

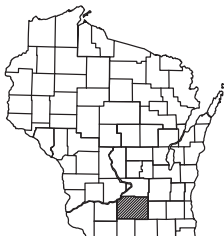
PROJECT ID: 5400-00-72  
WITH: 5400-00-73/74

COUNTY: DANE

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details (Includes Erosion Control Plans)
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS =



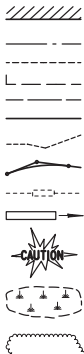
END PROJECT  
STA. 50+39.35

BEGIN PROJECT  
STA. 43+62.36  
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X = 823,216.46

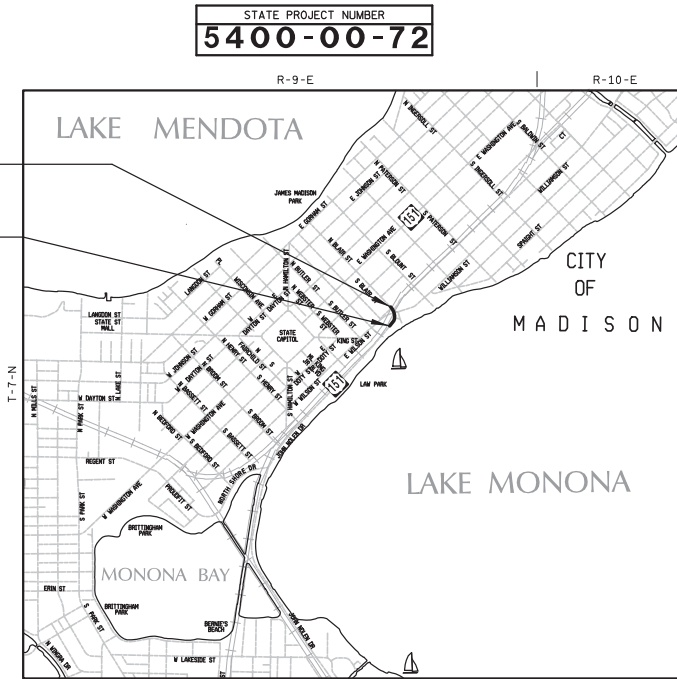
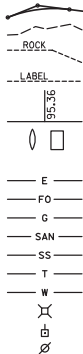
DESIGN DESIGNATION	US 151 (JOHN NOLEN DR.)	US 151 (S. BLAIR ST.)
A.A.D.T. (2022)	= 42,100	= 25,200
A.A.D.T. (2042)	= 45,000	= 26,800
D.H.V.	= 4,680	= 2,980
D.O.	= 59/41	= 59/41
T.	= 8.3%	= 10.4%
DESIGN SPEED	= 25 MPH	= 25 MPH
ESALS	= 10,000,000	

CONVENTIONAL SYMBOLS

PLAN
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE
SLOPE INTERCEPT
REFERENCE LINE
EXISTING CULVERT
PROPOSED CULVERT (Box or Pipe)
COMBUSTIBLE FLUIDS
MARSH AREA
WOODED OR SHRUB AREA



PROFILE
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH
GRADE ELEVATION
CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



LAYOUT  
SCALE 0 0.25 Mi.

TOTAL NET LENGTH OF CENTERLINE = 0.128 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY.

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MADISON, S BLAIR ST/JOHN NOLEN DR

WILSON/WILLIAMSON ST INTERSECTION

USH 151

DANE COUNTY

STATE PROJECT NUMBER  
5400-00-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5400-00-72		

SANITARY SEWER AND WATER MAIN  
DESIGNED BY: STRAND ASSOCIATES, INC.

ACCEPTED FOR THE CITY OF MADISON

DATE: \_\_\_\_\_  
CITY ENGINEER

ORIGINAL PLANS PREPARED BY:



STREET LIGHTING/TRAFFIC SIGNALS  
DESIGNED BY: CITY OF MADISON

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	STEVE MARSHALL, P.E.
Regional Examiner	SOUTHWEST REGION
Regional Supervisor	KIMBERLY SCHAUER, P.E.
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

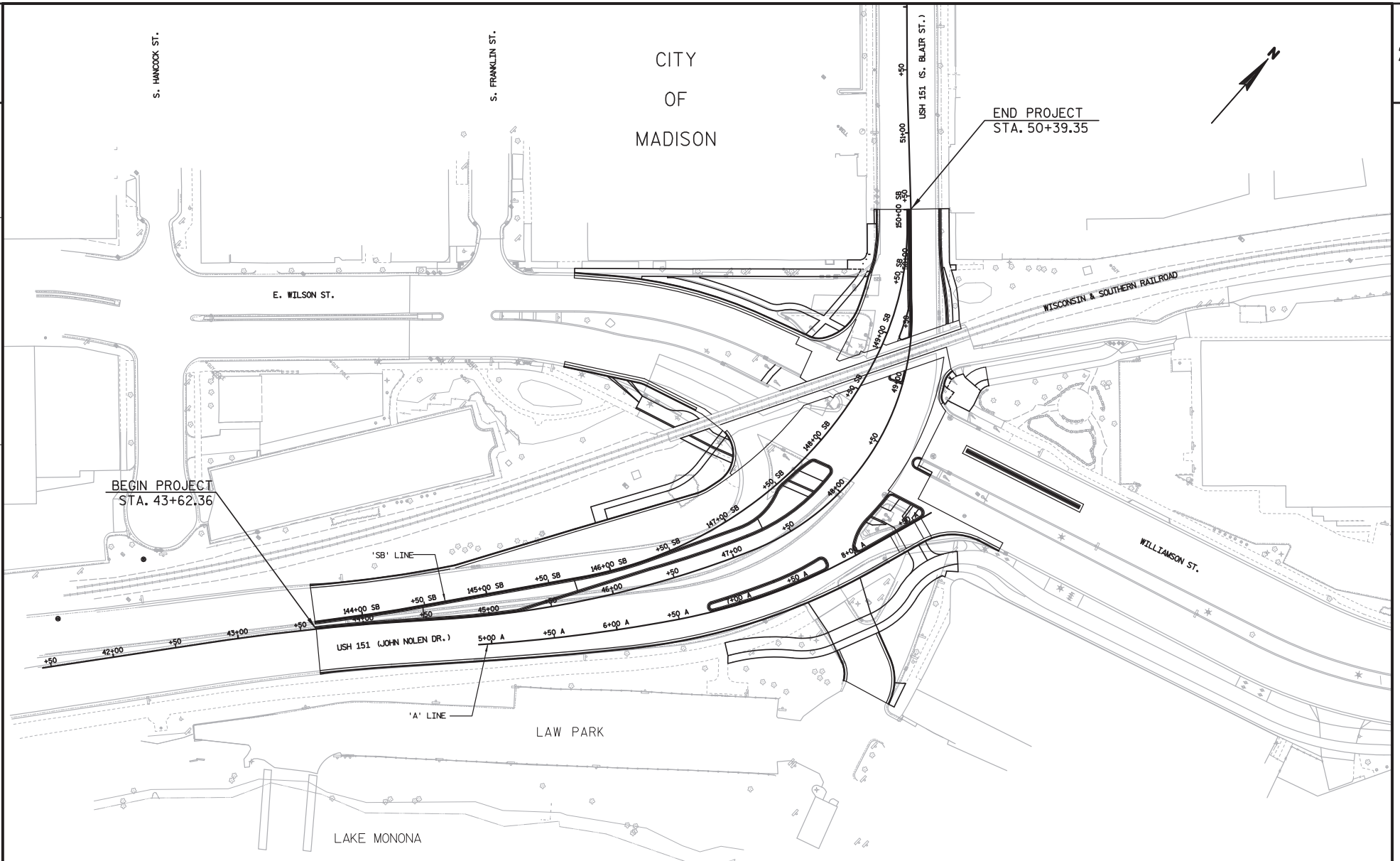
DATE: \_\_\_\_\_  
(Signature)

E

PRELIMINARY - JULY 2020

2

2



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

PROJECT OVERVIEW

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\020201\_po.dgn

PLOT DATE : 7/23/2020

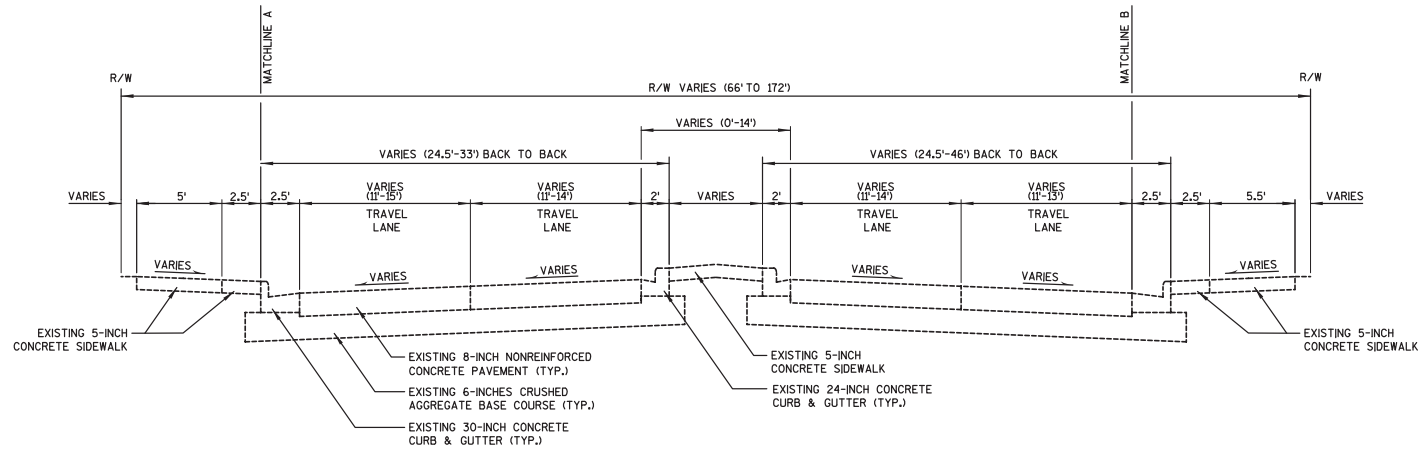
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PLOT NAME :

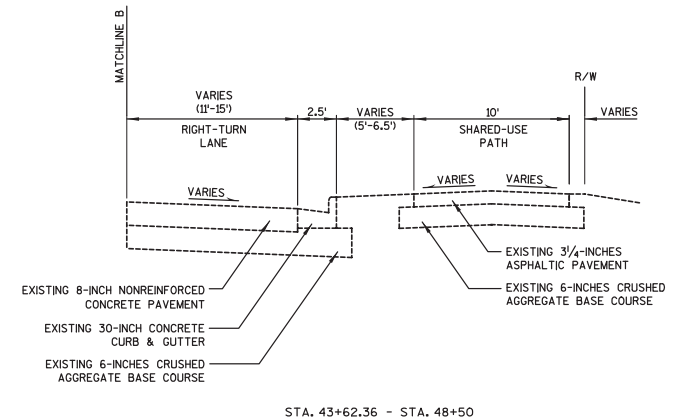
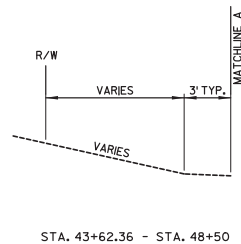
PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 42

2

2



**TYPICAL EXISTING SECTION - USH 151**  
STA. 43+62.36 - STA. 50+39.35



STA. 43+62.36 - STA. 48+50

PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

EXISTING TYPICAL SECTION

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\020301.ts.dgn

PLOT DATE : 7/23/2020

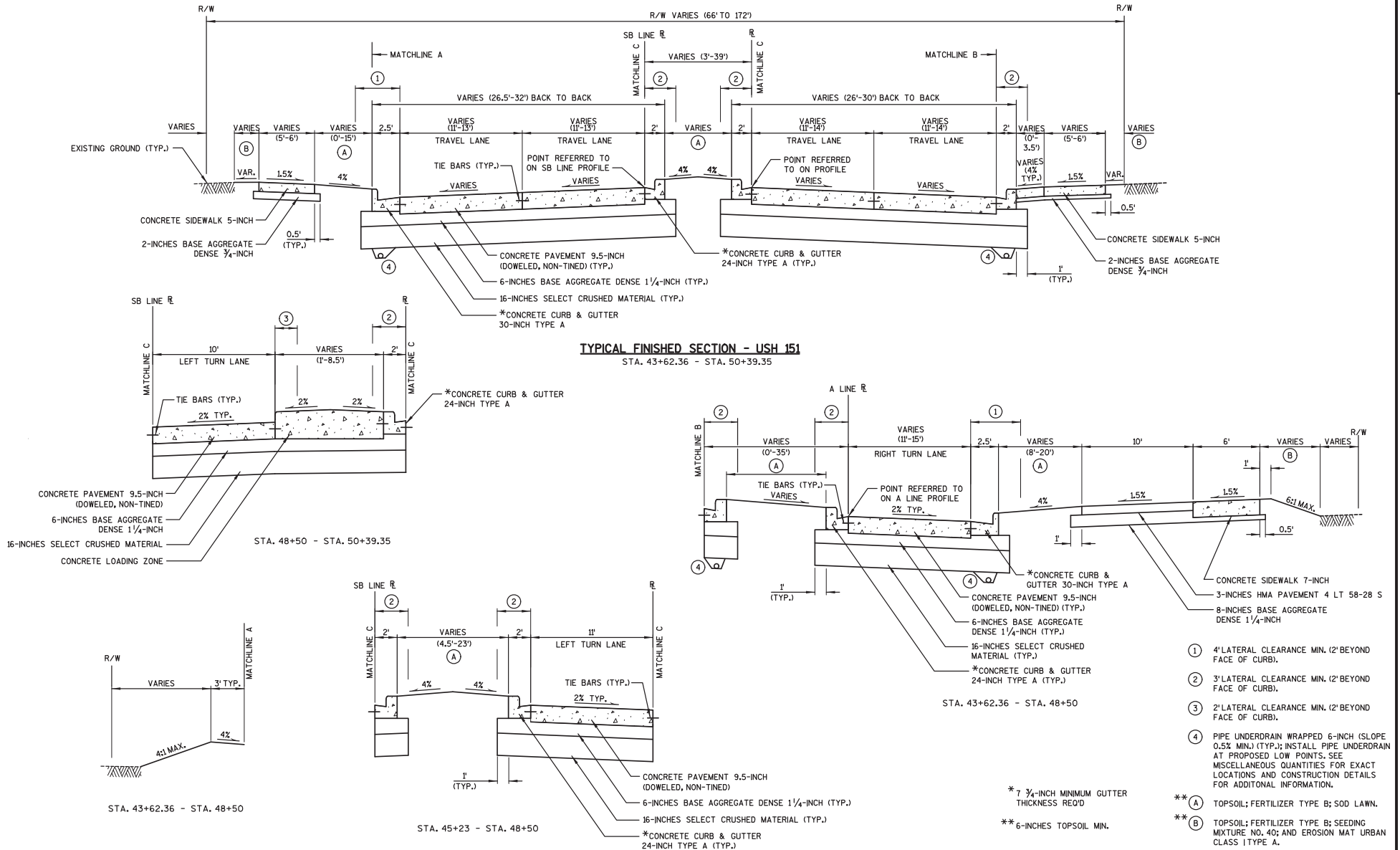
PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADD SHEET 42

