



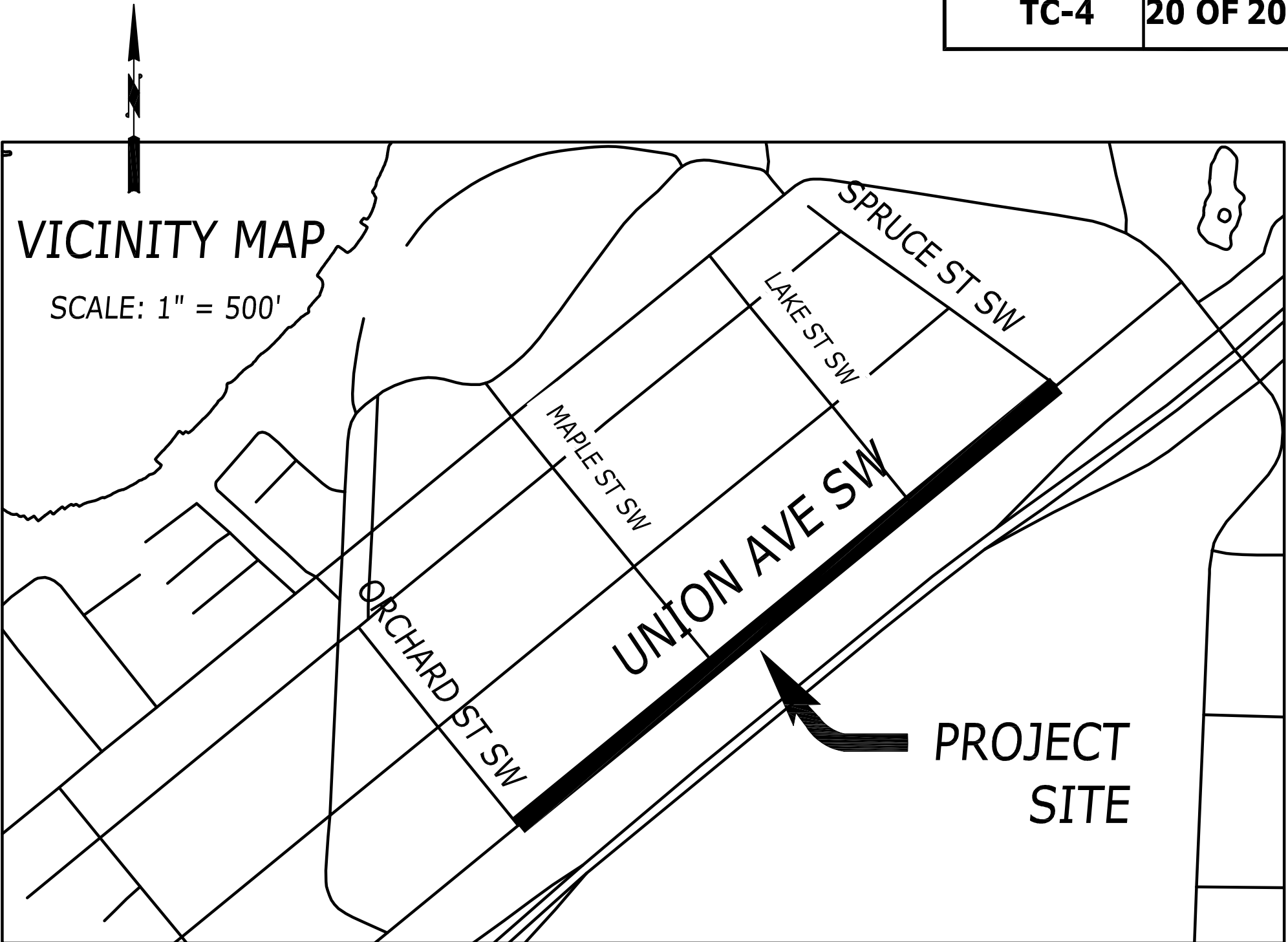
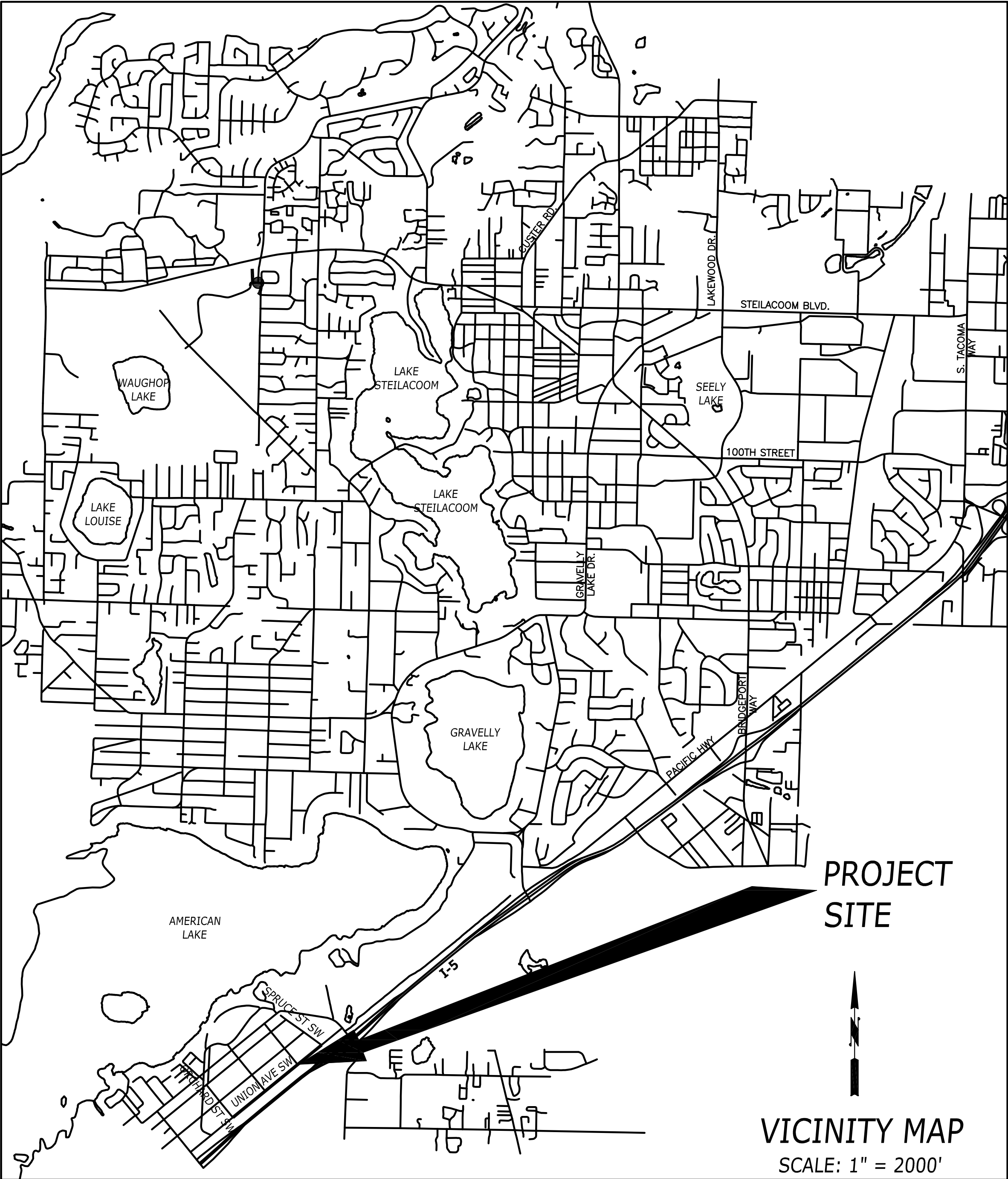
UNION AVENUE SW SIDEWALK

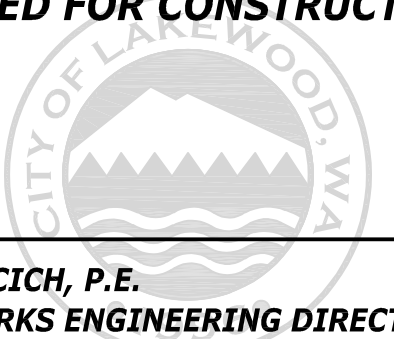
TIB PROJECT NO. P-P-199(P11)-1

COL PROJECT NO. 302.0096

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No.	Release/Revision	Rel. Date	Rel. By	Designed By: T. POKSWINSKI	APPROVED FOR CONSTRUCTION  PAUL A. BUCICH, P.E. PUBLIC WORKS ENGINEERING DIRECTOR/CITY ENGINEER DATE	Project Name: UNION AVE SW IMPROVEMENTS	Job No. 302.0096
△				Entered By: A. DOBROVIDOVA			
△				Checked By: C. T. HILL			
△				Approved By: P. BUCICH			
△				Project Start Date: XX/XX/2023 Drawing Scale: AS SHOWN Electronic File Name: 302.0096		Drawing Name: COVER SHEET	Drawing No. CV
△							Sheet 1 of 20

WATER SYMBOLS <table><tr><th>EXIST.</th><th>PROP.</th><th>DESCRIPTION</th></tr><tr><td></td><td></td><td>BLOW-OFF ASSEMBLY</td></tr><tr><td></td><td></td><td>CAP/PLUG</td></tr><tr><td></td><td></td><td>COUPLING</td></tr><tr><td></td><td></td><td>REDUCER</td></tr><tr><td></td><td></td><td>THRUST BLOCK</td></tr><tr><td></td><td></td><td>WATER METER</td></tr><tr><td></td><td></td><td>FIRE HYDRANT</td></tr><tr><td></td><td></td><td>BUTTERFLY VALVE</td></tr><tr><td></td><td></td><td>GATE VALVE</td></tr><tr><td></td><td></td><td>AIR RELEASE VALVE</td></tr><tr><td></td><td></td><td>SPRINKLER HEAD</td></tr></table>				EXIST.	PROP.	DESCRIPTION			BLOW-OFF ASSEMBLY			CAP/PLUG			COUPLING			REDUCER			THRUST BLOCK			WATER METER			FIRE HYDRANT			BUTTERFLY VALVE			GATE VALVE			AIR RELEASE VALVE			SPRINKLER HEAD	SURFACE FEATURE /LANDSCAPE SYMBOLS <table><tr><th>EXIST.</th><th>PROP. /RELOCATE</th><th>DESCRIPTION</th></tr><tr><td></td><td></td><td>JUNCTION BOX (TYPE I, II, III)</td></tr><tr><td></td><td></td><td>MAILBOX</td></tr><tr><td></td><td></td><td>SCHOOL ZONE FLASHING LIGHT ASSEMBLY</td></tr><tr><td></td><td></td><td>SHRUB /HEDGE</td></tr><tr><td></td><td></td><td>STREET SIGN</td></tr><tr><td></td><td></td><td>STREET LIGHT ASSEMBLY</td></tr><tr><td></td><td></td><td>TRAFFIC SIGN POST</td></tr><tr><td></td><td></td><td>TRAFFIC BARRIER GUARDRAIL</td></tr><tr><td></td><td></td><td>TREE (CONIFEROUS)</td></tr><tr><td></td><td></td><td>TREE (DECIDUOUS)</td></tr></table>				EXIST.	PROP. /RELOCATE	DESCRIPTION			JUNCTION BOX (TYPE I, II, III)			MAILBOX			SCHOOL ZONE FLASHING LIGHT ASSEMBLY			SHRUB /HEDGE			STREET SIGN			STREET LIGHT ASSEMBLY			TRAFFIC SIGN POST			TRAFFIC BARRIER GUARDRAIL			TREE (CONIFEROUS)			TREE (DECIDUOUS)	CHANNELIZATION SYMBOLS <table><tr><th>EXISTING</th><th>PROPOSED</th><th>DESCRIPTION</th></tr><tr><td></td><td></td><td>LEFT TURN ARROW</td></tr><tr><td></td><td></td><td>RIGHT TURN ARROW</td></tr><tr><td></td><td></td><td>STRAIGHT ARROW</td></tr><tr><td></td><td></td><td>STRAIGHT/LEFT ARROW</td></tr><tr><td></td><td></td><td>STRAIGHT/RIGHT ARROW</td></tr><tr><td></td><td></td><td>ONLY</td></tr><tr><td></td><td></td><td>STOP</td></tr><tr><td></td><td></td><td>YIELD</td></tr></table>				EXISTING	PROPOSED	DESCRIPTION			LEFT TURN ARROW			RIGHT TURN ARROW			STRAIGHT ARROW			STRAIGHT/LEFT ARROW			STRAIGHT/RIGHT ARROW			ONLY			STOP			YIELD	EROSION CONTROL CONSTRUCTION ENTRANCE SILT FENCE INLET PROTECTION EROSION CONTROL GENERAL NOTES 1. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL ALL BMPs AS SHOWN ON THESE PLANS OR DETERMINED BY THE ENGINEER IN THE FIELD, TO MINIMIZE EROSION AND PREVENT SEDIMENT FROM ENTERING THE STORM SYSTEM. 2. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING SEDIMENT AND DEBRIS FROM ENTERING THE STORMWATER SYSTEM. IF THE BMPs SHOWN ON THE PLAN ARE FOUND TO BE INSUFFICIENT, THE CONTRACTOR SHALL INSTALL ADDITIONAL BMPs TO ELIMINATE CONSTRUCTION STORMWATER POLLUTION. 3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN THE EVENT THAT THE CONTRACTOR DISCOVERS CONDITIONS OR ACTIVITIES THAT WILL DIMINISH THE WATER QUALITY DOWNSTREAM.			
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				Project Start Date: XX/XX/23			Sheet 2																																																																																																								
				Drawing Scale: AS SHOWN			of 20																																																																																																								
				Electronic File Name: 302.0096																																																																																																											

SECTION 21,22; TOWNSHIP 19N; RANGE 2E

THE CONSTRUCTION ALIGNMENTS SHOWN BELOW ARE THE BASIS FOR THE PROPOSED CROWNLINE. IN NO CIRCUMSTANCE DOES THE CONSTRUCTION ALIGNMENT PARALLEL THE RIGHT-OF-WAY CENTERLINE.

