DESIGN DATA - WEST OF MAIN AVE					
Traffic		Average Daily			
Current	2018	Pass: 2679	Trucks: 355	Total: 3034	
Forecast	2038	Pass: 3981	Trucks: 527	Total: 4508	
Clear Zone Distance: N/A (Urban Area)			Design Speed: 35 mph		
Minimum Sight Dist. for Stopping: 250'			Bridges: N/A		
Pavement Design Life 30 (years)					
Design Accumulated One-Way Rigid ESALs: 2,314,337					

DESIGN DATA - EAST OF MAIN AVE					
Traffic		Average Daily			
Current	2018	Pass: 3523	Trucks: 91	Total: 3614	
Forecast	2038	Pass: 5236	Trucks: 135	Total: 5371	
Clear Zone Distance: N/A (Urban Area)			Design Speed: 35 mph		
Minimum Sight Dist. for Stopping: 250'			Bridges: N/A		
Pavement Design Life 20 (years)					
Design Accumulated One-Way Flexible ESALs: 232,612					

JOB #XX
CITY OF DICKINSON, STARK COUNTY NORTH DAKOTA

NDDOT PROJECT NO. SU-5-983(059)059
8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

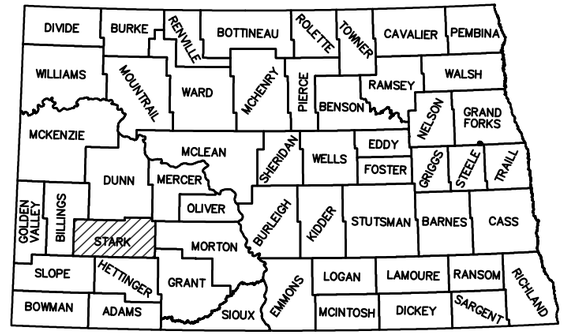
Grading, Aggregate Base Course, Hot Mix Asphalt, PCC Pavement, Curb & Gutter, Sidewalks, Signing, Pavement Marking, Lighting, & Water Main

PROJECT NUMBER	NET MILES	GROSS MILES
SU-5-983(059)059	0.632	0.648

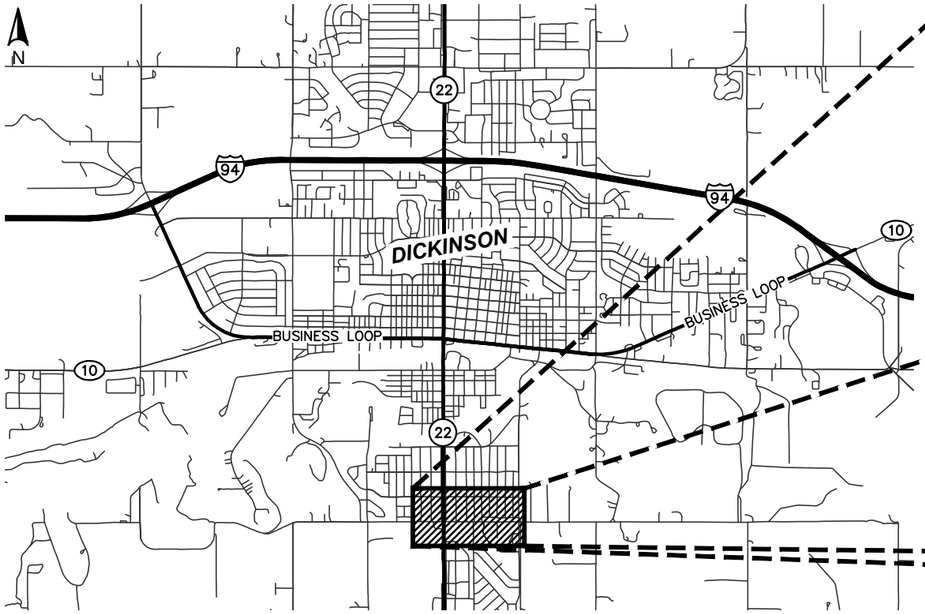
STATE	PROJECT NO.	PCN	SECTION NO.	SHEET NO.
ND	SU-5-983(059)059	21723	1	1

GOVERNING SPECIFICATIONS

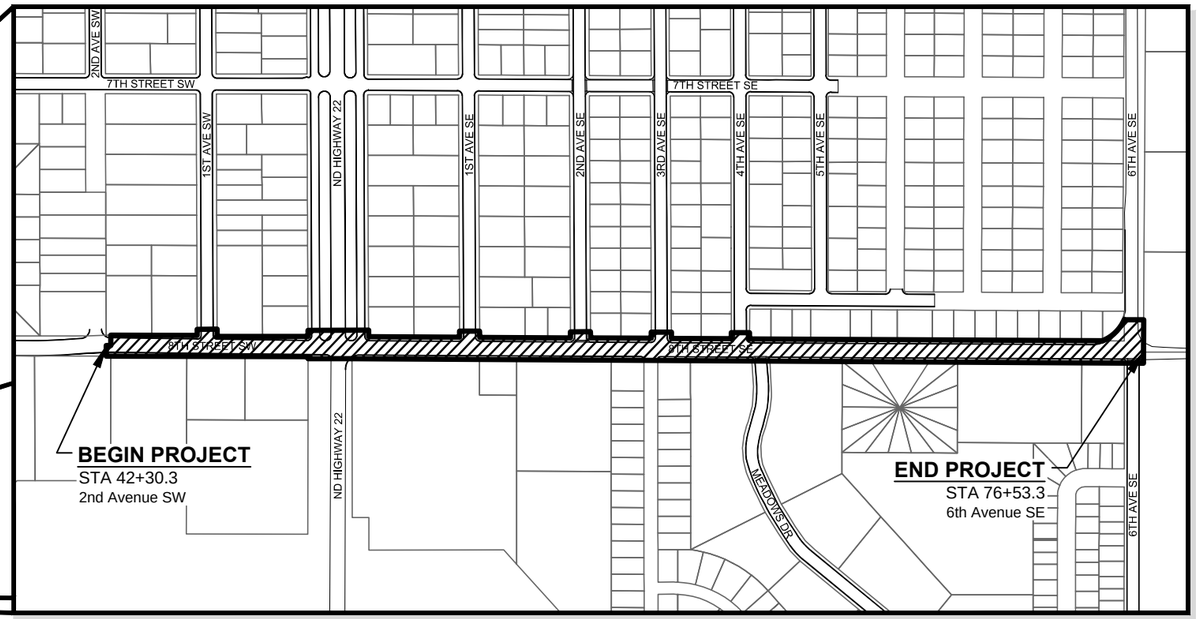
2014 Standard Specifications for Road and Bridge Construction adopted by the North Dakota Department of Transportation and the Supplemental Specifications effective on the date the project is advertised.



STATE COUNTY MAP



CITY MAP
1"=1 mile



DESIGNERS: HIGHLANDS ENGINEERING

Andrew Schrank, PE

KC Homiston, PE/LS

Andrew Albrecht, EIT

DESIGNERS: PRAIRIE ENGINEERING

Jeremy Butman, PE

CITY OF DICKINSON REVIEW

/S/ Date: X-X-17

Craig Kubas, City Engineer
City of Dickinson, ND

I hereby certify that the attached plans were prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the state of ND.

APPROVED DATE X-X-17

---- /S/

---- ----
Highlands Engineering & Surveying, PLLC

PRELIMINARY

This document is preliminary and not for construction or implementation purposes.