2

2



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

TYPICAL FINISHED SECTIONS

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosof\Plan\020301\_1.fs.dgn

PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADD SHEET 42

PRELIMINARY - JULY 2020

2

2

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
	TRAFFIC FLOW	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A (REVERSE SLOPE GUTTER)
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE	CG-36A	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
	WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
	SLOPE INTERCEPTS	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING ASPHALT		
	SAWING CONCRETE		
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
HMA-9.5	9.5-INCHES HMA PAVEMENT 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH 16-INCHES SELECT CRUSHED MATERIAL		

USH 151 (JOHN NOLEN DR.)

BEGIN CONSTRUCTION  
STA. 143+62.09 SB

BEGIN PROJECT  
STA. 43+62.36

LAKE MONONA

S. HANCOCK ST.

WISCONSIN & SOUTHERN RAILROAD

LAW PARK

MATCHLINE  
STA. 146+00 SB

MATCHLINE  
STA. 146+00

MATCHLINE  
STA. 6+00 A

PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

PLAN DETAIL

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\021201\_pd.dgn

PLOT DATE : 7/23/2020

PLOT BY : \_username\_

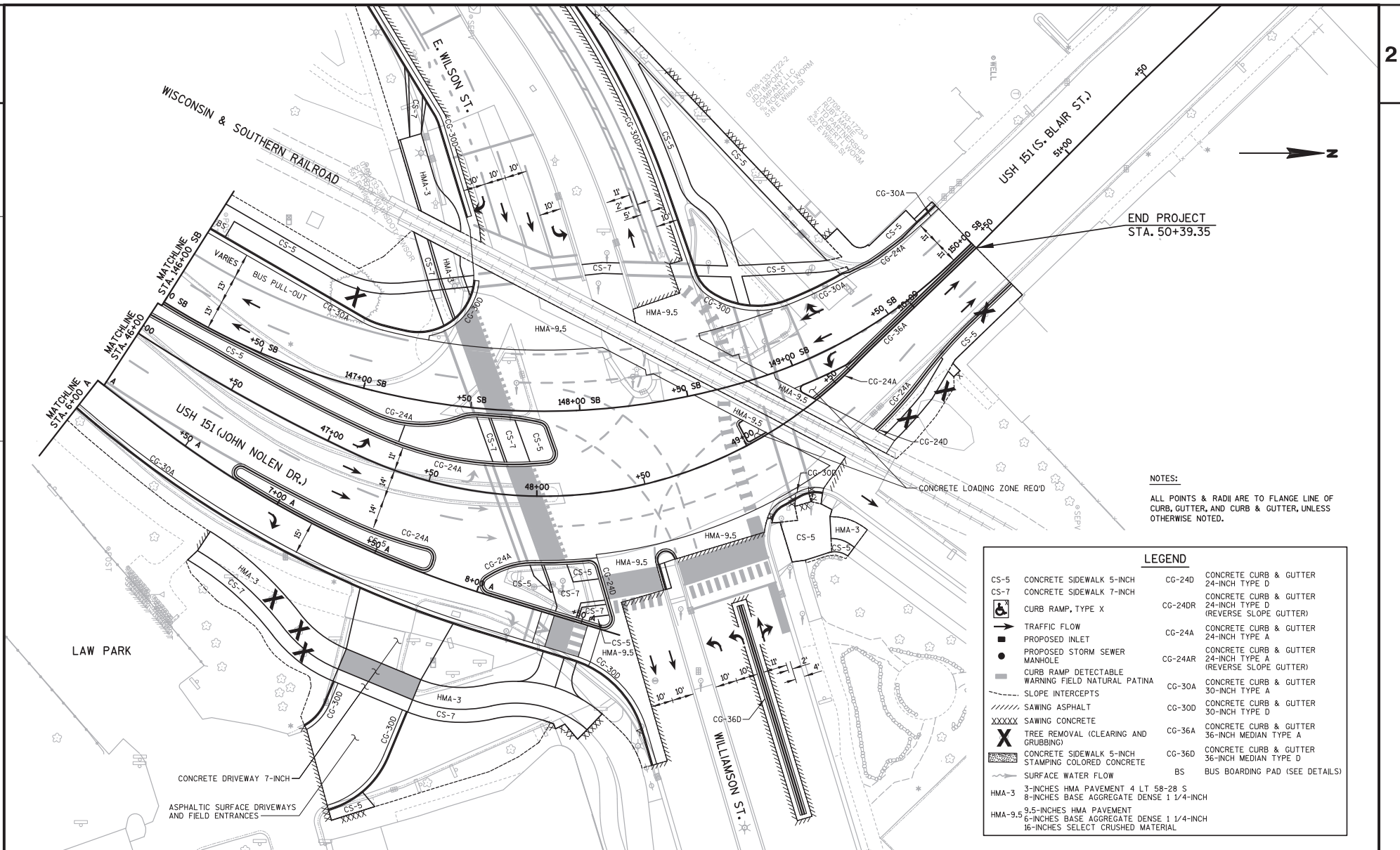
PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADD SHEET 42



2

2



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

PLAN DETAIL

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\021202\_pd.dgn

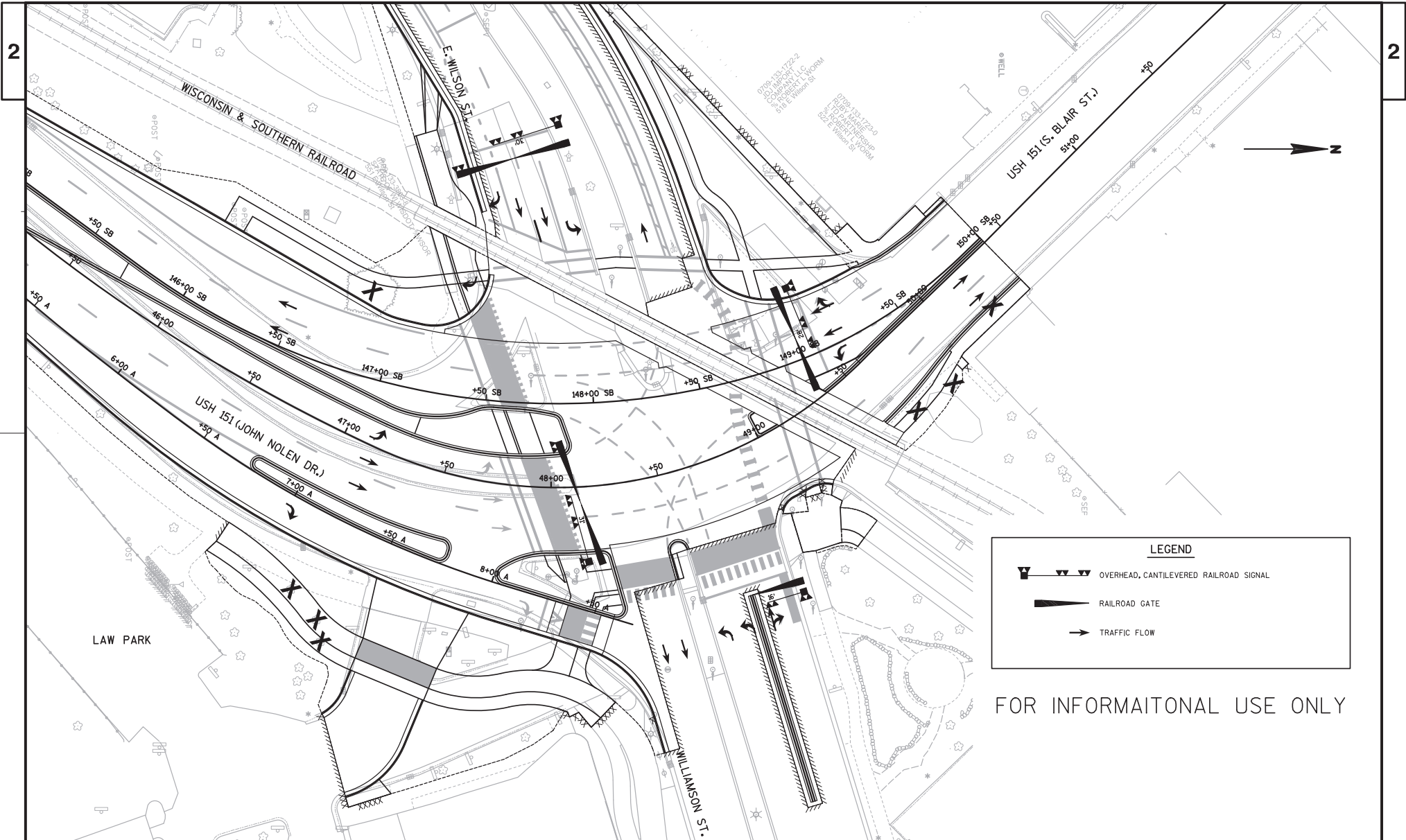
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 42

PRELIMINARY - JULY 2020



**LEGEND**

- OVERHEAD, CANTILEVERED RAILROAD SIGNAL
- RAILROAD GATE
- TRAFFIC FLOW

FOR INFORMATIONAL USE ONLY

2

2

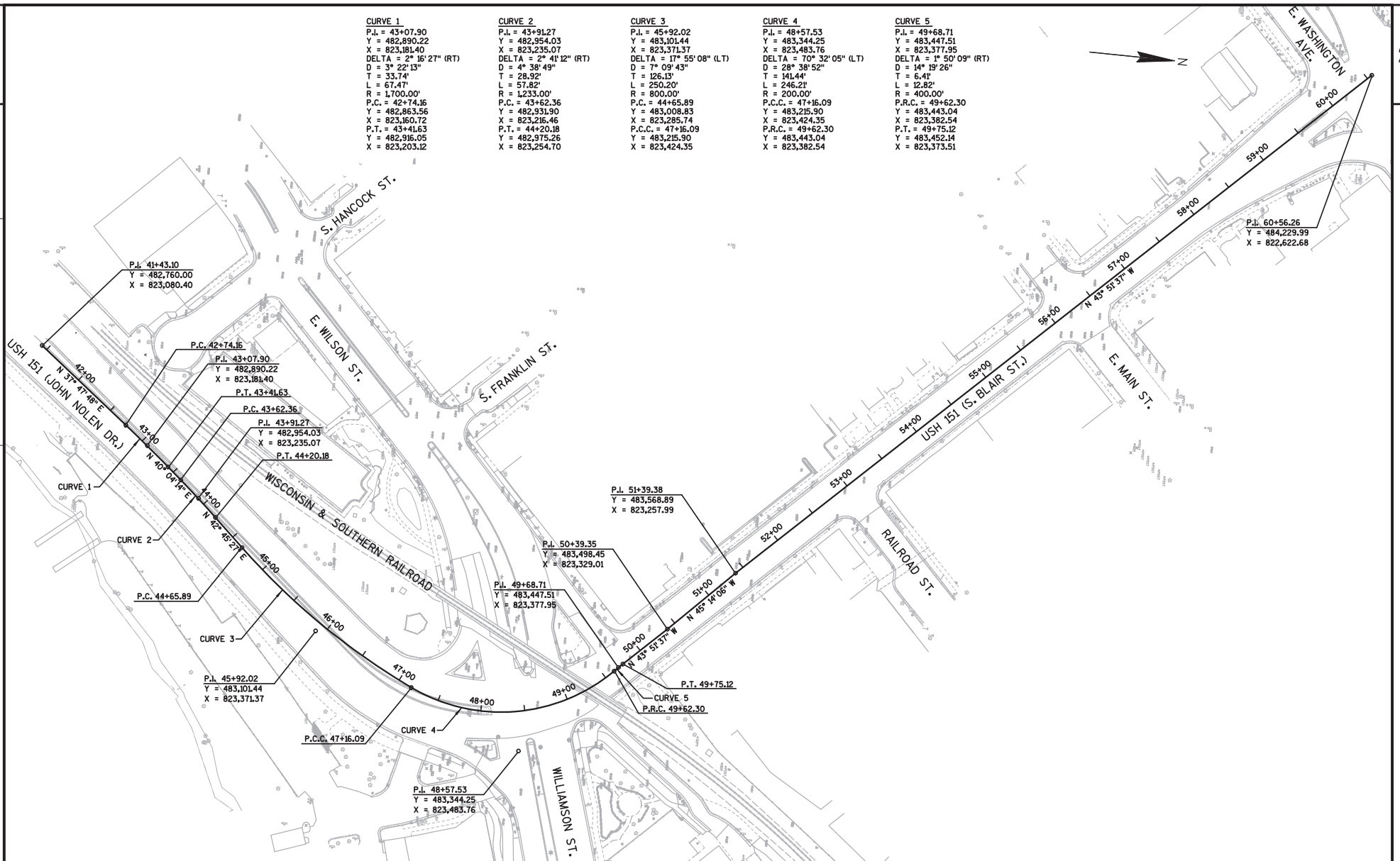
CURVE 1  
 P.I. = 43+07.90  
 Y = 482,890.22  
 X = 823,181.40  
 DELTA = 2° 16' 27" (RT)  
 D = 3° 22' 13"  
 T = 33.74'  
 L = 67.47'  
 R = 1700.00'  
 P.C. = 42+74.16  
 Y = 482,863.56  
 X = 823,160.72  
 P.T. = 43+41.63  
 Y = 482,916.05  
 X = 823,203.12

