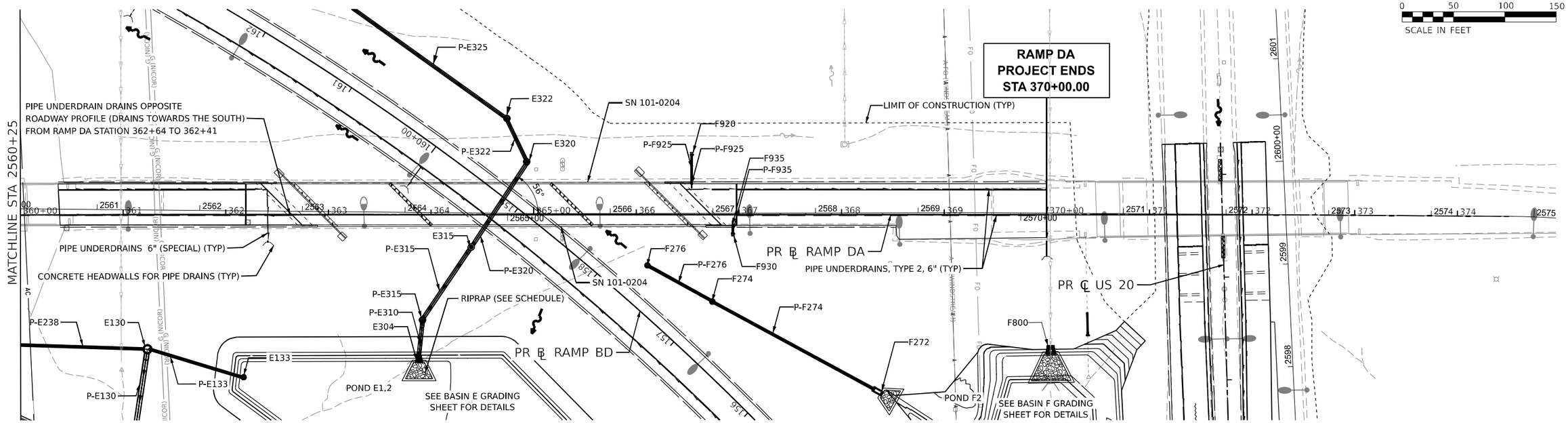
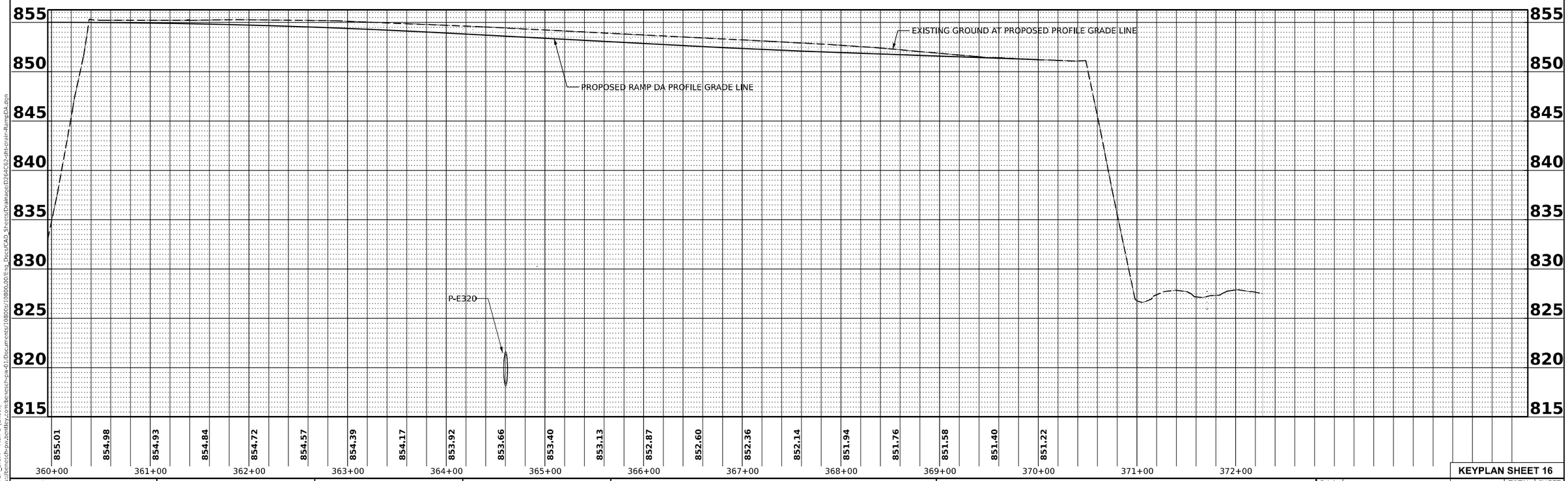




KEYPLAN SHEET 16

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MACHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

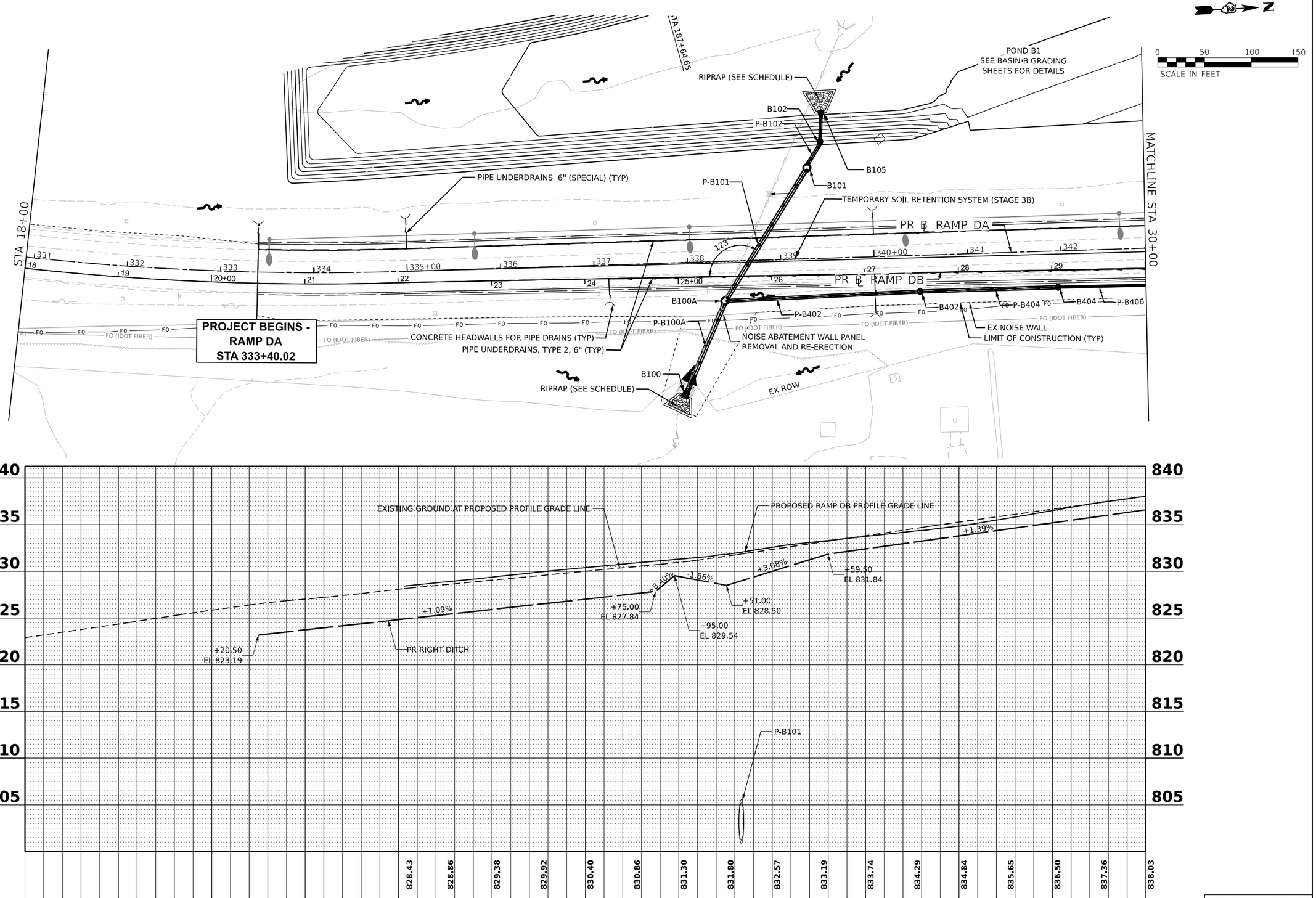
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
RAMP DA

SCALE: 1"=50' | SHEET 20 OF 44 SHEETS | STA. 360+00.00 | TO STA. 372+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	601
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: PRAMPDA_Drain - Plan 2 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800s/10800.00/Eng_Docs/CAD_Sheets/Drainage/D264C62-sht-drain-RampDA.dgn



USER NAME = agibson	DESIGNED - A. FAULKNER	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 4/19/2023	DATE - 03/31/2023	REVISED -	

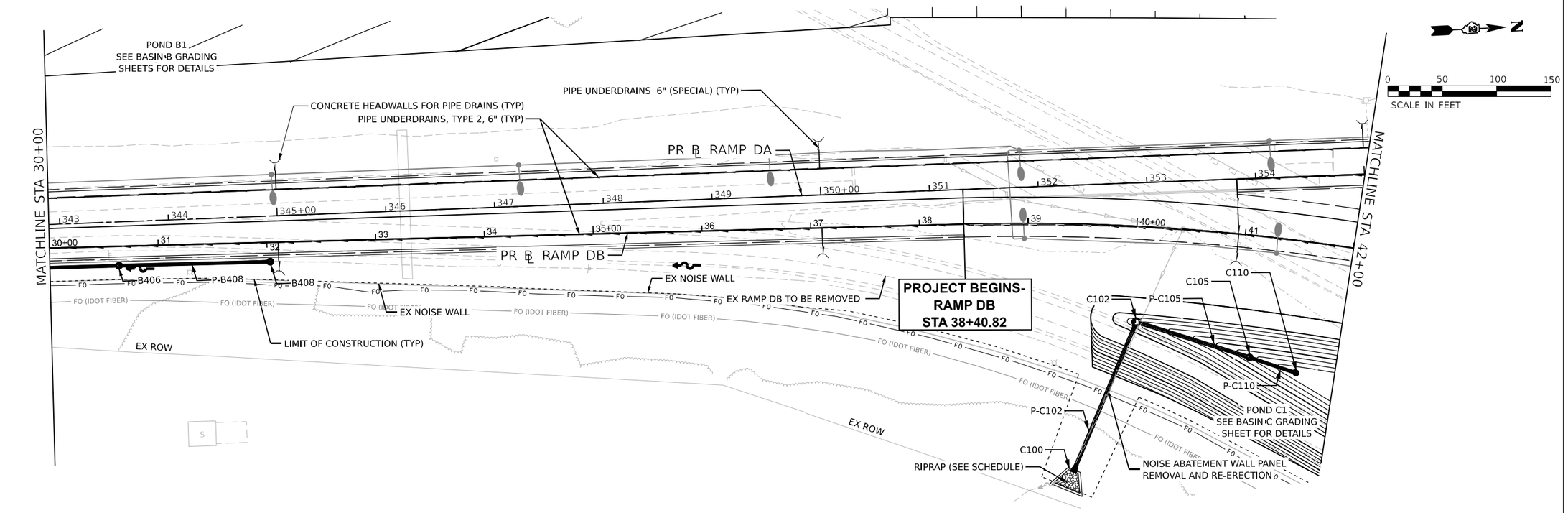
DRAINAGE PLAN AND PROFILE
RAMP DB

SCALE: 1"=50' | SHEET 21 OF 44 SHEETS | STA. 18+00.00 | TO STA.30+00.00

KEYPLAN SHEET 17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	602
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: PRAMP08_Drain - Plan 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000s/108000.00/Eng_Docs/CAD_Sheets/Drainage/D264C02-alt-trail-RampDB.dgn



USER NAME = agibson	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MACHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 4/19/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

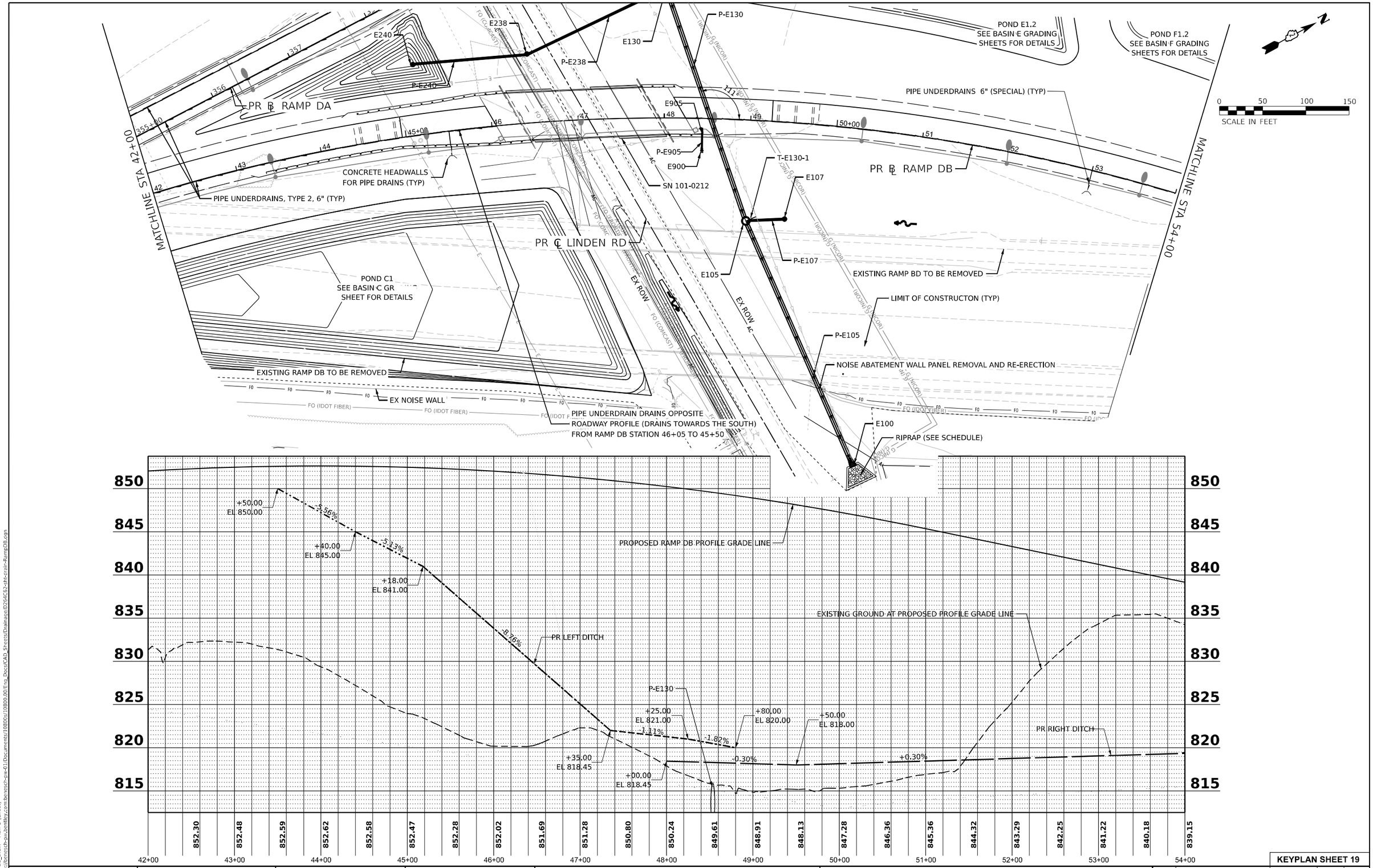
DRAINAGE PLAN AND PROFILE
RAMP DB

SCALE: 1"=50' | SHEET 22 OF 44 SHEETS | STA. 30+00.00 | TO STA. 42+00.00

KEYPLAN SHEET 18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	603
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: PRAMPDB_Drain - Plan 2 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Drainage/D264C62-sht-drai-RampDB.dgn



MODEL: PRAMPDB_Drain - Plan 3 (Sheet)
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Drainage/d226f402-afbf-ra11-RampDB.dgn

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMacher	DESIGNED - A. FAULKNER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

