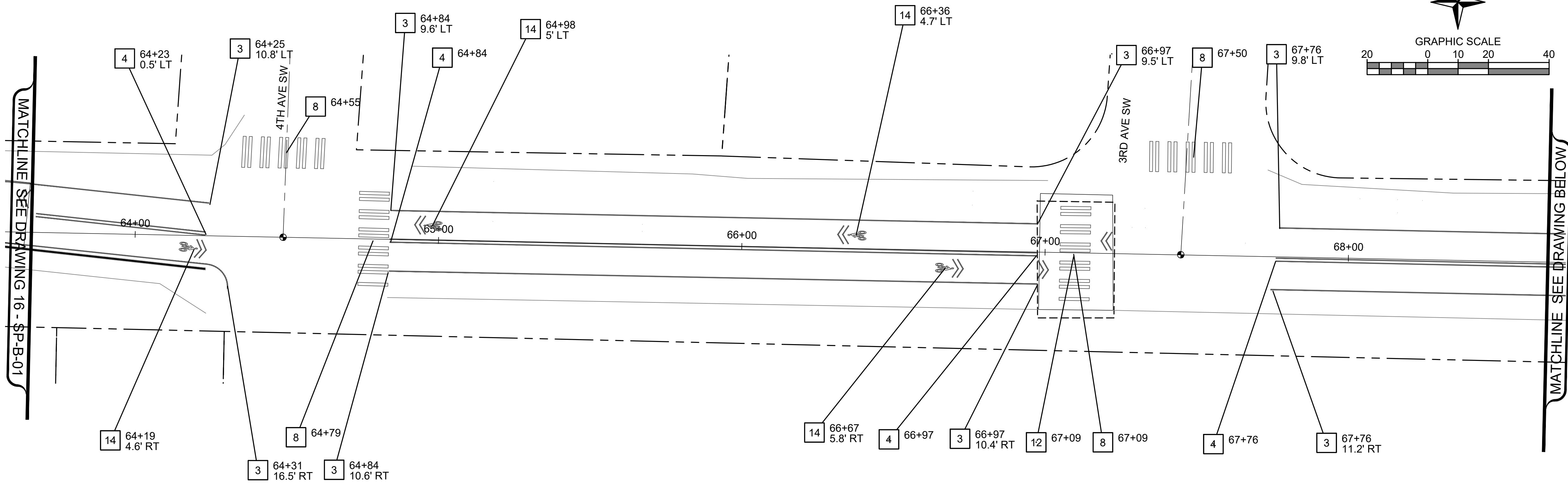
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STA: 55+00 - 65+00 (CHAN)

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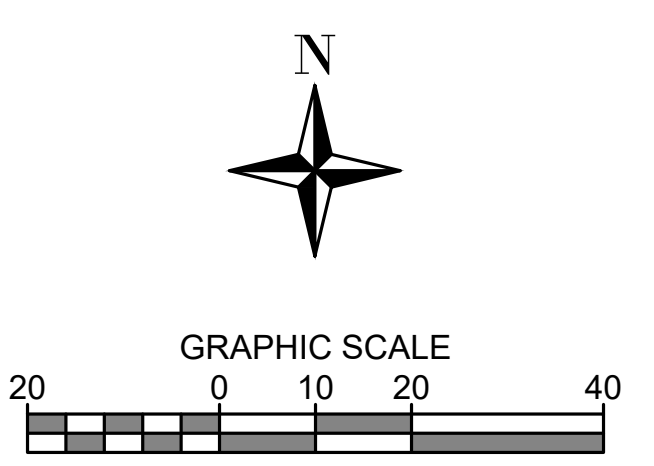
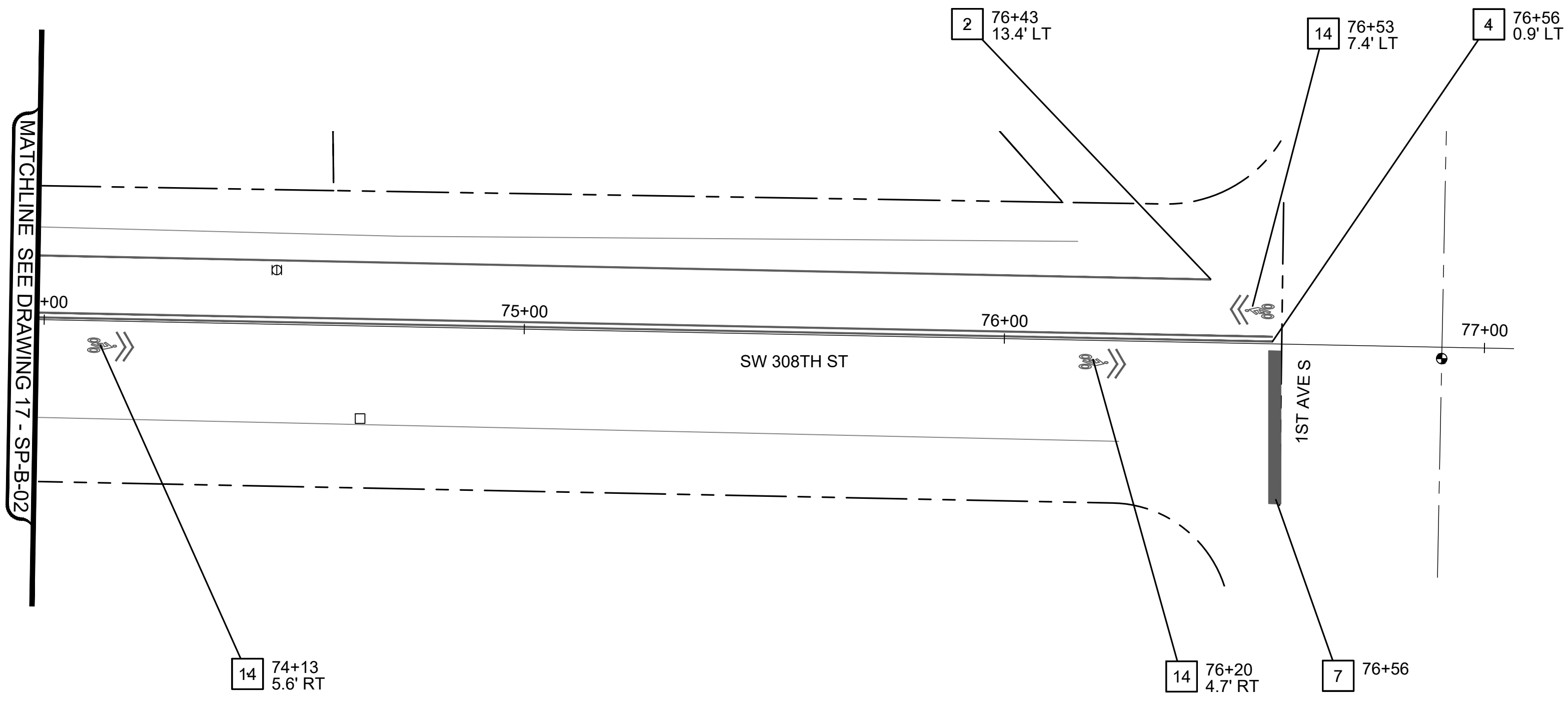
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PM-B-2

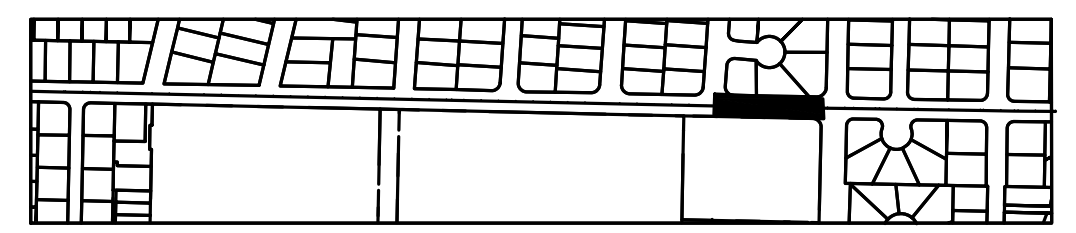
STA: 65+00 - 75+00 (CHAN)

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18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

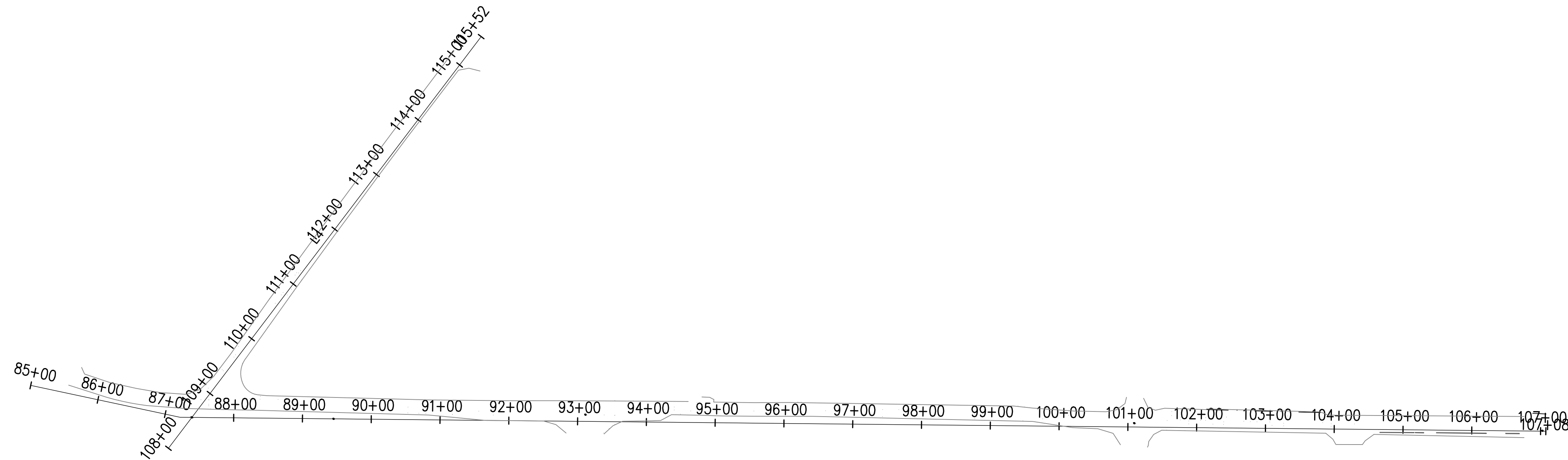
2023 OVERLAY PROJECT
PM-B-3
STA: 75+00 - 83+25 (CHAN)

CITY PROJECT #:
12523
SHT. 21
OF 98

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C1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L2	85+00.00	87+21.89	N/A	N/A	221.89'	S77° 56' 34.61"E	122663.42'	1263699.03'	122617.07'	1263916.03'
L3	87+21.89	107+07.68	N/A	N/A	1985.79'	S89° 24' 49.68"E	122617.07'	1263916.03'	122596.75'	1265901.72'

C2										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L4	108+00.00	115+51.79	N/A	N/A	751.79'	N37° 12' 41.63"E	122571.99'	1263899.27'	123170.72'	1264353.92'



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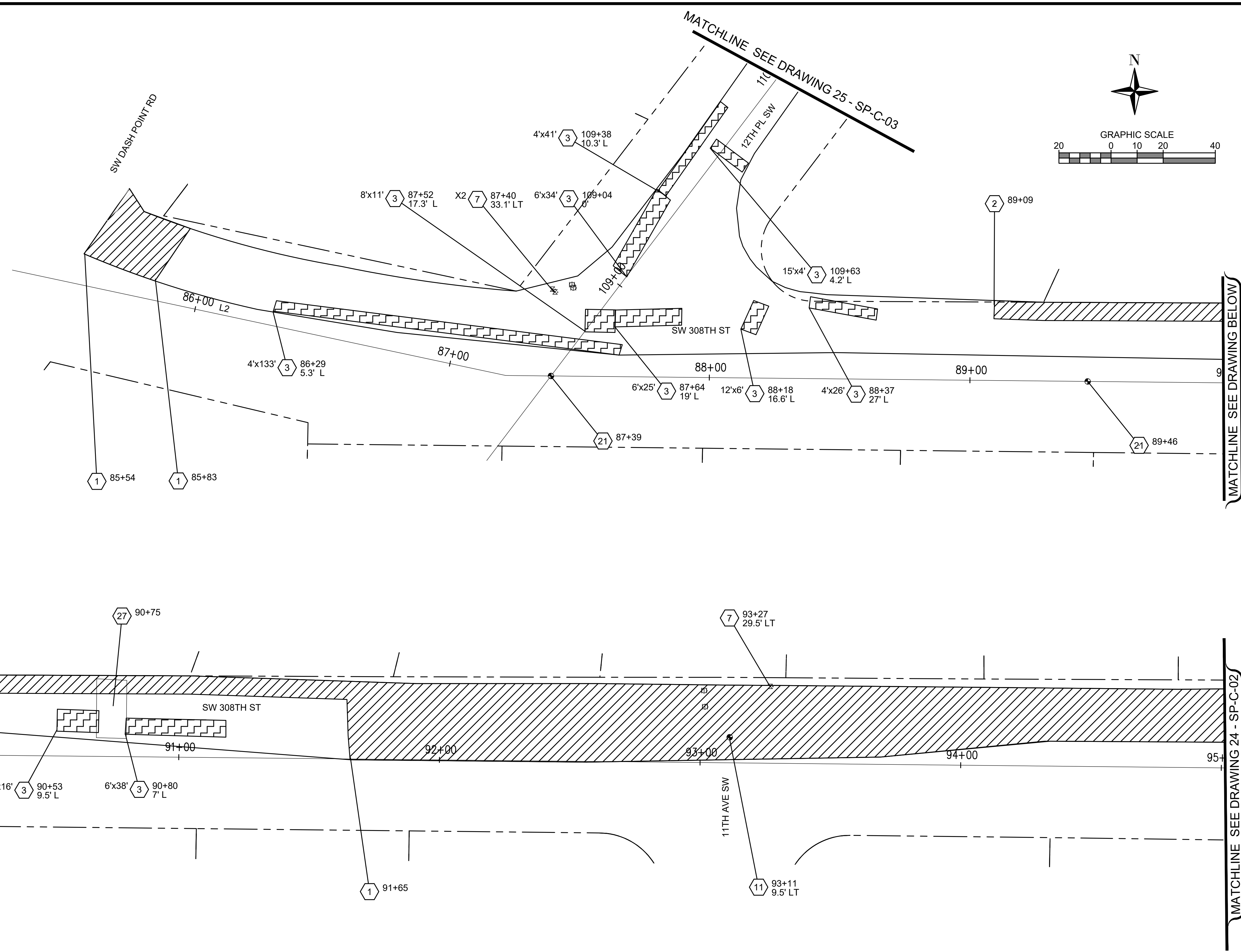
NO.	DATE	REVISION

2023 OVERLAY PROJECT

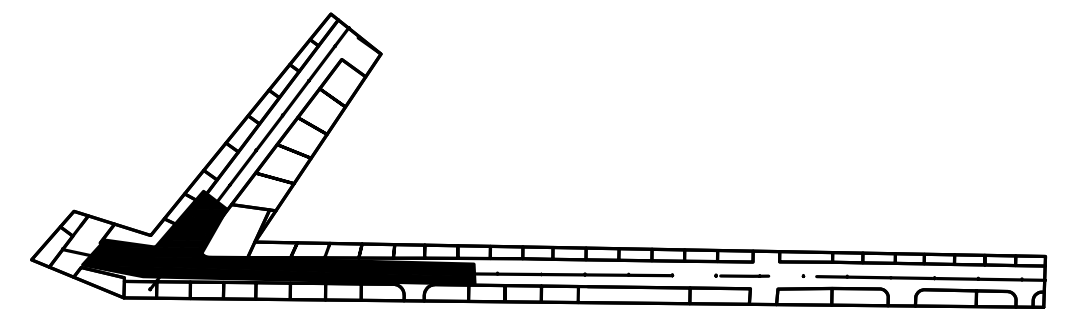
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CITY PROJECT #
12523

SHT. 22
OF 98



(X)	OVERLAY CONSTRUCTION NOTES:
1	BUTT JOINT AT STATION OR LOCATION INDICATED. 1.5IN. AT MATCH LINE AND TRANSITION TO 0 IN. AT DISTANCE DIRECTED BY ENGINEER
2	PLANE WIDTH AS INDICATED ON "PLANING WIDTH AT CURB AND GUTTER", FULL DEPTH AT FACE OF GUTTER
3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	MOUNTABLE CEMENT CONC. CURB, PER CFW STD. DETAIL 3-04. REMOVAL PAID UNDER ROADWAY EXCAVATION.
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3' WIDE MAX. BY OVERLAY DEPTH
20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	INSTALL MONUMENT CASE, COVER, AND PIPE
22	DETECTOR LOOPS, PER CFW STD. DETAIL 3-44
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL
27	REMOVAL AND REPLACEMENT OF SPEED HUMP, COMPLETE PER CFW DETAIL 3-26



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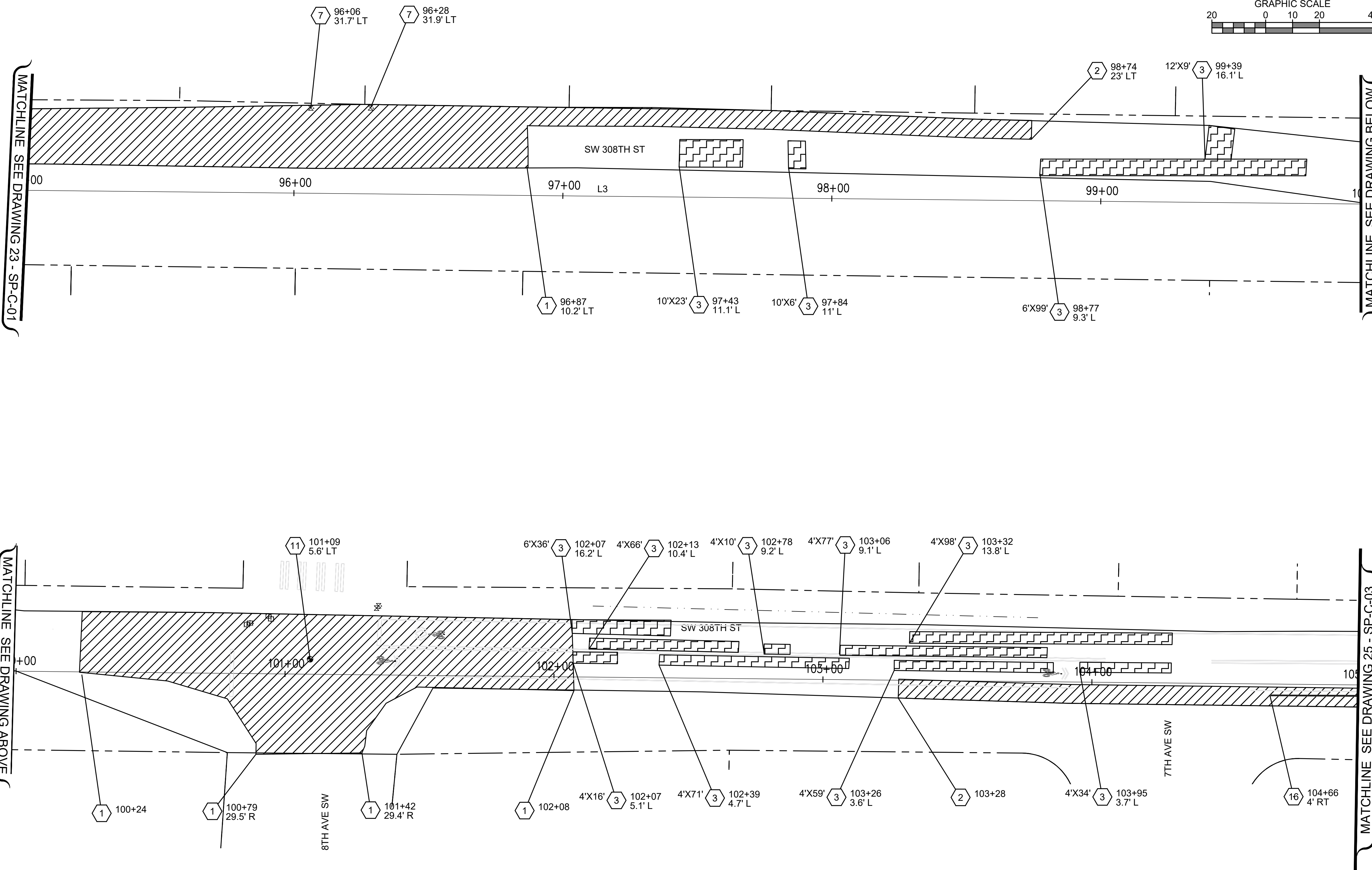
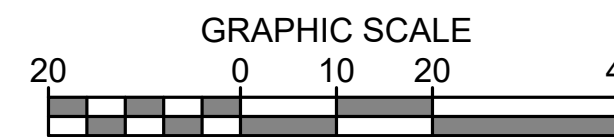
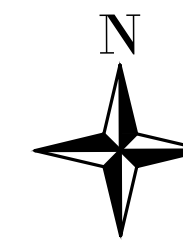
2023 OVERLAY PROJECT

SP-C-01
STA: 85+00-95+00

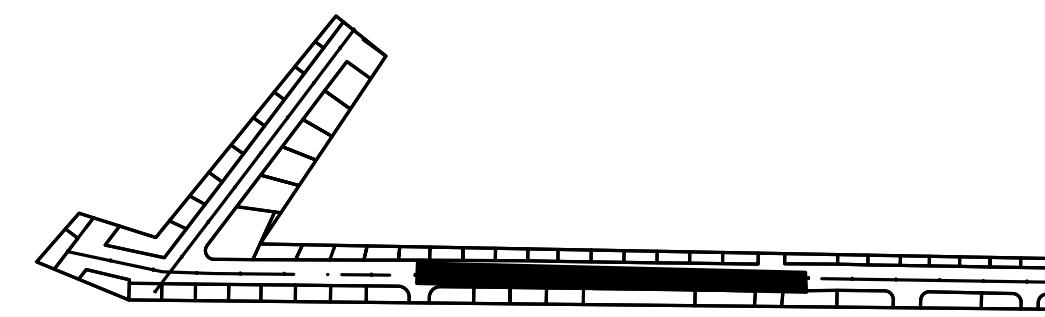
CITY PROJECT #
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OF 98

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REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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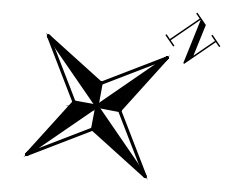
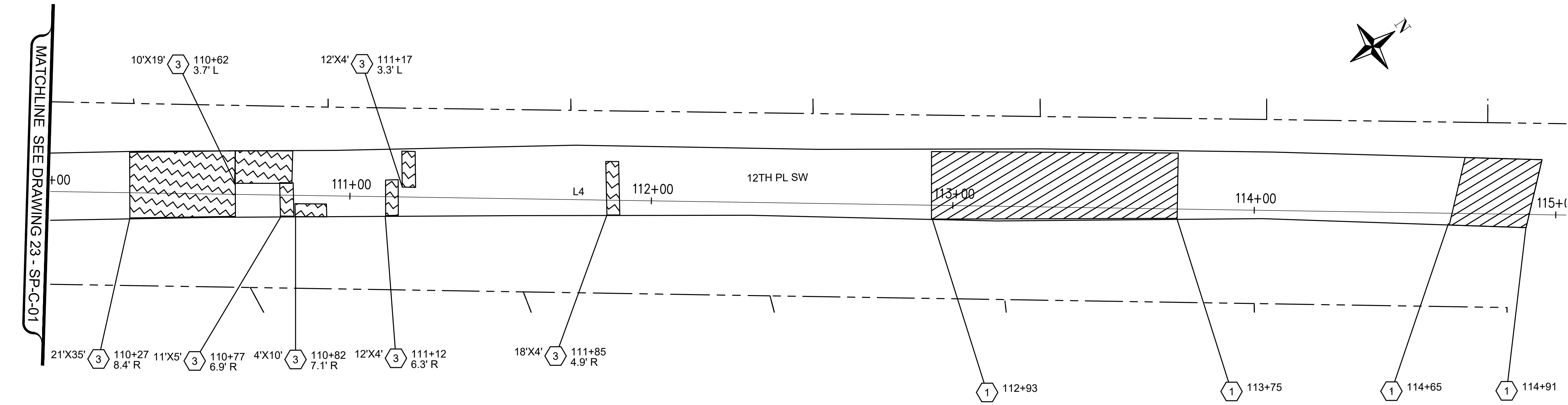
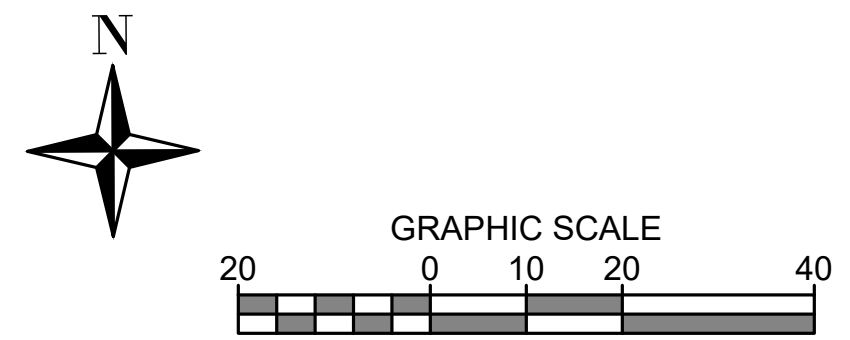
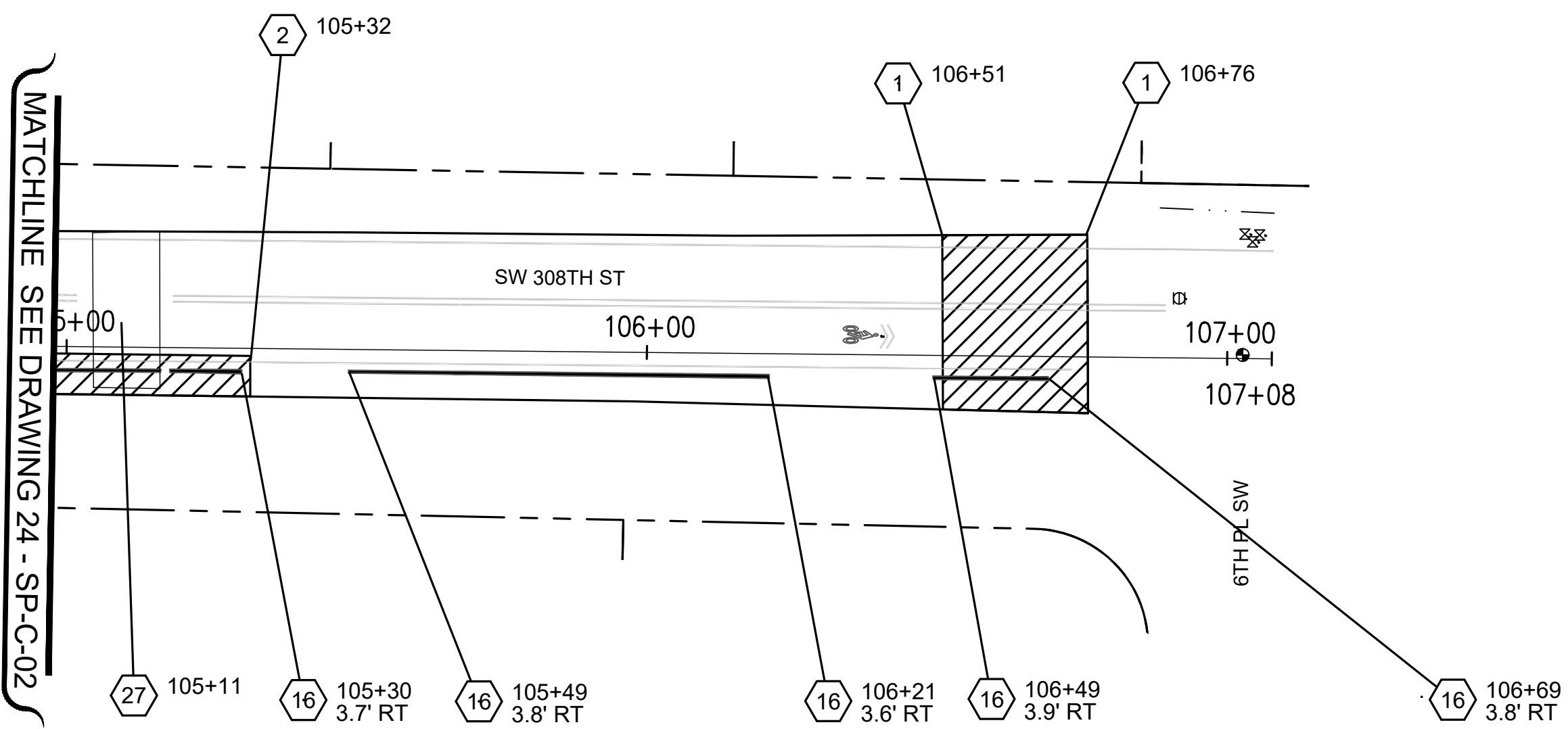
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SP-C-02
STA: 95+00-105+00

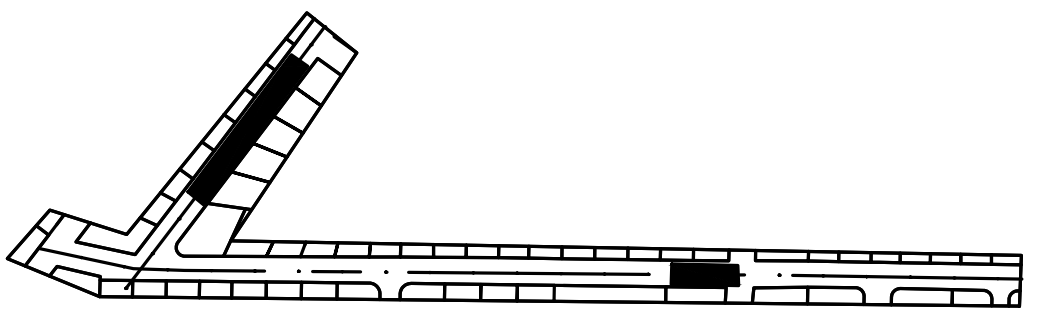
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APPROVED: D. WINKLER

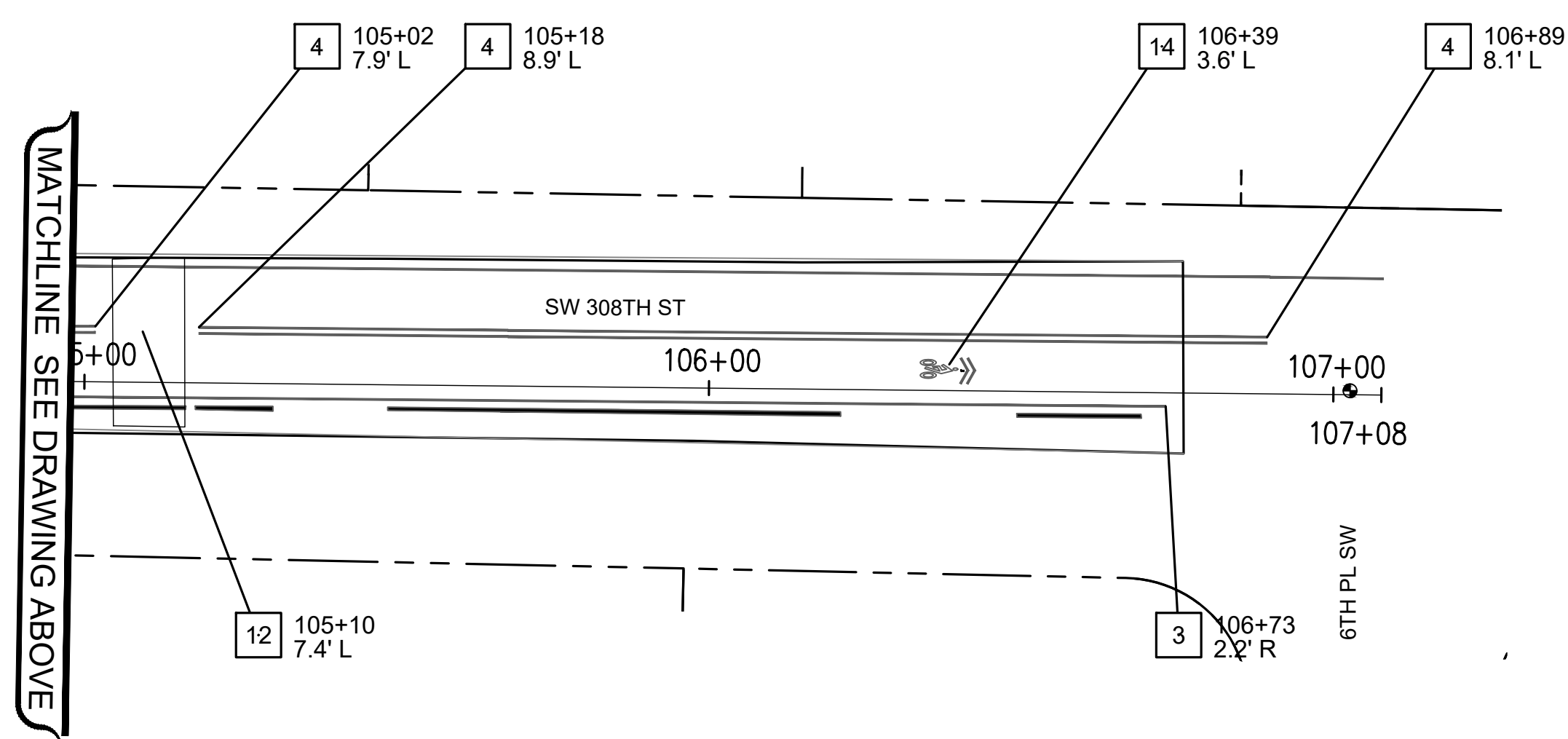
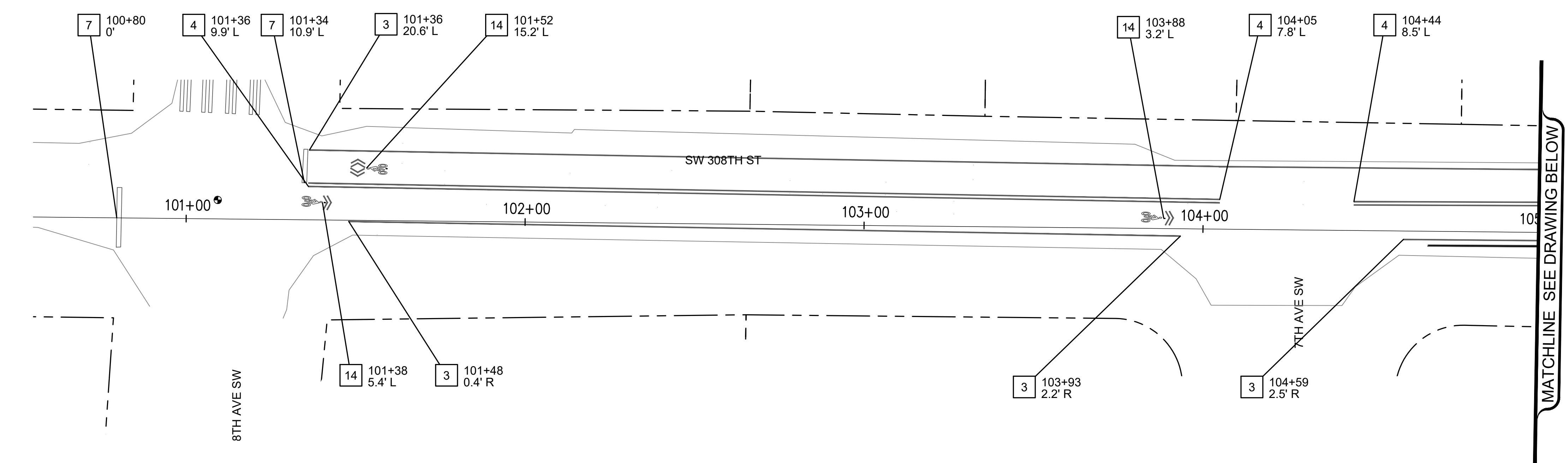
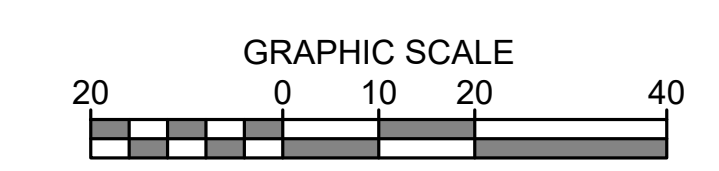
CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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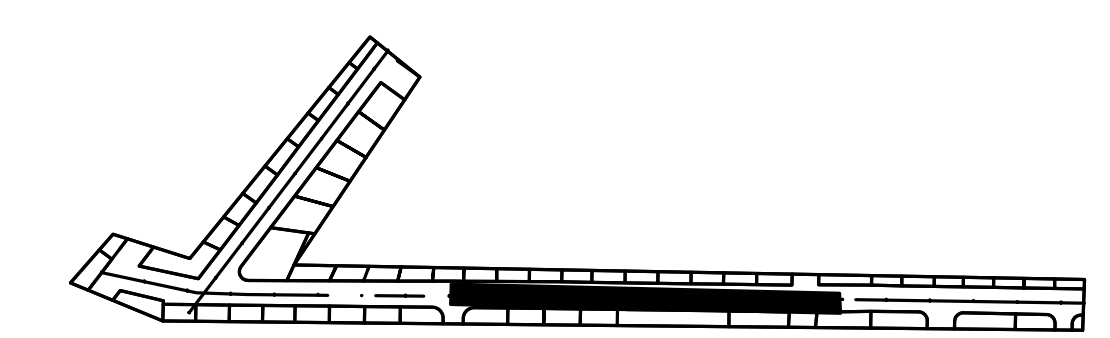
2023 OVERLAY PROJECT

SP-C-03
STA: 105+00-115+52

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CITY PROJECT #
12523
SHT. 25
OF 98



X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PAINTED EDGE LINE (MATERIAL TYPE D)
4	PAINTED DOUBLE YELLOW CENTERLINE
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER CFW DETAIL 3-26. INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)



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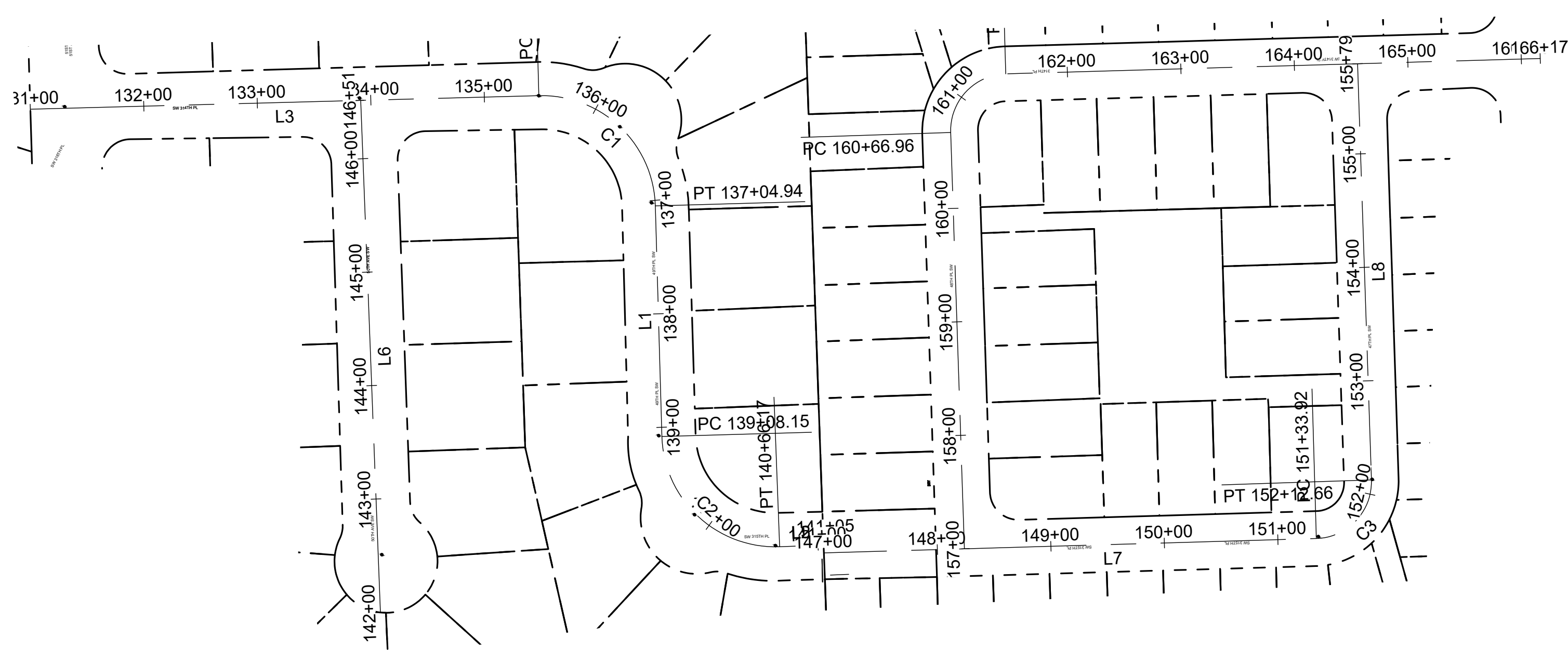
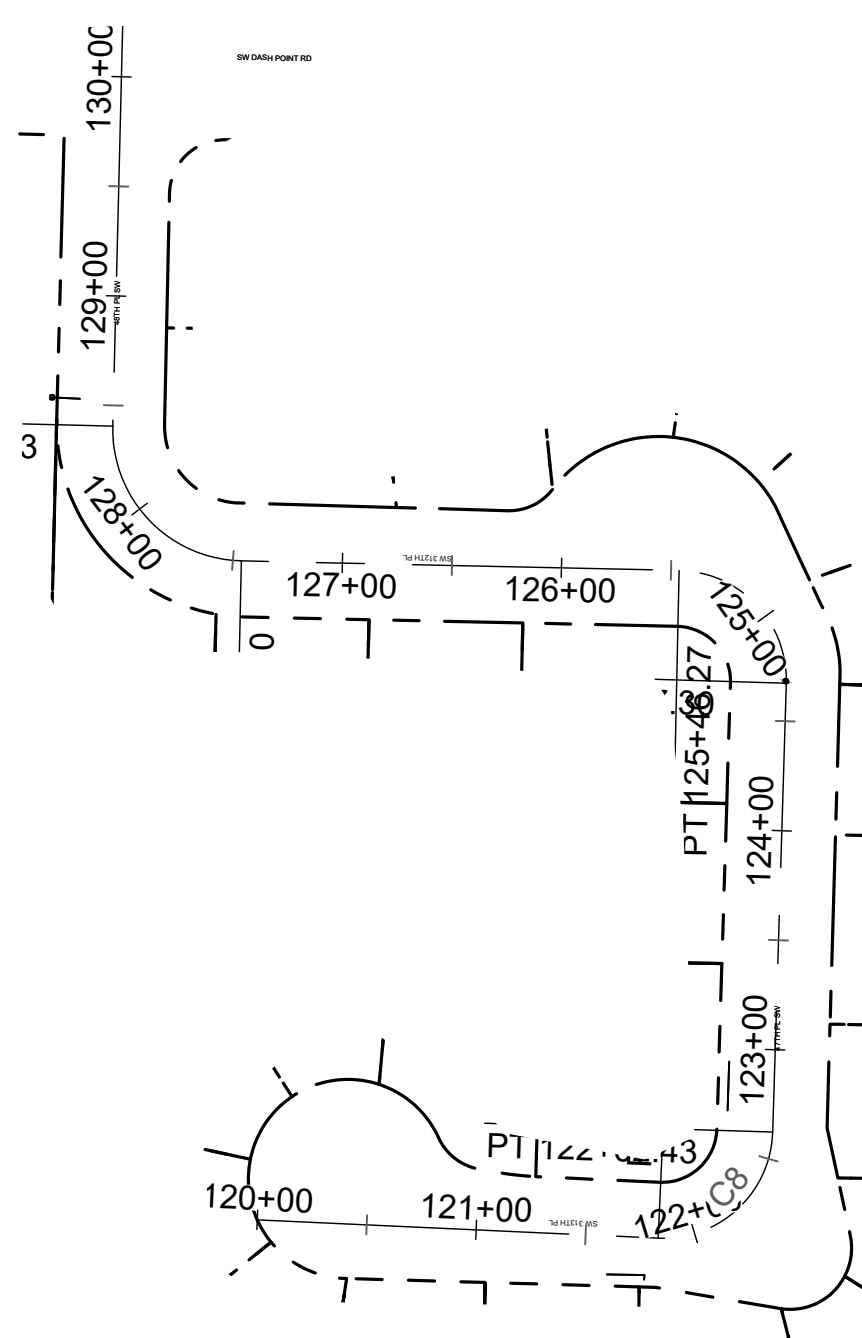
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PM-C-01.
STA: 100+00 - 107+00 (CHAN)

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OF 98

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D4										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C3	151+33.92	152+12.66	90.2313 (d)	50.00'	78.74'	N/A	120357.93'	1253416.44'	120406.73'	1253467.81'
L7	147+00.00	151+33.92	N/A	N/A	433.92'	S88° 24' 52.34"E	120369.93'	1252982.69'	120357.93'	1253416.44'
L8	152+12.66	155+79.47	N/A	N/A	366.81'	N1° 21' 15.11"E	120406.73'	1253467.81'	120773.43'	1253476.48'

D5										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C4	160+66.96	161+45.71	90.2420 (d)	50.00'	78.75'	N/A	120733.37'	1253115.19'	120782.15'	1253166.58'
L9	157+00.00	160+66.96	N/A	N/A	366.96'	N1° 22' 09.59"E	120366.51'	1253106.42'	120733.37'	1253115.19'
L10	161+45.71	166+16.67	N/A	N/A	470.96'	S88° 23' 19.24"E	120782.15'	1253166.58'	120768.91'	1253637.35'

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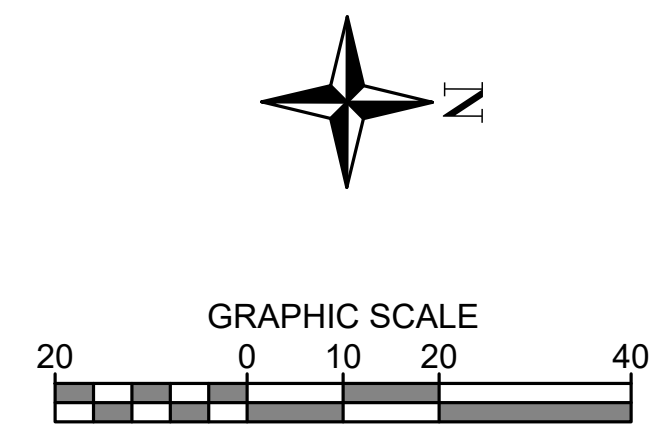
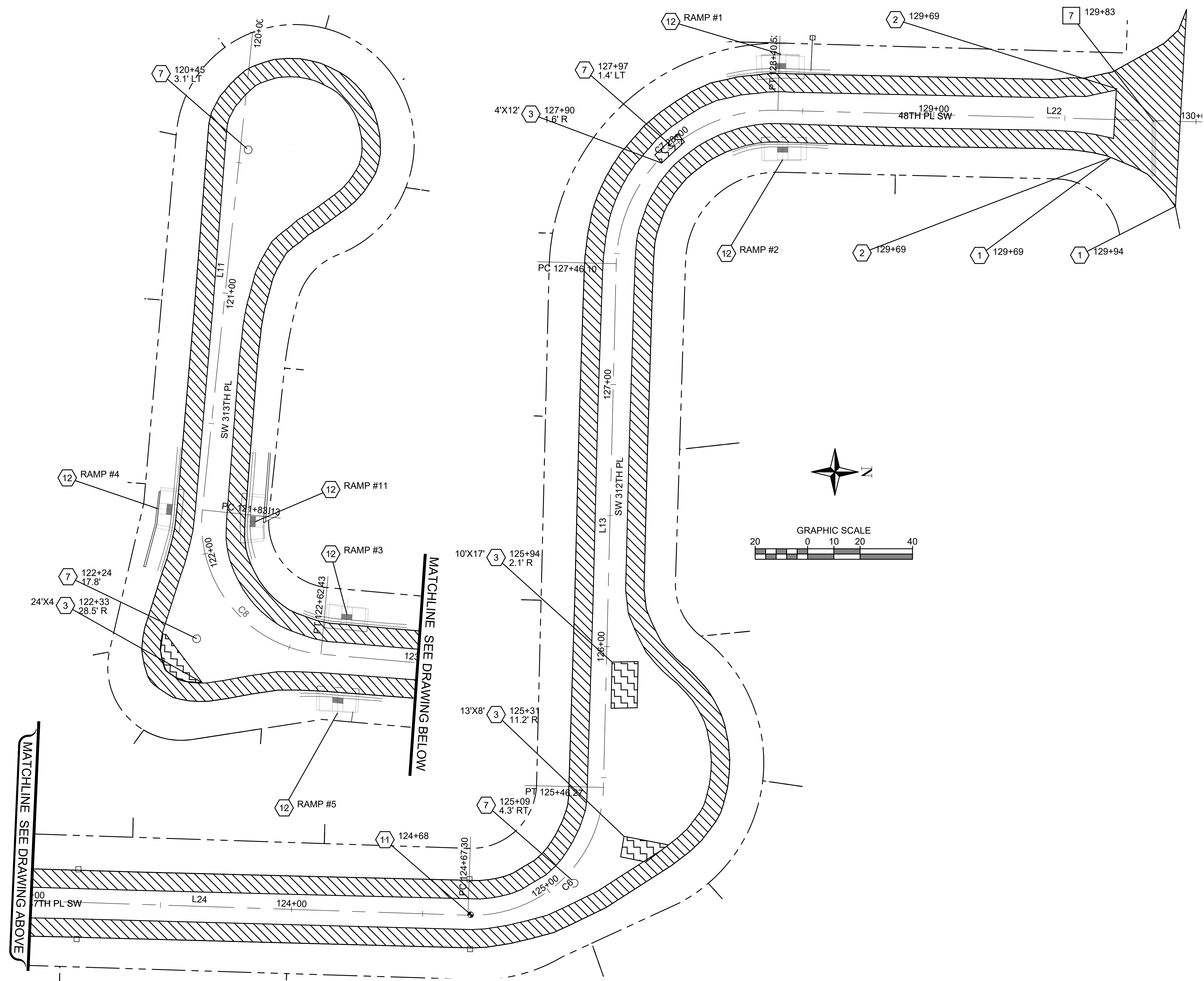


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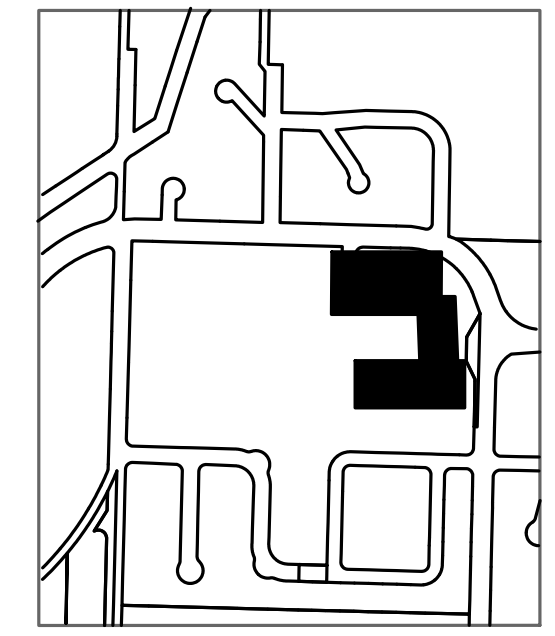
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SHT. 27
OF 98



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16	EXTRUDED CONC. CURB, PER CFW STD. DETAIL 3-04A
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22	QUARRY SPALLS INCLUDING PLACEMENT
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL
27	TREE REMOVAL



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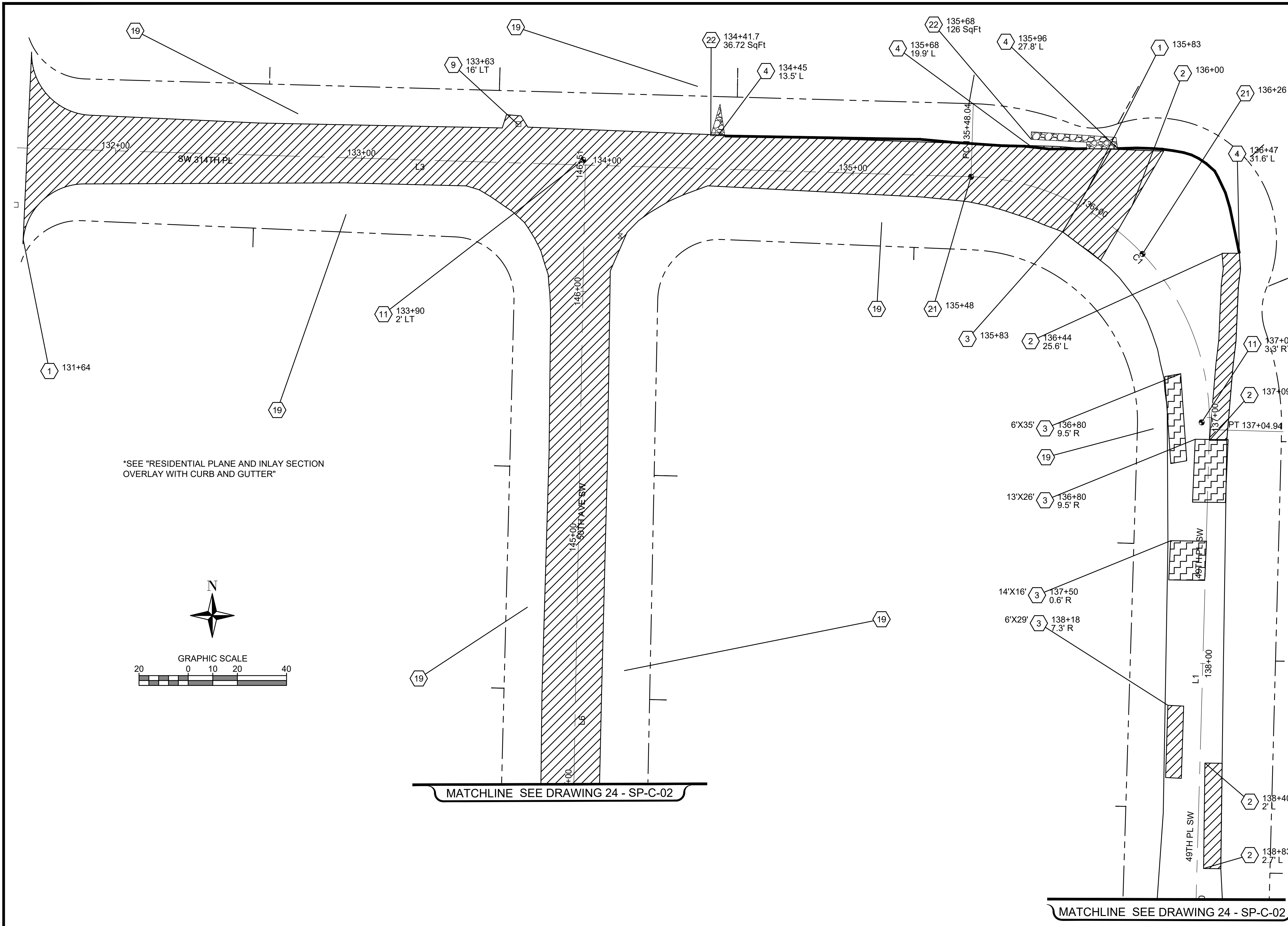
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SP-D-01
STA: 120+00 - 125+00

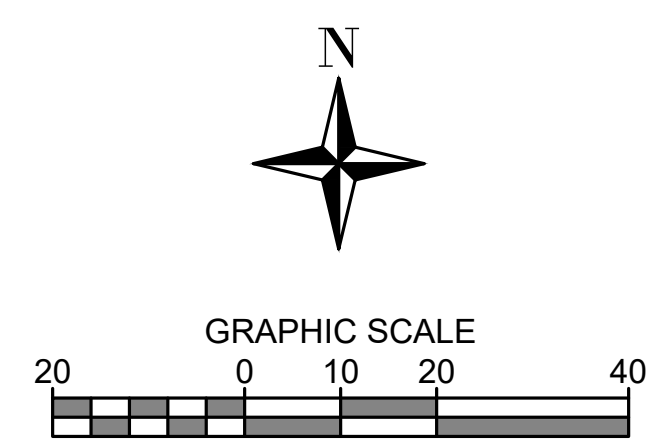
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OF **98**

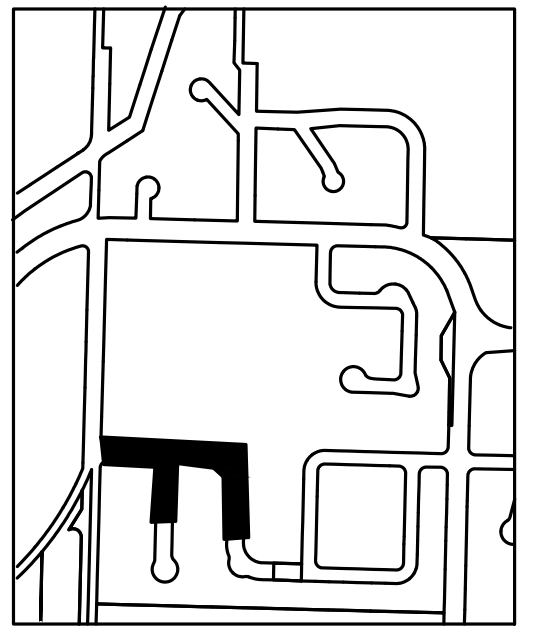
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*SEE "RESIDENTIAL PLANE AND INLAY SECTION OVERLAY WITH CURB AND GUTTER"