CURVE 2  
 P.I. = 43+91.27  
 Y = 482,954.03  
 X = 823,235.07  
 DELTA = 2° 41' 12" (RT)  
 D = 4° 38' 49"  
 T = 28.92'  
 L = 57.82'  
 R = 1233.00'  
 P.C. = 43+62.36  
 Y = 482,931.90  
 X = 823,216.46  
 P.T. = 44+20.18  
 Y = 482,975.26  
 X = 823,254.70

CURVE 3  
 P.I. = 45+92.02  
 Y = 483,101.44  
 X = 823,371.37  
 DELTA = 17° 55' 08" (LT)  
 D = 7° 09' 43"  
 T = 126.13'  
 L = 250.20'  
 R = 800.00'  
 P.C. = 44+65.89  
 Y = 483,008.83  
 X = 823,285.74  
 P.C.C. = 47+16.09  
 Y = 483,215.90  
 X = 823,424.35

CURVE 4  
 P.I. = 48+57.53  
 Y = 483,344.25  
 X = 823,483.76  
 DELTA = 70° 32' 05" (LT)  
 D = 28° 39' 52"  
 T = 141.44'  
 L = 246.21'  
 R = 200.00'  
 P.C.C. = 47+16.09  
 Y = 483,215.90  
 X = 823,424.35  
 P.R.C. = 49+62.30  
 Y = 483,443.04  
 X = 823,382.54

CURVE 5  
 P.I. = 49+68.71  
 Y = 483,447.51  
 X = 823,377.95  
 DELTA = 1° 50' 09" (RT)  
 D = 14° 19' 26"  
 T = 6.41'  
 L = 12.82'  
 R = 400.00'  
 P.R.C. = 49+62.30  
 Y = 483,443.04  
 X = 823,382.54  
 P.T. = 49+75.12  
 Y = 483,452.14  
 X = 823,373.51



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

ALIGNMENT DATA - MAINLINE

SHEET

E

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PLOT DATE : 7/23/2020

PLOT BY : \_username\_

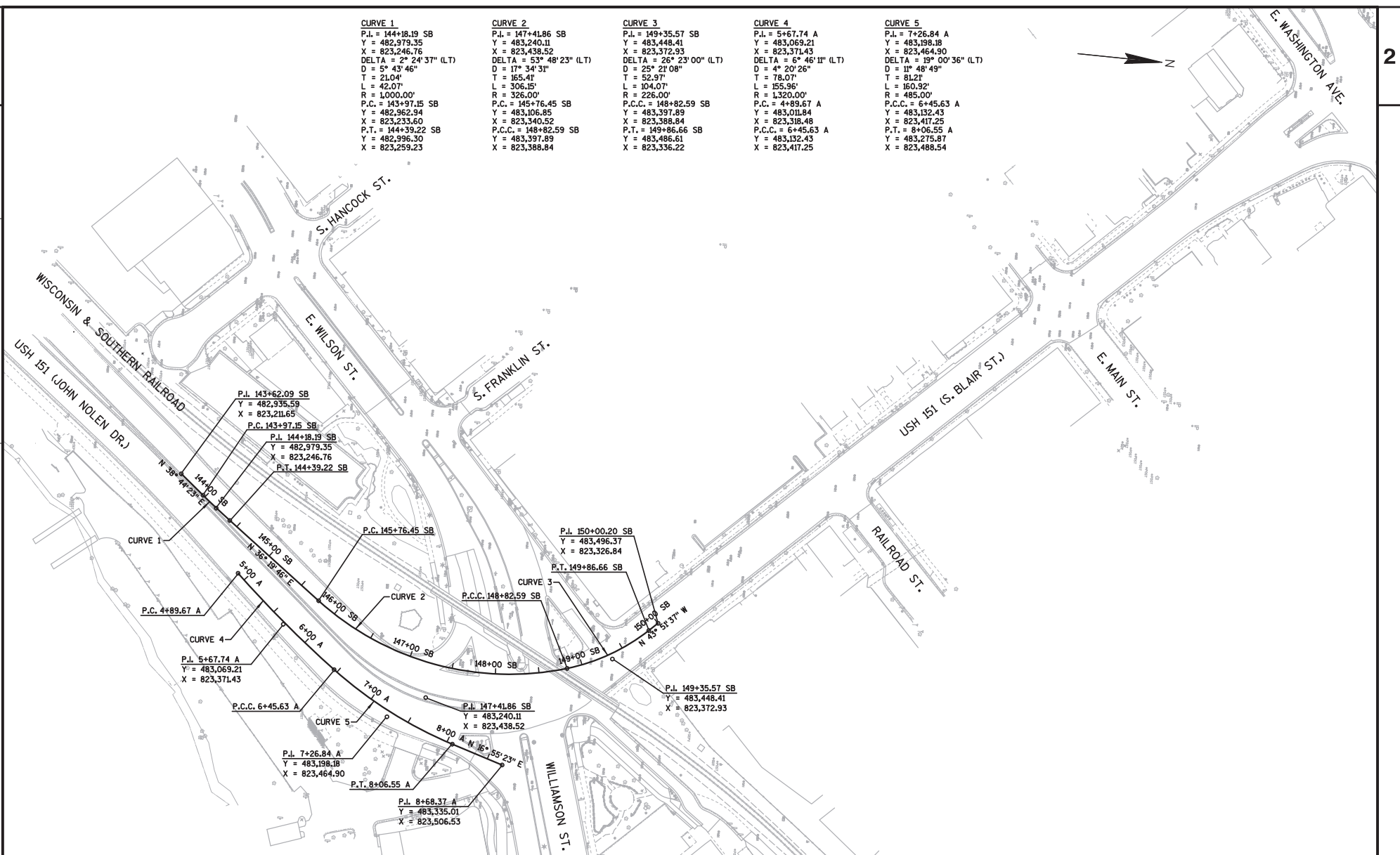
PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 42



2

2



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

ALIGNMENT DATA - SB LINE AND A LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\027202--ad.dgn

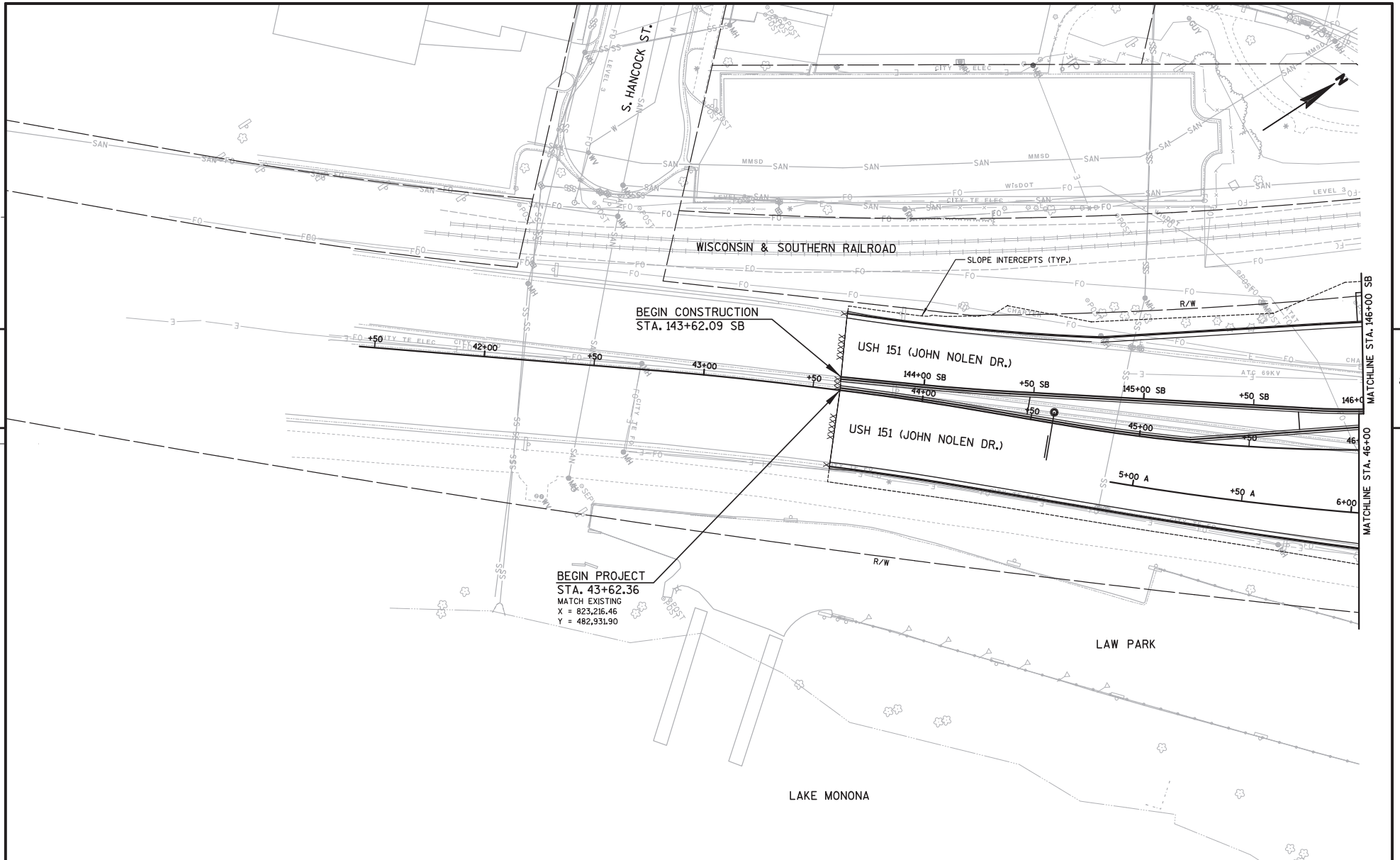
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADD SHEET 42