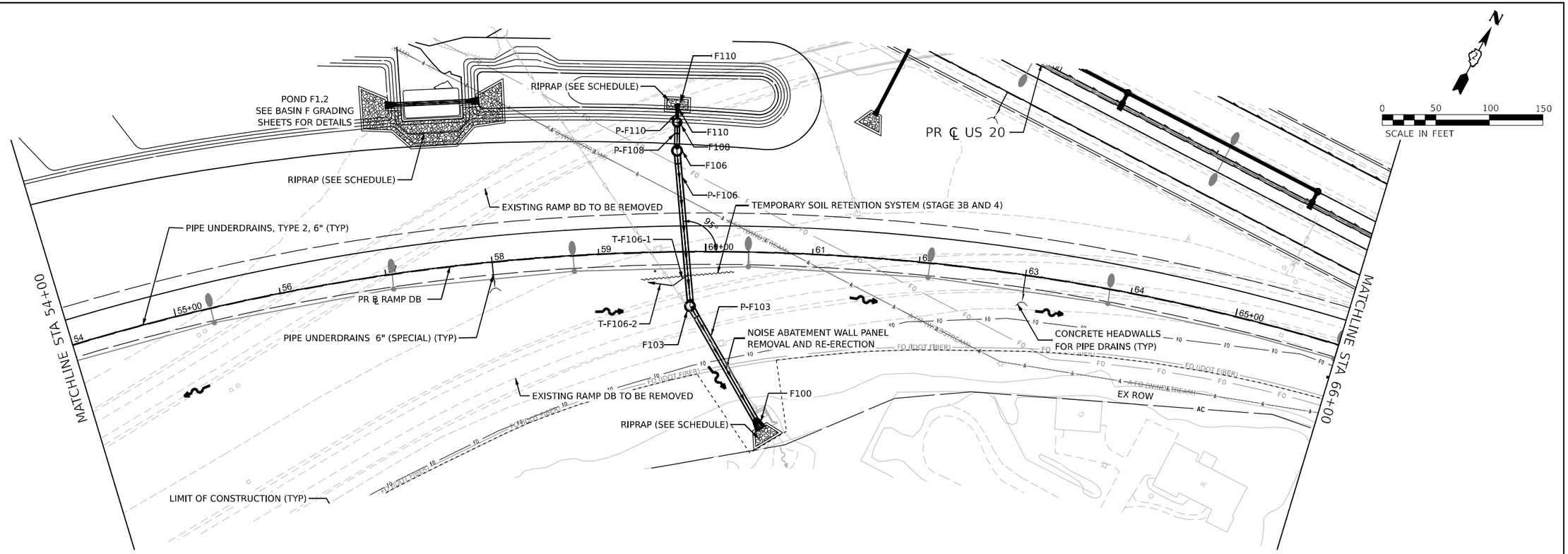
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

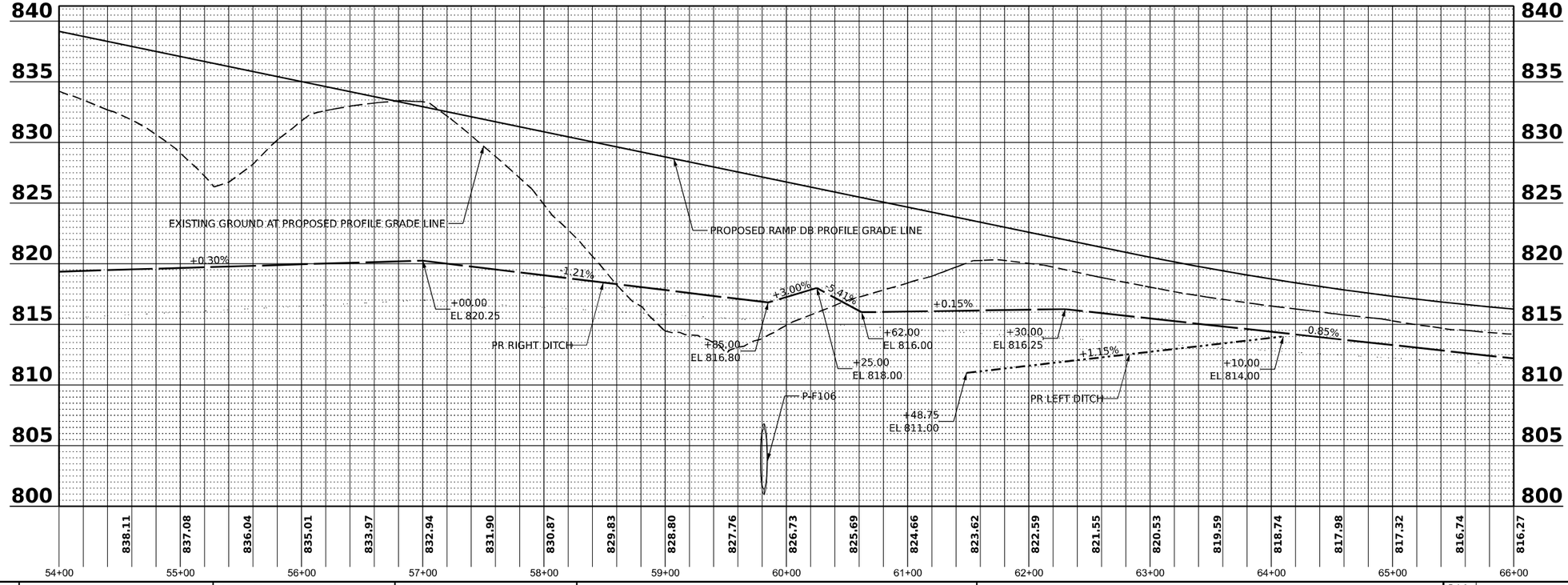
DRAINAGE PLAN AND PROFILE
RAMP DB

SCALE: 1"=50' | SHEET 23 OF 44 SHEETS | STA. 42+00.00 | TO STA. 54+00.00

KEYPLAN SHEET 19

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	604
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	





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		DRAWN - J. MACHER	REVISED -
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

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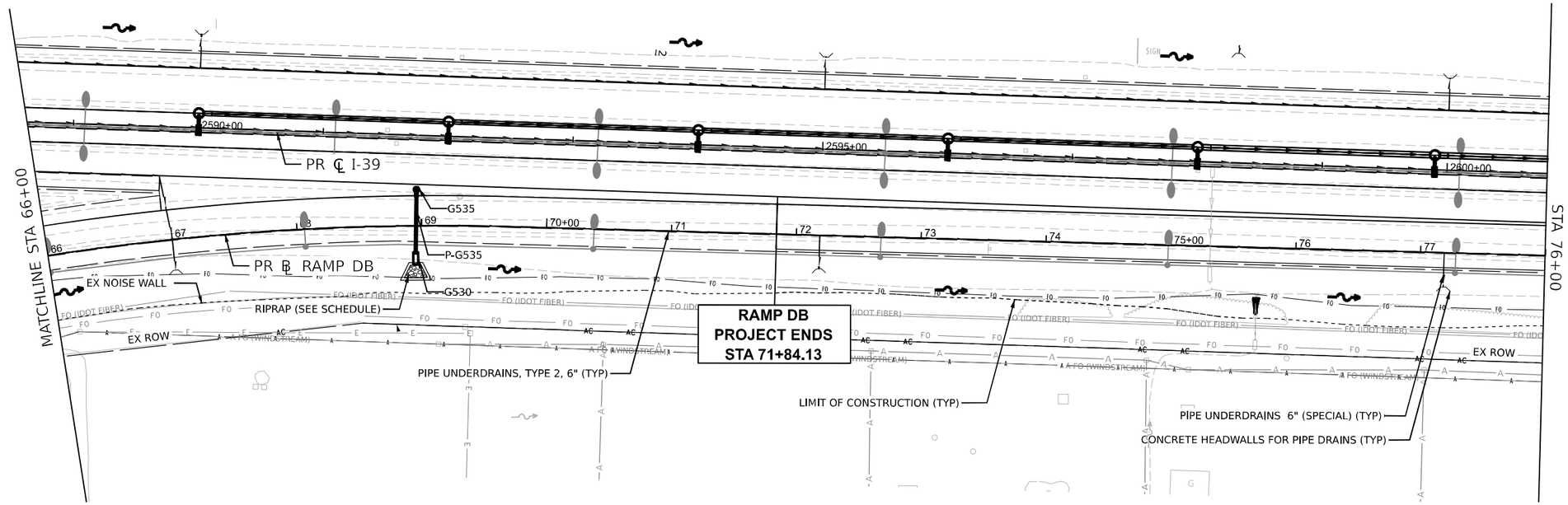
DRAWING TITLE
DRAINAGE PLAN AND PROFILE
RAMP DB

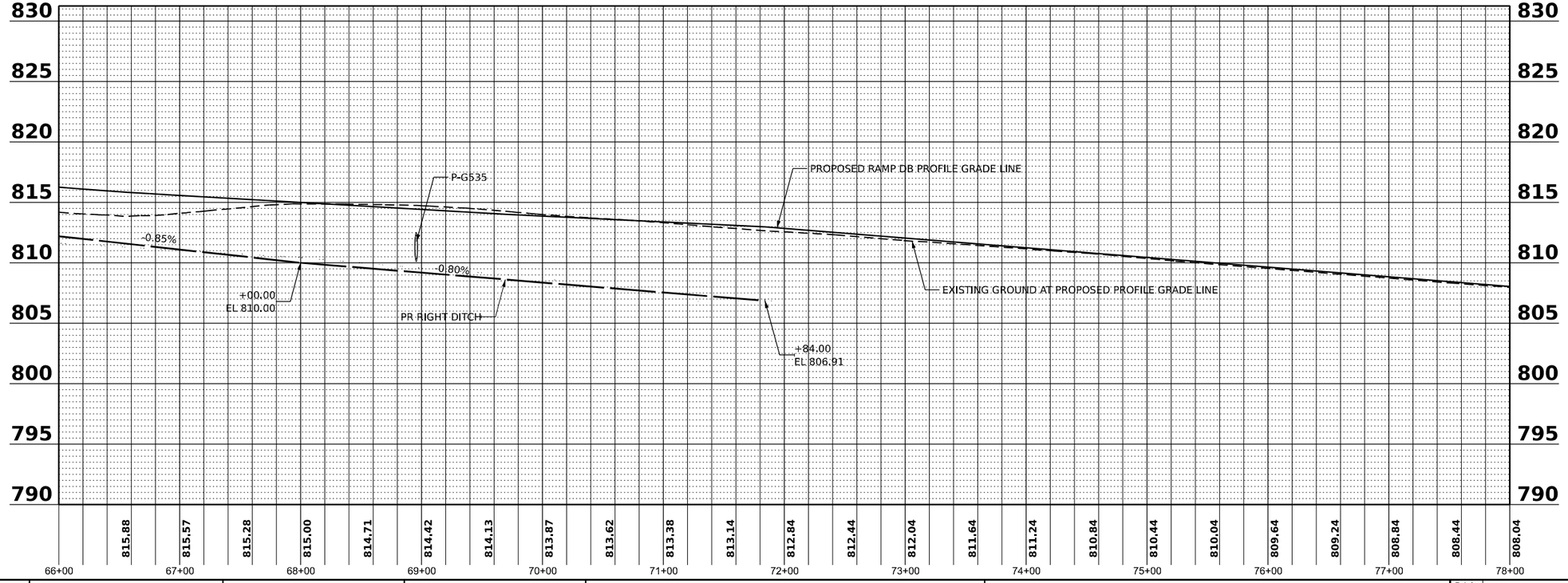
SCALE: 1"=50' | SHEET 24 OF 44 SHEETS | STA. 54+00.00 | TO STA. 66+00.00

KEYPLAN SHEET 20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	605
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		

MODEL: PRAMPDB_Drain - Plan 4 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800s10800.00/Eng_Docs/CAD_Sheets/Drainage/D264C62-sht-drain-RampDB.dgn





MODEL: PRAMPDB_Drain - Plan 5 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800s/10800.00/Eng_Docs/CAD_Sheets/Drainage/D264C62-sht-drai-RampDB.dgn

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USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MACHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

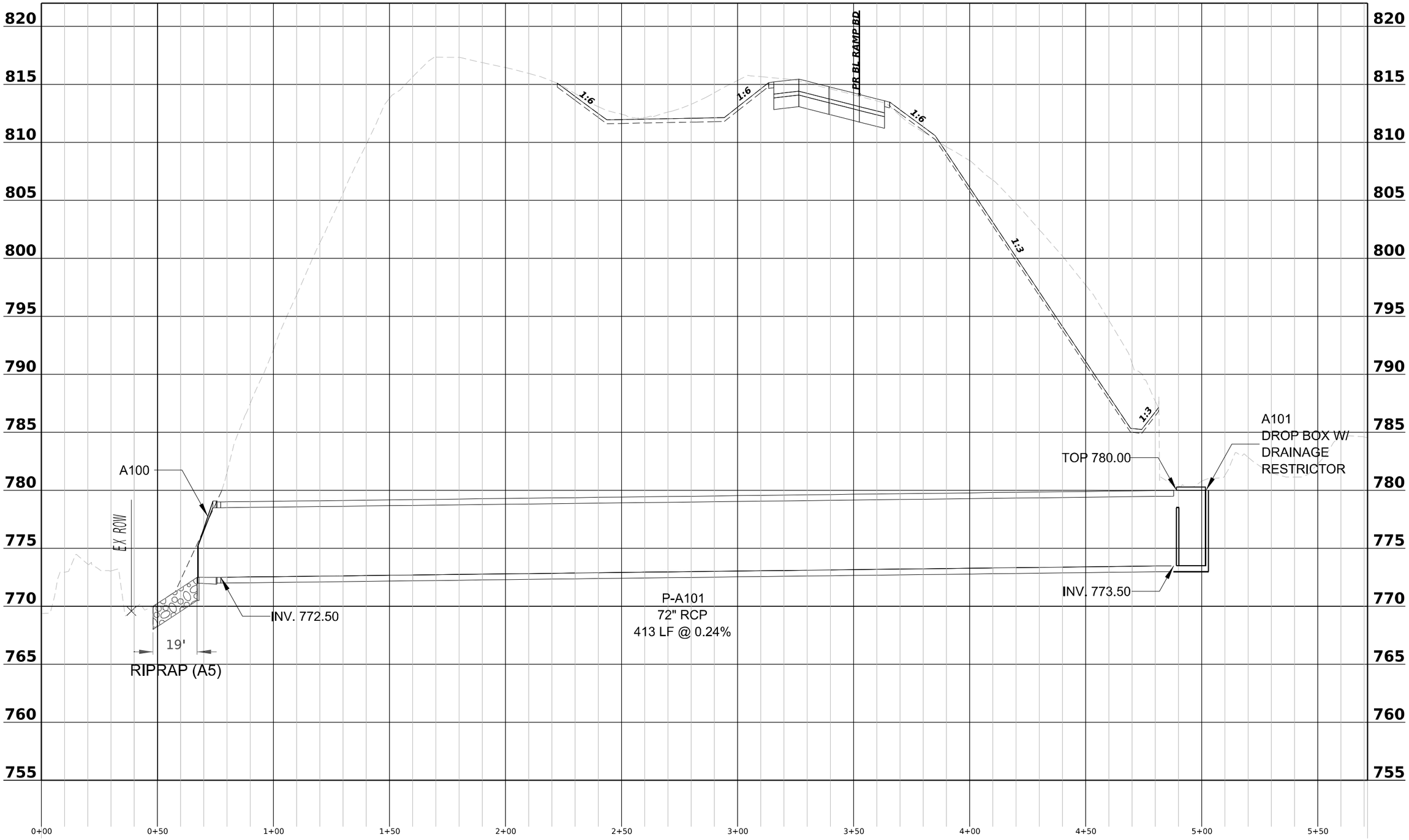
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
RAMP DB

SCALE: 1"=50' | SHEET 25 OF 44 SHEETS | STA. 66+00.00 | TO STA. 78+00.00

KEYPLAN SHEET 21

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	606
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP BD
STA 207+09, 256.70' LT TO
STA 208+63, 123.90' RT

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USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -	
	DRAWN - J. MAJCHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

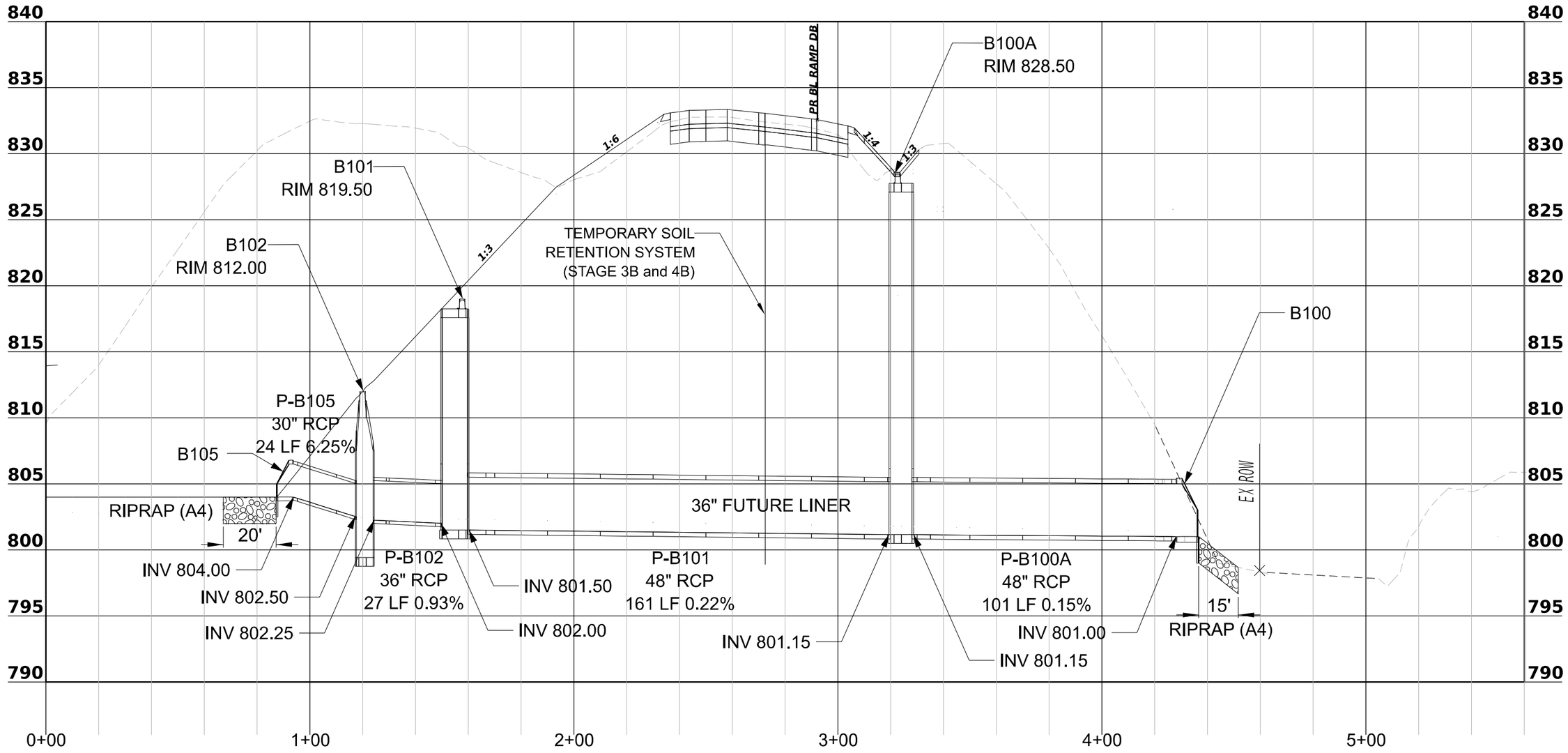
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN A