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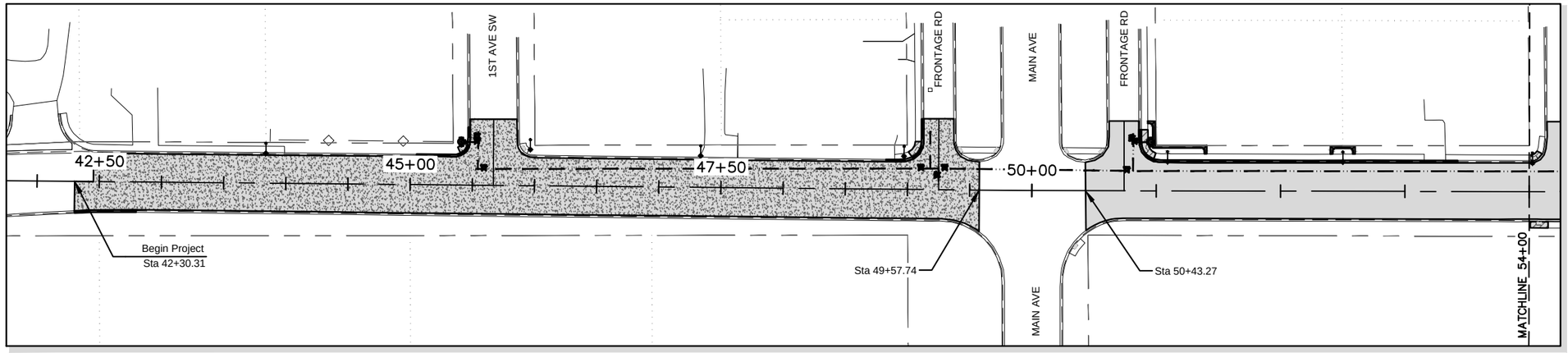
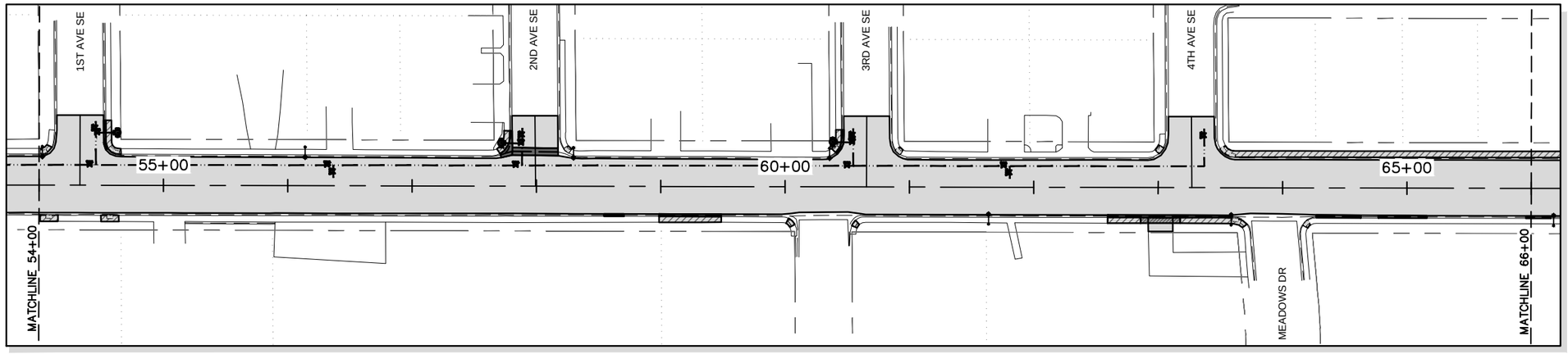
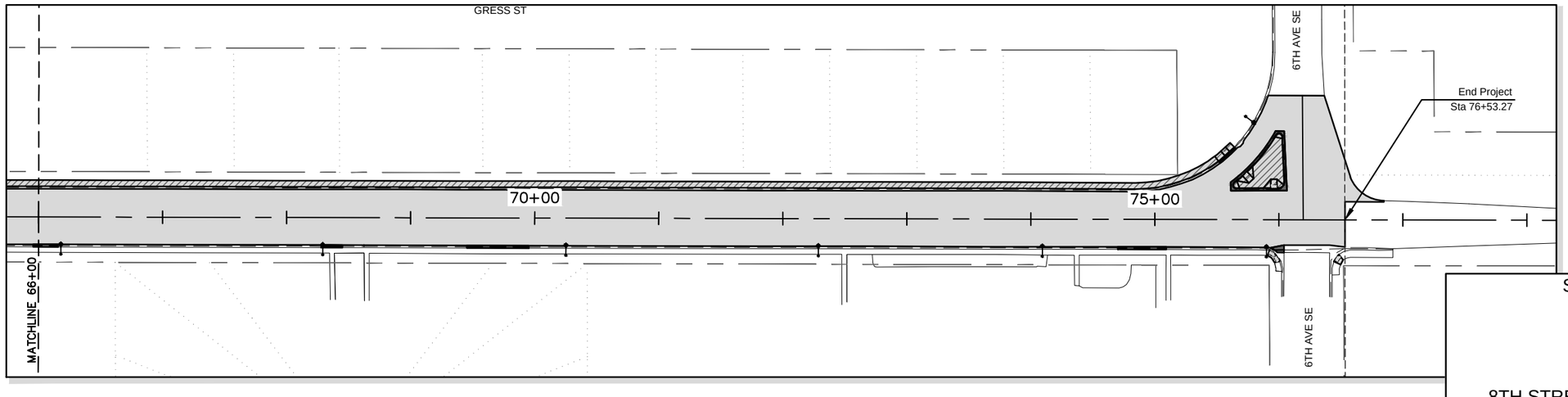
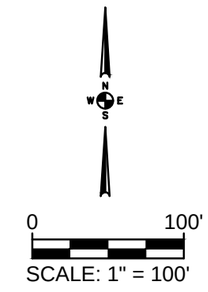






LEGEND

- SUPERPAVE FAA 40
- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- SIDEWALK CONCRETE
- DRIVEWAY CONCRETE
- CURB AND GUTTER
- VALLEY GUTTER
- WATER MAIN REPLACEMENT
- NEW LIGHT STANDARD



SCALE: 1" = 100'

PRELIMINARY

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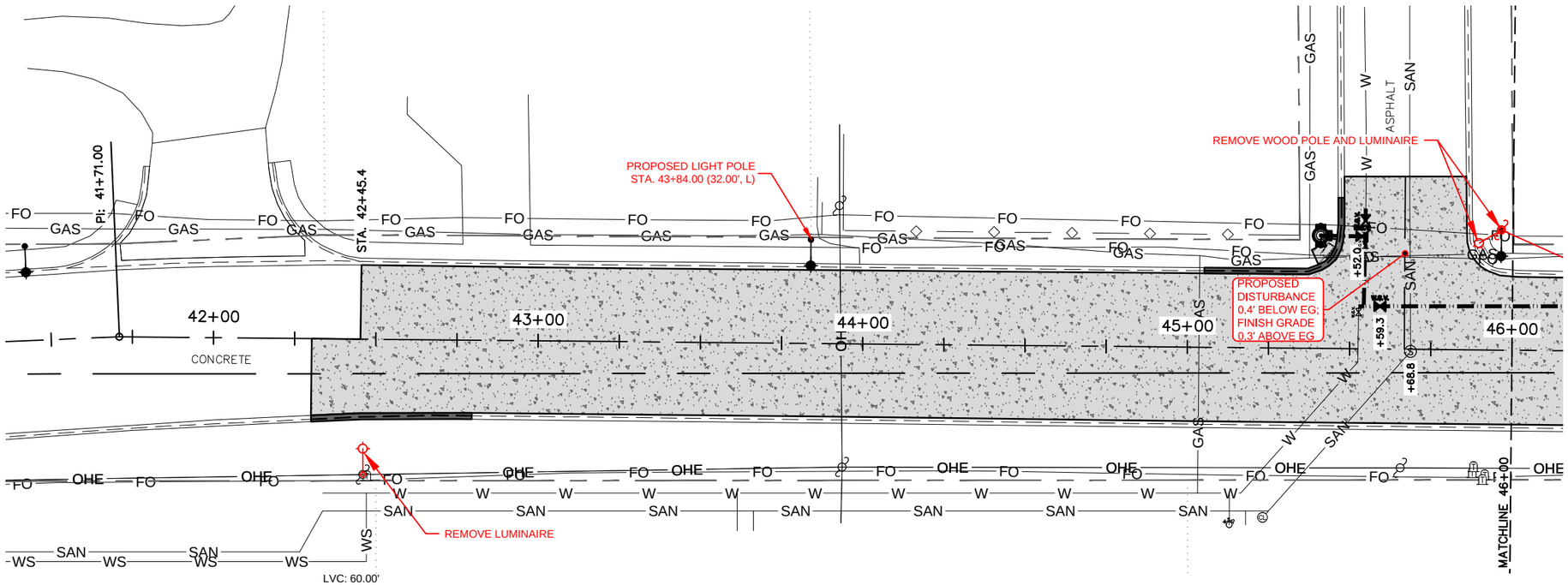
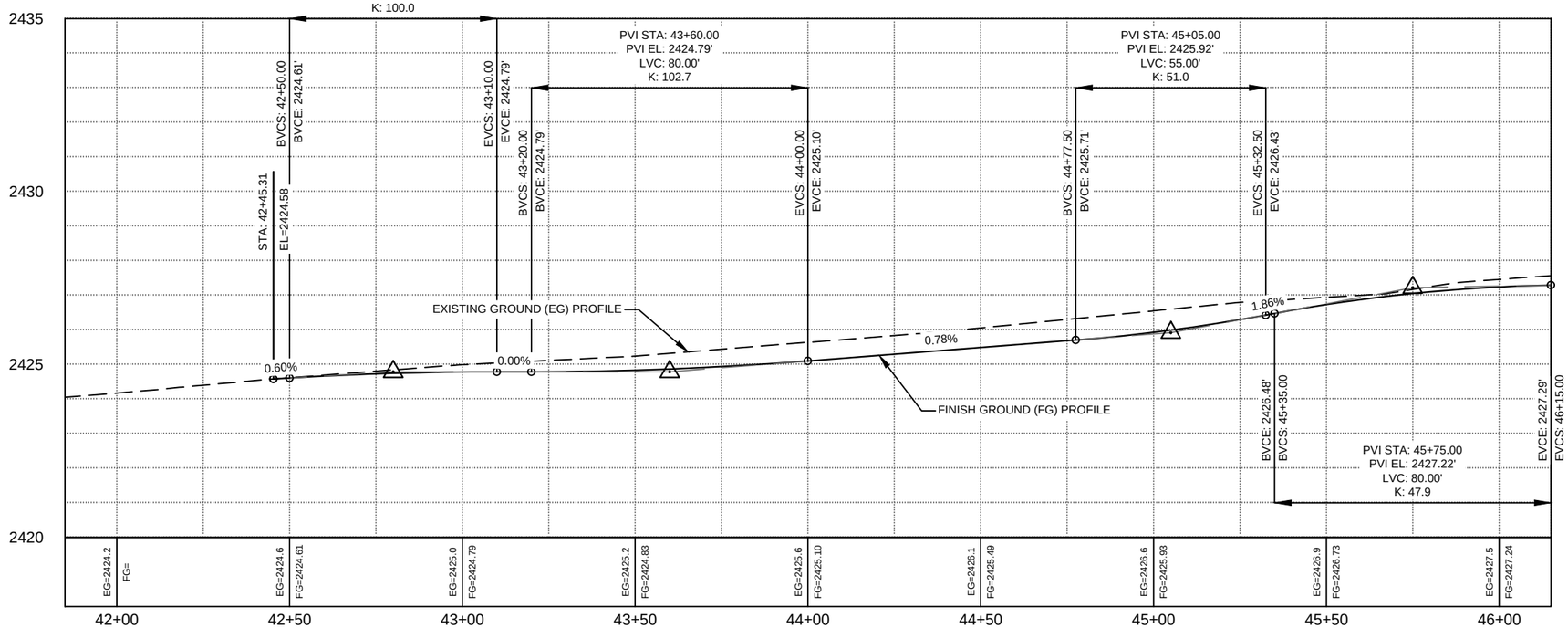
SCOPE OF WORK