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

PLAN - USH 151

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\050101\_pp.dgn

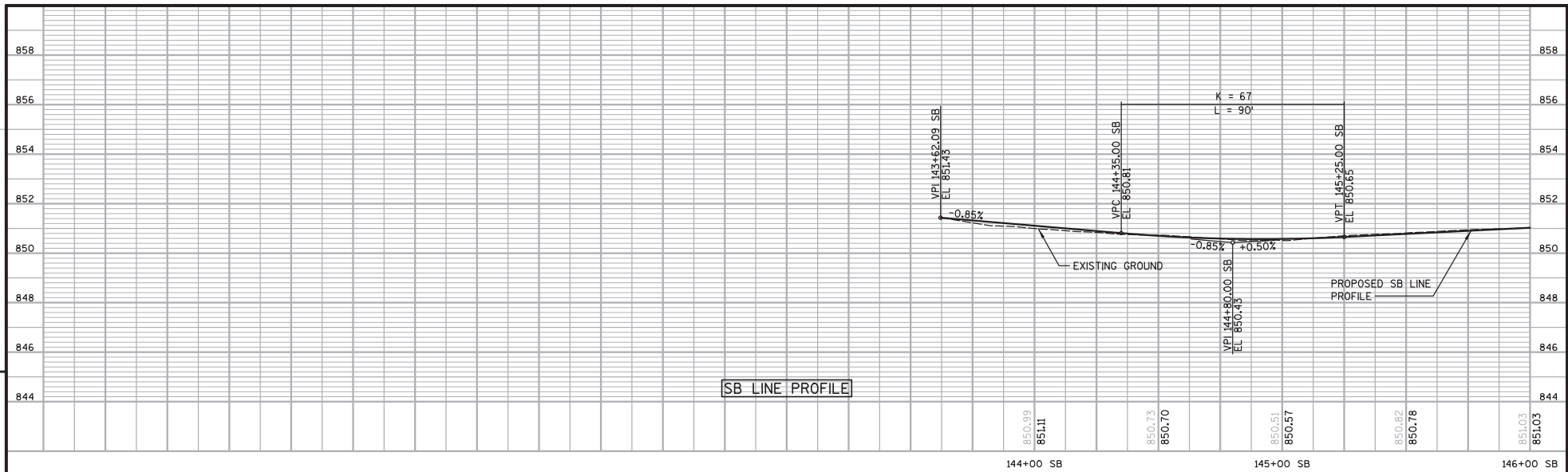
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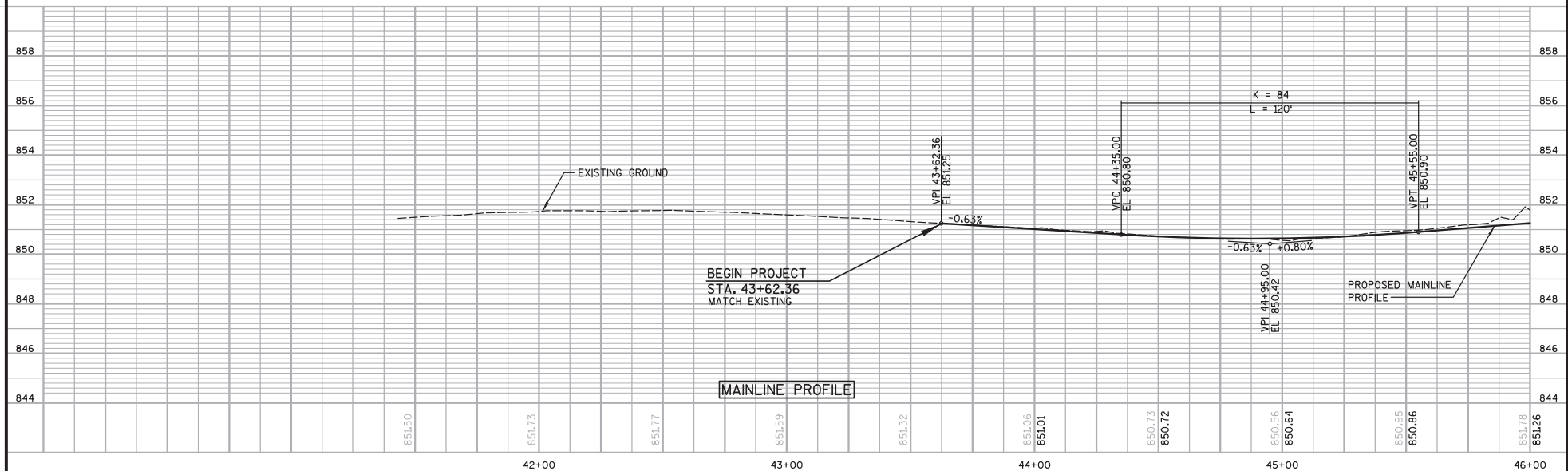
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PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 44

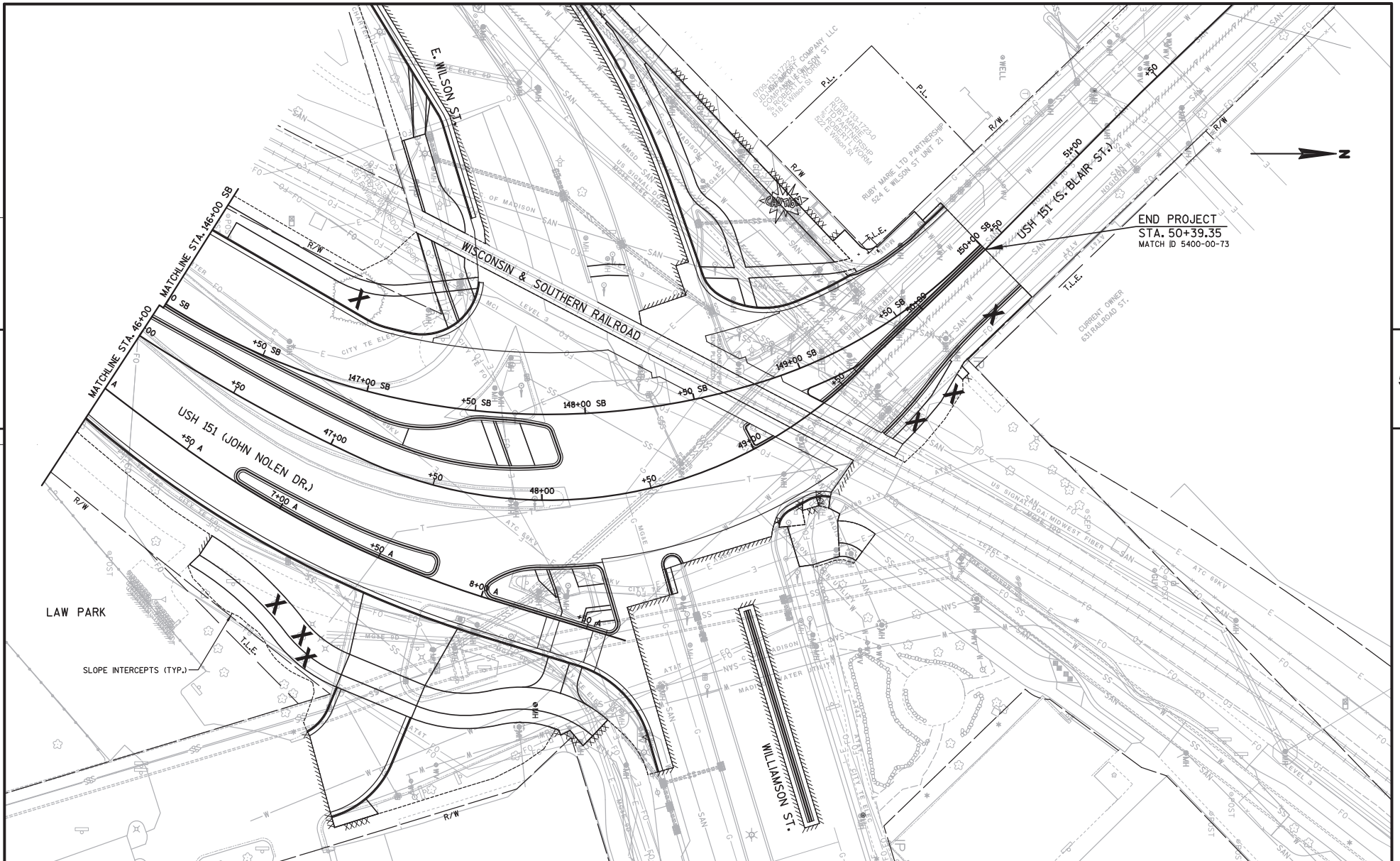
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5



PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

PLAN - USH 151

SHEET

E

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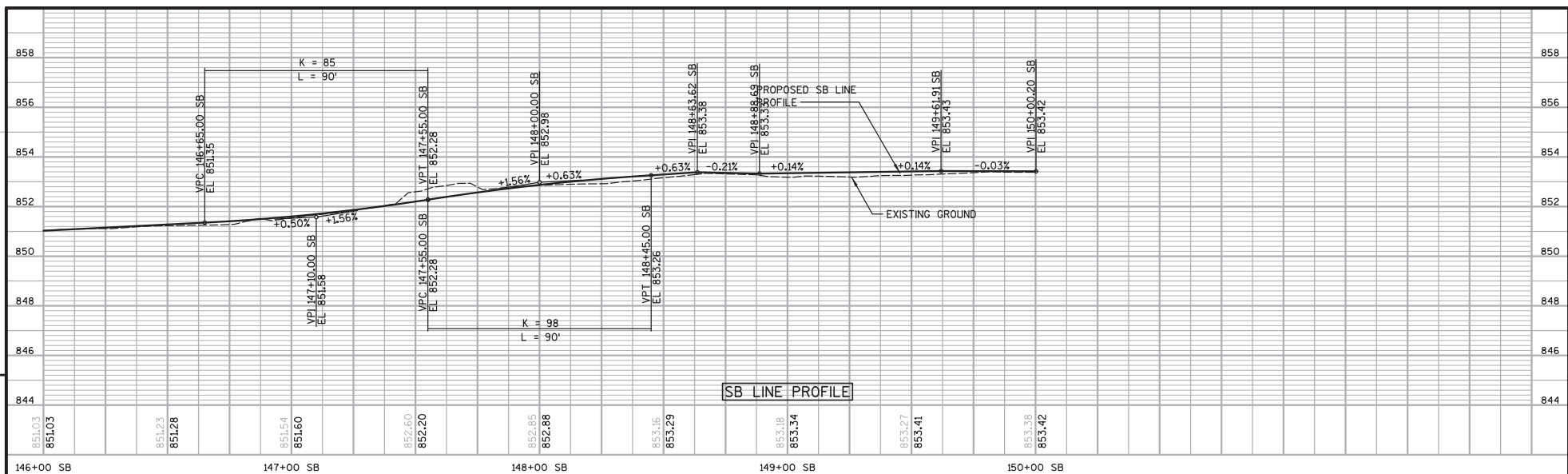
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PLOT NAME :

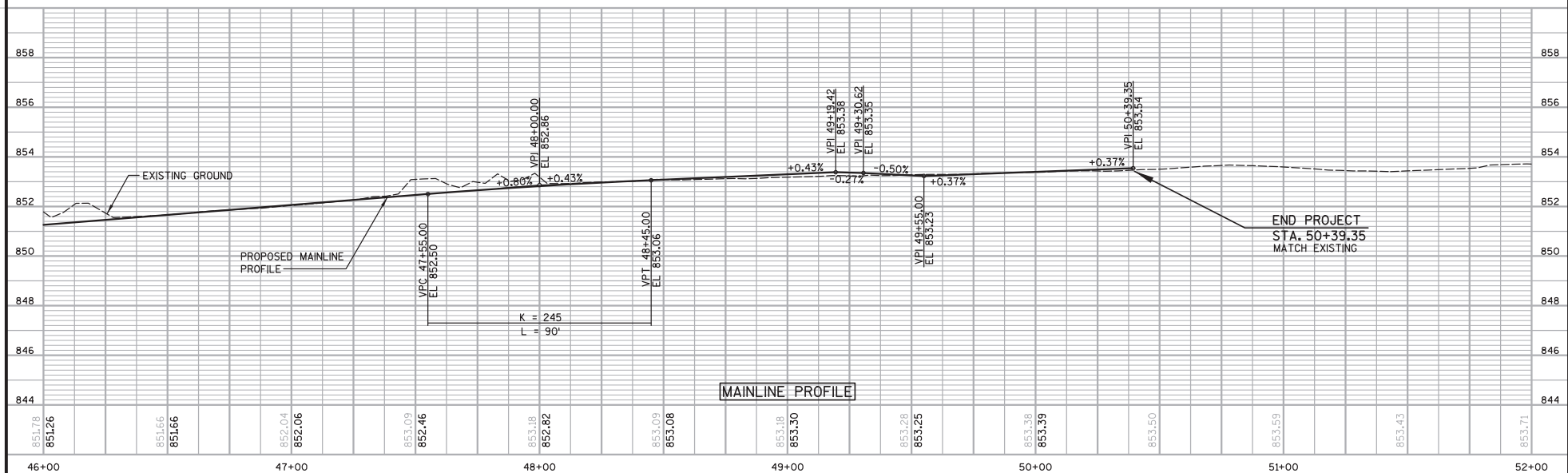
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5