SCALE: PER GRID | SHEET 26 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	607
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: [NOT USED] C-A101 - 208+06.69 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design Drainage/Base/D2644C62-DRK-Culvert-XS.dgn



RAMP DB
STA 27+18, 204.20' LT TO
STA 25+08, 121.00' RT

NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MODEL: P-B101 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design/Drainage Basis/D264C62-DRN-Culvert-xS.dgn

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Chicago, Illinois 60601
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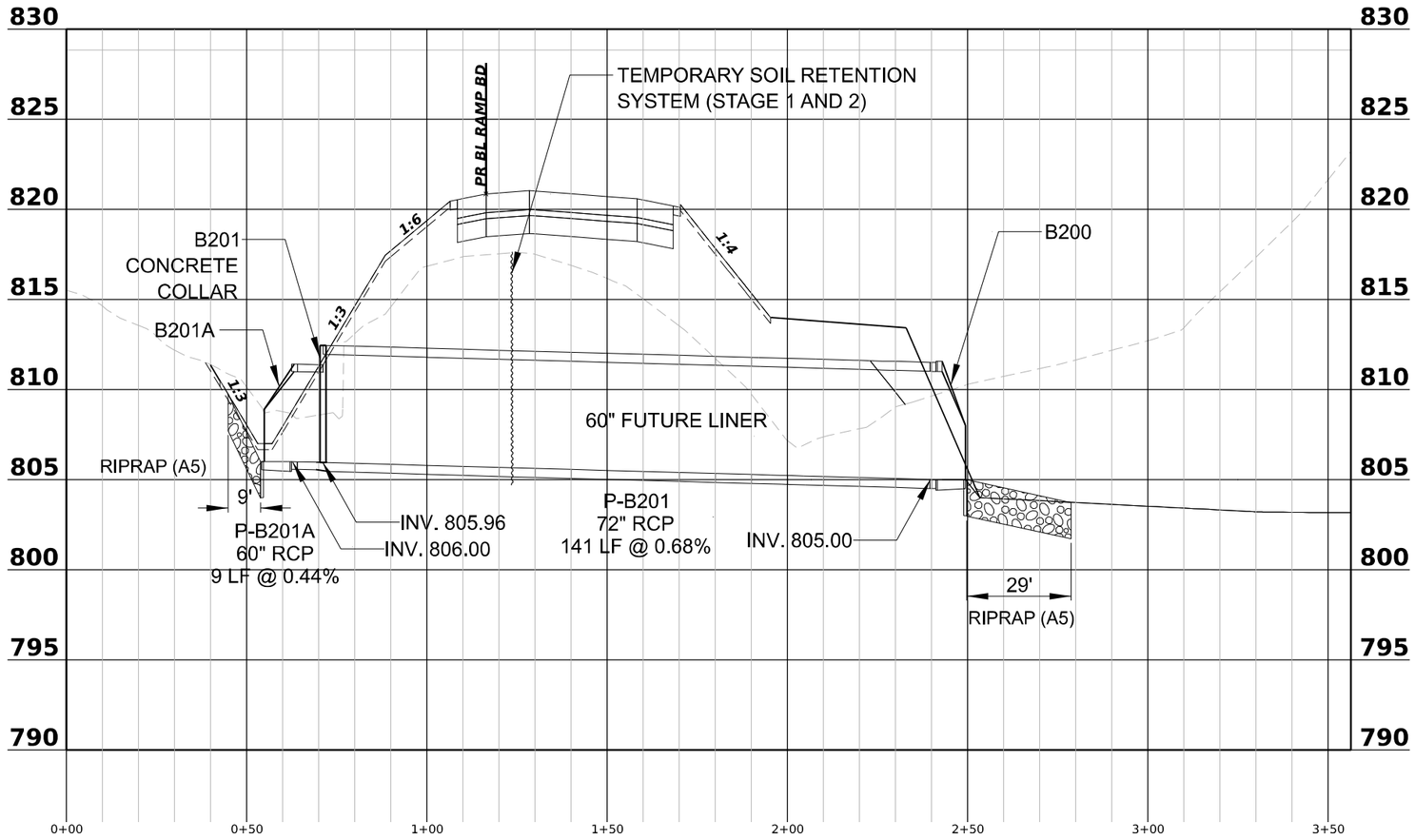
USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN B

SCALE: PER GRID | SHEET 27 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	608
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP BD
STA 184+89, 71.80' RT TO
STA 184+88, 106.90' LT

MODEL: P-B201 - Pro le 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design/Drainage/Base/D264C62-ORN-Culverts-XS.dgn

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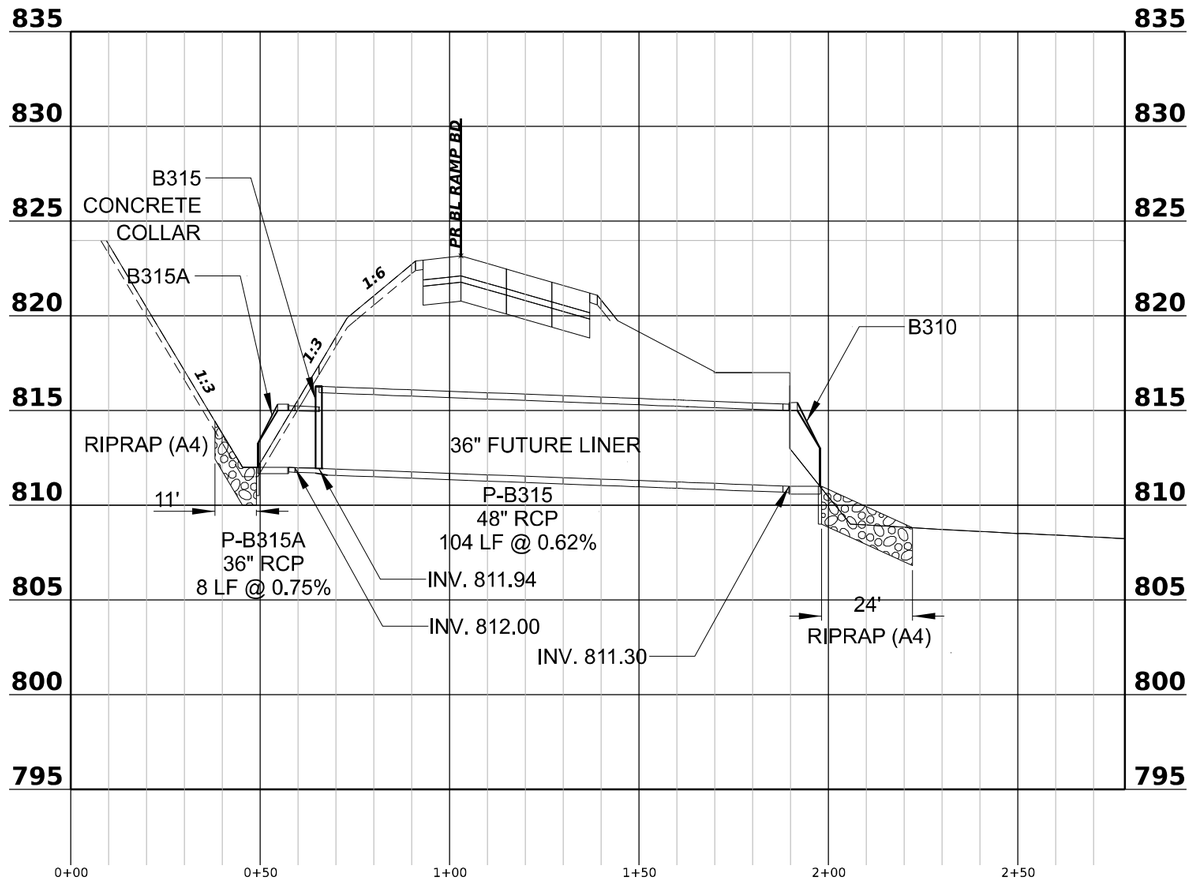
USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN B

SCALE: PER GRID | SHEET 28 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	609
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP BD
STA 169+38, 45.40' RT TO
STA 169+42, 86.70' LT

MODEL: C-B315 - 169+39.92 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800s/10800.00/Eng_Docs/Design/Drainage/Base/D2264C62-DRN-Culvert-XS.dgn

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

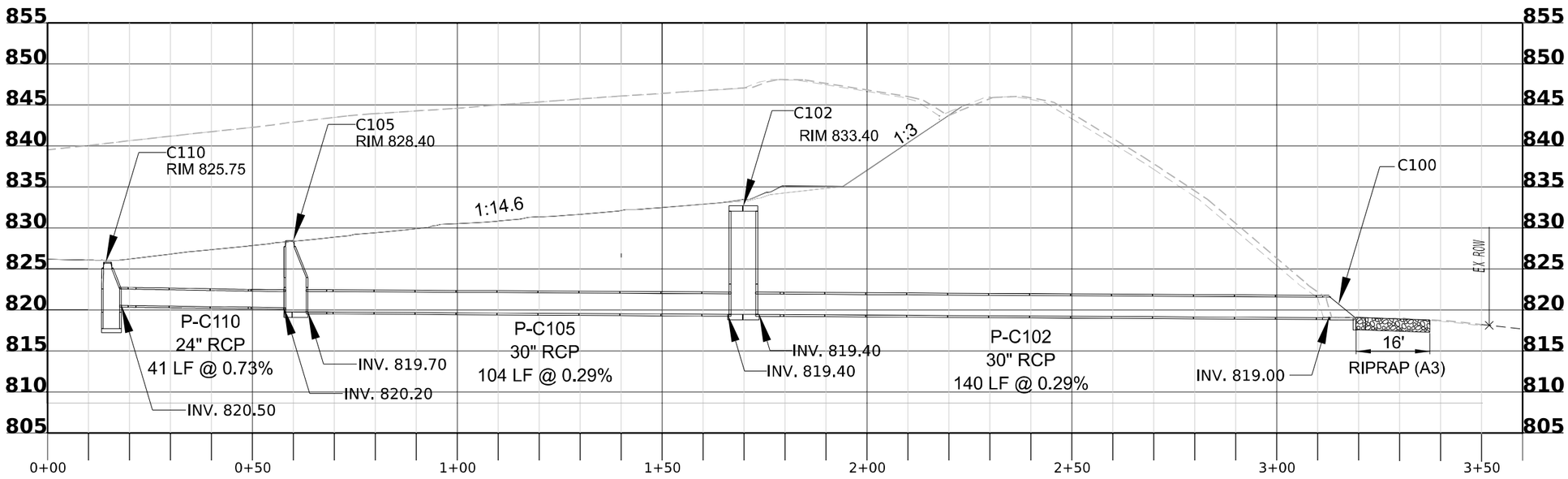
USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -	
	DRAWN - J. MAJCHER	REVISED -	
PLOT SCALE = 39.99992000 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN B

SCALE: PER GRID | SHEET 29 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	610
		CONTRACT NO. 64B13		
ILLINOIS	FED. AID PROJECT			



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP DB
STA 41+63, 121.11' RT TO
STA 39+50, 222.00' RT

MODEL: Culvert C1 - Pro le 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108005/10800.00/Eng_Docs/Design/Drainage/Base/D264C62-DRN-Culvert-XS.dgn

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

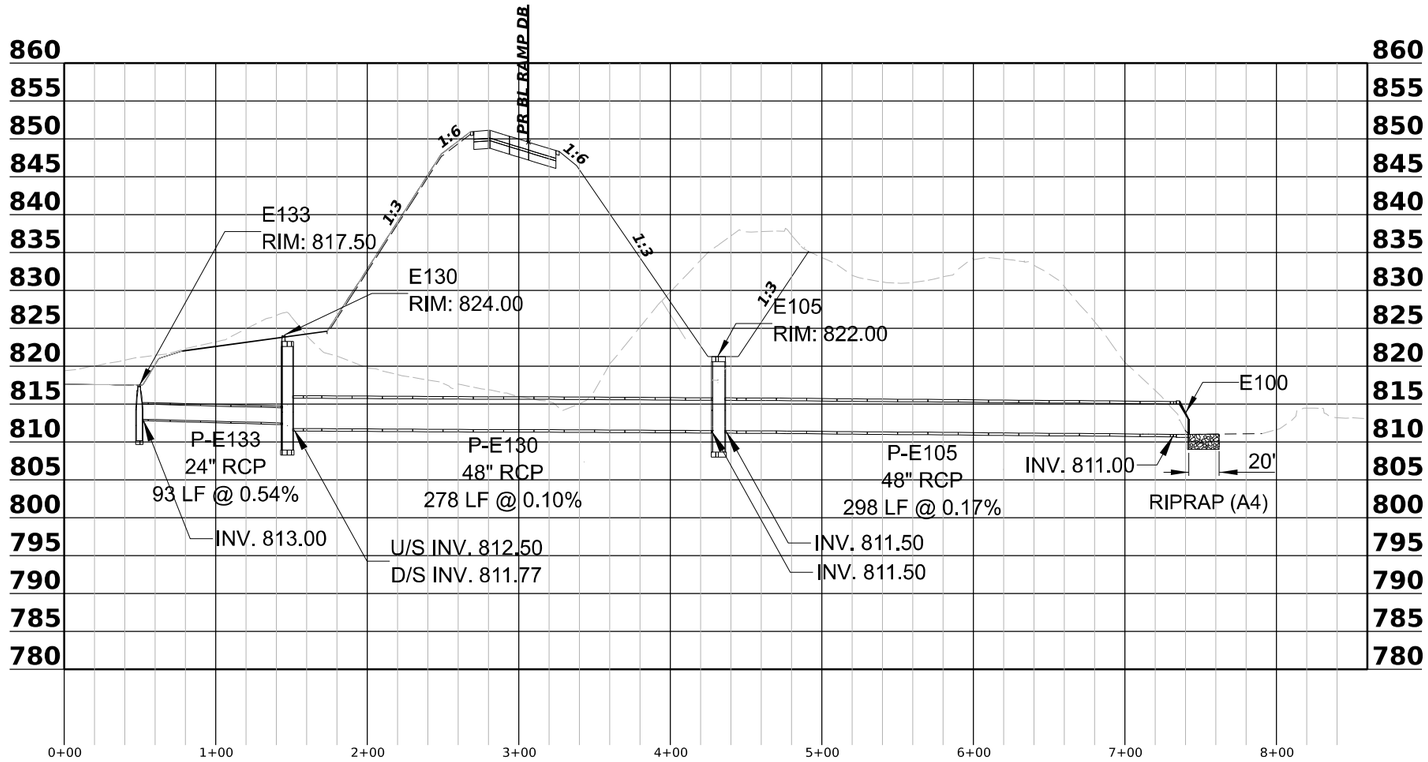
USER NAME = JMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN C

SCALE: PER GRID | SHEET 30 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	611
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



RAMP DB
STA 48+90, 172.00' LT TO
STA 50+65, 382.00' RT

NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MODEL: E105 - Pro le 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design/Drainage/Base/D264C62-ORN-Culverts-XS.dgn