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2	PLANE WIDTH AS INDICATED ON "PLANING WIDTH AT CURB AND GUTTER", FULL DEPTH AT FACE OF GUTTER
3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	EXTRUDED CONC. CURB, PER CFW STD. DETAIL 3-04A
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3" WIDE MAX. BY OVERLAY DEPTH
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23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL
27	TREE REMOVAL



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

SP-D-02
STA: 125+00 - 136+00

CITY PROJECT #
12523

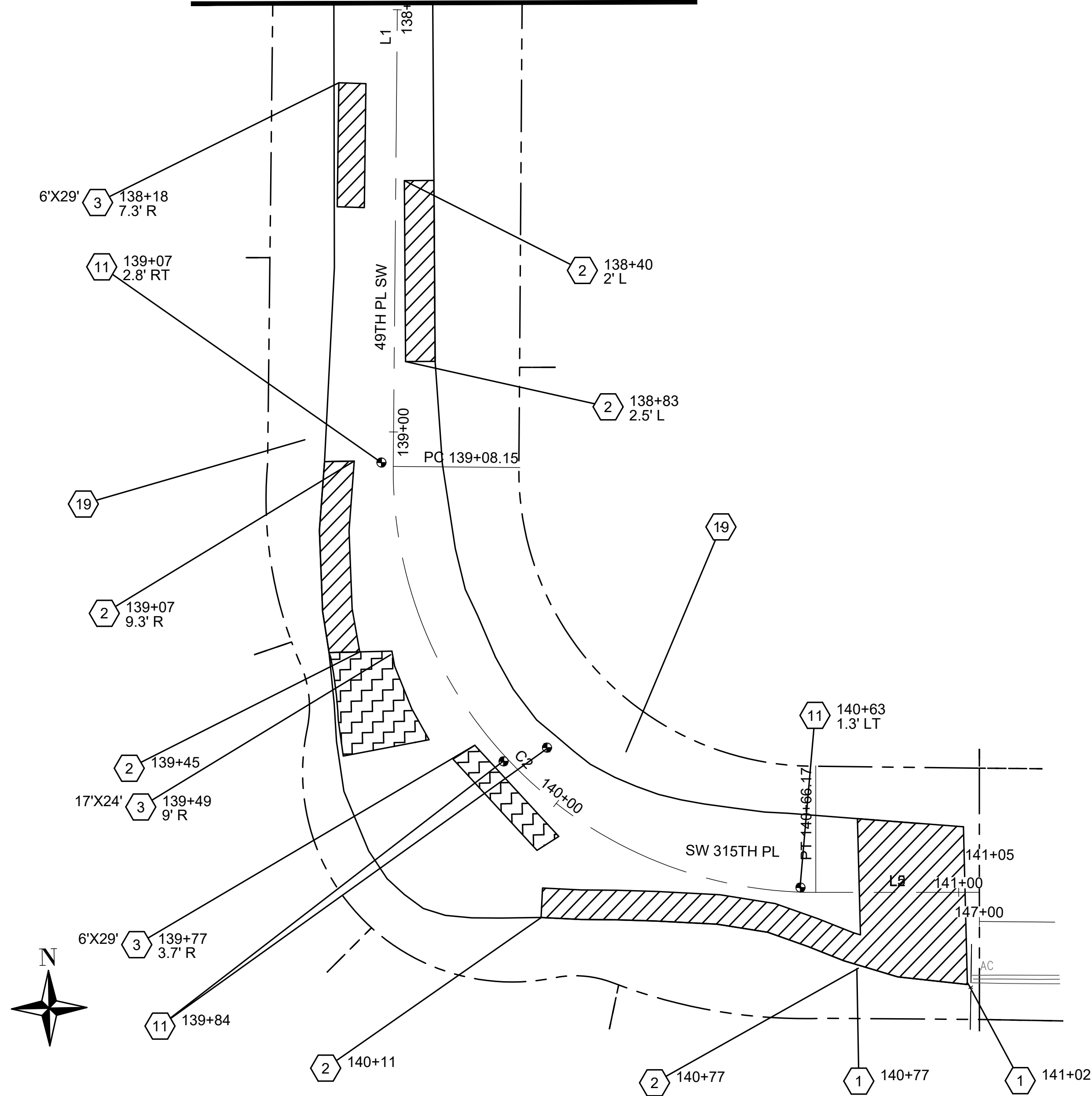
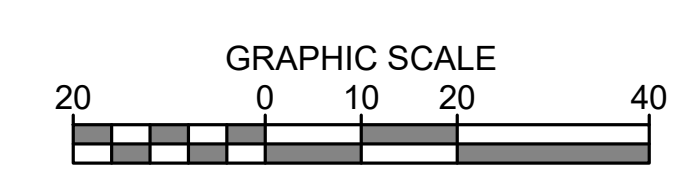
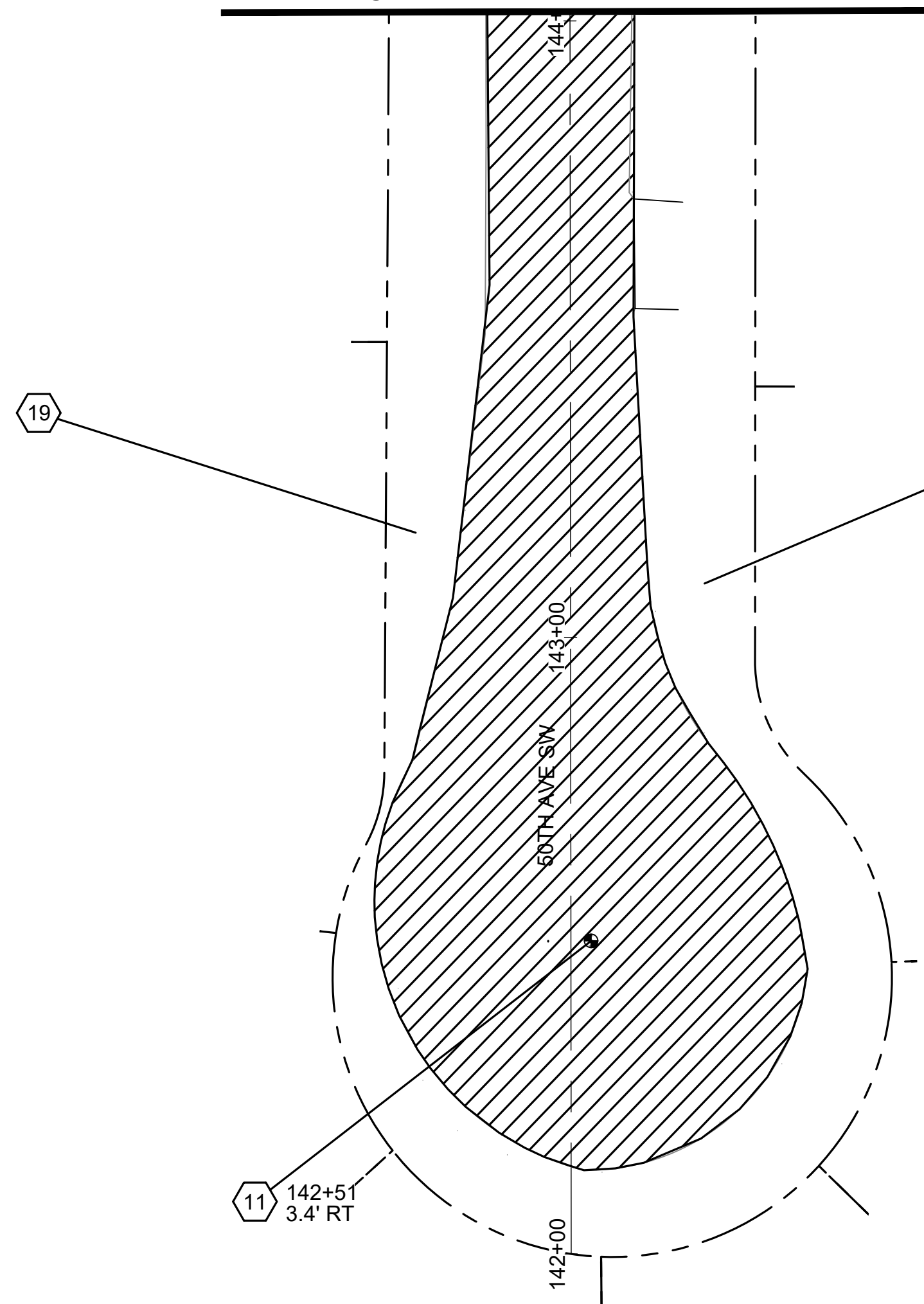
SHT. 29
OF 98

*** PLAN CENTER COPY *** Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

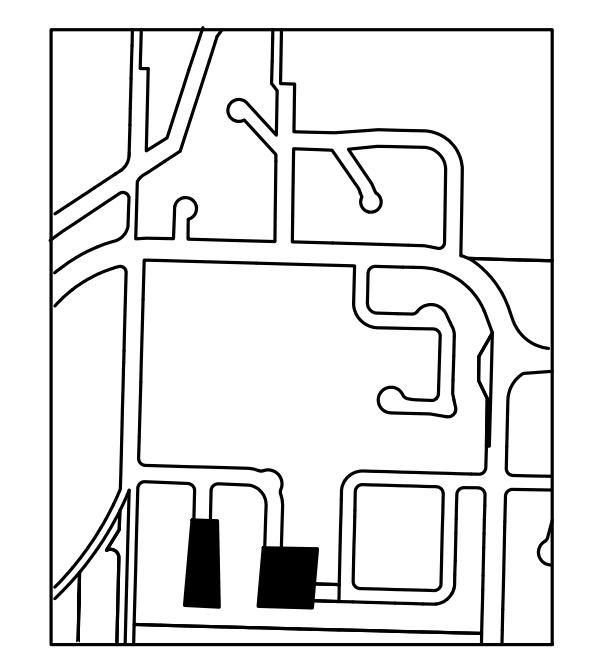
*SEE "RESIDENTIAL PLANE AND INLAY SECTION
OVERLAY WITH CURB AND GUTTER"

MATCHLINE SEE DRAWING 29 - SP-D-02

MATCHLINE SEE DRAWING 29 - SP-D-02



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11-Feb-2023

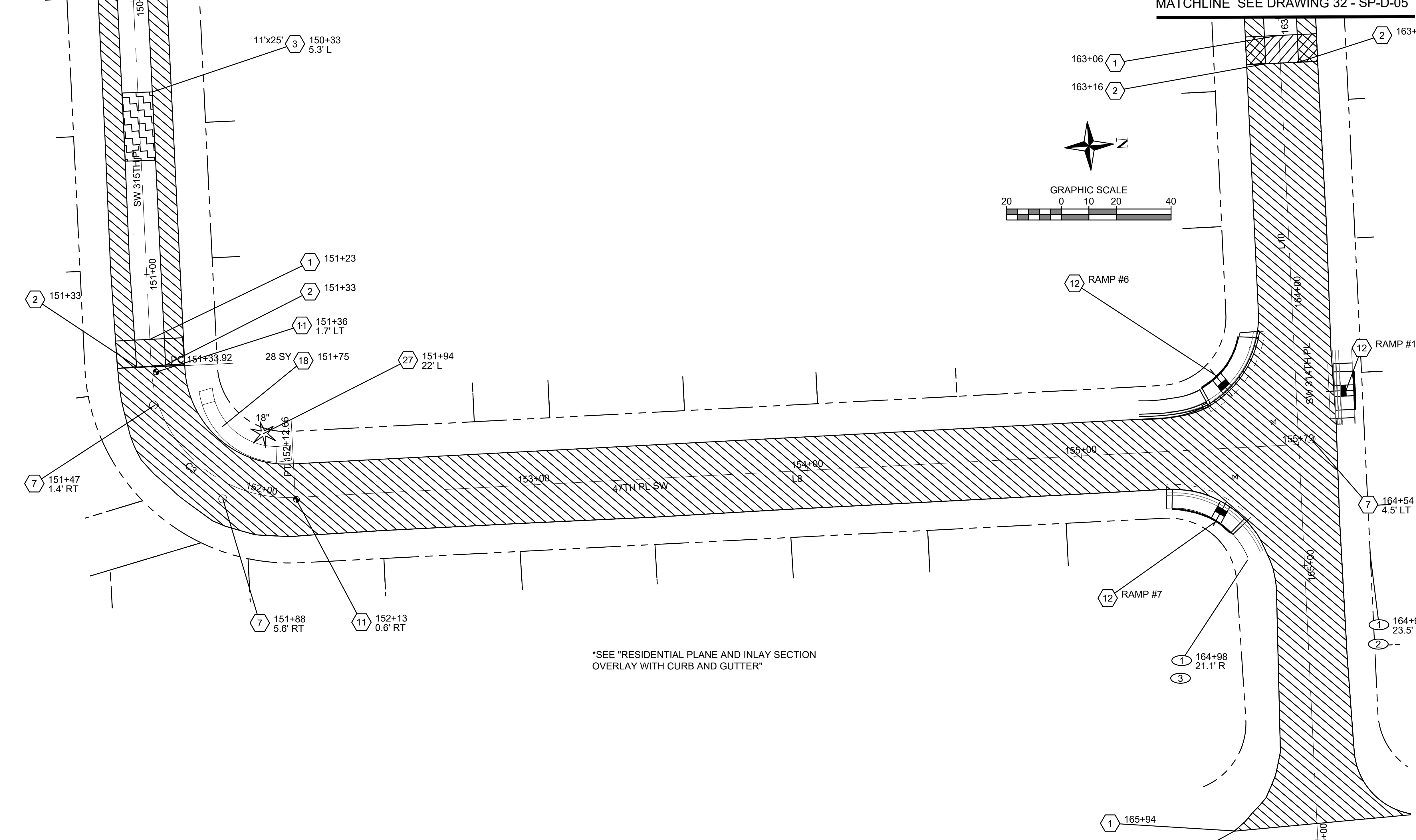
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2023 OVERLAY PROJECT
SP-D-03
STA: 136+00 - 151+50

CITY PROJECT #
12523
SHT. 30
OF 98

MATCHLINE SEE DRAWING 32 - SP-D-05

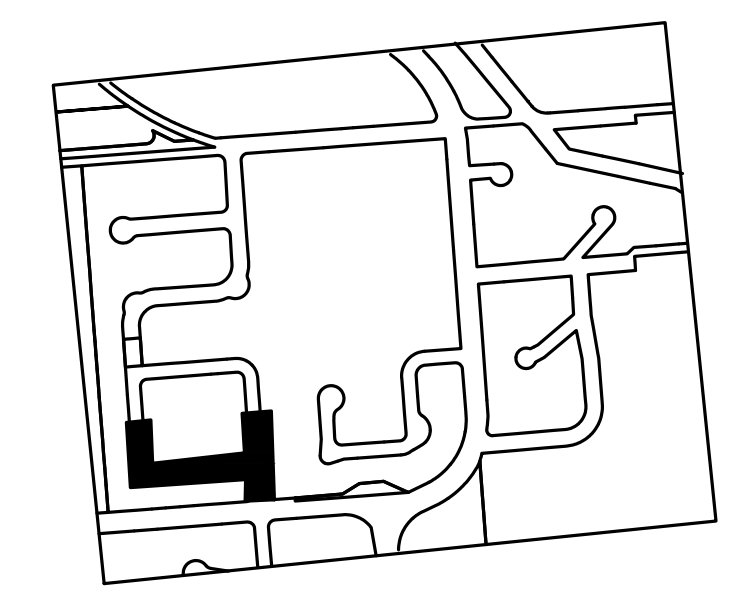
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*SEE "RESIDENTIAL PLANE AND INLAY SECTION OVERLAY WITH CURB AND GUTTER"

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27	TREE REMOVAL

- SIGN NOTES:
- (1) NO PED CROSSING SIGN, WSDOT R9-3A
 - (2) USE CROSSWALK SIGN, WSDOT R9-3B L
 - (3) USE CROSSWALK SIGN, WSDOT R9-3B R



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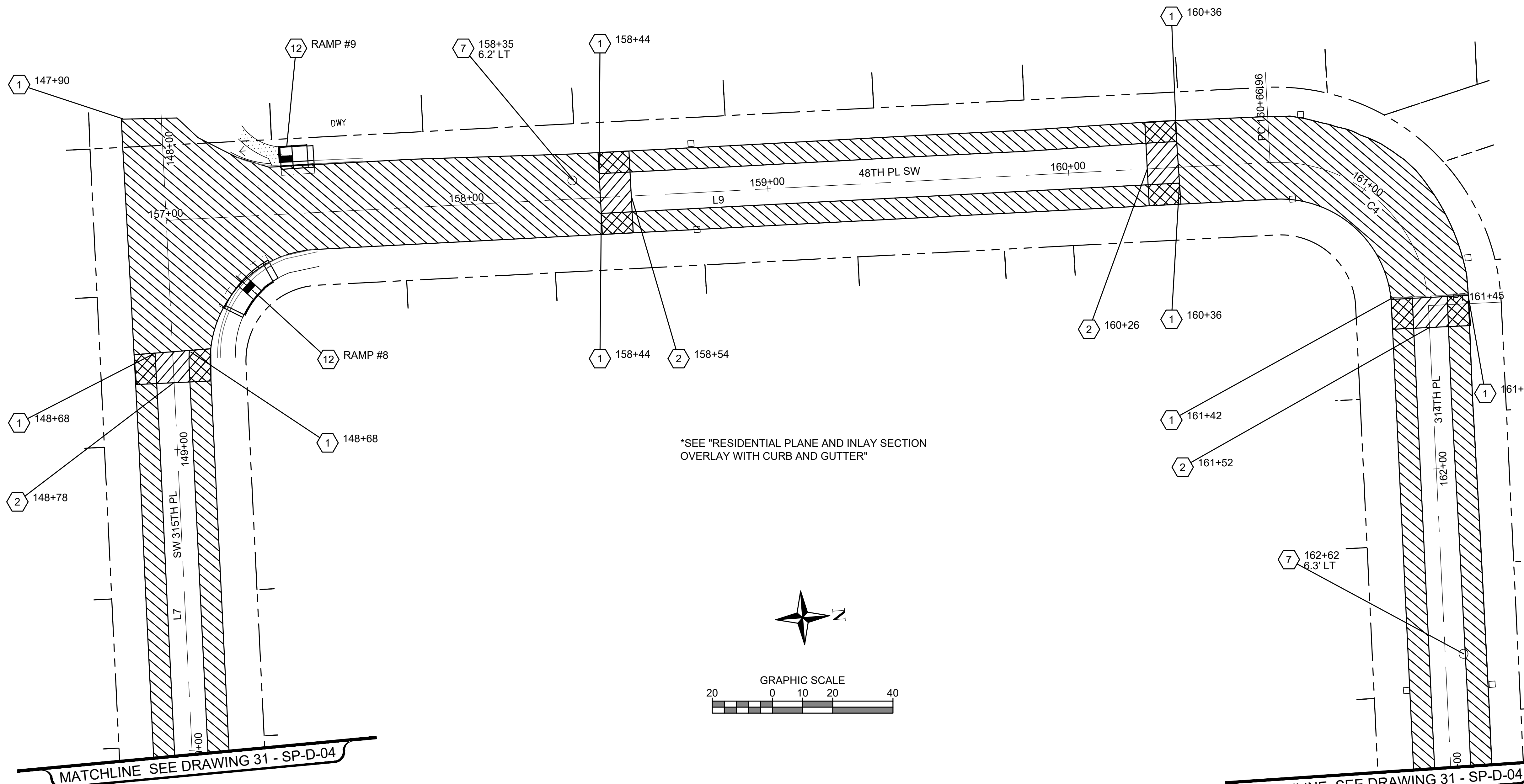
2023 OVERLAY PROJECT

SP-D-04

STA: 142+00-146+50 & 151+00-156+00

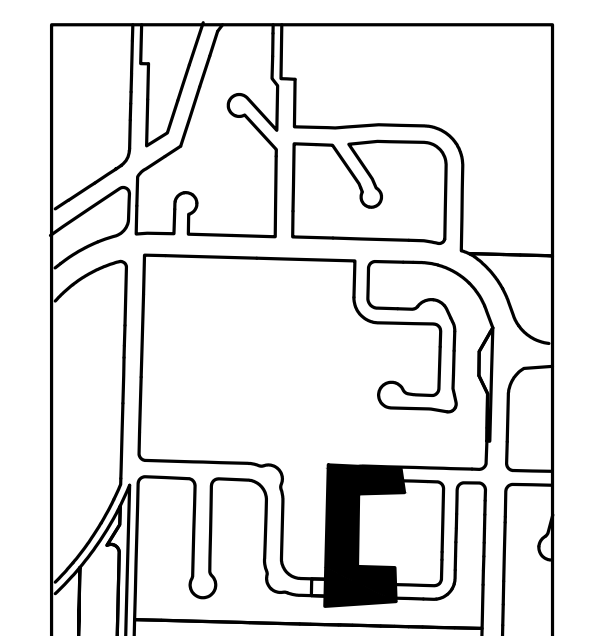
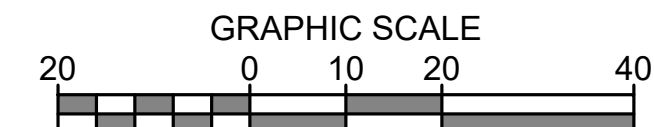
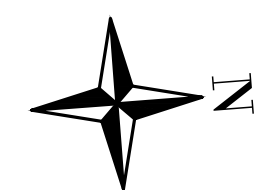
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OF **98**



(X)	OVERLAY CONSTRUCTION NOTES:
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*SEE "RESIDENTIAL PLANE AND INLAY SECTION OVERLAY WITH CURB AND GUTTER"



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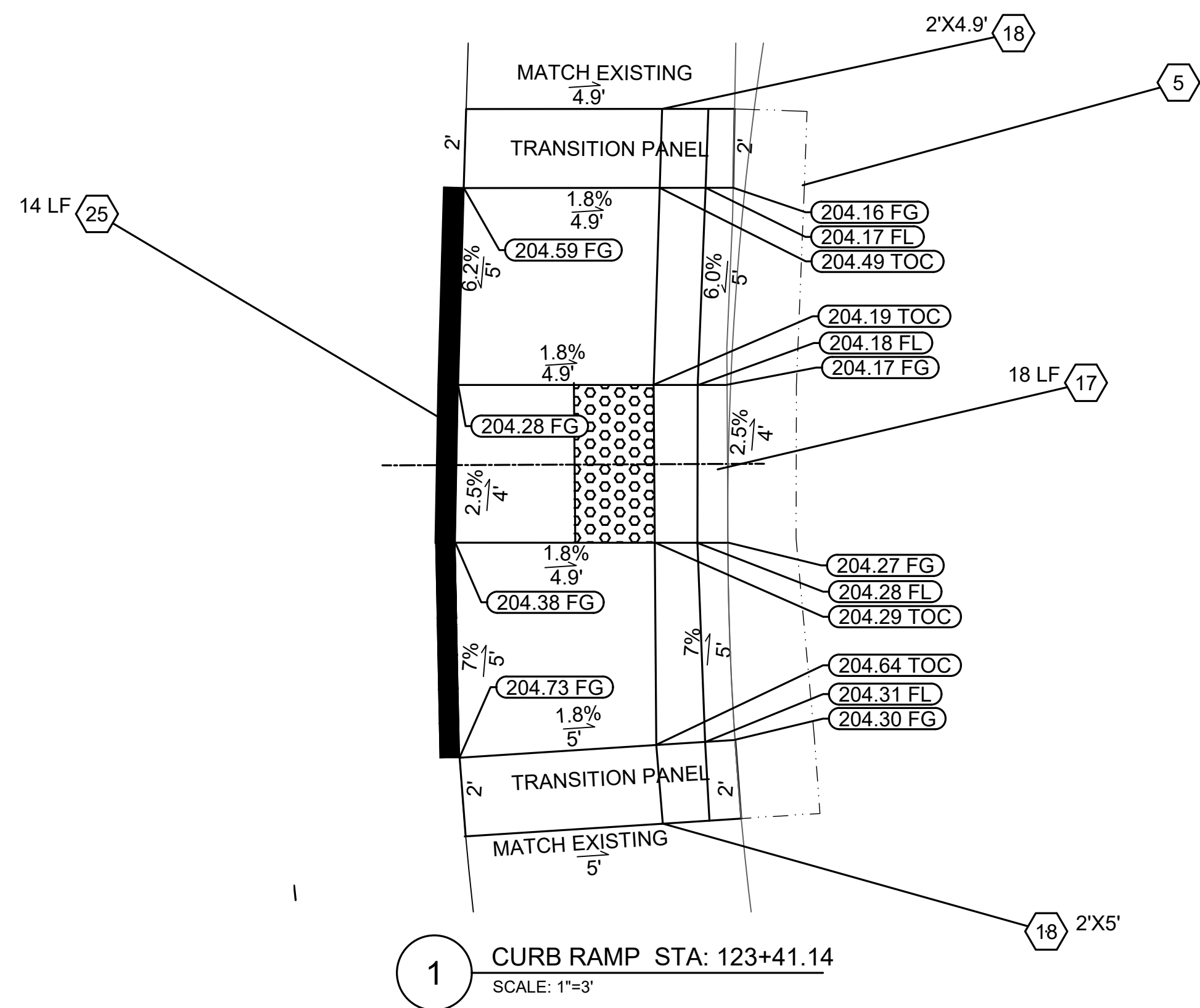
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REVIEWED: C. MULLEN
APPROVED: D. WINKLER

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REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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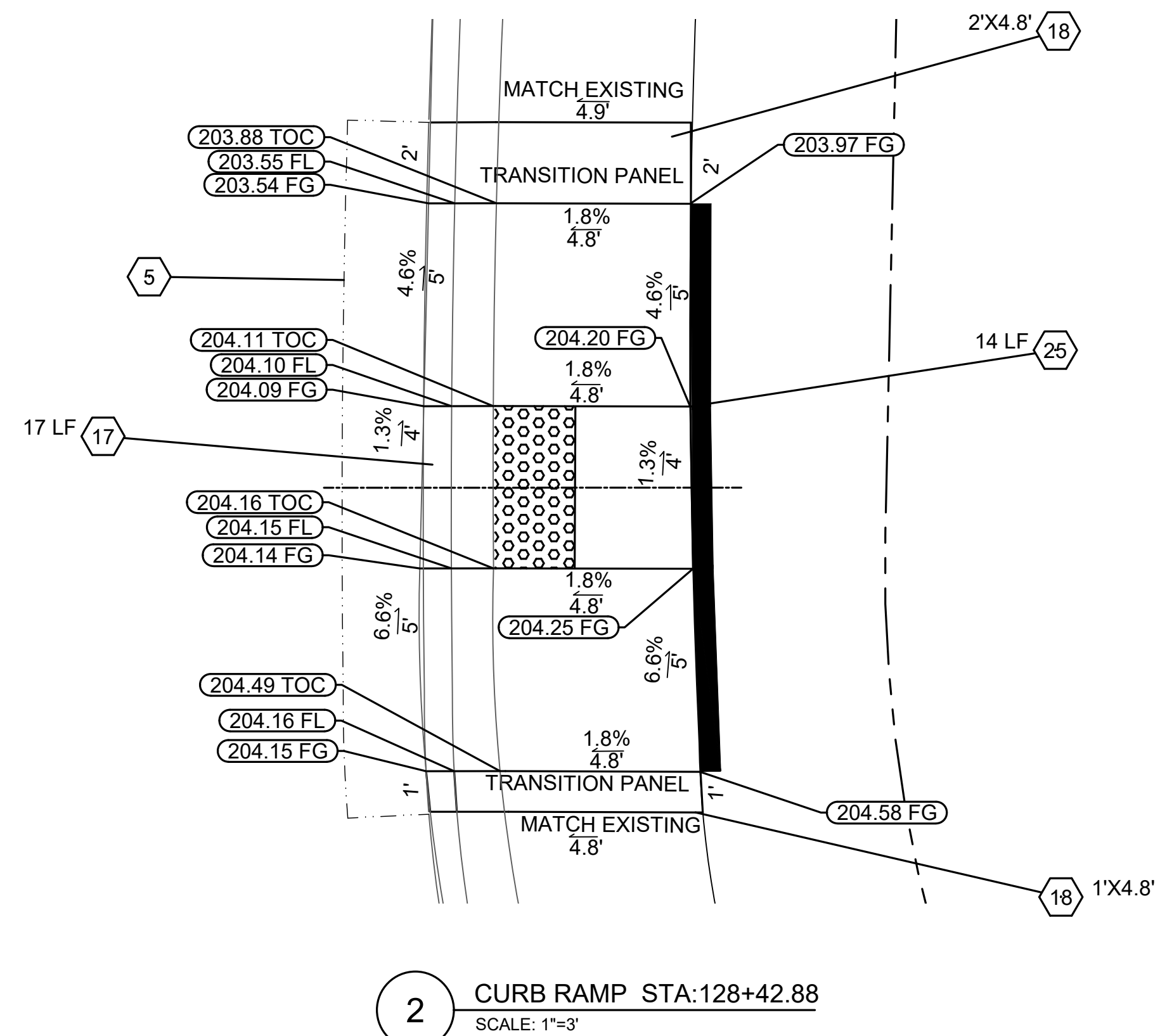
2023 OVERLAY PROJECT
SP-D-05
STA: 157+00-166+17

CITY PROJECT #
12523
SHT. 32
OF 98



1 CURB RAMP STA: 123+41.14
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



2 CURB RAMP STA: 128+42.88
SCALE: 1"=3'

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
- SEE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STD PLAN F-10.12-03 FOR DEPRESSED CURB SECTION AND CEMENT CONCRETE PEDESTRIAN CURB DETAILS. SEE CFW STD DET 3-4 FOR CURB AND GUTTER AND CEMENT CONCRETE BARRIER CURB DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

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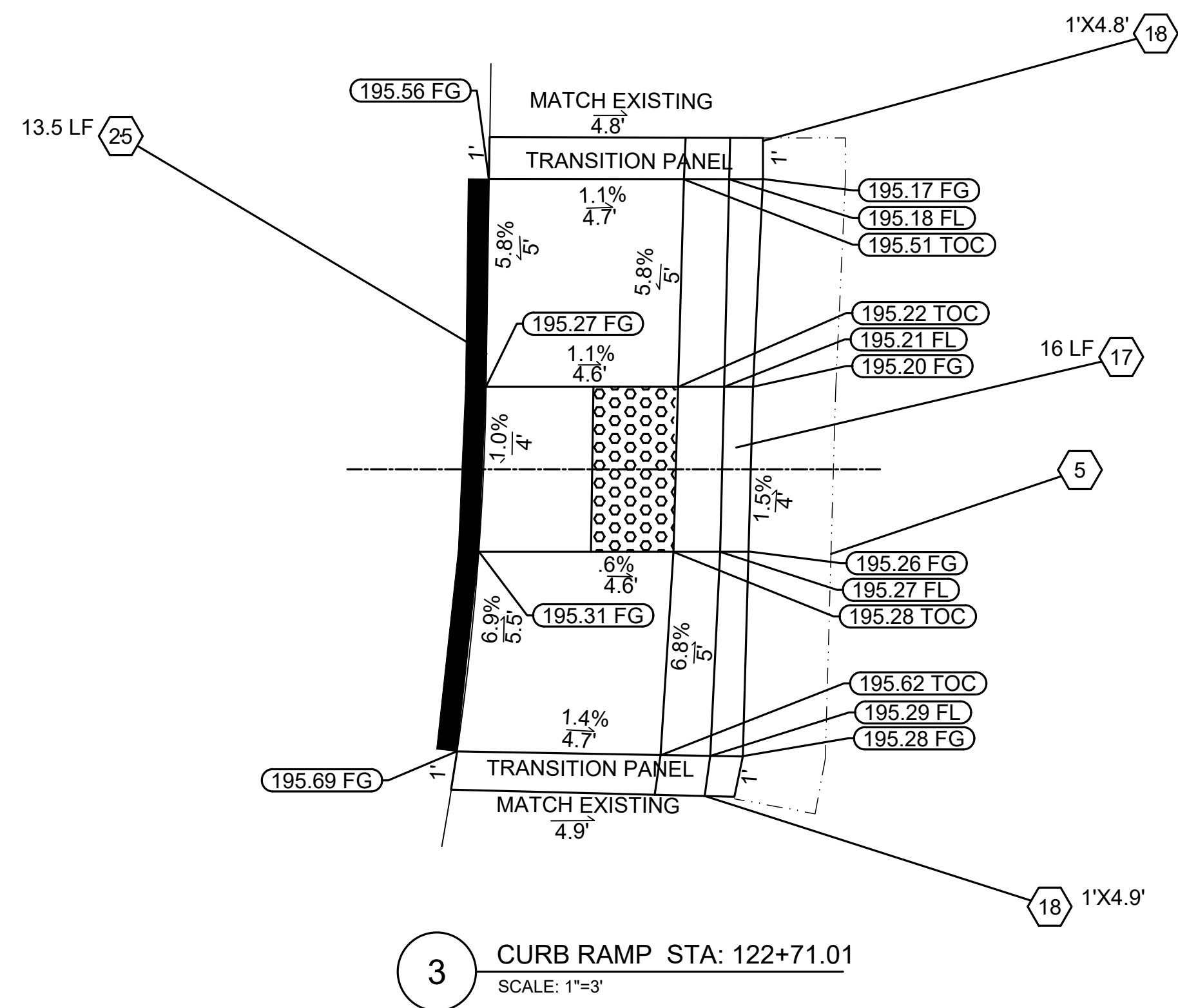
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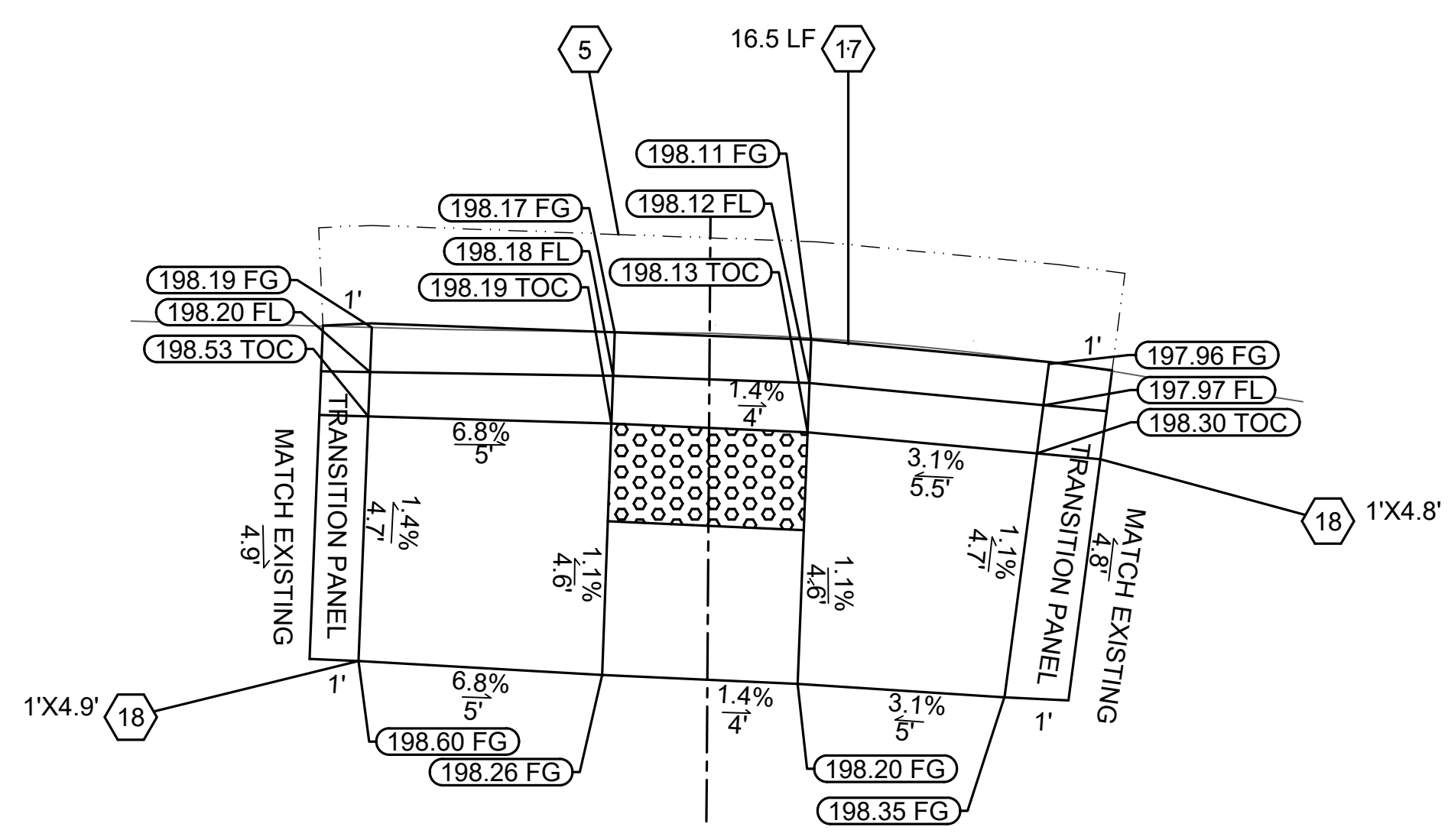
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NO.	DATE	REVISION

2023 OVERLAY PROJECT
CR-D-01
RAMPS 1 & 2

CITY PROJECT #	12523
SHT.	33
OF	98



3 CURB RAMP STA: 122+71.01
SCALE: 1"=3'



4 CURB RAMP STA: 121+84.14
SCALE: 1"=3'

(X)	OVERLAY CONSTRUCTION NOTES:
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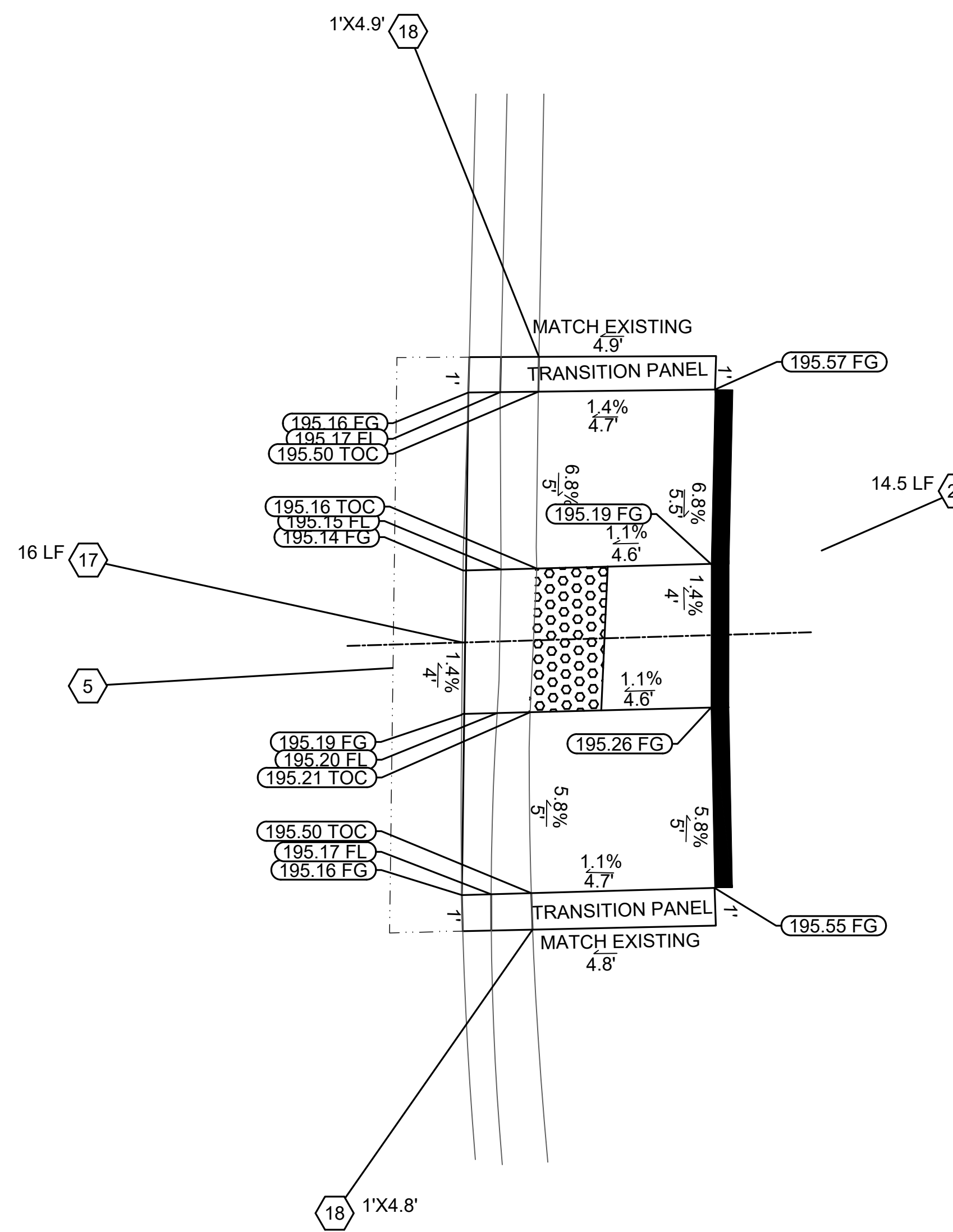
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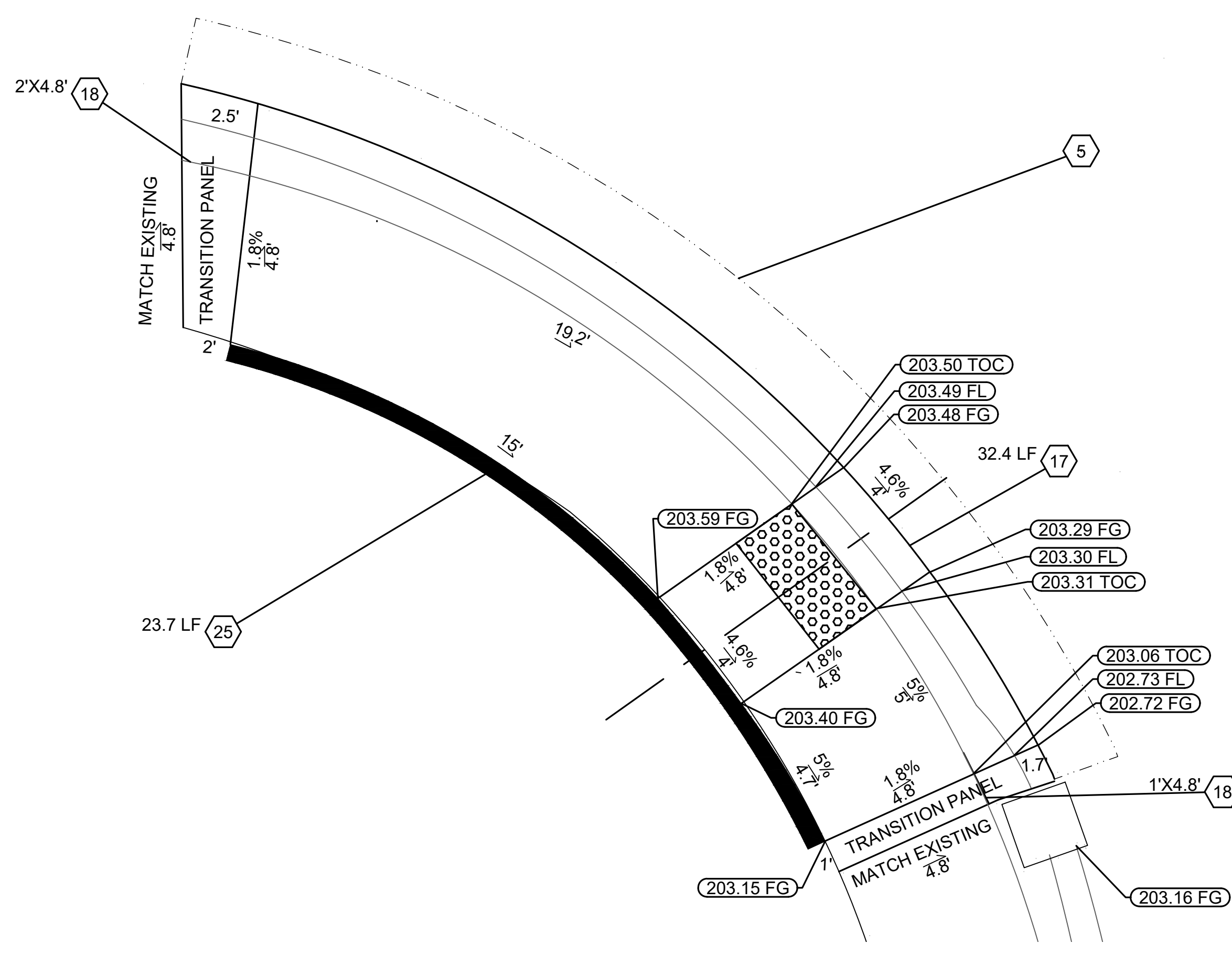
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2023 OVERLAY PROJECT
CR-D-02
RAMPS 3 & 4

CITY PROJECT #
12523
SHT. 34
OF 98



5 CURB RAMP STA: 122+70.22
SCALE: 1"=3'



6 CURB RAMP STA: 155+53.36
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

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100% DESIGN

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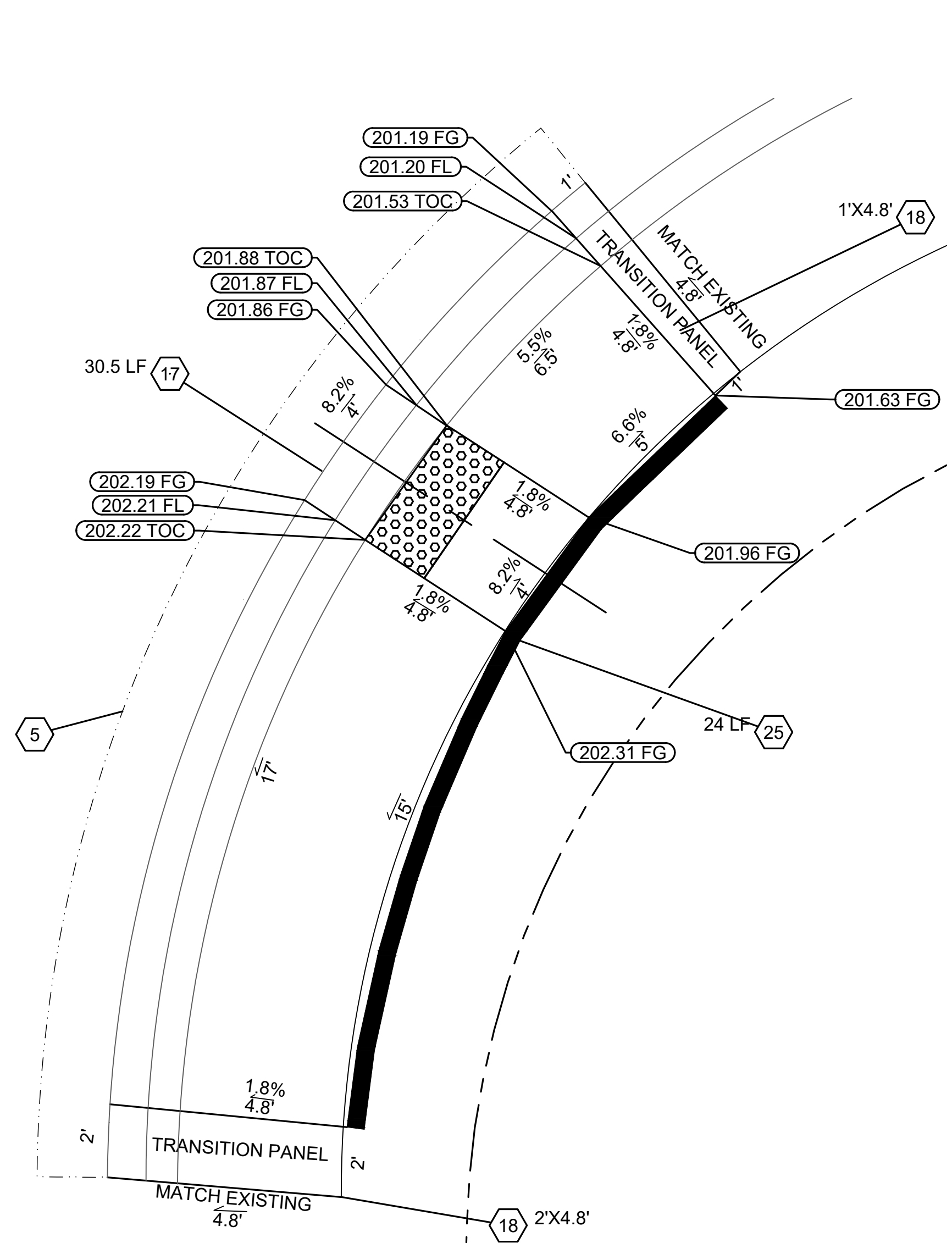
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2023 OVERLAY PROJECT

**CR-D-03
RAMPS 5 & 6**

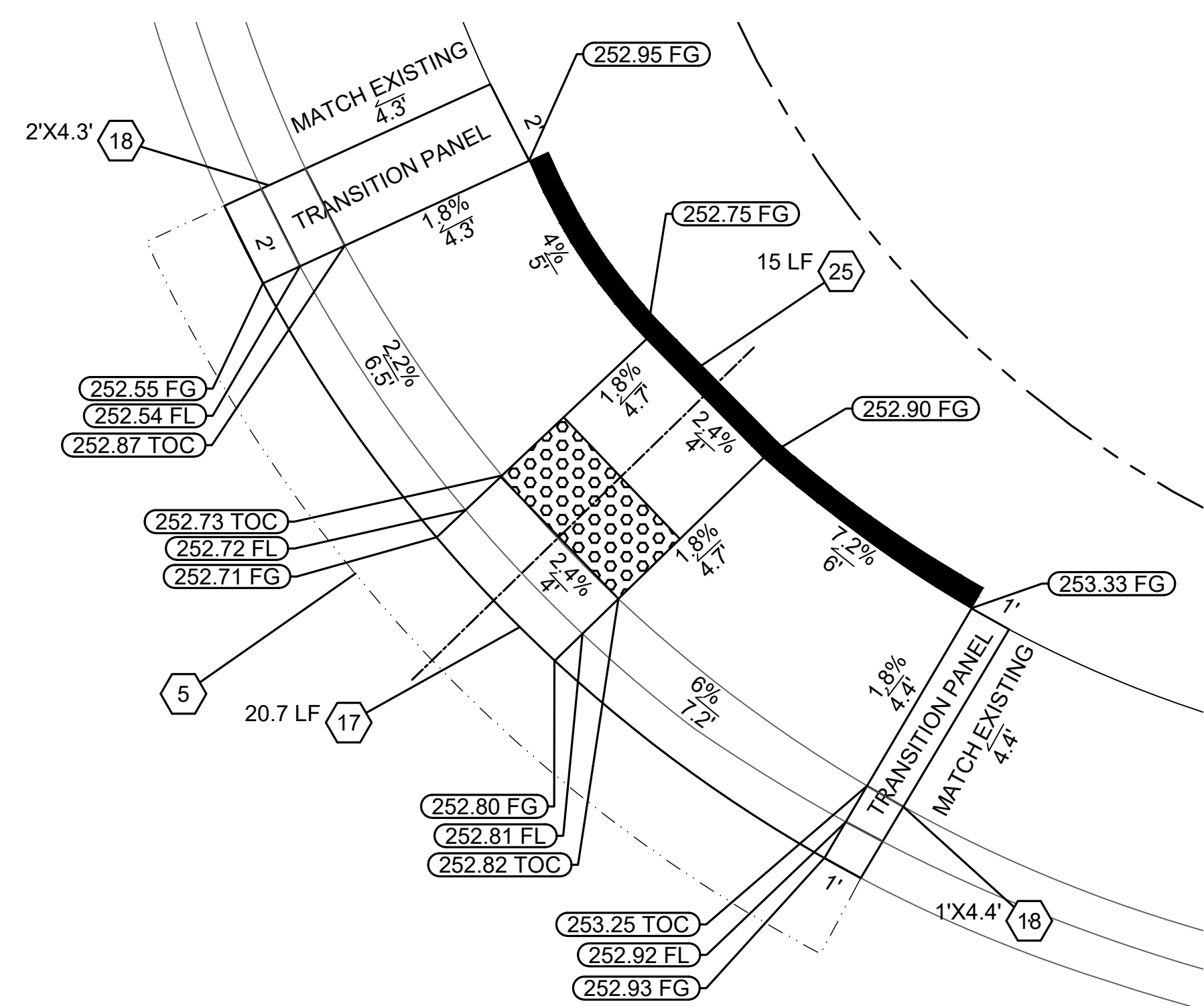
CITY PROJECT #
12523

SHT. **35**
OF **98**



7 CURB RAMP STA: 155+48.75
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



8 CURB RAMP STA: 157+25.86
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

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- FL = GUTTER FLOW LINE**
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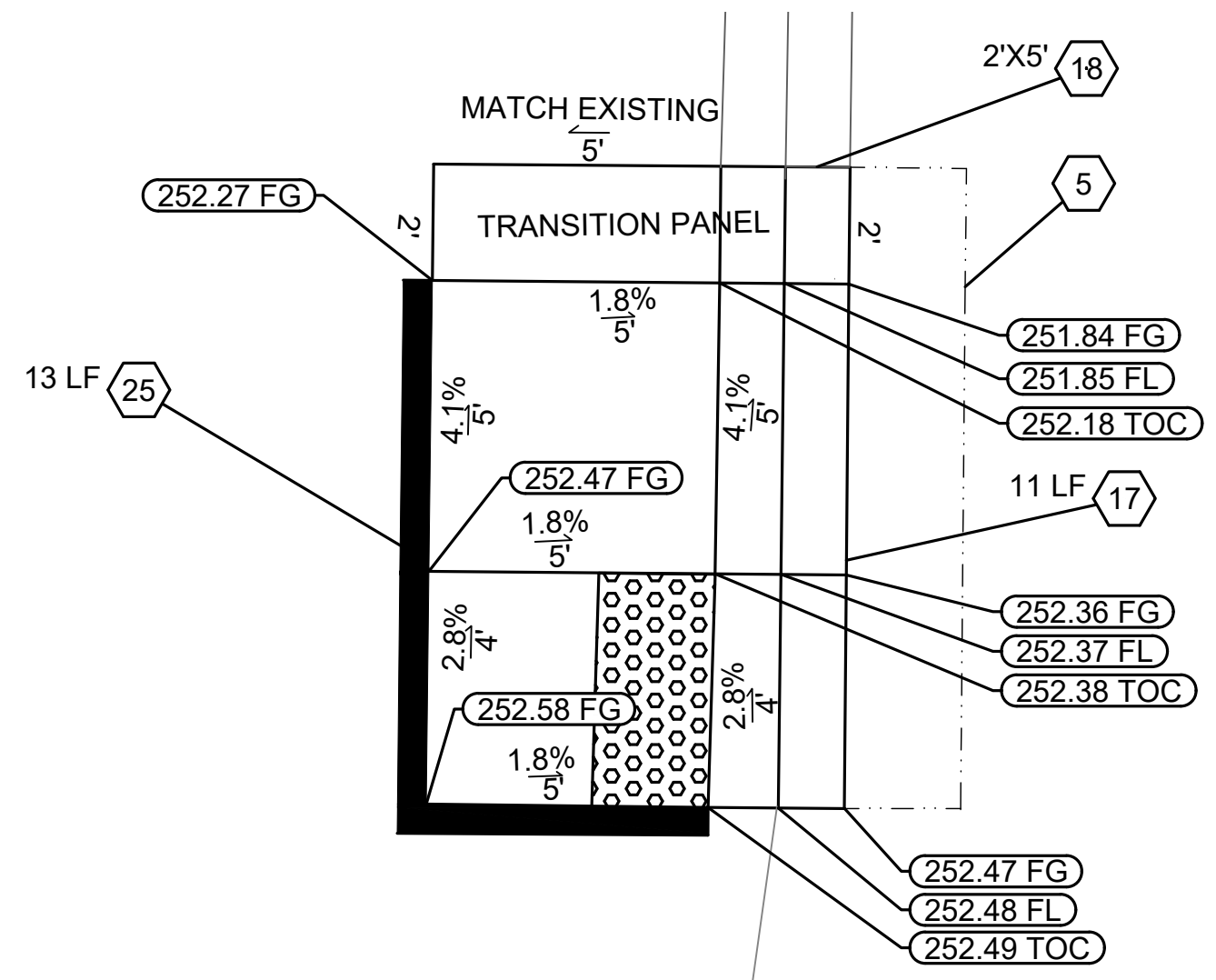