ALIGNMENT CONTROL			
NAME	STATION	NORTHING	EASTING
UNION	200+00.00	657955.06	1128136.97

ALIGNMENT TANGENT DATA 210+00 LINE		
STATION	BEARING	DISTANCE
200+00.00	N50°43'19"E	1125.24'
211+25.24	N50°43'23"E	2250.23'
233+75.47	N50°44'25"E	808.31'

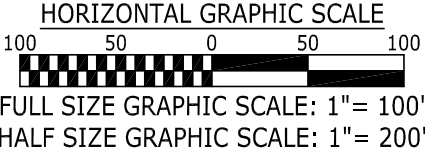
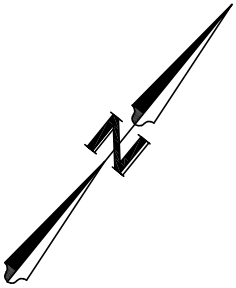
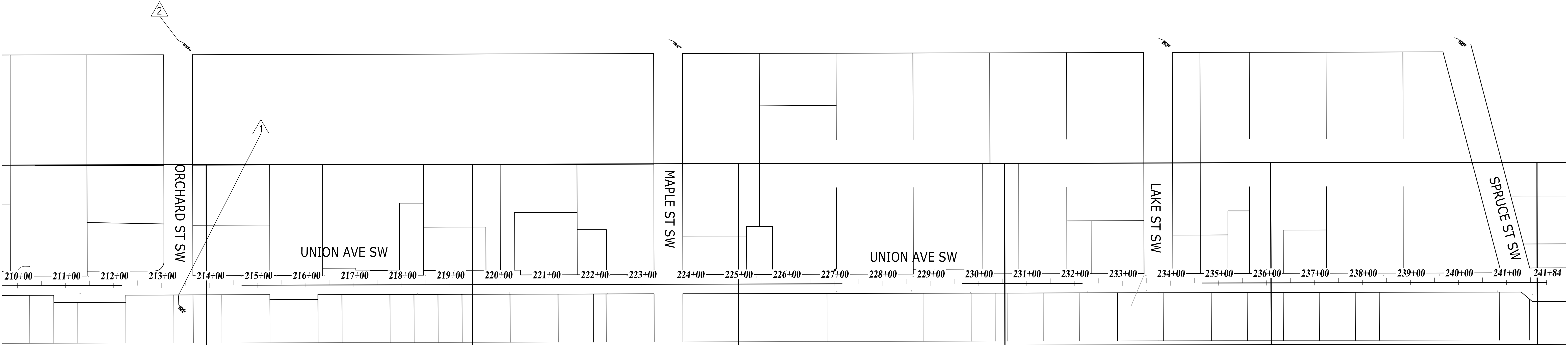
SURVEY CONTROL
BASIS OF BEARING

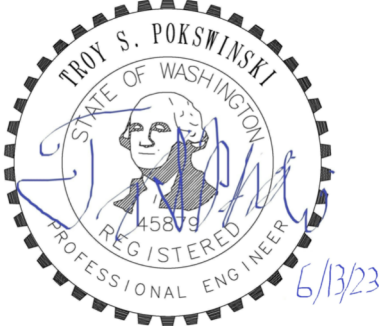
NAD 1983
WASHINGTON STATE PLANE SOUTH PROJECTION, BASED ON GPS
OBSERVATIONS USING WSRN AND GEOID 2012A. UNITS OF MEASUREMENT
ARE US SURVEY FEET.

VERTICAL DATUM

NAVD 1988 VERTICAL DATUM ON ORTHOMETRICALLY CORRECTED GPS
OBSERVATIONS USING WSRN AND GEOID 2012A.

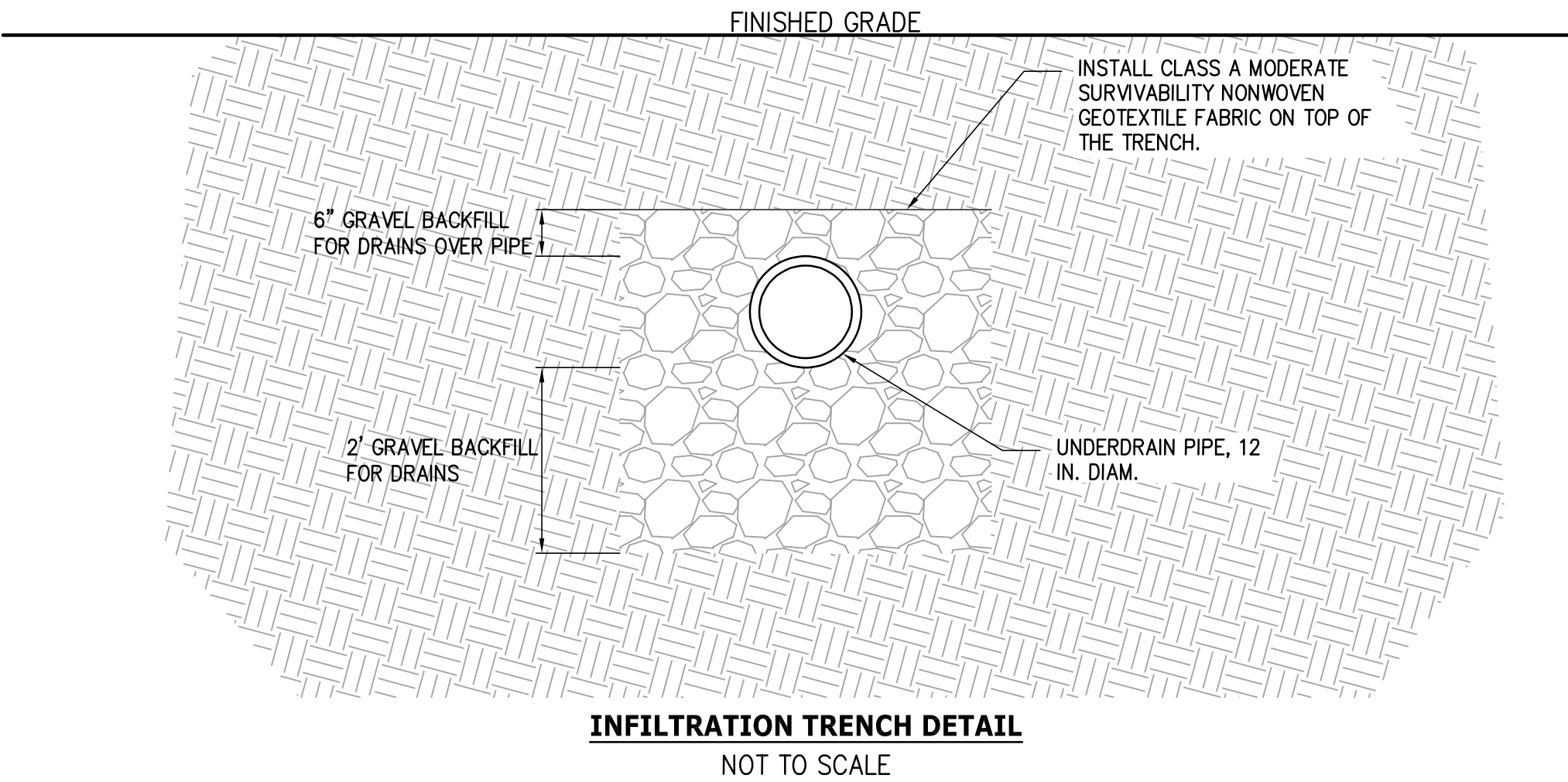
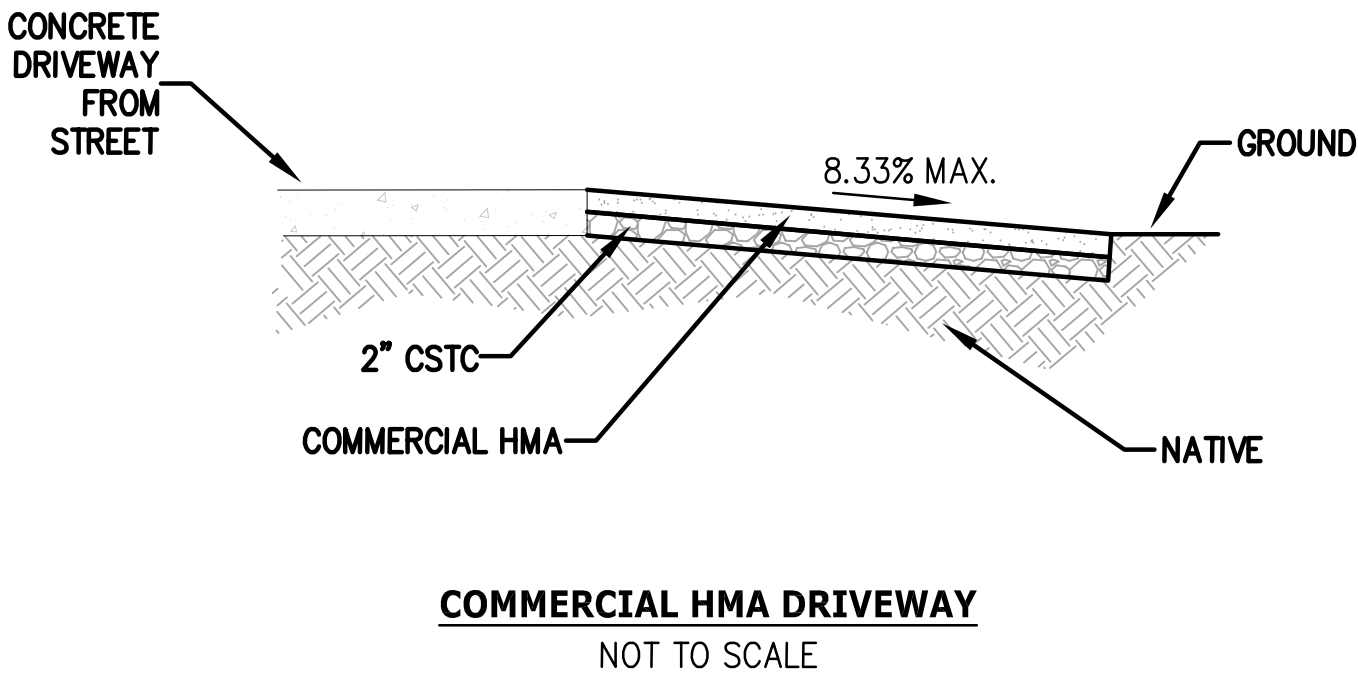
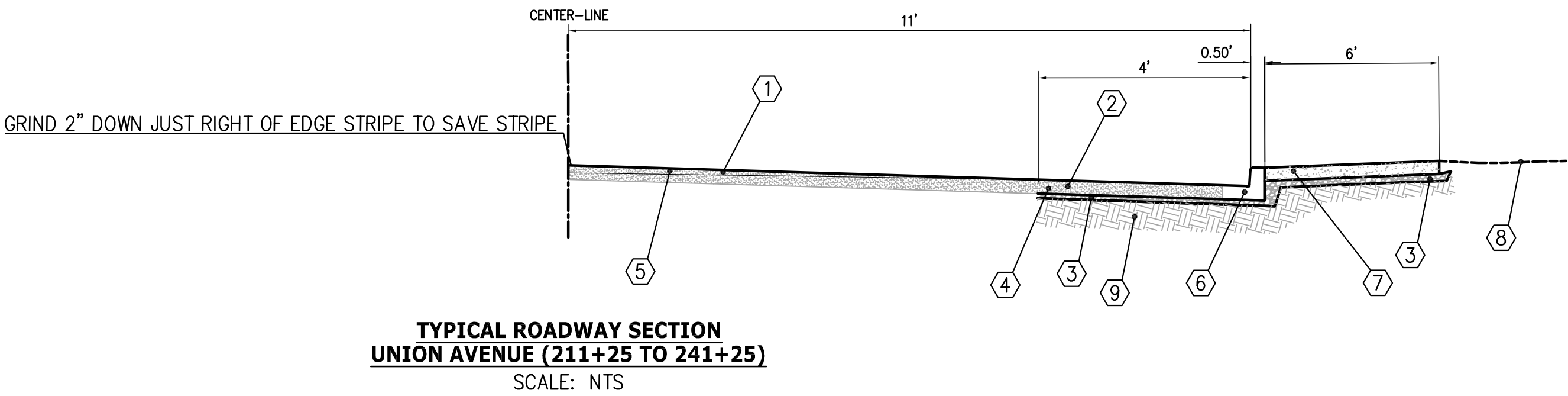
SURVEY CONTROL				
PNT NO.	NORTHING	EASTING	ELEV.	DESC.
1	658784.62	1129182.91	N/A	MON IN CASE
2	659195.20	1128847.65	275.33	BRASS CAP



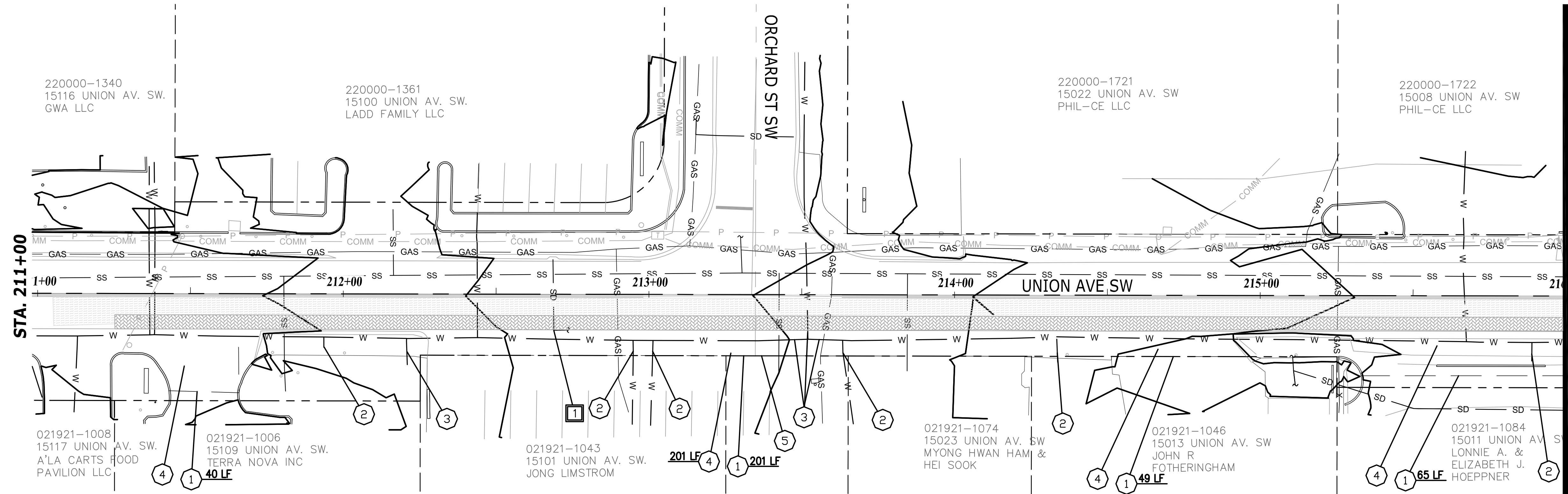
No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI		Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA		Drawing Name:	Drawing No. AL
				Checked By: C. T. HILL		ALIGNMENT PLAN	Sheet 3 of 20
				Approved By: P. BUCICH			
				Project Start Date: XX/XX/23			
				Drawing Scale: AS SHOWN			
				Electronic File Name: 302.0096			