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Chicago, Illinois 60601
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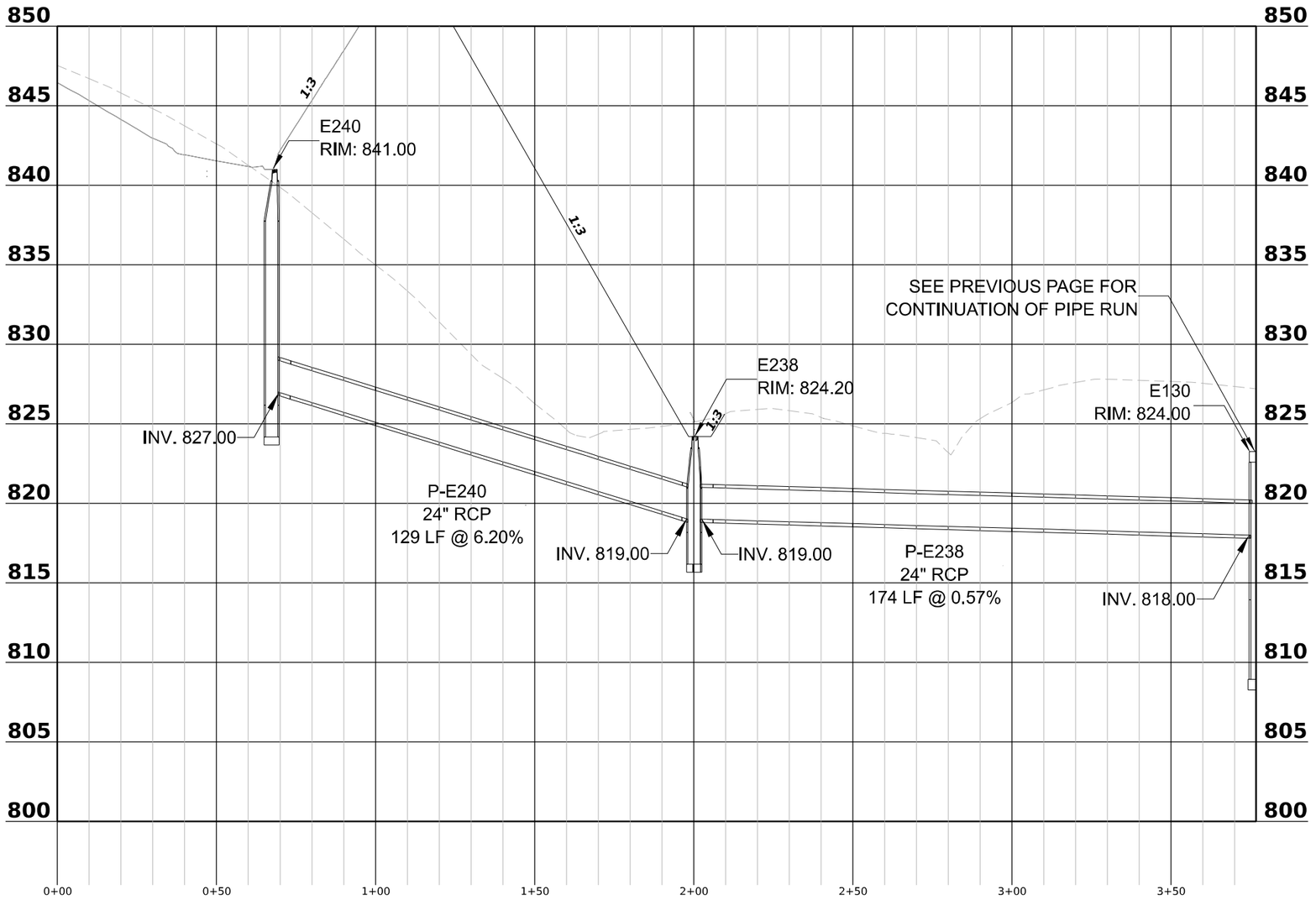
USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN E

SCALE: PER GRID | SHEET 31 OF 44 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	612
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



RAMP DB
STA 45+18, 82.00' LT TO
STA 48+02, 150.00' LT

NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MODEL: E238 - Pro le 1-2 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design/Drainage/Base/D2624C62-ORN-Culvert-XS.dgn

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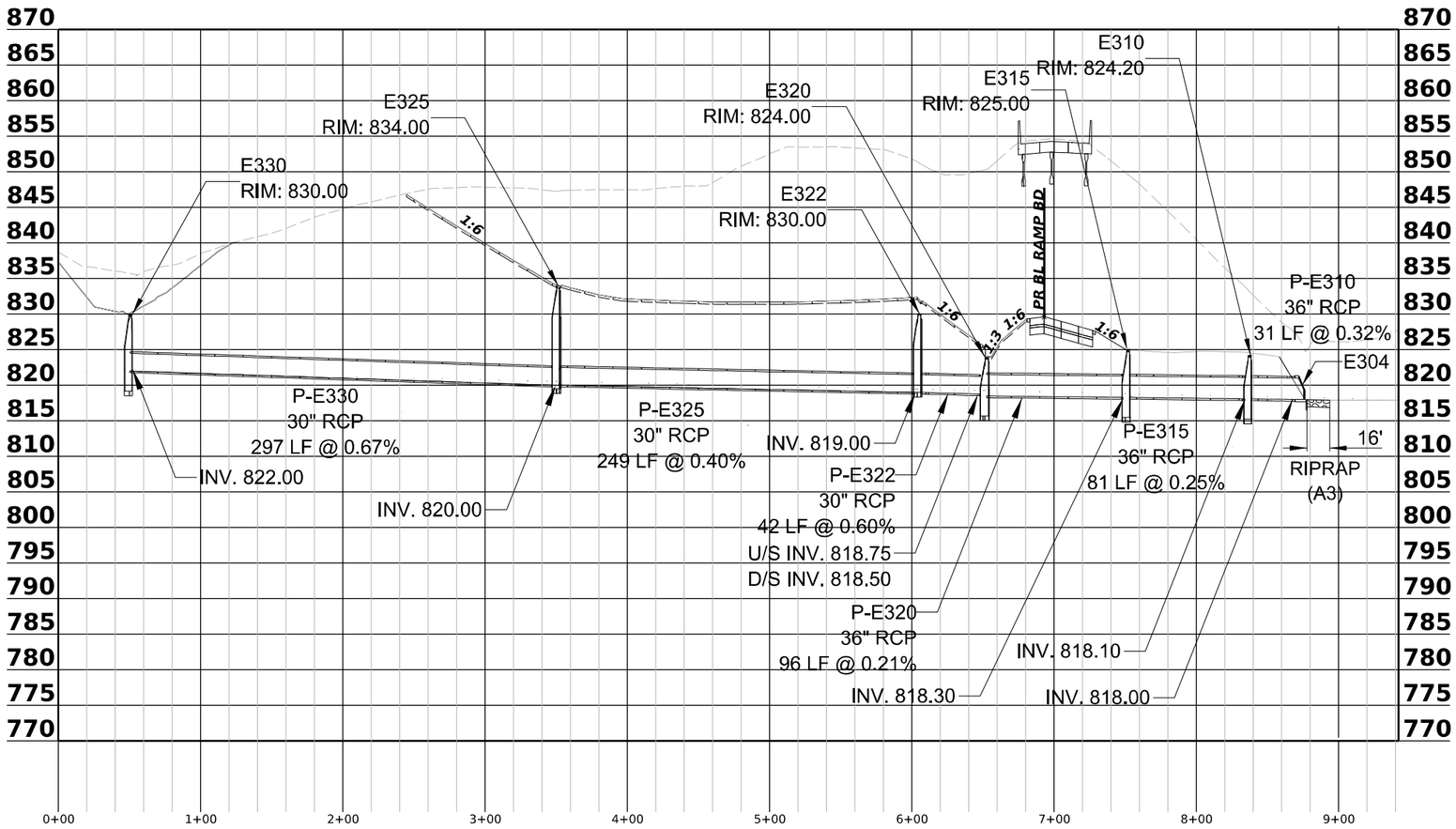
USER NAME = JMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN E

SCALE: PER GRID | SHEET 32 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	613
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		



RAMP BD
STA 164+81, 160.00' RT TO
STA 159+05, 143.90' LT

NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MODEL: E320 - Pro lo : [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design Drainage/Base/D2G4C6G2-DRN-Culvert-XS.dgn

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

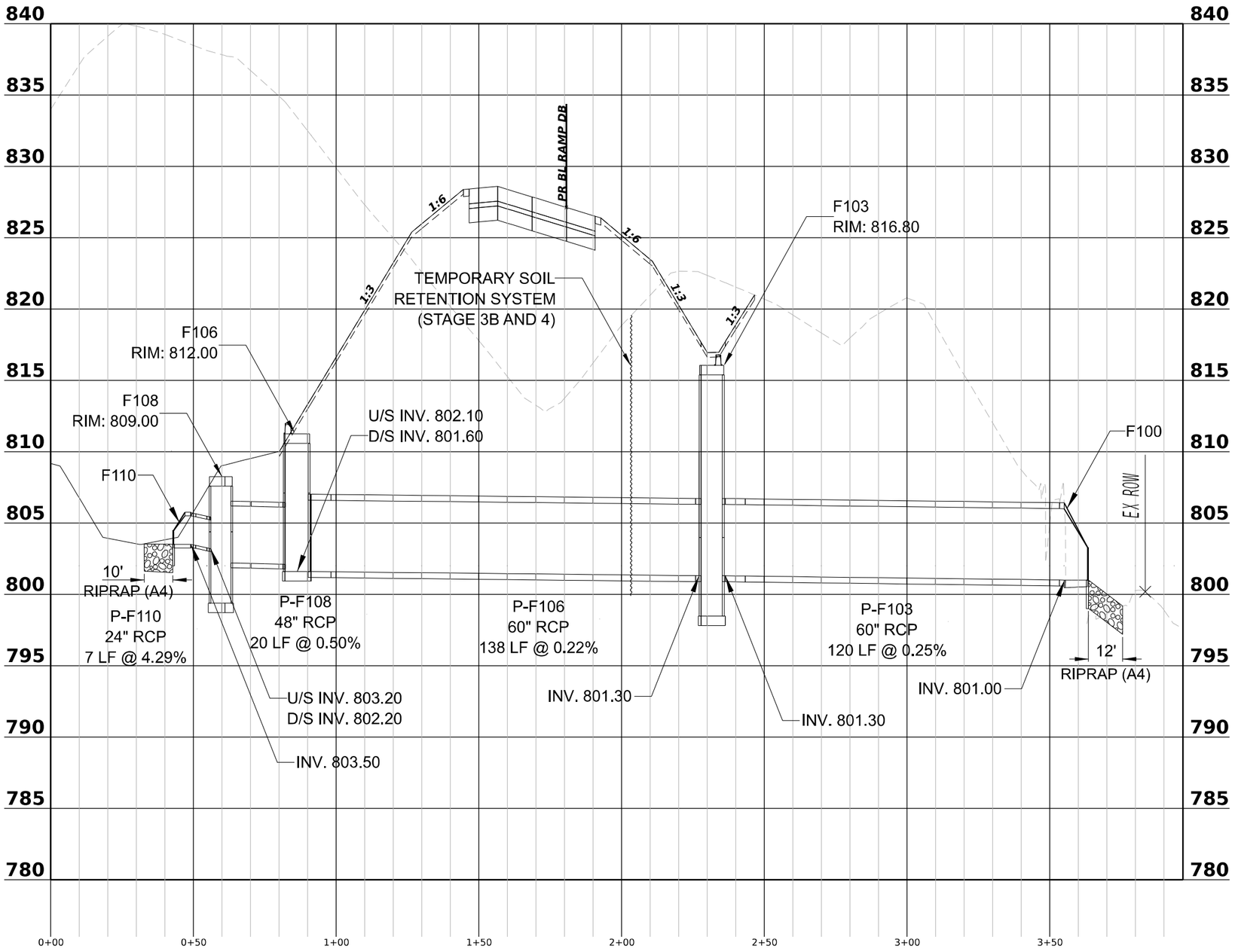
USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN E

SCALE: PER GRID | SHEET 33 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	614
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP DB
STA 59+75, 131.24' LT TO
STA 60+51, 157.59' RT

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - A. FAULKNER	REVISED -	
	DRAWN - J. MAJCHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

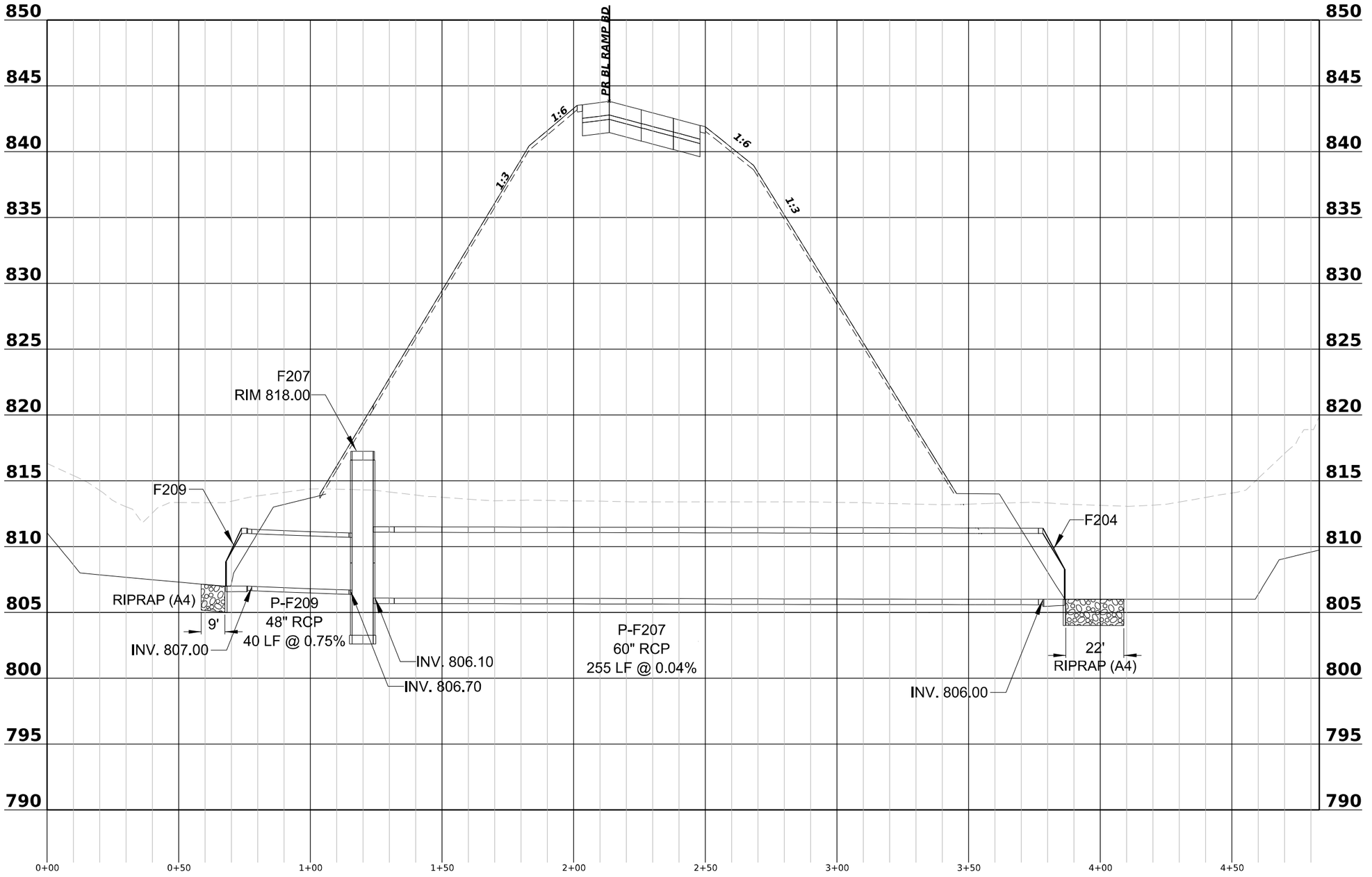
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN F

SCALE: PER GRID | SHEET 34 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	615
		CONTRACT NO. 64B13		
ILLINOIS	FED. AID PROJECT			

MODEL: P-F103 - Profile 1 [Sheet]
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NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

RAMP BD
STA 153+23, 135.70' RT TO
STA 152+72, 162.04' LT

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35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

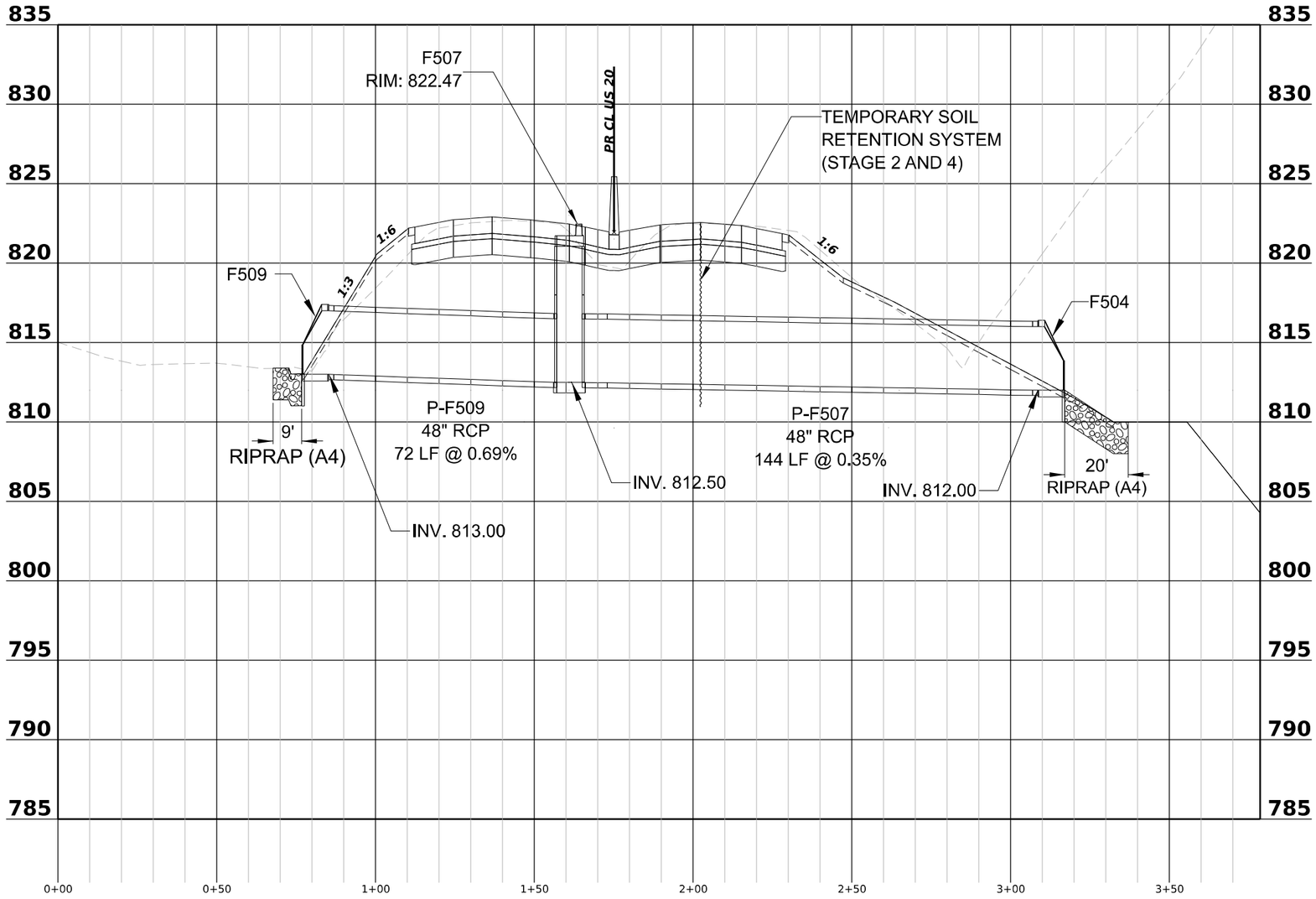
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN F