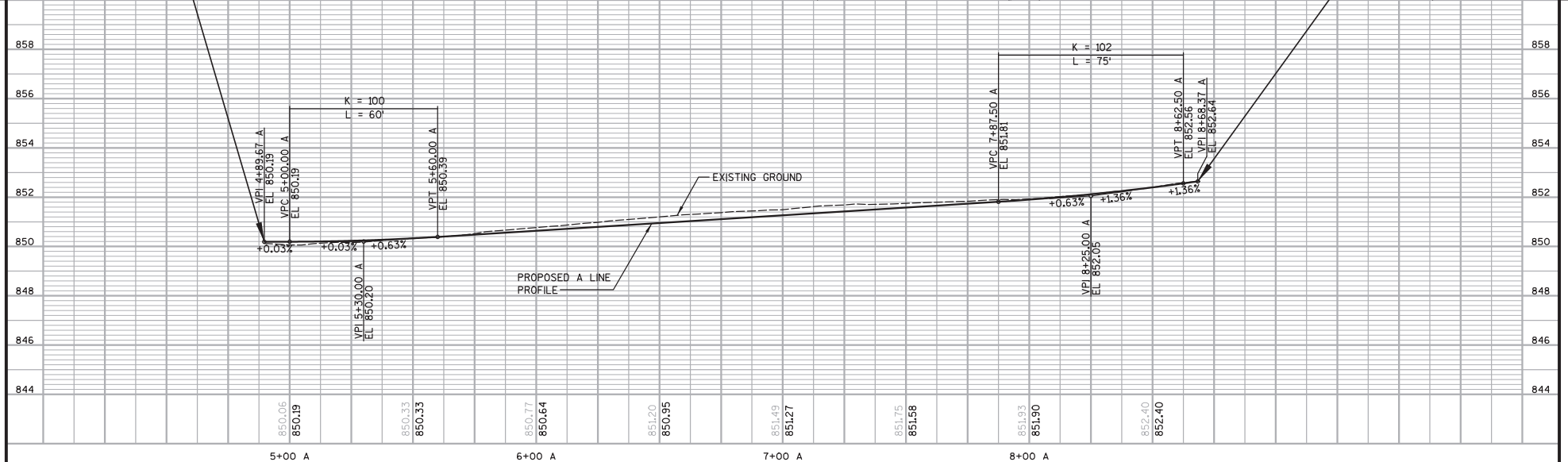
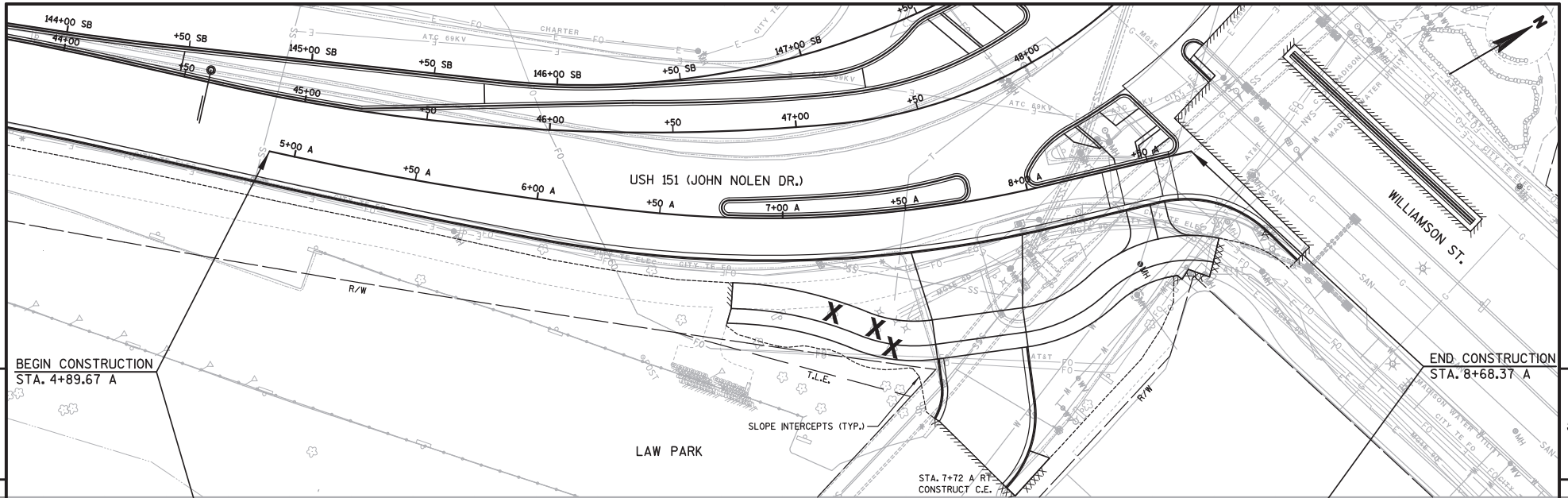
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PROJECT NO: 5400-00-72      HWY: USH 151      COUNTY: DANE      PROFILES - USH 151      SHEET      E



PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN AND PROFILE - A LINE	SHEET	E
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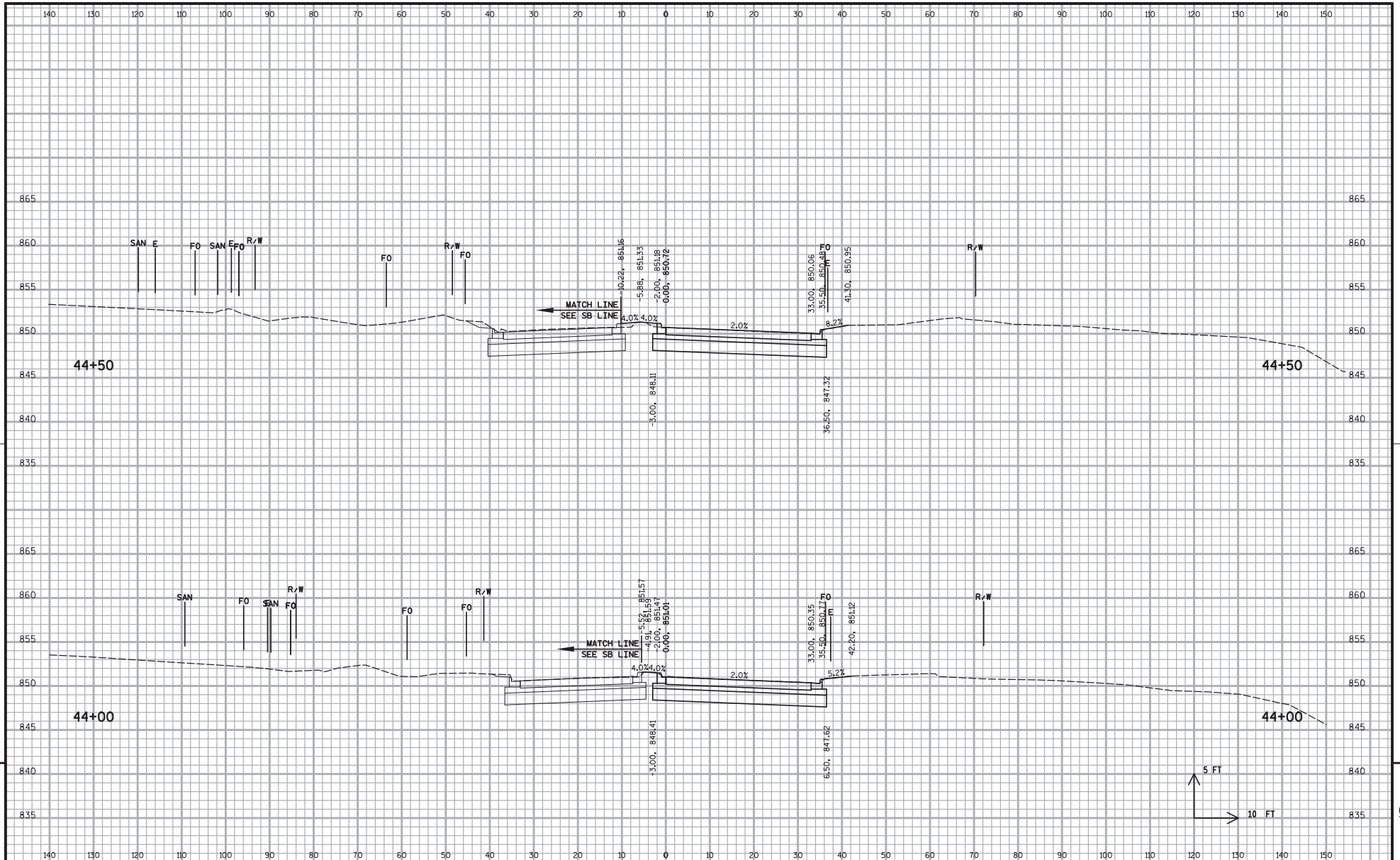
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PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 30



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - MAINLINE

SHEET

E

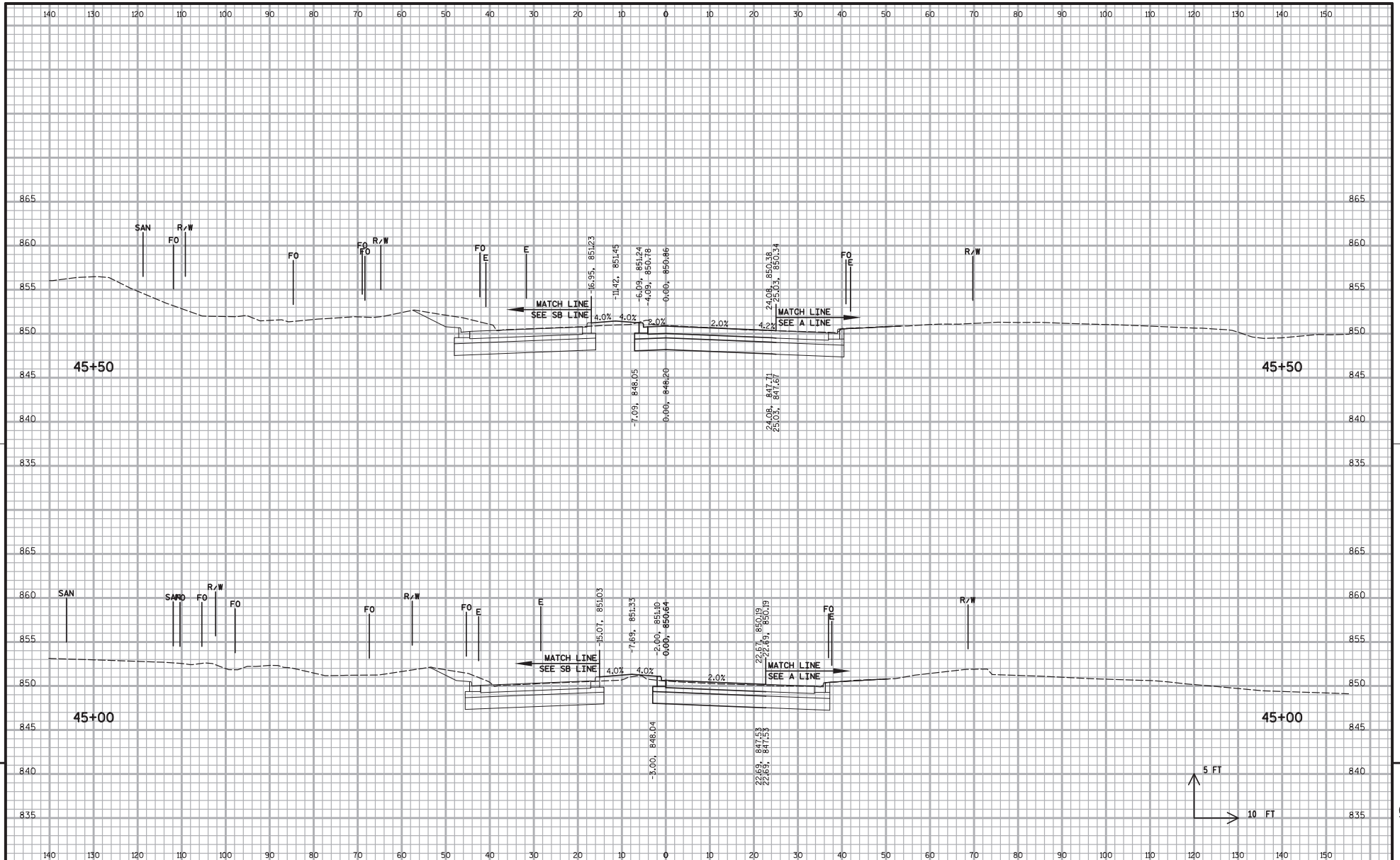
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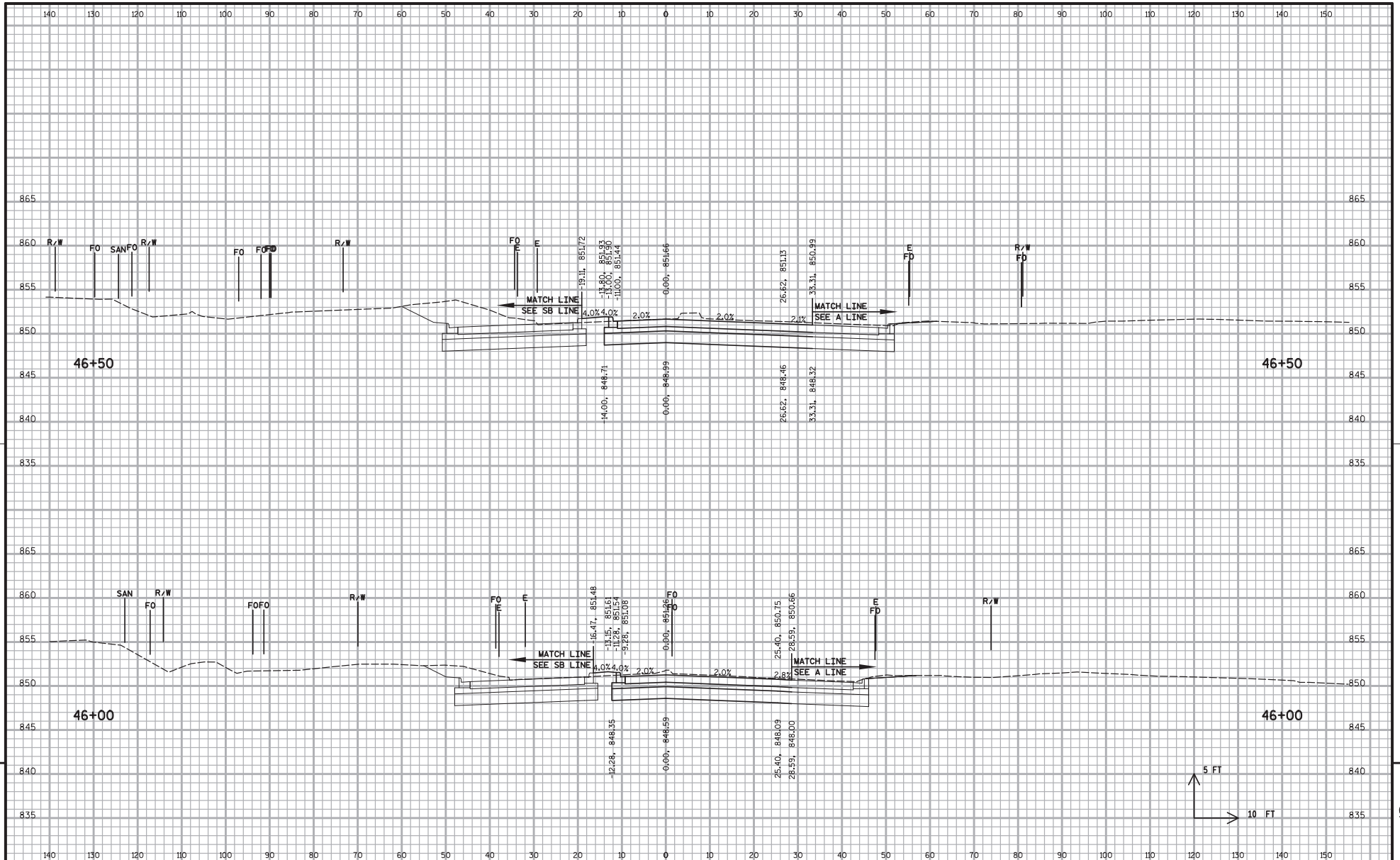
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21





PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - MAINLINE

SHEET

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FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\090201\_xs.m1.dgn

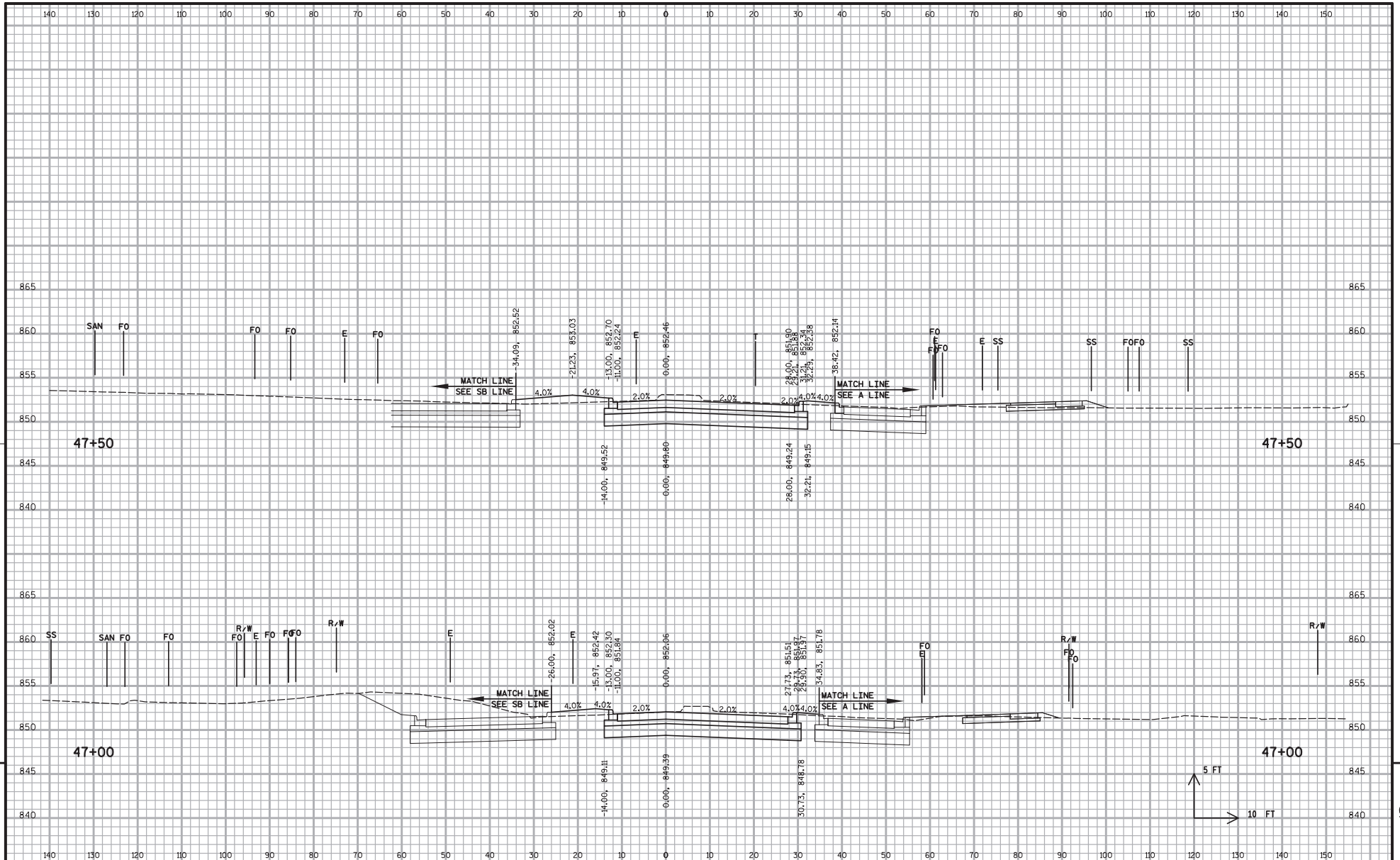
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - MAINLINE

SHEET

E

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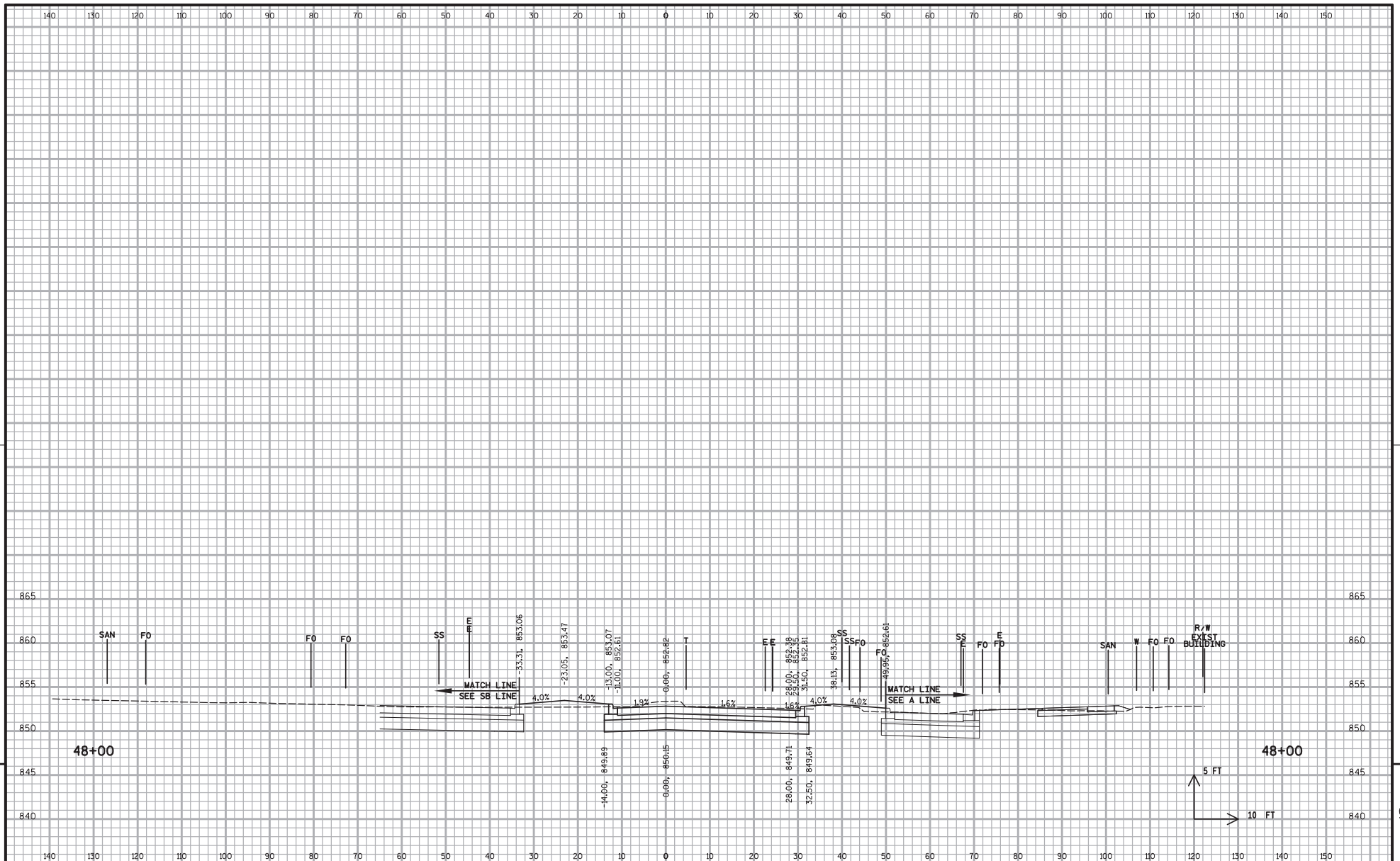
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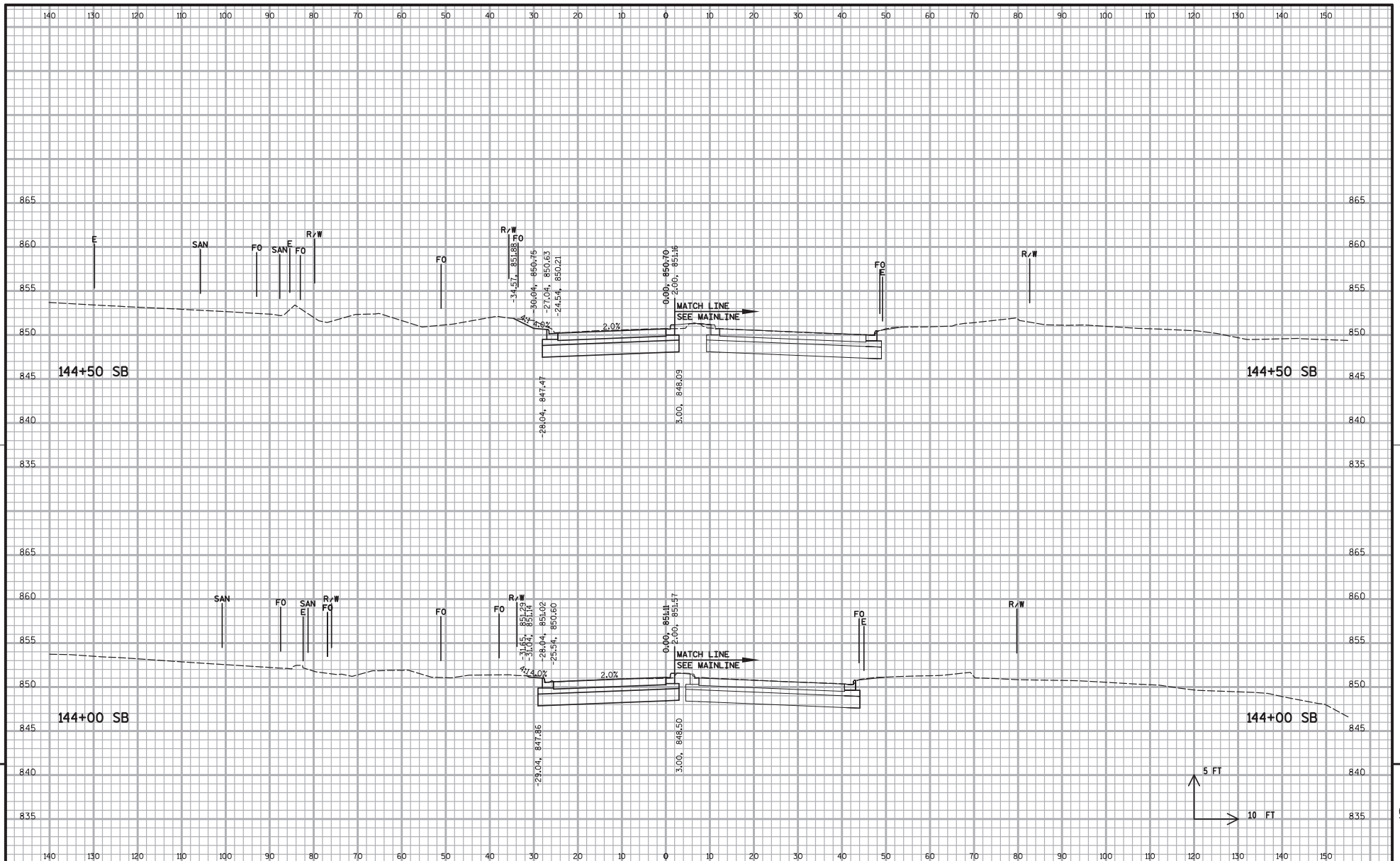
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PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21







PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - SB LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\090202...xs\_sb.dgn