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

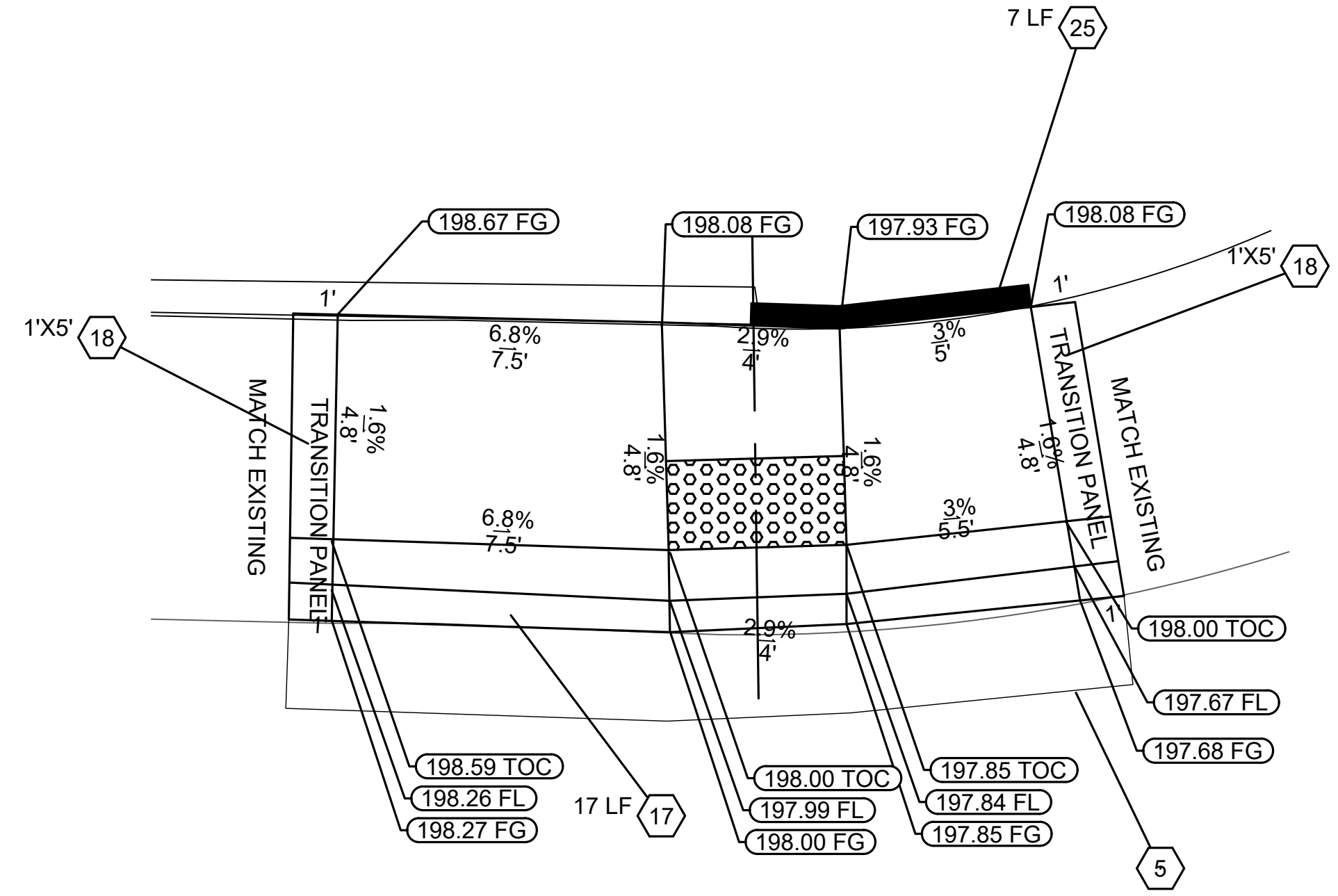
CR-D-04
RAMPS 7 & 8

CITY PROJECT #	12523
SHT.	36
OF	98



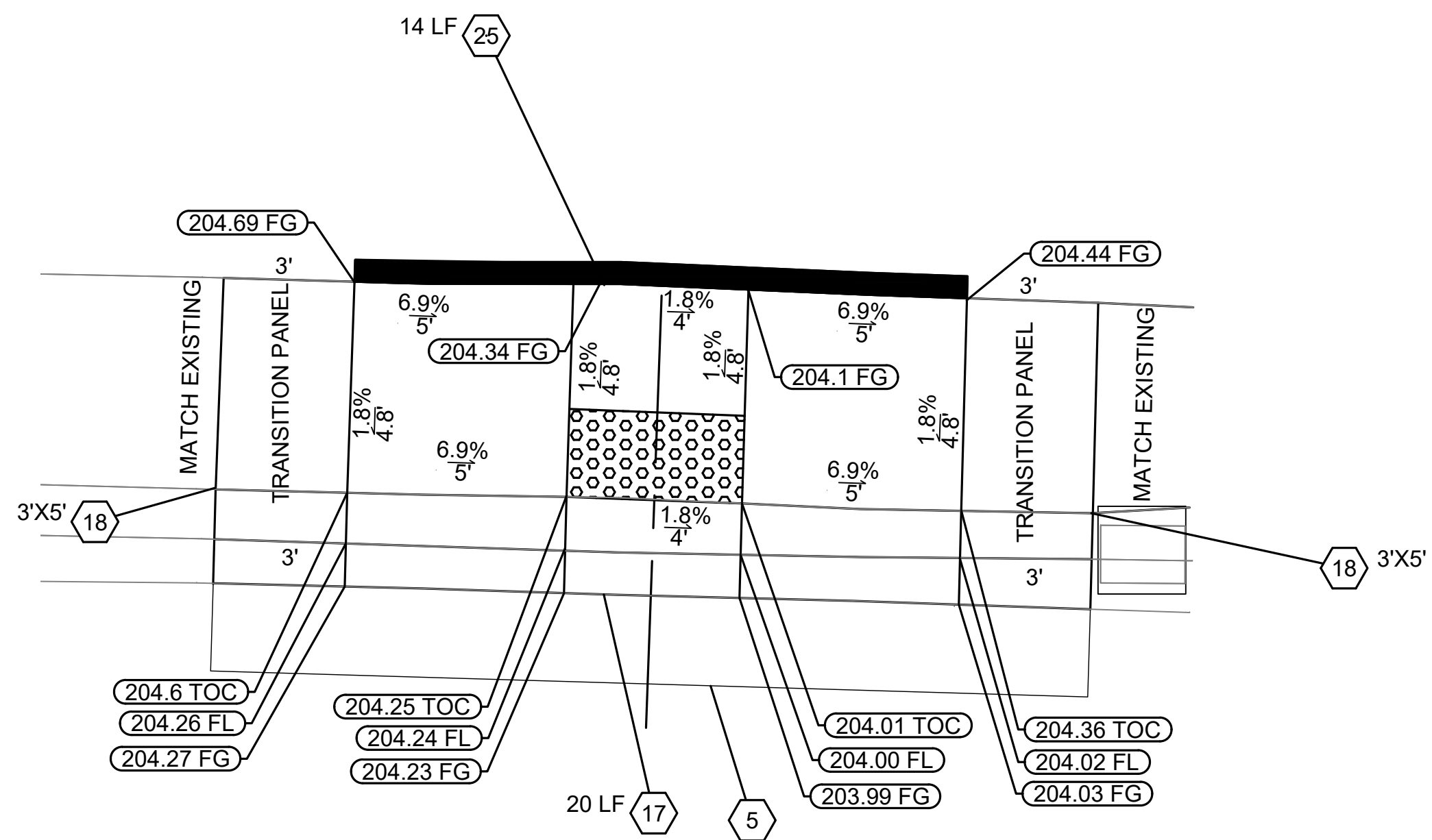
9 CURB RAMP STA: 157+41.00
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



11 CURB RAMP STA: 121+87, 18.5' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



10 CURB RAMP STA: 164.37, 16.2 L
SCALE: 1"=3'

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
- SEE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STD PLAN F-10.12-03 FOR DEPRESSED CURB SECTION AND CEMENT CONCRETE PEDESTRIAN CURB DETAILS. SEE CFW STD DET 3-4 FOR CURB AND GUTTER AND CEMENT CONCRETE BARRIER CURB DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

100% DESIGN



DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

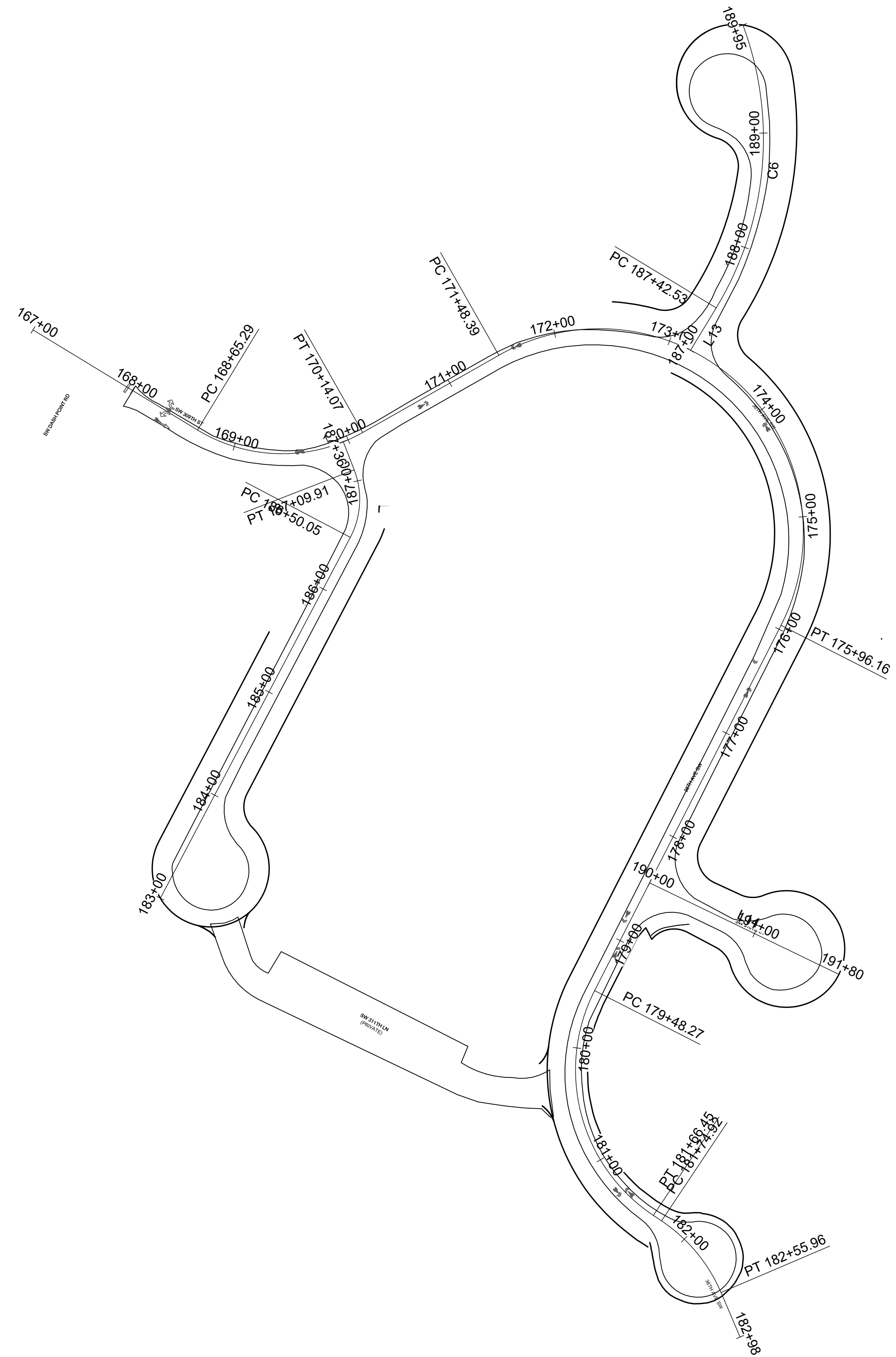


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

CR-D-05
RAMPS 9

CITY PROJECT #
12523
SHT. 37
OF 98



E1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C1	168+65.29	170+14.07	60.8901 (d)	140.00'	148.78'	N/A	122319.00'	1256809.49'	122316.83'	1256951.36'
C2	171+48.39	175+96.16	146.6021 (d)	175.00'	447.77'	N/A	122383.11'	1257068.17'	122151.36'	1257310.41'
C3	179+48.27	181+66.45	83.3395 (d)	150.00'	218.18'	N/A	121837.72'	1257150.37'	121644.74'	1257200.77'
C4	181+74.92	182+55.96	33.1656 (d)	140.00'	81.04'	N/A	121640.04'	1257207.81'	121578.58'	1257258.88'
L1	167+00.00	168+65.29	N/A	N/A	165.29'	S58° 40' 41.51"E	122404.93'	1256668.29'	122319.00'	1256809.49'
L2	170+14.07	171+48.39	N/A	N/A	134.31'	N60° 25' 54.13"E	122316.83'	1256951.36'	122383.11'	1257068.17'
L3	175+96.16	179+48.27	N/A	N/A	352.11'	S27° 02' 01.53"W	122151.36'	1257310.41'	121837.72'	1257150.37'
L4	181+66.45	181+74.92	N/A	N/A	8.47'	S56° 18' 20.63"E	121644.74'	1257200.77'	121640.04'	1257207.81'
L5	182+55.96	182+97.52	N/A	N/A	41.56'	S23° 08' 24.40"E	121578.58'	1257258.88'	121540.36'	1257275.21'

E2										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C5	186+50.05	187+09.91	48.9920 (d)	70.00'	59.86'	N/A	122226.84'	1256940.70'	122284.80'	1256944.01'
L11	183+00.00	186+50.05	N/A	N/A	350.05'	N27° 45' 52.36"E	121917.09'	1256777.63'	122226.84'	1256940.70'
L12	187+09.91	187+35.91	N/A	N/A	26.00'	N21° 13' 38.87"W	122284.80'	1256944.01'	122309.04'	1256934.59'

E3										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C6	187+42.53	189+94.89	51.6408 (d)	280.00'	252.36'	N/A	122423.84'	1257254.73'	122666.67'	1257277.66'
L13	187+00.00	187+42.53	N/A	N/A	42.53'	N31° 12' 55.23"E	122387.47'	1257232.69'	122423.84'	1257254.73'

E4										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L14	190+00.00	191+80.44	N/A	N/A	180.44'	S64° 12' 38.78"E	121930.22'	1257197.57'	121851.72'	1257360.03'

100% DESIGN



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Federal Way, WA 98003-6325
(253) 835-2700
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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



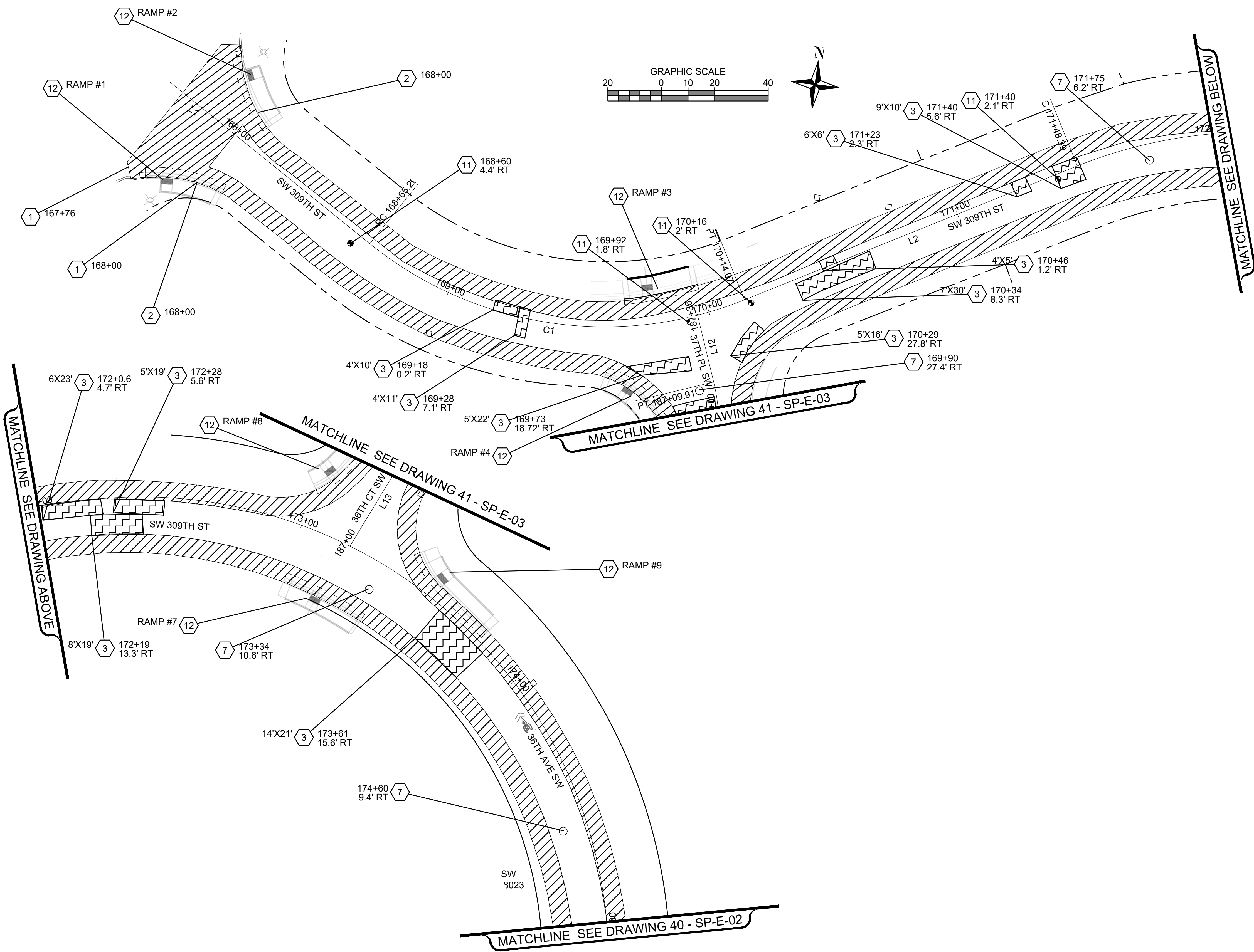
DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

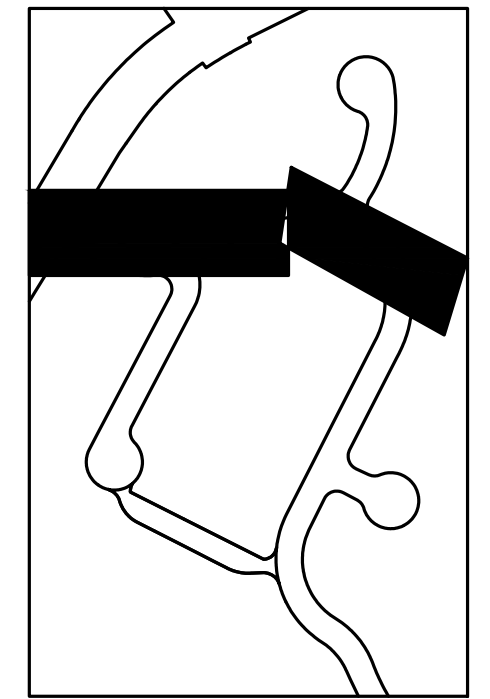
2023 OVERLAY PROJECT

SC-E-01
SURV. CONT. & KEY

CITY PROJECT #
12523
SHT. 38
OF 98



X	OVERLAY CONSTRUCTION NOTES:
1	BUTT JOINT AT STATION OR LOCATION INDICATED. 1.5 IN. AT MATCH LINE AND TRANSITION TO 0 IN. AT DISTANCE DIRECTED BY ENGINEER
2	PLANE WIDTH AS INDICATED ON "PLANING WIDTH AT CURB AND GUTTER", FULL DEPTH AT FACE OF GUTTER
3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	EXTRUDED CONC. CURB, PER CFW STD. DETAIL 3-04A
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
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19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3' WIDE MAX. BY OVERLAY DEPTH
20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	CEMENT CONC. CURB 12 IN. WIDE
22	DETECTOR LOOPS, PER CFW STD. DETAIL 3-44
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL



100% DESIGN

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Federal Way, WA 98003-6325

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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

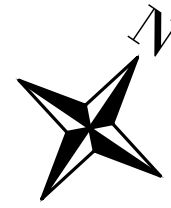
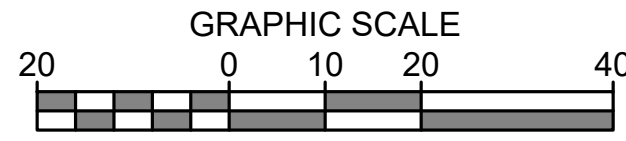
2023 OVERLAY PROJECT

SP-E-01
STA: 167+00-175+00

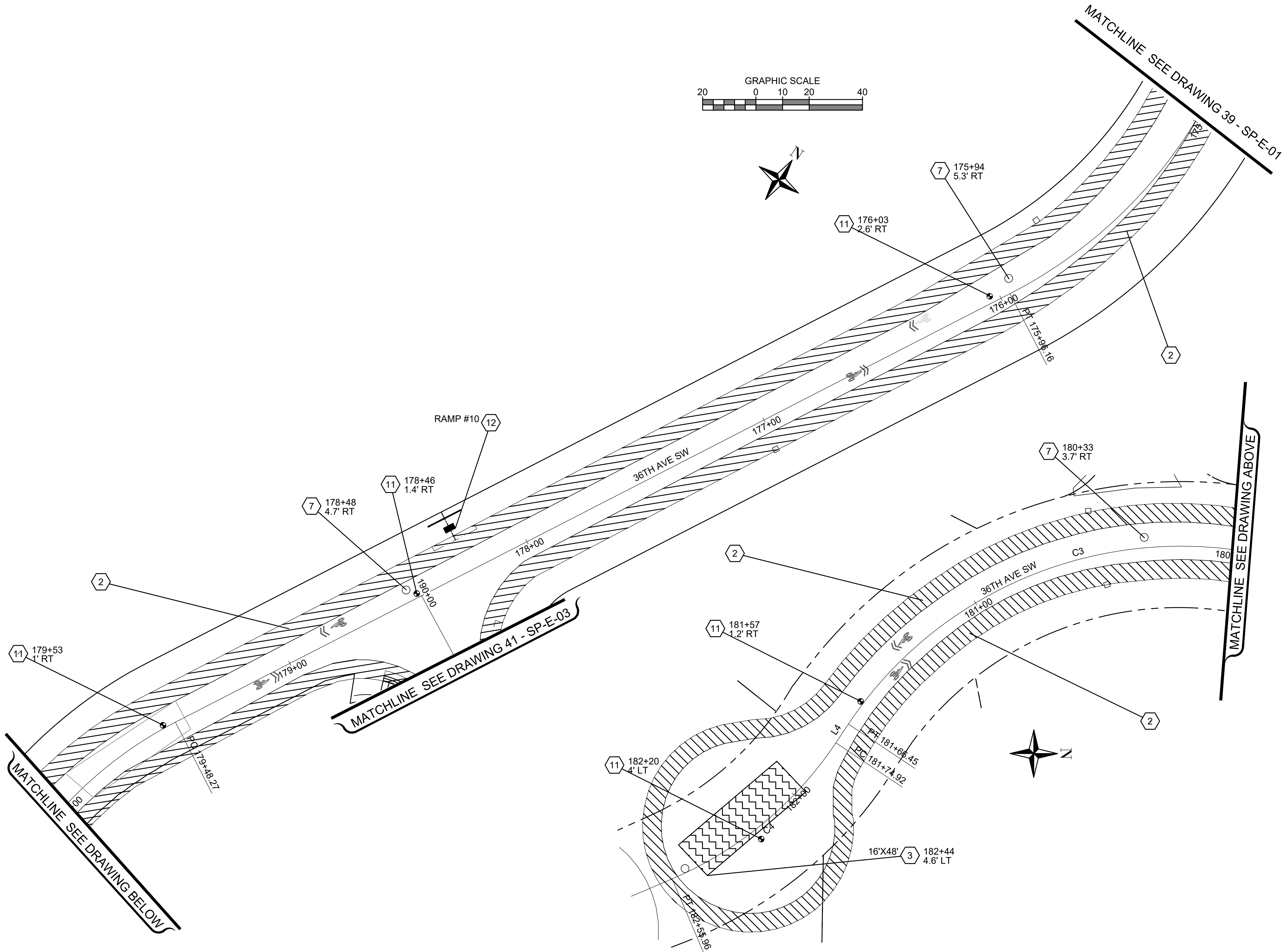
CITY PROJECT #
12523

SHT. 39
OF 98

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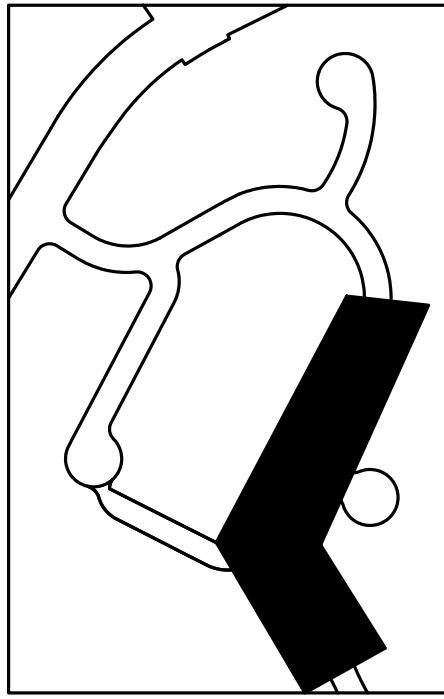


MATCHLINE SEE DRAWING 39 - SP-E-01



X	OVERLAY CONSTRUCTION NOTES:
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5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
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25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL

MATCHLINE SEE DRAWING ABOVE



100% DESIGN



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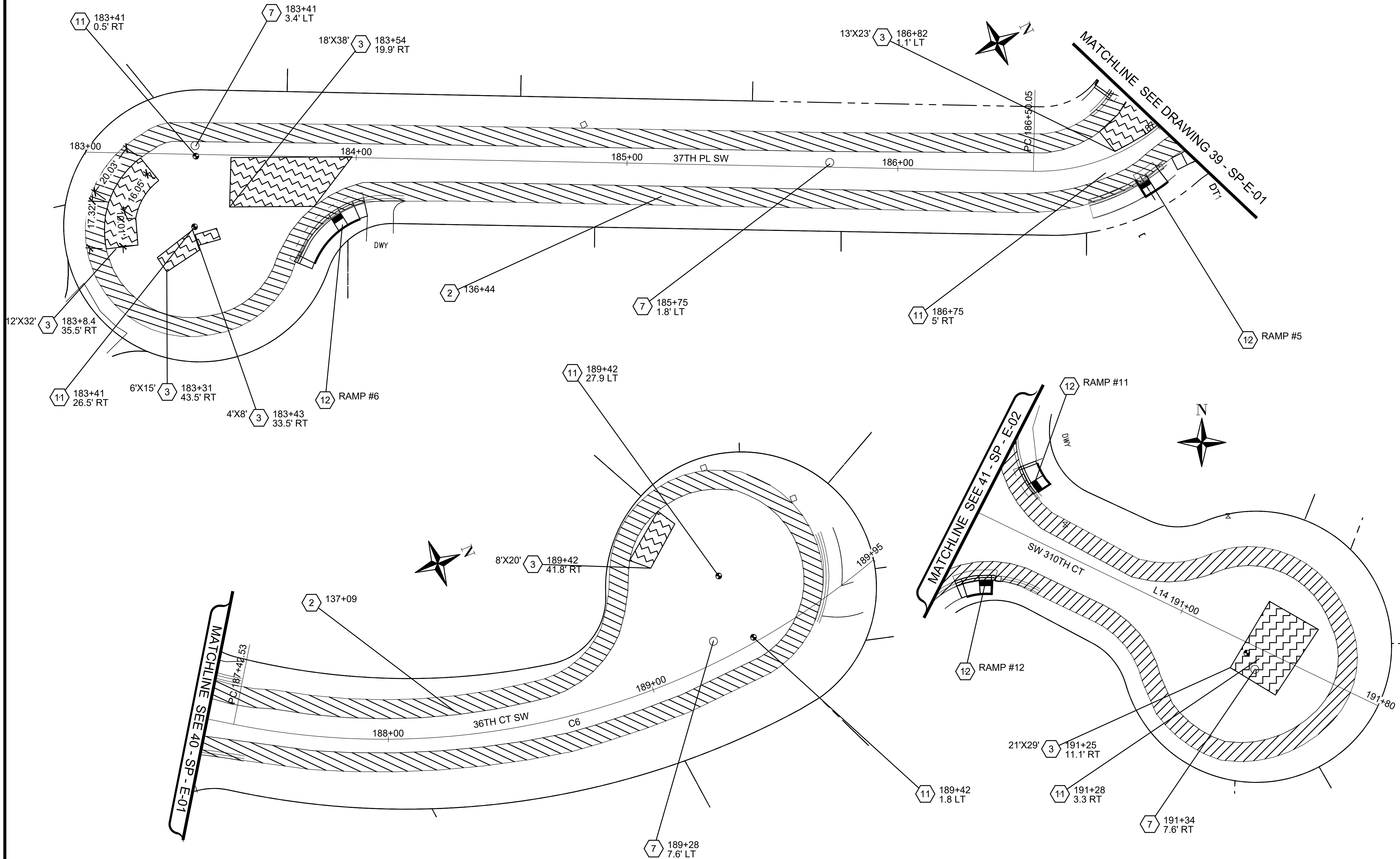
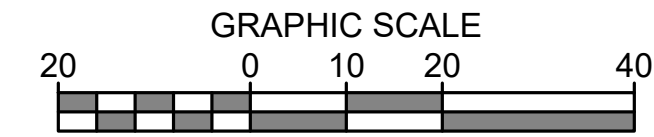


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NO.	DATE	REVISION

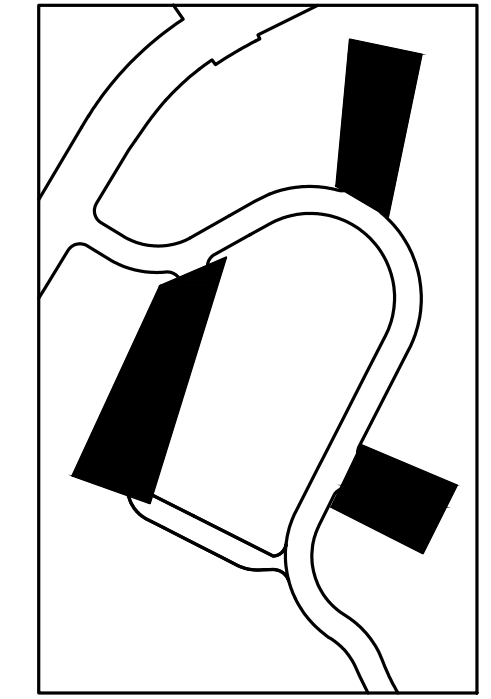
2023 OVERLAY PROJECT

SP-E-02
STA: 175+00-183+00

CITY PROJECT #
12523
SHT. 40
OF 98



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26	SOD LAWN, INCLUDE 4" TOPSOIL



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REVIEWED: C. MULLEN
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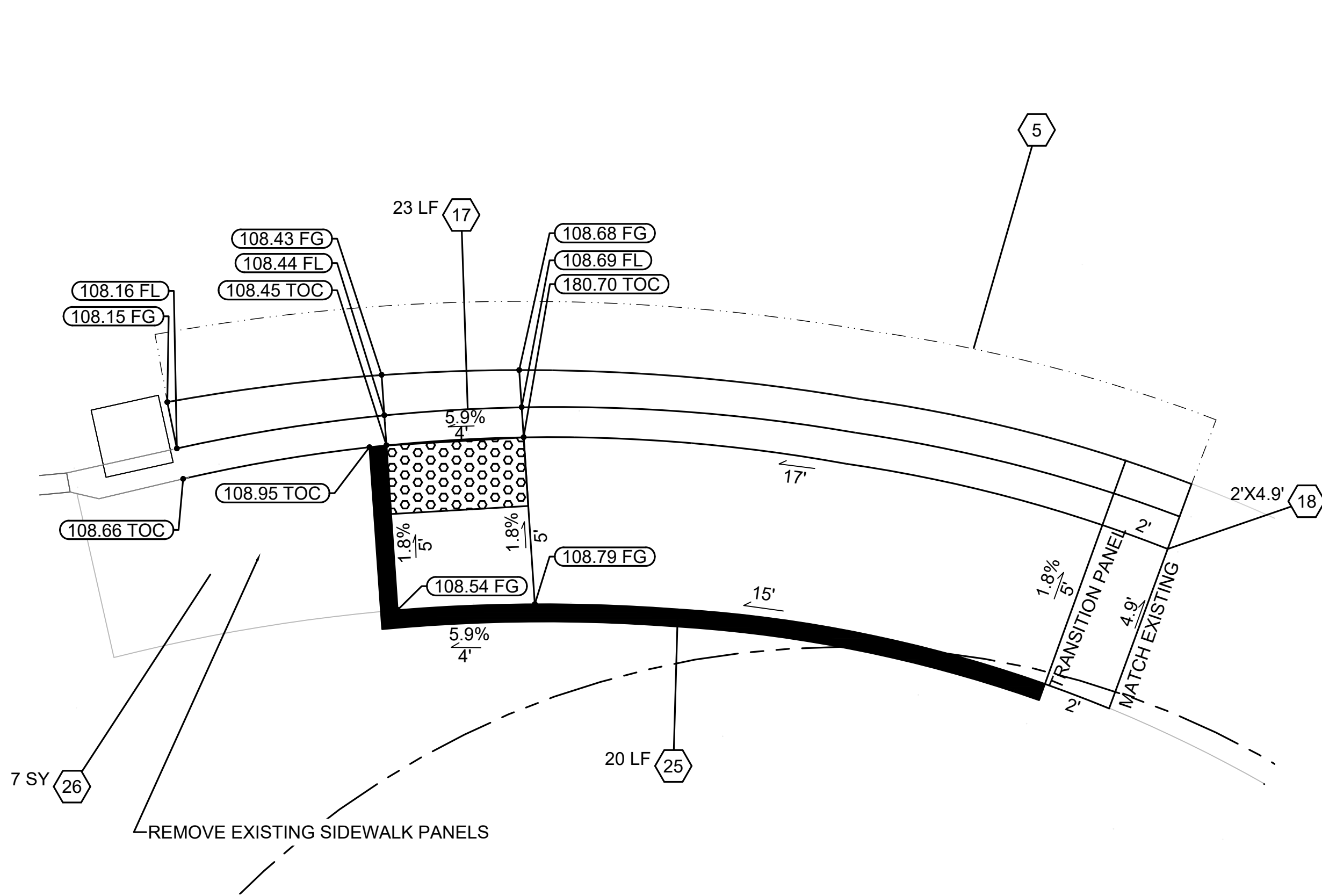
DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

SP-E-03
STA: 183+00-191+50

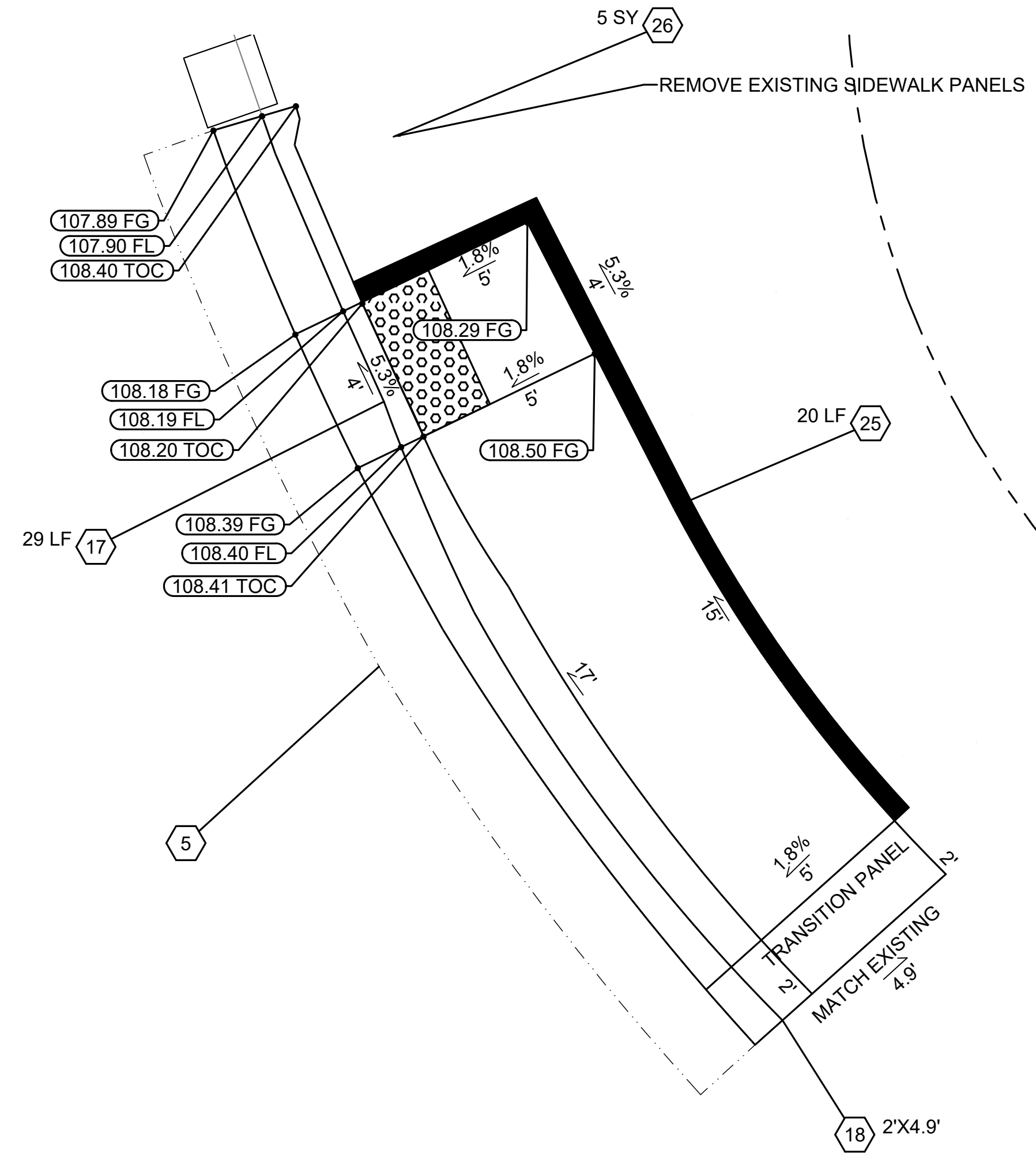
CITY PROJECT #
12523
SHT. 41
OF 98

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1 EXISTING CURB RAMP STA: 167+91.30
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



2 PROPOSED CURB RAMP STA: 167+90.86
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
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FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

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- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

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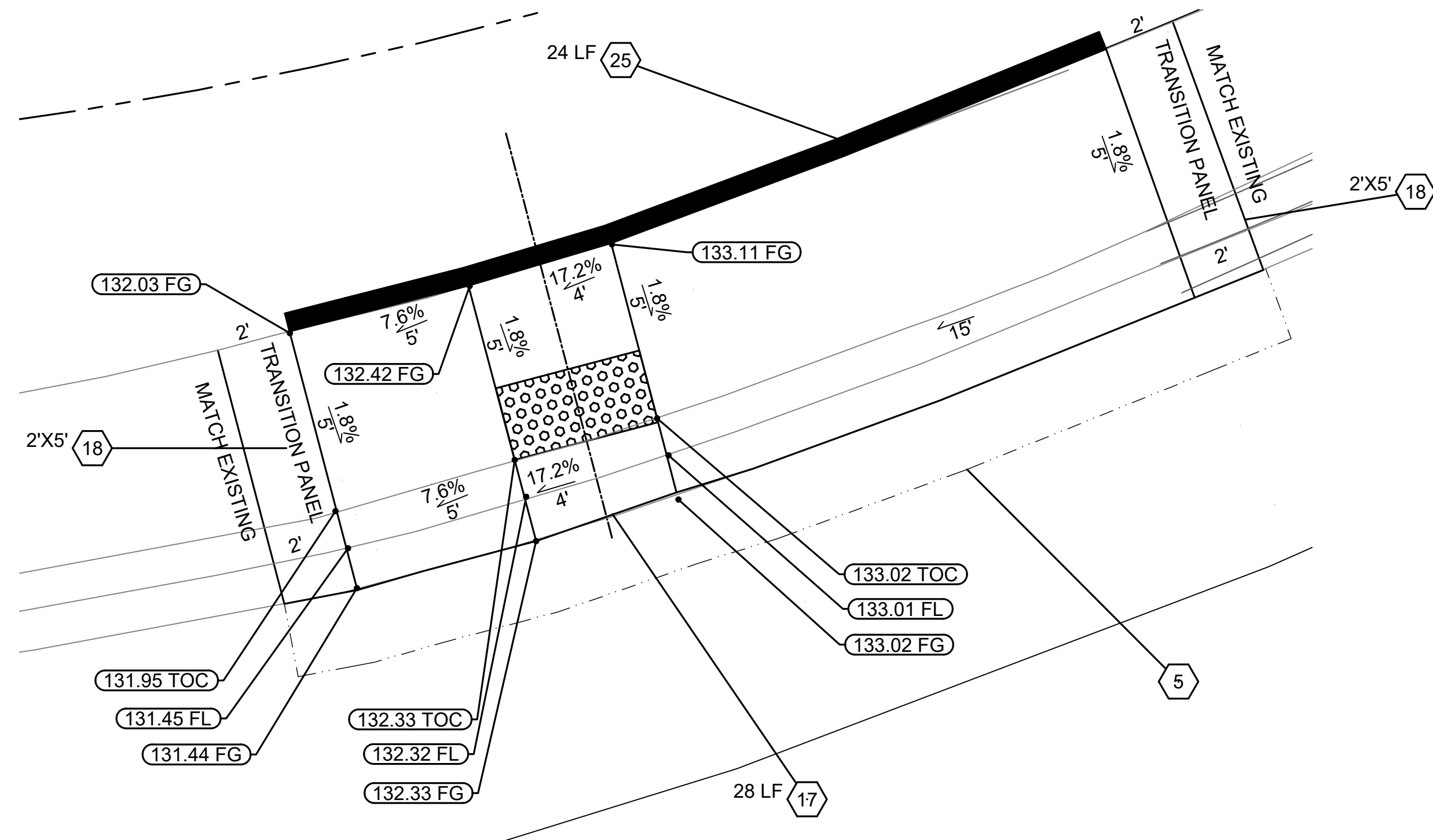
DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

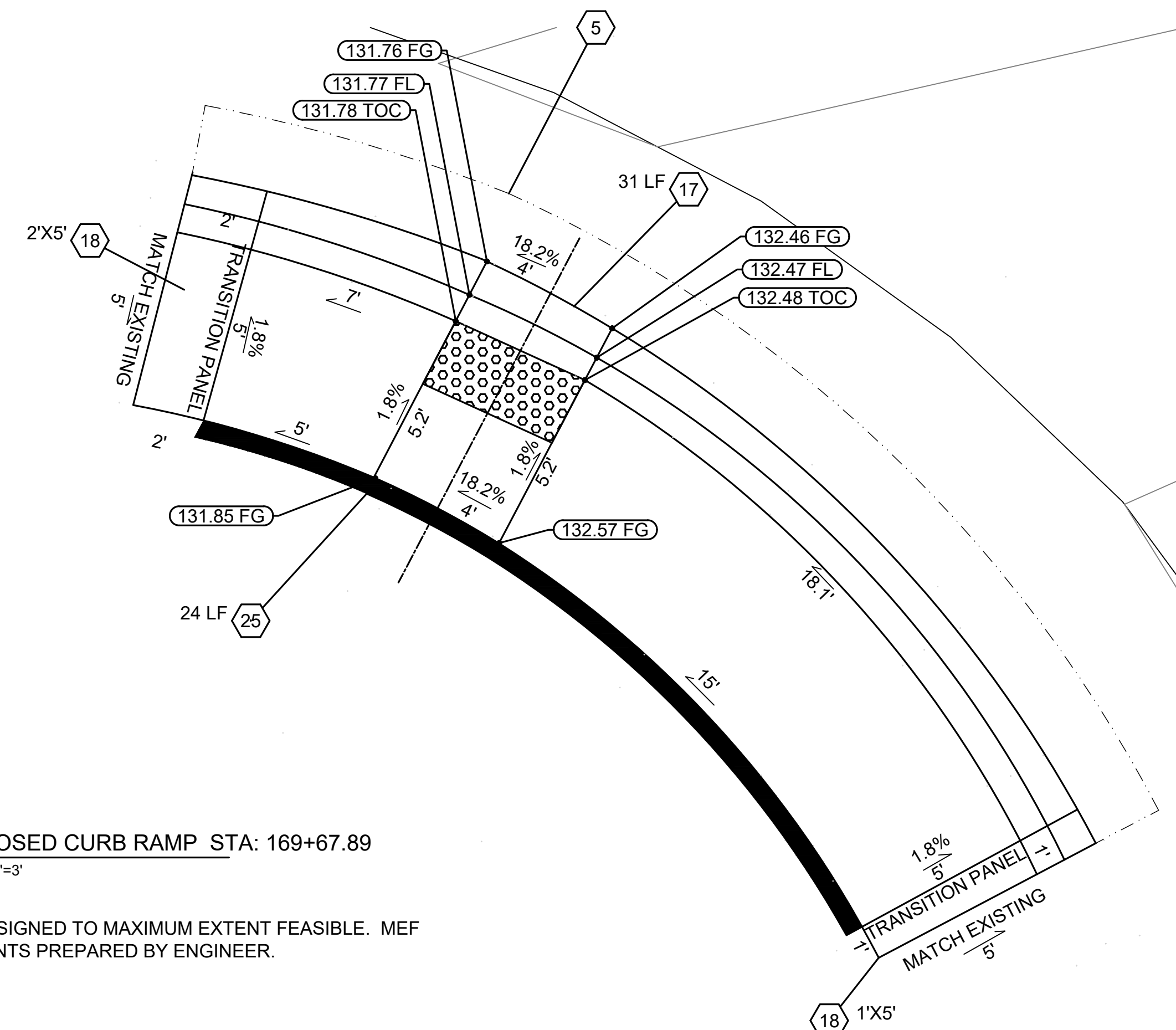
2023 OVERLAY PROJECT
CR-E-01
RAMPS 1 & 2

CITY PROJECT #
12523
SHT. 42
OF 98



3 EXISTING CURB RAMP, 169+78, 12.7 L
SCALE: 1"=10'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



4 PROPOSED CURB RAMP STA: 169+67.89
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
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100% DESIGN

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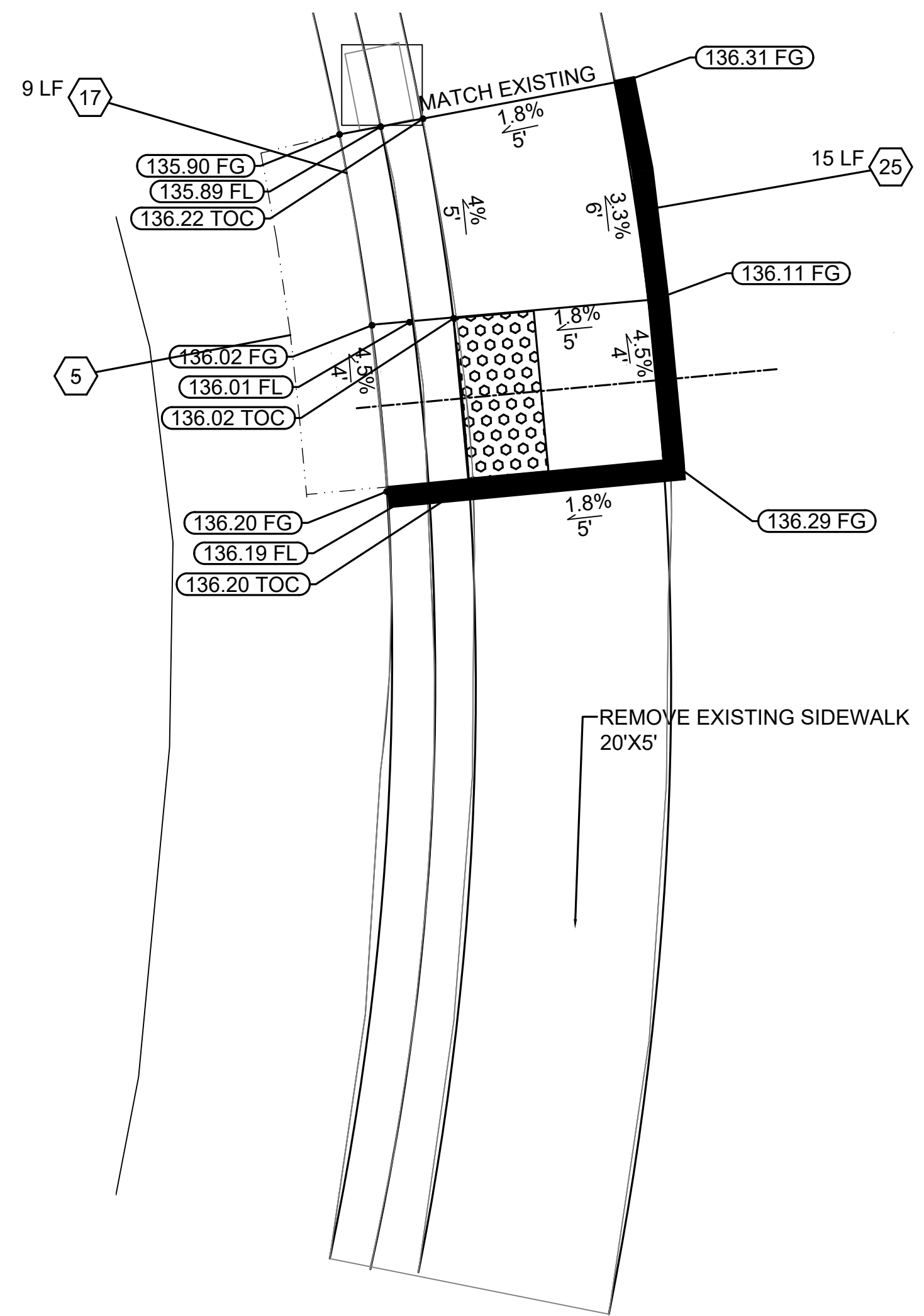
DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

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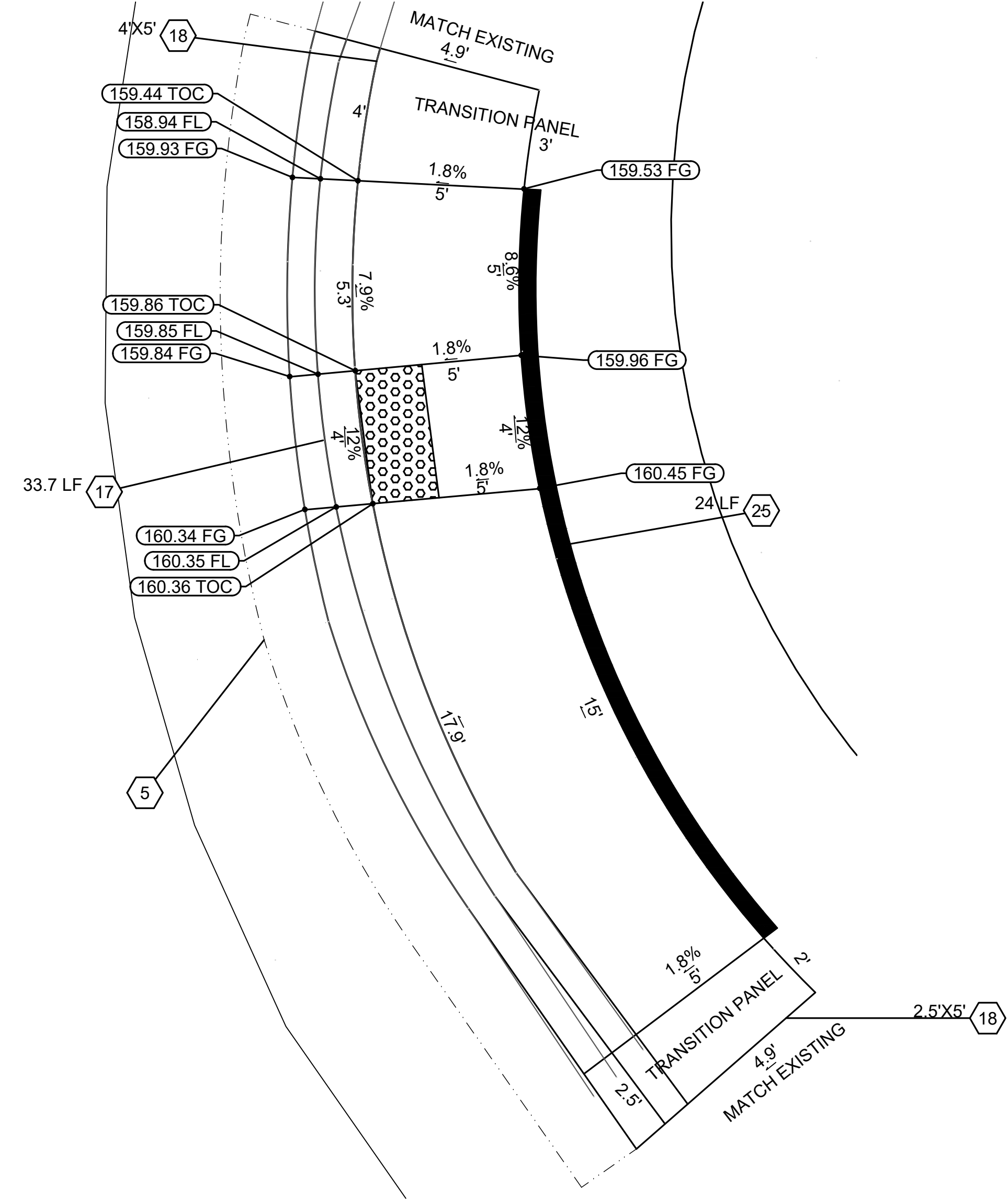
2023 OVERLAY PROJECT
CR-E-02
RAMPS 3 & 4

CITY PROJECT #
12523
SHT. **43**
OF **98**



5 EXISTING CURB RAMP, 186+86, 13.7' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



6 PROPOSED CURB RAMP STA: 183+94.60, 21.68' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

X	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
- SEE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STD PLAN F-10.12-03 FOR DEPRESSED CURB SECTION AND CEMENT CONCRETE PEDESTRIAN CURB DETAILS. SEE CFW STD DET 3-4 FOR CURB AND GUTTER AND CEMENT CONCRETE BARRIER CURB DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

100% DESIGN



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Federal Way, WA 98003-6325
(253) 835-2700
www.cityoffederalway.com



DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

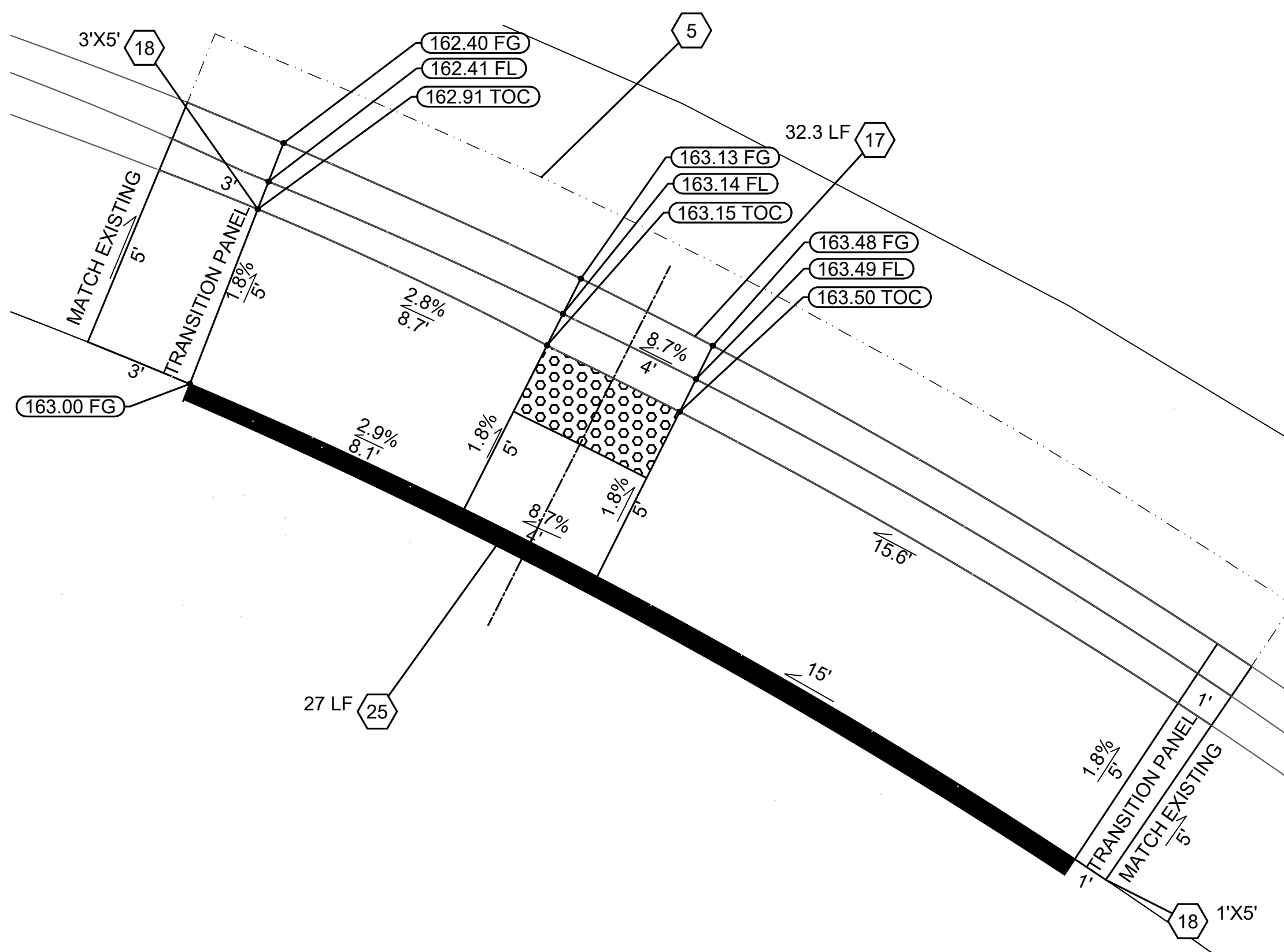


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2023 OVERLAY PROJECT

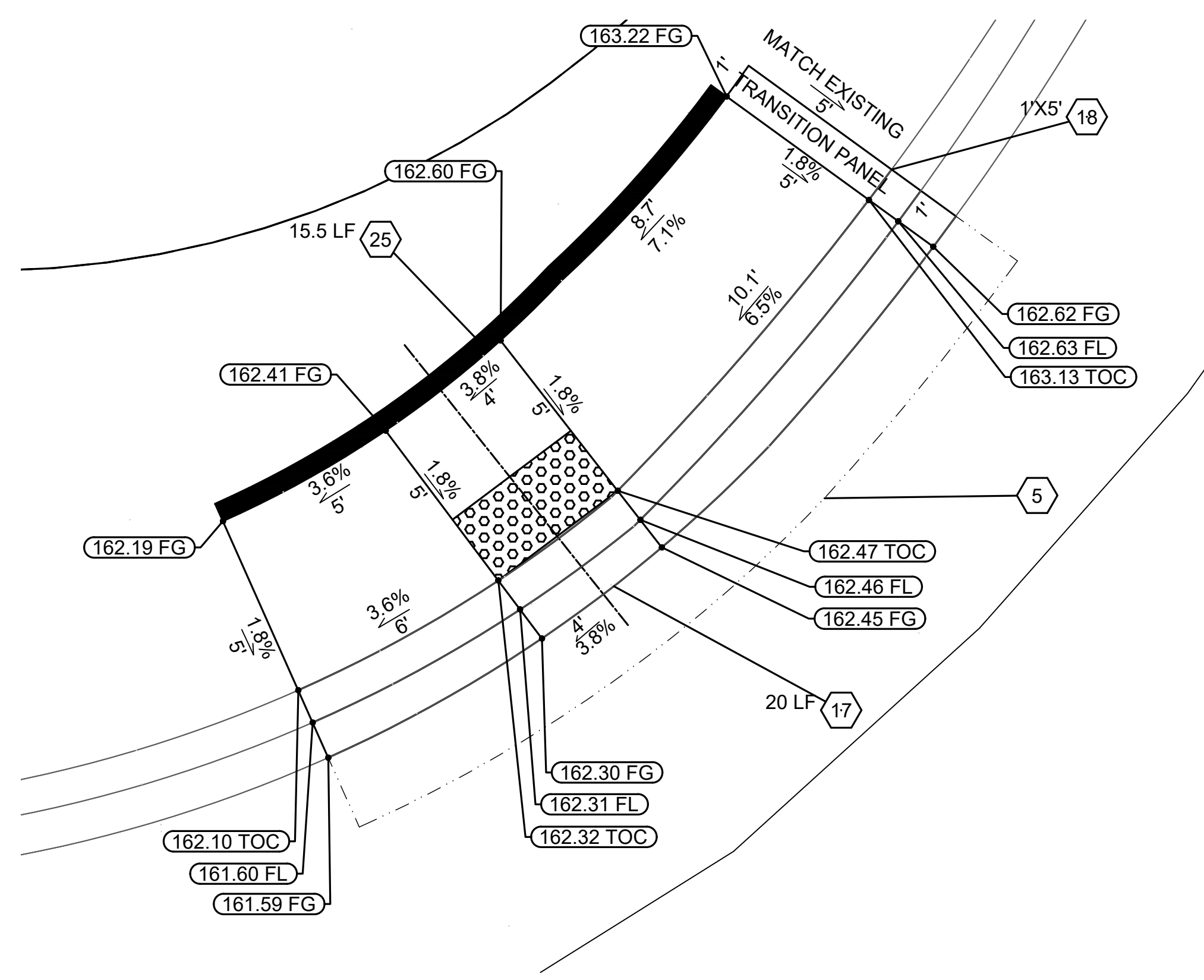
**CR-E-03
RAMPS 5 & 6**

CITY PROJECT #
12523
SHT. 44
OF 98



7 EXISTING CURB RAMP STA: 173+16.41
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



8 PROPOSED CURB RAMP STA: 187+19.72, 22.2' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

- FL = GUTTER FLOW LINE**
TOC = TOP OF CURB
FG = FINISH GRADE
- CURB RAMP NOTES**
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 - INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
 - CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