SCALE: PER GRID | SHEET 35 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	616
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: P-F209 - Pro le 1 [Sheet]
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NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

I-39/US 20
STA 2581+13, 88.26' LT TO
STA 2581+76, 124.81' RT

MODEL: P-7508 - Pro le 1 (Sheet)
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/Design/Drainage/Base/D2614C62-DRN-Culvert-XS.dgn

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

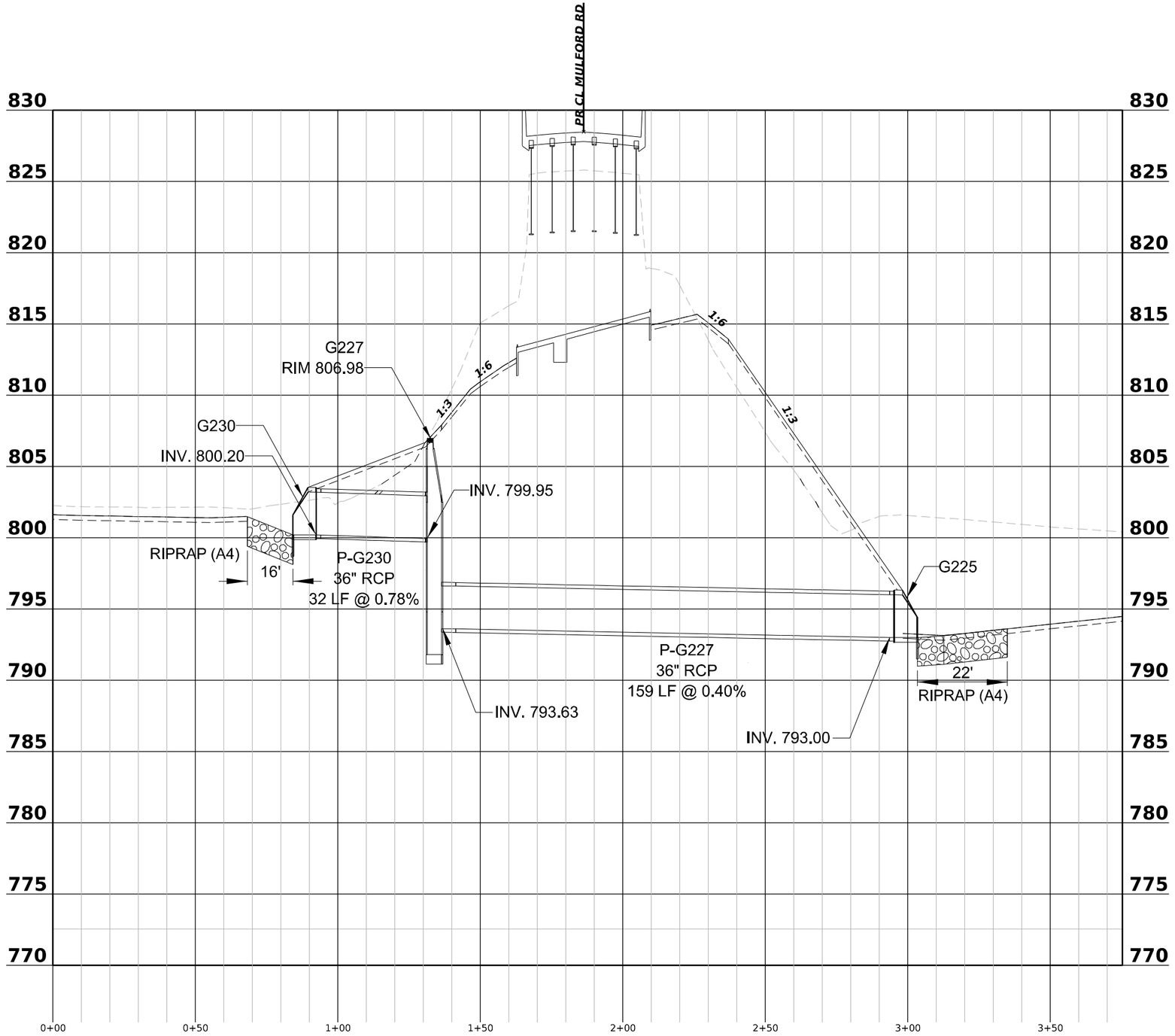
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	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN F

SCALE: PER GRID | SHEET 36 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	617
		CONTRACT NO. 64B13		
ILLINOIS	FED. AID PROJECT			



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MULFORD RD
STA 49+05, 93.58' LT TO
STA 48+86, 108.32' RT

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Chicago, Illinois 60601
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USER NAME = JMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

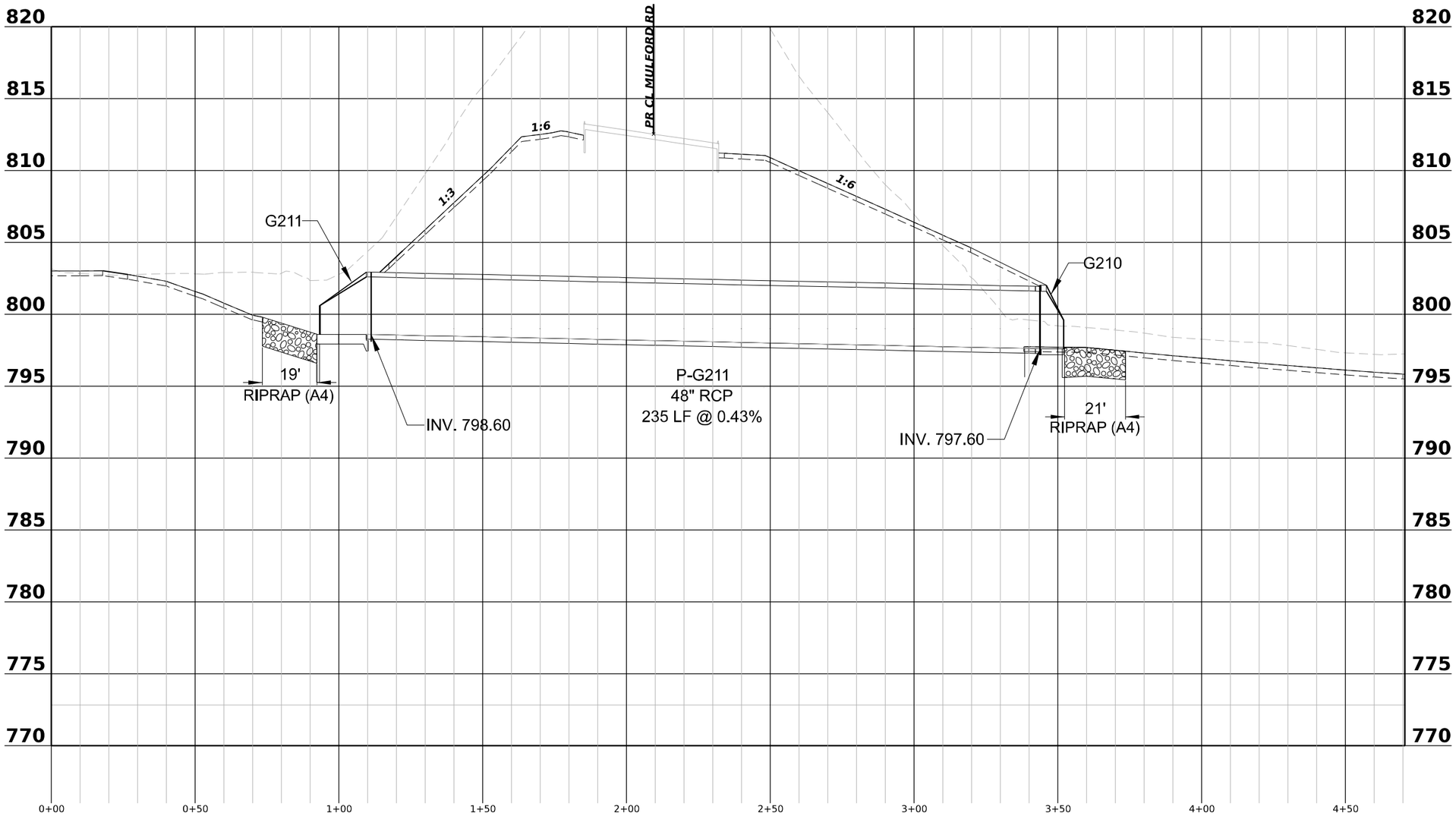
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

SCALE: PER GRID | SHEET 37 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	618
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MULFORD RD
STA 51+69, 98.90' LT TO
STA 51+55, 135.00' RT

MODEL: P-G240 - Pro le 1 [Sheet]
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benesch
Alfred Benesch & Company
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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

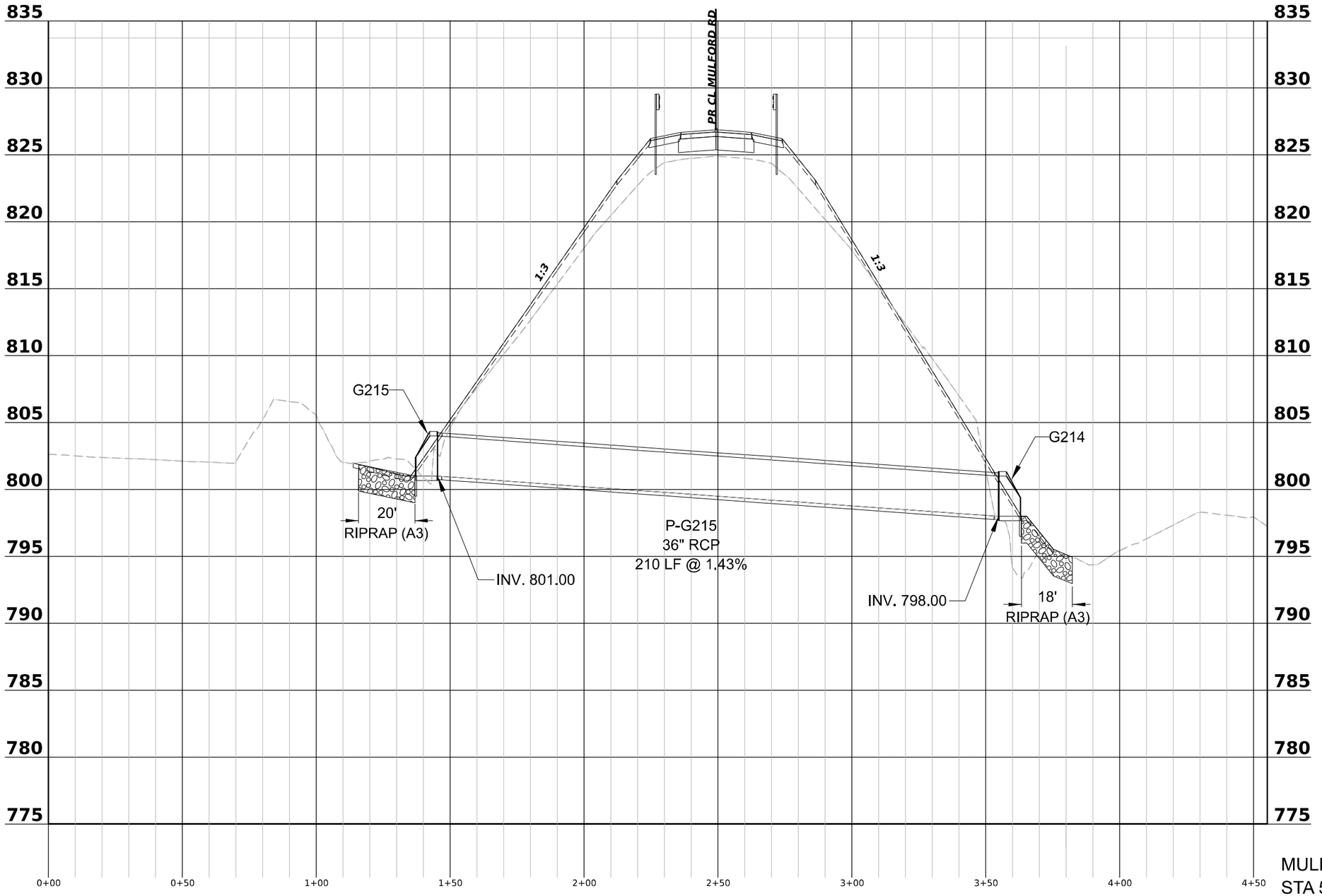
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	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

SCALE: PER GRID | SHEET 38 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	619
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

MULFORD RD
STA 52+50, 104.00' LT TO
STA 52+50, 105.50' RT

MODEL: P-G250 - Pro le 1 [Sheet]
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benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

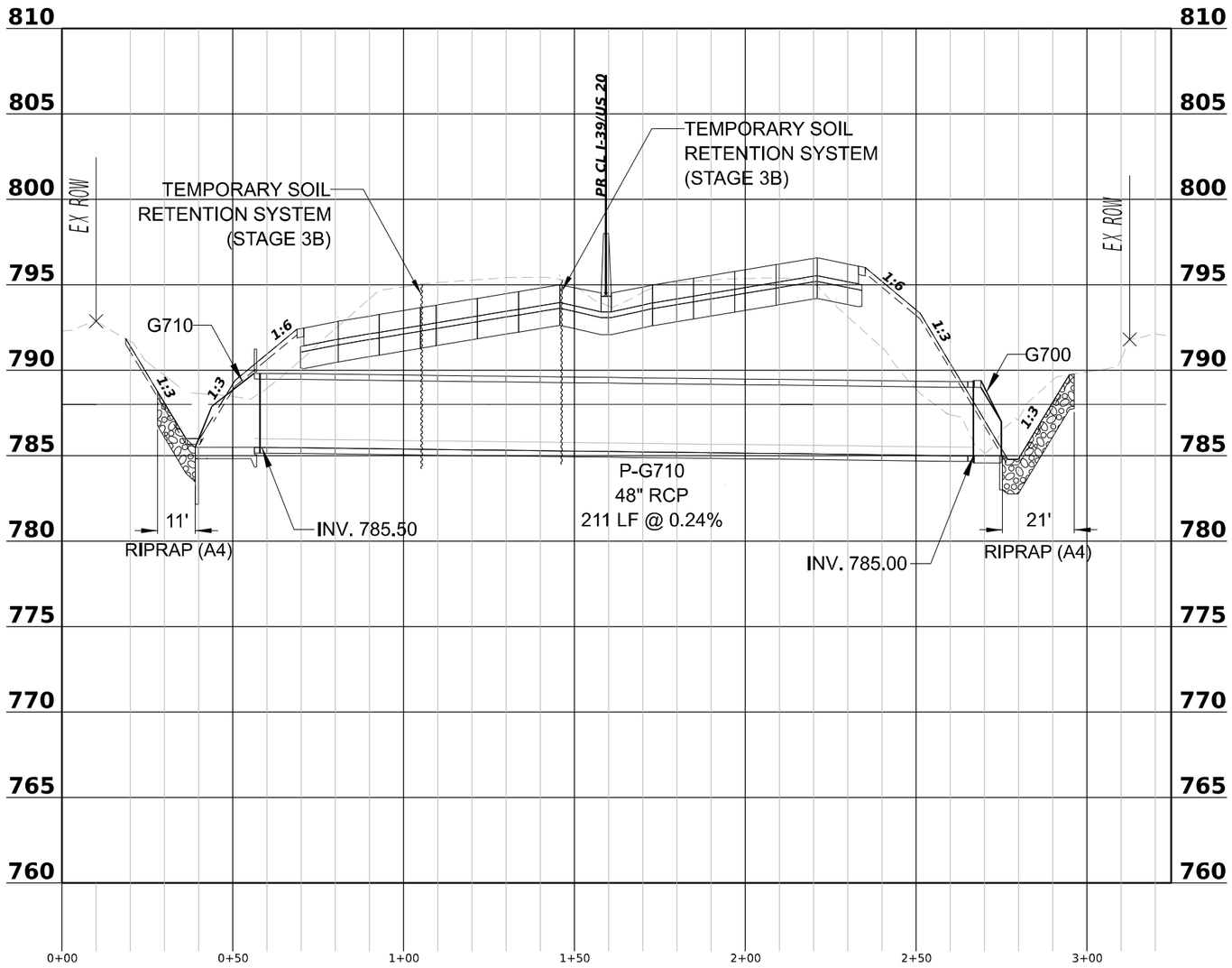
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	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