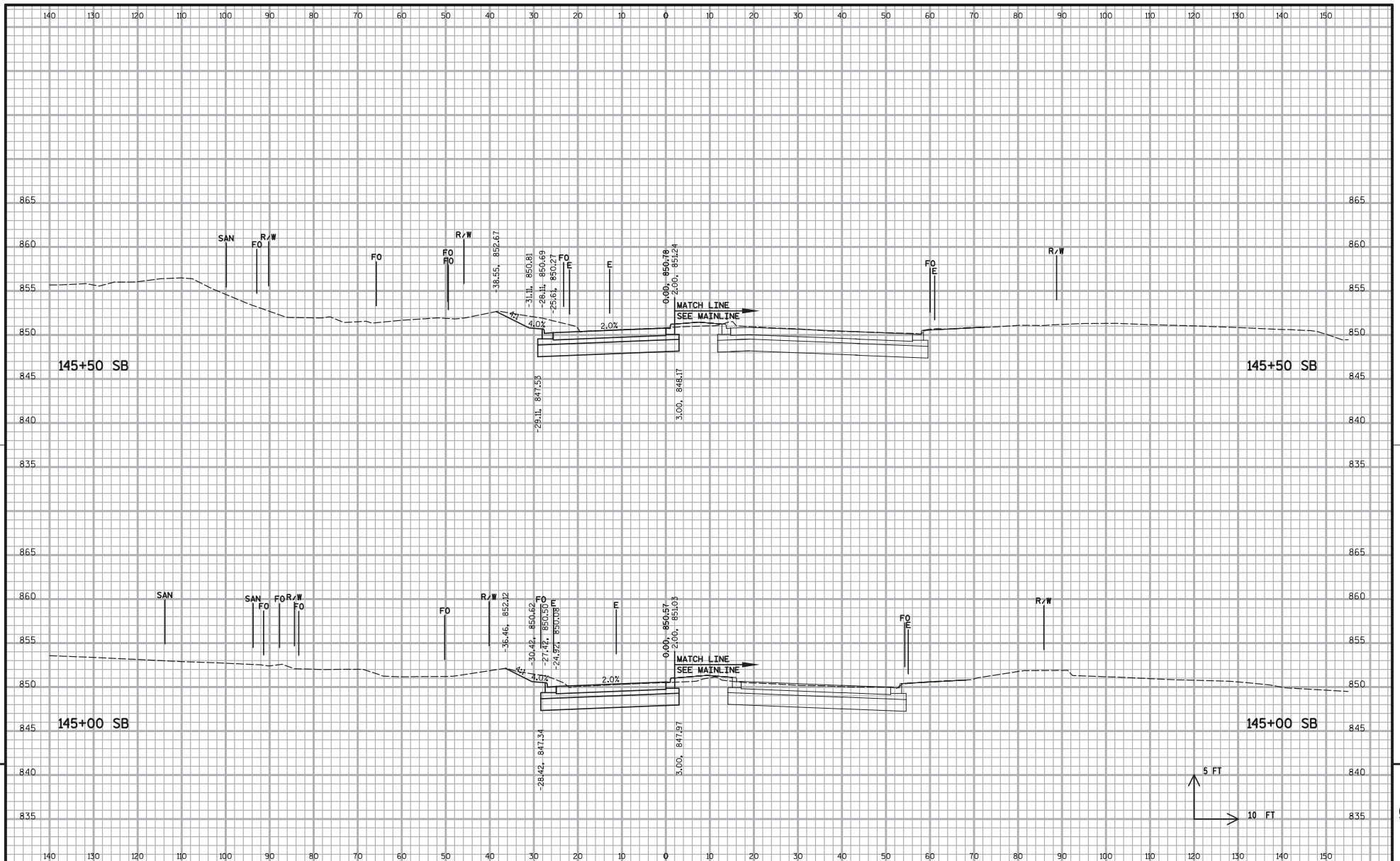
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - SB LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcro\Plan\090202...xs\_sb.dgn

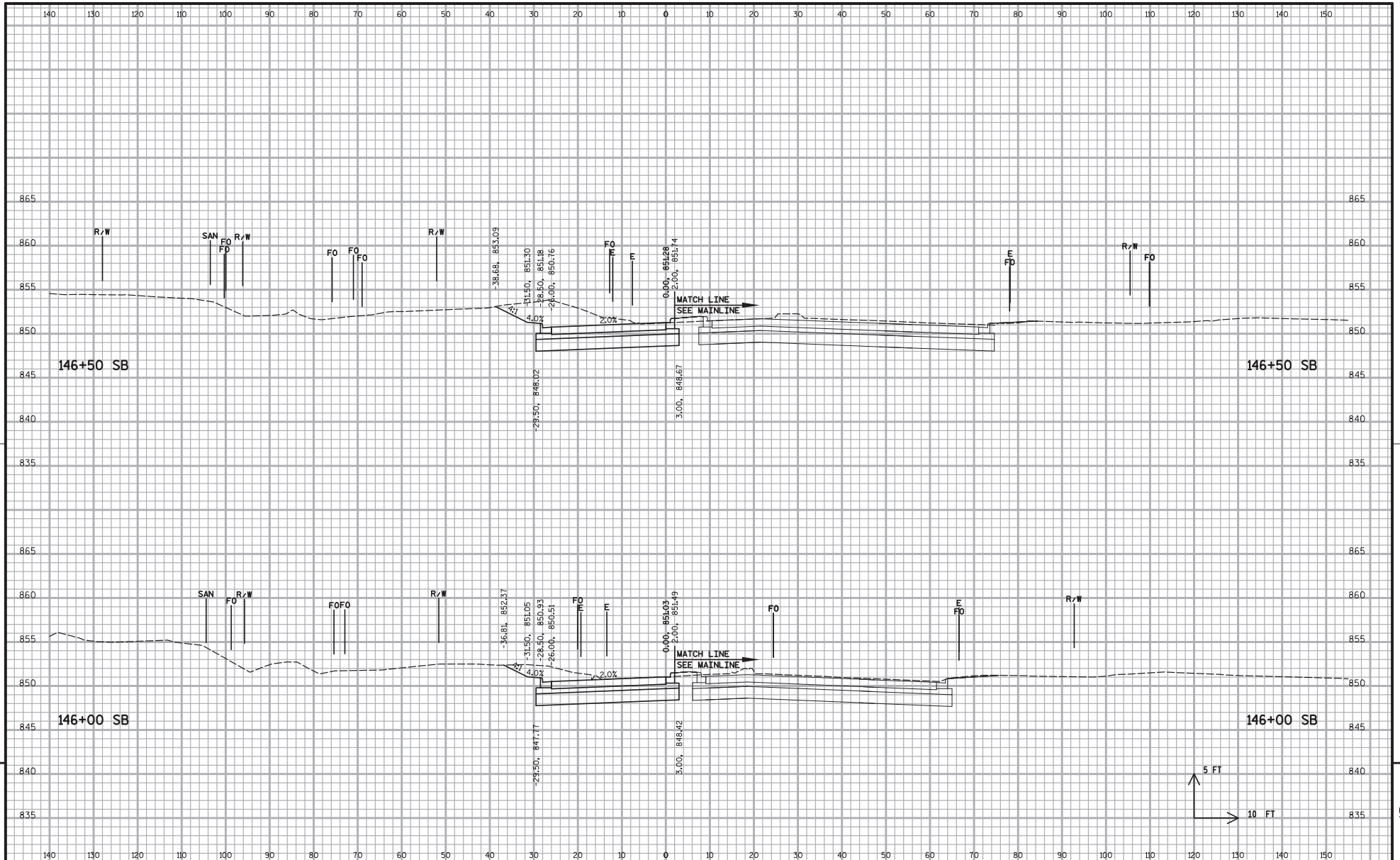
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PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - SB LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MicroStation\090202-xs\_sb.dgn

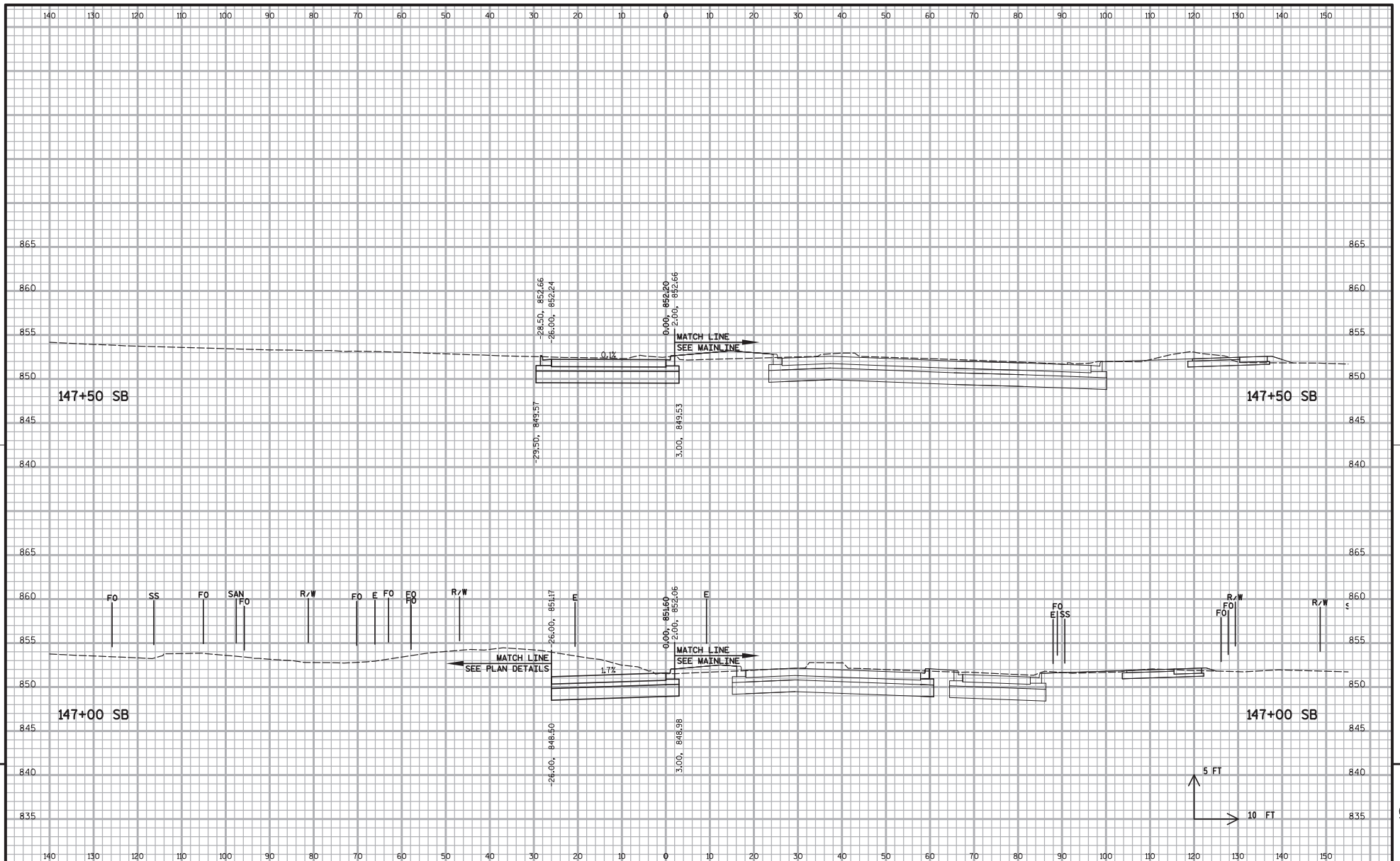
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PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - SB LINE

SHEET

E

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PLOT DATE : 7/23/2020

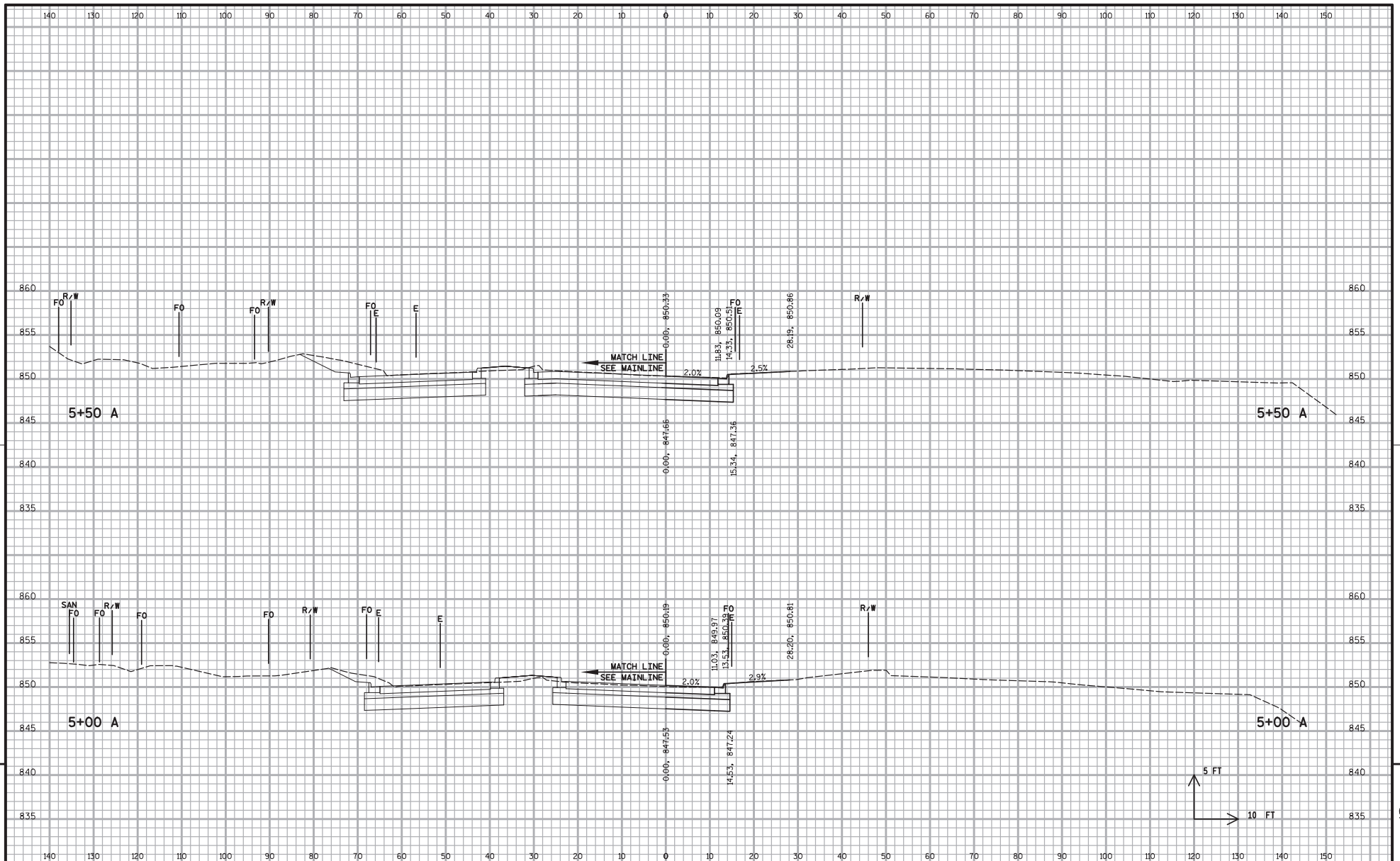
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PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21



PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - A LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\P1an\090203\_xa-a.dgn

PLOT DATE : 7/23/2020

PLOT BY : \_username\_

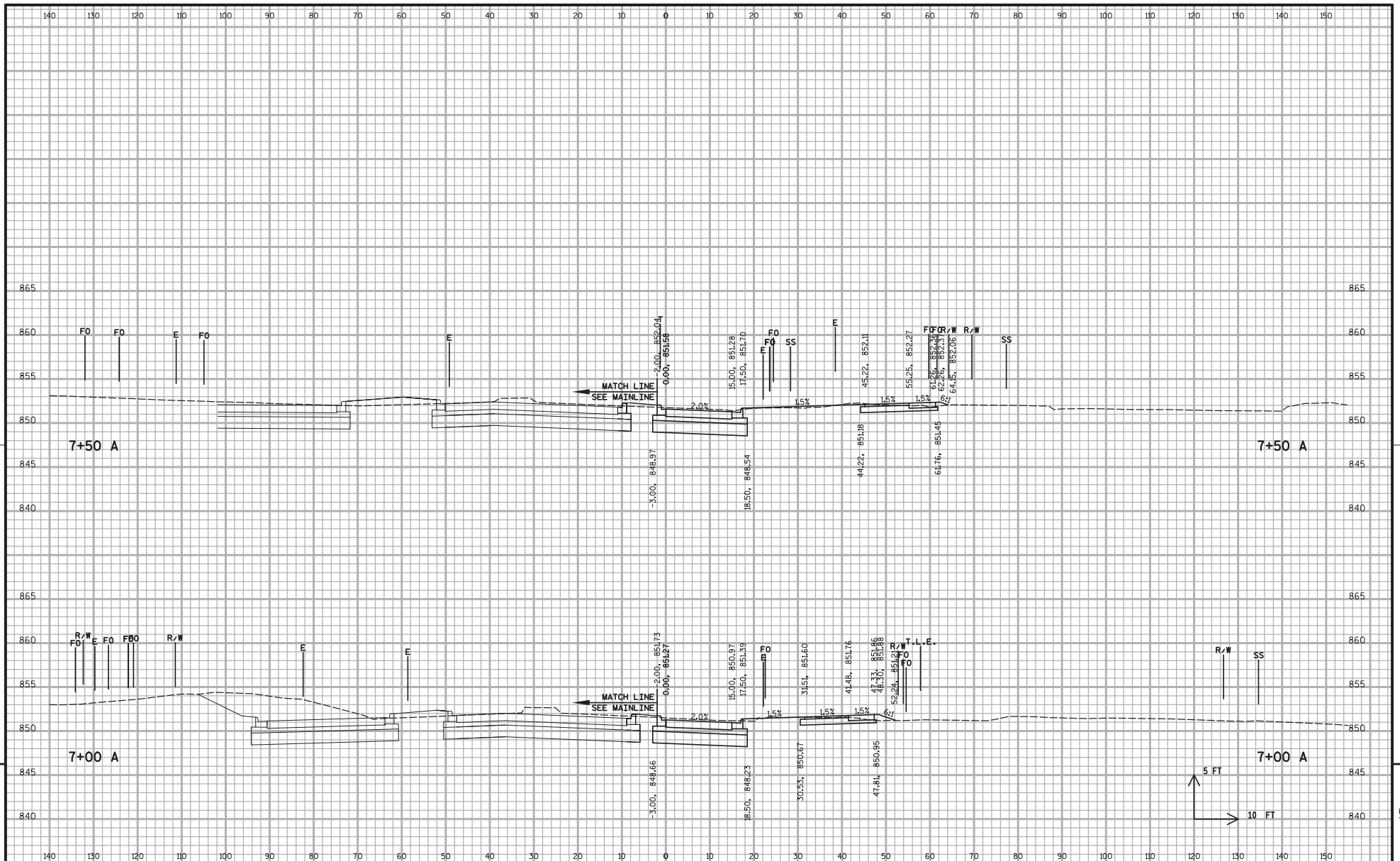
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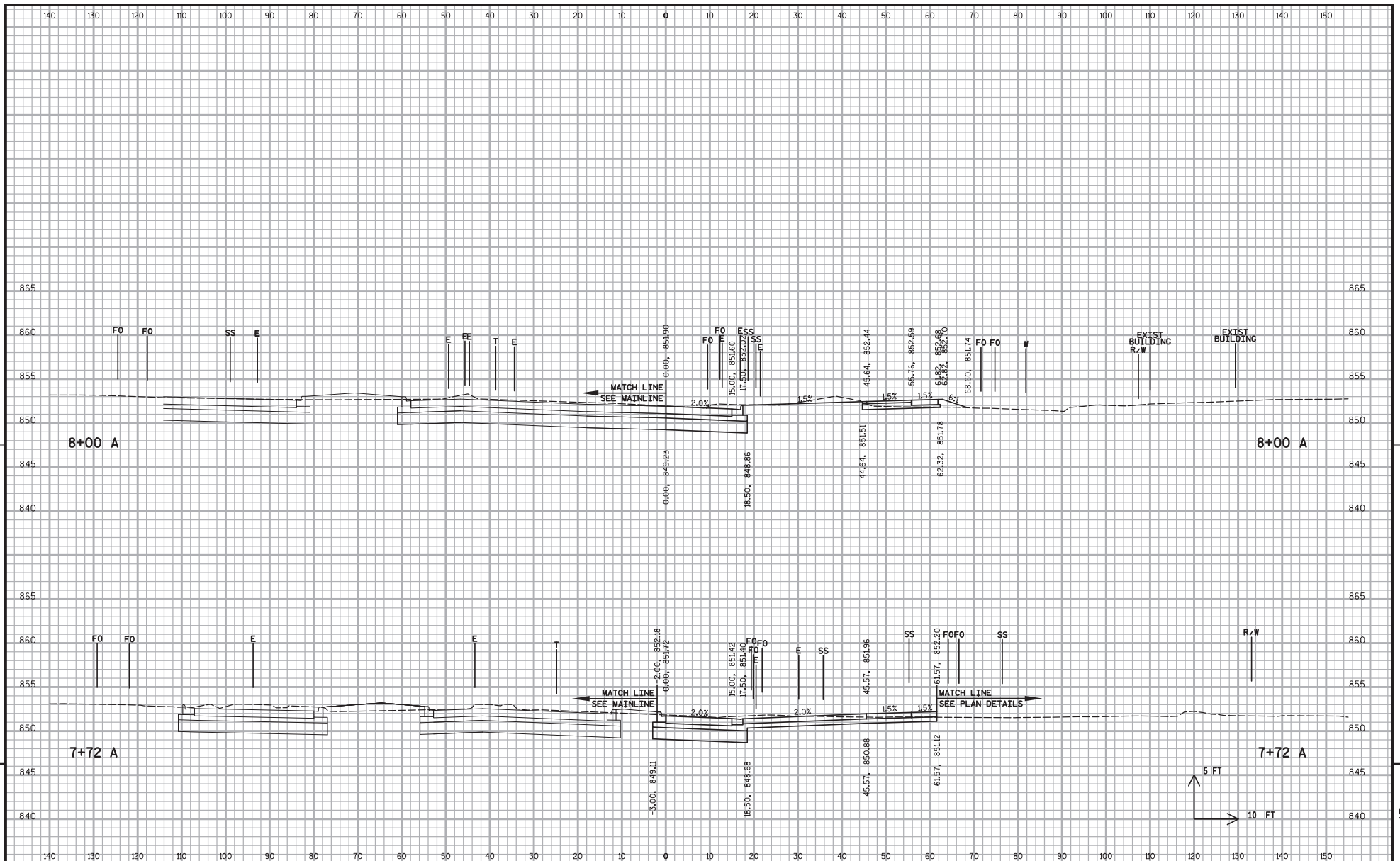
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PLOT SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADD SHEET 21

PRELIMINARY - JULY 2020



PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

CROSS SECTIONS - A LINE

SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\090203\_xa-a.dgn

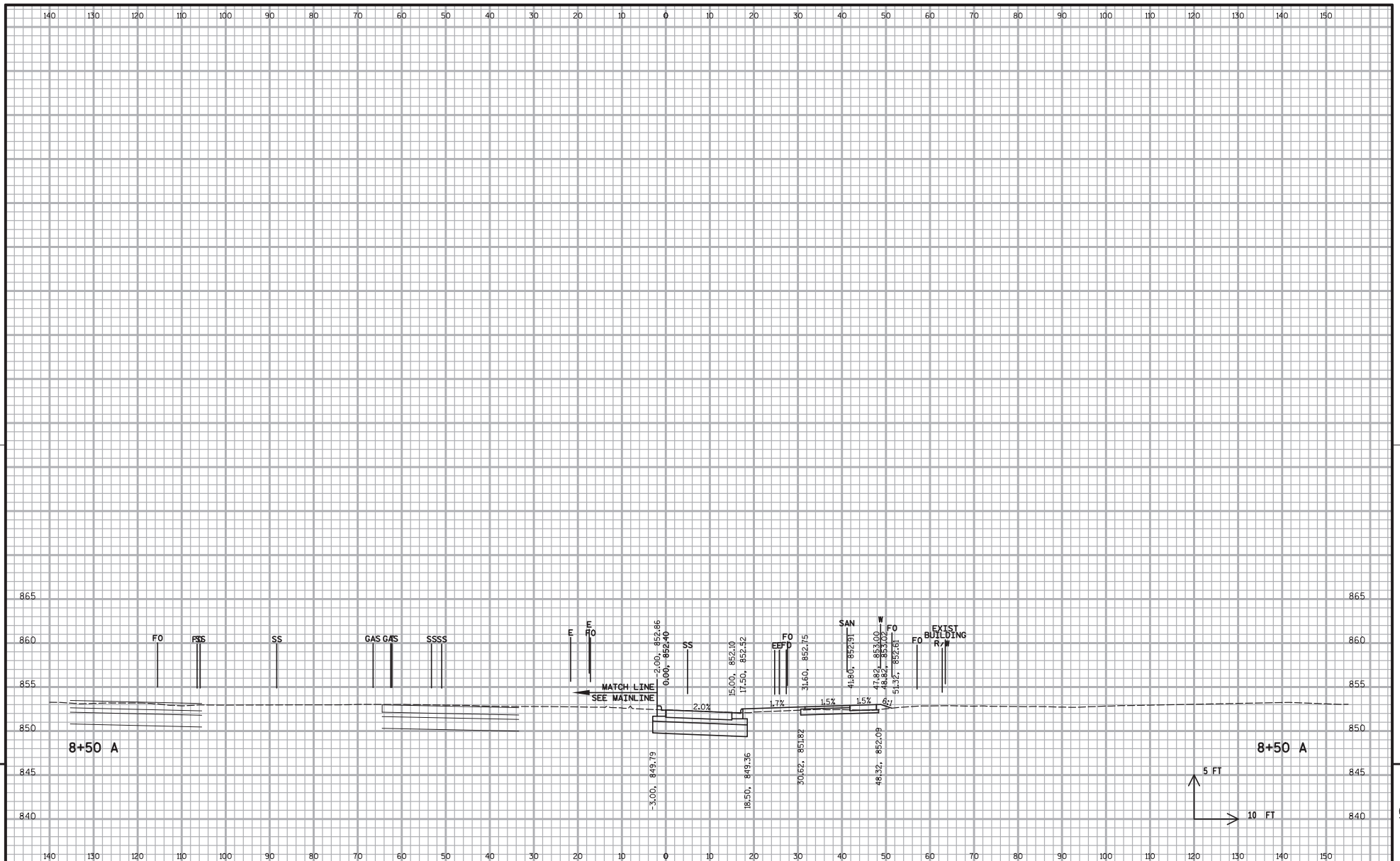
PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21

PRELIMINARY - JULY 2020



PROJECT NO: 5400-00-72 HWY: USH 151 COUNTY: DANE CROSS SECTIONS - A LINE SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\MIcrosoft\Plan\090203\_xs\_a.dgn

PLOT DATE : 7/23/2020

PLOT BY : \_username\_

PLOT NAME :

PLOT SCALE : \*\*.....plotscale.....\*\* WISDOT/CADDs SHEET 21