SECTION NOTES:

- ① REVERSE EDGE GRIND (2" ON ϕ , 0 7'RT)
- ② REMOVE EXIST HMA/WEDGE CURB 7'RT TO 12'RT
- ③ 2" CRUSHED SURFACING TOP COURSE
- ④ 4" HMA CLASS $\frac{1}{2}$ " PG 58H –22 BASE LIFT
- ⑤ 2" HMA CLASS $\frac{1}{2}$ " PG 58H –22 OVERLAY – 9.5'WIDE
- ⑥ CEMENT CONCRETE CURB AND GUTTER
- ⑦ CEMENT CONCRETE SIDEWALK
- ⑧ PROPERTY RESTORATION; MATCH EXISTING
- ⑨ COMPACTED SUBGRADE



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI	CITY OF LAKEWOOD, WA 1996 THOMAS S. POKSWINSKI STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 6/13/23	Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA		Drawing Name: ROADWAY SECTIONS	Drawing No. RS
				Checked By: C. T. HILL			
				Approved By: P. BUCICH			
				Project Start Date: XX/XX/23			Sheet 4
				Drawing Scale: AS SHOWN			of 20
				Electronic File Name: 302.0096			



EROSION AND SEDIMENT CONTROL NOTES:

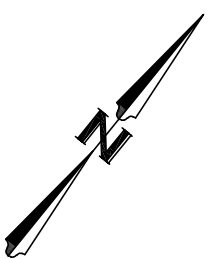
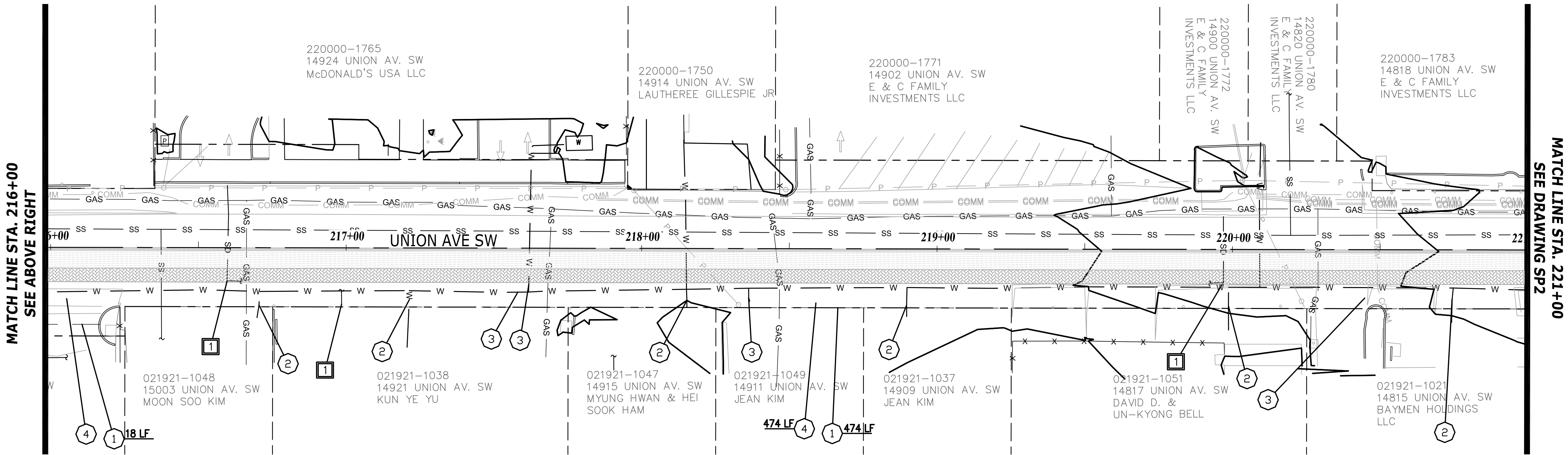
1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

- REVERSE EDGE GRIND. SET JUST RIGHT OF EXISTING STRIPE TO PRESERVE THE EXISTING MARKING. GRIND 2" DEPTH ON THAT LINE. DAYLIGHT TO 0" GRIND 7"RT.
- REMOVE 4" DEPTH HMA 7"RT THROUGH WEDGE CURB 11-12"RT

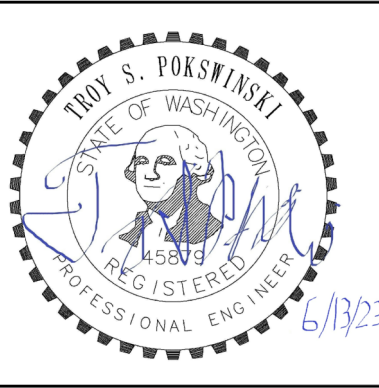
SITE PREPARATION NOTES

1. SAWCUT LINE
2. LAKEWOOD WATER DISTRICT TO ADJUST EXISTING WATER METER BOX. CONTRACTOR TO COORD. WITH THE DISTRICT TO SET BOX AT GRADE.
3. LOWER EXISTING SEWER MANHOLE, WATER VALVE, OR GAS VALVE PRIOR TO PAVING
4. REMOVE ASPHALT OR CONCRETE DRIVEWAY APRON
5. PROTECT EXISTING MONUMENT.

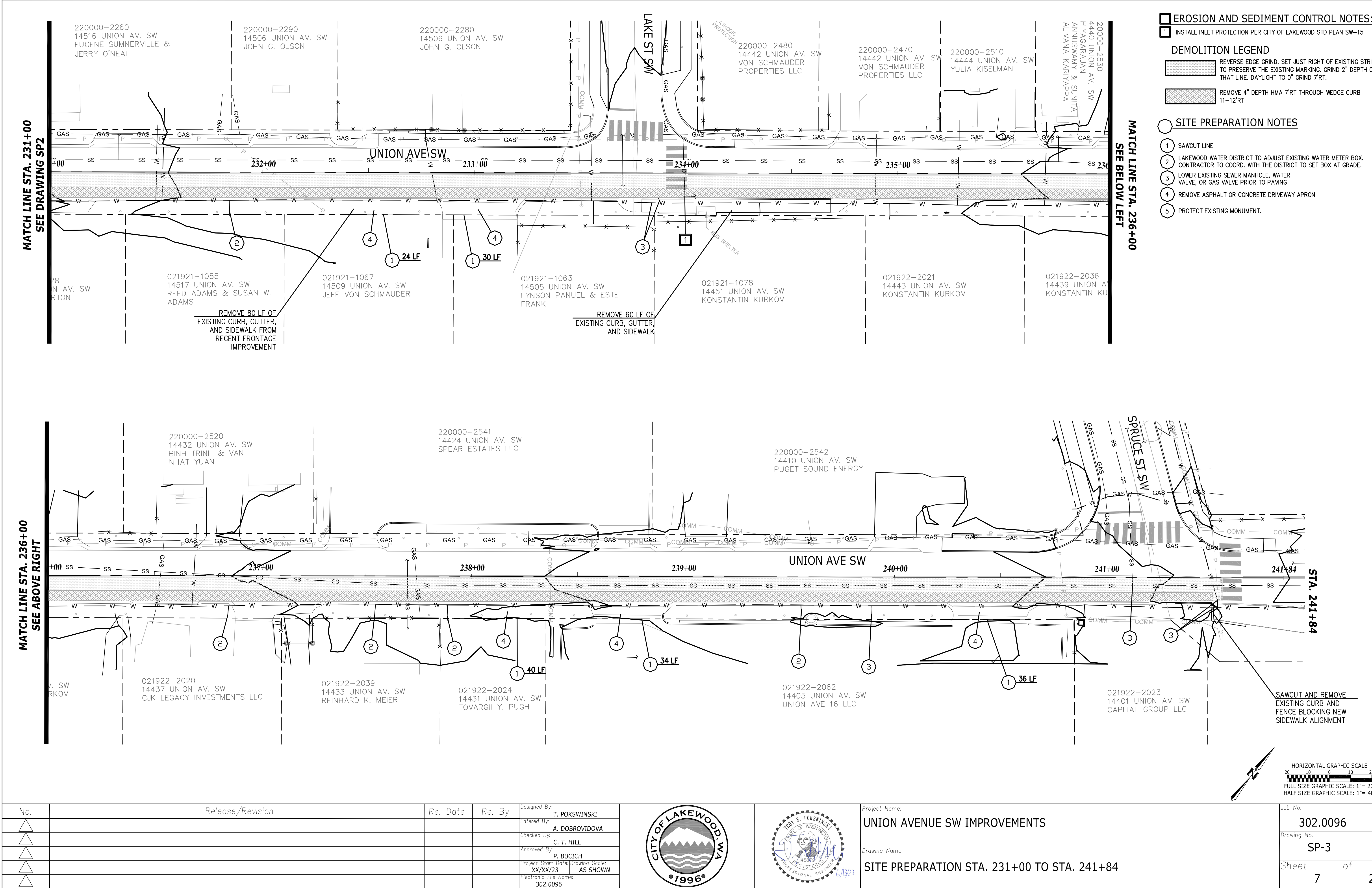


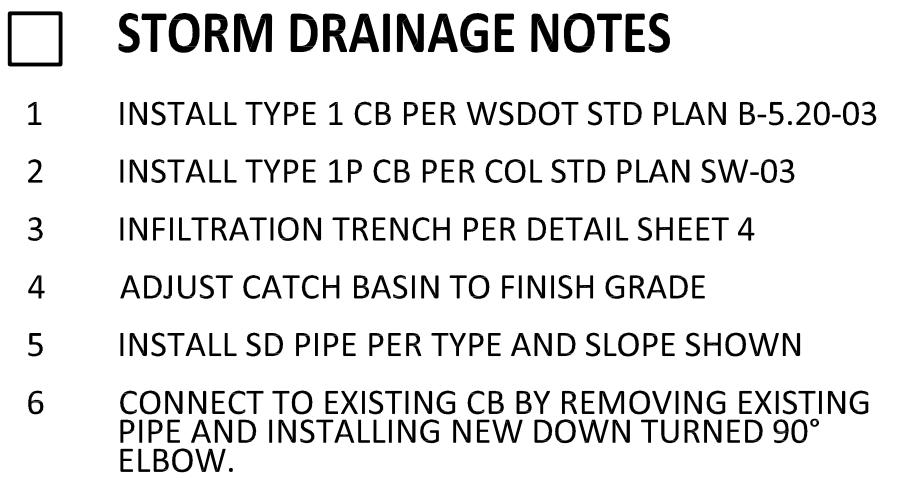
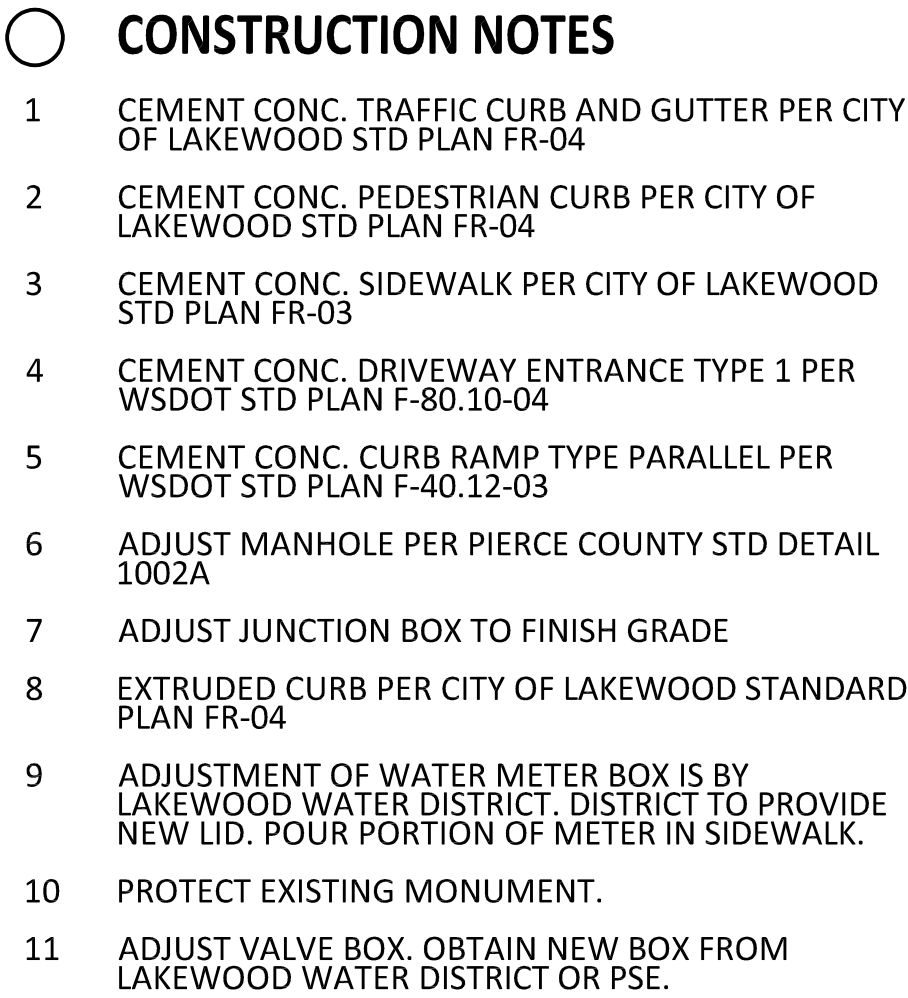
HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By	Designed By:	Project Name:	Job No.
△				T. POKSWINSKI	UNION AVENUE SW IMPROVEMENTS	302.0096
△				Entered By: A. DOBROVIDOVA		Drawing No. SP-1
△				Checked By: C. T. HILL		Sheet 5 of 20
△				Approved By: P. BUCICH		
△				Project Start Date: XX/XX/23 Drawing Scale: AS SHOWN	SITE PREPARATION STA. 211+00 TO STA. 221+00	
△				Electronic File Name: 302.0096		