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-5-983(059)059	60	1





LEGEND

- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- HOT MIX ASPHALT
- VALLEY GUTTER-TYPE I 72IN
- CURB & GUTTER
- SIDEWALK CONCRETE
- DRIVEWAY CONCRETE

N W E S

SCALE

HORIZONTAL: 1"=40'

VERTICAL: 1"=4'

0 40' H

0 4' V

PRELIMINARY

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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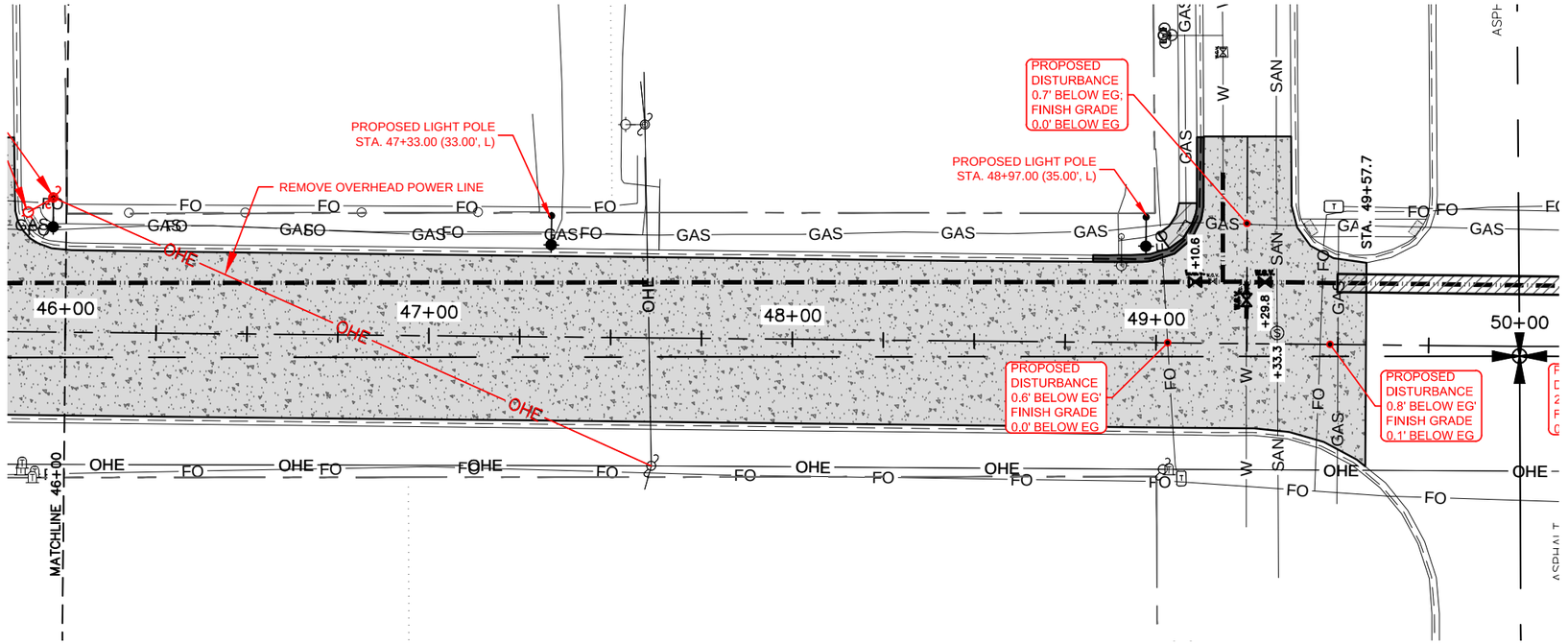
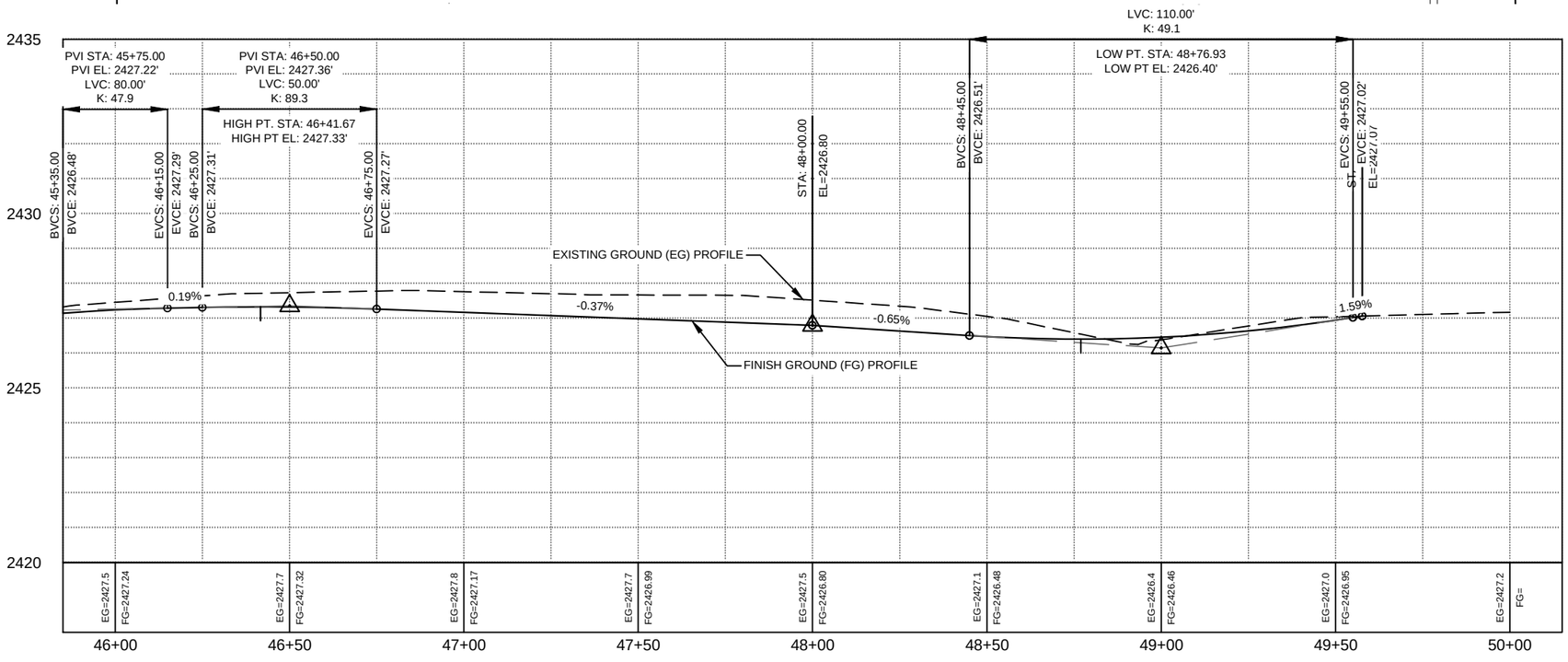
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-5-983(059)059	60	2





LEGEND

- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- HOT MIX ASPHALT
- VALLEY GUTTER-TYPE I 72IN
- CURB & GUTTER
- SIDEWALK CONCRETE
- DRIVEWAY CONCRETE

N W E S

SCALE

HORIZONTAL: 1"=40'

VERTICAL: 1"=4'