Christine Mullen
11 Feb 2023

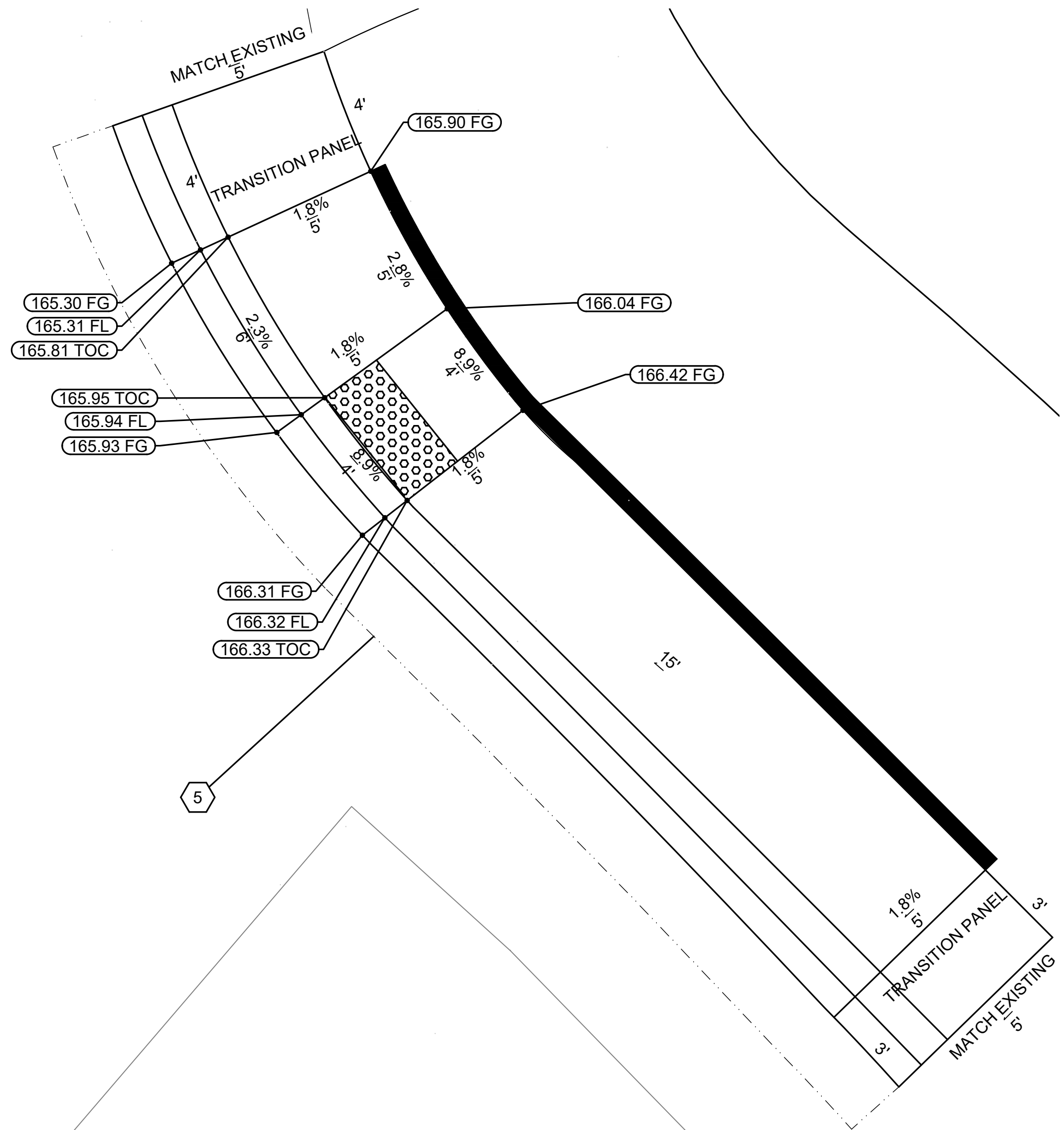
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2023 OVERLAY PROJECT

CR-E-04 RAMPS 7 & 8

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CITY PROJECT #
12523
SHT. 45
OF 98

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9 PROPOSED CURB RAMP STA: 173+52.62
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
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- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

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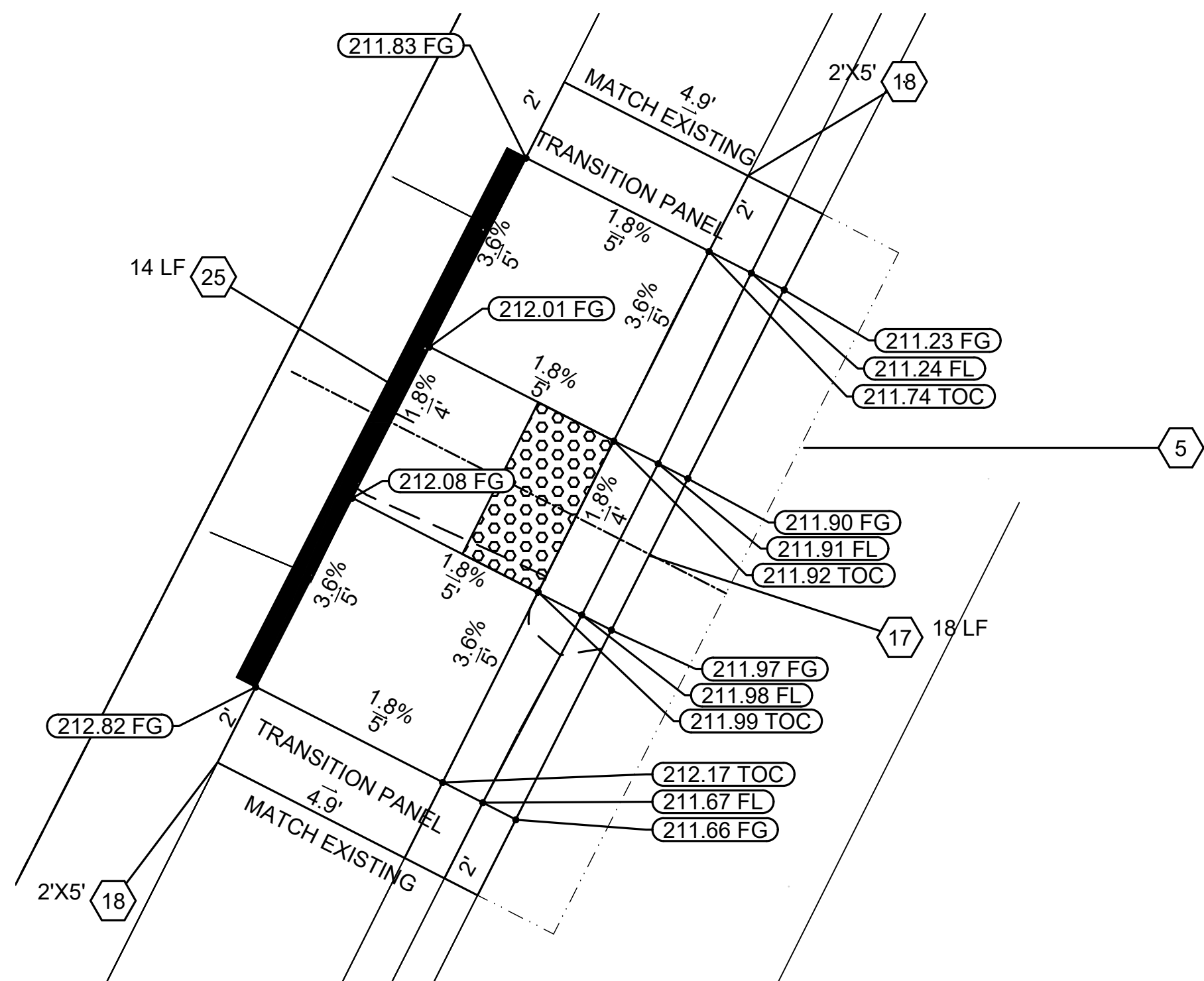
DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

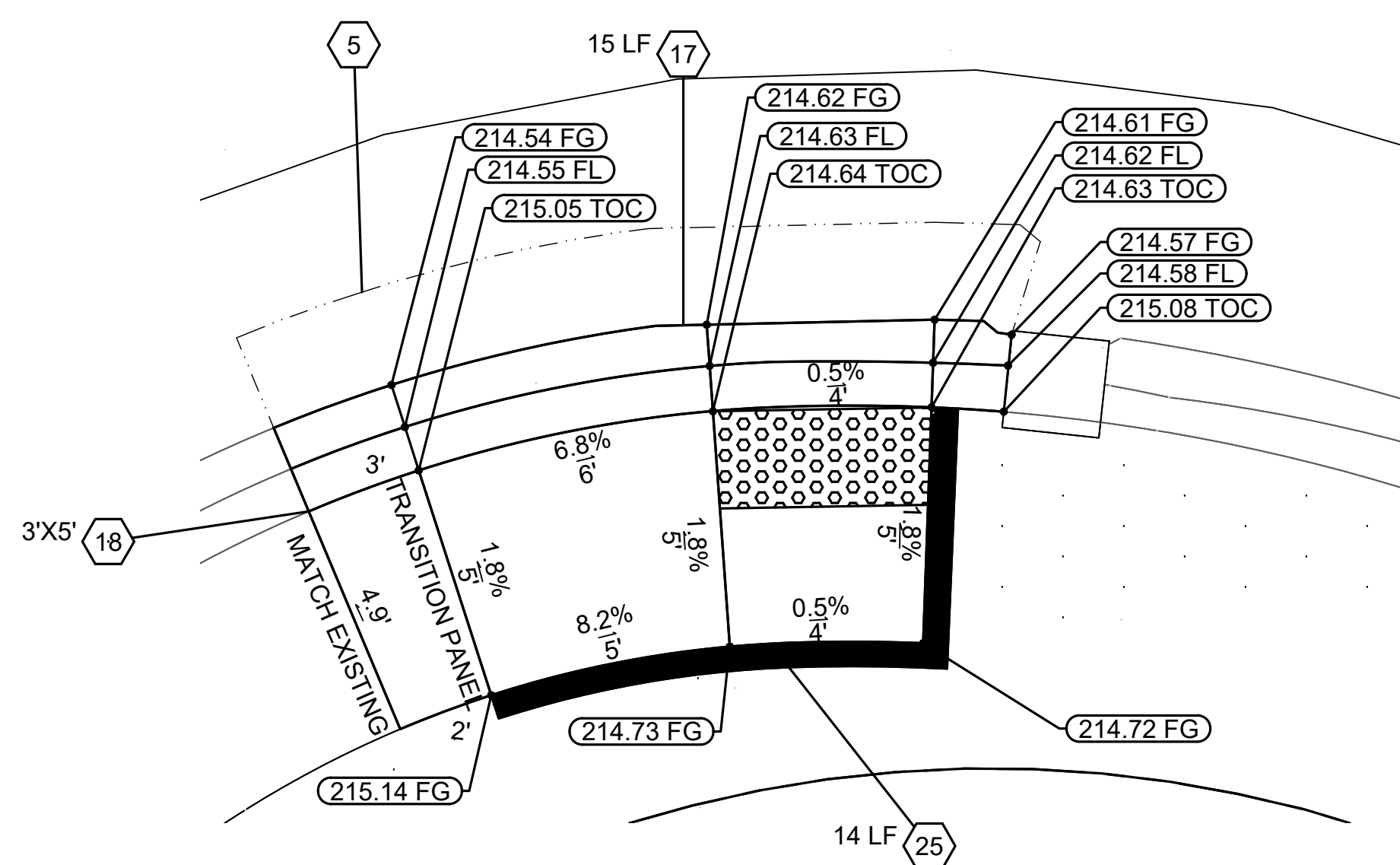
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NO.	DATE	REVISION

2023 OVERLAY PROJECT
CR-E-05
RAMP 9

CITY PROJECT #
12523
SHT. 46
OF 98



10 EXISTING CURB RAMP STA: 178+23.53
SCALE: 1"=3'



11 PROPOSED CURB RAMP STA: 178+65.16, 30.18' L
SCALE: 1"=3'

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

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APPROVED: D. WINKLER



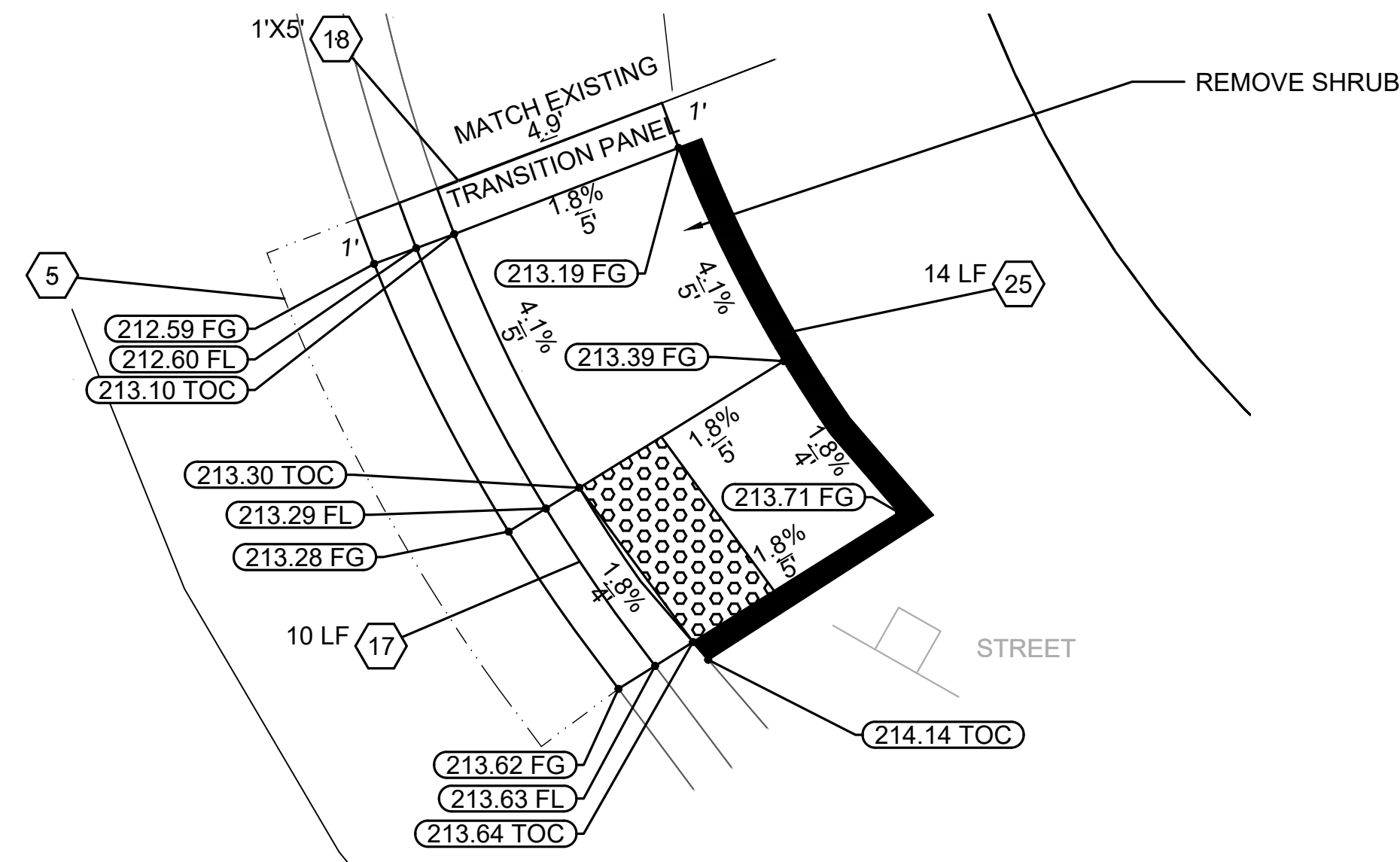
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NO.	DATE	REVISION

2023 OVERLAY PROJECT

CR-E-06
RAMPS 10 & 11

CITY PROJECT #
12523
SHT. 47
OF 98



12 PROPOSED CURB RAMP STA: 178+26, 30.7 L
SCALE: 1"=3'

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

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- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



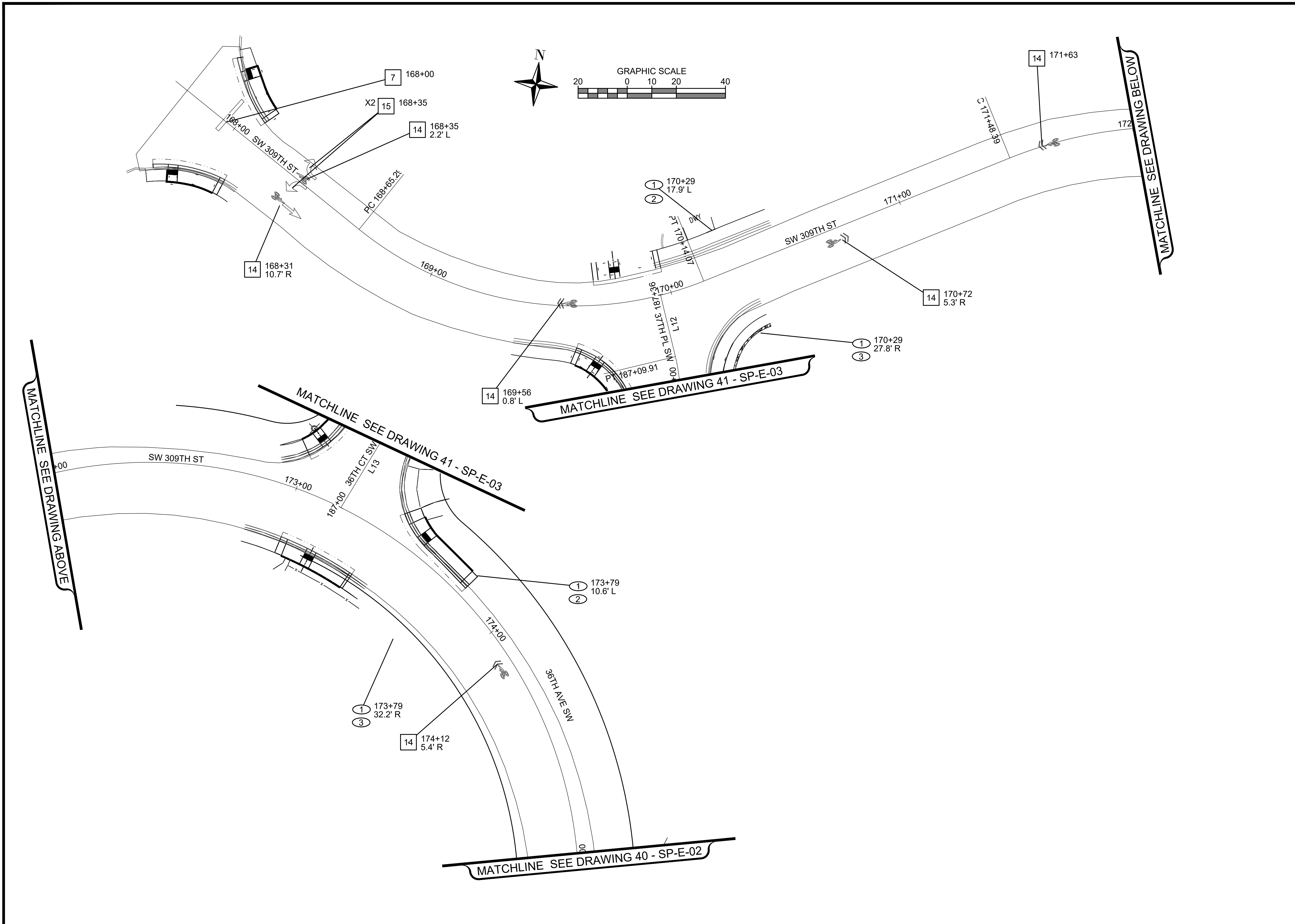
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NO.	DATE	REVISION

2023 OVERLAY PROJECT

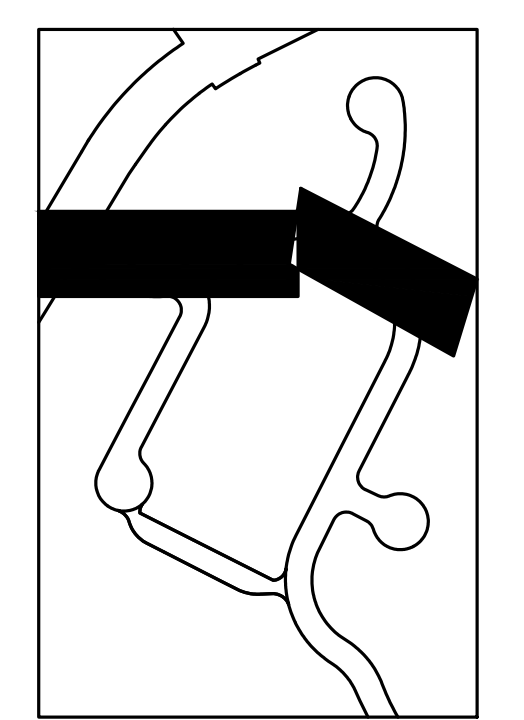
CR-E-07
RAMP 12

CITY PROJECT #
12523
SHT. 48
OF 98



X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PAINTED EDGE LINE (MATERIAL TYPE D)
4	PAINTED DOUBLE YELLOW CENTERLINE
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER WSDOT STD. PLAN M-24-60-04 (MATERIAL TYPE A). INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)

- SIGN NOTES:
- ① NO PED CROSSING SIGN, WSDOT R9-3A
 - ② USE CROSSWALK SIGN, WSDOT R9-3B L
 - ③ USE CROSSWALK SIGN, WSDOT R9-3B R



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

PM-E-01
CHAN PLAN

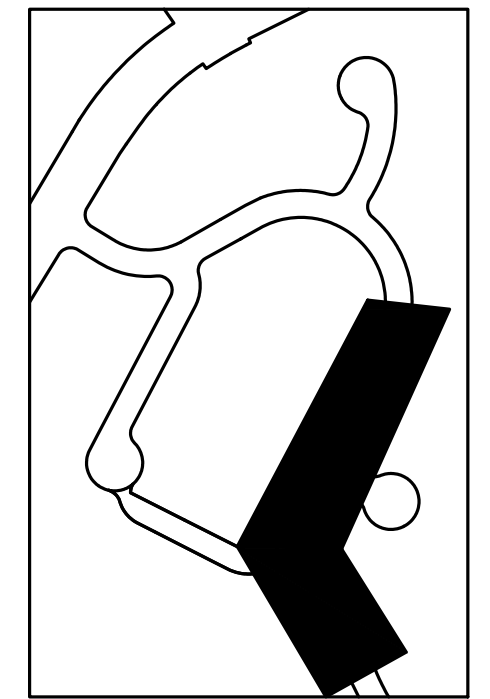
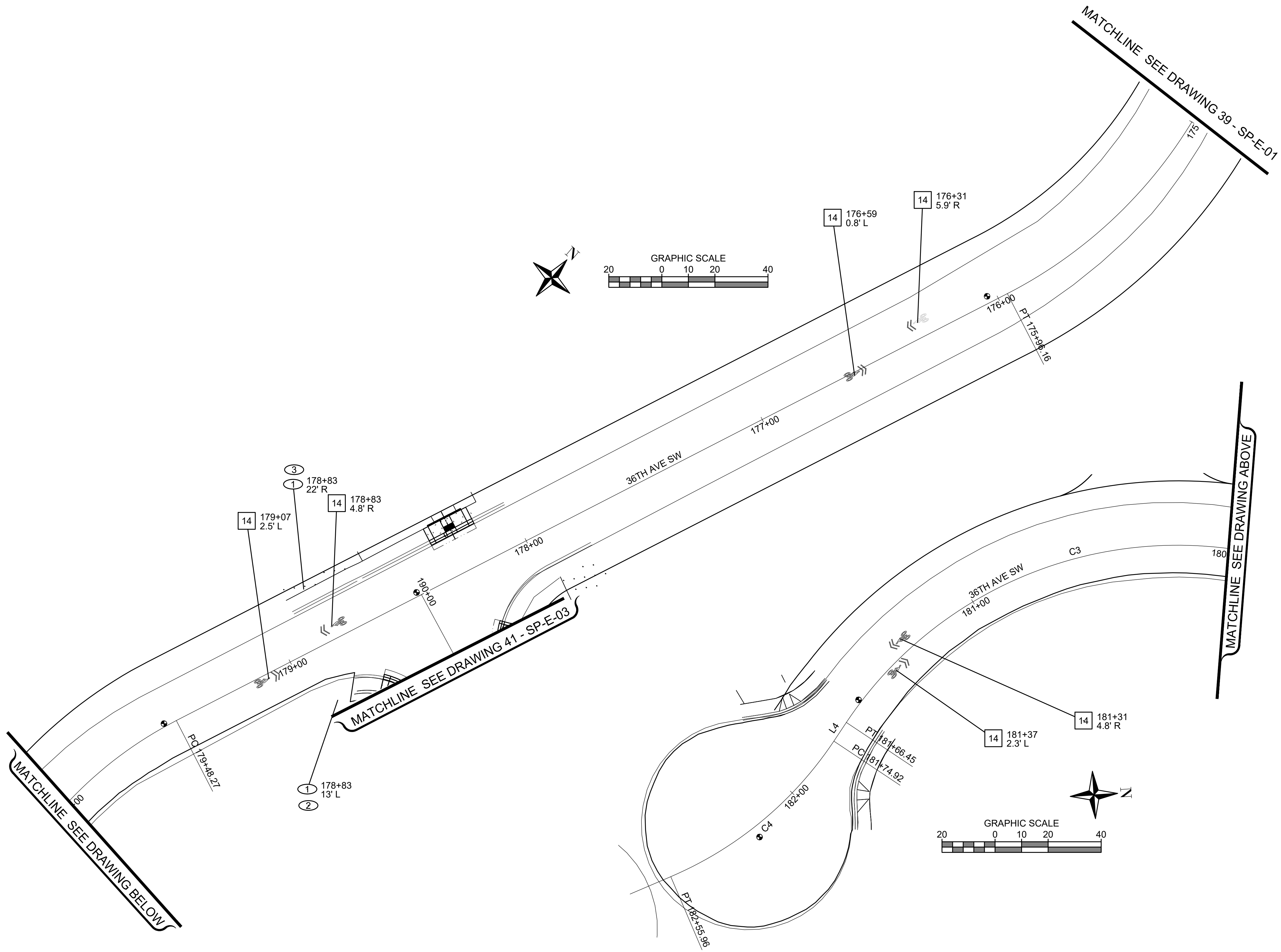
CITY PROJECT #
12523

SHT. 49
OF 98

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X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PAINTED EDGE LINE (MATERIAL TYPE D)
4	PAINTED DOUBLE YELLOW CENTERLINE
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER WSDOT STD. PLAN M-24-60-04 (MATERIAL TYPE A). INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)

- SIGN NOTES:
- ① NO PED CROSSING SIGN, WSDOT R9-3A
 - ② USE CROSSWALK SIGN, WSDOT R9-3B L
 - ③ USE CROSSWALK SIGN, WSDOT R9-3B R



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REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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NO.	DATE	REVISION

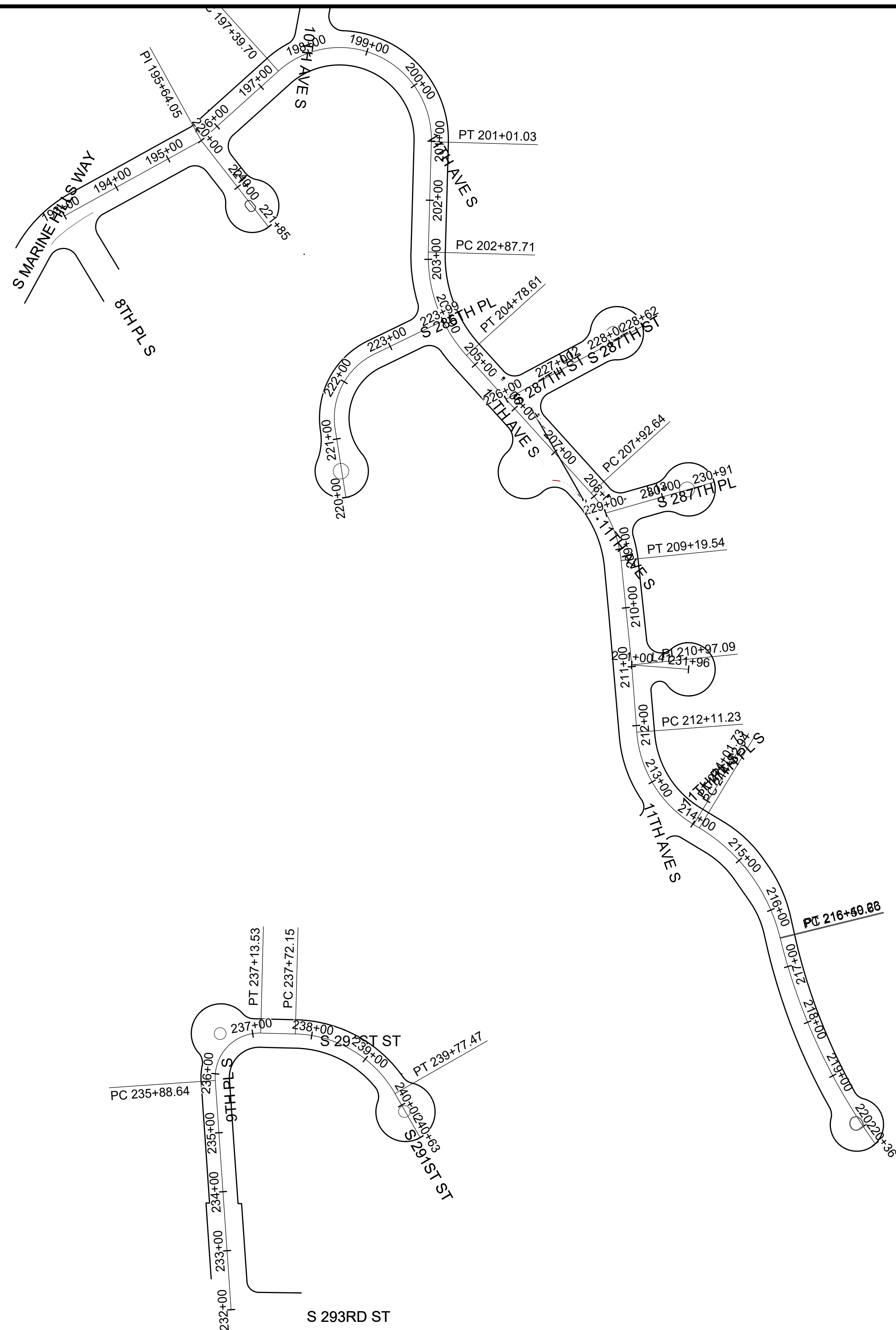
2023 OVERLAY PROJECT

**PM-E-02
CHAN PLAN**

CITY PROJECT #
12523

SHT. **50**
OF **98**

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F1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L2	193+00.00	195+64.05	N/A	N/A	264.05'	N61° 09' 03.99"E	129442.30'	1270757.93'	129569.71'	1270989.22'
L3	195+64.05	197+39.70	N/A	N/A	175.65'	N48° 01' 23.65"E	129569.71'	1270989.22'	129687.18'	1271119.80'
C36	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C31	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C26	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C21	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C16	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C11	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
C1	197+39.70	201+01.03	133.5666 (d)	155.00'	361.33'	N/A	129687.18'	1271119.80'	129567.65'	1271378.41'
L4	201+01.03	202+87.71	N/A	N/A	186.68'	S1° 35' 23.24"W	129567.65'	1271378.41'	129381.05'	1271373.23'
C37	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C32	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C27	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C22	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C17	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C12	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
C2	202+87.71	204+78.61	43.7500 (d)	250.00'	190.90'	N/A	129381.05'	1271373.23'	129206.31'	1271437.81'
L37	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
L33	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
L29	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'

100% DESIGN



DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER



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NO.	DATE	REVISION

2023 OVERLAY PROJECT

SC-F-01
 SURV.CONT. & KEY

CITY PROJECT #
 12523

SHT. 51
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F1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L25	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
L21	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
L17	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
L5	204+78.61	207+92.64	N/A	N/A	314.04'	S42° 09' 36.92"E	129206.31'	1271437.81'	128973.52'	1271648.60'
C38	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C33	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C28	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C23	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C18	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C13	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
C3	207+92.64	209+19.54	36.3545 (d)	200.00'	126.90'	N/A	128973.52'	1271648.60'	128859.51'	1271699.32'
L6	209+19.54	210+97.09	N/A	N/A	177.55'	S5° 48' 20.82"E	128859.51'	1271699.32'	128682.88'	1271717.28'
L38	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L34	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L30	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L26	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L22	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L18	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
L7	210+97.09	212+11.23	N/A	N/A	114.14'	S4° 20' 51.80"E	128682.88'	1271717.28'	128569.06'	1271725.93'
C39	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'

F1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C34	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
C29	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
C24	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
C19	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
C14	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
C4	212+11.23	214+01.73	54.5746 (d)	200.00'	190.50'	N/A	128569.06'	1271725.93'	128412.93'	1271822.11'
L39	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L35	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L31	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L27	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L23	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L19	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
L8	214+01.73	214+12.94	N/A	N/A	11.21'	S58° 55' 20.31"E	128412.93'	1271822.11'	128407.15'	1271831.71'
C40	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C35	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C30	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C25	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C20	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C15	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'
C5	214+12.94	216+49.23	45.1273 (d)	300.00'	236.29'	N/A	128407.15'	1271831.71'	128221.74'	1271968.20'

F1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L9	216+49.23	216+50.66	N/A	N/A	1.43'	S13° 47' 41.90"E	128221.74'	1271968.20'	128220.35'	1271968.54'
C41	216+50.66	220+35.83	22.0688 (d)	1000.00'	385.17'	N/A	128220.35'	1271968.54'	127872.94'	1272129.28'
C6	216+50.66	220+35.83	22.0688 (d)	1000.00'	385.17'	N/A	128220.35'	1271968.54'	127872.94'	1272129.28'

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DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

SC-F-02

LINE CURVE TABLE

CITY PROJECT #
12523

SHT. 52
OF 98

K:\ENGINEERING DIVISION\PROJECTS\ACTIVE\12523 - Overlay 2023\03 PEACAD\2023 Overlay Schedule F.dwg 2/10/2023 4:45 PM

F2										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L40	220+00.00	221+85.21	N/A	N/A	185.21'	S37° 55' 41.90"E	129569.71'	1270989.22'	129423.62'	1271103.06'

F3										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L10	220+00.00	221+17.07	N/A	N/A	117.07'	N8° 54' 35.72"W	128966.15'	1271233.85'	129081.81'	1271215.72'
C8	221+17.07	222+69.96	72.9979 (d)	120.00'	152.89'	N/A	129081.81'	1271215.72'	129208.34'	1271281.83'
C7	221+17.07	222+69.96	72.9979 (d)	120.00'	152.89'	N/A	129081.81'	1271215.72'	129208.34'	1271281.83'
L11	222+69.96	223+99.39	N/A	N/A	129.43'	N64° 05' 16.66"E	129208.34'	1271281.83'	129264.90'	1271398.25'

F4										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L12	226+00.00	228+61.59	N/A	N/A	261.59'	N61° 50' 21.73"E	129132.21'	1271504.91'	129255.67'	1271735.53'

F5										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L13	229+00.00	230+90.69	N/A	N/A	190.69'	N74° 05' 21.40"E	128939.72'	1271673.29'	128992.00'	1271856.68'

F-6										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L41	231+00.00	231+96.44	N/A	N/A	96.44'	S85° 33' 09.43"E	128682.88'	1271717.28'	128675.40'	1271813.42'

100% DESIGN



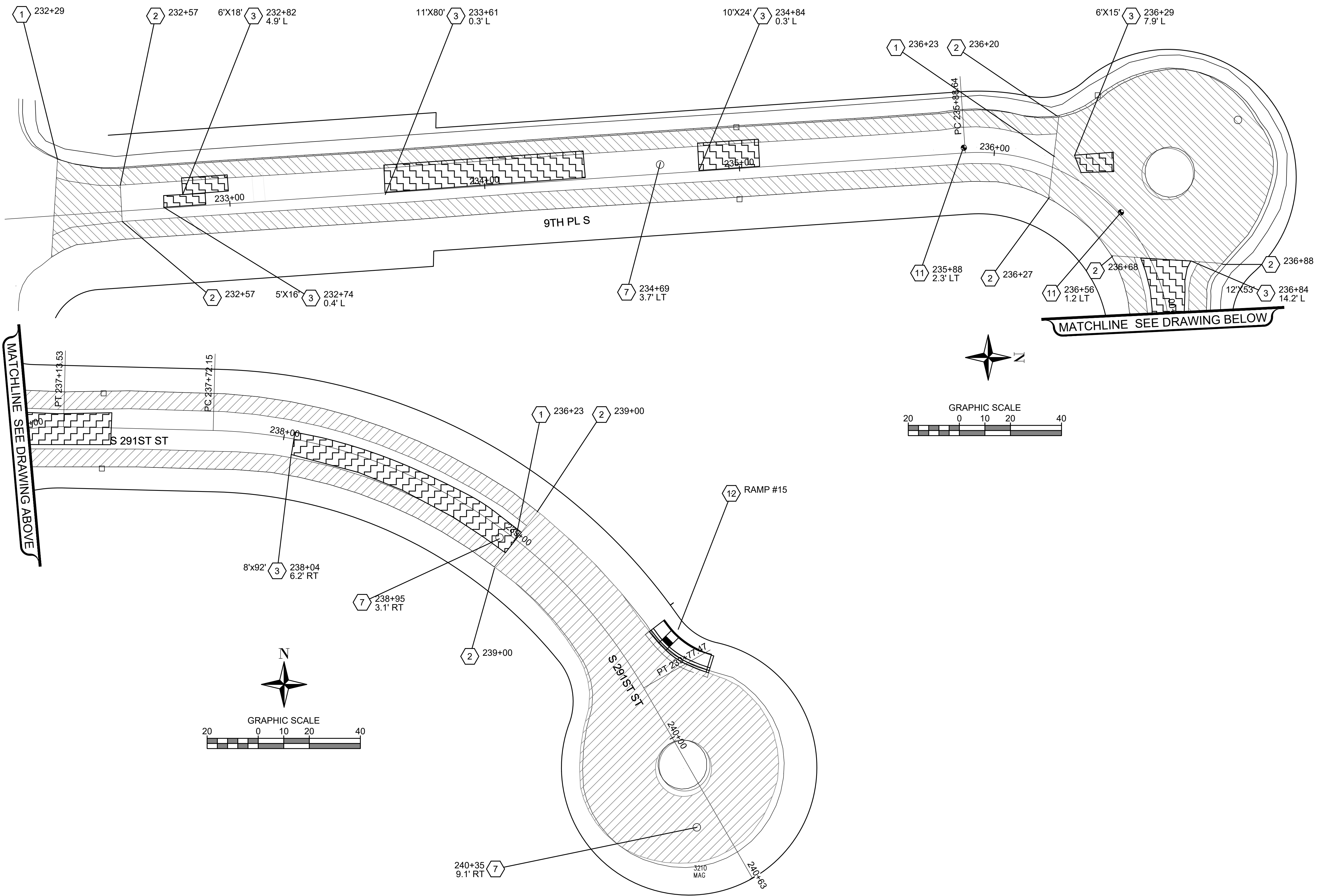
DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER



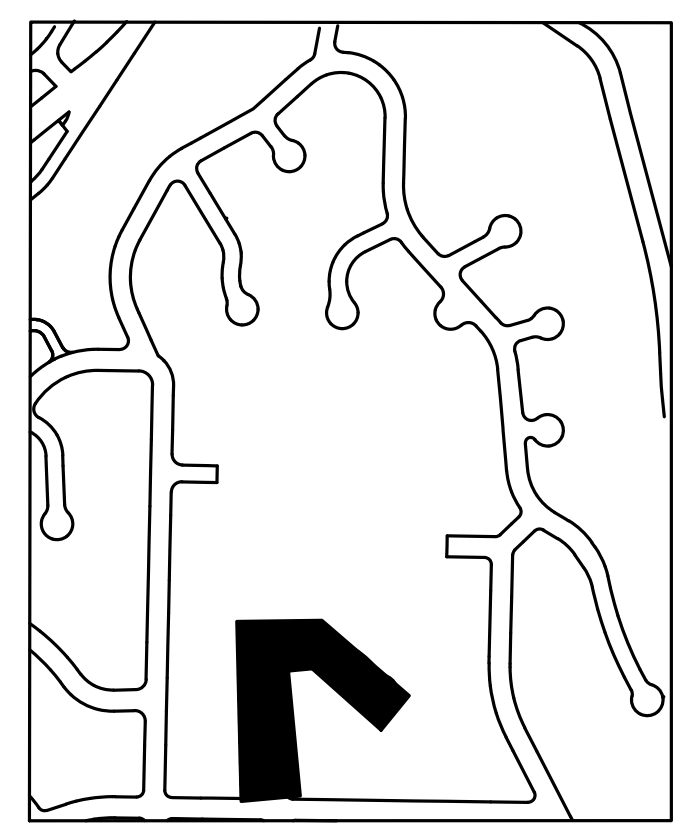
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NO.	DATE	REVISION

<h2>2023 OVERLAY PROJECT</h2> <h3>SC-F-03</h3> <h3>LINE CURVE TABLE</h3>
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CITY PROJECT #	12523
SHT. OF	53 OF 98



(X)	OVERLAY CONSTRUCTION NOTES:
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5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
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15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
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21	INSTALL MONUMENT CASE, COVER, AND PIPE
22	DETECTOR LOOPS, PER CFW STD. DETAIL 3-44
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL



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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

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NO.	DATE	REVISION

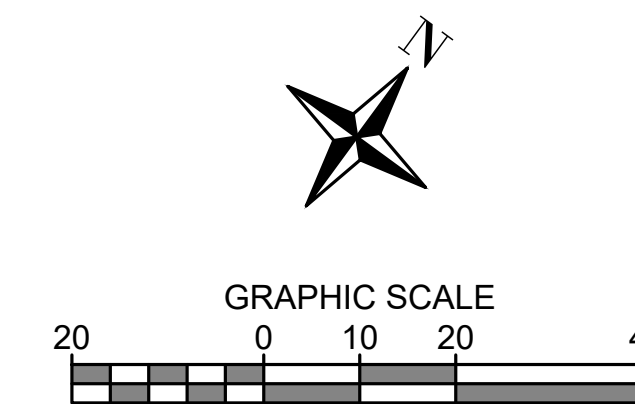
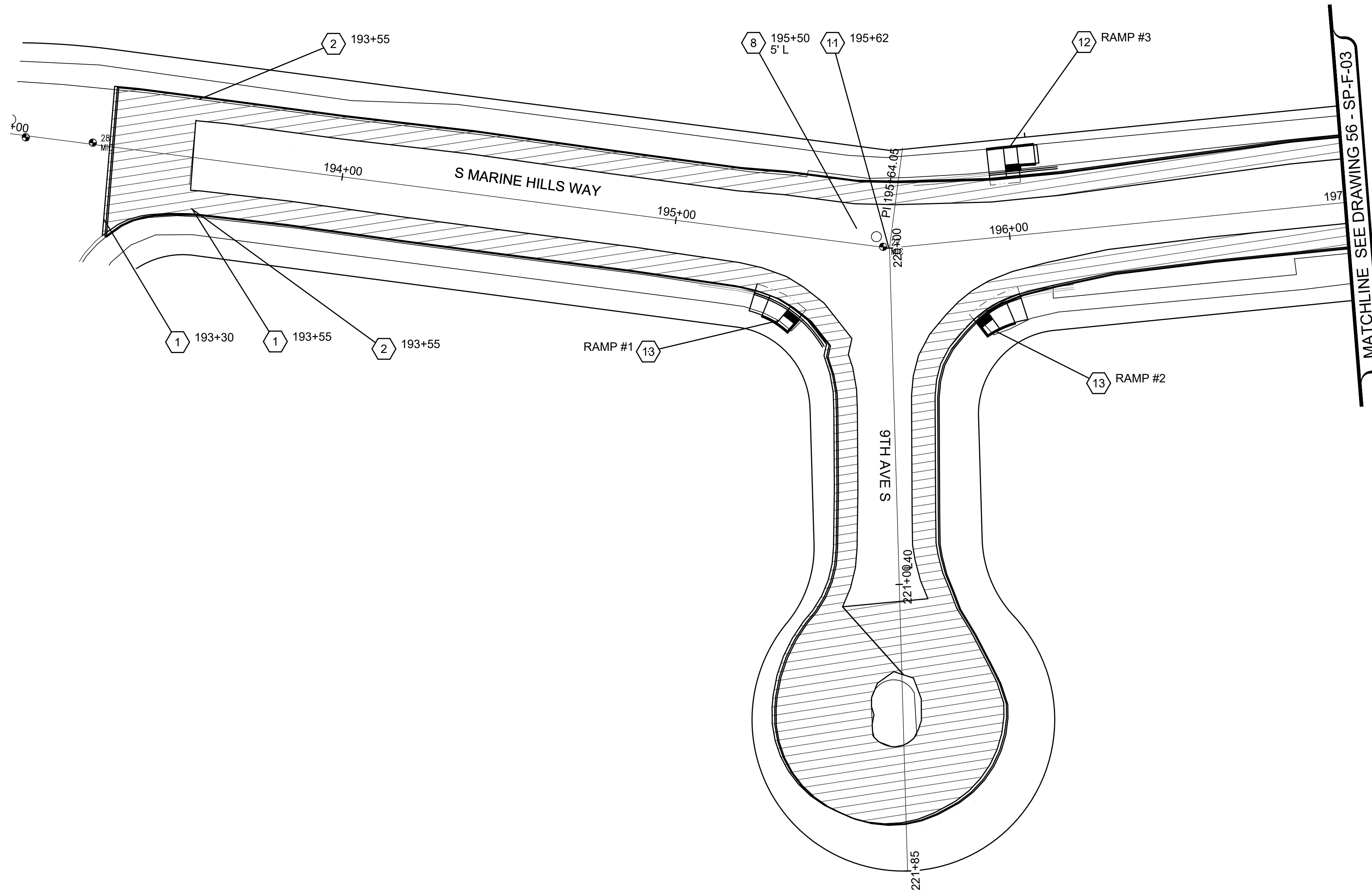
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SP-F-01
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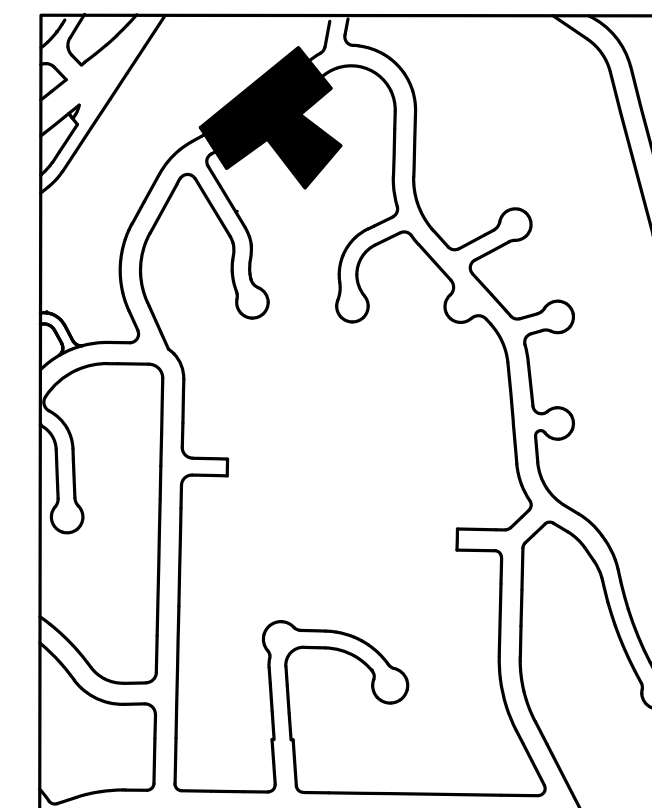
CITY PROJECT #
12523

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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



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2023 OVERLAY PROJECT

SP-F-02

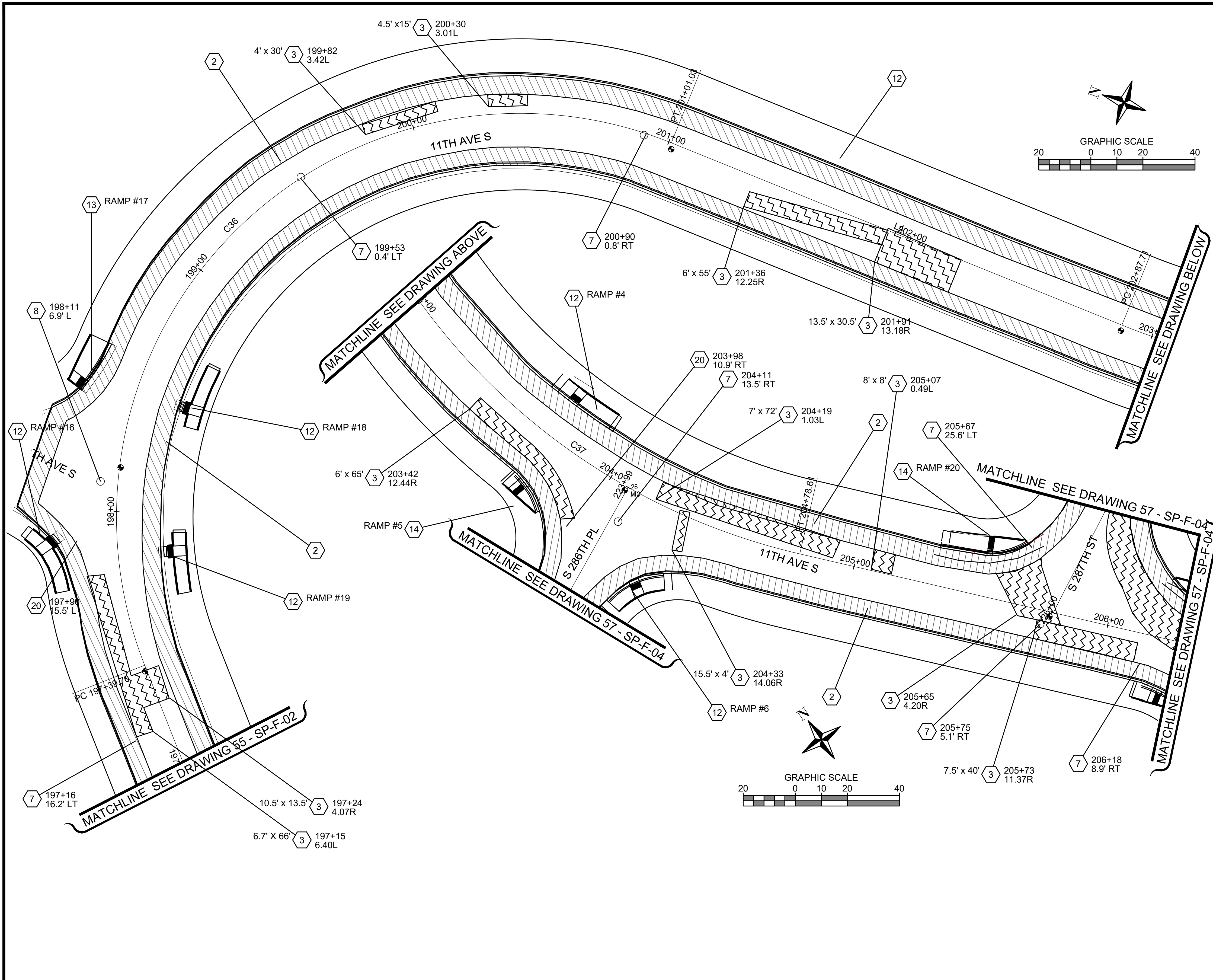
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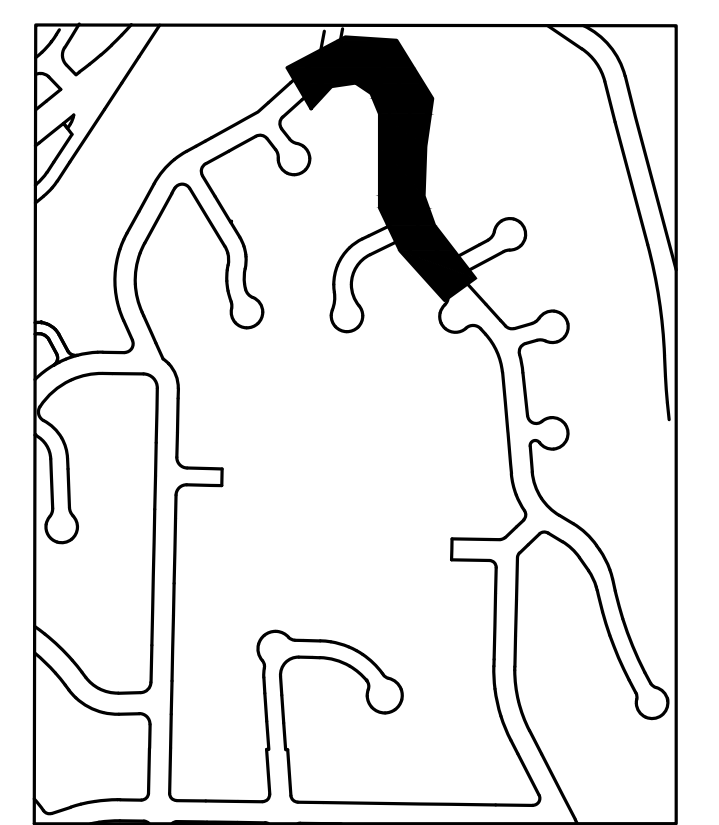
12523