SCALE: PER GRID | SHEET 39 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	620
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

I-39/US 20
STA 2617+00, 102.50' LT TO
STA 2617+20, 107.00' RT

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USER NAME = jMajcher	DESIGNED - A. FAULKNER	REVISED -
	DRAWN - J. MAJCHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

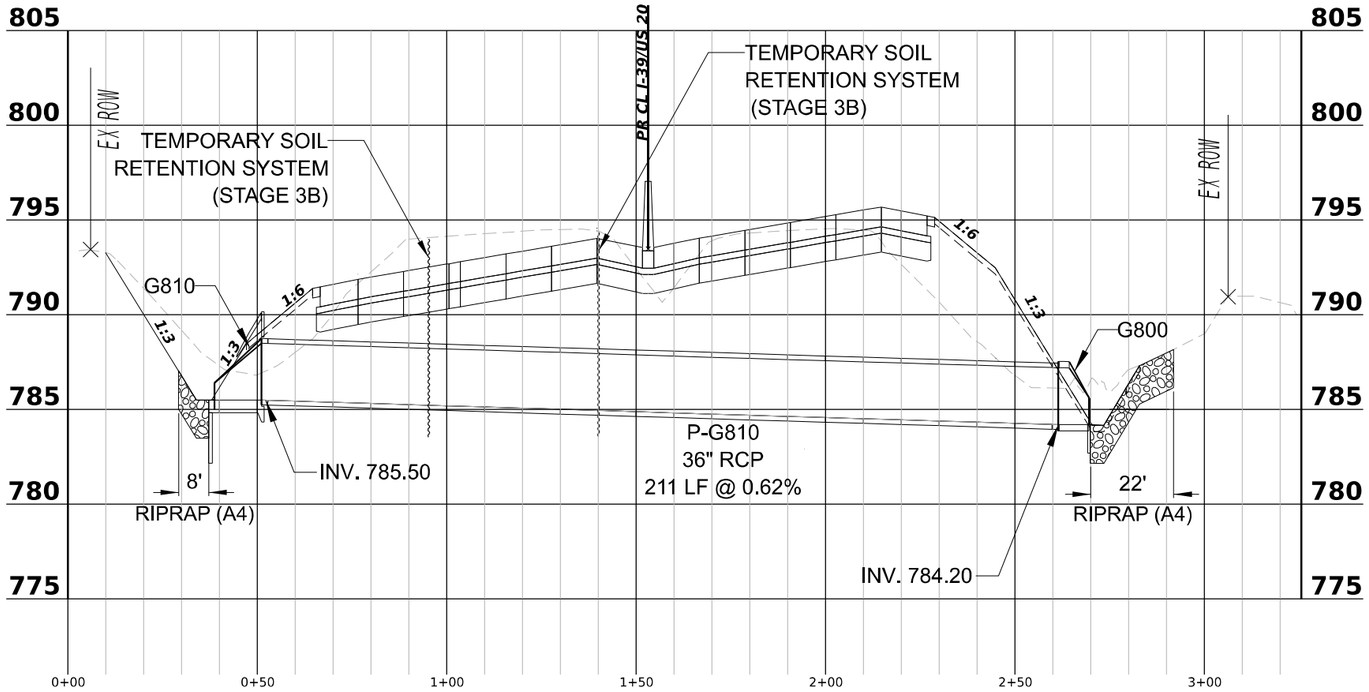
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

SCALE: PER GRID | SHEET 40 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	621
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: P-G710 - Pro le 1 [Sheet]
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NOTE: SEE DRAINAGE
SCHEDULES FOR DETAILS

I-39/US 20
STA 2618+35, 102.00' LT TO
STA 2618+26, 108.10' RT

MODEL: P-G810 - Pro le 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000/108000.00/Eng_Docs/Design/Drainage/Base/D2664C02-DRNCulvert-S.dgn

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35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 108000.00

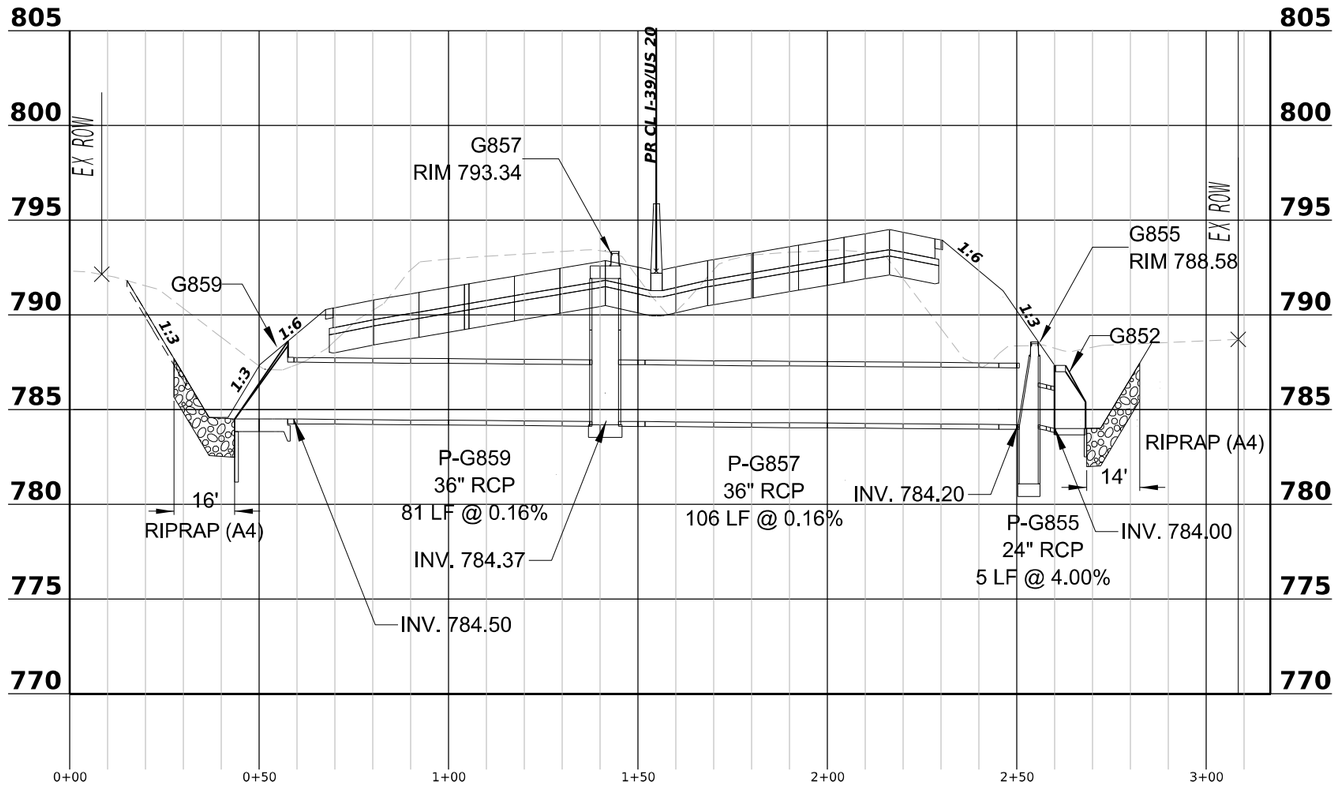
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	DRAWN - J. MAJCHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

SCALE: PER GRID | SHEET 41 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	622
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		



NOTE: SEE DRAINAGE SCHEDULES FOR DETAILS

I-39/US 20
STA 2619+85, 111.31' LT TO
STA 2619+85, 114.03' RT

MODEL: P-G855 - Pro le 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108005/10800.00/Eng_Docs/Design/Drainage/Base/D264C62-ORN-Culvert-XS.dgn

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Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

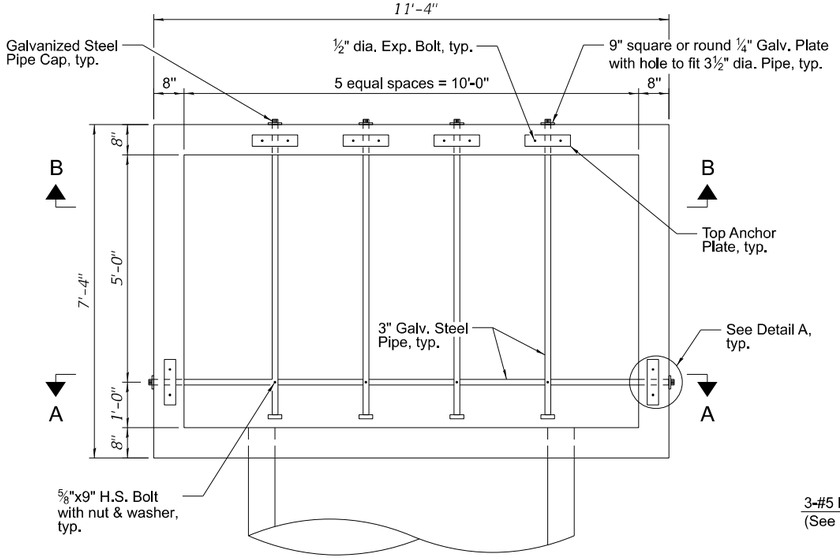
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	DRAWN - J. MAJCHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SECTIONS
BASIN G

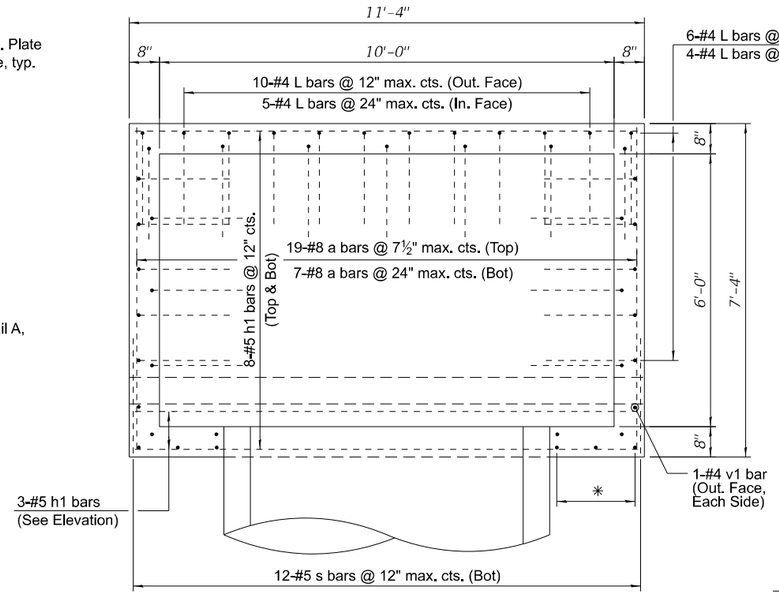
SCALE: PER GRID | SHEET 42 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	623
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



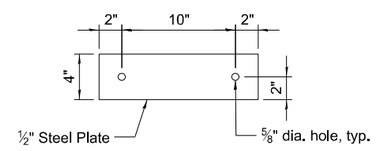
PLAN

(Reinforcement not shown for clarity)

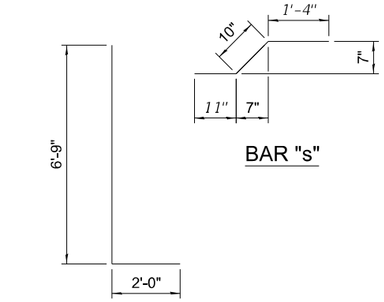


PLAN - BOTTOM SLAB REINFORCEMENT

* 3-#4 v bars @ 10" cts. (Out. Face, Each Side)
2-#4 v bars (In. Face, Each Side)

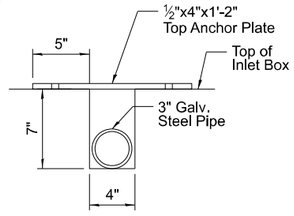


TOP ANCHOR PLATE DETAIL



BAR "L"

BAR "s"



DETAIL A

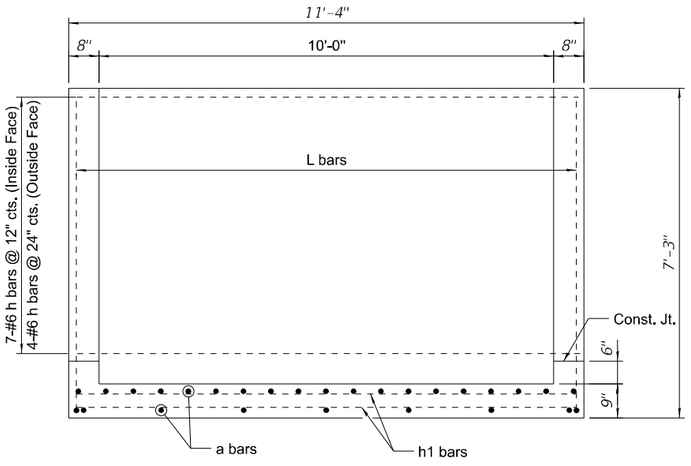
BILL OF MATERIAL

(For Information Only)

Bar	No.	Size	Length	Shape
a	26	#8	7'-0"	
h	11	#6	11'-0"	
h1	21	#5	11'-0"	
h2	22	#6	7'-0"	
L	35	#4	8'-9"	
v	10	#4	8'-0"	
v1	2	#4	7'-5"	
s	12	#5	3'-1"	
Reinforcement Bars			Pound	1,450
Class SI Concrete			Cu. Yd.	7.5
3" Galv. Steel Pipe			Foot	42
½"x4"x1'-2" Galv. Anchor Plate			Each	6
⅝"x9" Galv. Bolts			Each	4
Galv. Steel Pipe Caps			Each	10
½" dia. Galv. Exp. Bolts			Each	12
9" Sq. or Round ¼" Galv. Plate			Each	6

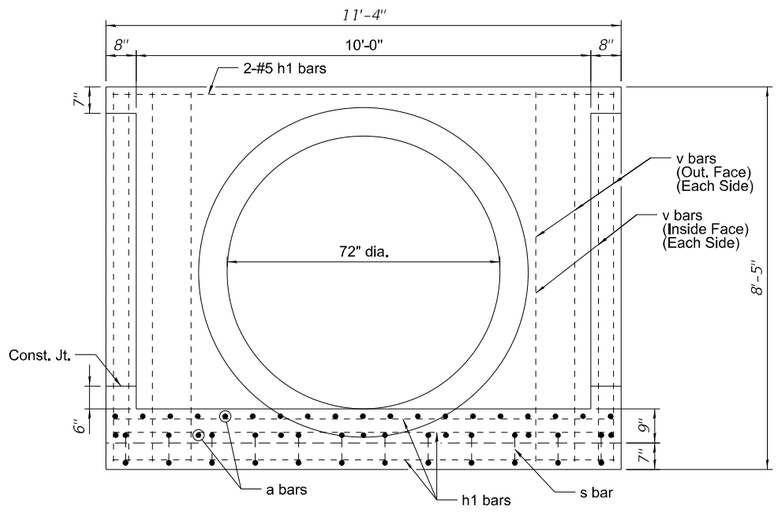
NOTES:

1. Steel pipes shall confirm to ASTM A53 (Type E or S) Grade B, Schedule 40, and shall be galvanized conforming to ASTM A120
2. Steel plates shall confirm to AASHTO M183 and shall be galvanized conforming to AASHTO M111.
3. Bolts, nuts, and washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
4. The contract unit price "Each" for Drop Box w/ Arms - A101 shall include the expansion bolts, galvanized pipes, Class SI concrete, bolts, nuts, reinforcement, washers, steel plates, earth excavation, and necessary grading.
5. Reinforcement clear cover distance shall be 2", except bottom of bottom slab shall be 3".
6. Field cut reinforcement at the top of the inlet box to fit around the pocket for the steel pipe shown in Detail A.