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name:	Job No.
				Entered By: A. DOBROVIDOVA			UNION AVENUE SW IMPROVEMENTS	302.0096
				Checked By: C. T. HILL				Drawing No.
				Approved By: P. BUCICH				SP-2
				Project Start Date: XX/XX/23			Drawing Name:	SITE PREPARATION STA. 221+00 TO STA. 231+00
				Drawing Scale: AS SHOWN				Sheet 6 of 20
				Electronic File Name: 302.0096				

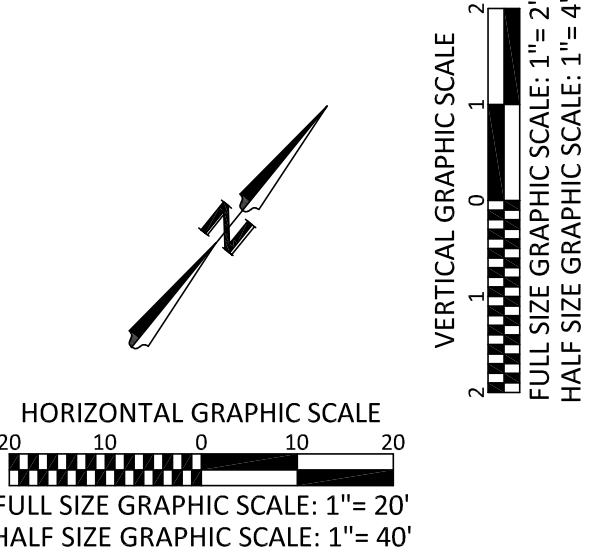




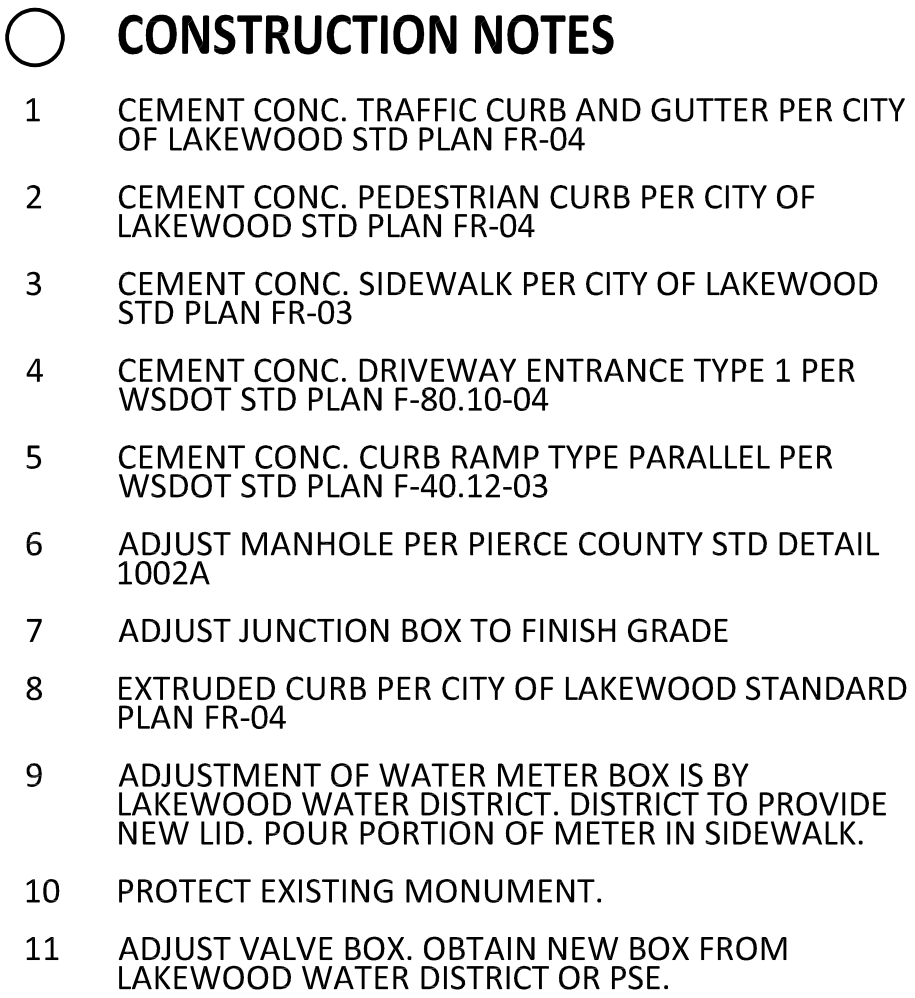
1 ALIGNMENT AND STATIONING PER SURVEYED
MONUMENTS, SEE SHEET 3

2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
UNION	211+54	11.5'RT	24'	14.0'
UNION	212+41	11.5'RT	24'	2.5'
UNION	213+42	11.5'RT	24'	2.5'
UNION	213+87	11.5'RT	30'	2.5'
UNION	214+65	11.5'RT	24'	2.5'
UNION	215+45	11.5'RT	24'	8.5'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				

[illegible]

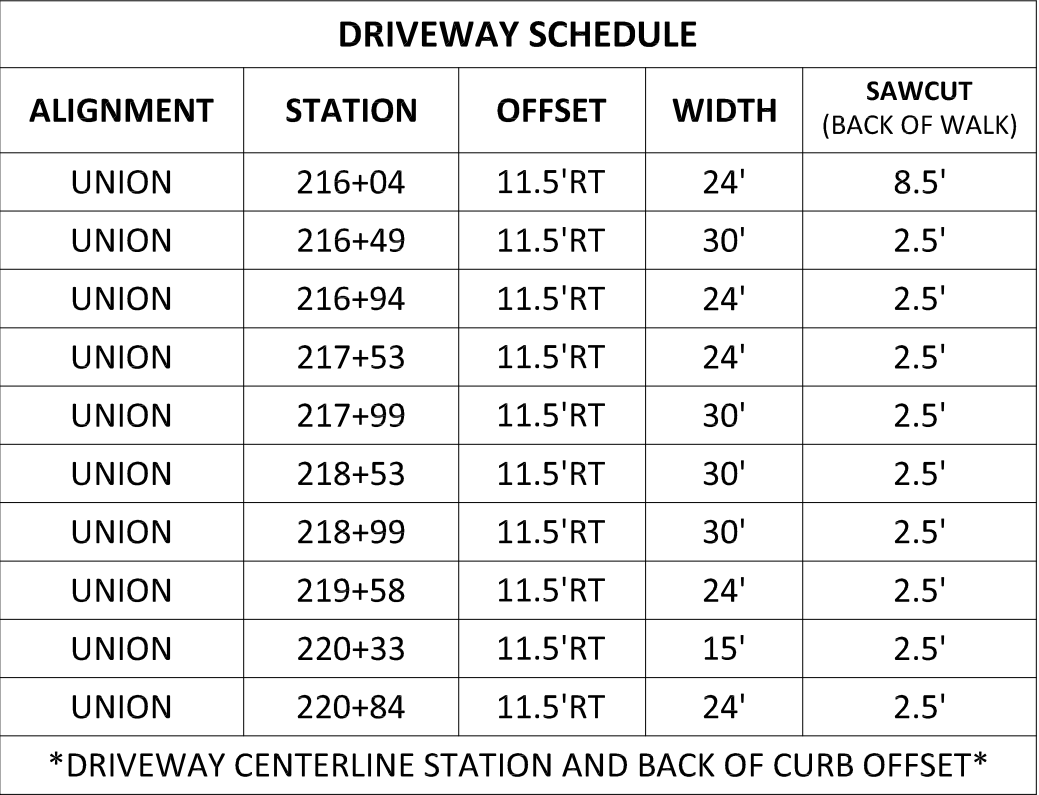
No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name:	UNION AVENUE SW IMPROVEMENTS	Job No.	302.0096
				Entered By: A. DOBROVIDOVA			Drawing No.		PP1	
				Checked By: C. T. HILL			Drawing Name: PLAN AND PROFILE STA. 211+00 TO STA. 216+00			
				Approved By: P. BUCICH						
				Project Start Date: XX/XX/23				Drawing Scale: AS SHOWN		
				Electronic File Name: 302.0096						
								Sheet 8 of 20		



- 1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5-20-03
- 2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
- 3 INFILTRATION TRENCH PER DETAIL SHEET 4
- 4 ADJUST CATCH BASIN TO FINISH GRADE
- 5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
- 6 CONNECT TO EXISTING CB BY REMOVING EXISTING
PIPE AND INSTALLING NEW DOWN TURNED 90°
ELBOW.

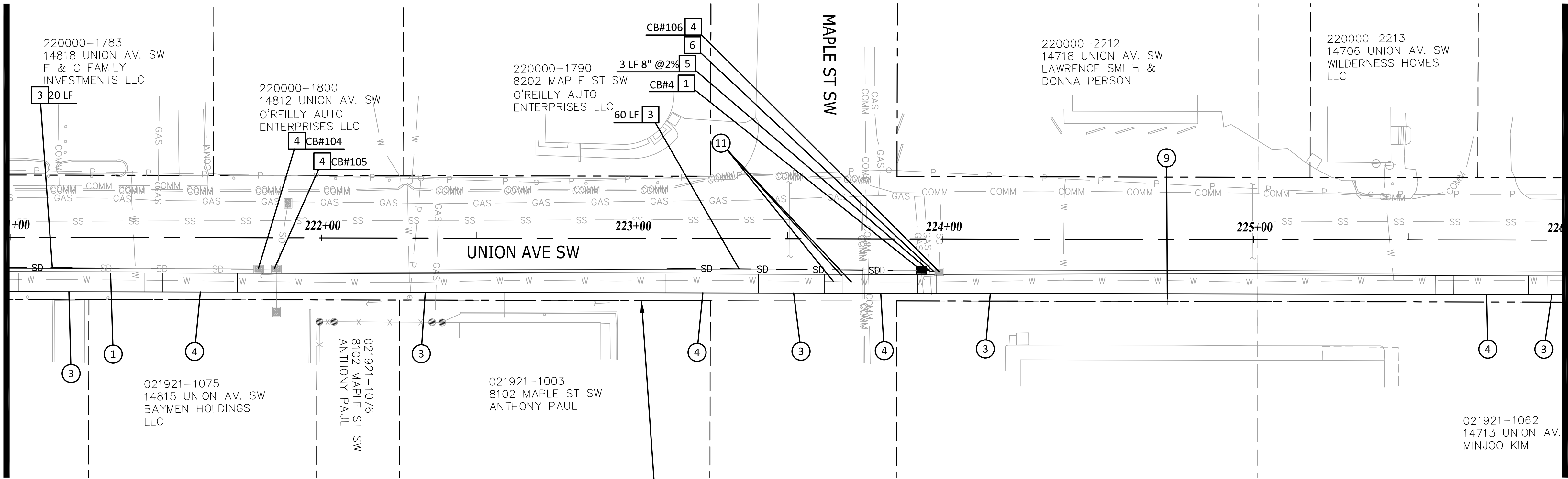
1 ALIGNMENT AND STATIONING PER SURVEYED
MONUMENTS, SEE SHEET 3

2 CURB ELEVATIONS ARE TO TOP BACK OF CURB



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name:	Job No.	
				Entered By: A. DOBROVIDOVA			UNION AVENUE SW IMPROVEMENTS	302.0096	
				Checked By: C. T. HILL				Drawing No.	
				Approved By: P. BUCICH			Drawing Name:	PP2	
				Project Start Date: XX/XX/23			Drawing Scale: AS SHOWN	PLAN AND PROFILE STA. 216+00 TO STA. 221+00	Sheet 9 of 20
				Electronic File Name: 302.0096					

MATCH LINE STA. 221+00
SEE DRAWING PP2



MATCH LINE STA. 226+00
SEE DRAWING PP4

CONSTRUCTION NOTES

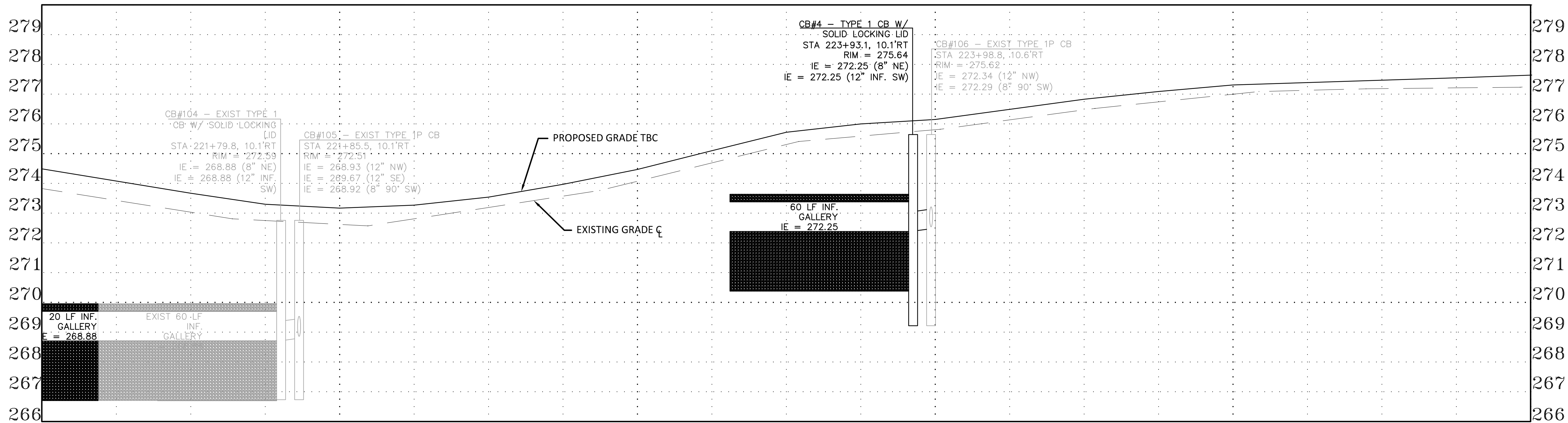
- 1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
- 2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
- 3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
- 4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
- 5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
- 6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
- 7 ADJUST JUNCTION BOX TO FINISH GRADE
- 8 EXTRUDED CURB PER CITY OF LAKEWOOD STANDARD PLAN FR-04
- 9 ADJUSTMENT OF WATER METER BOX IS BY LAKEWOOD WATER DISTRICT. DISTRICT TO PROVIDE NEW LID. POUR PORTION OF METER IN SIDEWALK.
- 10 PROTECT EXISTING MONUMENT.
- 11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE.