0 40' H

0 4' V

PRELIMINARY

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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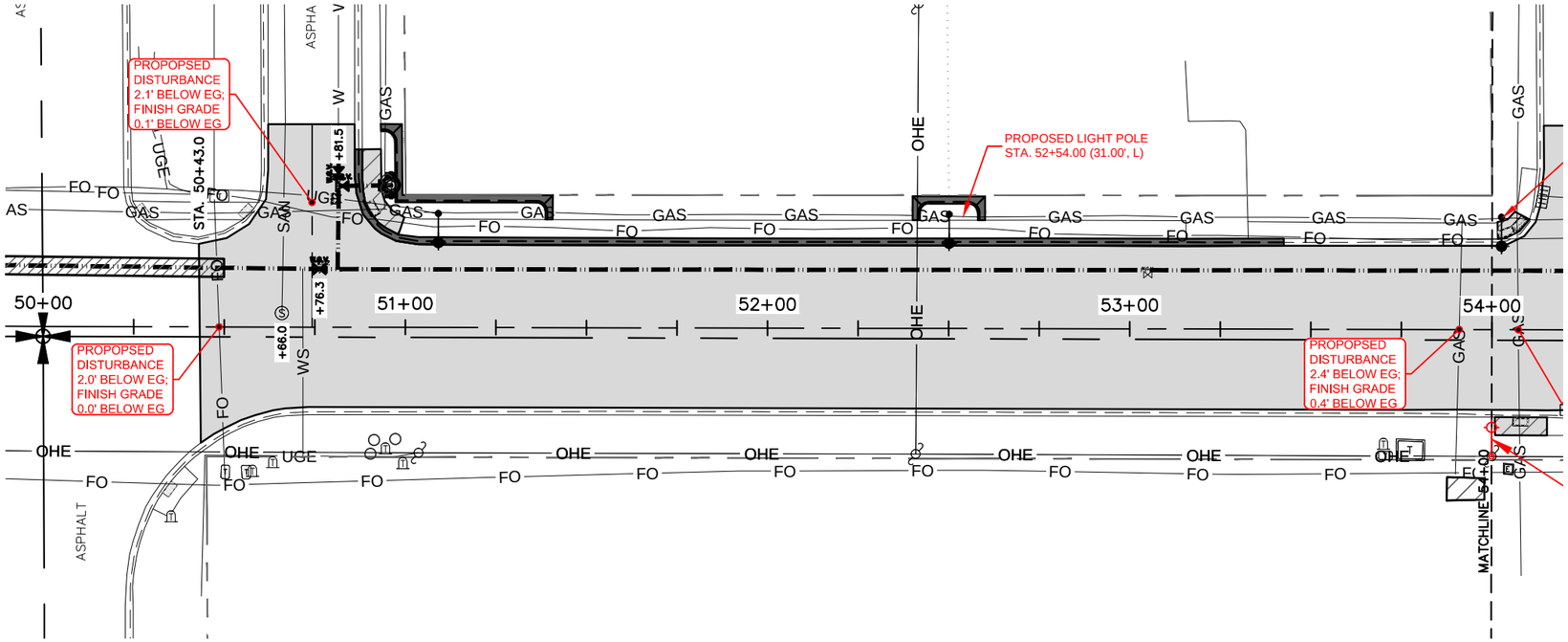
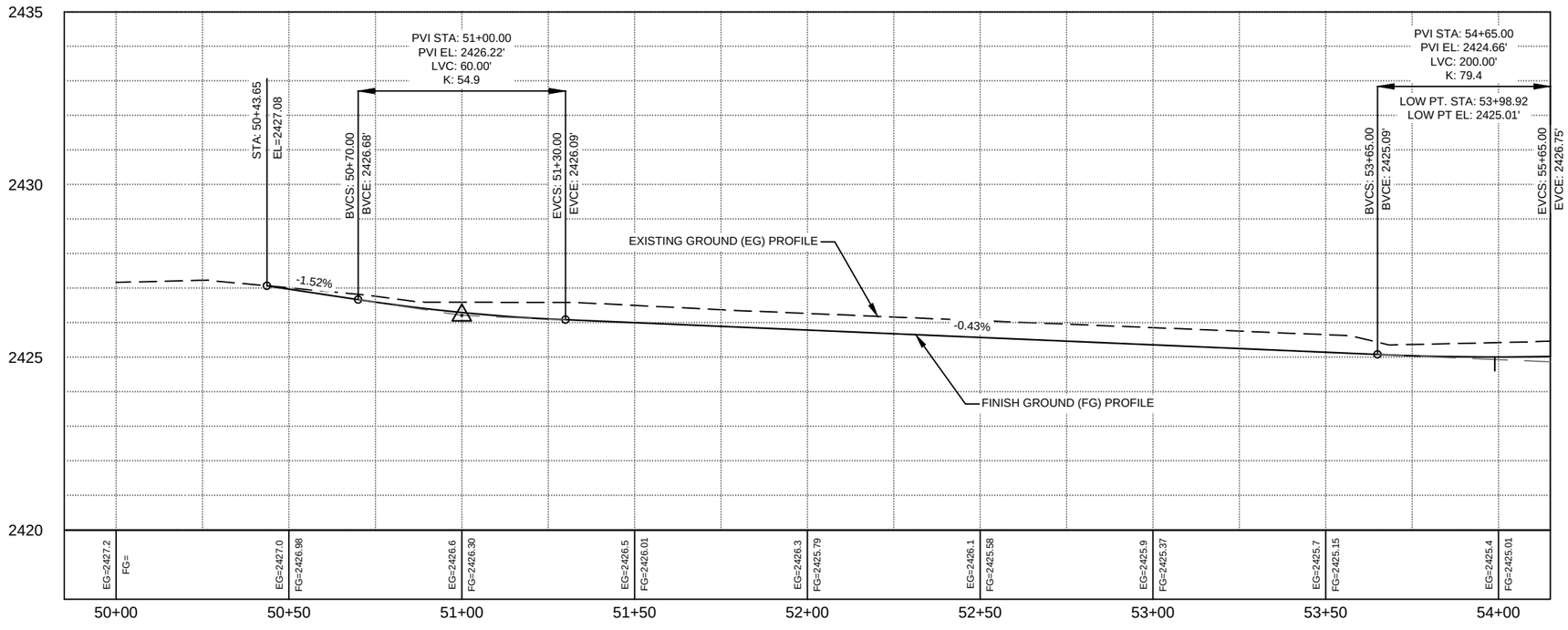
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-5-983(059)059	60	3





LEGEND

- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- HOT MIX ASPHALT
- VALLEY GUTTER-TYPE I 72IN
- CURB & GUTTER
- SIDEWALK CONCRETE
- DRIVEWAY CONCRETE

N W E S

SCALE

HORIZONTAL: 1"=40'

VERTICAL: 1"=4'

0 40' H

0 4' V

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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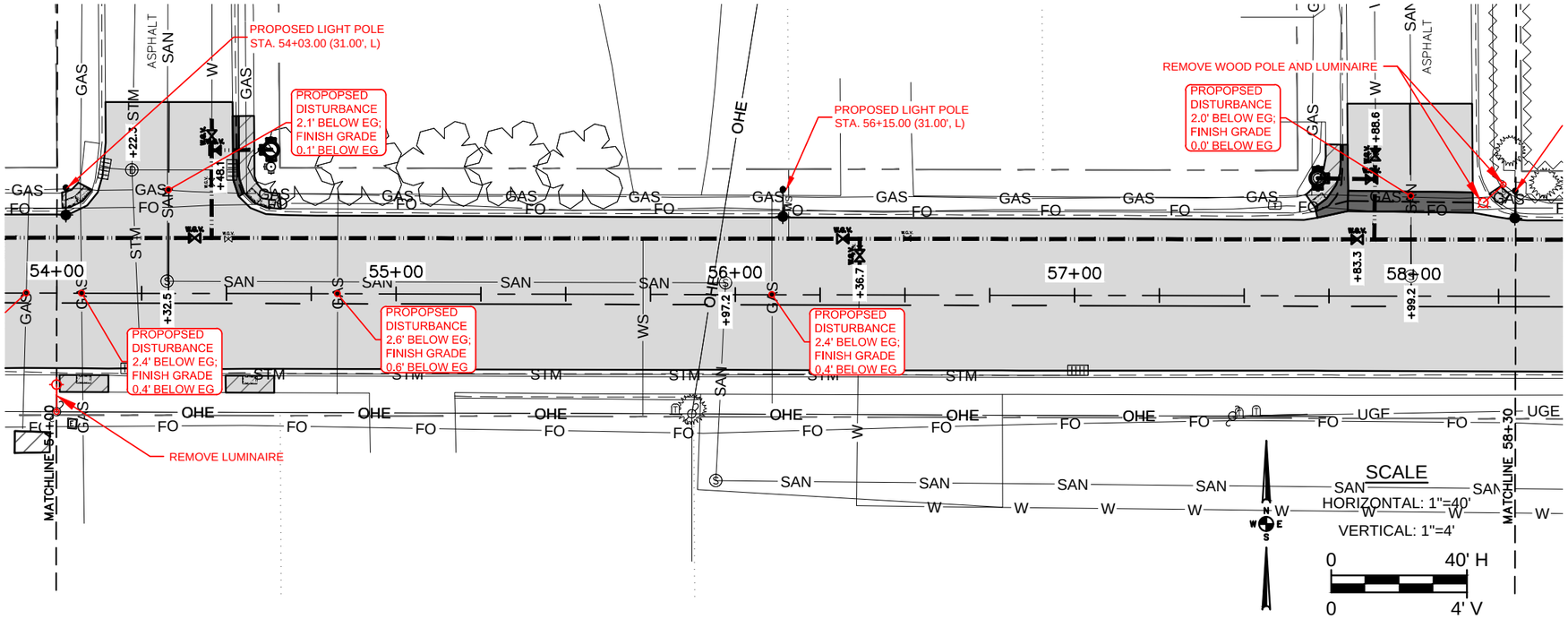