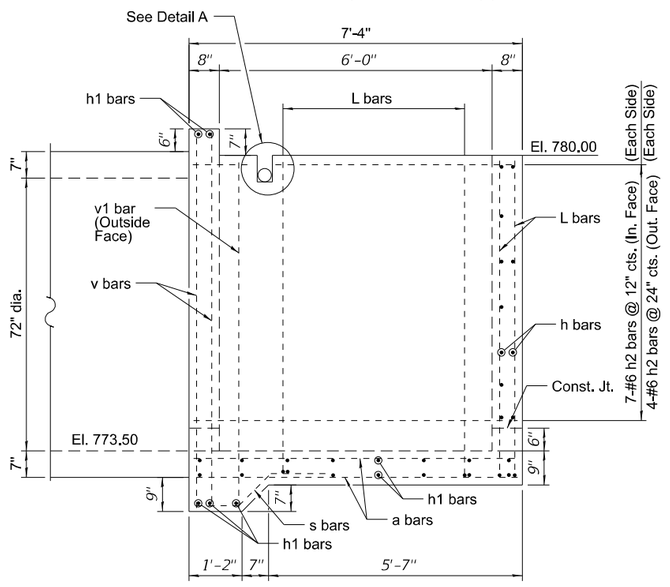
SECTION B-B

(Side wall reinforcement not shown for clarity)



SECTION A-A

(Side wall reinforcement not shown for clarity)



ELEVATION

DROP BOX NO. 1

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - C. RUTKOWSKI	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - E. DEAN	REVISED -	
PLOT DATE = 3/31/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

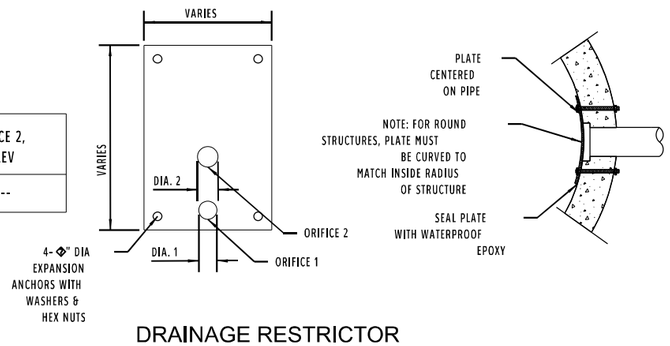
DRAINAGE DETAILS

SCALE: N/A | SHEET 43 OF 44 SHEETS | STA. | TO STA.

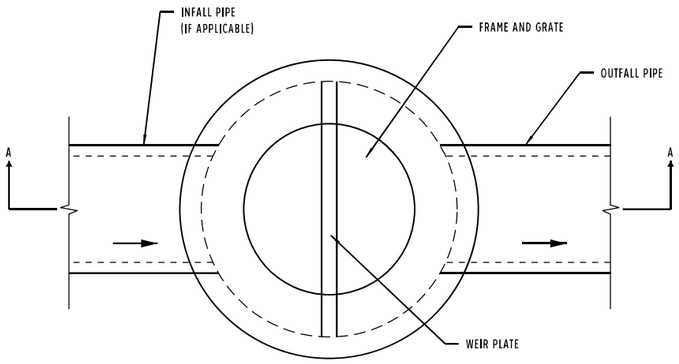
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	624
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Structure Schedule
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\10800s\10800.00\Eng_Docs\CAD Sheets\Drainage\D264C62-structure-SHDET-01.dgn

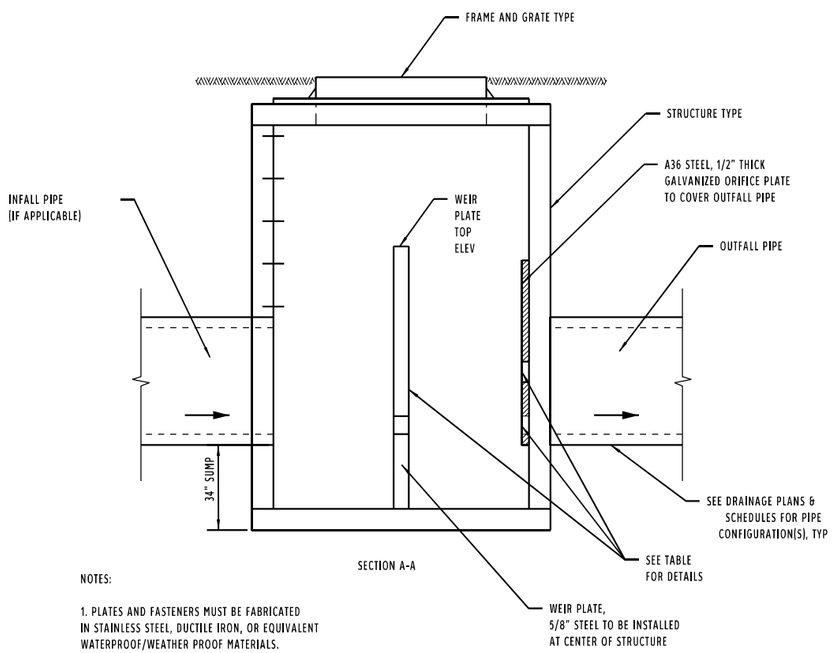
STRUCTURE NAME	ORIFICE 1, SIZE	ORIFICE 1, ELEV	ORIFICE 2, SIZE	ORIFICE 2, ELEV
A101	60 INCH	773.50	--	--



DRAINAGE RESTRICTOR



PLAN

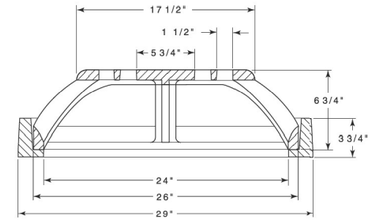


SECTION A-A

NOTES:

1. PLATES AND FASTENERS MUST BE FABRICATED IN STAINLESS STEEL, DUCTILE IRON, OR EQUIVALENT WATERPROOF/WEATHER PROOF MATERIALS.

2. SEE TABLE FOR ORIFICE DETAILS





NOTES:

GRATE TO BE EQUIVALENT TO THE SPECIFICATIONS FOR A NEENAH GRATE R-4349-C

GRATE NO. 1 (SPECIAL)

NAME		STRUCTURE TYPE	FRAME AND GRATE TYPE	OUTFALL PIPE	ORIFICE PLATE				WEIR PLATE		
STRUCTURE	PAY ITEM				ORIFICE DIA. 1	INVERT OF ORIFICE 1	ORIFICE DIA. 2	INVERT OF ORIFICE 2	TOP ELEV	ORIFICE DIA.	INVERT OF ORIFICE
C110, NO. 1	X6020001	4' MANHOLE	GR NO. 1 (SPEC)	4-FT	4-IN	820.50	4"	820.50	--	--	--
E105, NO. 2	X6020002	7' MANHOLE	GR NO. 1 (SPEC)	4-FT	--	--	--	--	818.20	13-IN	811.50
E130, NO. 3	X6020003	7' MANHOLE	GR NO. 1 (SPEC)	4-FT	--	--	--	--	820.00	12-IN	812.50
F103, NO. 4	X6020004	8' MANHOLE	GR NO. 1 (SPEC)	5-FT	48-IN	801.60	--	--	--	--	--
F108, NO. 5	X6020005	7' MANHOLE	GR NO. 1 (SPEC)	4-FT	--	--	--	--	--	--	--
F207, NO. 6	X6020006	8' MANHOLE	GR NO. 1 (SPEC)	5-FT	48-IN	806.70	--	--	--	--	--
G404, NO. 7	X6020007	7' MANHOLE	T9 F&G	3-FT	--	--	--	--	--	--	--
G405, NO. 8	X6020008	9' MANHOLE	T9 F&G	3-FT	18-IN	792.25	--	--	--	--	--
G407, NO. 9	X6020009	7' MANHOLE	GR NO. 1 (SPEC)	4-FT	--	--	--	--	--	--	--
G843, NO. 10	X6020010	4' MANHOLE	GR NO. 1 (SPEC)	2-FT	12-IN	783.70	--	--	--	--	--

NOTE 1: PAID AS EACH PER DRAINAGE SCHEDULE
NOTE 2: DETAIL PROVIDED FOR INCLUDED COMPONENT(S) ONLY

CONTROL STRUCTURE (SPECIAL)

MODEL: Structure Schedule
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000s/108000_00/Eng_Docs/CAD_Sheets/Drainage/D264C62-dtl-rail-SHDET-02.dgn

benesch
Alfred Benesch & Company
30 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 108000.00

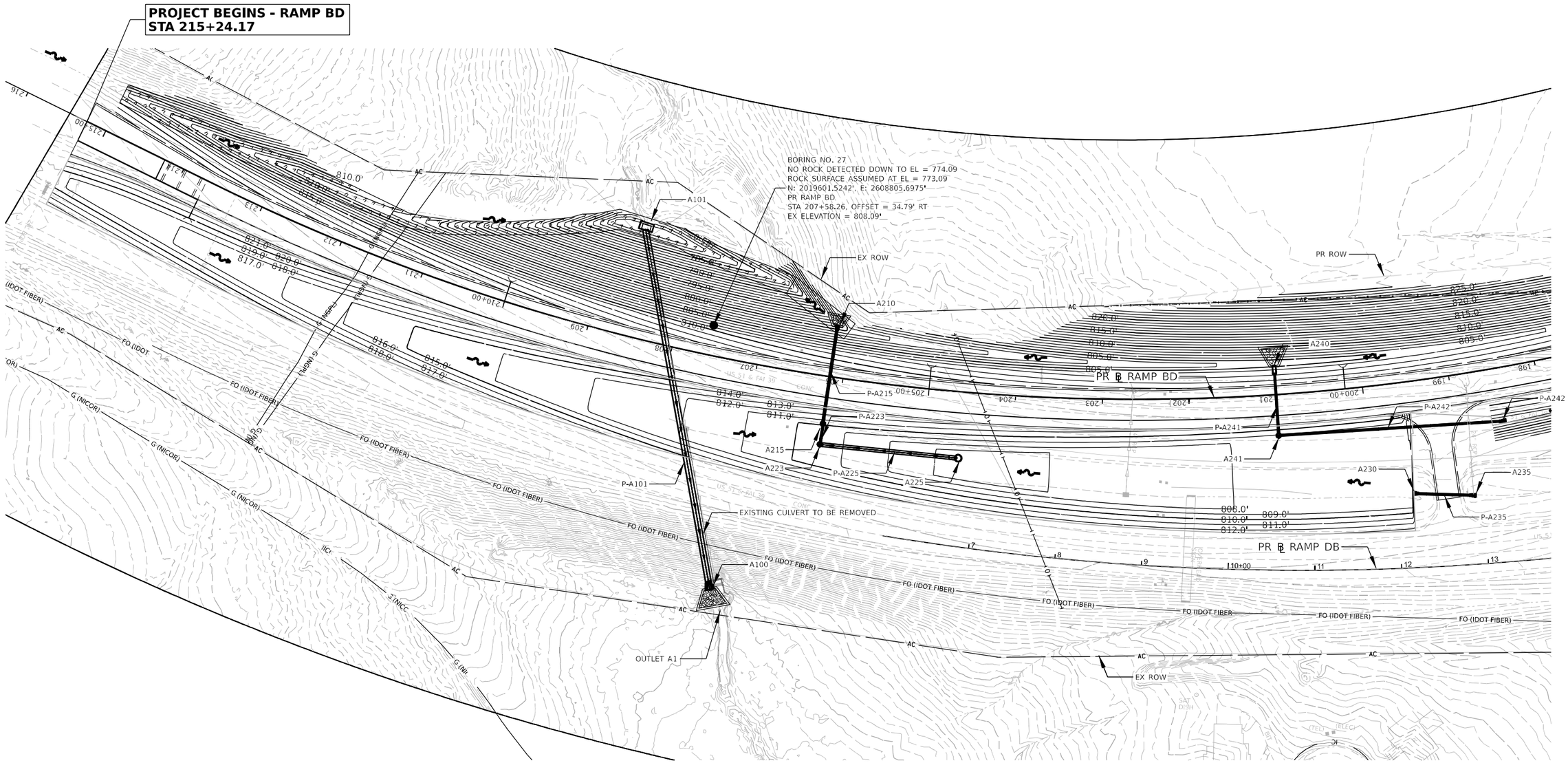
USER NAME = jMacher	DESIGNED - C. RUTKOWSKI	REVISED -
	DRAWN - J. MACHER	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - E. DEAN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAIANGE DETAILS

SCALE: N/A | SHEET 44 OF 44 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	625
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



MODEL: C-D Plan [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Grading/D2642C62-sht-BasinA.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = jMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
BASIN A

SCALE: N/A | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	626
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

N

0 50 100 150
SCALE IN FEET

BORING NO. 1
WEATHERED ROCK ELEVATION = 812.52
SOLID ROCK ELEVATION = 811.52
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2021062.7285', E: 2609327.1798'
PR RAMP BD
STA 191+94.96, OFFSET = 73.19' LT
EX ELEVATION = 813.52'

EX ROW

RIPRAP APRON
(SEE SCHEDULE)

B201A

PR ℄ RAMP AD

PR ℄ RAMP BD

ROCK SURFACE ASSUMED
AT EL = 810.46'

BORING NO. 6
WEATHERED ROCK
ELEVATION = 810.46
SOLID ROCK
ELEVATION = 808.46
WEATHERED ROCK
ELEVATION USED
FOR VOLUME
CALCULATION
N: 2022245.2382',
E: 2609112.8436'
PR RAMP BD
STA 179+97.70,
OFFSET = 82.36' LT
EX ELEVATION = 816.46'

EXISTING CULVERT TO BE REMOVED

P-B201

ROCK SURFACE ASSUMED AT EL = 797.71'

B200

12" TOPSOIL PLACEMENT ON
POND BOTTOM (SHADED AREA)

BORING NO. 3
SOLID ROCK ELEVATION = 797.71
N: 2021745.3914', E: 2609235.3538'
PR RAMP BD
STA 185+19.97, OFFSET = 98.51' LT
EX ELEVATION = 808.71'

RIPRAP APRON
(SEE SCHEDULE)

EX RAMP BD TO BE REMOVED

EXISTING CULVERT
TO BE REMOVED

BORING NO. 5
SOLID ROCK
ELEVATION = 805.83'
N: 2022229.4315',
E: 2609288.7713'
PR RAMP BD
STA 180+42.09,
OFFSET = 254.07' LT
EX ELEVATION = 815.83'

RAMP BD
STA 191+42
O/S 69.0' LT
R=5'

B105

B102

B101

RIPRAP APRON
(SEE SCHEDULE)

POND B1

BORING NO. 2
NO ROCK ENCOUNTERED DOWN TO 802.12
ROCK SURFACE ASSUMED AT 801.12
N: 2021724.9000', E: 2609440.1455'
PR RAMP DB
STA 27+18.80, OFFSET = 127.36' LT
EX ELEVATION = 833.12'

RAMP DB
STA 21+07
O/S 133.8' LT
R=5'

EXISTING CULVERT TO BE REMOVED

ROCK EL = 811.80'

P-B105

P-B102

ROCK SURFACE ASSUMED AT EL = 801.12'

BORING NO. 4
NO ROCK ENCOUNTERED DOWN
TO 802.15
ROCK SURFACE ASSUMED
AT 801.15
N: 2022222.2235',
E: 2609432.8208'
PR RAMP DB
STA 32+15.75,
OFFSET = 147.98' LT
EX ELEVATION = 841.15'

B100A

ROCK EL = 807.68'

PR ℄ RAMP DA

P-B101

PROJECT BEGINS - RAMP DA
STA 333+40.02

FO (IDOT FIBER)

B100

P-B402

B402

P-B404

B404

P-B406

PR ℄ RAMP DB

B408

P-B408

B406

OUTLET B

P-100A

RIPRAP APRON
(SEE SCHEDULE)

MODEL: C-D Plan [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Grading/D2164C62-2ff4-B.dgn

benesch Alfred Benesch & Company 35 W. Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10800.00	USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	**GRADING PLAN** **BASIN B**
		DRAWN - J. MACHER	REVISED -		
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -		SCALE: N/A SHEET 2 OF 7 SHEETS STA. TO STA.
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	627
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

N

0 50 100 150
SCALE IN FEET

PROJECT BEGINS - RAMP AD
STA 80+00.00

PR ℄ RAMP AD

ROCK SURFACE ASSUMED AT EL = 819.27'

ROCK SURFACE ASSUMED AT EL = 810.46'

BORING NO. 6
WEATHERED ROCK ELEVATION = 810.46
SOLID ROCK ELEVATION = 808.46
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2022245.2382', E: 2609112.8436'
PR RAMP BD
STA 179+97.70, OFFSET = 82.36' LT
EX ELEVATION = 816.46'

ROCK SURFACE ASSUMED AT EL = 819.27'

12" TOPSOIL PLACEMENT ON POND BOTTOM
(SHADED AREA)

B315
P-B315
ROCK EL = 820.70'
ROCK EL = 825.70'
ROCK EL = 827.50'
P-B312
B310
ROCK EL = 828.00'
ROCK EL = 828.50'
ROCK EL = 826.10'
ROCK EL = 830.20'
PR ℄ RAMP BD
ROCK EL = 830.90'
ROCK EL = 832.00'
ROCK EL = 831.60'
ROCK EL = 828.90'
ROCK EL = 834.80'
ROCK EL = 832.10'
ROCK EL = 834.30'
ROCK EL = 830.00'
ROCK EL = 828.00'
ROCK EL = 832.60'

RIPRAP APRON
(SEE SCHEDULE)

BORING NO. 9
WEATHERED ROCK ELEVATION = 819.27
SOLID ROCK ELEVATION = 817.27
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2022732.4988', E: 2609098.2360'
PR RAMP BD
STA 174+92.66, OFFSET = 87.09' LT
EX ELEVATION = 821.27'

BORING NO. 8
WEATHERED ROCK ELEVATION = 815.23
SOLID ROCK ELEVATION = 813.23
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2022741.0433', E: 2609273.3062'
PR RAMP BD
STA 174+71.58, OFFSET = 261.27' LT
EX ELEVATION = 818.23'

EX RAMP BD TO BE REMOVED

POND B1

BORING NO. 7
WEATHERED ROCK ELEVATION = 810.63
SOLID ROCK ELEVATION = 805.63
N: 2022768.912', E: 2609383.598'
PR RAMP DB
STA 37+60.93, OFFSET = 211.80' LT
EX ELEVATION = 822.63'