SHT. 55

OF 98



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

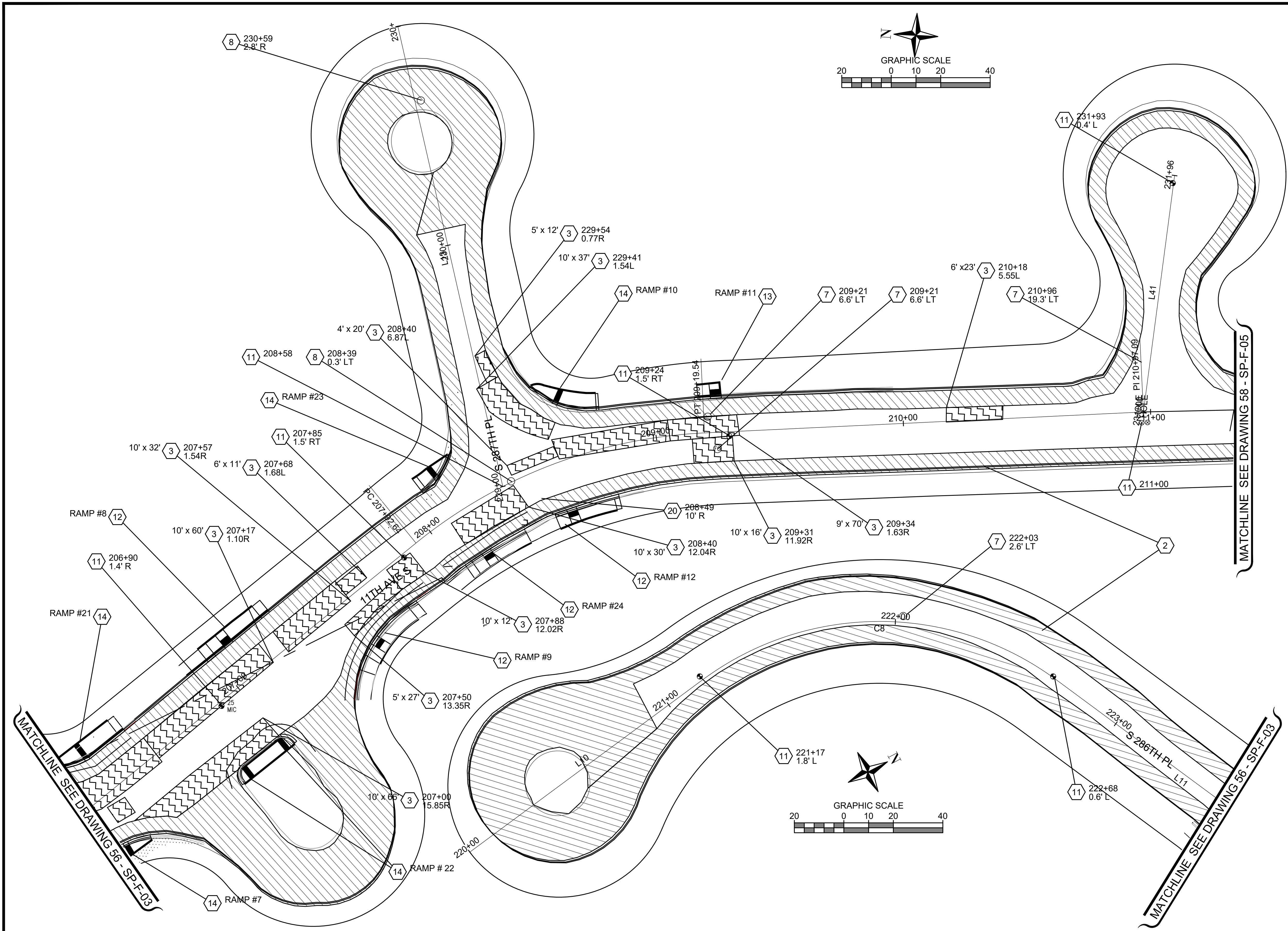
CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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NO.	DATE	REVISION

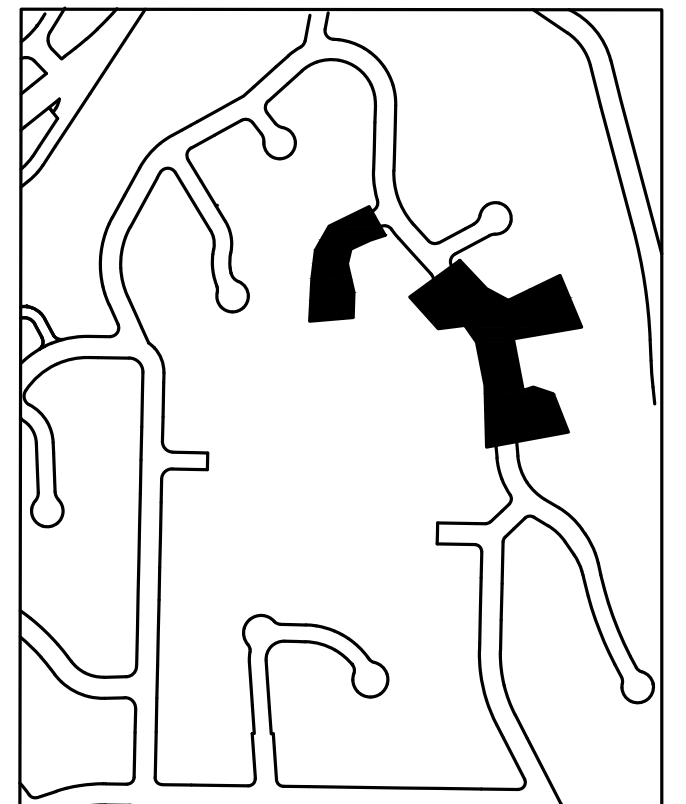
2023 OVERLAY PROJECT
SP-F-03
STA: 196+00-208+00

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12523
SHT. 56
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 DESIGNED: J. COLE
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 APPROVED: D. WINKLER

Christine J. Mullen
 11 Feb 2023

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NO.	DATE	REVISION

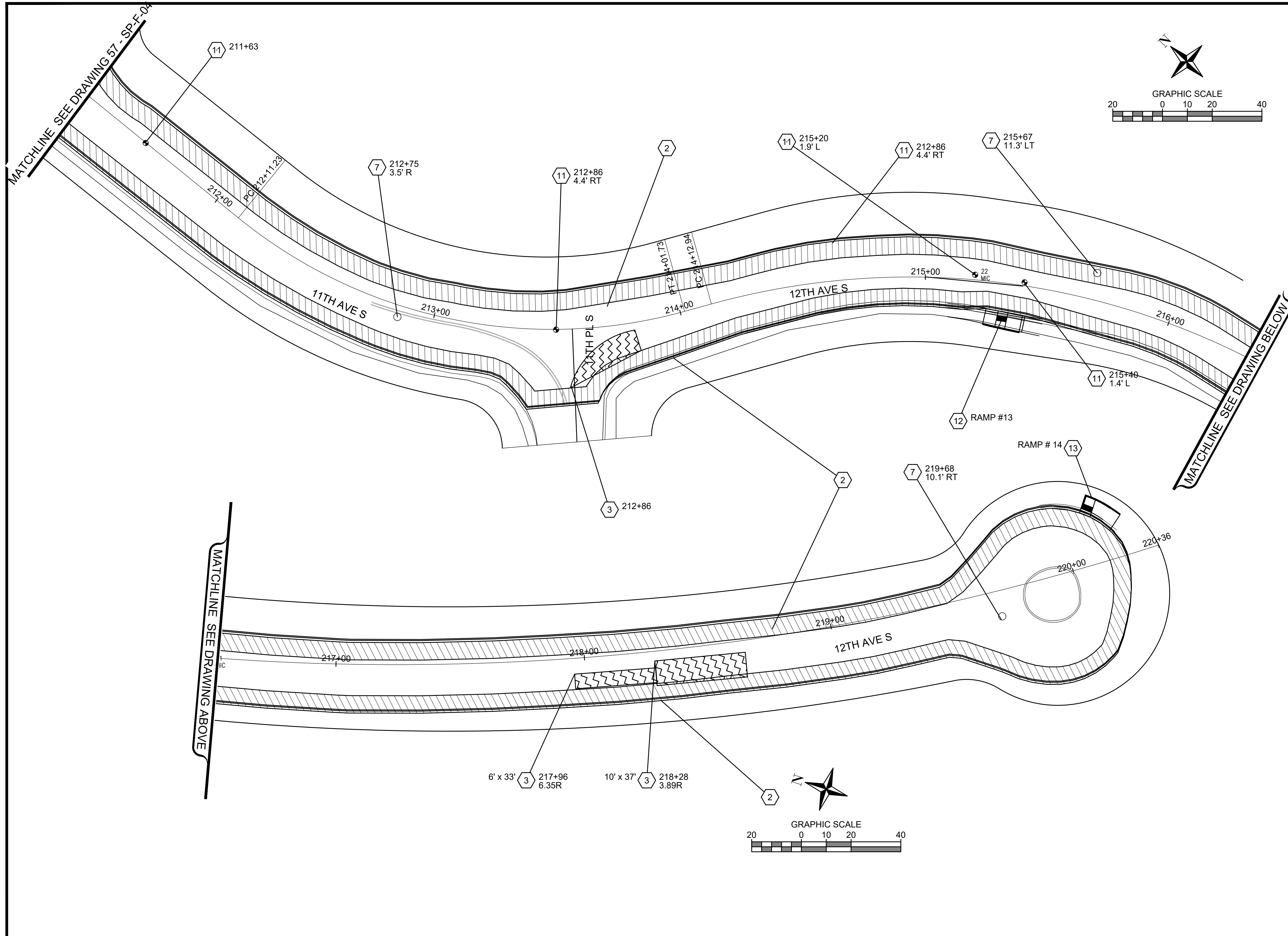
2023 OVERLAY PROJECT

SP-F-04
STA:208+00 - 218+00

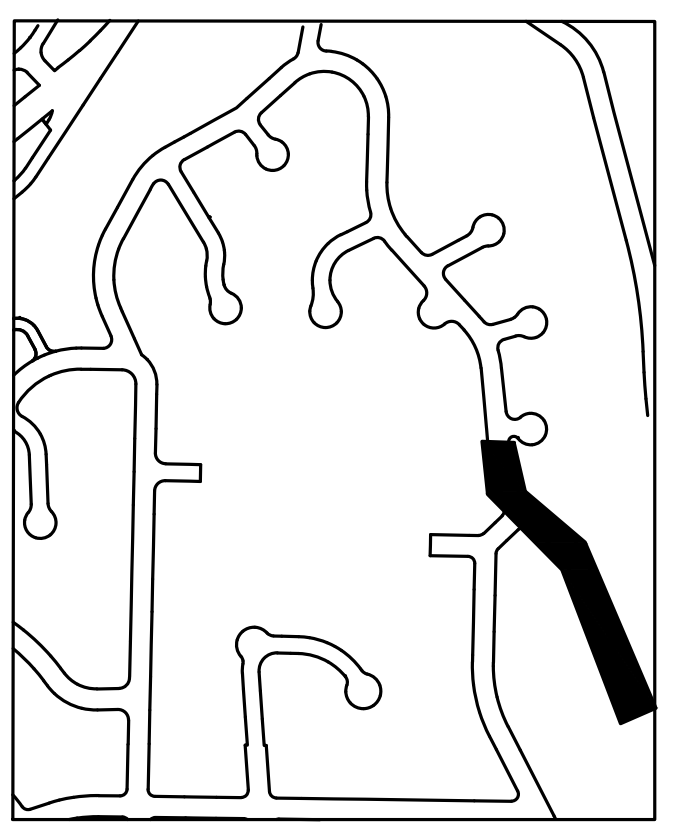
CITY PROJECT #:
12523

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7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	EXTRUDED CONC. CURB, PER CFW STD. DETAIL 3-04A
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3' WIDE MAX. BY OVERLAY DEPTH
20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	INSTALL MONUMENT CASE, COVER, AND PIPE
22	DETECTOR LOOPS, PER CFW STD. DETAIL 3-44
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL



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DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER



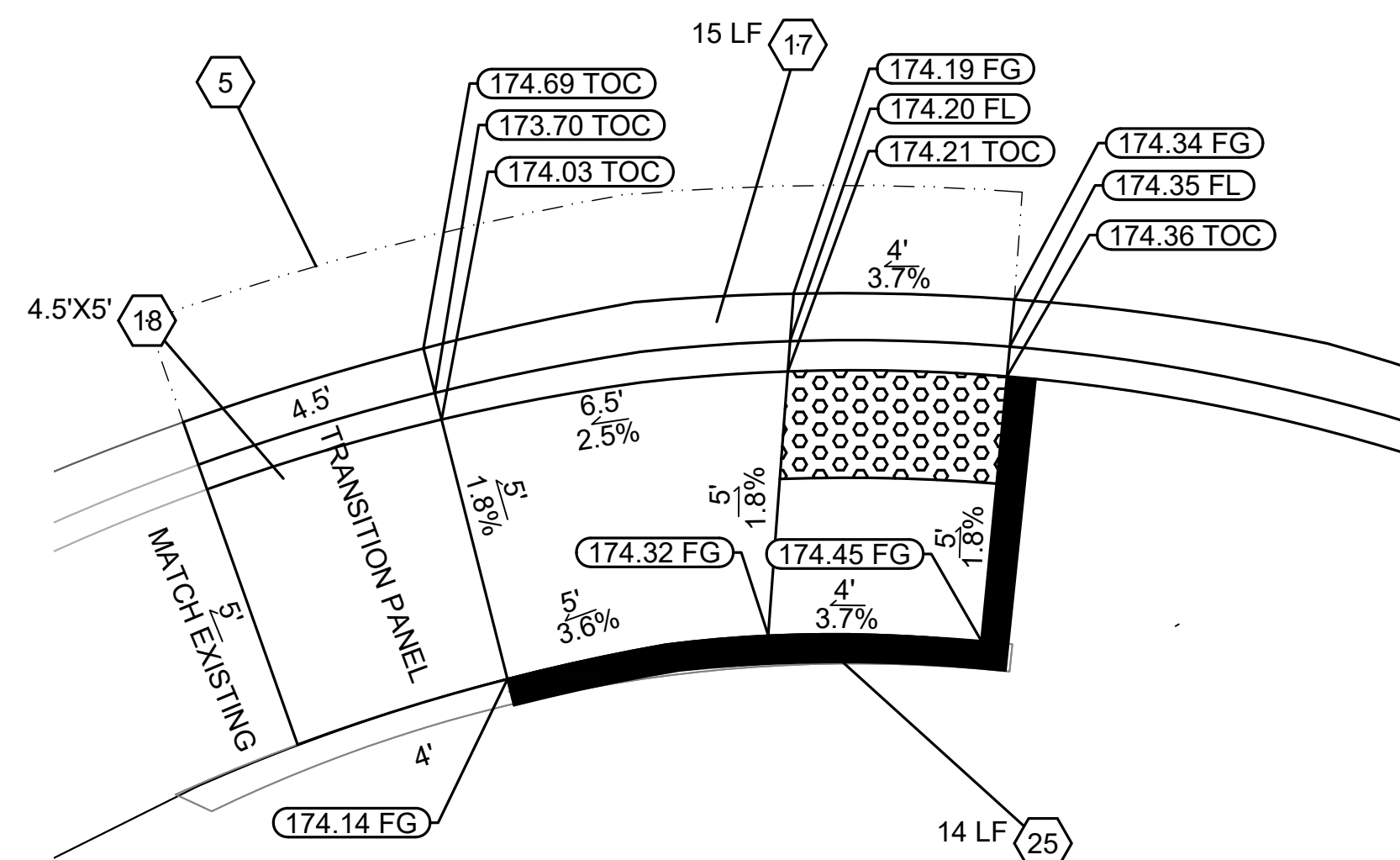
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2023 OVERLAY PROJECT

SP-F-05
 STA:218+00 - 223+99

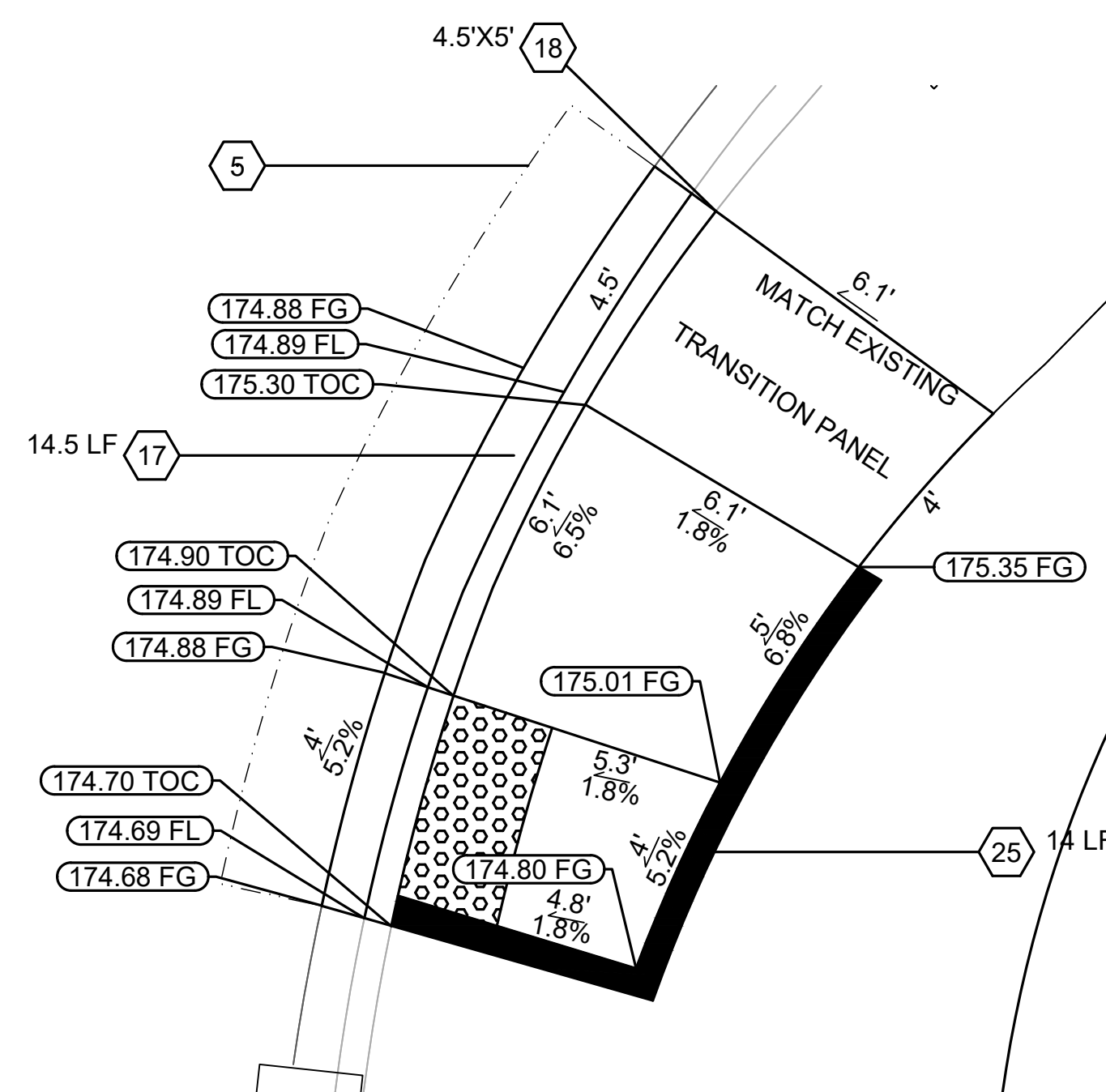
CITY PROJECT #:
 12523
 SHT. 58
 OF 98

*** PLAN CENTER COPY *** Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com



1 CURB RAMP, 195+38, 23.2' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



2 CURB RAMP, 195+91, 22.6' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
- SEE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STD PLAN F-10.12-03 FOR DEPRESSED CURB SECTION AND CEMENT CONCRETE PEDESTRIAN CURB DETAILS. SEE CFW STD DET 3-4 FOR CURB AND GUTTER AND CEMENT CONCRETE BARRIER CURB DETAILS.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD PLAN F-45.10-02.
- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

100% DESIGN



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(253) 835-2700
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APPROVED: D. WINKLER



11 Feb 2023

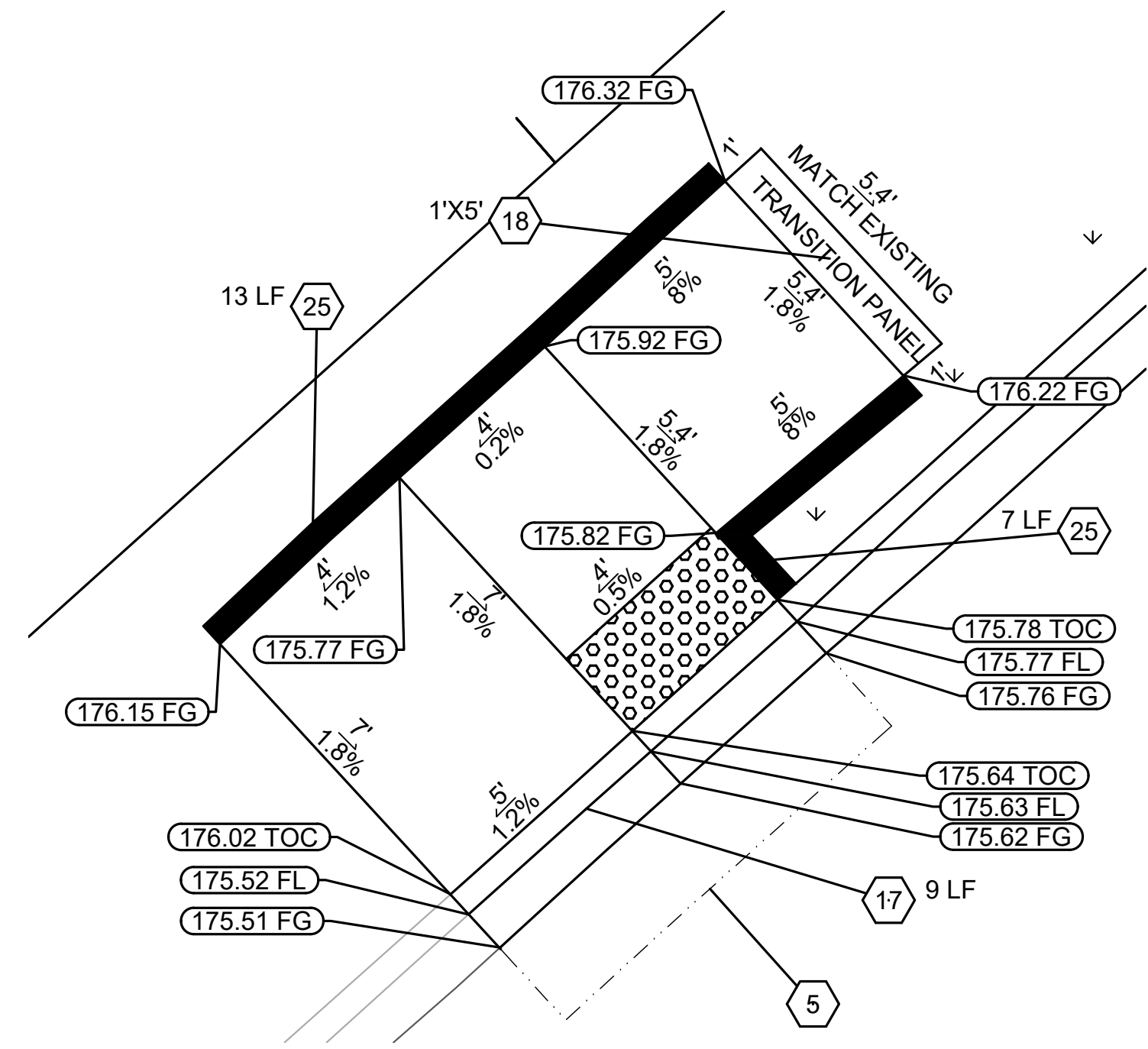
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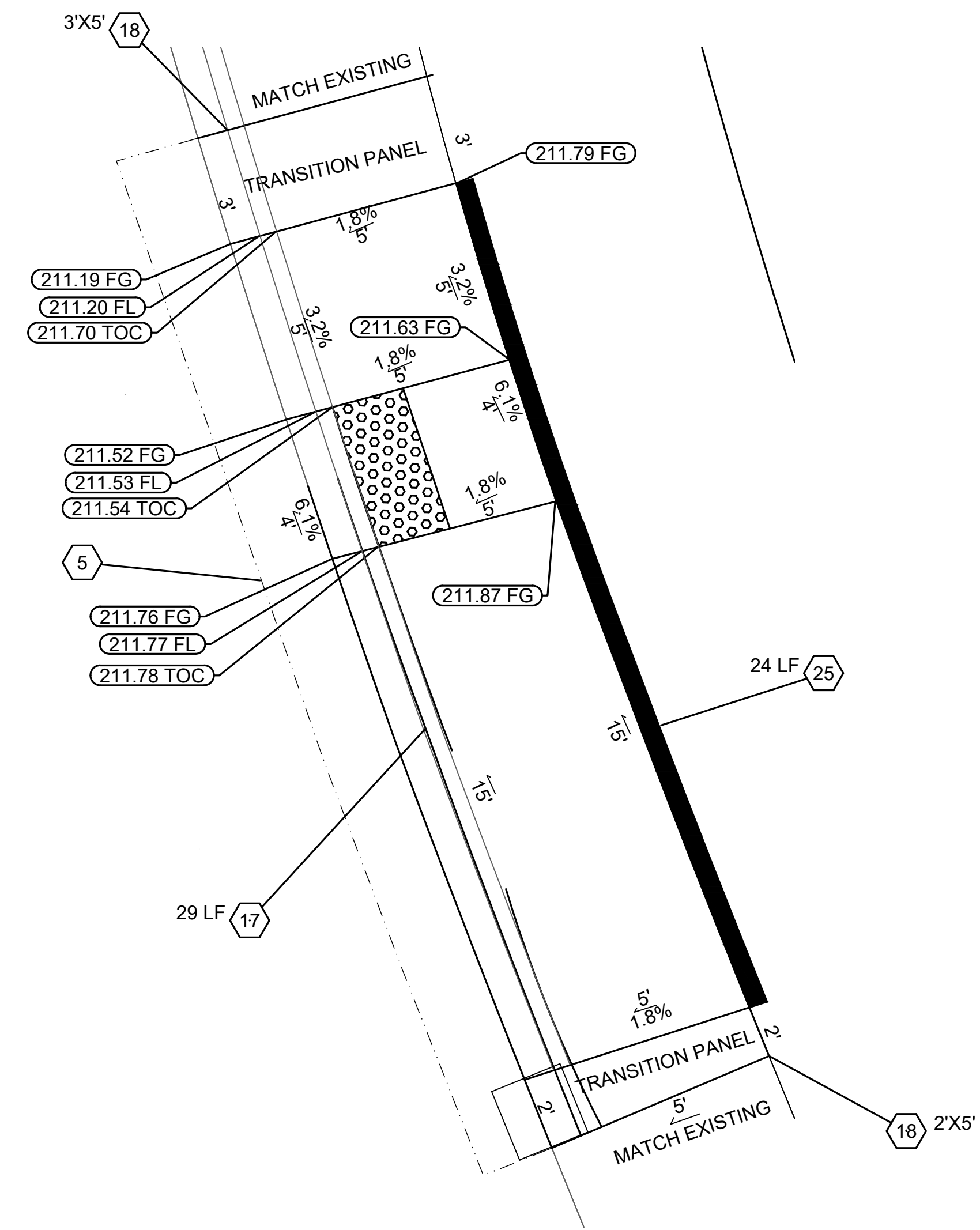
2023 OVERLAY PROJECT

CR-F-01
RAMPS 1 & 2

CITY PROJECT #:
12523
SHT. 59
OF 98



3 CURB RAMP, 196.03, 19.1' L
SCALE: 1"=3'



4 CURB RAMP, 203+71, 16.5' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
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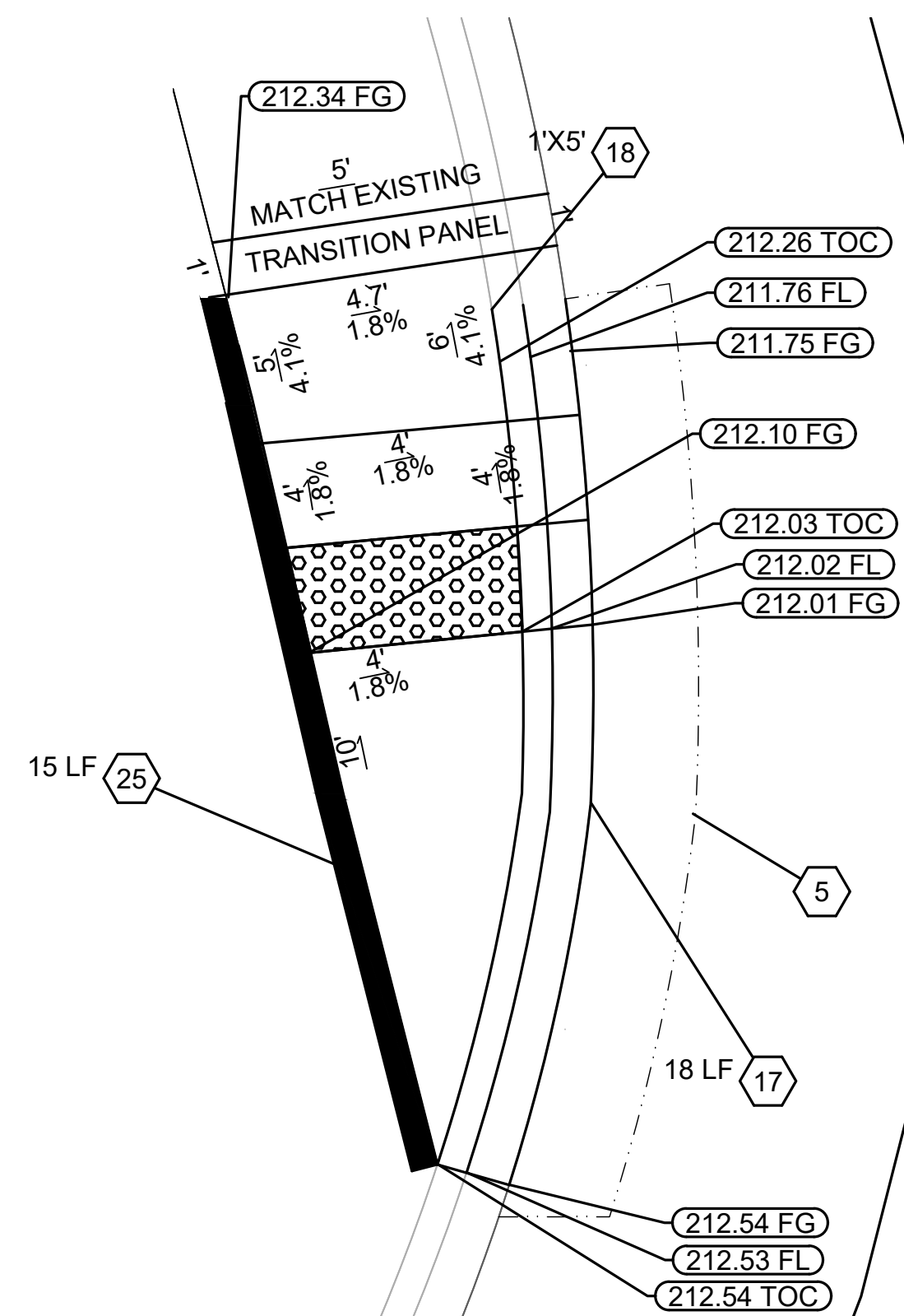
DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

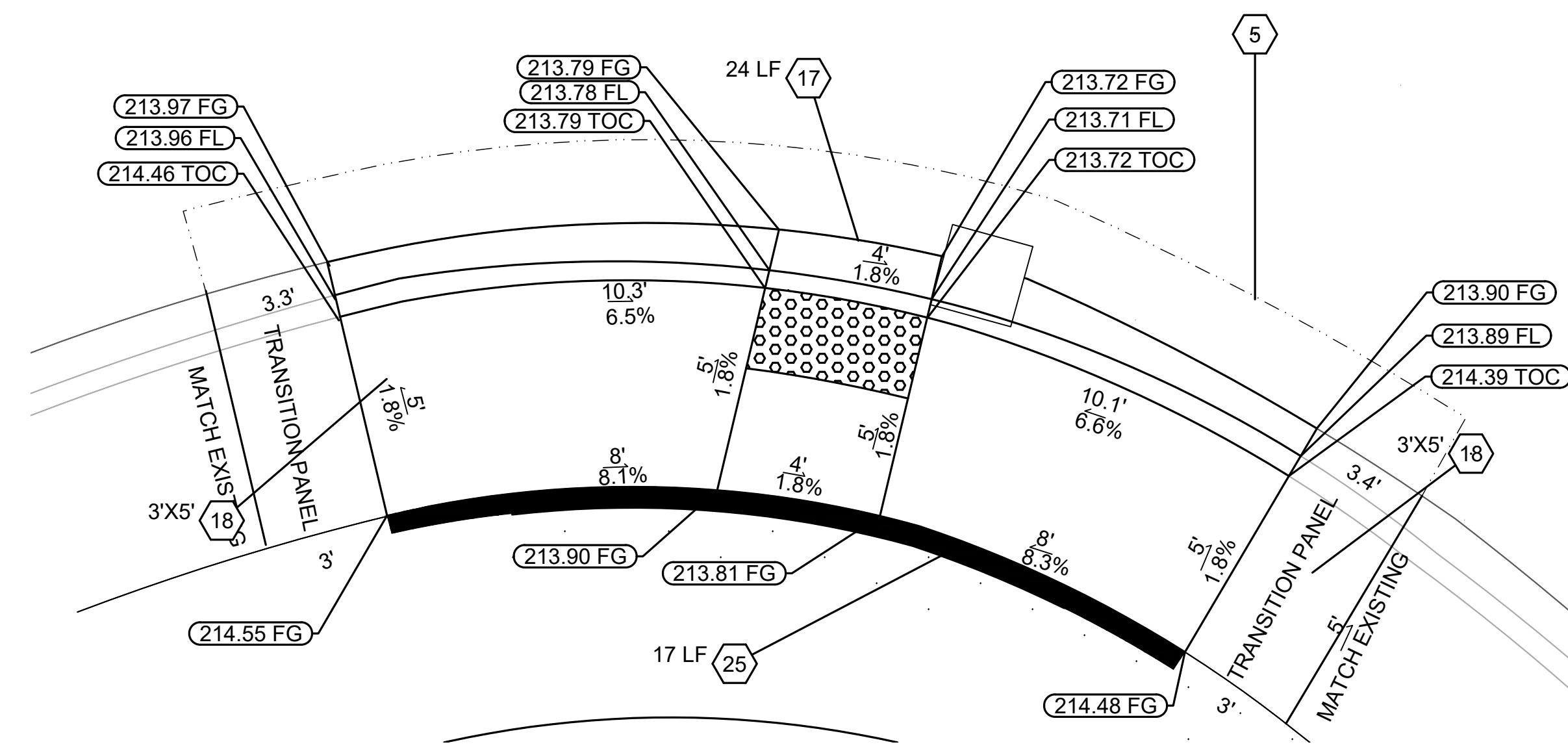
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2023 OVERLAY PROJECT
CR-F-02
RAMPS 3 & 4

CITY PROJECT #
12523
SHT. 60
OF 98



5 CURB RAMP, 203+79, 23.4 R
SCALE: 1"=3'



6 CURB RAMP, 204+26, 31.5 R
SCALE: 1"=3'

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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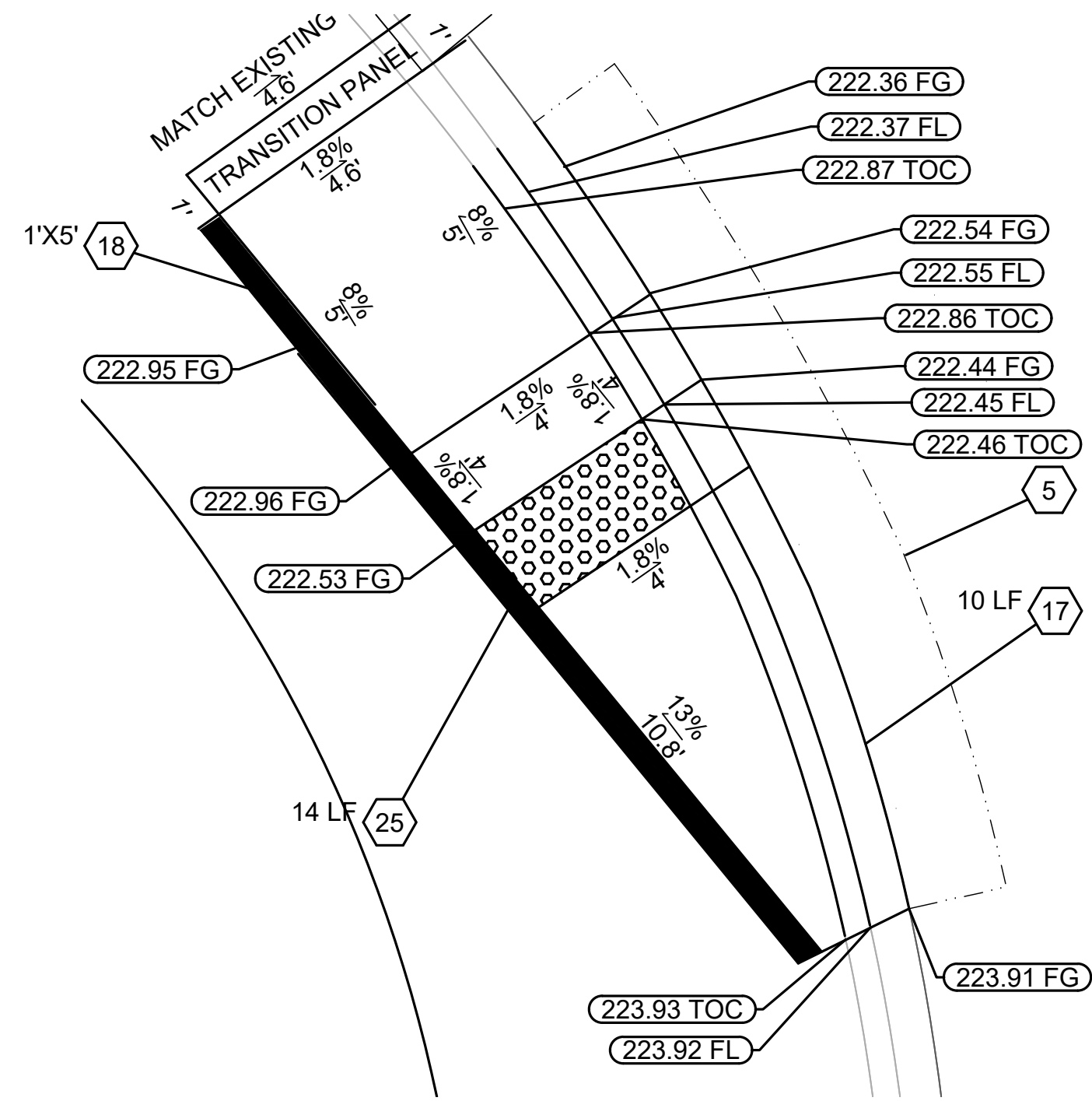
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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

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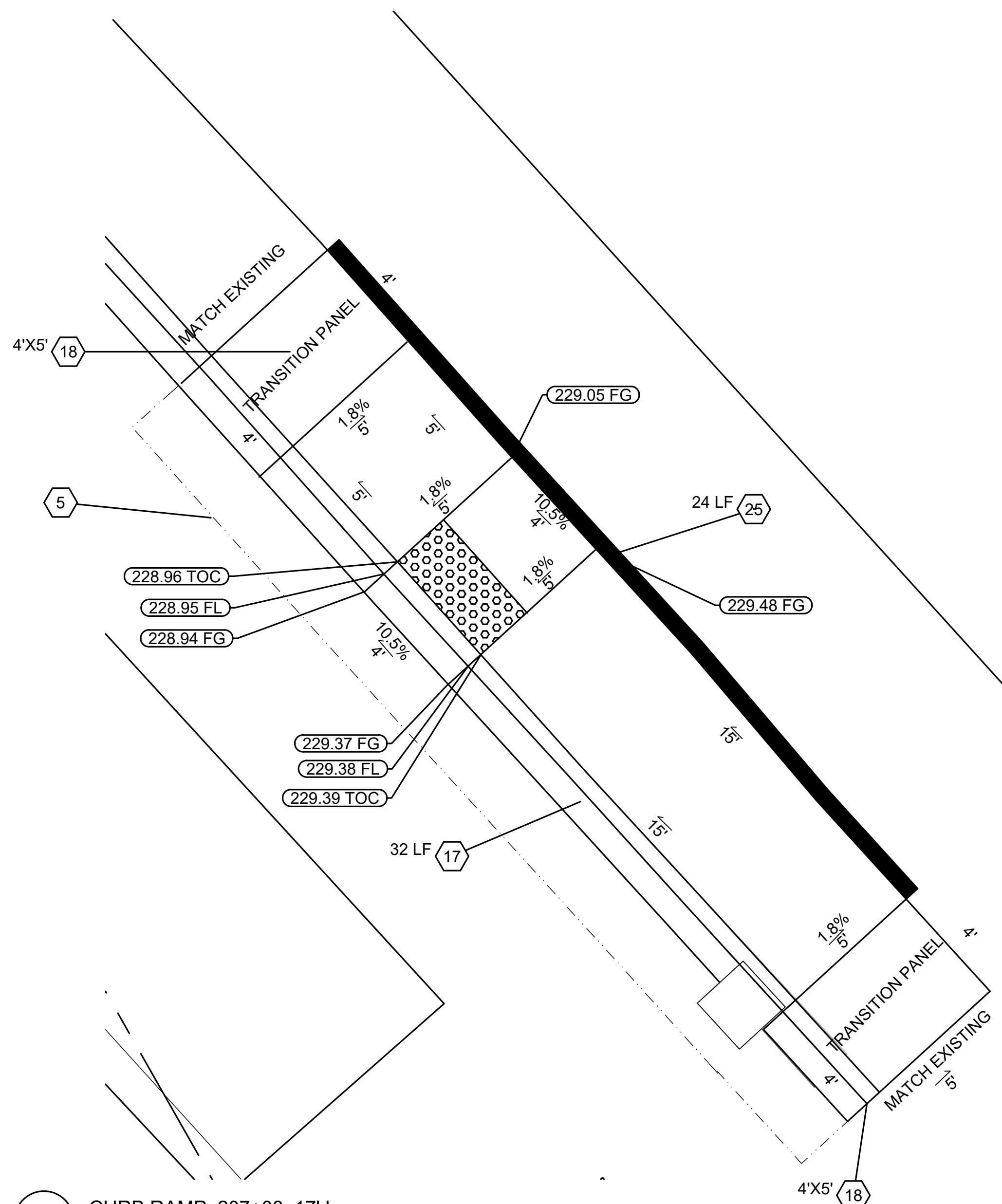
2023 OVERLAY PROJECT
CR-F-03
RAMPS 5 & 6

CITY PROJECT #
12523
SHT. 61
OF 98



7 CURB RAMP, 206.30, 23.2' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



8 CURB RAMP, 207+08, 17' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



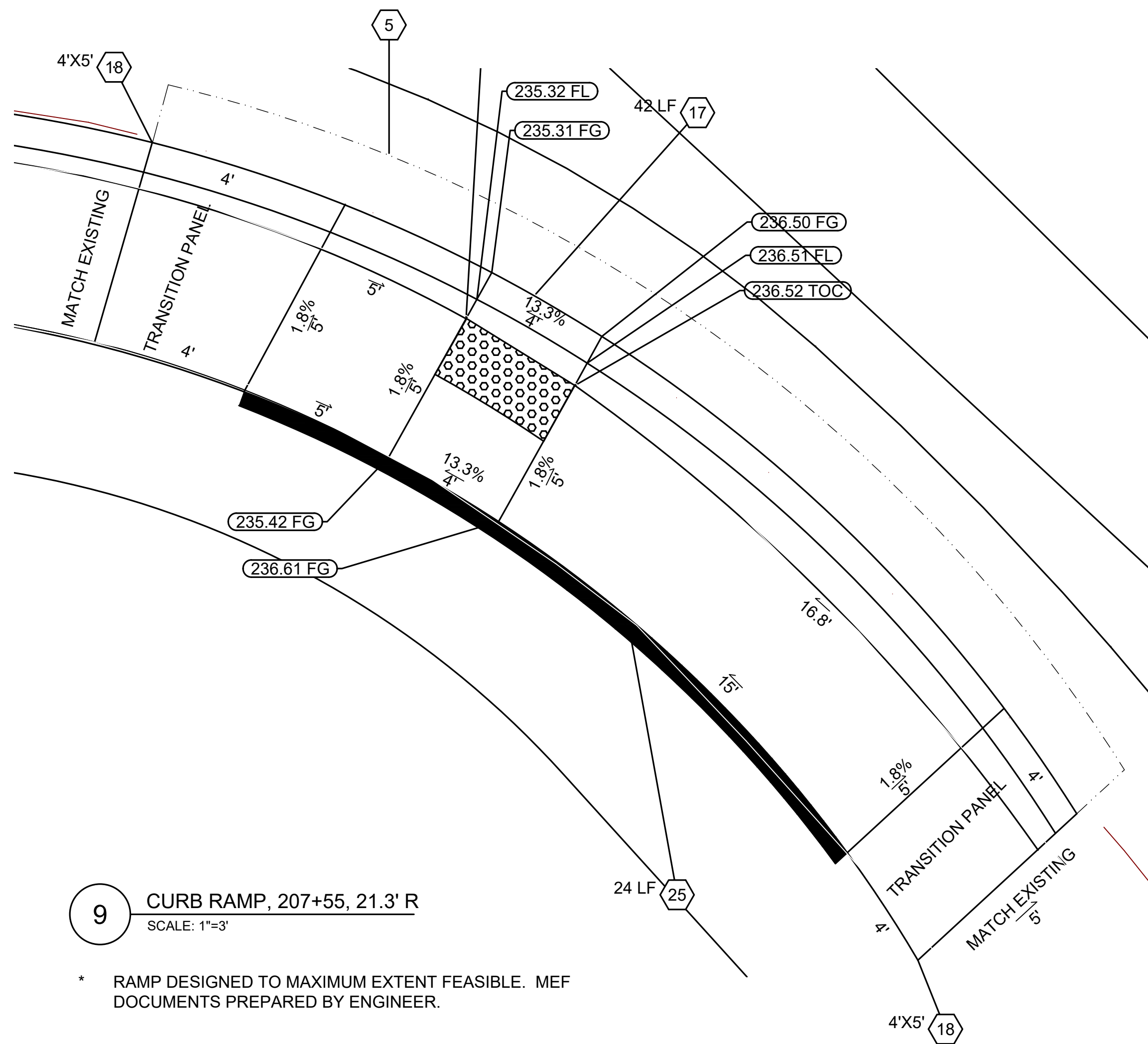
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2023 OVERLAY PROJECT

**CR-F-04
RAMPS 7 & 8**

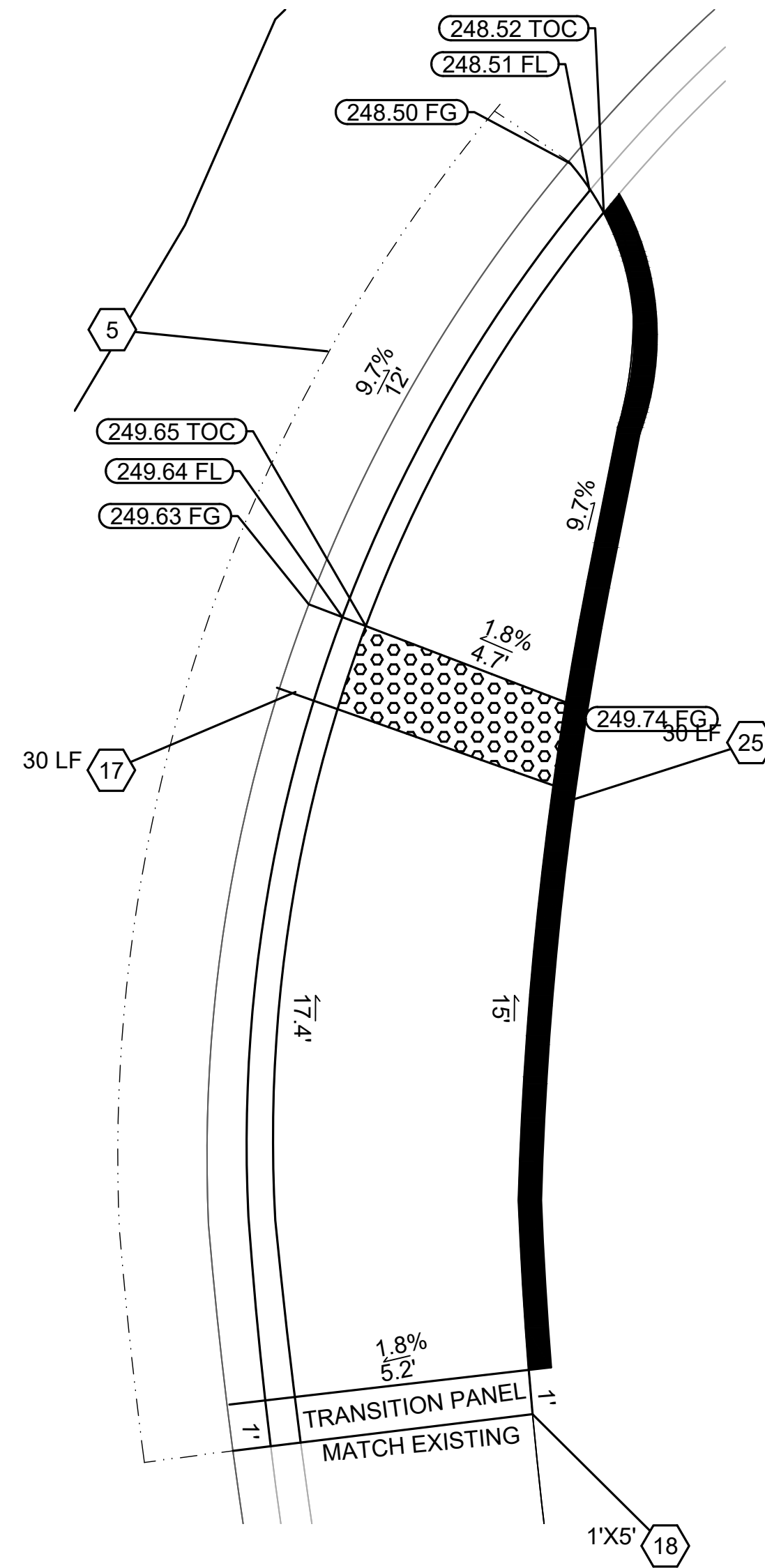
CITY PROJECT #:
12523

SHT. **62**
OF **98**



9 CURB RAMP, 207+55, 21.3' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



10 CURB RAMP, 208+61, 28.4' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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REVIEWED: C. MULLEN
APPROVED: D. WINKLER



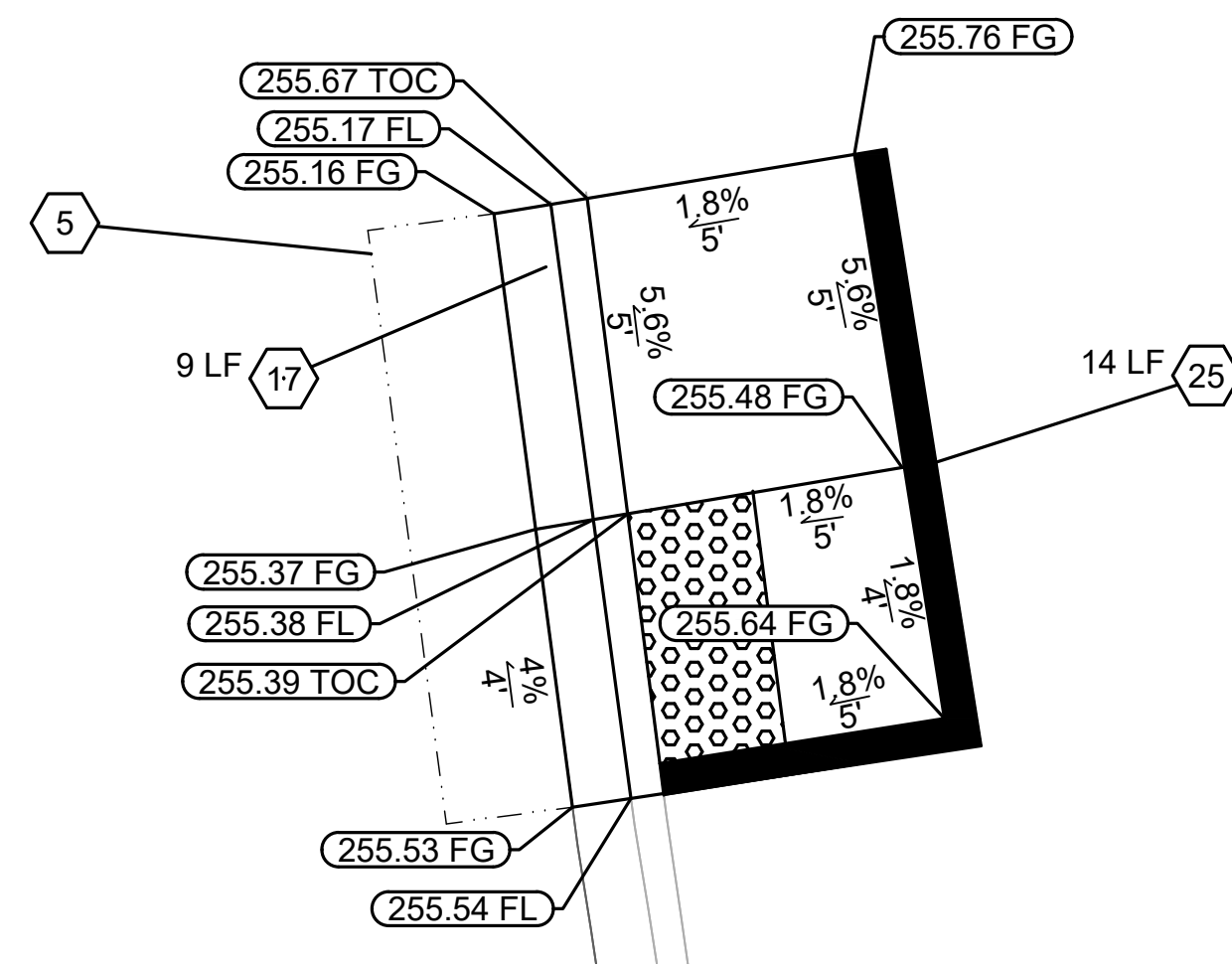
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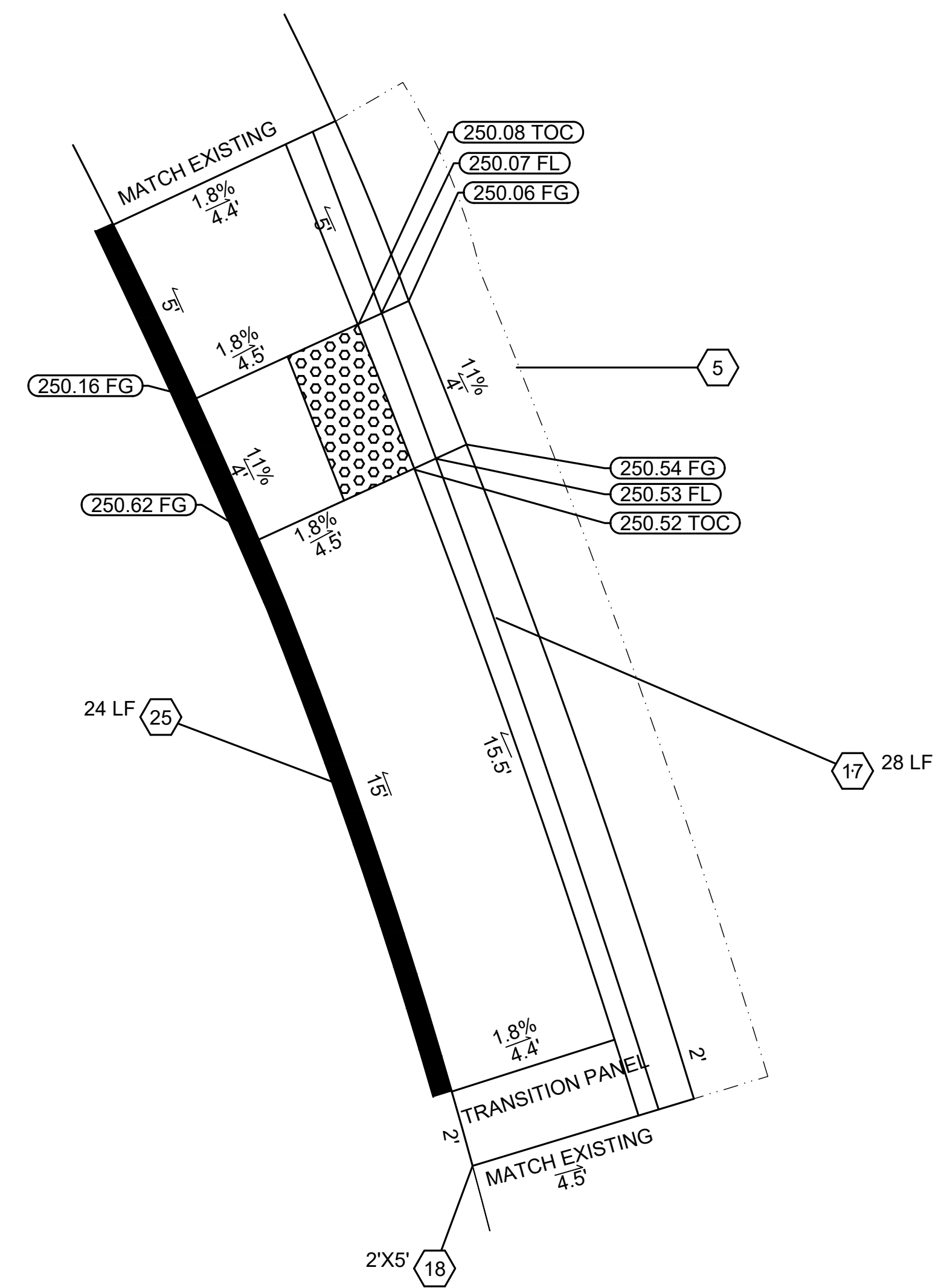
CR-F-05
RAMPS 9 & 10