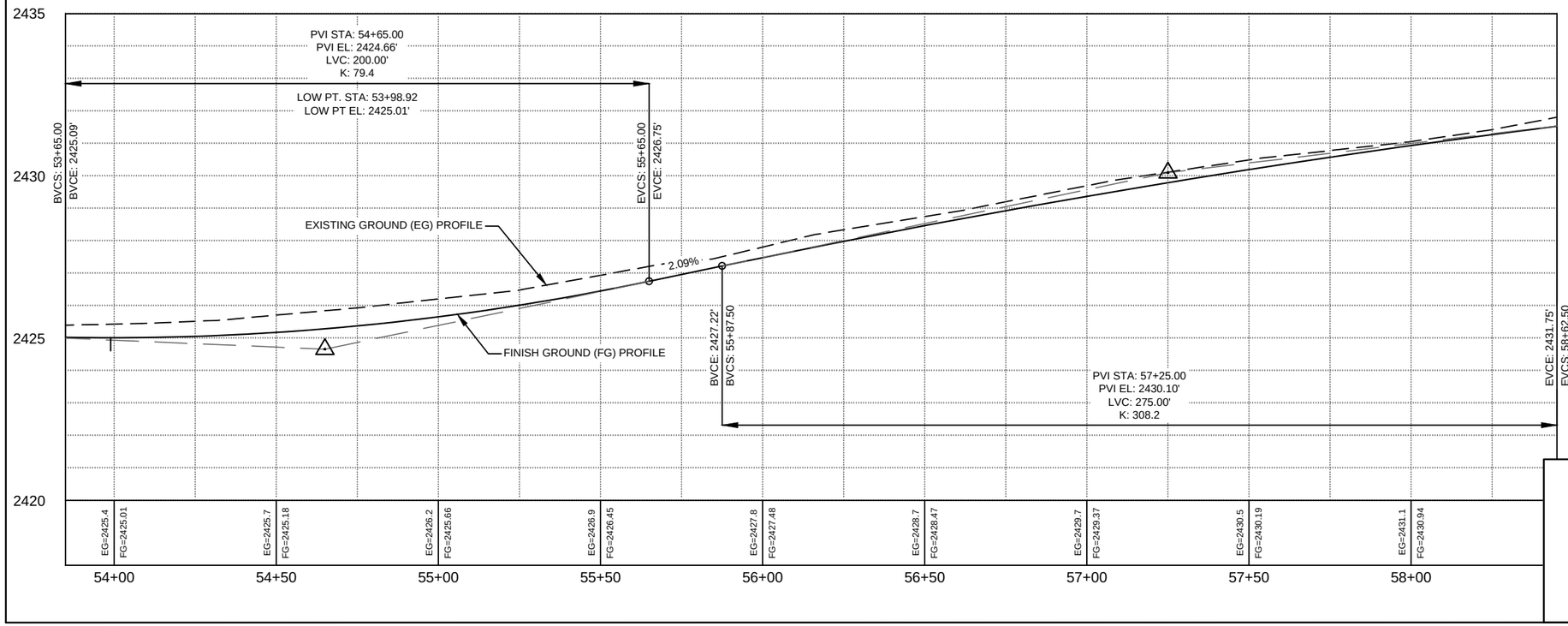

LEGEND

- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- HOT MIX ASPHALT
- VALLEY GUTTER-TYPE I 72IN
- CURB & GUTTER
- SIDEWALK CONCRETE
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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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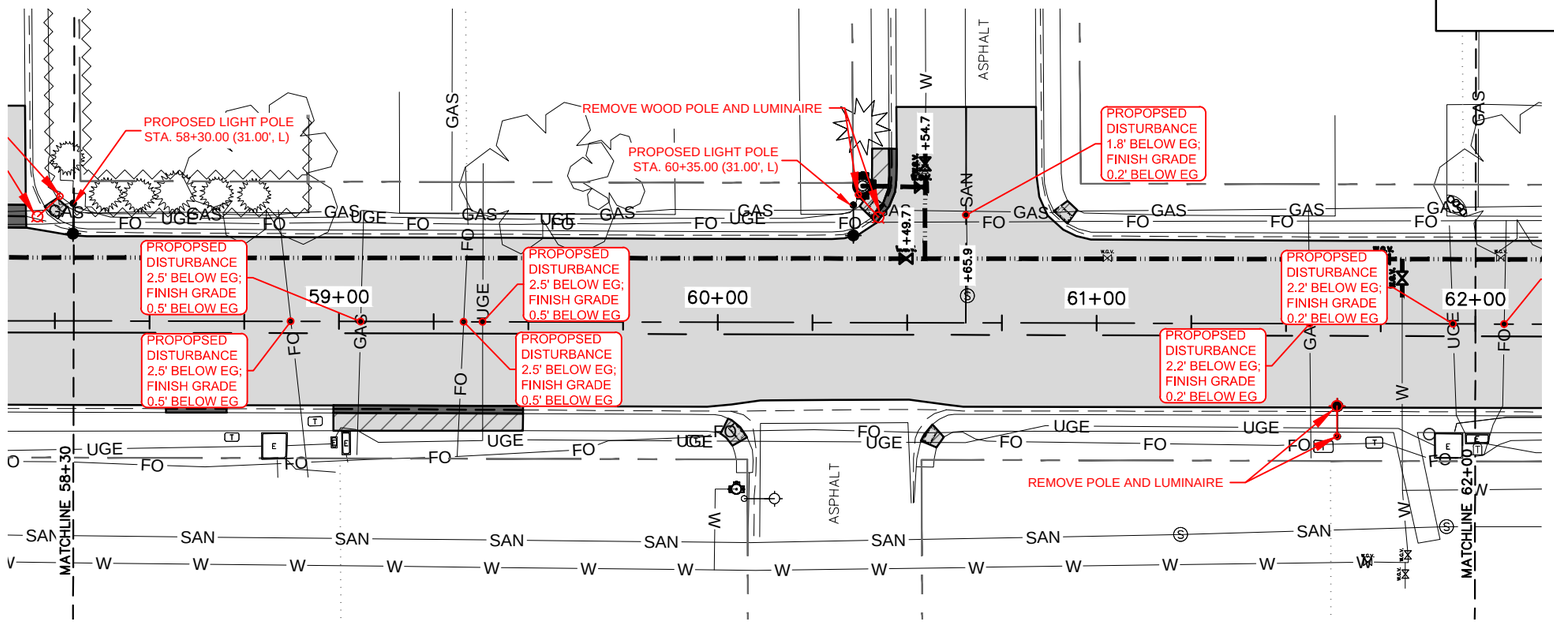

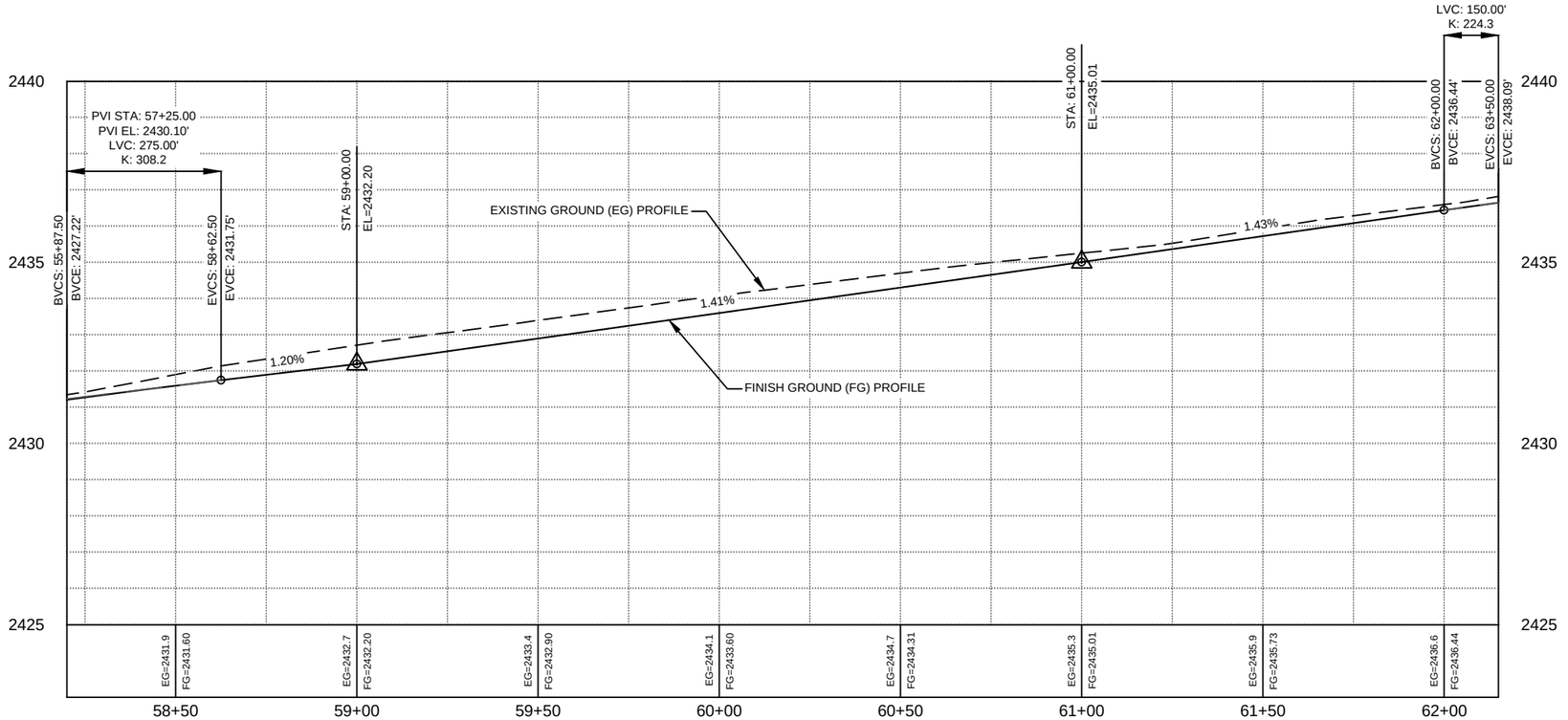

LEGEND

- 8IN NON-REINF CONCRETE PVMT CL AE-DOWELED
- HOT MIX ASPHALT
- VALLEY GUTTER-TYPE I 72IN
- CURB & GUTTER
- SIDEWALK CONCRETE
- DRIVEWAY CONCRETE