STORM DRAINAGE NOTES

- 1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
- 2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
- 3 INFILTRATION TRENCH PER DETAIL SHEET 4
- 4 ADJUST CATCH BASIN TO FINISH GRADE
- 5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
- 6 CONNECT TO EXISTING CB BY REMOVING EXISTING PIPE AND INSTALLING NEW DOWN TURNED 90° ELBOW.

GENERAL NOTES

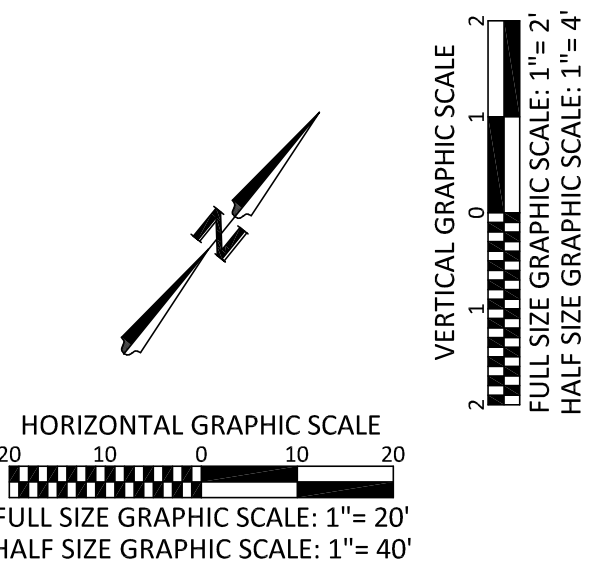
- 1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEET 3
- 2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

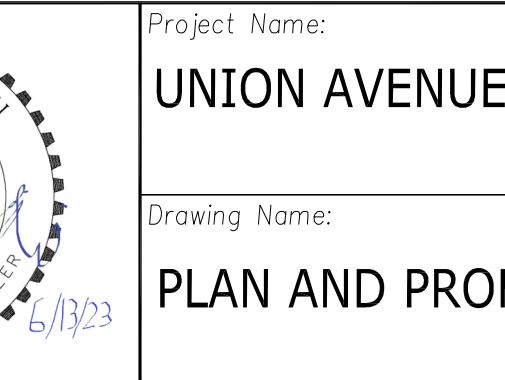
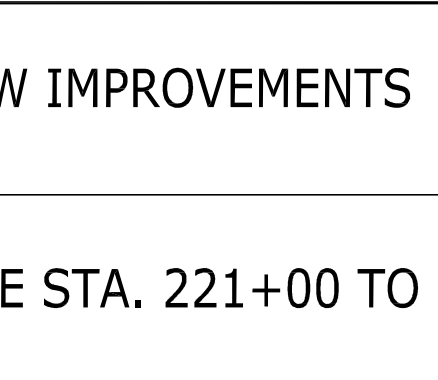


DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
UNION	221+61	11.5'RT	24'	2.5'
UNION	223+28	11.5'RT	24'	2.5'
UNION	223+80	11.5'RT	24'	2.5'
UNION	225+76	11.5'RT	24'	2.5'

DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET

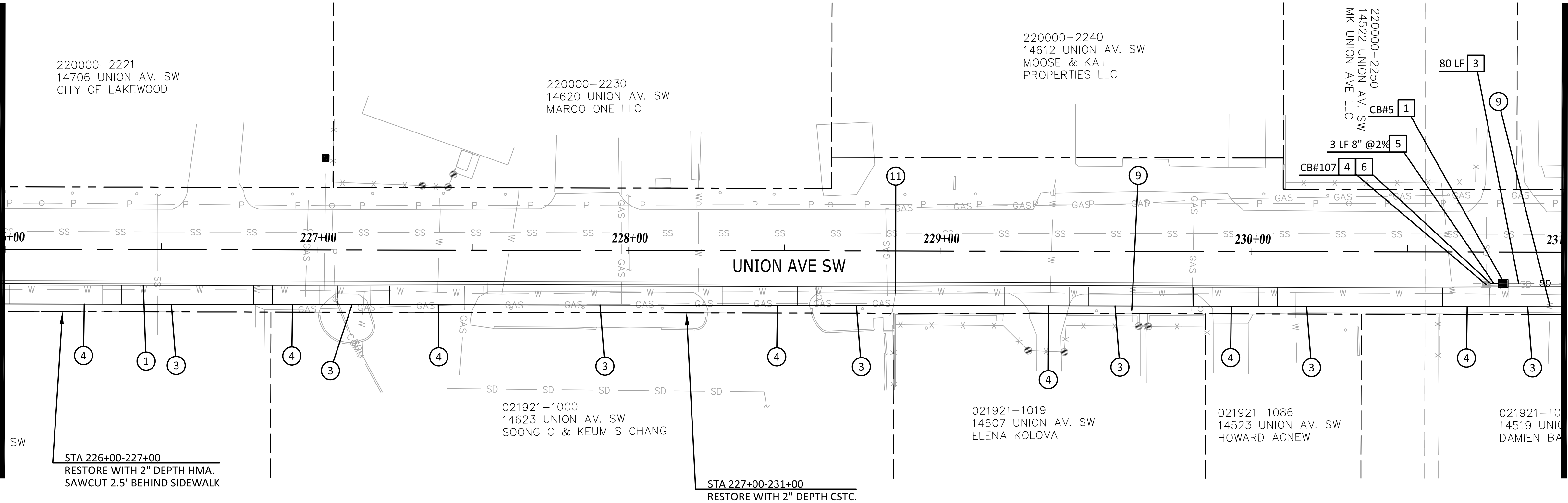
LTBC N/A EGCL 273.83' RTBC 274.49'	LTBC N/A EGCL 273.43' RTBC 274.08'	LTBC N/A EGCL 273.03' RTBC 273.67'	LTBC N/A EGCL 272.75' RTBC 273.30'	LTBC N/A EGCL 272.62' RTBC 273.17'	LTBC N/A EGCL 272.81' RTBC 273.27'	LTBC N/A EGCL 273.19' RTBC 273.54'	LTBC N/A EGCL 273.57' RTBC 273.97'	LTBC N/A EGCL 274.07' RTBC 274.47'	LTBC N/A EGCL 274.69' RTBC 275.10'	LTBC N/A EGCL 275.31' RTBC 275.72'	LTBC N/A EGCL 275.59' RTBC 276.00'	LTBC N/A EGCL 275.81' RTBC 276.15'	LTBC N/A EGCL 276.13' RTBC 276.49'	LTBC N/A EGCL 276.47' RTBC 276.83'	LTBC N/A EGCL 276.74' RTBC 277.09'	LTBC N/A EGCL 277.00' RTBC 277.31'	LTBC N/A EGCL 277.13' RTBC 277.39'	LTBC N/A EGCL 277.19' RTBC 277.47'	LTBC N/A EGCL 277.21' RTBC 277.55'	LTBC N/A EGCL 277.26' RTBC 277.64'
221+00	221+25	221+50	221+75	222+00	222+25	222+50	222+75	223+00	223+25	223+50	223+75	224+00	224+25	224+50	224+75	225+00	225+25	225+50	225+75	226+00



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA			Drawing No. PP3	
				Checked By: C. T. HILL			Sheet 10 of 20	
				Approved By: P. BUCICH				
				Project Start Date: XX/XX/23 Drawing Scale: AS SHOWN Electronic File Name: 302.0096				

MATCH LINE STA. 226+00
SEE DRAWING PP3

MATCH LINE STA. 231+00
SEE DRAWING PPS



CONSTRUCTION NOTES

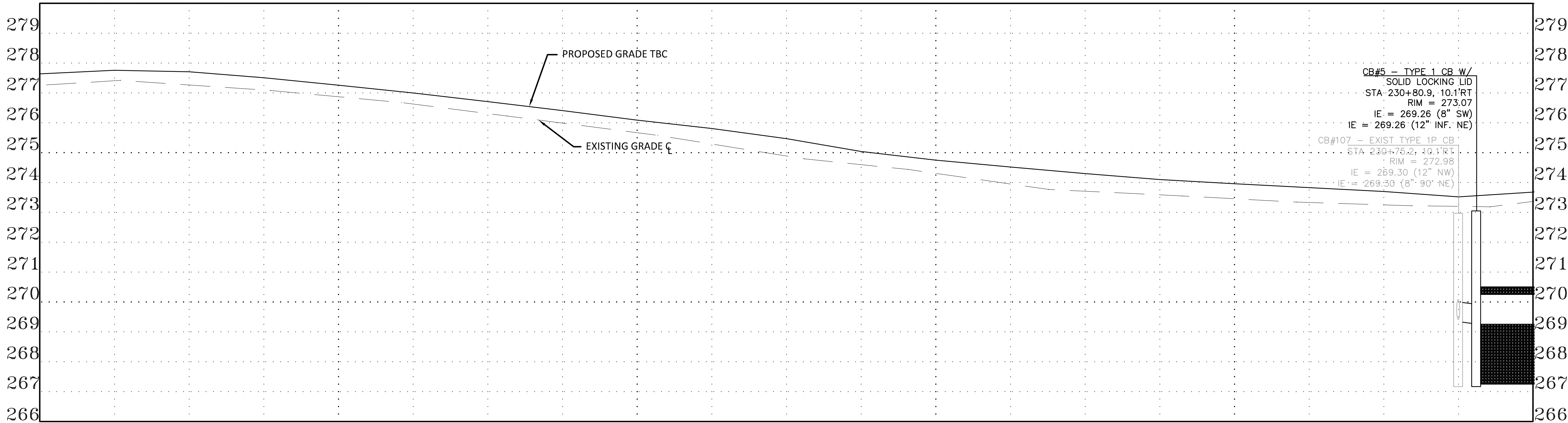
- CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
- CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
- CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
- CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
- CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
- ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
- ADJUST JUNCTION BOX TO FINISH GRADE
- EXTRUDED CURB PER CITY OF LAKEWOOD STANDARD PLAN FR-04
- ADJUSTMENT OF WATER METER BOX IS BY LAKEWOOD WATER DISTRICT. DISTRICT TO PROVIDE NEW LID. POUR PORTION OF METER IN SIDEWALK.
- PROTECT EXISTING MONUMENT.
- ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE.

STORM DRAINAGE NOTES

- INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
- INSTALL TYPE 1P CB PER COL STD PLAN SW-03
- INFILTRATION TRENCH PER DETAIL SHEET 4
- ADJUST CATCH BASIN TO FINISH GRADE
- INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
- CONNECT TO EXISTING CB BY REMOVING EXISTING PIPE AND INSTALLING NEW DOWN TURNED 90° ELBOW.

GENERAL NOTES

- ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEET 3
- CURB ELEVATIONS ARE TO TOP BACK OF CURB



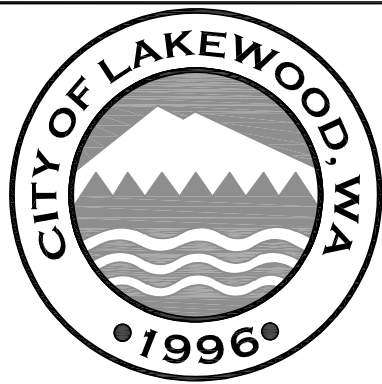
DRIVEWAY SCHEDULE

ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
UNION	226+19	11.5'RT	24'	2.5'
UNION	226+93	11.5'RT	15'	2.5'
UNION	227+35	11.5'RT	24'	2.5'
UNION	228+42	11.5'RT	24'	2.5'
UNION	229+34	11.5'RT	15'	2.5'
UNION	229+94	11.5'RT	15'	2.5'
UNION	230+69	11.5'RT	15'	2.5'

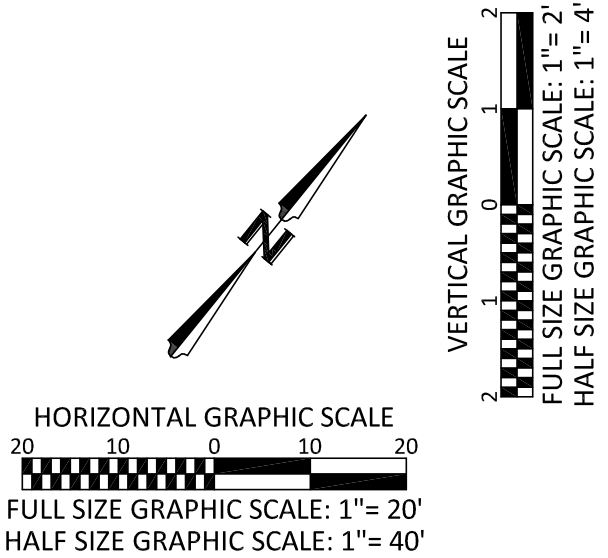
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET

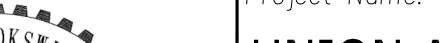
LTBC N/A EGCL 277.26' RTBC 277.64'	LTBC N/A EGCL 277.41' RTBC 277.76'	LTBC N/A EGCL 277.27' RTBC 277.71'	LTBC N/A EGCL 277.10' RTBC 277.51'	LTBC N/A EGCL 276.87' RTBC 277.26'	LTBC N/A EGCL 276.63' RTBC 277.00'	LTBC N/A EGCL 276.31' RTBC 276.71'	LTBC N/A EGCL 275.99' RTBC 276.41'	LTBC N/A EGCL 275.67' RTBC 276.09'	LTBC N/A EGCL 275.29' RTBC 275.81'	LTBC N/A EGCL 274.89' RTBC 275.47'	LTBC N/A EGCL 274.60' RTBC 275.04'	LTBC N/A EGCL 274.31' RTBC 274.75'	LTBC N/A EGCL 273.95' RTBC 274.52'	LTBC N/A EGCL 273.71' RTBC 274.30'	LTBC N/A EGCL 273.59' RTBC 274.10'	LTBC N/A EGCL 273.46' RTBC 273.96'	LTBC N/A EGCL 273.33' RTBC 273.83'	LTBC N/A EGCL 273.25' RTBC 273.70'	LTBC N/A EGCL 273.20' RTBC 273.52'	LTBC N/A EGCL 273.37' RTBC 273.68'
226+00	226+25	226+50	226+75	227+00	227+25	227+50	227+75	228+00	228+25	228+50	228+75	229+00	229+25	229+50	229+75	230+00	230+25	230+50	230+75	231+00