CITY PROJECT #:
12523
SHT. 63
OF 98



11 CURB RAMP, 209+25, 15.3' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



12 CURB RAMP, 208+58, 20.6' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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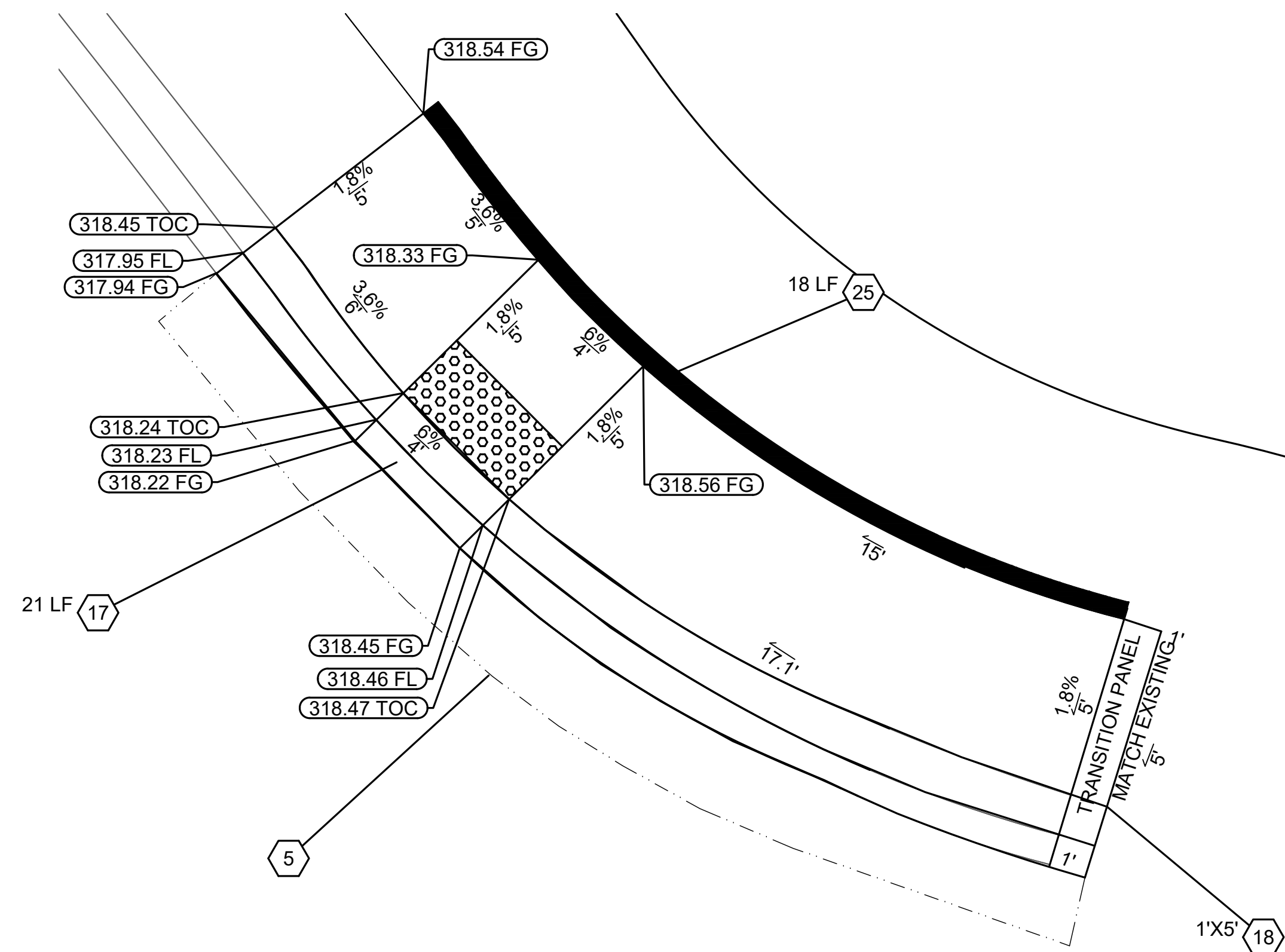
DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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2023 OVERLAY PROJECT
CR-F-06
RAMPS 11 & 12

CITY PROJECT #
12523
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OF **98**



15 CURB RAMP, 239+67, 16.4' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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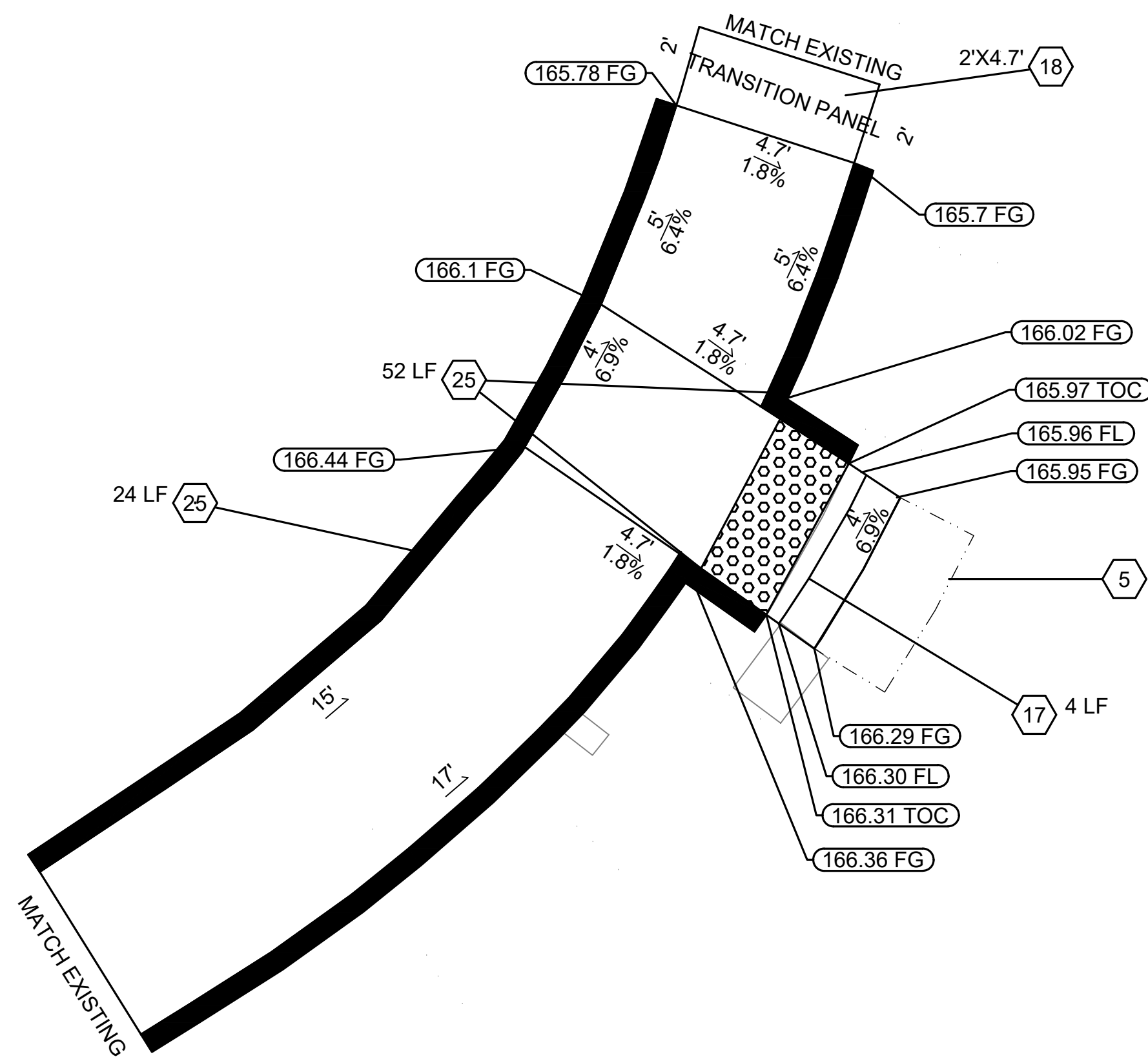
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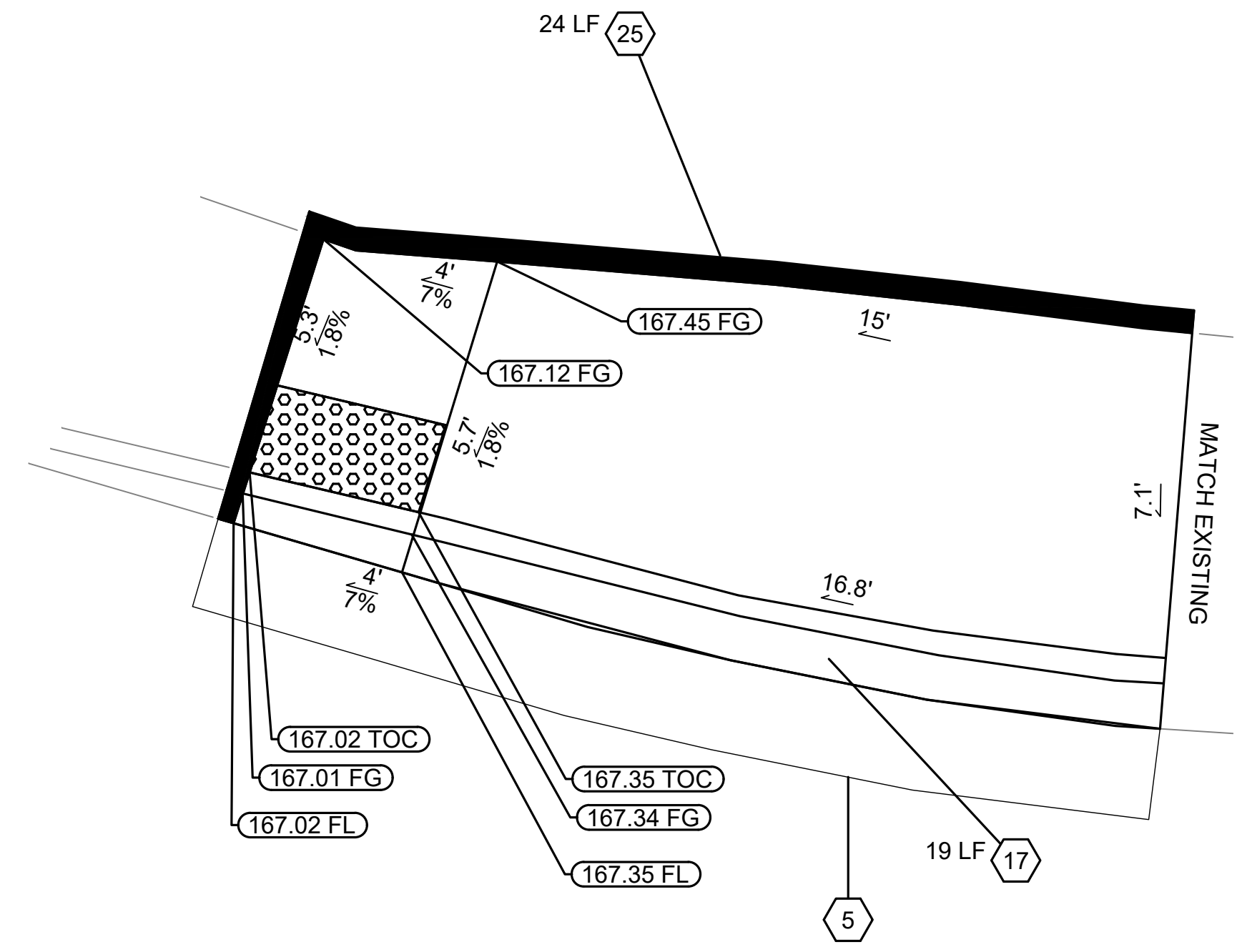
CR-F-08
RAMP 15

CITY PROJECT #:
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SHT. 66
OF 98



16 CURB RAMP, 197+90, 24.3' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



17 CURB RAMP, 198+44, 19.4' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
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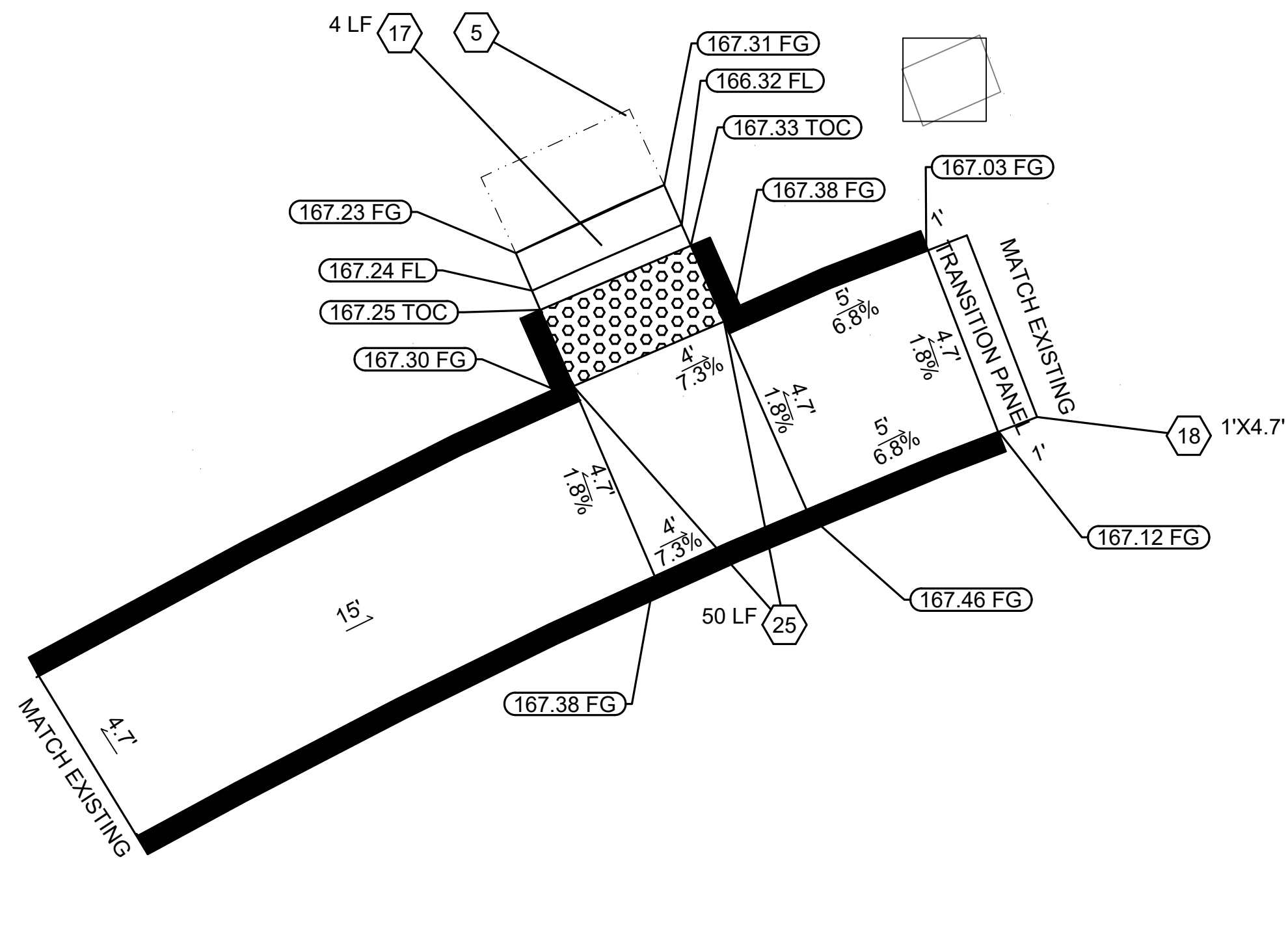
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REGISTERED PROFESSIONAL ENGINEER
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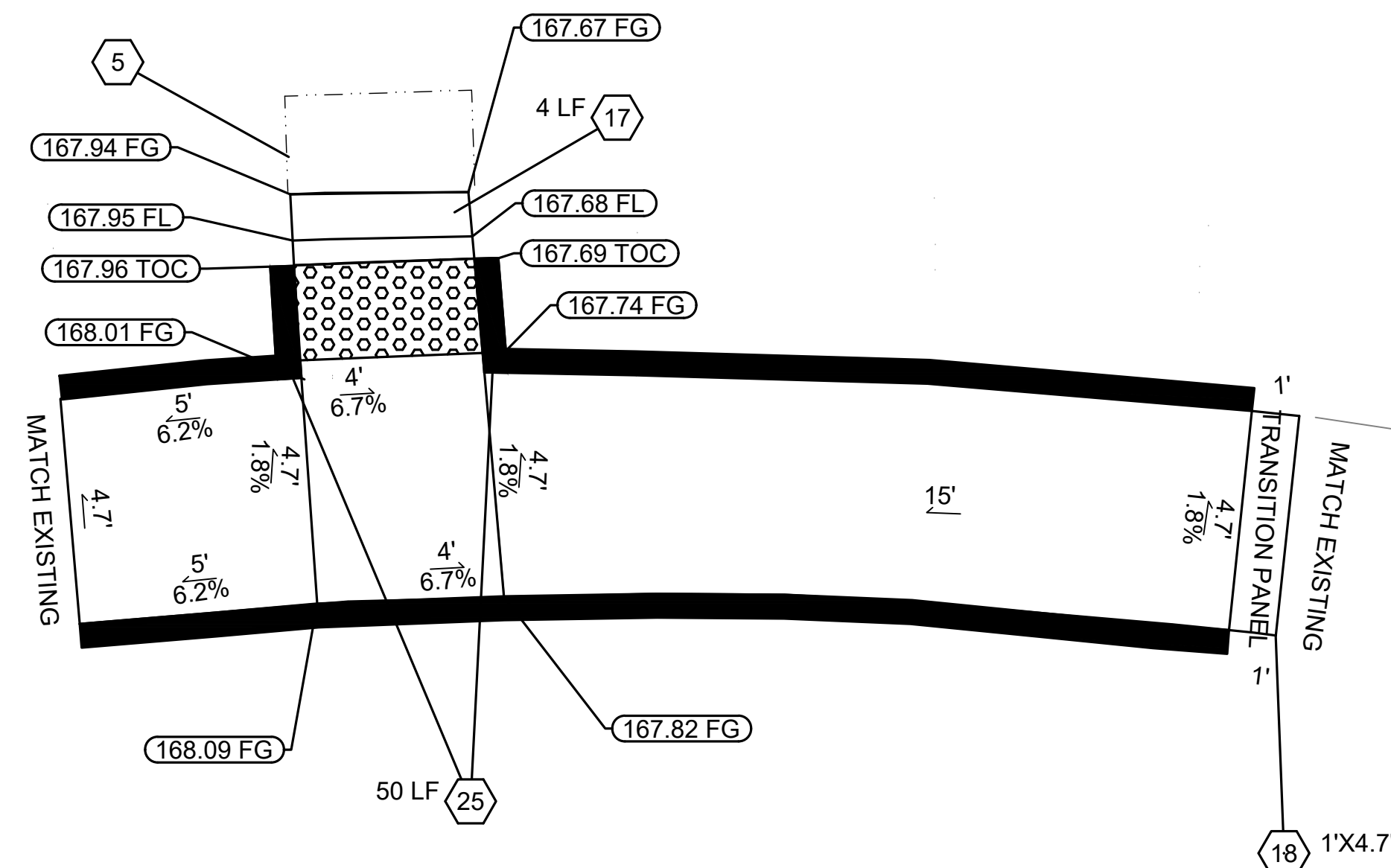
2023 OVERLAY PROJECT
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RAMPS 16 & 17

CITY PROJECT #
12523
SHT. **67**
OF **98**



18 CURB RAMP, 197+83, 19.1' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



19 CURB RAMP, 198+47, 19.3' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

(X)	OVERLAY CONSTRUCTION NOTES:
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- CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

100% DESIGN



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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER



11-Feb-2023

DRAWING VERSION / REVISION LOG

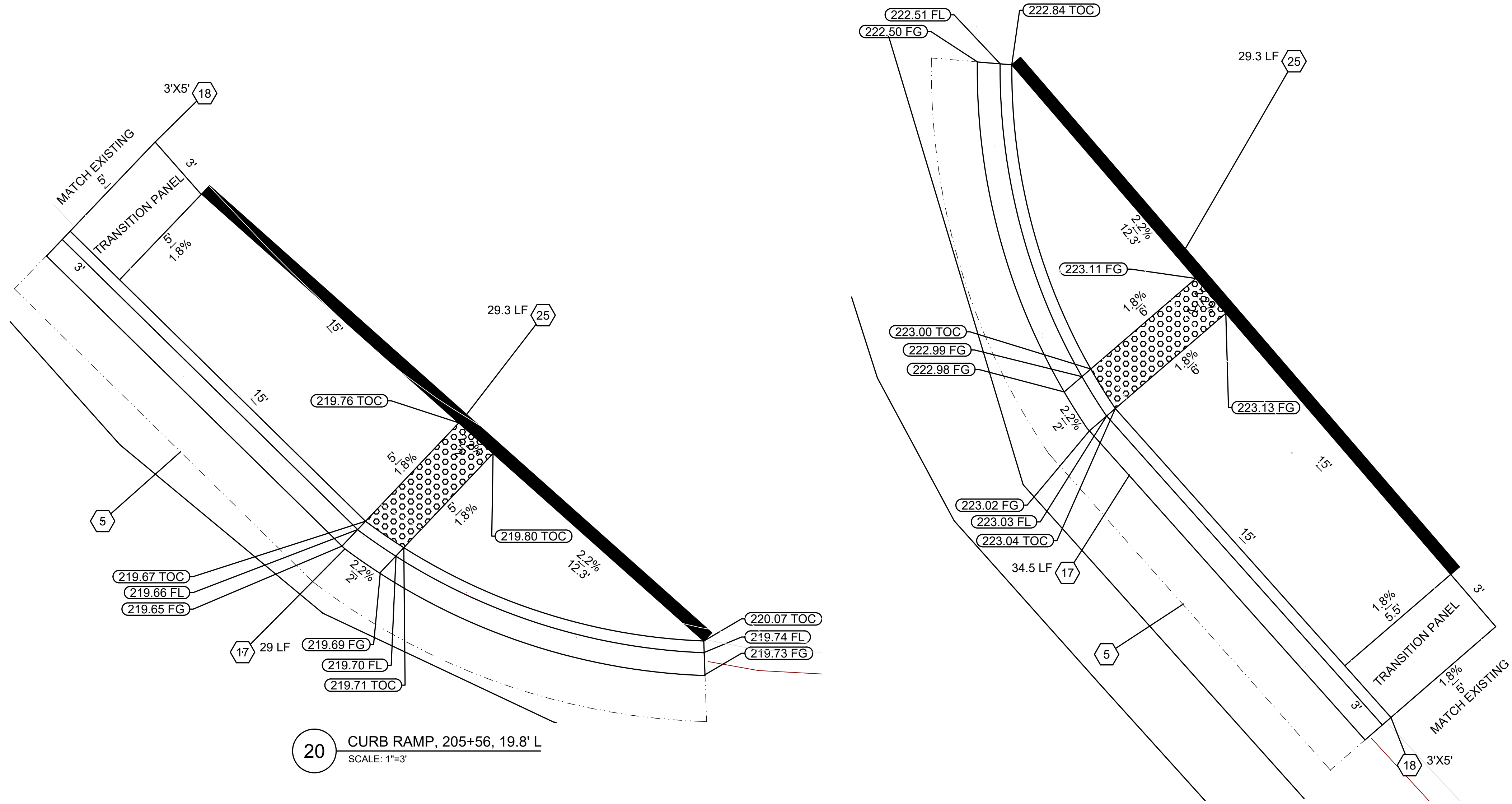
NO.	DATE	REVISION

2023 OVERLAY PROJECT

CR-F-10
RAMPS 18 & 19

CITY PROJECT #
12523

SHT. 68
OF 98



20 CURB RAMP, 205+56, 19.8' L
SCALE: 1"=3'

21 CURB RAMP, 206+27, 18.9' L
SCALE: 1"=3'

(X)	OVERLAY CONSTRUCTION NOTES:
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
TOC = TOP OF CURB
FG = FINISH GRADE

CURB RAMP NOTES

- SLOPES SHOWN IN PLAN VIEW, RAMP LAYOUT AND RAMP LENGTH FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND CONSTRUCT CURB RAMPS TO MEET ADA REQUIREMENTS.
- DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ANY PART OF THE CURB RAMP OR LANDING.
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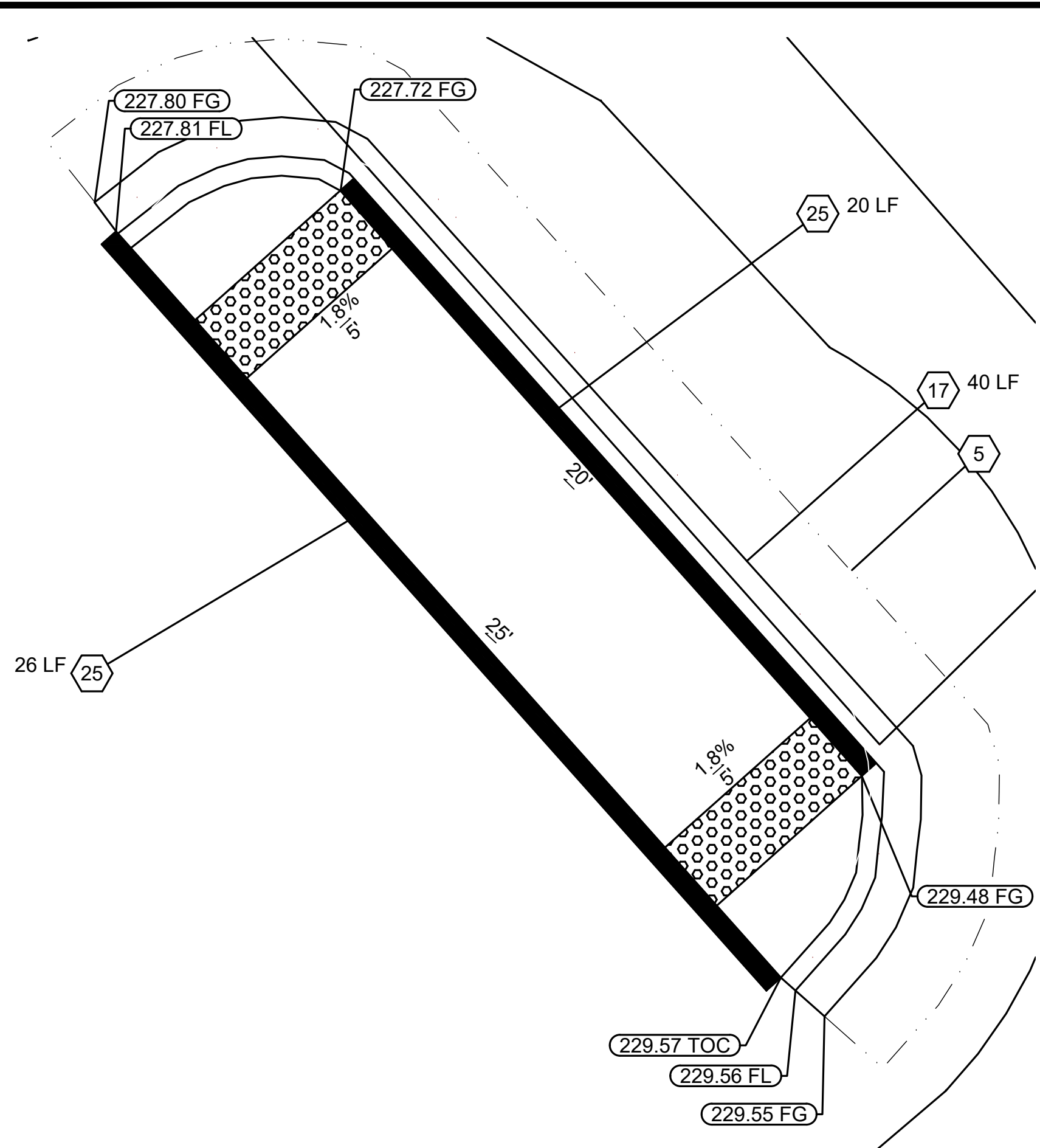
CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

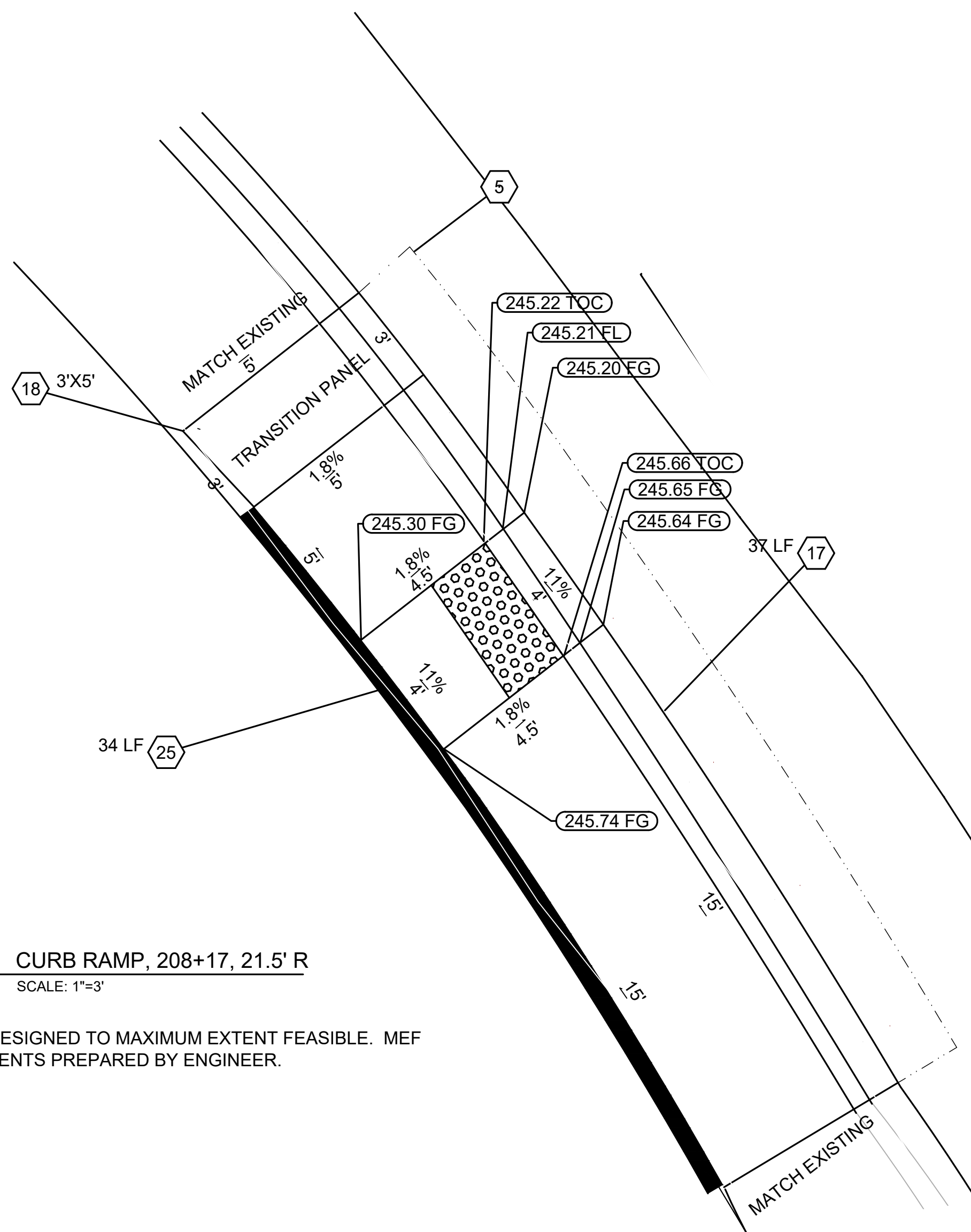
2023 OVERLAY PROJECT
CR-F-11
RAMPS 20 & 21

CITY PROJECT #:	12523
SHT. OF	69 OF 98

*** PLAN CENTER COPY *** Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

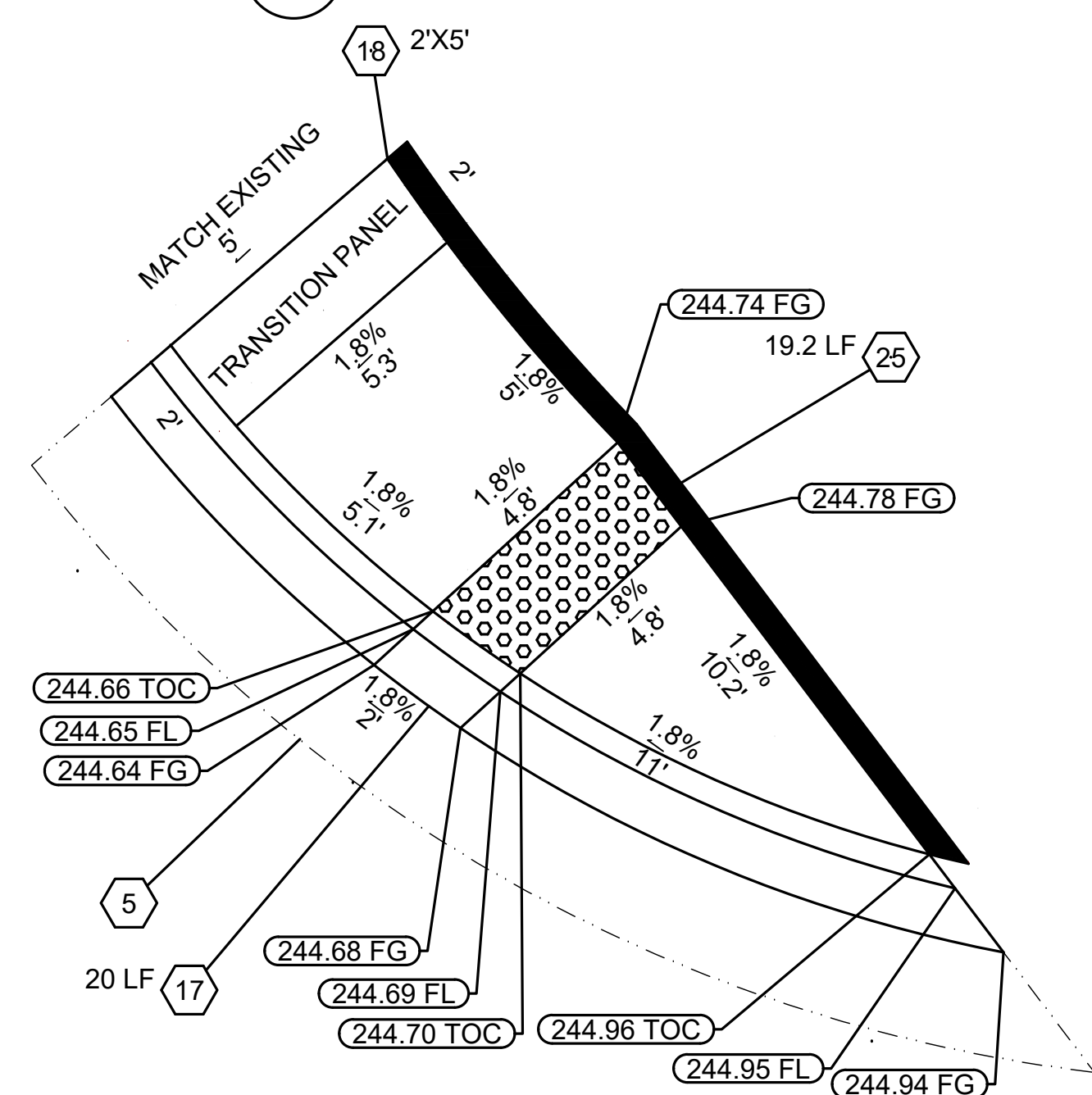


22 CURB RAMP, 206+78, 21.5 R
SCALE: 1"=3'



24 CURB RAMP, 208+17, 21.5' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



23 CURB RAMP, 208+17, 18.4' L
SCALE: 1"=3'

(X)	OVERLAY CONSTRUCTION NOTES:
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17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04

FL = GUTTER FLOW LINE
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100% DESIGN



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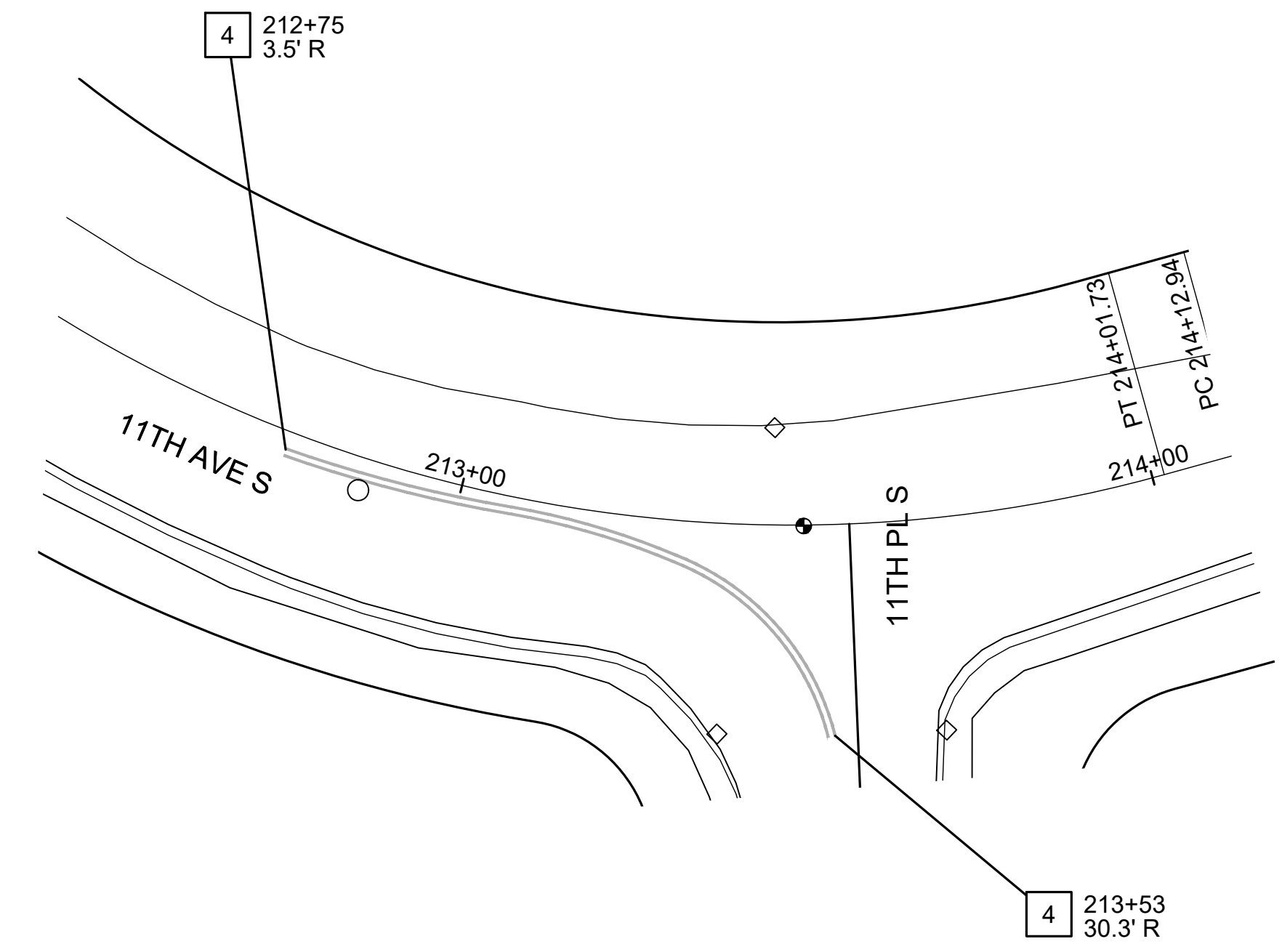
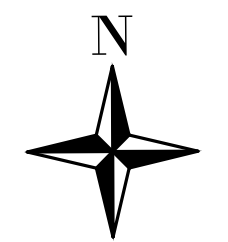
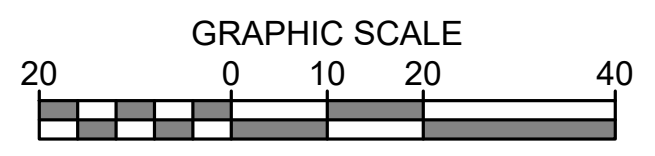


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NO.	DATE	REVISION

2023 OVERLAY PROJECT

CR-F-12
RAMPS 22, 23 & 24

CITY PROJECT #
12523
SHT. 70
OF 98



X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PAINTED EDGE LINE (MATERIAL TYPE D)
4	PAINTED DOUBLE YELLOW CENTERLINE
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER WSDOT STD. PLAN M-24.60-04 (MATERIAL TYPE A). INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)

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REVIEWED: C. MULLEN
APPROVED: D. WINKLER

Christine Mullen
11 Feb 2023

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2023 OVERLAY PROJECT

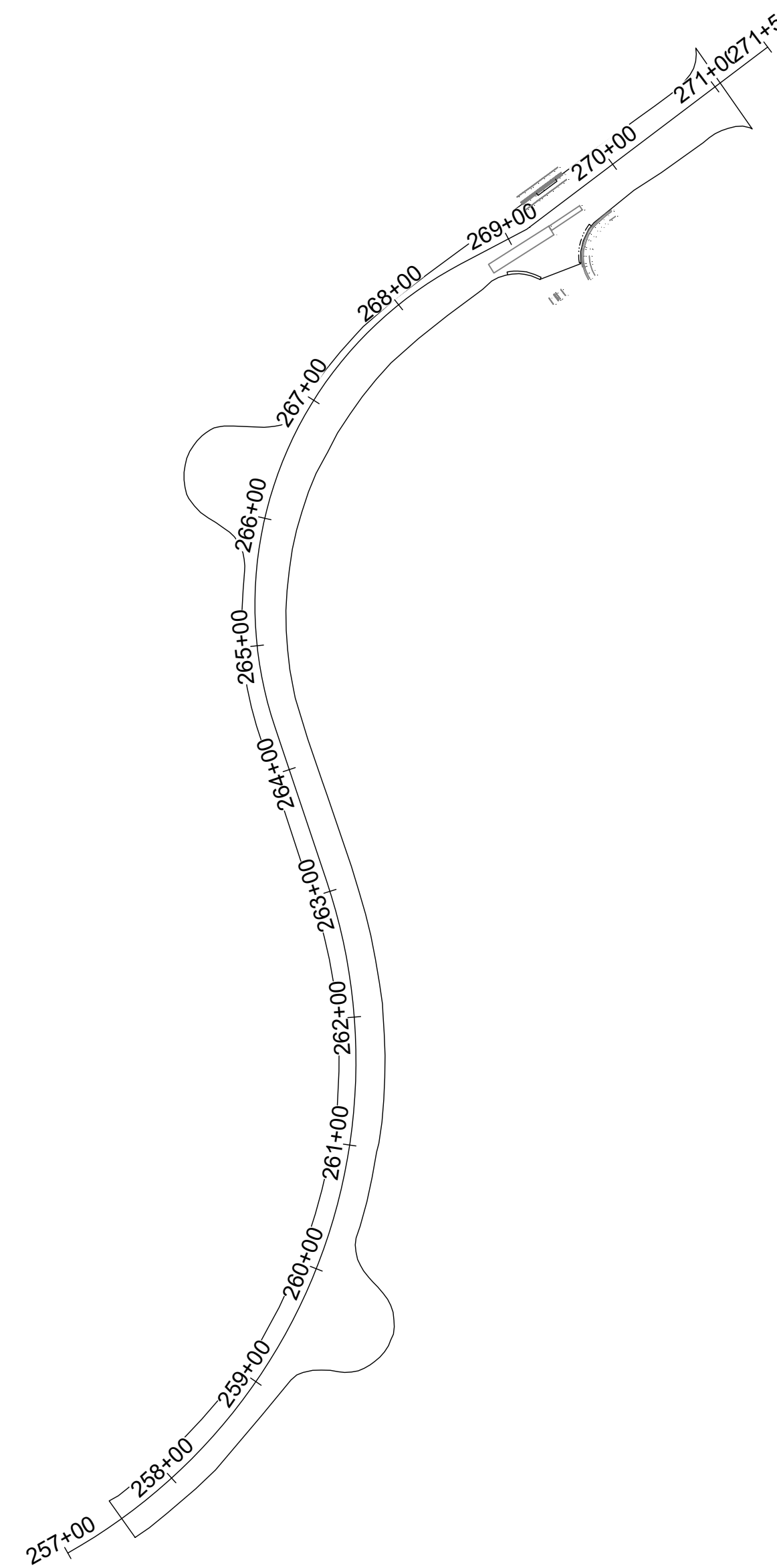
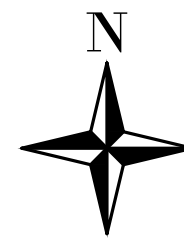
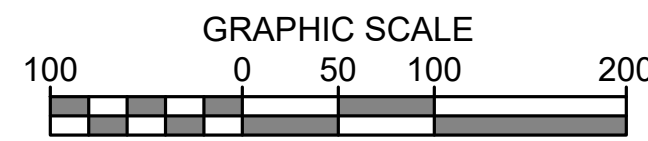
PM-F-01
CHAN PLAN

CITY PROJECT #
12523

SHT. 71
OF 98

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11
 VERTICAL DATUM: NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS
 OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK)



G3										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
C10	257+00.00	263+08.33	79.2153 (d)	440.00'	608.33'	N/A	131876.45'	1276170.01'	132399.99'	1276371.65'
L9	263+08.33	264+34.98	N/A	N/A	126.65'	N18° 32' 38.27"W	132399.99'	1276371.65'	132520.06'	1276331.37'
C11	264+34.98	268+57.85	80.7618 (d)	300.00'	422.87'	N/A	132520.06'	1276331.37'	132880.89'	1276475.96'
L10	268+57.85	269+16.11	N/A	N/A	58.26'	N62° 13' 04.15"E	132880.89'	1276475.96'	132908.05'	1276527.51'
L11	269+16.11	271+51.37	N/A	N/A	235.26'	N52° 53' 22.12"E	132908.05'	1276527.51'	133049.99'	1276715.12'

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 APPROVED: D. WINKLER



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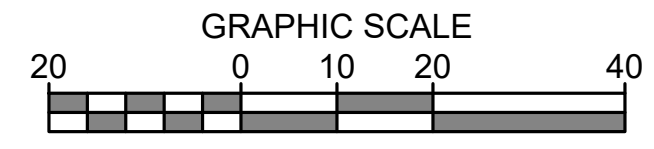
NO.	DATE	REVISION

2023 OVERLAY PROJECT

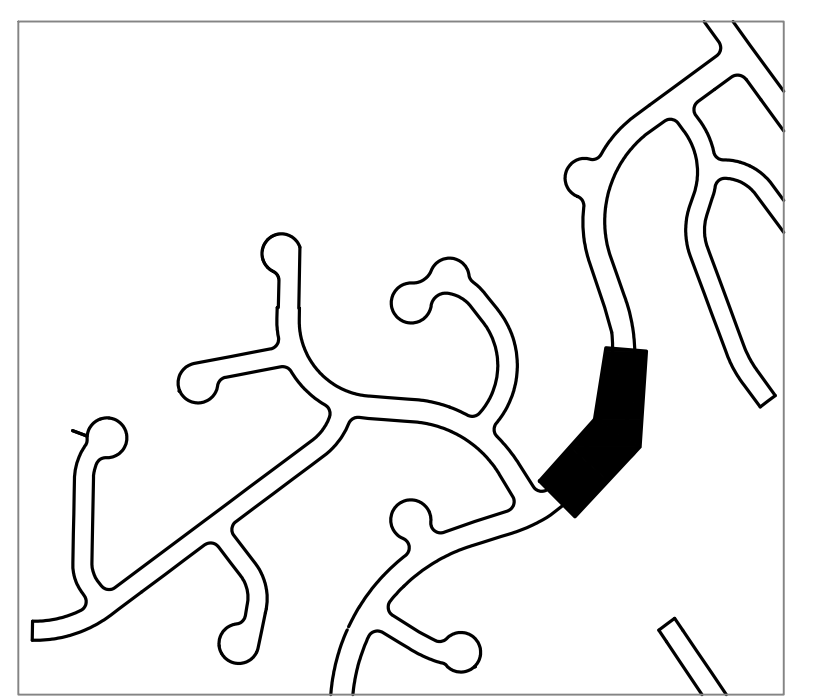
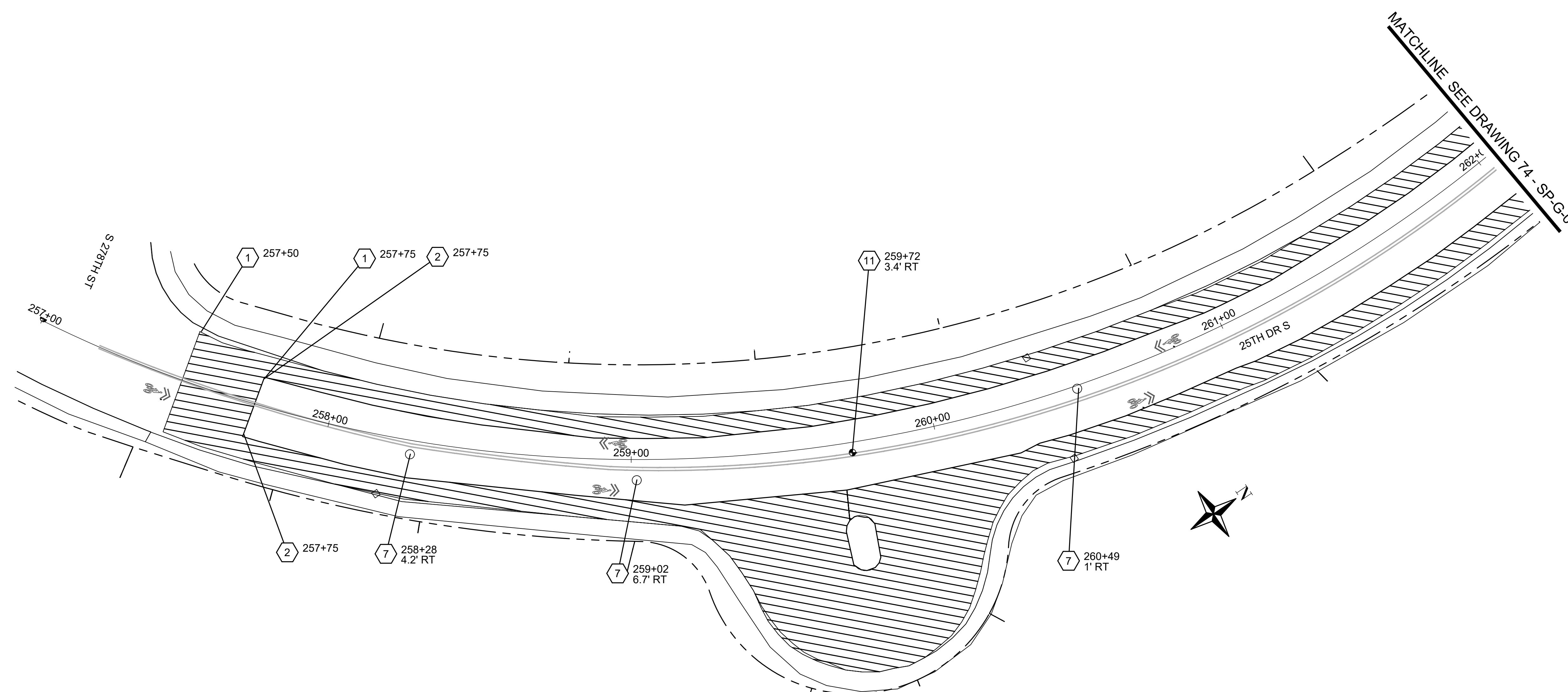
SC-G-01
 SURV.CONT.& KEY

CITY PROJECT #
 12523

SHT. 72
 OF 98



(X)	OVERLAY CONSTRUCTION NOTES:
1	BUTT JOINT AT STATION OR LOCATION INDICATED, 1.5 IN. AT MATCH LINE AND TRANSITION TO 0 IN. AT DISTANCE DIRECTED BY ENGINEER
2	PLANE WIDTH AS INDICATED ON "PLANING WIDTH AT CURB AND GUTTER", FULL DEPTH AT FACE OF GUTTER
3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	MOUNTABLE CEMENT CONC. CURB, PER CFW STD. DETAIL 3-04. REMOVAL PAID UNDER ROADWAY EXCAVATION.
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3' WIDE MAX. BY OVERLAY DEPTH
20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	CEMENT CONC. CURB 12 IN. WIDE
22	DETECTOR LOOPS, PER CFW STD. DETAIL 3-44
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL
27	REMOVAL AND REPLACEMENT OF SPEED HUMP, COMPLETE PER CFW DETAIL 3-26



100% DESIGN

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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

11-Feb-2023

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2023 OVERLAY PROJECT

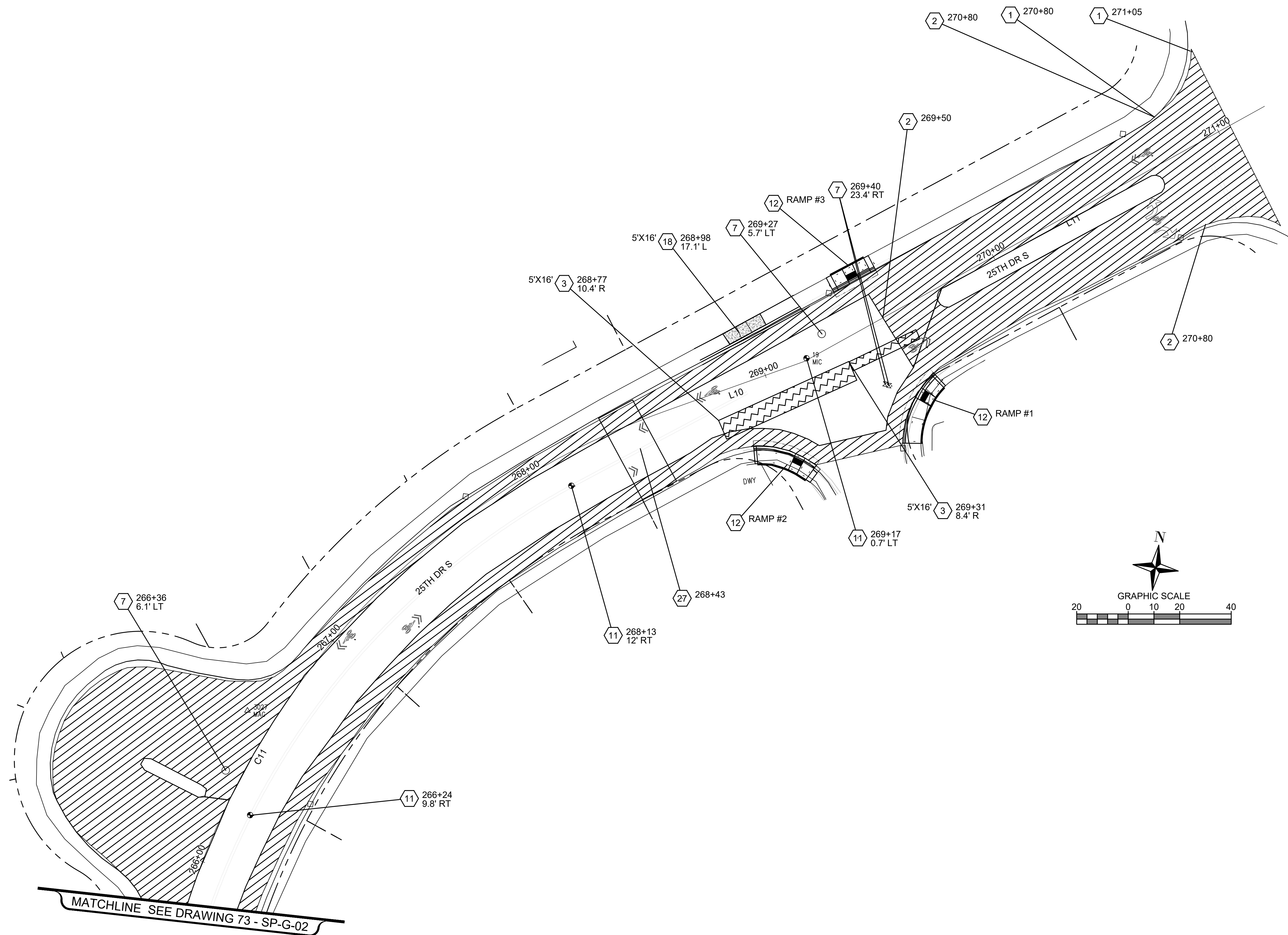
SP-G-02

STA: 252+00 - 262+00

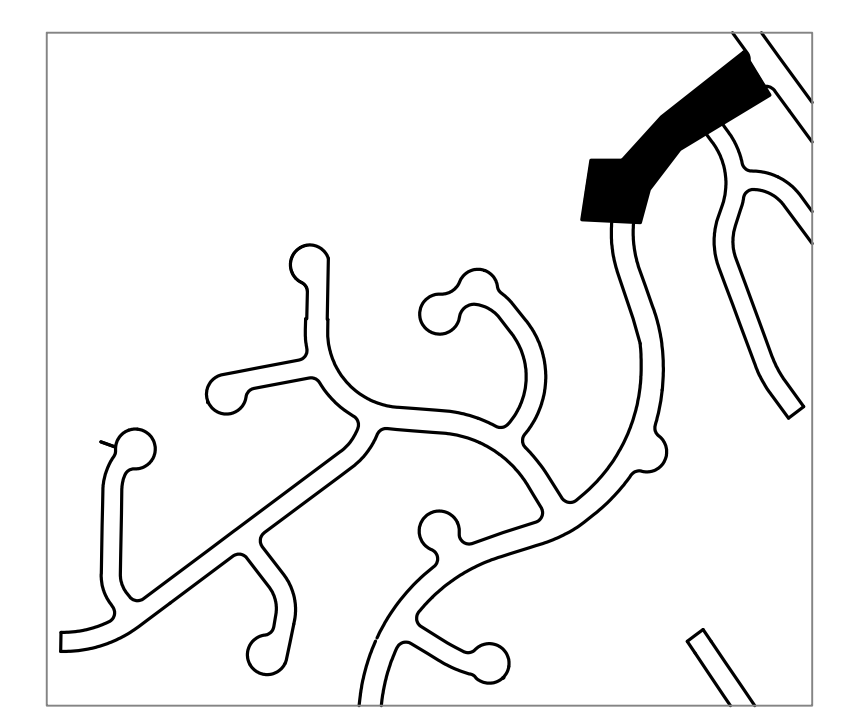
CITY PROJECT #
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OF **98**