SCALE

HORIZONTAL: 1"=40'

VERTICAL: 1"=4'

0 40' H

0 4' V

PRELIMINARY

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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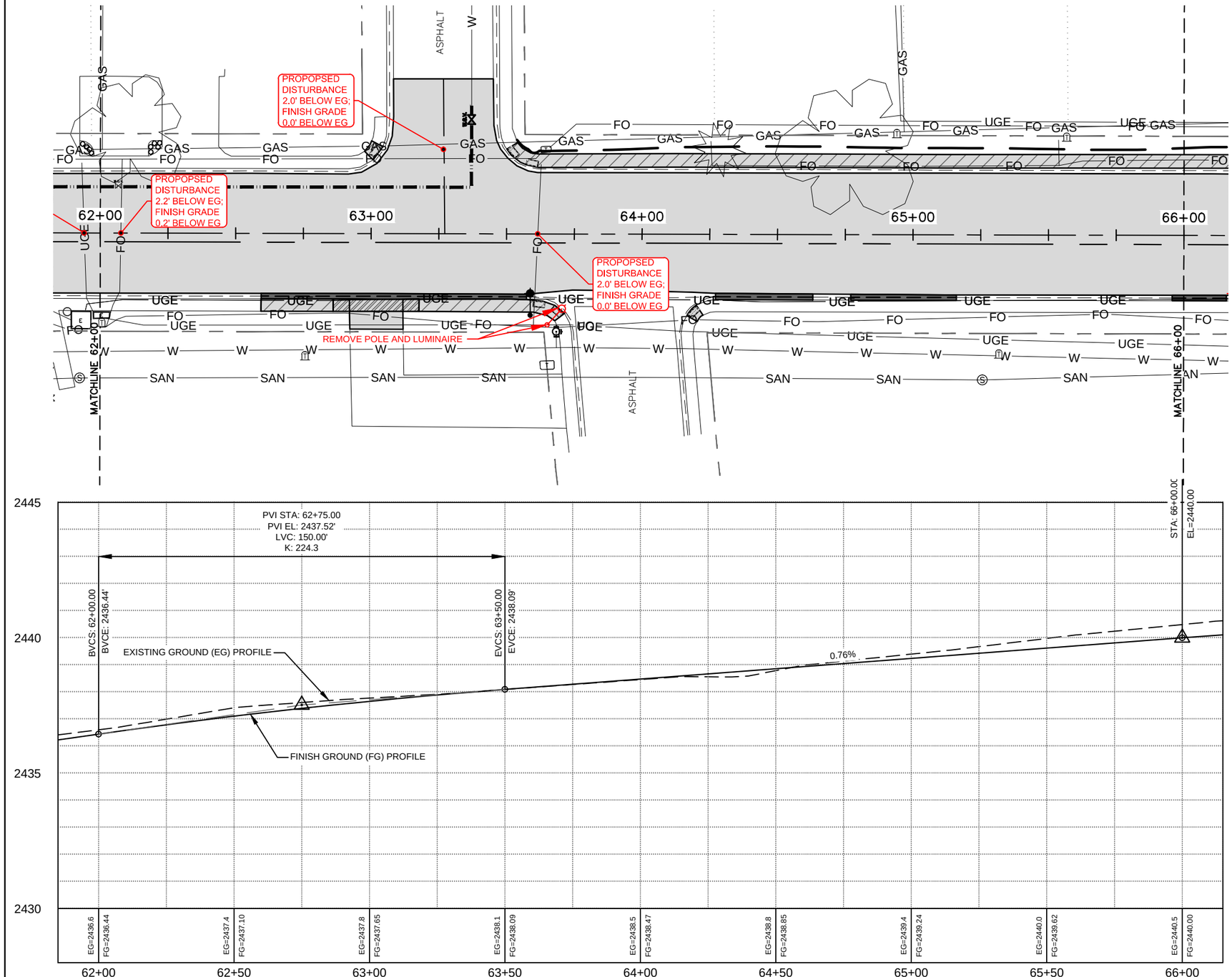

LEGEND

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SCALE

HORIZONTAL: 1"=40'

VERTICAL: 1"=4'

0 40' H

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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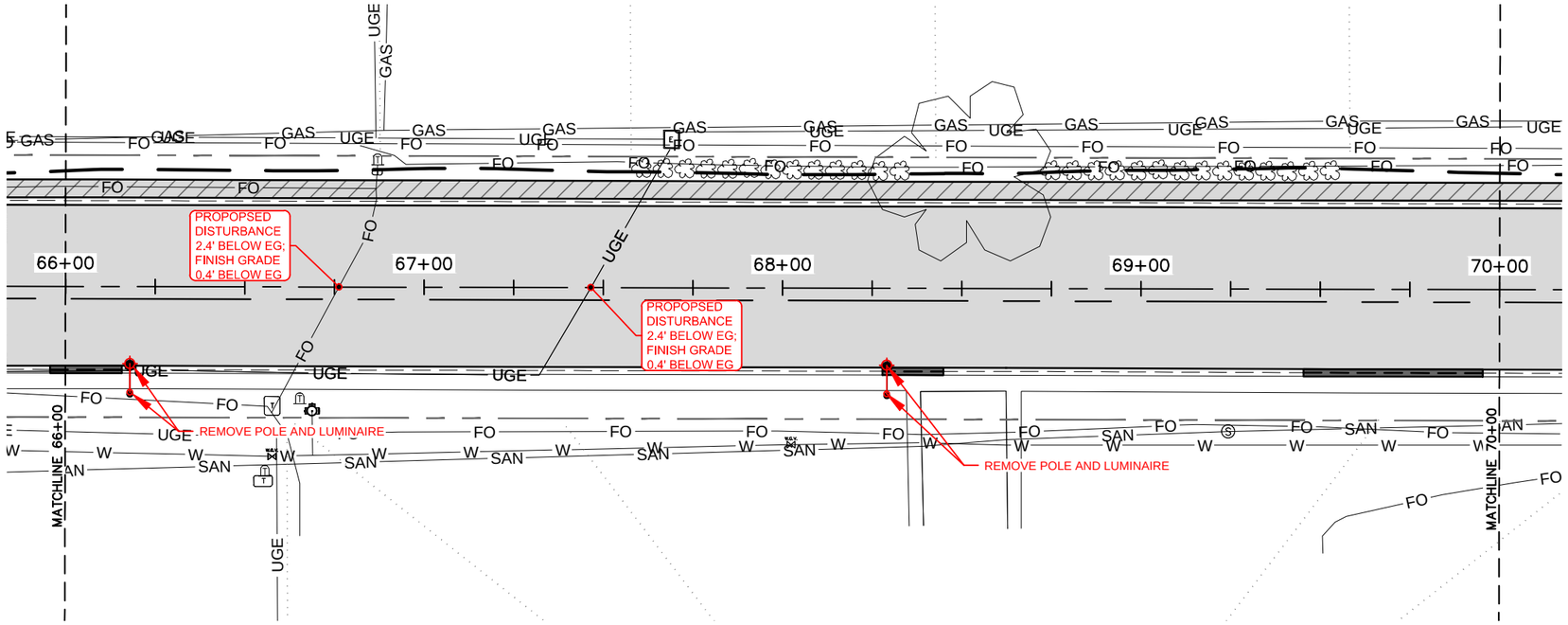
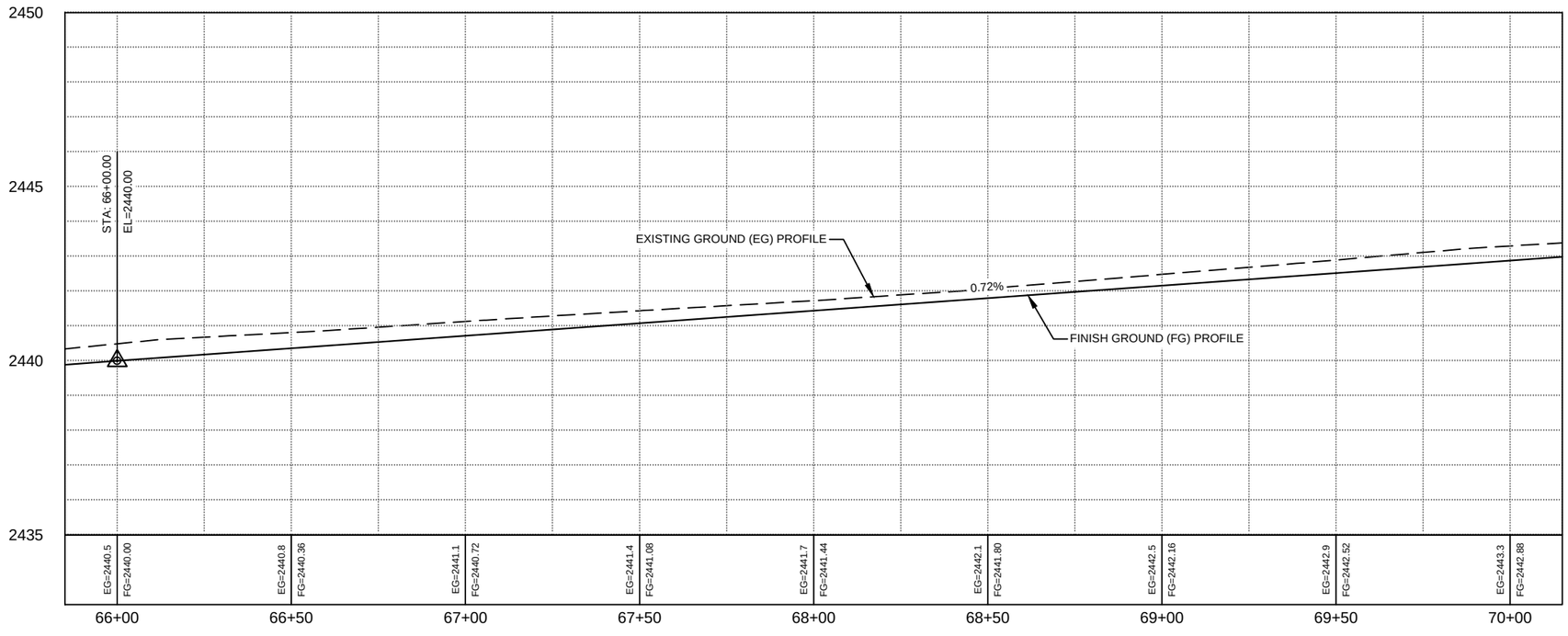
	ND	SU-5-983(059)059	60	7