No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI
▲				Entered By: A. DOBROVIDOVA
▲				Checked By: C. T. HILL
▲				Approved By: P. BUCICH
▲				Project Start Date: Drawing Scale: XX/XX/23 AS SHOWN
▲				Electronic File Name: 302.0096

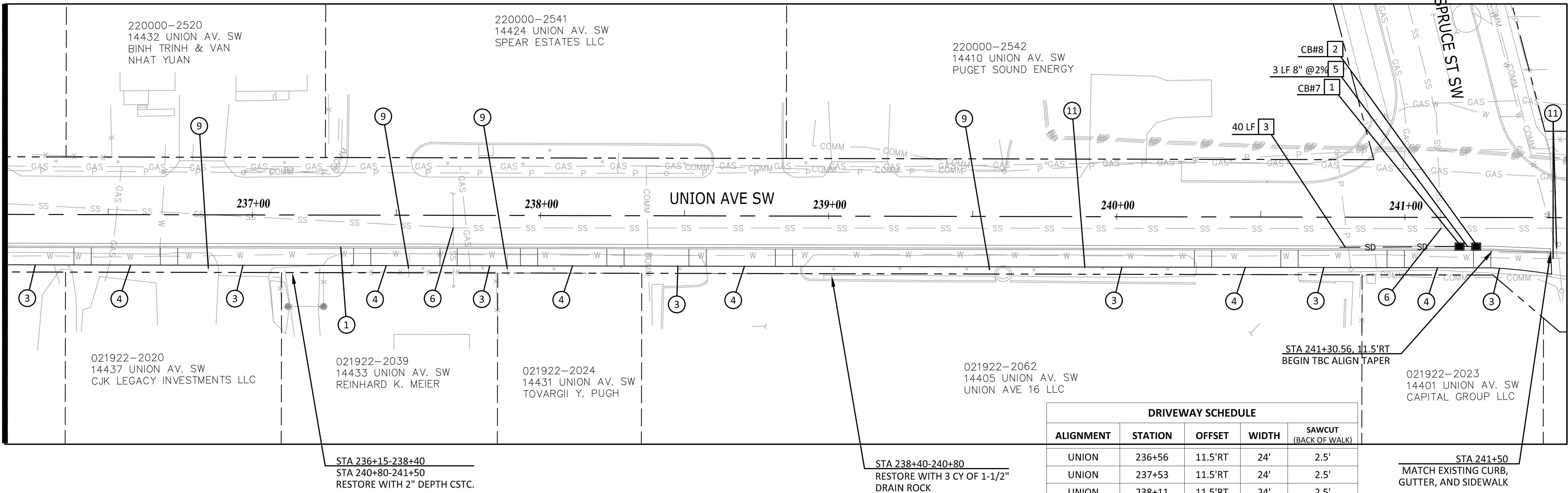


Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
Drawing Name: PLAN AND PROFILE STA. 226+00 TO STA. 231+00	Drawing No. PP4
	Sheet 11 of 20



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name:	Job No.
△				Entered By: A. DOBROVIDOVA			UNION AVENUE SW IMPROVEMENTS	302.0096
△				Checked By: C. T. HILL				Drawing No.
△				Approved By: P. BUCICH				PP5
△				Project Start Date: XX/XX/23			Drawing Name:	PLAN AND PROFILE STA. 231+00 TO STA. 236+15
△				Drawing Scale: AS SHOWN				
				Electronic File Name: 302.0096			Sheet 12 of 20	

MATCH LINE STA. 236+15
SEE DRAWING PP5



DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
UNION	236+56	11.5'RT	24'	2.5'
UNION	237+53	11.5'RT	24'	2.5'
UNION	238+11	11.5'RT	24'	2.5'
UNION	238+70	11.5'RT	24'	2.5'
UNION	240+45	11.5'RT	24'	2.5'
UNION	241+12	11.5'RT	24'	2.5'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				

CONSTRUCTION NOTES

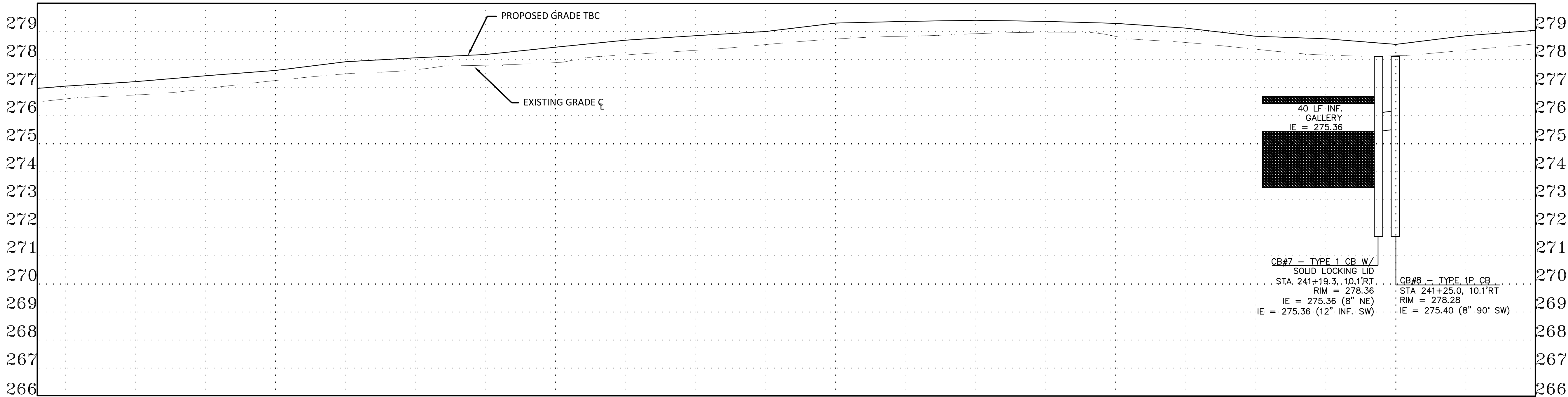
- CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
- CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
- CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
- CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
- CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
- ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
- ADJUST JUNCTION BOX TO FINISH GRADE
- EXTRUDED CURB PER CITY OF LAKEWOOD STANDARD PLAN FR-04
- ADJUSTMENT OF WATER METER BOX IS BY LAKEWOOD WATER DISTRICT. DISTRICT TO PROVIDE NEW LID. POUR PORTION OF METER IN SIDEWALK.
- PROTECT EXISTING MONUMENT.
- ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE.

STORM DRAINAGE NOTES

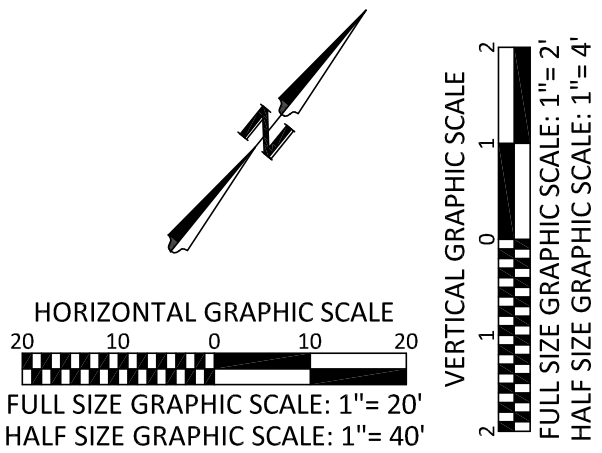
- INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
- INSTALL TYPE 1P CB PER COL STD PLAN SW-03
- INFILTRATION TRENCH PER DETAIL SHEET 4
- ADJUST CATCH BASIN TO FINISH GRADE
- INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
- CONNECT TO EXISTING CB BY REMOVING EXISTING PIPE AND INSTALLING NEW DOWN TURNED 90° ELBOW.

GENERAL NOTES

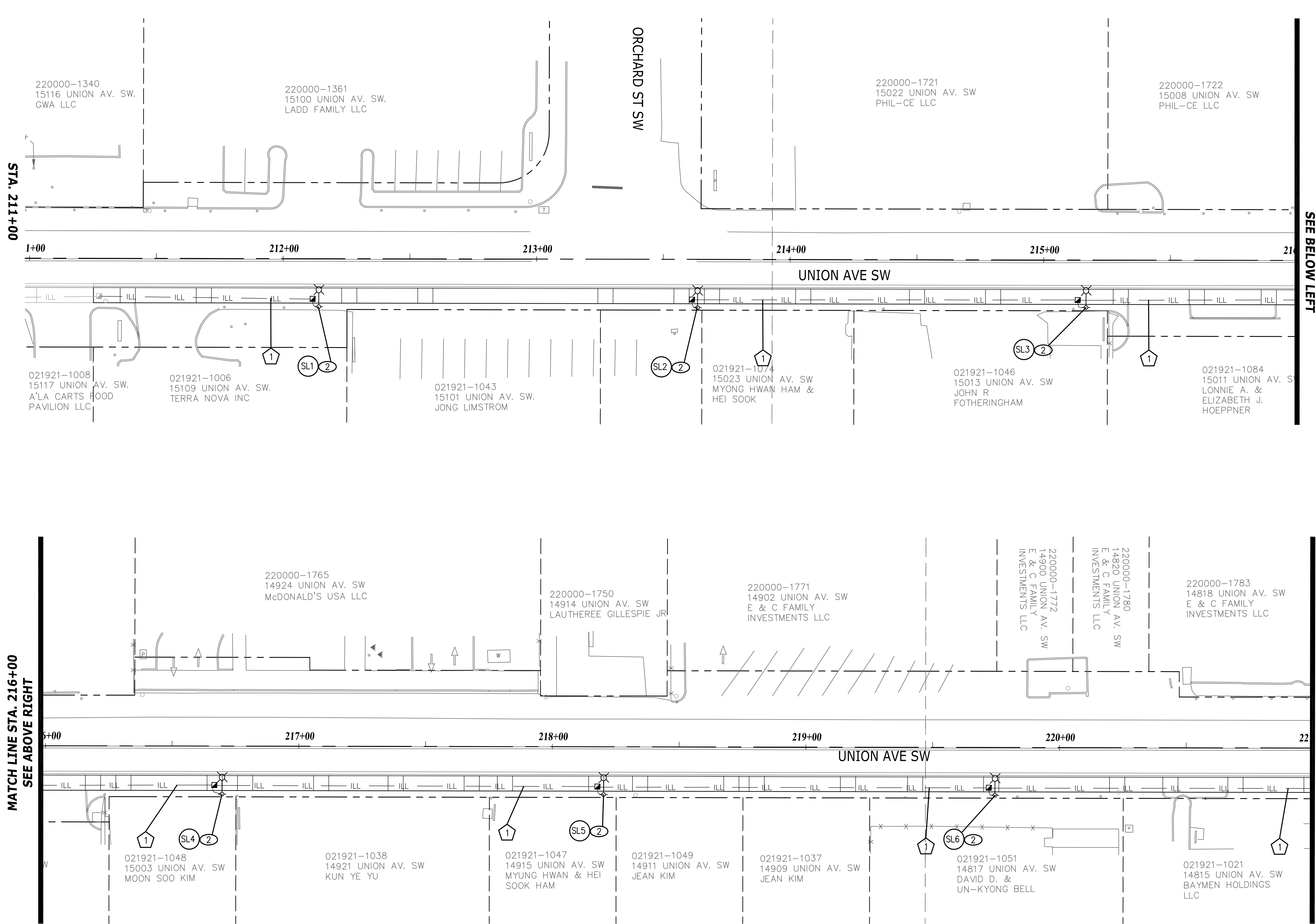
- ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEET 3
- CURB ELEVATIONS ARE TO TOP BACK OF CURB



LTBC N/A EGCL 276.60' RTBC 277.06'	LTBC N/A EGCL 276.74' RTBC 277.22'	LTBC N/A EGCL 276.96' RTBC 277.43'	LTBC N/A EGCL 277.26' RTBC 277.62'	LTBC N/A EGCL 277.50' RTBC 277.93'	LTBC N/A EGCL 277.64' RTBC 278.07'	LTBC N/A EGCL 277.80' RTBC 278.19'	LTBC N/A EGCL 277.90' RTBC 278.45'	LTBC N/A EGCL 278.18' RTBC 278.70'	LTBC N/A EGCL 278.34' RTBC 278.86'	LTBC N/A EGCL 278.54' RTBC 279.01'	LTBC N/A EGCL 278.74' RTBC 279.31'	LTBC N/A EGCL 278.84' RTBC 279.37'	LTBC N/A EGCL 278.93' RTBC 279.41'	LTBC N/A EGCL 278.98' RTBC 279.37'	LTBC N/A EGCL 278.83' RTBC 279.30'	LTBC N/A EGCL 278.62' RTBC 279.13'	LTBC N/A EGCL 278.38' RTBC 278.84'	LTBC N/A EGCL 278.17' RTBC 278.75'	LTBC N/A EGCL 278.14' RTBC 278.55'	LTBC N/A EGCL 278.34' RTBC 278.86'	LTBC N/A EGCL 278.57' RTBC 279.05'
236+25	236+50	236+75	237+00	237+25	237+50	237+75	238+00	238+25	238+50	238+75	239+00	239+25	239+50	239+75	240+00	240+25	240+50	240+75	241+00	241+25	241+50