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26	SOD LAWN, INCLUDE 4" TOPSOIL
27	REMOVAL AND REPLACEMENT OF SPEED HUMP, COMPLETE PER CFW DETAIL 3-26



MATCHLINE SEE DRAWING 73 - SP-G-02

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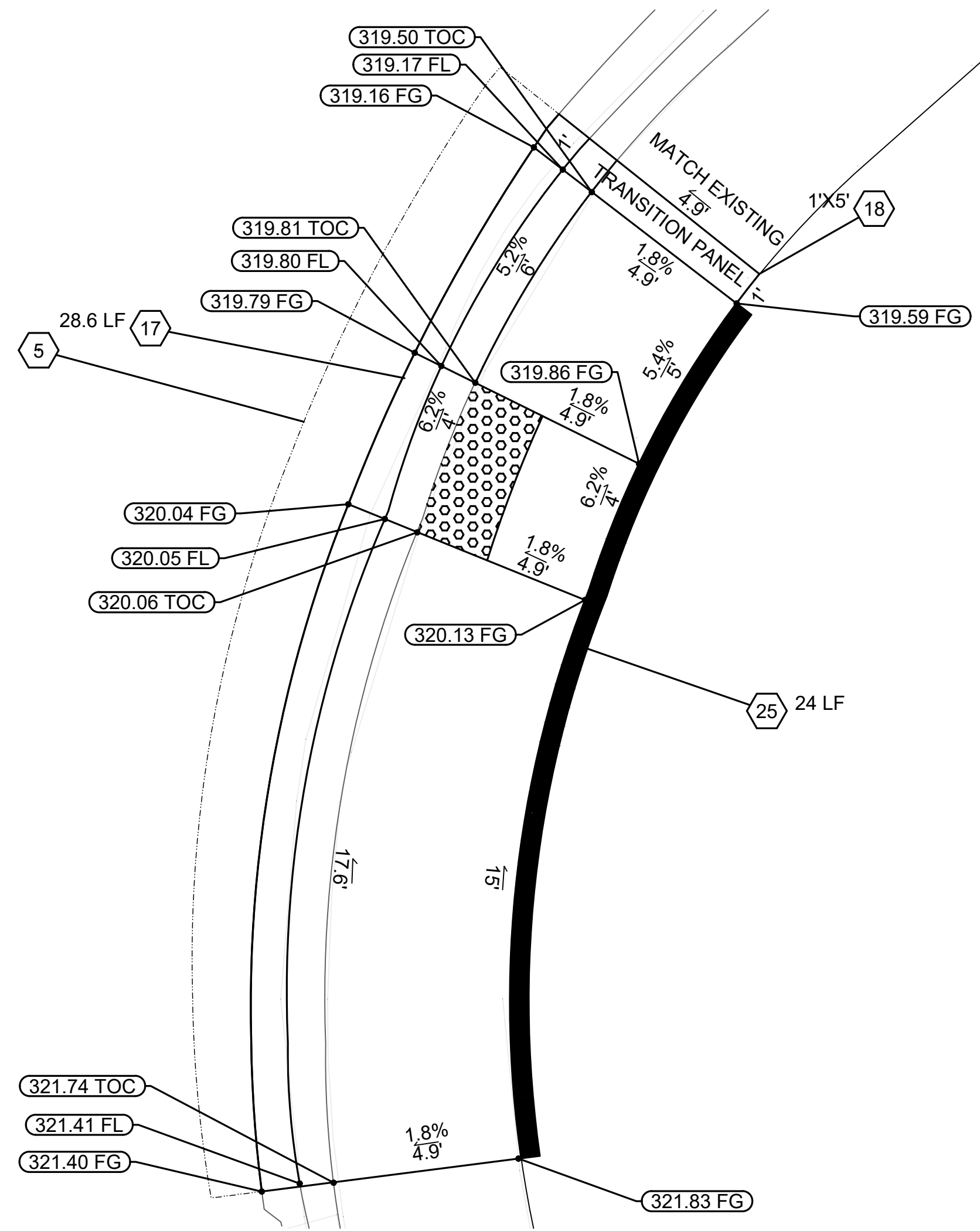
DRAFTED: D. MCINTOSH
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CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
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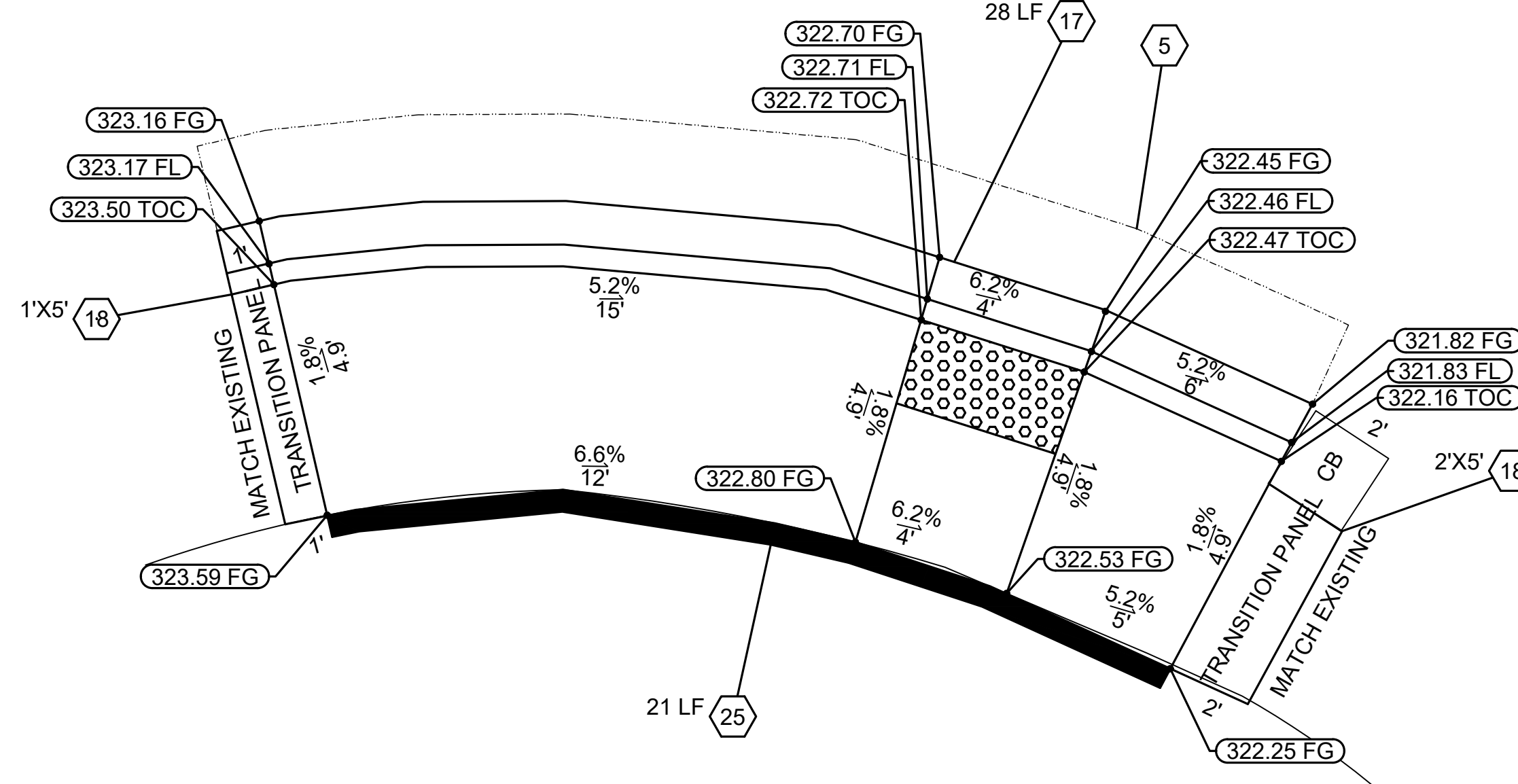
2023 OVERLAY PROJECT
SP-G-04
266+00-271+51

100% DESIGN
CITY PROJECT # 12523
SHT. 74
OF 98



1 CURB RAMP 269+50, 33.6' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.



2 CURB RAMP 269+01, 35' R
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

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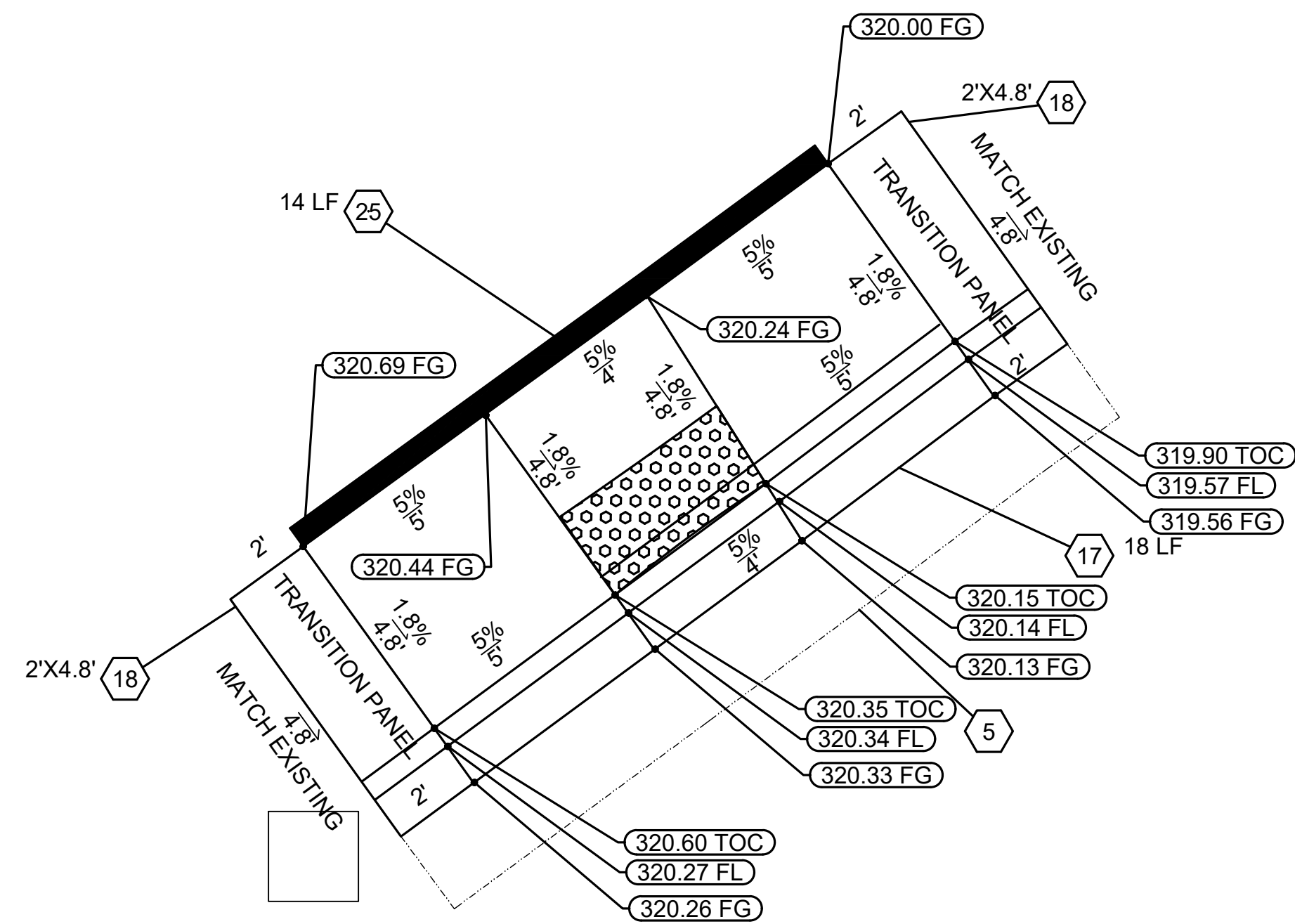


DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

**CR-G-01
RAMPS 1 & 2**

CITY PROJECT #
12523
SHT. **75**
OF **98**



3 CURB RAMP 269+48, 19.1' L
SCALE: 1"=3'

* RAMP DESIGNED TO MAXIMUM EXTENT FEASIBLE. MEF DOCUMENTS PREPARED BY ENGINEER.

OVERLAY CONSTRUCTION NOTES:	
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APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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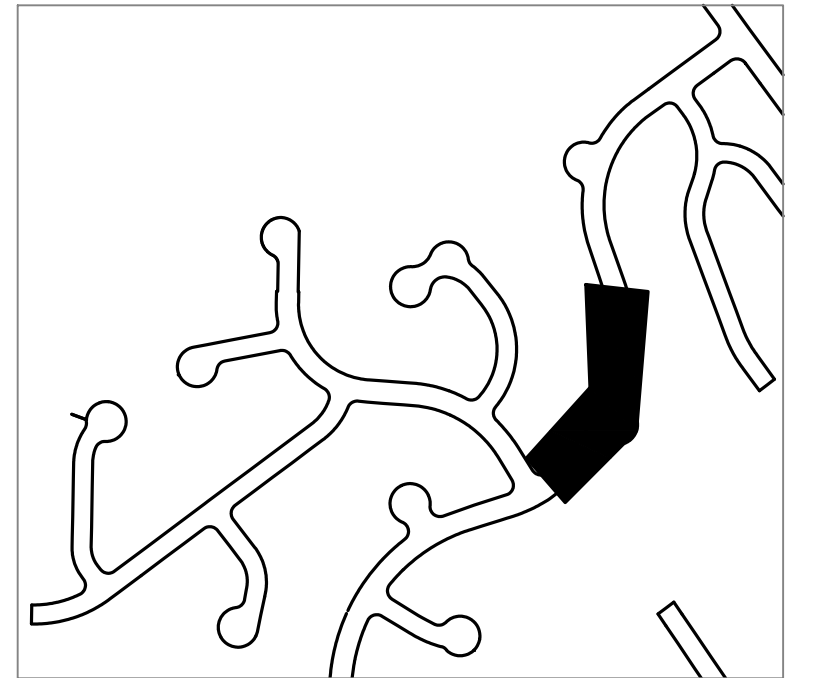
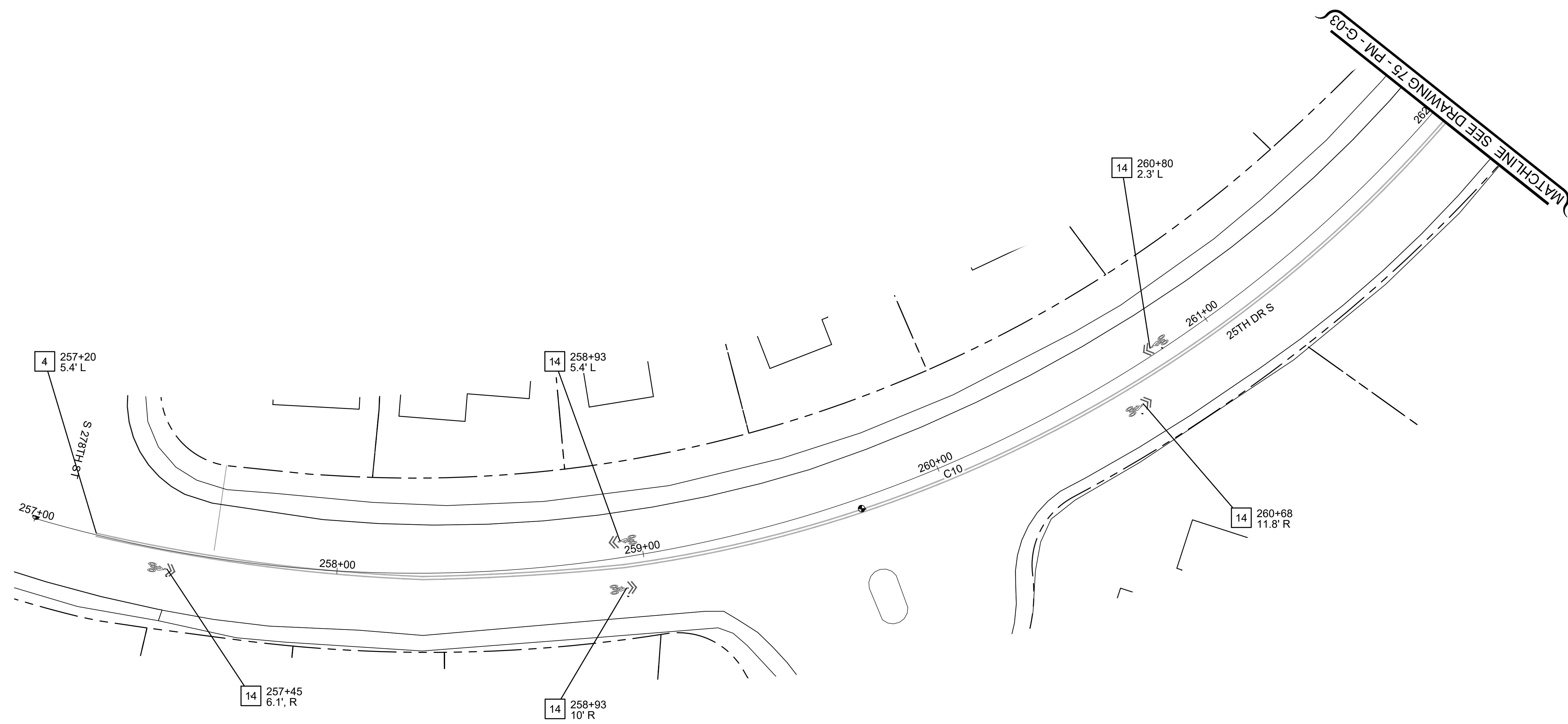
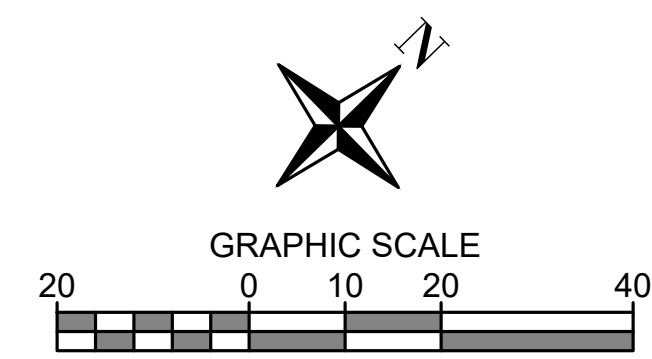
2023 OVERLAY PROJECT

CR-G-02 RAMP 3

CITY PROJECT #
12523

SHT. 76
OF 98

X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PAINTED EDGE LINE (MATERIAL TYPE D)
4	PAINTED DOUBLE YELLOW CENTERLINE
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	NOT USED ON THIS SCHEDULE
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER CFW DETAIL 3-26. INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)



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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

Christine Mullen
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

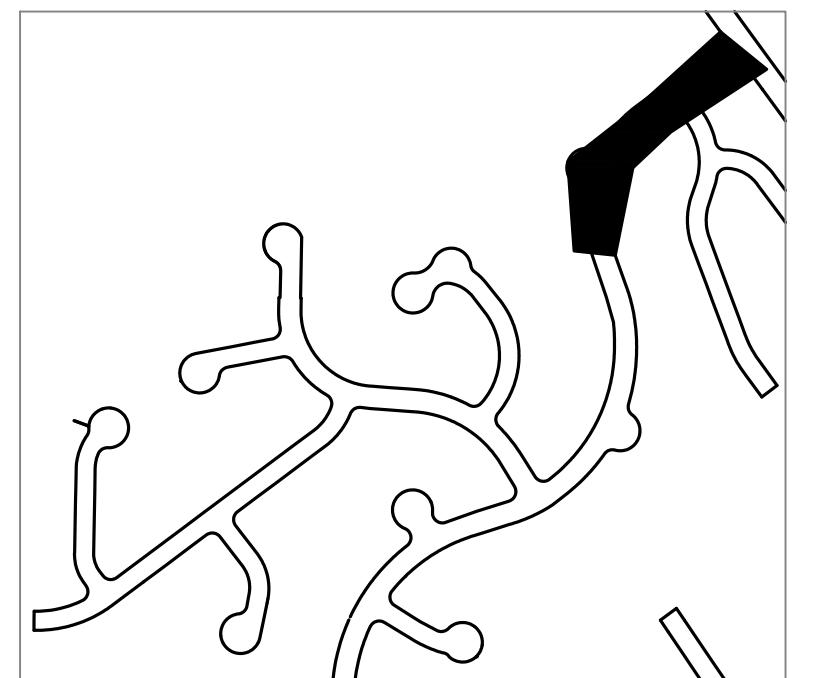
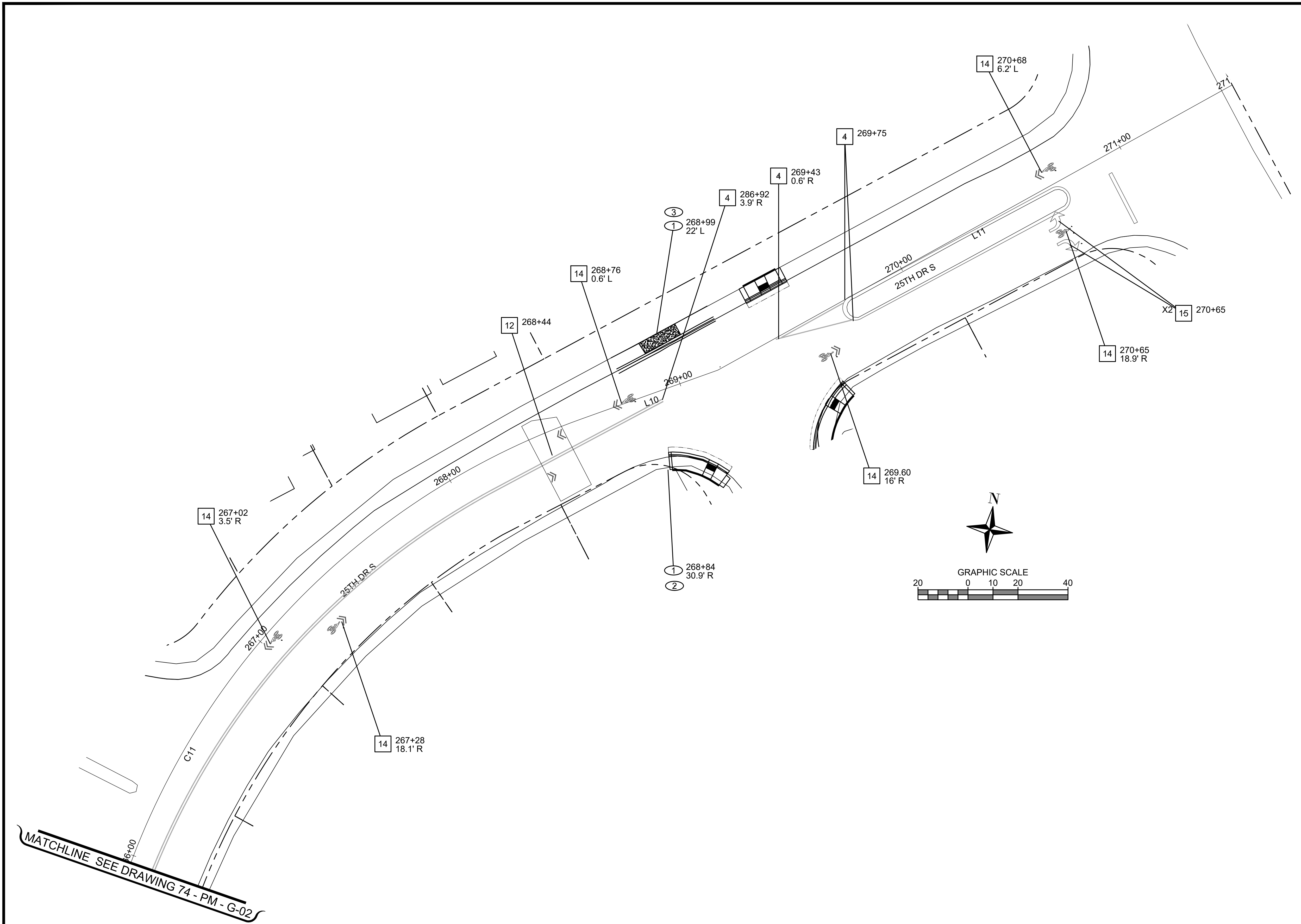
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STA: 252+00-262+00

CITY PROJECT #
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SHT. **77**
OF **98**

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X	PAVEMENT MARKING CONSTRUCTION NOTES
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16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)

- SIGN NOTES:
- ① NO PED CROSSING SIGN, WSDOT R9-3A
 - ② USE CROSSWALK SIGN, WSDOT R9-3B L
 - ③ USE CROSSWALK SIGN, WSDOT R9-3B R



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CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

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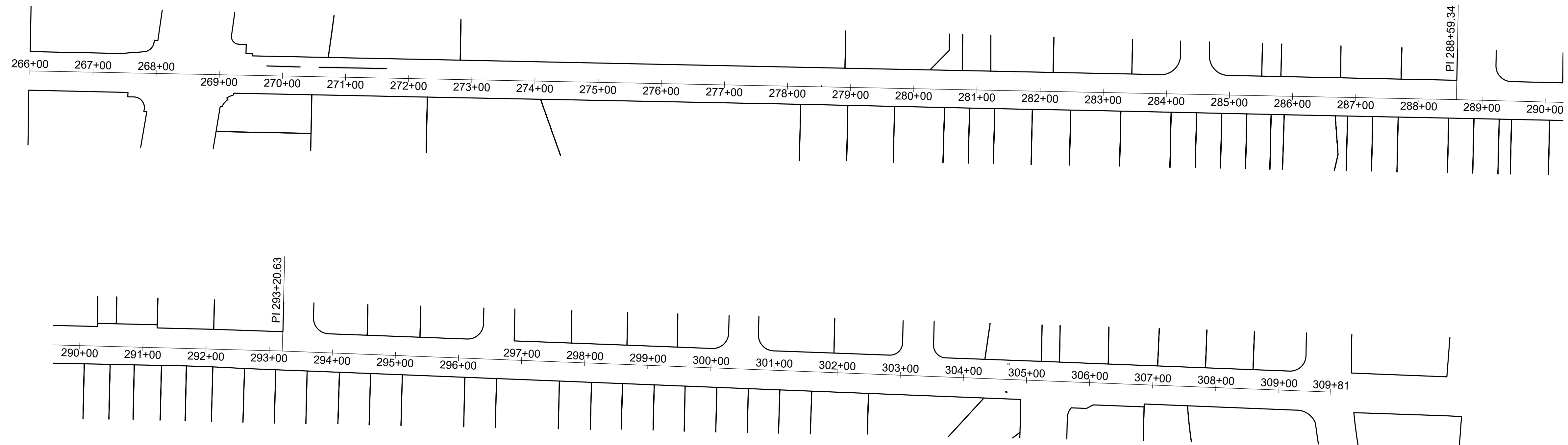
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STA: 266+00-272+00

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12523

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H1										
SEGMENT	START STA	END STA	DELTA	RADIUS	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L1	266+00.00	288+59.34	N/A	N/A	2259.34'	S88° 50' 52.31"E	123770.85'	1273432.27'	123725.42'	1275691.15'
L2	288+59.34	293+20.63	N/A	N/A	461.29'	S88° 28' 43.33"E	123725.42'	1275691.15'	123713.17'	1276152.28'
L3	293+20.63	309+81.30	N/A	N/A	1660.67'	S87° 45' 37.86"E	123713.17'	1276152.28'	123648.28'	1277811.68'
L5	288+59.34	293+20.63	N/A	N/A	461.29'	S88° 28' 43.33"E	123725.42'	1275691.15'	123713.17'	1276152.28'
L6	293+20.63	309+81.30	N/A	N/A	1660.67'	S87° 45' 37.86"E	123713.17'	1276152.28'	123648.28'	1277811.68'
L8	288+59.34	293+20.63	N/A	N/A	461.29'	S88° 28' 43.33"E	123725.42'	1275691.15'	123713.17'	1276152.28'
L9	293+20.63	309+81.30	N/A	N/A	1660.67'	S87° 45' 37.86"E	123713.17'	1276152.28'	123648.28'	1277811.68'

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11
 VERTICAL DATUM: NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK)

100% DESIGN

DRAFTED: D. MCINTOSH
 DESIGNED: J. COLE
 REVIEWED: C. MULLEN
 APPROVED: D. WINKLER

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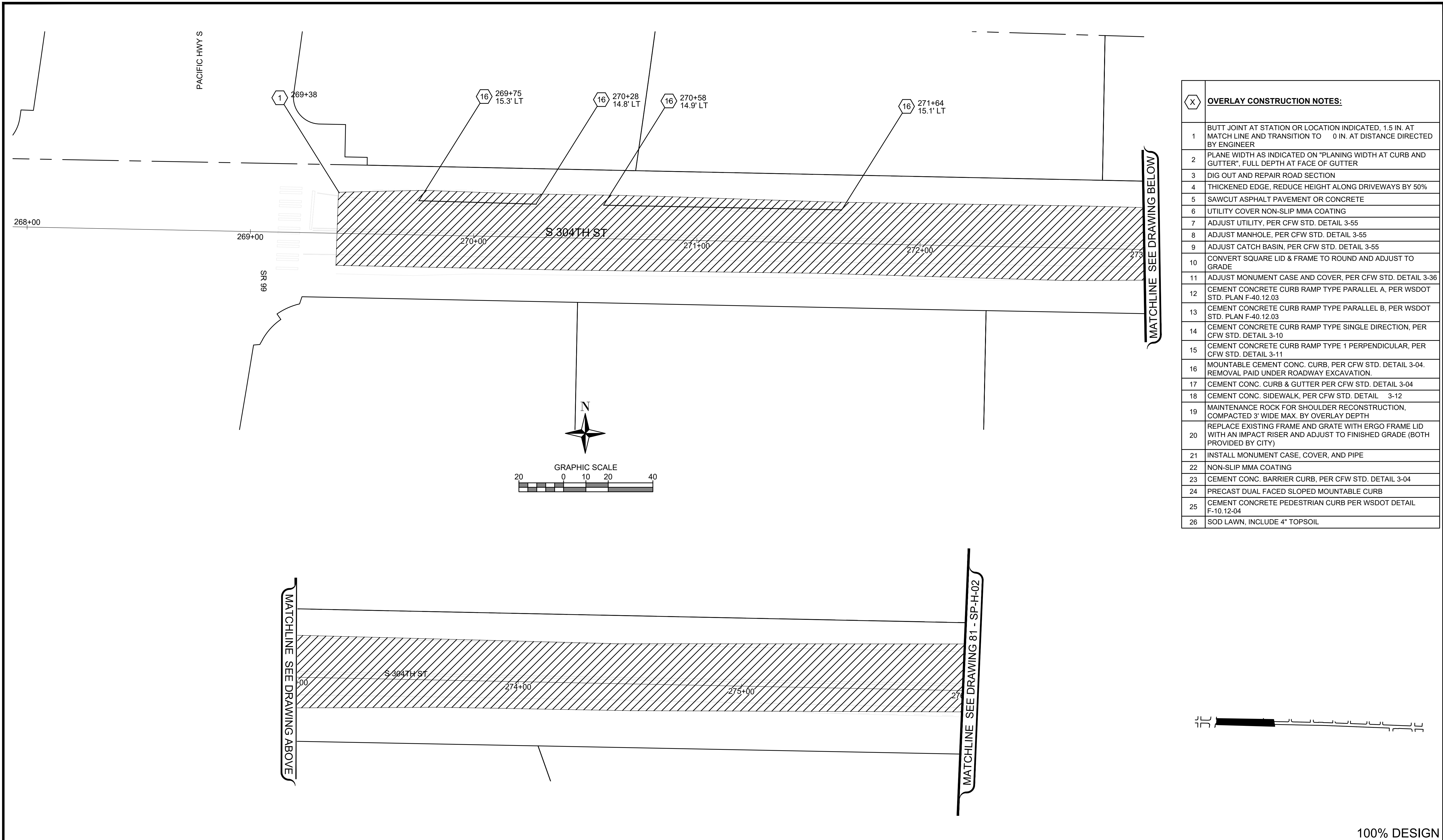
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SC-H-01
SURV.CONT. & KEY

CITY PROJECT #:
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OF **98**

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OVERLAY CONSTRUCTION NOTES:	
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3	DIG OUT AND REPAIR ROAD SECTION
4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
10	CONVERT SQUARE LID & FRAME TO ROUND AND ADJUST TO GRADE
11	ADJUST MONUMENT CASE AND COVER, PER CFW STD. DETAIL 3-36
12	CEMENT CONCRETE CURB RAMP TYPE PARALLEL A, PER WSDOT STD. PLAN F-40.12.03
13	CEMENT CONCRETE CURB RAMP TYPE PARALLEL B, PER WSDOT STD. PLAN F-40.12.03
14	CEMENT CONCRETE CURB RAMP TYPE SINGLE DIRECTION, PER CFW STD. DETAIL 3-10
15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	MOUNTABLE CEMENT CONC. CURB, PER CFW STD. DETAIL 3-04. REMOVAL PAID UNDER ROADWAY EXCAVATION.
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
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19	MAINTENANCE ROCK FOR SHOULDER RECONSTRUCTION, COMPACTED 3' WIDE MAX. BY OVERLAY DEPTH
20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	INSTALL MONUMENT CASE, COVER, AND PIPE
22	NON-SLIP MMA COATING
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL

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 APPROVED: D. WINKLER

CHRISTINE J. MULLEN
 REGISTERED PROFESSIONAL ENGINEER
 11 Feb 2023

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2023 OVERLAY PROJECT
 SP-H-01
 STA: 269+00 - 276+00

CITY PROJECT #:
 12523
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 OF 98

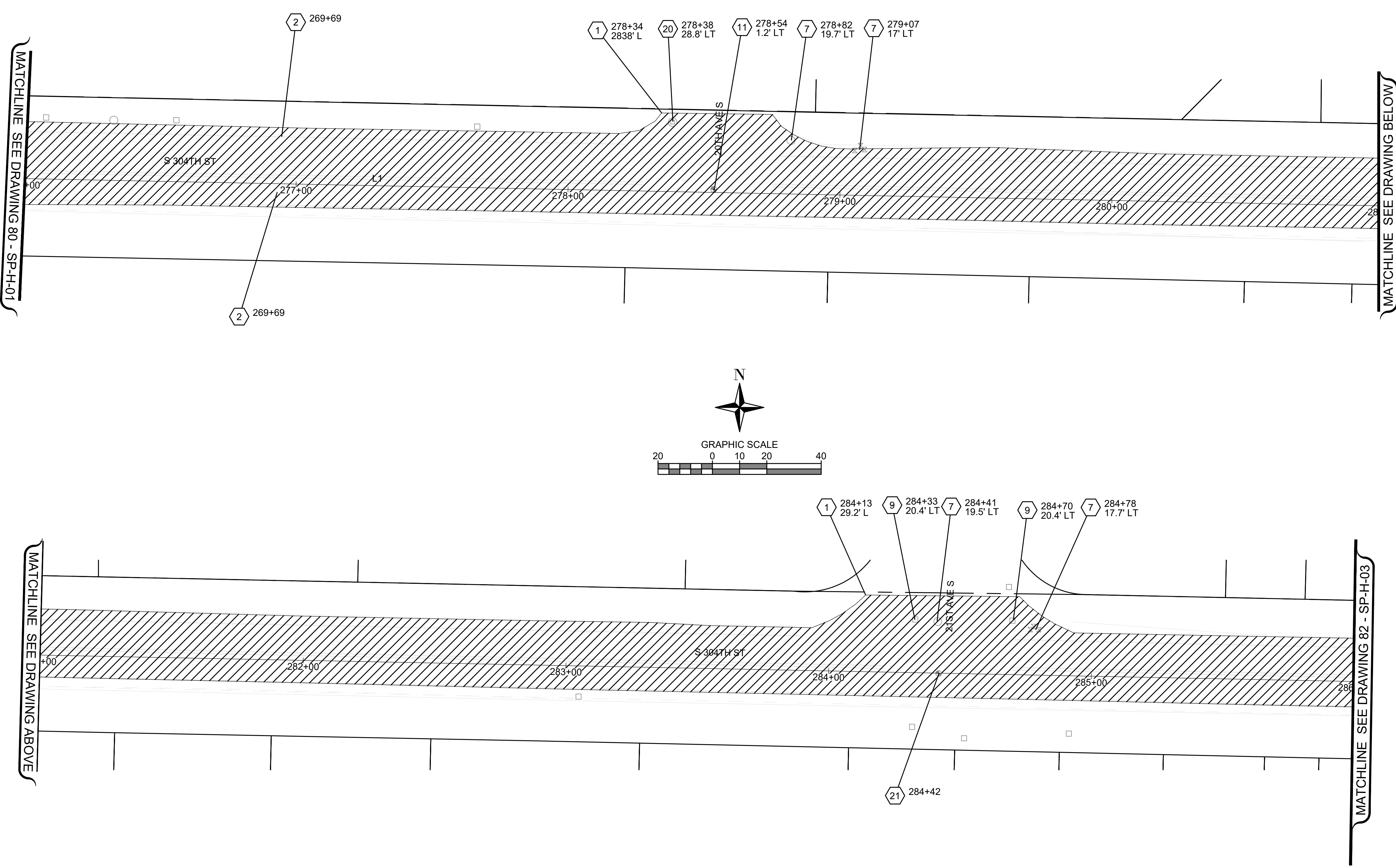
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MATCHLINE SEE DRAWING 80 - SP-H-01

MATCHLINE SEE DRAWING ABOVE

MATCHLINE SEE DRAWING BELOW

MATCHLINE SEE DRAWING 82 - SP-H-03



OVERLAY CONSTRUCTION NOTES:	
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4	THICKENED EDGE, REDUCE HEIGHT ALONG DRIVEWAYS BY 50%
5	SAWCUT ASPHALT PAVEMENT OR CONCRETE
6	UTILITY COVER NON-SLIP MMA COATING
7	ADJUST UTILITY, PER CFW STD. DETAIL 3-55
8	ADJUST MANHOLE, PER CFW STD. DETAIL 3-55
9	ADJUST CATCH BASIN, PER CFW STD. DETAIL 3-55
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15	CEMENT CONCRETE CURB RAMP TYPE 1 PERPENDICULAR, PER CFW STD. DETAIL 3-11
16	MOUNTABLE CEMENT CONC. CURB, PER CFW STD. DETAIL 3-04. REMOVAL PAID UNDER ROADWAY EXCAVATION.
17	CEMENT CONC. CURB & GUTTER PER CFW STD. DETAIL 3-04
18	CEMENT CONC. SIDEWALK, PER CFW STD. DETAIL 3-12
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20	REPLACE EXISTING FRAME AND GRATE WITH ERGO FRAME LID WITH AN IMPACT RISER AND ADJUST TO FINISHED GRADE (BOTH PROVIDED BY CITY)
21	INSTALL MONUMENT CASE, COVER, AND PIPE
22	NON-SLIP MMA COATING
23	CEMENT CONC. BARRIER CURB, PER CFW STD. DETAIL 3-04
24	PRECAST DUAL FACED SLOPED MOUNTABLE CURB
25	CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT DETAIL F-10.12-04
26	SOD LAWN, INCLUDE 4" TOPSOIL



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2023 OVERLAY PROJECT

SP-H-02
STA: 276+00 - 286+00

100% DESIGN

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12523

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OF **98**

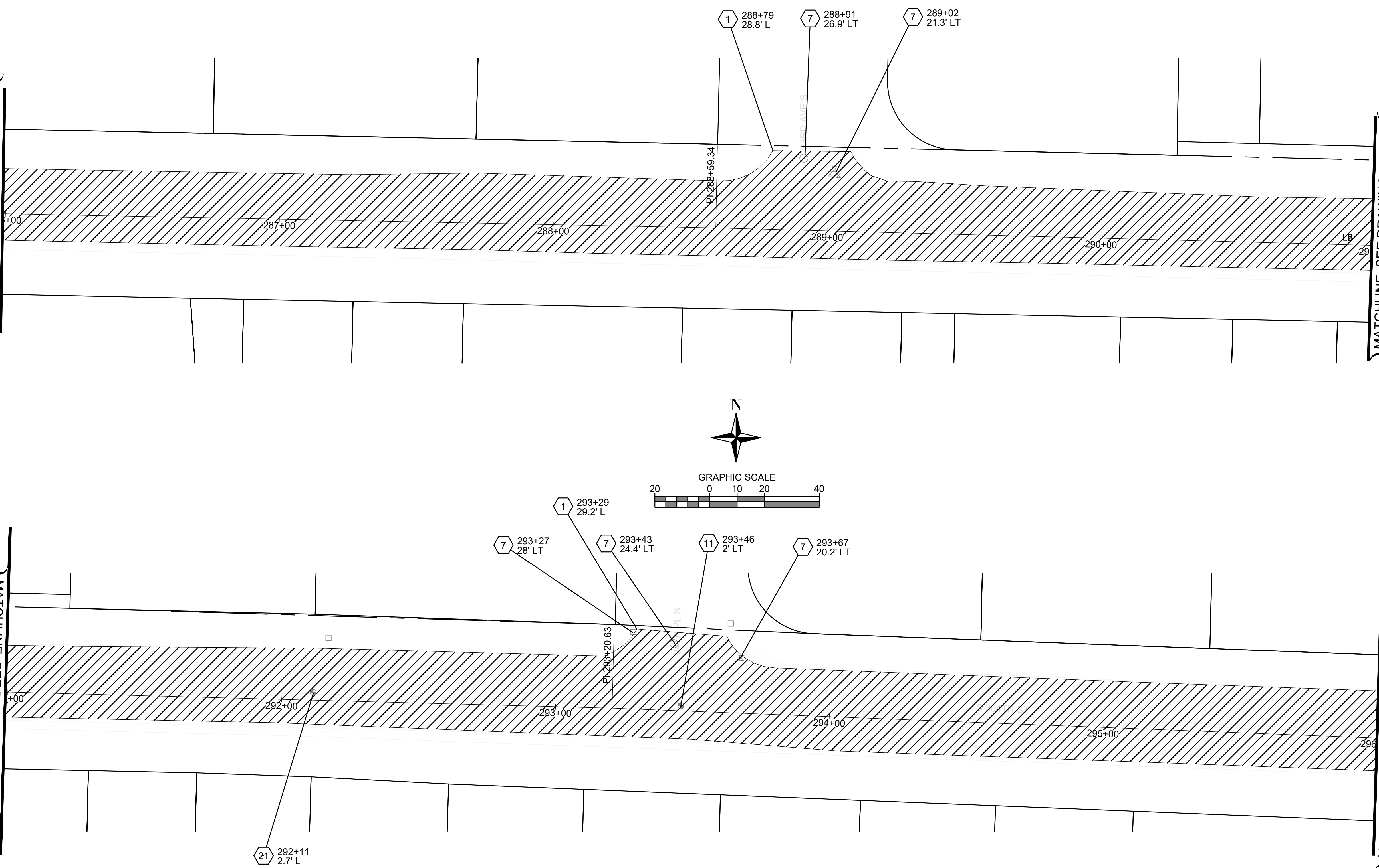
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MATCHLINE SEE DRAWING 81 - SP-H-02

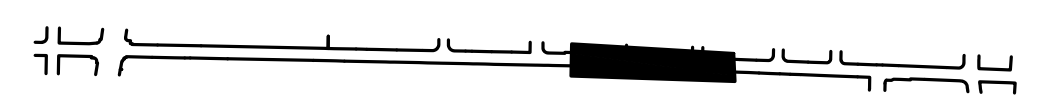
MATCHLINE SEE DRAWING BELOW

MATCHLINE SEE DRAWING ABOVE

MATCHLINE SEE DRAWING 83 - SP-H-04



OVERLAY CONSTRUCTION NOTES:	
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26	SOD LAWN, INCLUDE 4" TOPSOIL



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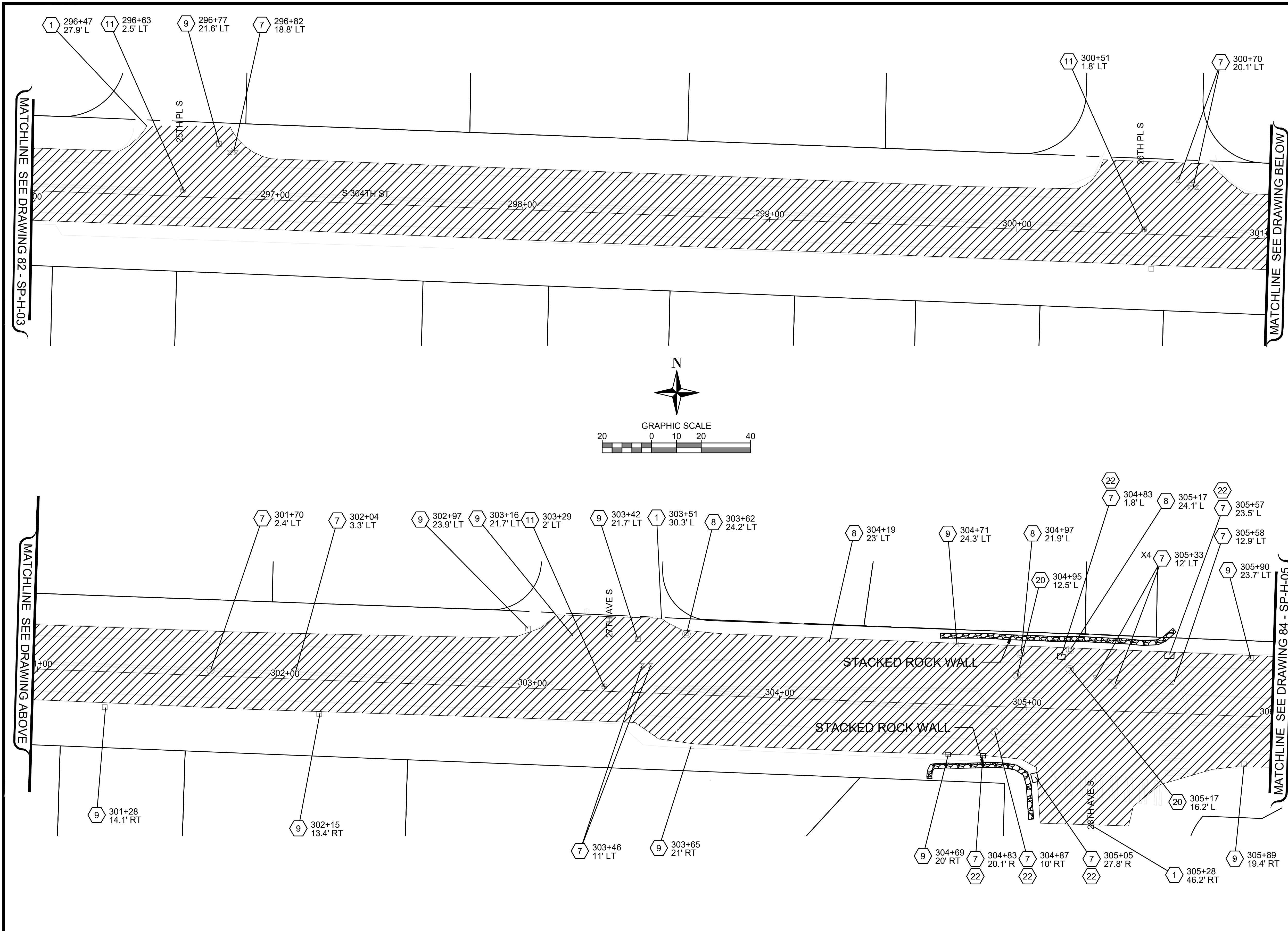
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STA: 286+00 -296+00

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OF **98**



OVERLAY CONSTRUCTION NOTES:	
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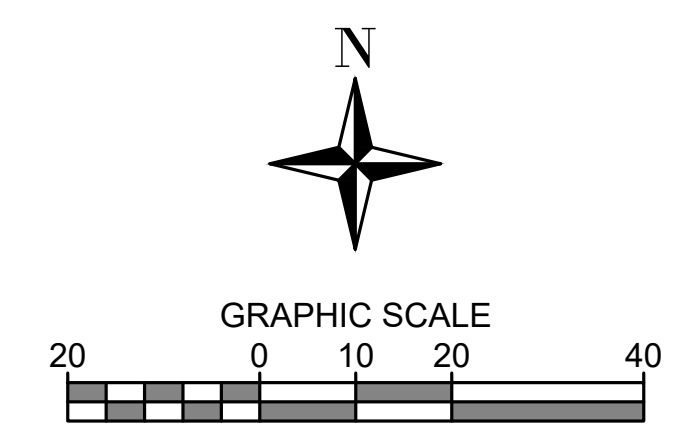
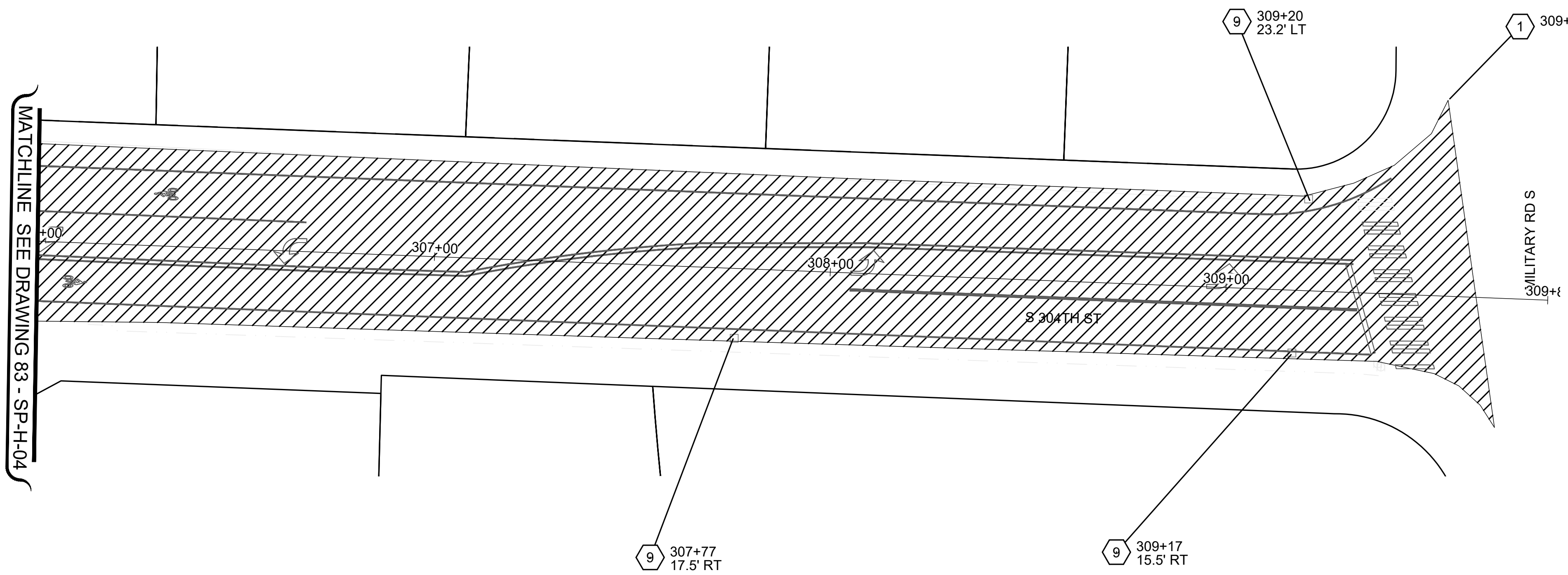
2023 OVERLAY PROJECT

SP-H-04

STA: 296+00 - 306+00

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CITY PROJECT #:
12523
SHT. **83**
OF **98**

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26	SOD LAWN, INCLUDE 4" TOPSOIL



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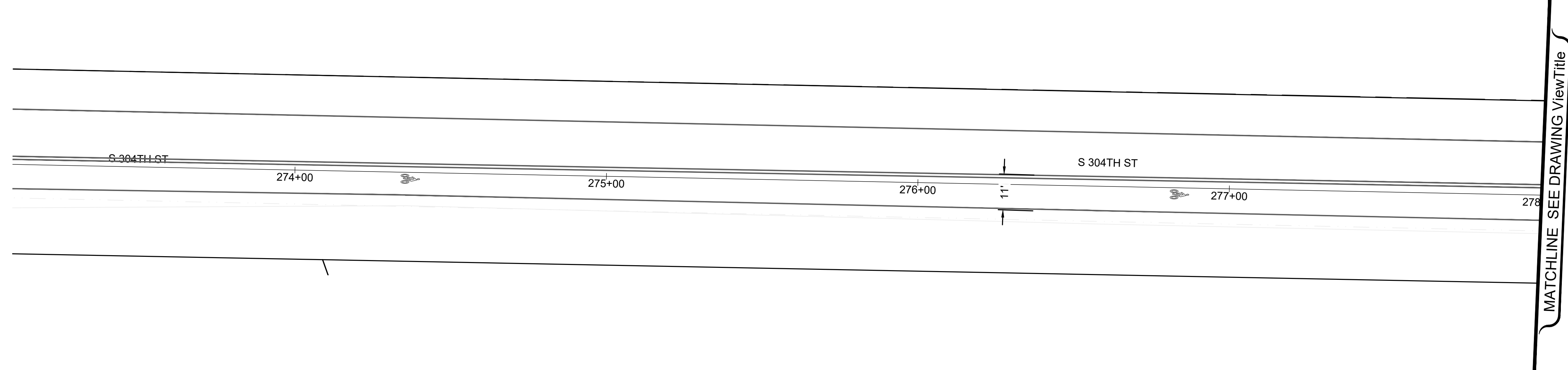
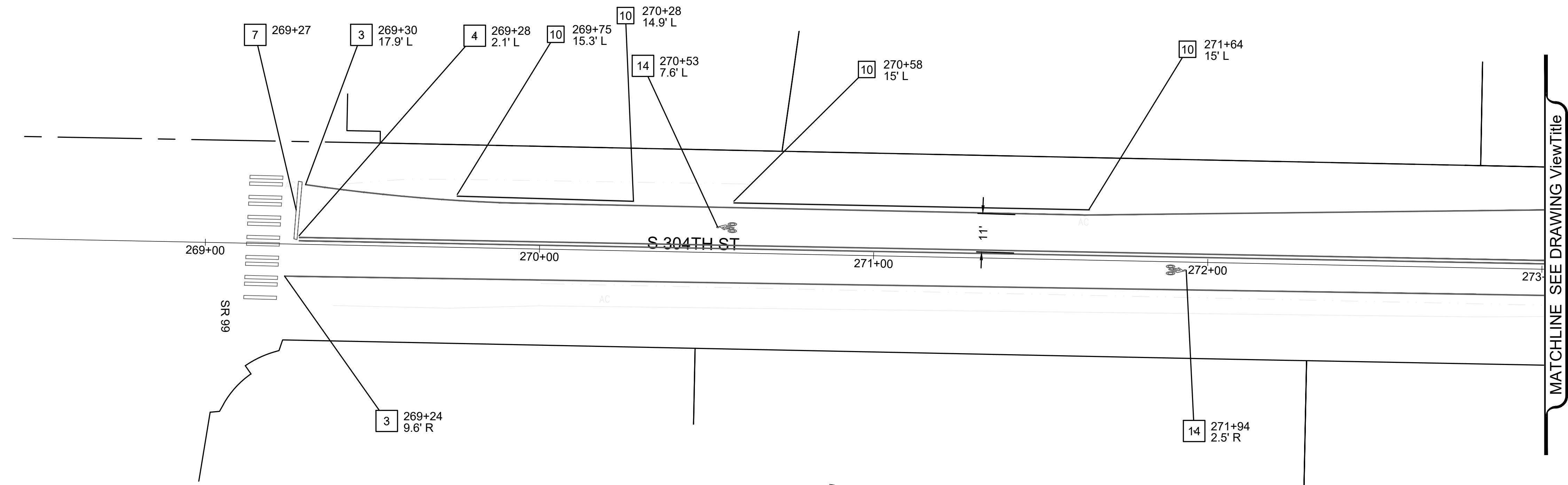
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2023 OVERLAY PROJECT
SP-H-05
STA: 306+00 - 309+16

CITY PROJECT #:
12523
SHT. 84
OF 98

X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
3	PLASTIC EDGE LINE (MATERIAL TYPE D)
4	PROFILED PLASTIC DOUBLE YELLOW CENTERLINE (MATERIAL TYPE D)
5	PROFILED PLASTIC WIDE LINE (MATERIAL TYPE D)
6	SURFACE APPLIED DETECTABLE WARNING SURFACE PER CFW DETAIL 3-58
7	PLASTIC STOP LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
8	PLASTIC CROSSWALK LINE PER CFW DETAIL 3-21 (MATERIAL TYPE A)
9	PLASTIC YIELD LINE SYMBOLS PER WSDOT STD. PLAN M-24-60-04
10	MOUNTABLE CEMENT CONC. CURB, PER CFW STD. DETAIL 3-04. REMOVAL PAID UNDER ROADWAY EXCAVATION.
11	HYDRANT MARKER TYPE 2B
12	PLASTIC SPEED BUMP SYMBOL PER WSDOT STD. PLAN M-24.60-04 (MATERIAL TYPE A). INCIDENTAL TO SPEED HUMP INSTALLATION
13	NOT USED ON THIS SCHEDULE
14	PAINTED SHARROW BICYCLE LANE SYMBOL PER DETAIL G-06
15	PLASTIC TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)
16	NOT USED ON THIS SCHEDULE
17	REMOVE PLASTIC TRAFFIC MARKING
18	PLASTIC ROUNDABOUT CIRCLE MARKING PER WSDOT STD. PLAN M-24.40-02 (MATERIAL TYPE A)



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DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11 Feb 2023