LEGEND

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N W E S

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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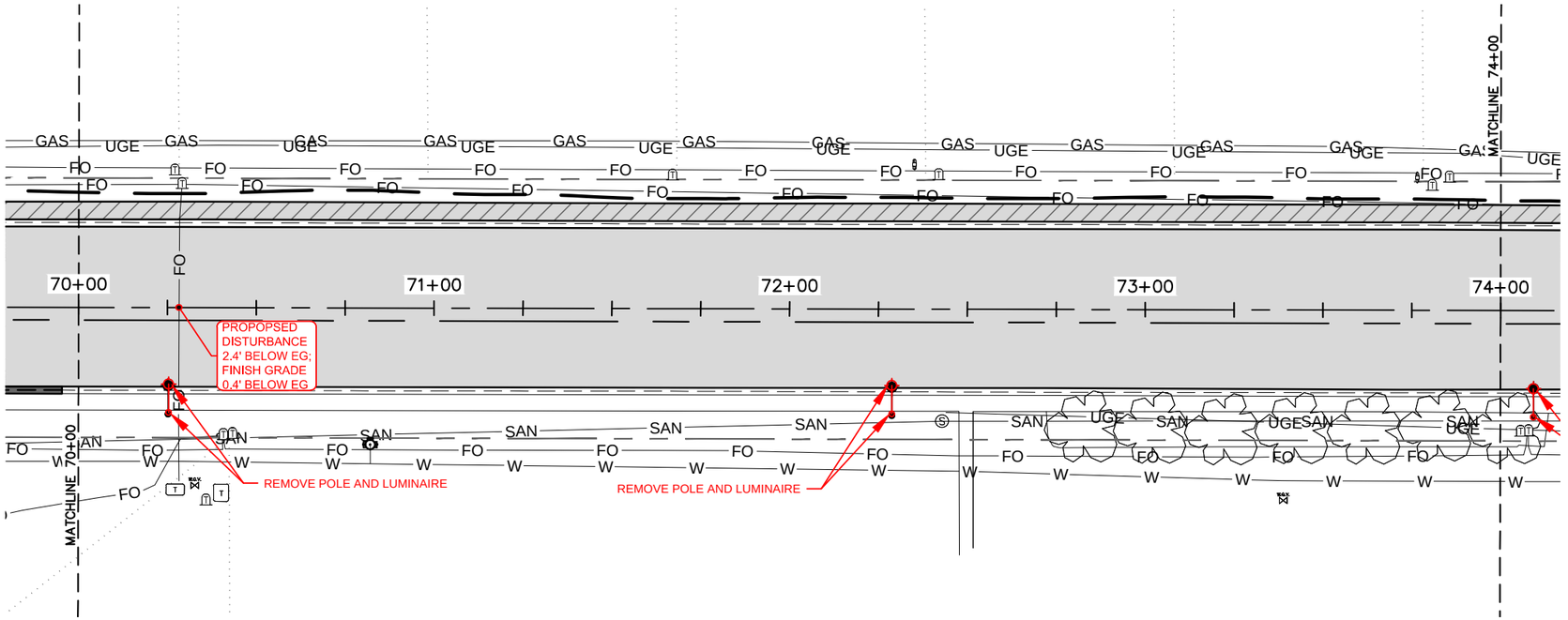
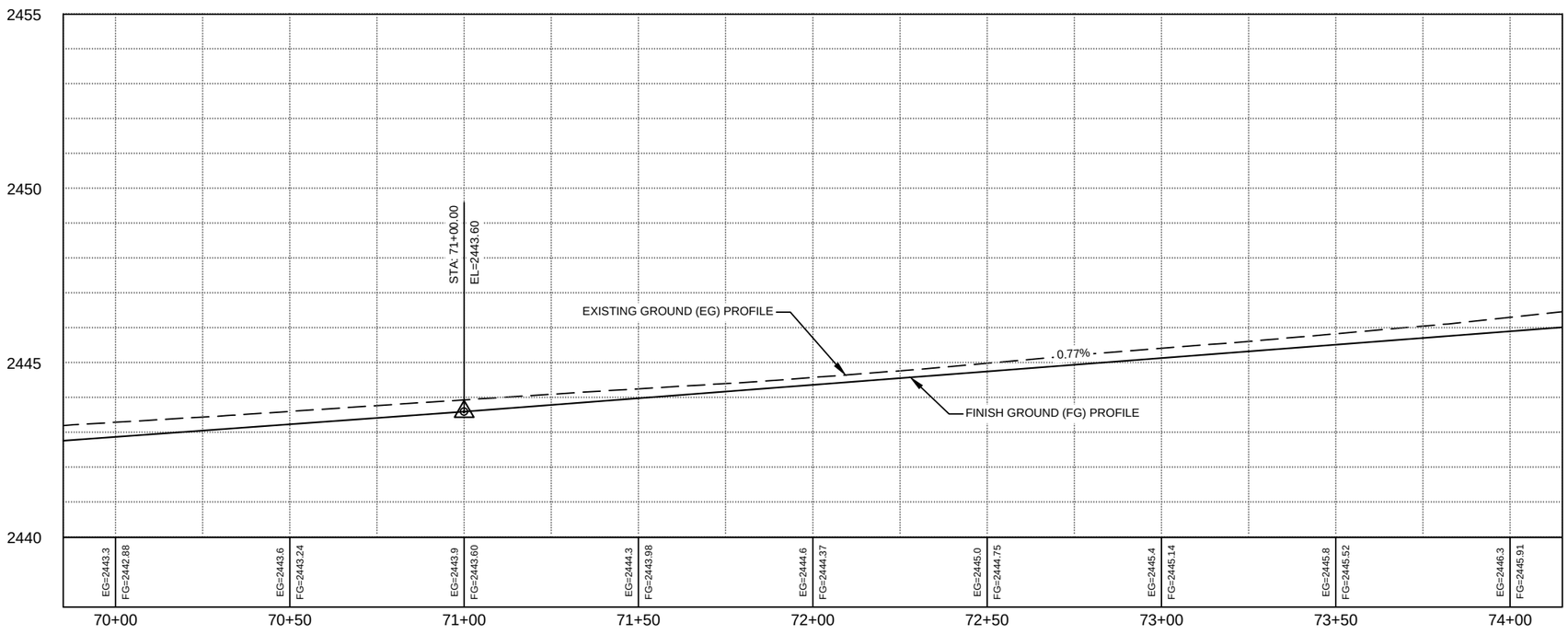
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-5-983(059)059	60	8