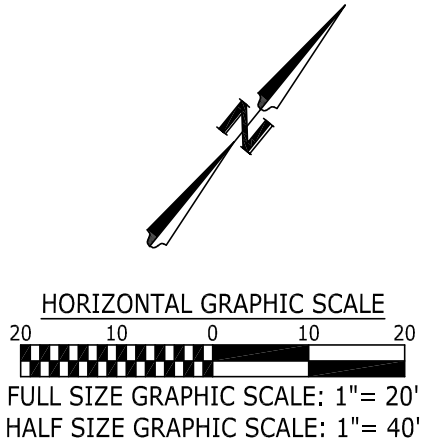
No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA			Drawing Name: PLAN AND PROFILE STA. 236+15 TO STA. 241+55	Drawing No. PP6
				Checked By: C. T. HILL				Sheet 13
				Approved By: P. BUCICH				of 20
				Project Start Date: XX/XX/23				
				Drawing Scale: AS SHOWN				
				Electronic File Name: 302.0096				



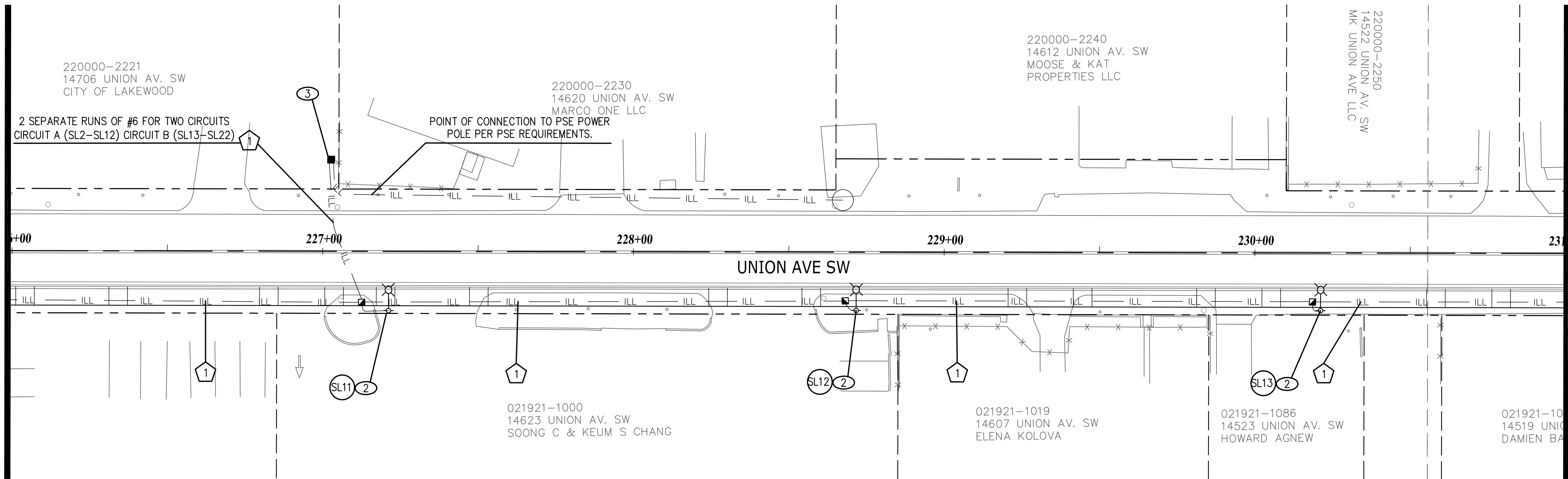
- CHANNELIZATION/ILLUMINATION NOTES**
- 1 PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
 - 2 LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
 - 3 INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07

LUMINAIRE SCHEDULE						
SL#	ALIGN	STATION	OFFSET	HEIGHT	MAST ARM	HEAD WATTAGE
1	UNION	212+15	18.75' RT	35'	8'	85
2	UNION	213+65	18.75' RT	35'	8'	85
3	UNION	215+15	18.75' RT	35'	8'	85
4	UNION	216+65	18.75' RT	35'	8'	85
5	UNION	218+18	18.75' RT	35'	8'	85
6	UNION	219+73	18.75' RT	35'	8'	85
ALL POLE FOUNDATIONS SHALL BE 2' IN DIAMETER, 4' DEEP.						

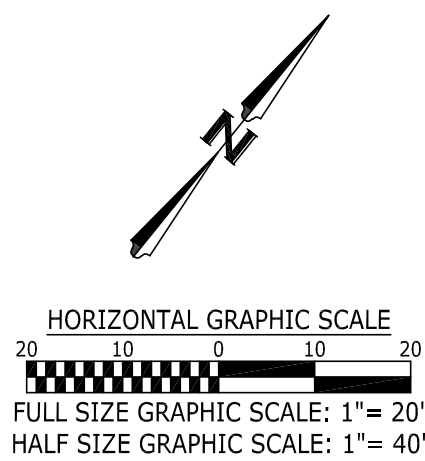
CONDUIT AND WIRING SCHEDULE			
NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) - 2"	ILLUMINATION	2 - #6, GRND
NOTES: 1. MINIMUM 2' COVER			



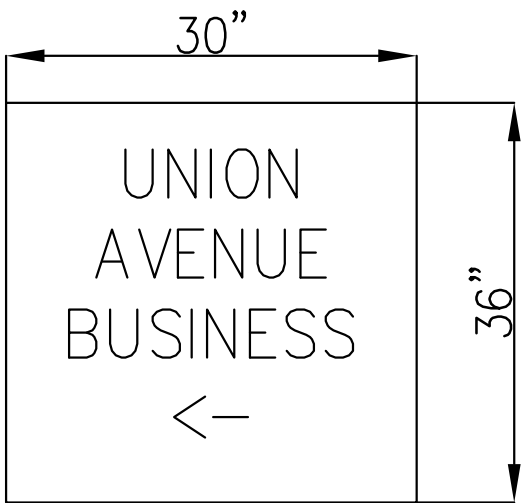
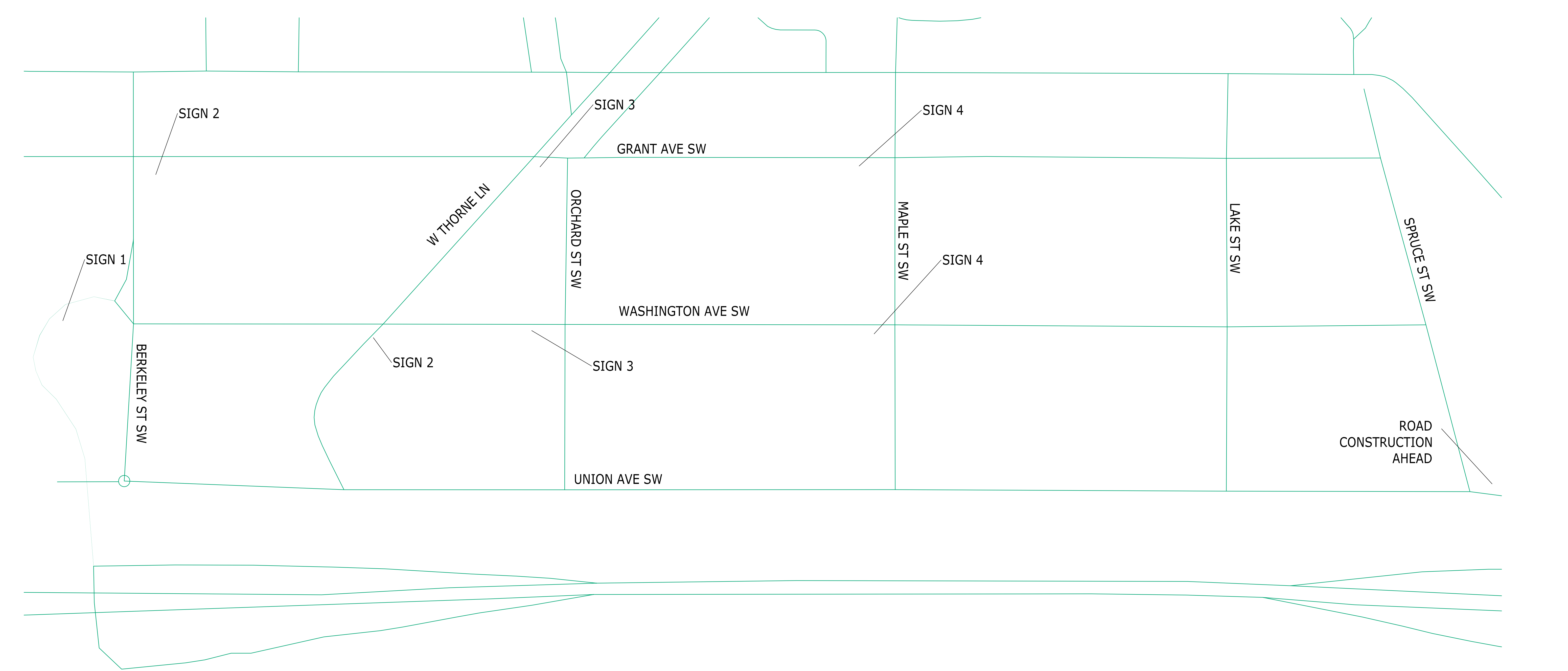
No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA			Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 211+00 TO STA. 221+00	Drawing No. IC1
				Checked By: C. T. HILL				Sheet 14 of 20
				Approved By: P. BUCICH				
				Project Start Date: XX/XX/23				
				Drawing Scale: AS SHOWN				
				Electronic File Name: 302.0096				



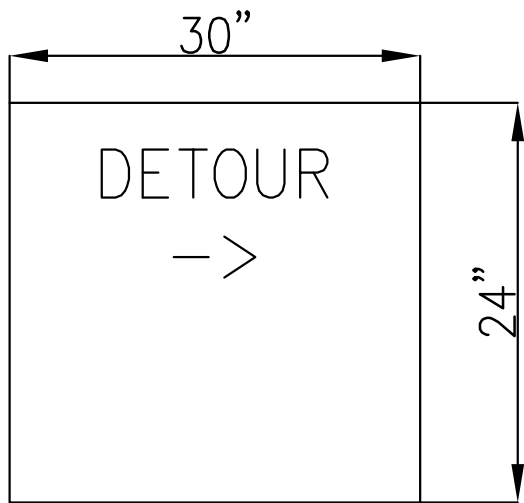
- NOTES: 1. MINIMUM 2' COVER



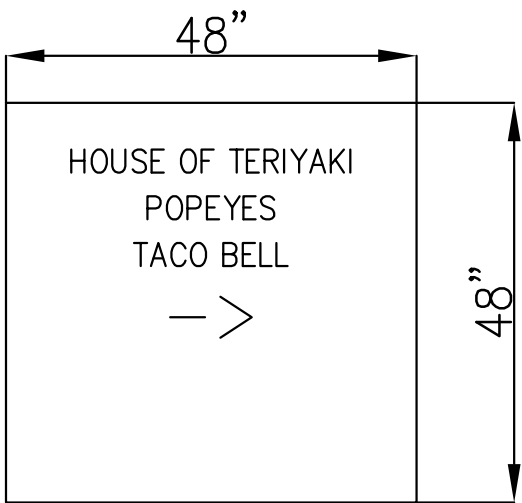
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△				T. POKSWINSKI			UNION AVENUE SW IMPROVEMENTS	302.0096
△				Entered By: A. DOBROVIDOVA				Drawing No.
△				Checked By: C. T. HILL				IC2
△				Approved By: P. BUCICH			Drawing Name:	Sheet of
△				Project Start Date: XX/XX/23 Drawing Scale: AS SHOWN			ILLUM./CHANNELIZATION PLAN - STA. 221+00 TO STA. 231+00	15 of 20
△				Electronic File Name: 302.0096				