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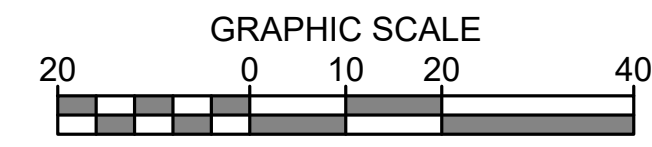
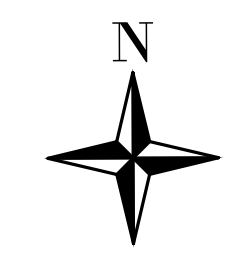
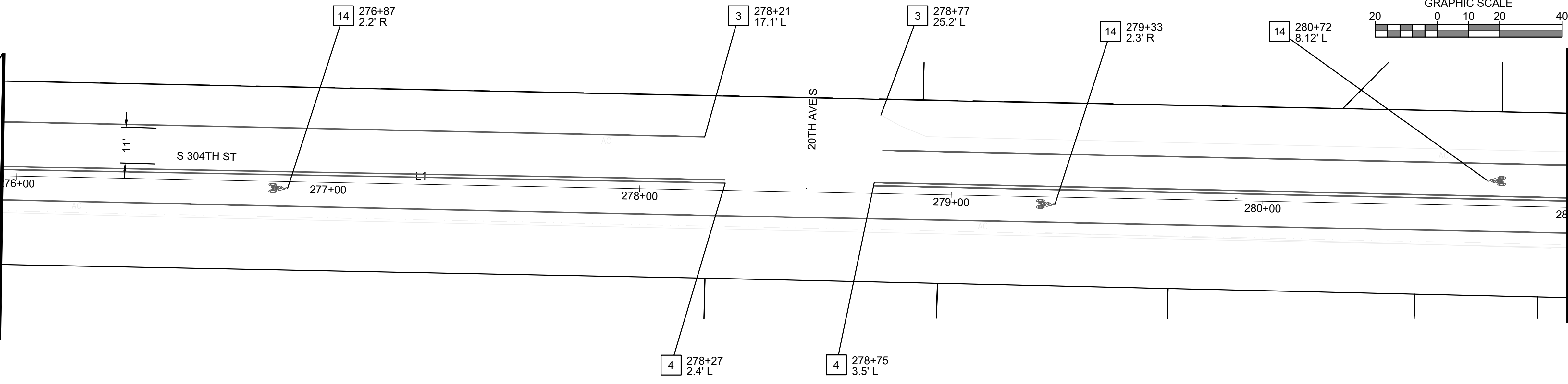
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X	PAVEMENT MARKING CONSTRUCTION NOTES
1	PROFILED PLASTIC TWO WAY LEFT TURN CENTER LINE (MATERIAL TYPE D)
2	PROFILED PLASTIC LANE LINE (MATERIAL TYPE D)
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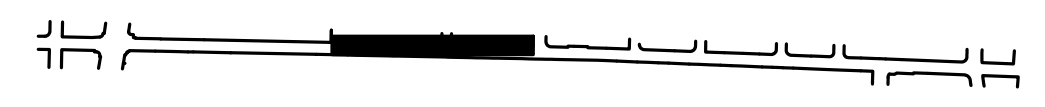
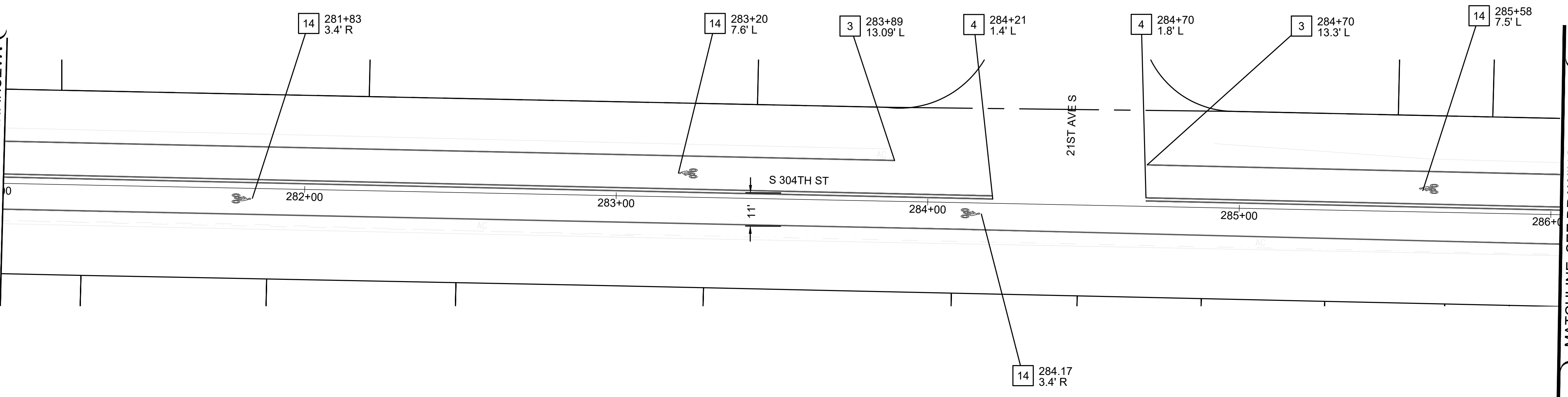
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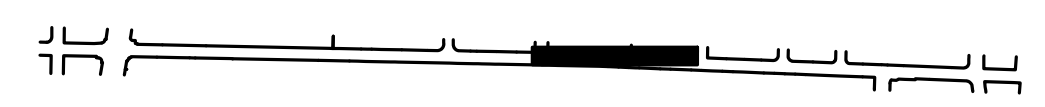
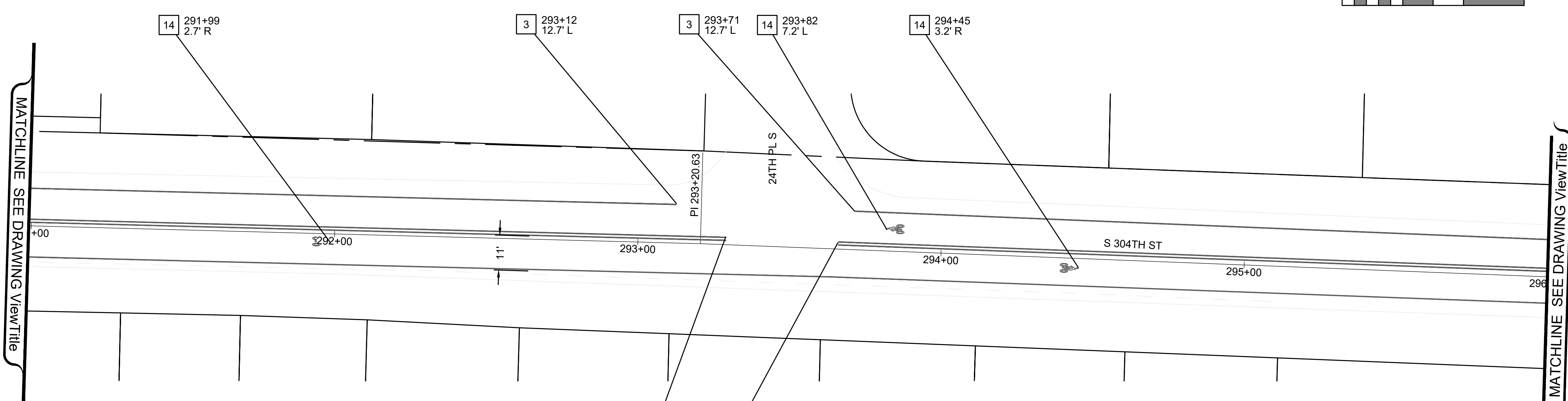
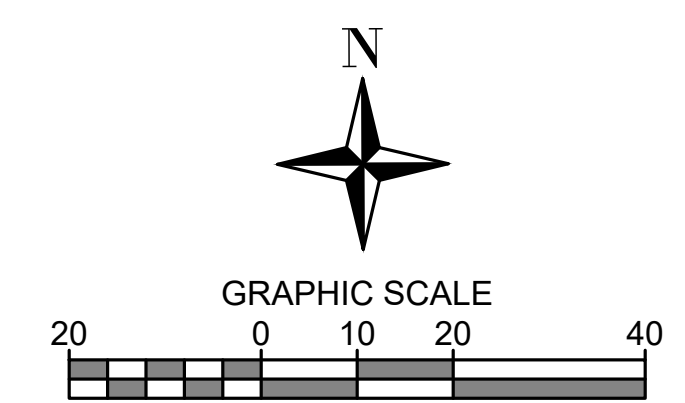
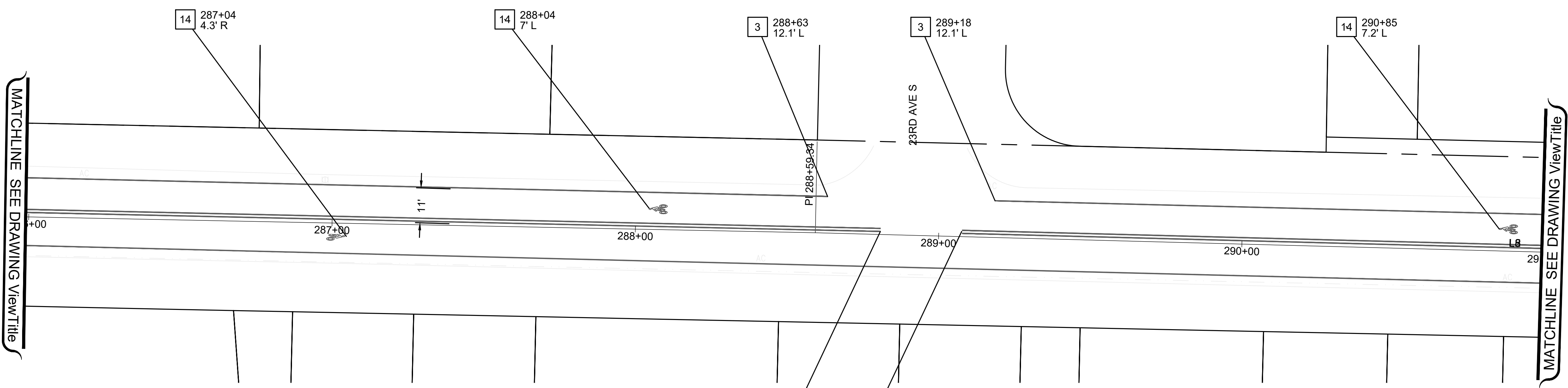
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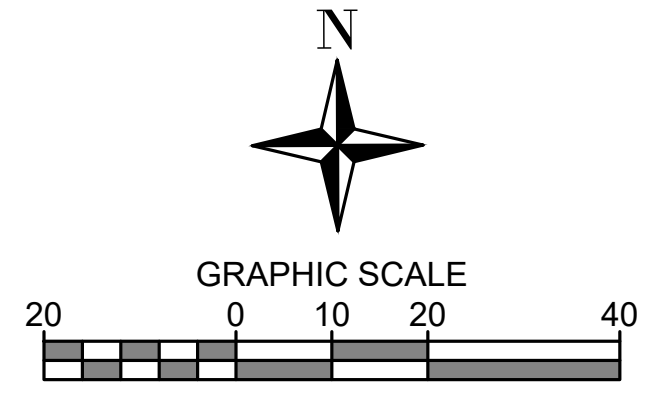
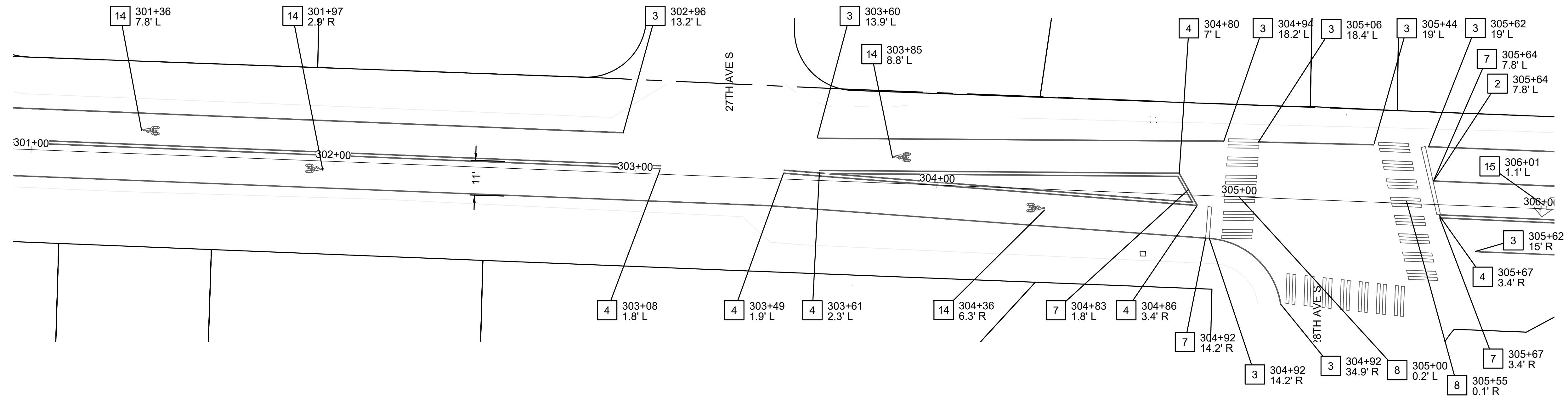
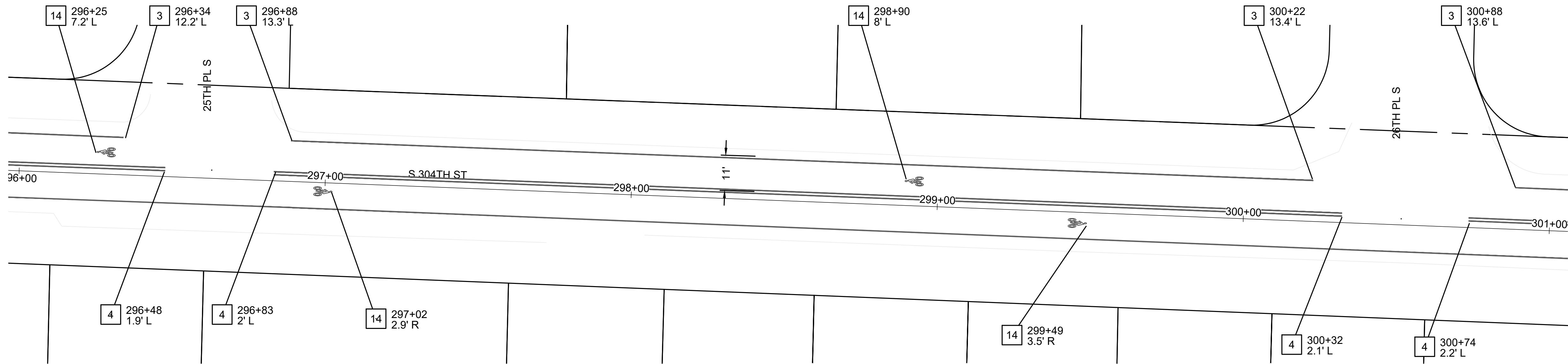
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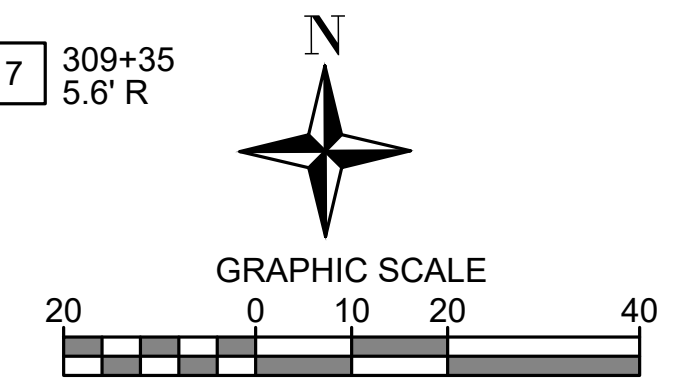
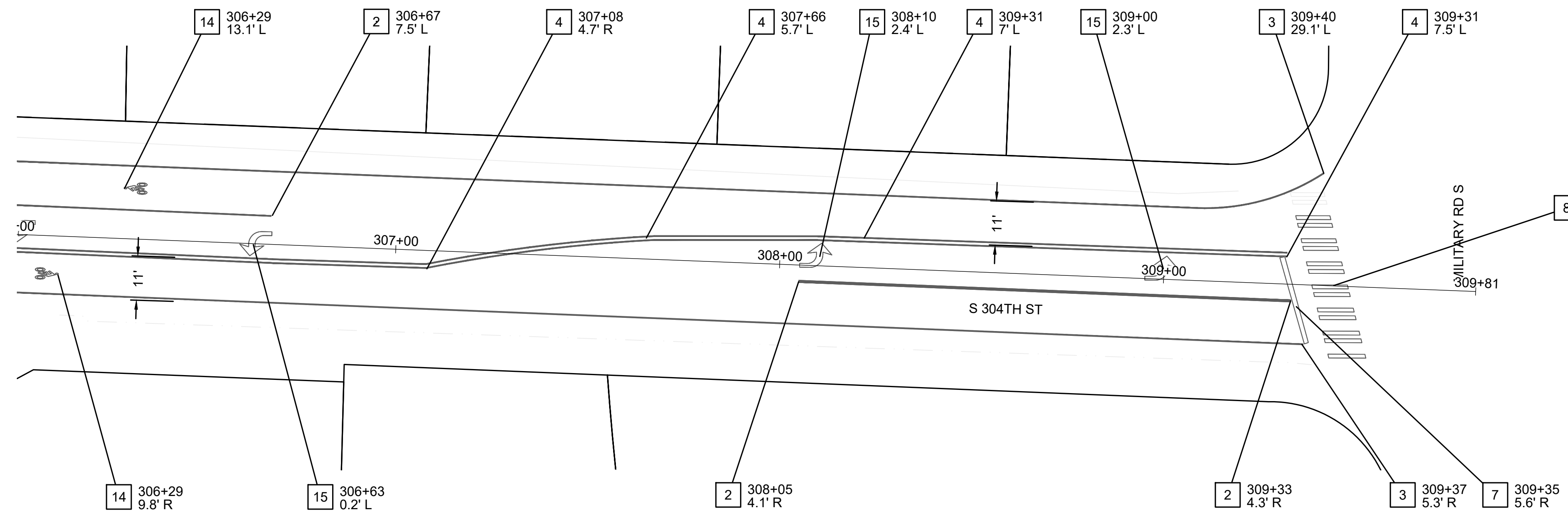
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MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

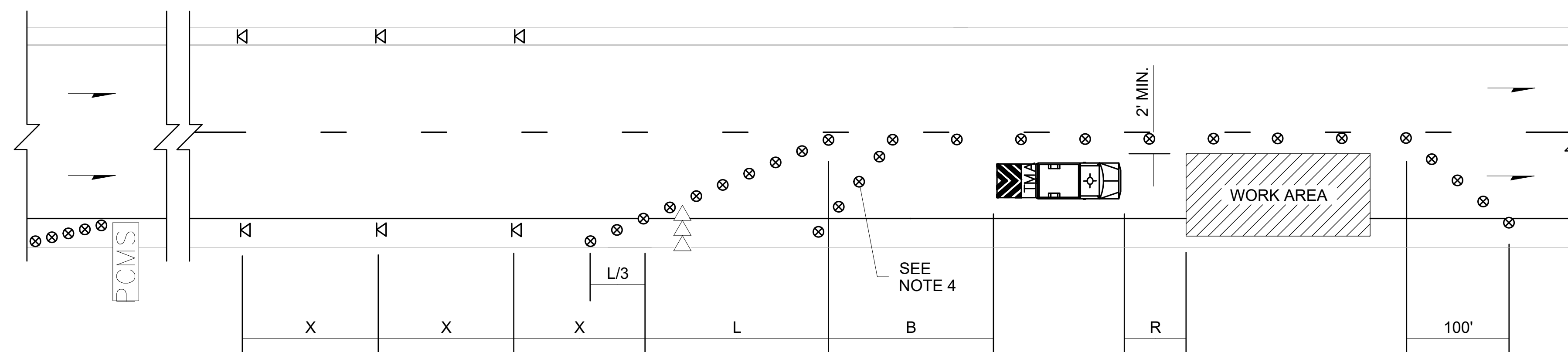
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

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

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

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
LENGTH (feet)	25	30	35	40	45	50	55	60	65	70
	155	200	250	305	360	425	495	570	645	730

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FEET MAX.



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE IN ADVANCE OF LANE CLOSURE SIGNING.

- LEGEND**
- ⊠ TEMPORARY SIGN LOCATION
 - ⊗ TRAFFIC SAFETY DRUM
 - ⇨⇨ SEQUENTIAL ARROW SIGN
 - ▶▶▶ TRANSPORTABLE ATTENUATOR
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
6. ALL SIGNS ARE BLACK ON ORANGE.

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CHRISTINE J. MULLEN
PROFESSIONAL ENGINEER
11-Feb-2023

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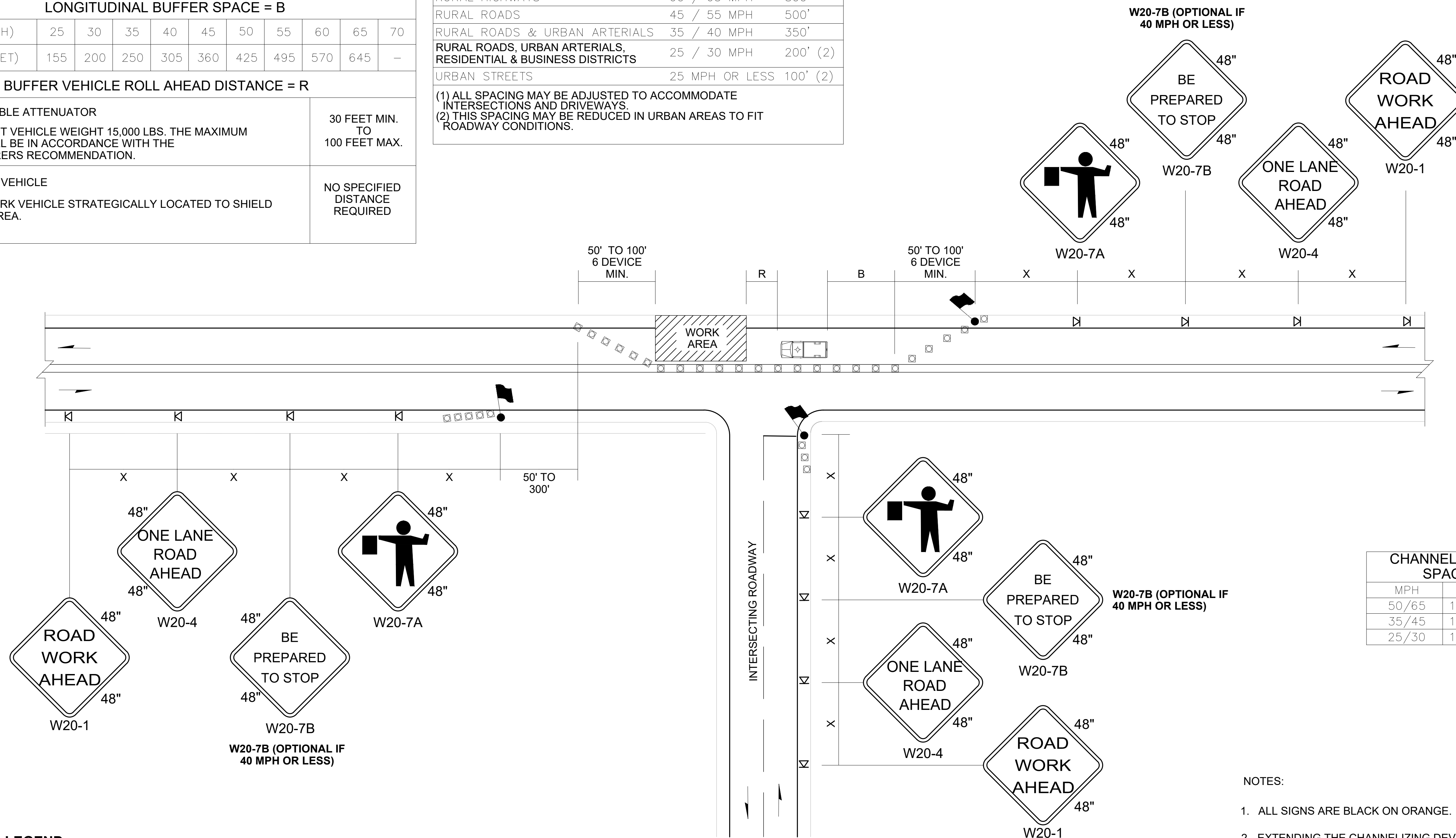
523 TC - 1
TRAFFIC CONTROL

CITY PROJECT #
12523
SHT. 90
OF 98

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.									30 FEET MIN. TO 100 FEET MAX.	
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.									NO SPECIFIED DISTANCE REQUIRED	

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

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



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

- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE

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

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS
NOT TO SCALE

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PROFESSIONAL ENGINEER
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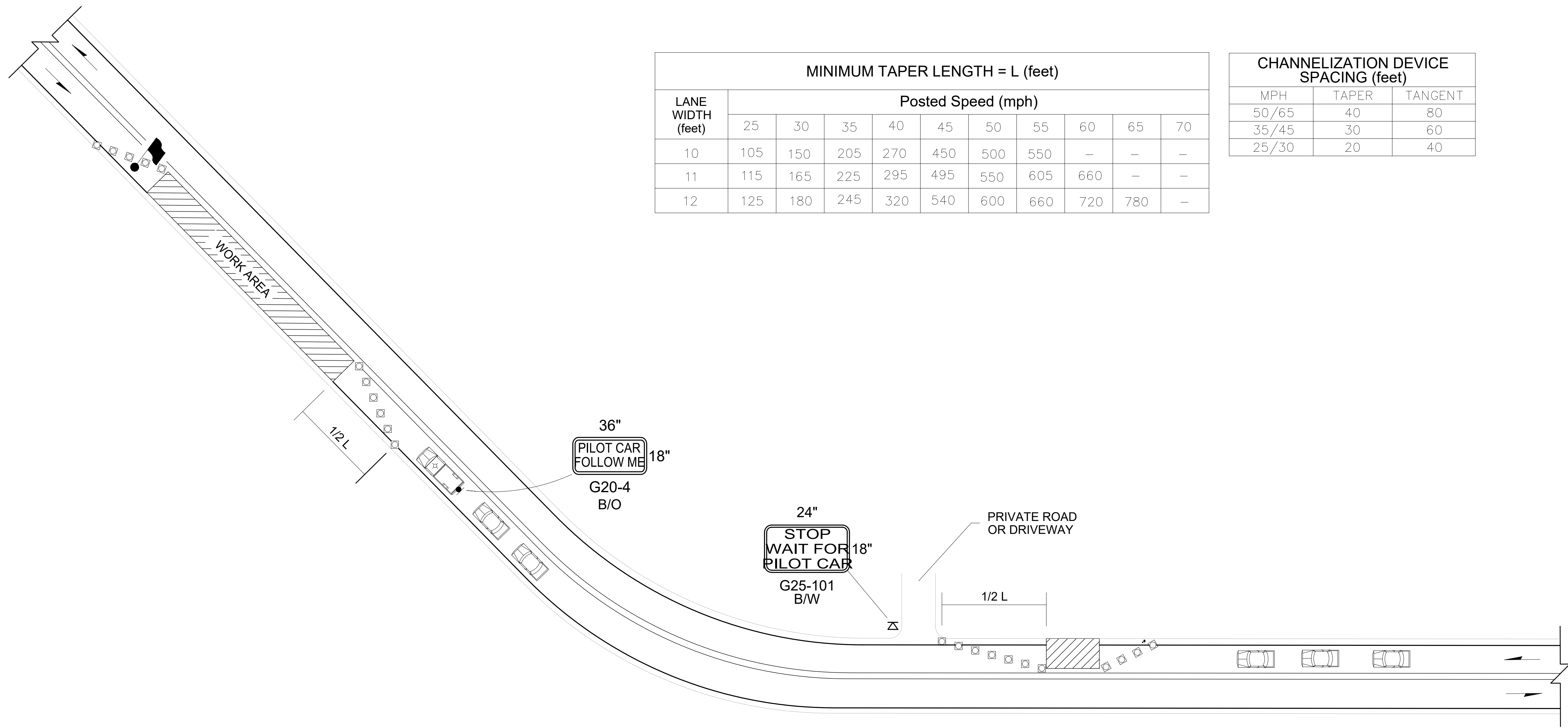
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523 TC - 2
TRAFFIC CONTROL

CITY PROJECT #
12523

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

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PILOT VEHICLE
 - MOTORIST VEHICLE

PILOT CAR OPERATION

NOT TO SCALE

NOTES:

1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT FLAGGING STATIONS.
3. SIGN G25-101 IS RECOMMENDED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS. THIS SIGN IS NOT REQUIRED TO BE ALUMINUM SUBSTRATE AND CAN BE MADE OF ALTERNATIVE MATERIALS.

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Professional Engineer
11-Feb-2023

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523 TC - 3
TRAFFIC CONTROL

CITY PROJECT #
12523

SHT. 92
OF 98

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

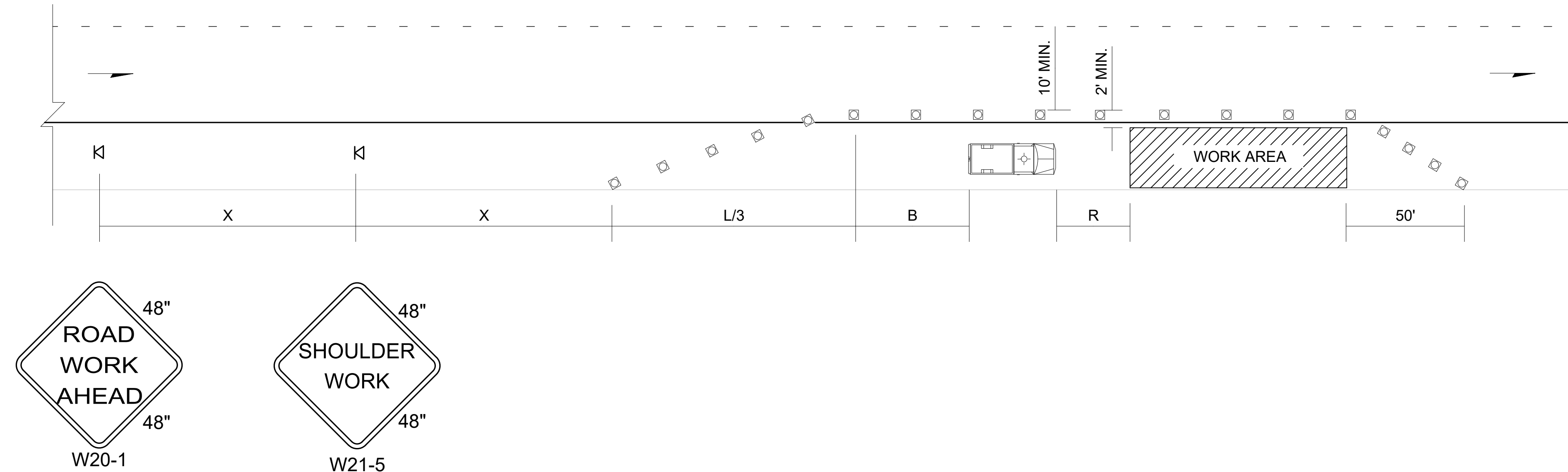
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(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

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

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305						
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										NO SPECIFIED DISTANCE REQUIRED



LEGEND

- KI TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE

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

NOT TO SCALE

NOTES:

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

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APPROVED: D. WINKLER

CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

523 TC - 4
TRAFFIC CONTROL

CITY PROJECT #
12523

SHT. 93
OF 98

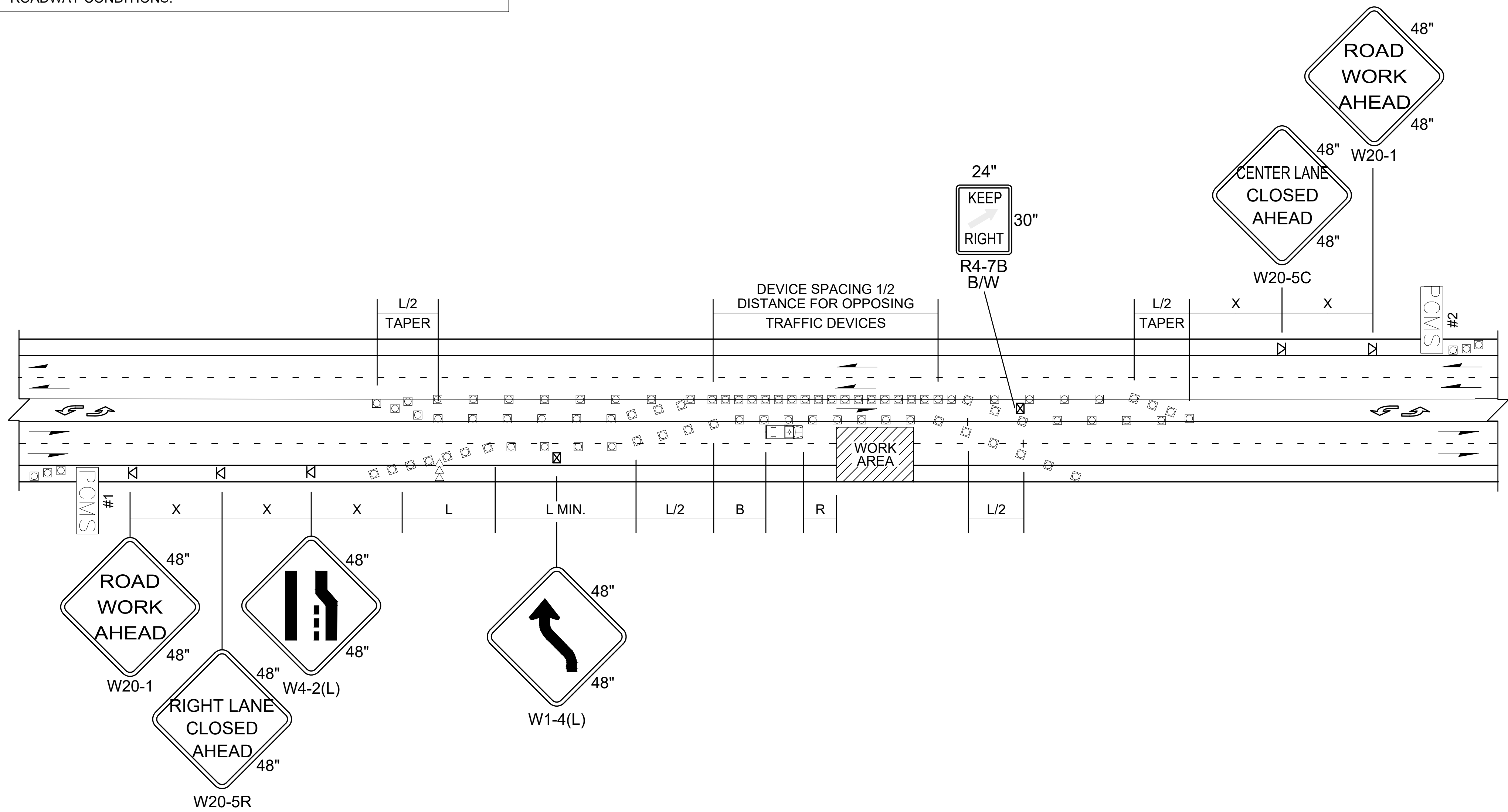
SIGN SPACING = X (1)		
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' (2)

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

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

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

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	-	-	-	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR								30 FEET MIN. TO 100 FEET MAX.		
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
PROTECTIVE VEHICLE								NO SPECIFIED DISTANCE REQUIRED		
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										



PCMS #1	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

PCMS #2	
1	2
CENTER LANE CLOSED	NNO LEFT TURNING
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

- LEGEND**
- ⊞ TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - ↔ SEQUENTIAL ARROW SIGN
 - ▭ PROTECTIVE VEHICLE
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - ⊞ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY

NOT TO SCALE

NOTES:

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

100% DESIGN

CITY OF Federal Way
Centered on Opportunity
33325 8th Avenue South
Federal Way, WA 98003-6325
(253) 835-2700
www.cityoffederalway.com

811
Know what's below.
Call 811 before you dig.

DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

523 TC - 5
TRAFFIC CONTROL

CITY PROJECT #
12523

SHT. **94**
OF **98**

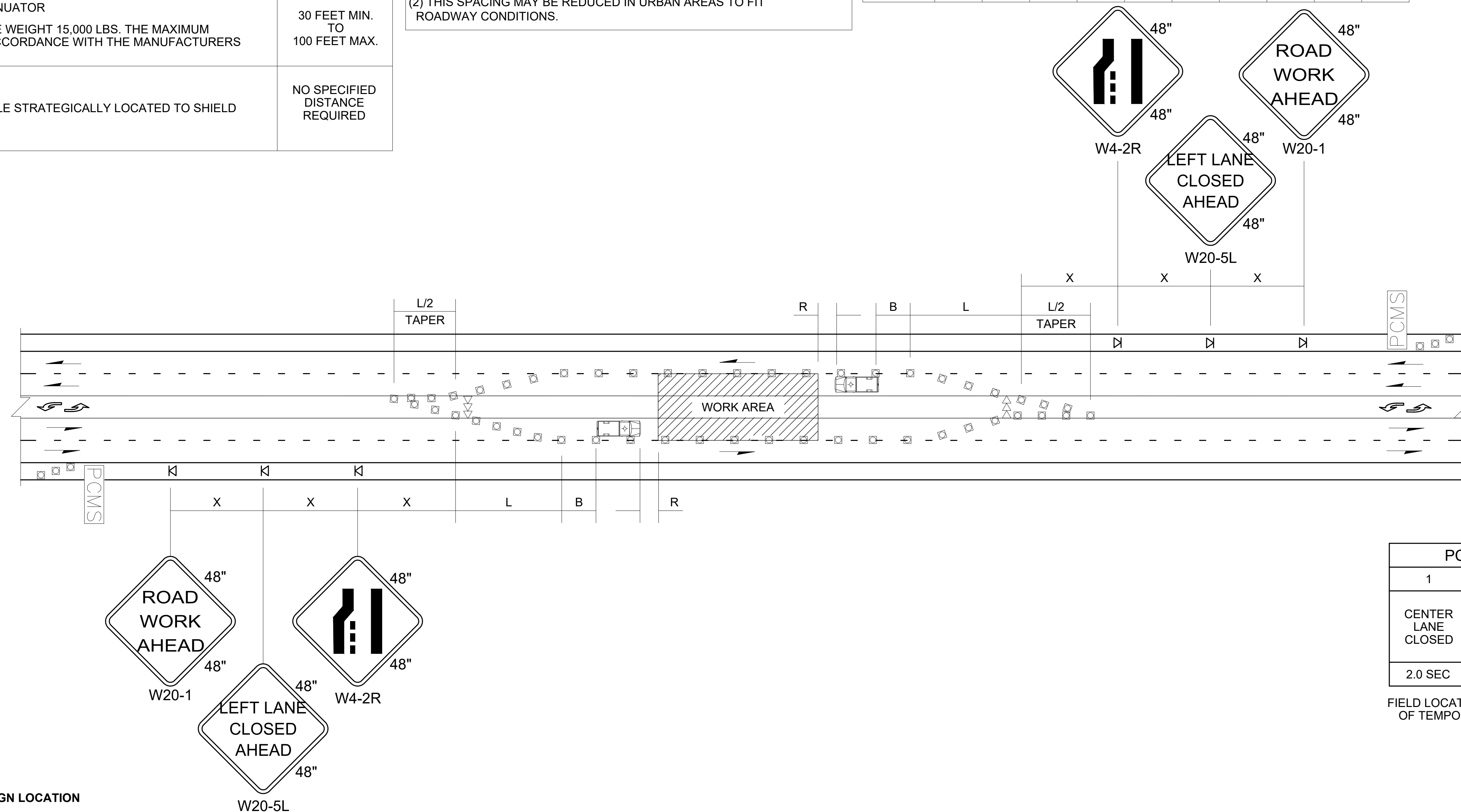
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	-	-	-	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										NO SPECIFIED DISTANCE REQUIRED

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

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

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

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



PCMS	
1	2
CENTER LANE CLOSED	NNO LEFT TURNING
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE
- PORTABLE CHANGEABLE MESSAGE SIGN

LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. ALL SIGNS ARE BLACK ON ORANGE.

100% DESIGN

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DRAFTED: D. MCINTOSH
DESIGNED: J. COLE
REVIEWED: C. MULLEN
APPROVED: D. WINKLER

CHRISTINE J. MULLEN
STATE OF WASHINGTON
39804
PROFESSIONAL ENGINEER
11-feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT
523 TC - 6
TRAFFIC CONTROL

CITY PROJECT #
12523
SHT. 95
OF 98

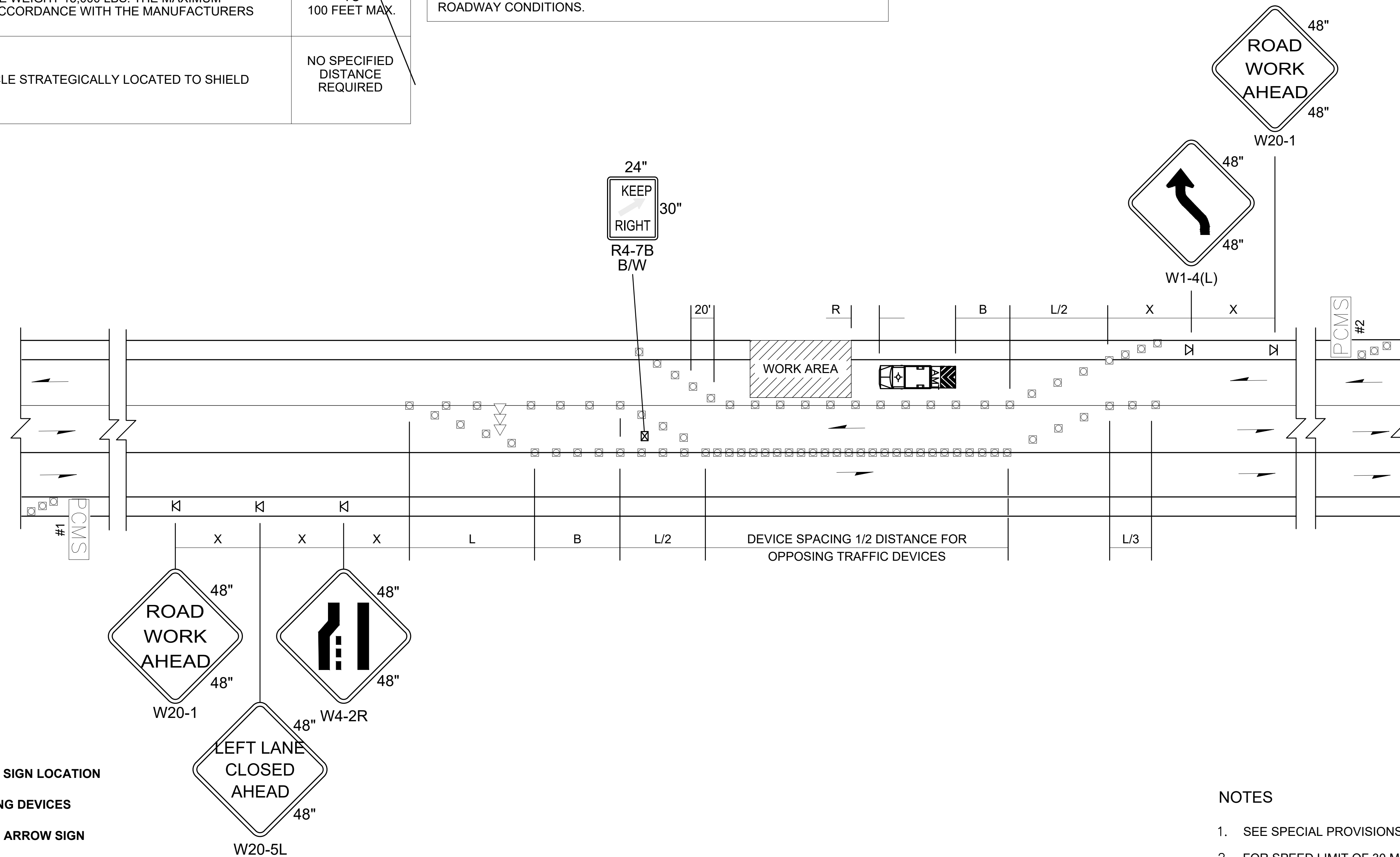
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										NO SPECIFIED DISTANCE REQUIRED

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

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

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

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



PCMS #1	
1	2
LEFT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

PCMS #2	
1	2
LANE SHIFTS LEFT	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

NOTES

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

LANE SHIFT - THREE LANE ROADWAY

NOT TO SCALE

100% DESIGN

<p>33325 8th Avenue South Federal Way, WA 98003-6325</p> <p>(253) 835-2700 www.cityoffederalway.com</p>	<p>Know what's below. Call 811 before you dig.</p>	<p>DRAFTED: D. MCINTOSH</p> <p>DESIGNED: J. COLE</p> <p>REVIEWED: C. MULLEN</p> <p>APPROVED: D. WINKLER</p>	<p>11 Feb 2023</p>	DRAWING VERSION / REVISION LOG		<p>2023 OVERLAY PROJECT</p> <p>523 TC - 7</p> <p>TRAFFIC CONTROL</p>	<p>CITY PROJECT #</p> <p>12523</p> <p>SHT. 96</p> <p>OF 98</p>
				NO.	DATE		

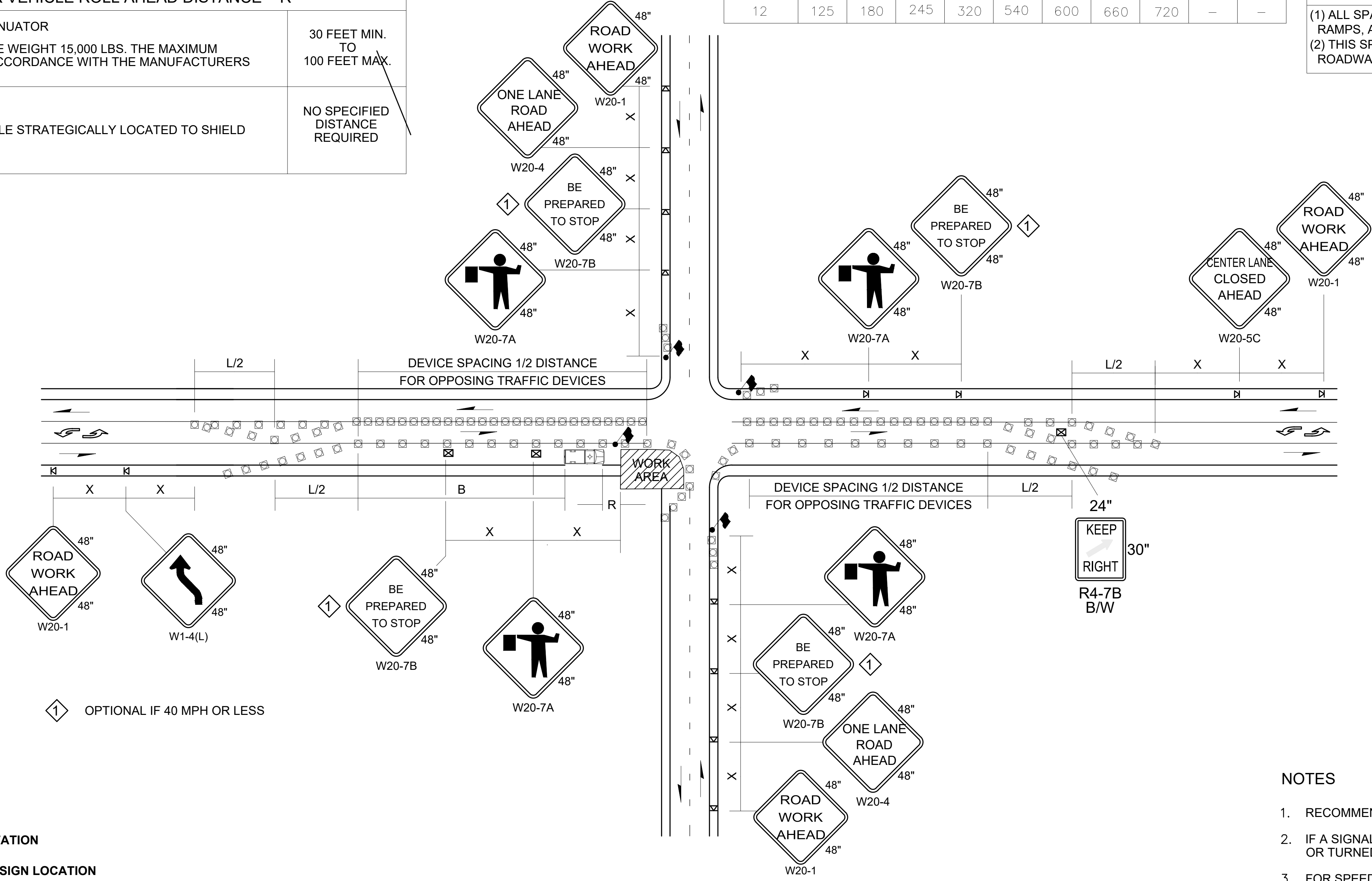
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										NO SPECIFIED DISTANCE REQUIRED

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

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

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

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



INTERSECTION LANE CLOSURE ~ THREE LANE ROADWAY

NOT TO SCALE

NOTES

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

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

100% DESIGN

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REVIEWED: C. MULLEN
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CHRISTINE J. MULLEN
REGISTERED PROFESSIONAL ENGINEER
11-Feb-2023

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

523 TC -8
TRAFFIC CONTROL

CITY PROJECT #
12523

SHT. 97
OF 98

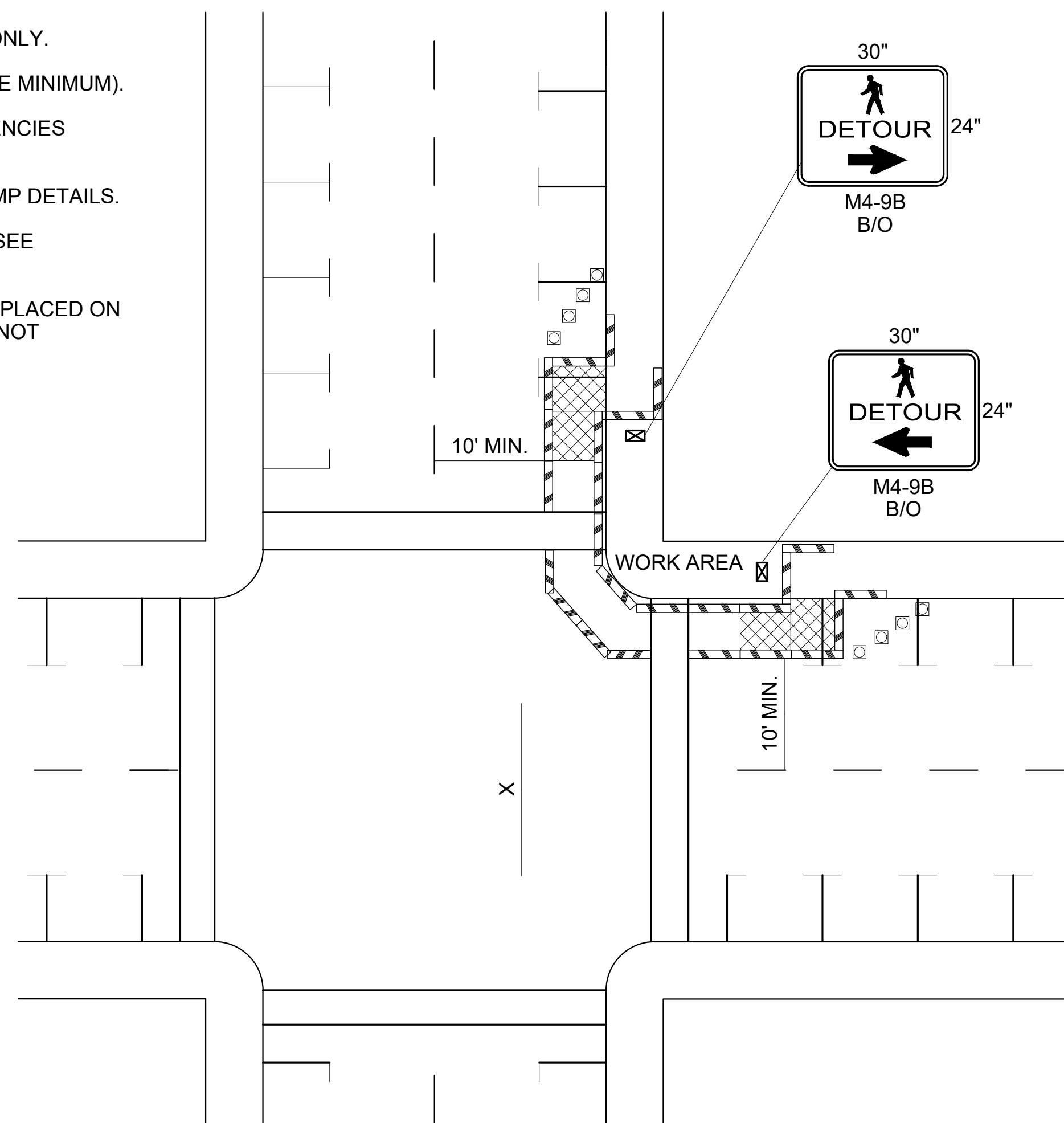


R8-3
24" x 30"
R/W

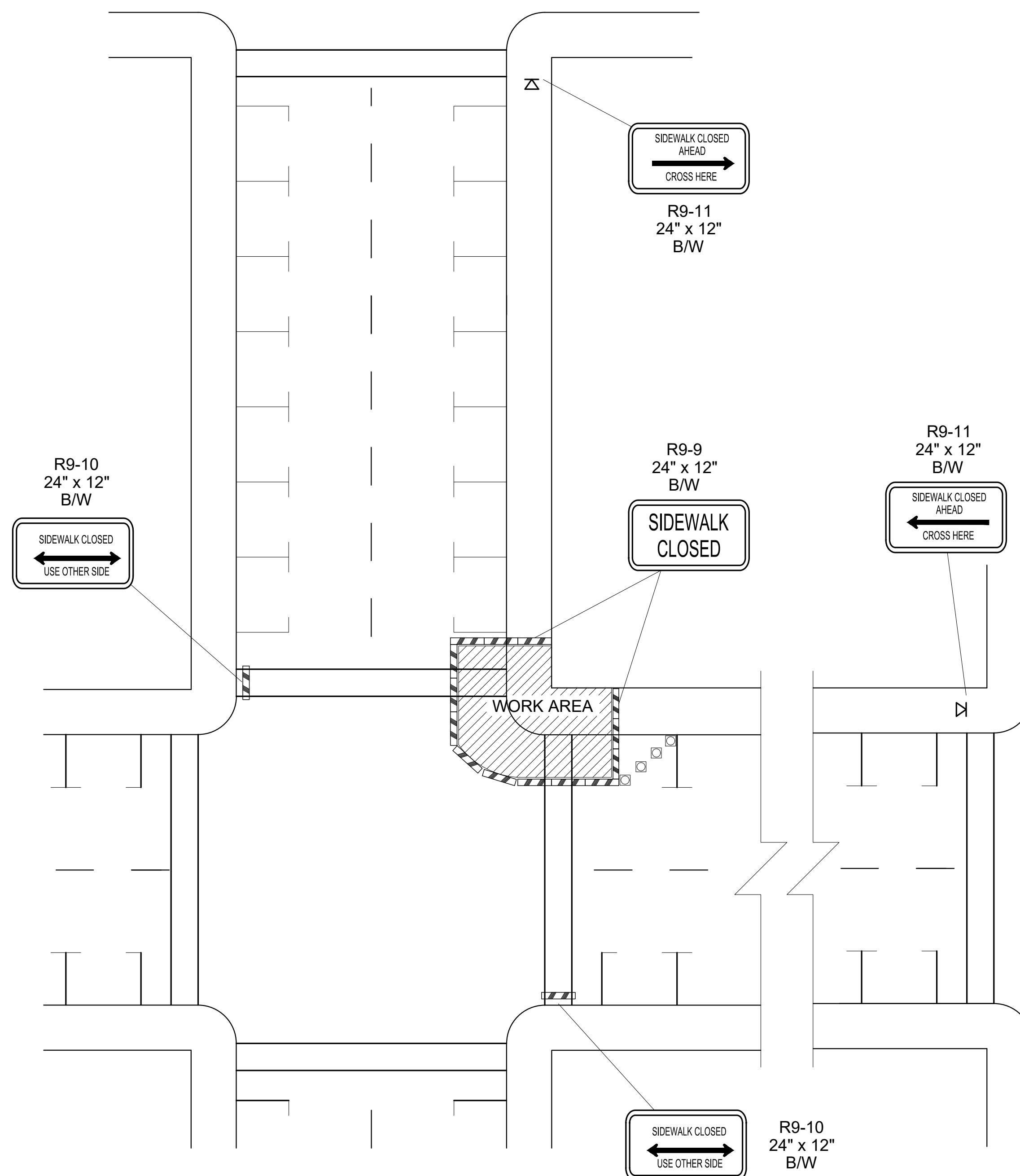
INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA
24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL.
PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.

NOTES

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
2. A 60" PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
4. SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED. SEE STANDARD SPECIFICATION 1-10.2(1)B.
6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.



SIDEWALK DIVERSION



SIDEWALK DETOUR

LEGEND

- ▣ TEMPORARY SIGN LOCATION
- ▣ CHANNELIZING DEVICES
- ▨ PEDESTRIAN CHANNELIZING DEVICES
- TEMPORARY PEDESTRIAN RAMP FOR SIDEWALKS

INTERSECTION PEDESTRIAN TRAFFIC CONTROL

NOT TO SCALE

100% DESIGN



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 DESIGNED: J. COLE
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 APPROVED: D. WINKLER



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

2023 OVERLAY PROJECT

523 TC - 9
TRAFFIC CONTROL

CITY PROJECT #
12523
SHT. 98
OF 98