LEGEND

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PLAN AND PROFILE

8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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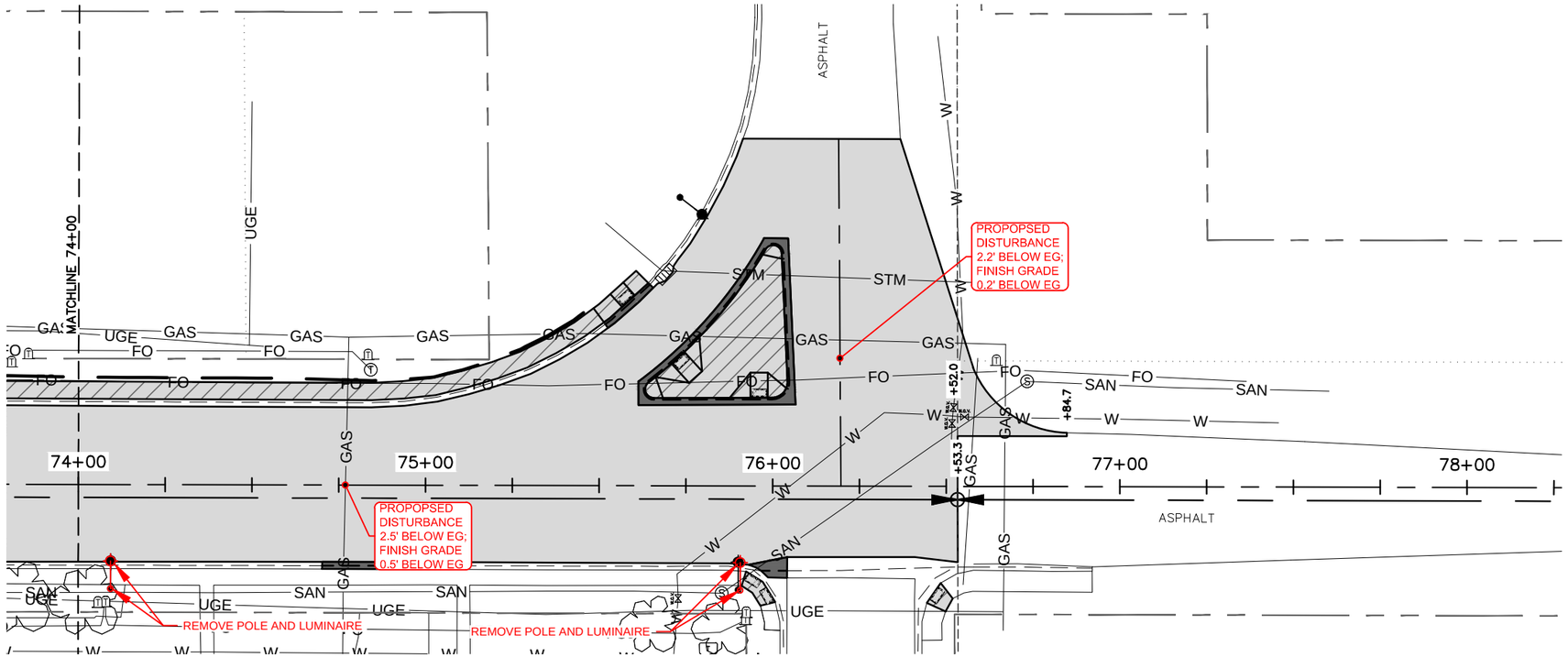

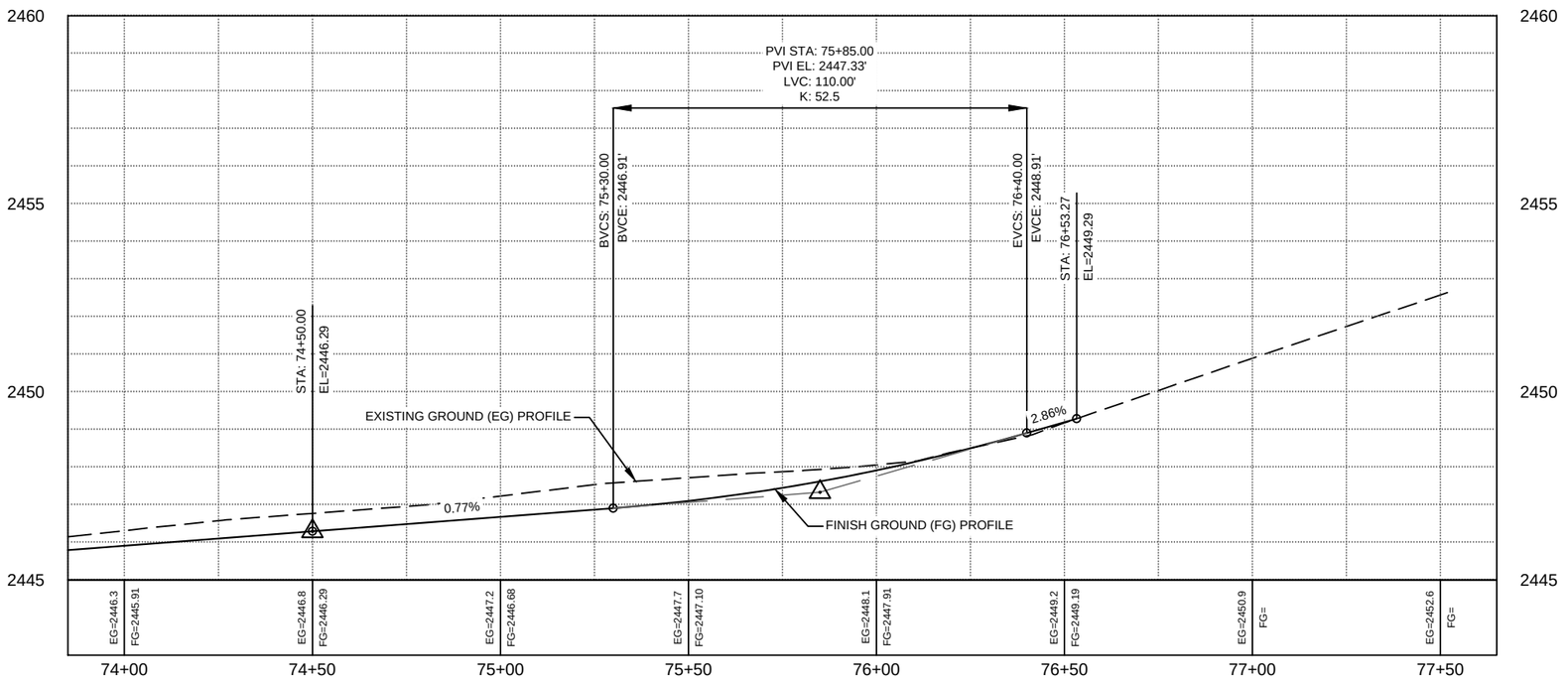

LEGEND

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8TH STREET S RECONSTRUCTION
2ND AVE SW TO 6TH AVE SE

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-5-983(059)059	N/A	1

UTILITY CONFLICT SUMMARY SHEET

Item #	Utility Company	P&P Sheet #	Approx. Sta From	Approx. Sta TO	Approx. Offset FROM	Approx. Offset TO	Location	Comments	Type of Facility	Reimbursable (YES/NO)
MDU1	MDU	1	42+46	42+46	42’ RT	42’ RT	Right-of-Way	Remove Luminaire	Electric Light	NO
MDU2	MDU	1	45+96	45+96	37’ LT	37’ LT	Right-of-Way	Remove wood pole and luminaire	Electric Light	NO
MDU3	MDU	1-2	45+96	47+62	37’ LT	35’ RT	Right-of-Way	Remove overhead electric line to light pole	Overhead Electric	NO
CONS1	Consolidated	3	50+49	50+49	25’ LT	28’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
CONS2	Consolidated	3	50+61	50+94	36’ LT	36’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU4	MDU	3	50+58	50+94	32’ LT	32’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU5	MDU	3	53+91	53+91	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU6	MDU	4	54+00	54+00	35’ RT	35’ RT	Right-of-Way	Remove Luminaire	Electric Light	NO
MDU7	MDU	4	54+07	54+07	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU8	MDU	4	54+07	54+55	30’ LT	30’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
CONS3	Consolidated	4	54+07	54+55	31’ LT	31’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU9	MDU	4	54+83	54+83	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU10	MDU	4	56+11	56+11	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
CONS4	Consolidated	4	57+75	58+20	29’ LT	29’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU11	MDU	4	57+75	58+20	30’ LT	30’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU12	MDU	4	58+26	58+26	33’ LT	33’ LT	Right-of-Way	Remove wood pole and luminaire	Electric Light	NO
MIDCO1	Mid-Continent	5	58+85	58+90	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU13	MDU	5	59+06	59+06	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
CL1	CenturyLink	5	59+33	59+33	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU14	MDU	5	59+38	59+38	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Electric Line	NO
MDU15	MDU	5	60+37	60+37	34’ LT	34’ LT	Right-of-Way	Remove wood pole and luminaire	Electric Light	NO
CONS5	Consolidated	5	60+40	60+90	27’ LT	27’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU16	MDU	5	60+40	60+90	29’ LT	29’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU17	MDU	5	61+56	61+56	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU18	MDU	5	61+63	61+63	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
MDU19	MDU	5	61+94	61+94	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Electric Line	NO
MIDCO2	Mid-Continent	6	62+08	62+08	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MIDCO3	Mid-Continent	6	63+02	63+54	28’ LT	28’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
CONS6	Consolidated	6	63+02	63+54	28’ LT	28’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU20	MDU	6	63+02	63+54	33’ LT	33’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
CONS7	Consolidated	6	63+60	63+63	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU21	MDU	6	63+65	63+65	34’ RT	34’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
MDU22	MDU	7	66+18	66+18	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-5-983(059)059	N/A	2

UTILITY CONFLICT SUMMARY SHEET

Item #	Utility Company	P&P Sheet #	Approx. Sta From	Approx. Sta TO	Approx. Offset FROM	Approx. Offset TO	Location	Comments	Type of Facility	Reimbursable (YES/NO)
MIDCO4	Mid-Continent	7	66+64	66+86	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU23	MDU	7	67+33	67+60	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Electric Line	NO
MDU24	MDU	7	68+29	68+29	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
MDU25	MDU	8	70+25	70+25	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
CONS8	Consolidated	8	70+28	70+28	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU26	MDU	8	72+28	72+28	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
MDU27	MDU	9	74+09	74+09	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO
MDU28	MDU	9	74+77	74+77	23’ LT	23’ RT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
CONS9	Consolidated	9	75+20	76+60	30’ LT	31’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
CL2	CenturyLink	9	75+20	76+60	30’ LT	31’ LT	Right-of-Way	Relocate/lower line crossing if needed	Communication Line	NO
MDU29	MDU	9	75+50	76+55	42’ LT	43’ LT	Right-of-Way	Relocate/lower line crossing if needed	Gas Line	NO
MDU30	MDU	9	75+91	75+91	30’ RT	30’ RT	Right-of-Way	Remove pole, foundation, and luminaire	Electric Light	NO