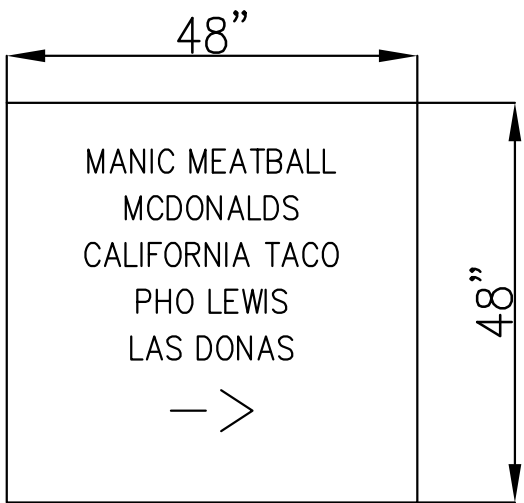
SIGN 1
THERE IS ONE OF THESE SIGNS



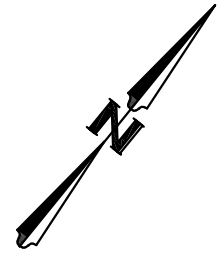
SIGN 2
THERE ARE TWO OF THESE SIGNS

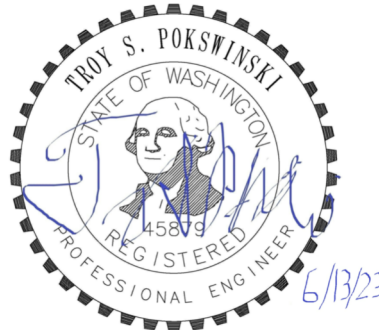


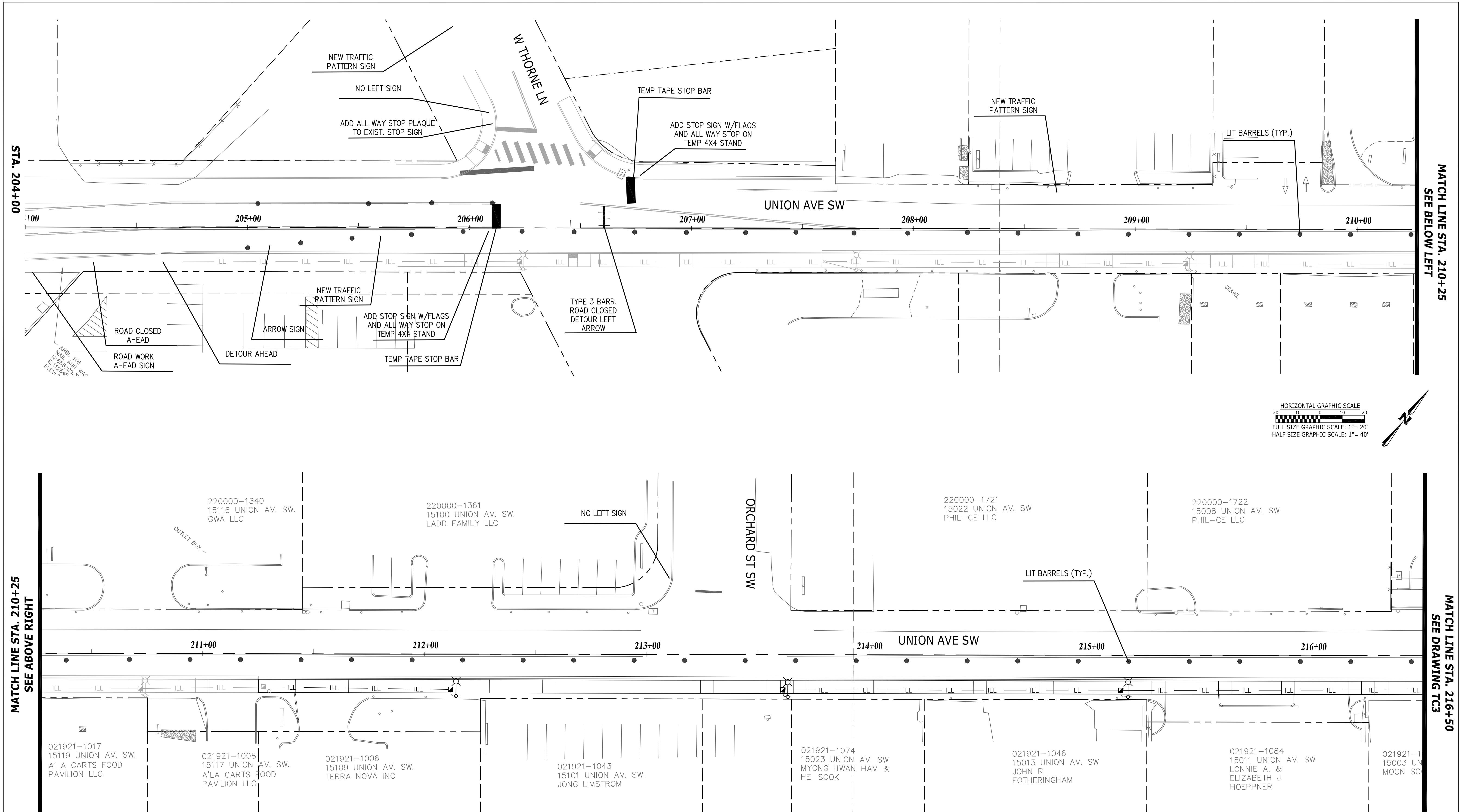
SIGN 3
THERE ARE TWO OF THESE SIGNS



SIGN 4
THERE ARE TWO OF THESE SIGNS

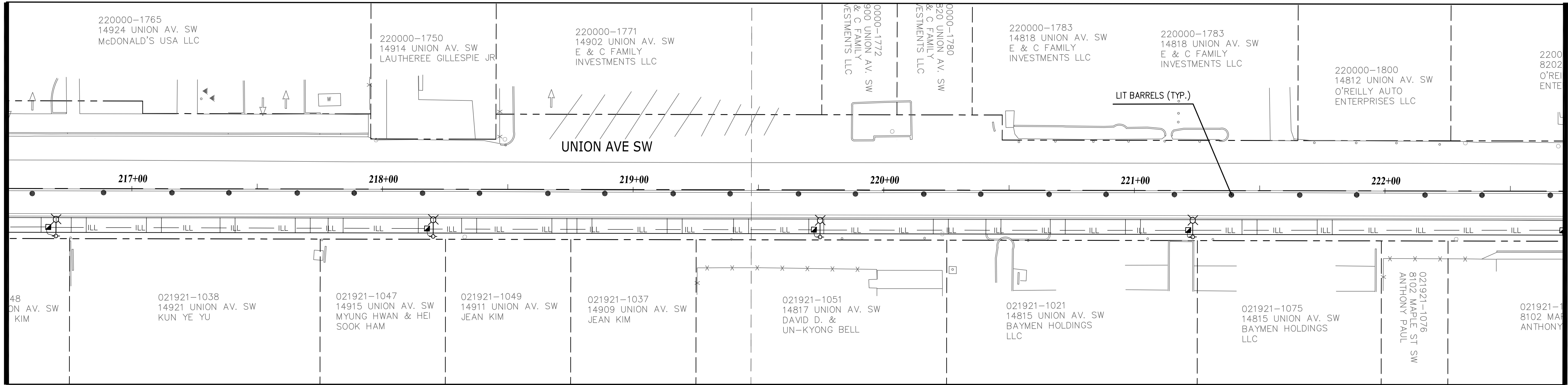


No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA				
				Checked By: C. T. HILL				Drawing No. TC1
				Approved By: P. BUCICH			Drawing Name:	Sheet of
				Project Start Date: XX/XX/23			TRAFFIC CONTROL PLAN - EXTERIOR SIGNAGE	17 of 20
				Drawing Scale: AS SHOWN				
				Electronic File Name: 302.0096				



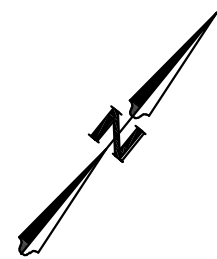
No.	Release/Revision	Re. Date	Re. By	Designed By:	Project Name:	Job No.
▲				T. POKSWINSKI	UNION AVENUE SW IMPROVEMENTS	302.0096
▲				Entered By: A. DOBROVIDOVA		Drawing No.
▲				Checked By: C. T. HILL		TC2
▲				Approved By: P. BUCICH	Drawing Name:	Sheet of
▲				Project Start Date: XX/XX/23 Drawing Scale: AS SHOWN	TRAFFIC CONTROL PLAN - STA. 204+00 TO STA. 216+50	18 of 20
▲				Electronic File Name: 302.0096		

MATCH LINE STA. 216+50
SEE DRAWING TC2

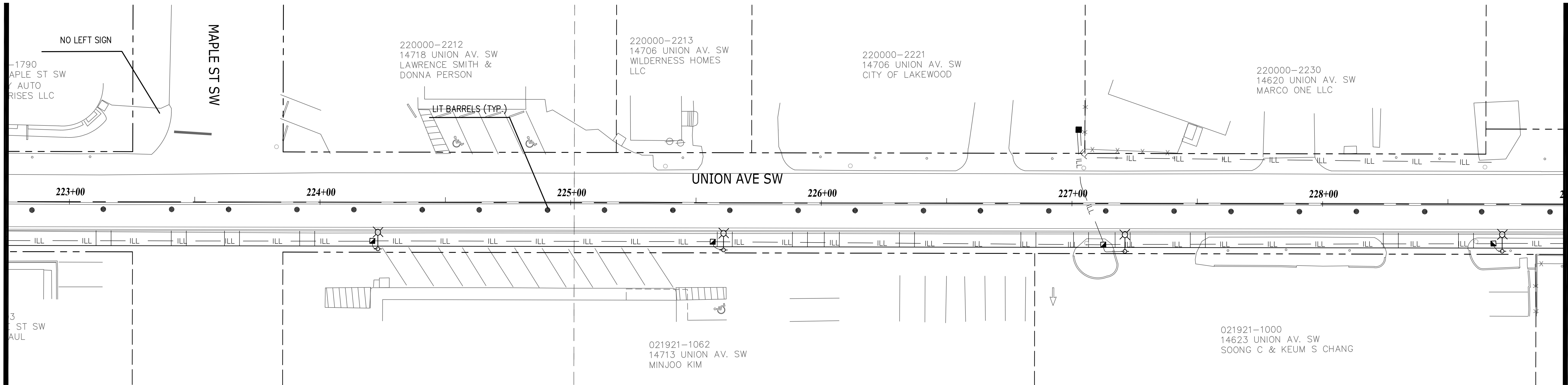


MATCH LINE STA. 222+75
SEE BELOW LEFT

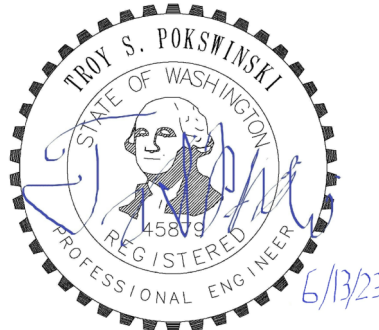
HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

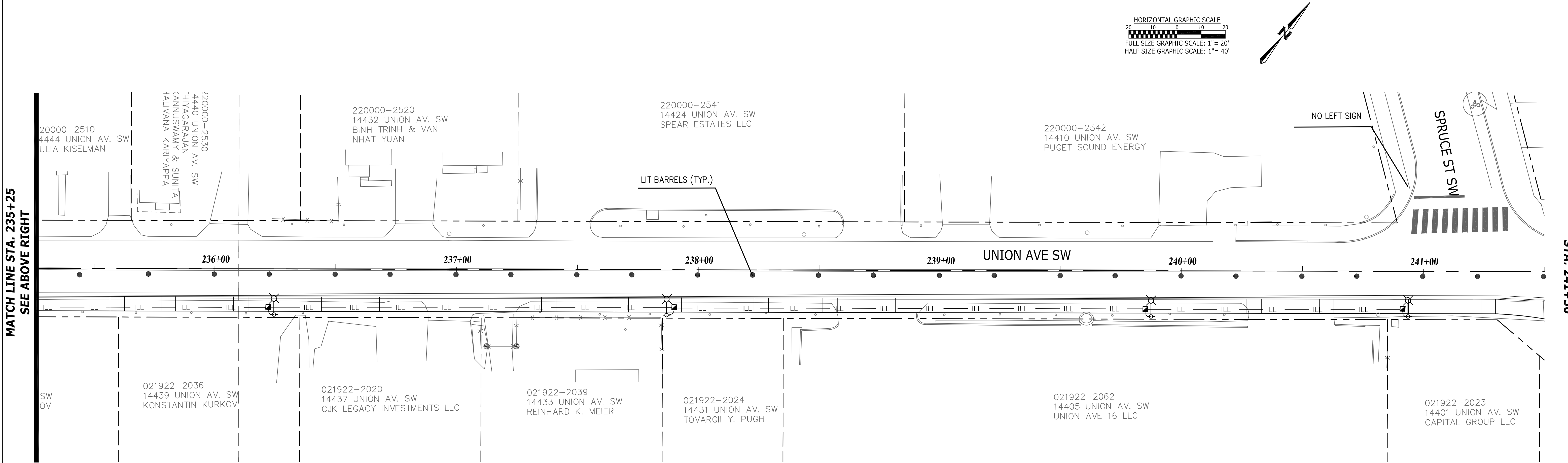
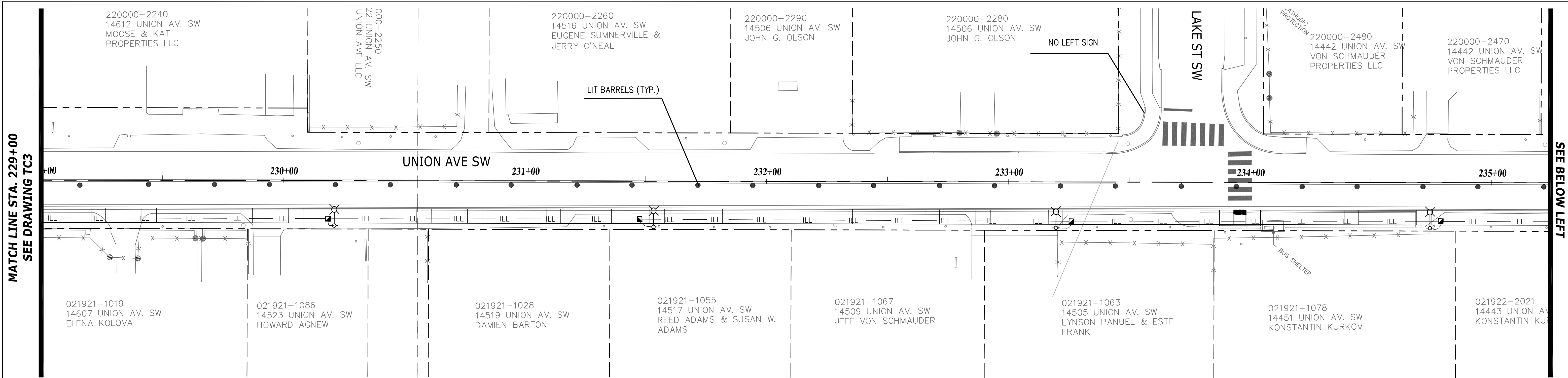


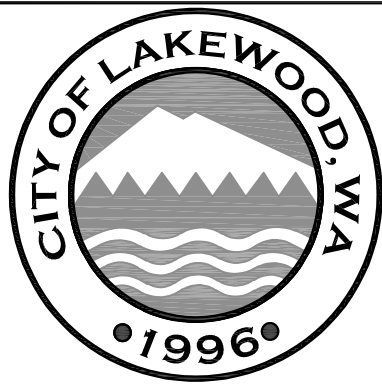
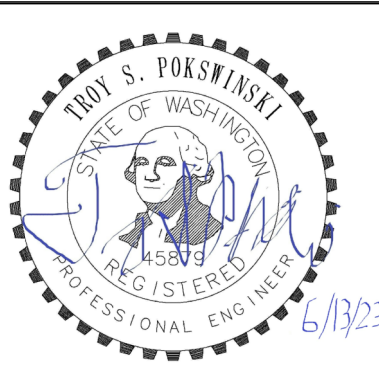
MATCH LINE STA. 222+75
SEE ABOVE RIGHT



MATCH LINE STA. 229+00
SEE DRAWING TC4

No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI	 	Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA		Drawing Name:	Drawing No. TC3
				Checked By: C. T. HILL			
				Approved By: P. BUCICH			
				Project Start Date: XX/XX/23 Drawing Scale: AS SHOWN Electronic File Name: 302.0096			Sheet 19 of 20



No.	Release/Revision	Re. Date	Re. By	Designed By: T. POKSWINSKI			Project Name: UNION AVENUE SW IMPROVEMENTS	Job No. 302.0096
				Entered By: A. DOBROVIDOVA			Drawing Name:	Drawing No. TC4
				Checked By: C. T. HILL				
				Approved By: P. BUCICH				
				Project Start Date: XX/XX/23			TRAFFIC CONTROL PLAN - STA. 229+00 TO STA. 241+50	Sheet 20 of 20
				Electronic File Name: 302.0096				