BORING NO. 5
SOLID ROCK ELEVATION = 805.83'
N: 2022229.4315', E: 2609288.7713'
PR RAMP BD
STA 180+42.09, OFFSET = 254.07' LT
EX ELEVATION = 815.83'

BORING NO. 12
WEATHERED ROCK ELEVATION = 828.75
SOLID ROCK ELEVATION = 825.75
WEATHERED ROCK ELEVATION
USED FOR VOLUME CALCULATION
N: 2023494.6175', E: 2609413.6992'
PR RAMP BD
STA 166+21.87, OFFSET = 222.36' LT
EX ELEVATION = 851.75'

BORING NO. 11
WEATHERED ROCK ELEVATION = 821.87
SOLID ROCK ELEVATION = 817.87
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2023229.0519', E: 2609412.0625'
PR RAMP BD
STA 169+01.63, OFFSET = 311.03' LT
EX ELEVATION = 851.87'

BORING NO. 4
NO ROCK ENCOUNTERED DOWN TO 802.15
ROCK SURFACE ASSUMED AT 801.15
N: 2022222.2235', E: 2609432.8208'
PR RAMP DB
STA 32+15.75, OFFSET = 147.98' LT
EX ELEVATION = 841.15'

ROCK SURFACE ASSUMED AT EL = 810.63'

ROCK SURFACE ASSUMED AT EL = 821.87'

PR ℄ RAMP DA

US 51 & FAI 39

PROJECT BEGINS - RAMP DB
STA 38+40.82

PR ℄ RAMP DB

MODEL: C-D Plan [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108005/10800.00/Eng_Docs/CAD Sheets/Grading/D264C02-sht-BasinB2.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = jMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

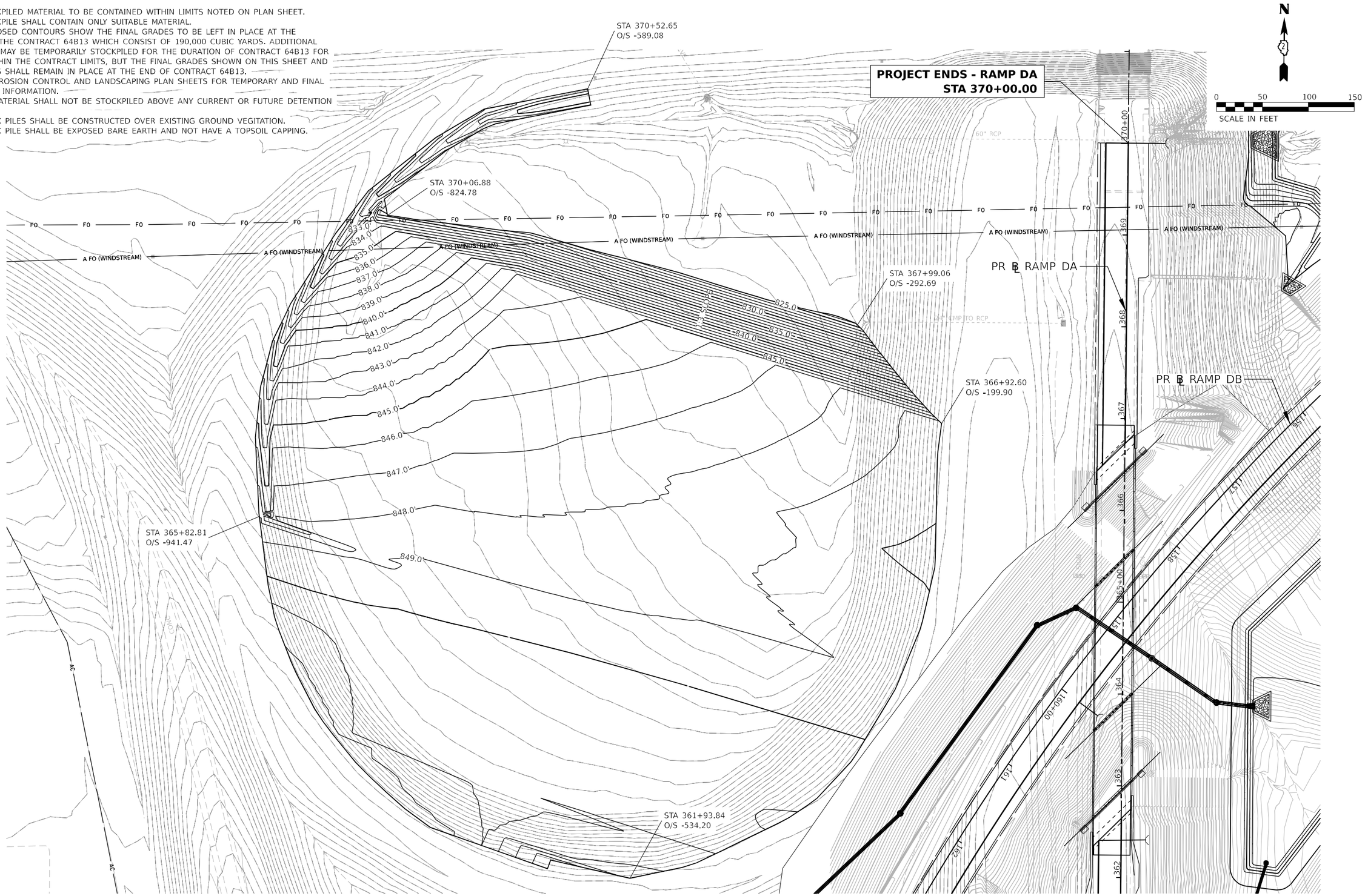
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
BASIN B

SCALE: N/A | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	628
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

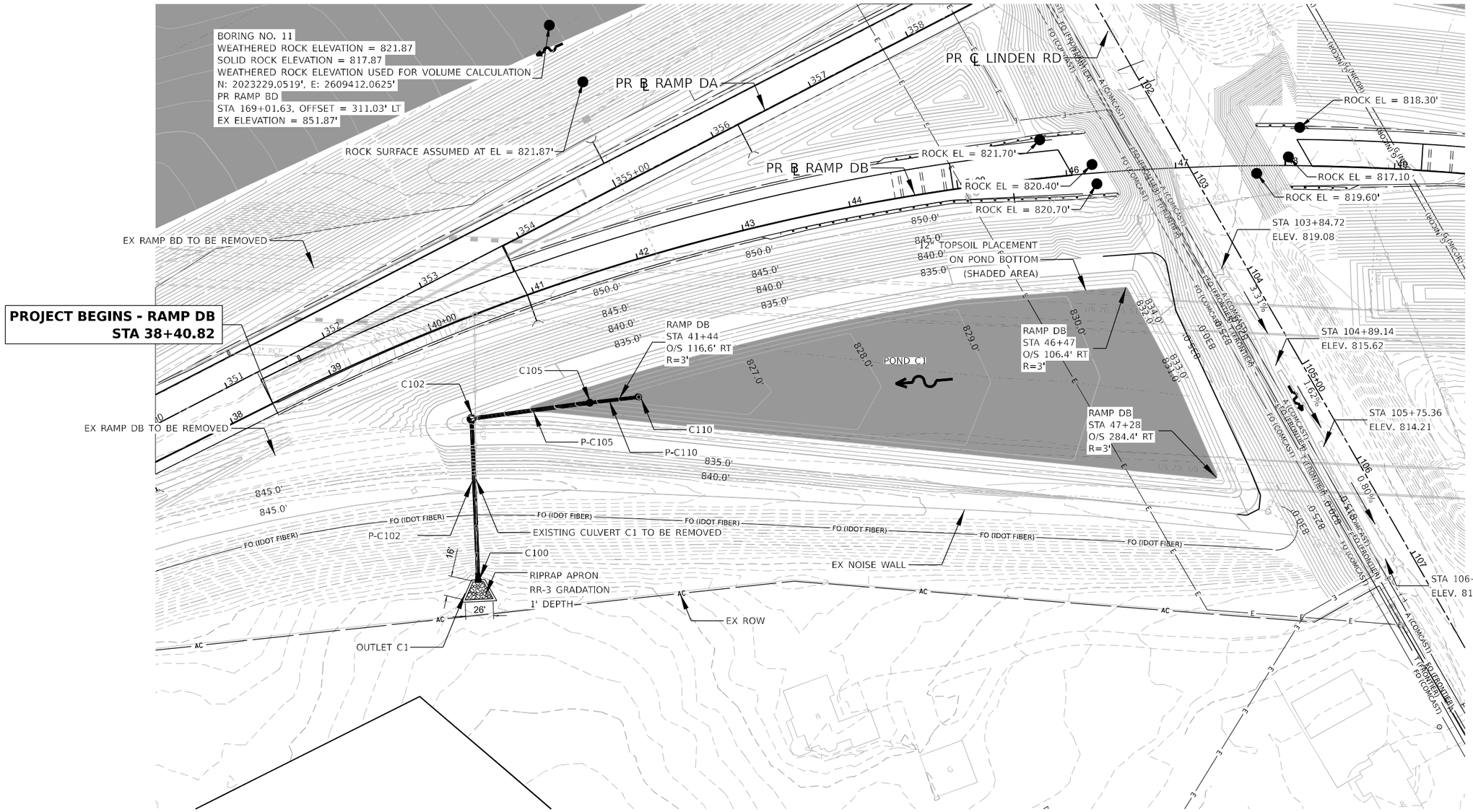
NOTES:
1. STOCKPILED MATERIAL TO BE CONTAINED WITHIN LIMITS NOTED ON PLAN SHEET.
2. STOCKPILE SHALL CONTAIN ONLY SUITABLE MATERIAL.
3. PROPOSED CONTOURS SHOW THE FINAL GRADES TO BE LEFT IN PLACE AT THE END OF THE CONTRACT 64B13 WHICH CONSIST OF 190,000 CUBIC YARDS. ADDITIONAL VOLUME MAY BE TEMPORARILY STOCKPILED FOR THE DURATION OF CONTRACT 64B13 FOR USE WITHIN THE CONTRACT LIMITS, BUT THE FINAL GRADES SHOWN ON THIS SHEET AND VOLUMES SHALL REMAIN IN PLACE AT THE END OF CONTRACT 64B13.
4. SEE EROSION CONTROL AND LANDSCAPING PLAN SHEETS FOR TEMPORARY AND FINAL SEEDING INFORMATION.
5. A.1 MATERIAL SHALL NOT BE STOCKPILED ABOVE ANY CURRENT OR FUTURE DETENTION BASINS.
6. STOCK PILES SHALL BE CONSTRUCTED OVER EXISTING GROUND VEGITATION.
7. STOCK PILE SHALL BE EXPOSED BARE EARTH AND NOT HAVE A TOPSOIL CAPPING.



benesch Alfred Benesch & Company 35 W. Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10800.00	USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	**GRADING PLAN** **STOCKPILE SITE**
		DRAWN - J. MACHER	REVISED -		
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -		
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		SCALE: N/A SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	629
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: Stockpile Site Plan [Sheet]
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\10800s\10800.00\Eng Docs\CAD Sheets\Grading\D26\4C02-sht-StockpileSite.dgn



MODEL: C-D Plan [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108005/10800.00/Eng_Docs/CAD_Sheets/Grading/D264C62-alt-BasinC-D.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
Job No. 10800.00

USER NAME = jMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
BASIN C

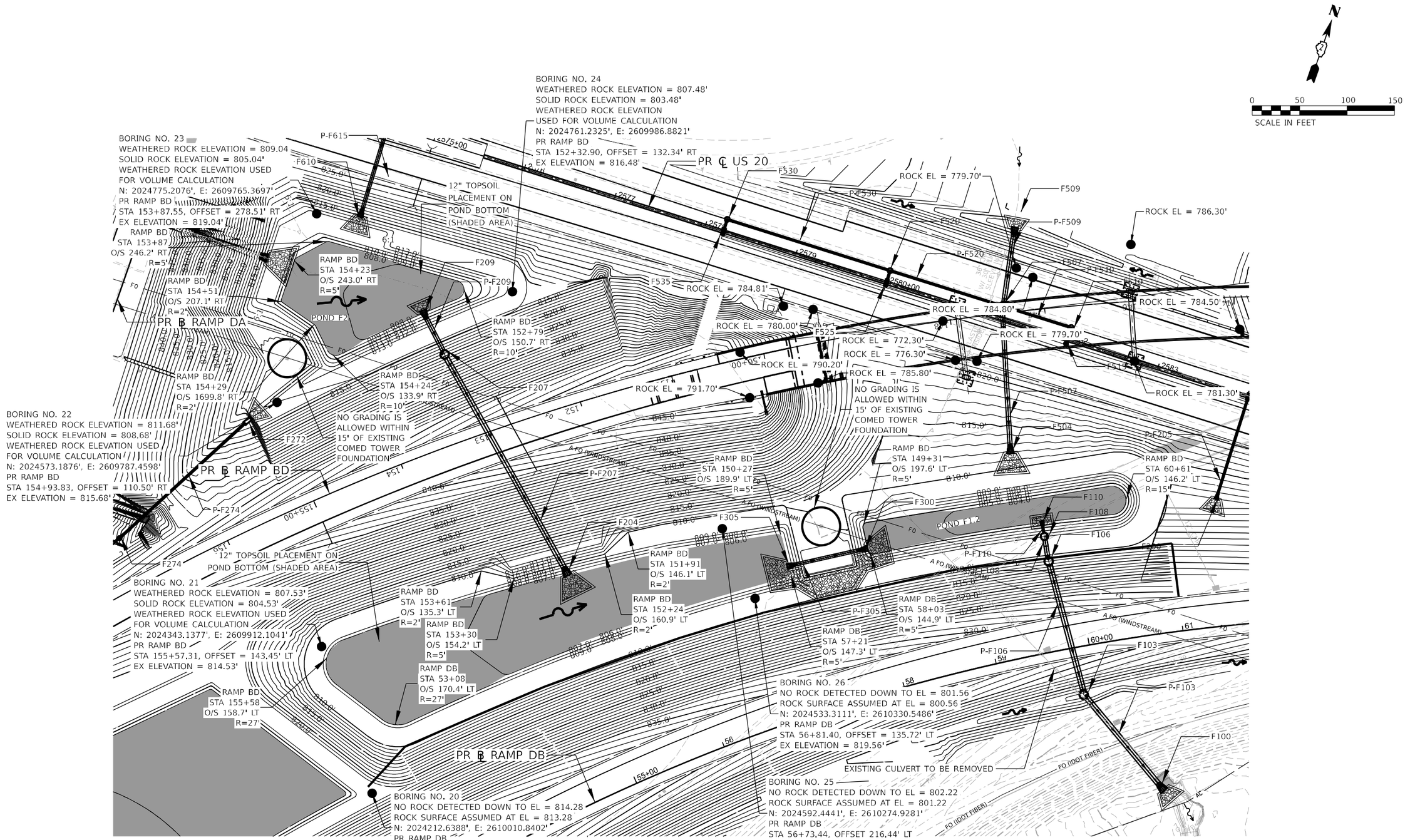
SCALE: N/A | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	630
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

N

0 50 100 150
SCALE IN FEET

ROCK EL = 820.80'
ROCK EL = 825.50'
12" TOPSOIL PLACEMENT ON POND BOTTOM (SHADED AREA)
RAMP BD STA 156+89 O/S 131.9' LT R=10'
RAMP DB STA 52+32 O/S 132.6' LT R=5'
BORING NO. 20
NO ROCK DETECTED DOWN TO EL = 814.28
ROCK SURFACE ASSUMED AT EL = 813.28
N: 2024212.6388', E: 2610010.8402'
PR RAMP DB
STA 52+54.59, OFFSET = 119.39' LT
EX ELEVATION = 833.28'
ROCK EL = 823.20'
PR ℄ RAMP BD
POND E1.2
RAMP BD STA 158+19 O/S 123.5' LT R=5'
BORING NO. 19
WEATHERED ROCK ELEVATION = 820.46
SOLID ROCK ELEVATION = 817.46'
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2024184.1855', E: 2609715.2394'
PR RAMP BD
STA 158+21.71, OFFSET = 111.86' LT
EX ELEVATION = 840.46'
ROCK EL = 823.90'
ROCK EL = 822.00'
BORING NO. 18
WEATHERED ROCK ELEVATION = 821.08'
SOLID ROCK ELEVATION = 819.08'
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2023932.0711', E: 2609717.3662'
PR RAMP DB
STA 48+83.02, OFFSET = 192.90' LT
EX ELEVATION = 826.08'
RAMP DB STA 48+83 O/S 182.8' LT R=3'
RAMP DB STA 48+92 O/S 160.1' LT R=3'
CONTROL STR E130
RAMP BD STA 164+74 O/S 157.6' RT R=3'
BORING NO. 17
WEATHERED ROCK ELEVATION = 834.93
SOLID ROCK ELEVATION = 831.93
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2023764.9471', E: 2609143.3280'
PR RAMP BD
STA 164+85.67, OFFSET = 135.89' RT
EX ELEVATION = 835.93
STA 100+81.85 O/S 81.1' LT
PR ℄ RAMP DA
12" TOPSOIL PLACEMENT ON POND BOTTOM (SHADED AREA)
RAMP BD STA 165+23 O/S 240.0' RT R=3'
POND E2
ROCK EL = 832.70'
ROCK EL = 832.70'
POT STA 361+00.00
ROCK EL = 818.30'
STA 102+79.70 O/S 71.4' LT
CHAIN LINK FENCE, 6'
STA 103+64.24 O/S 72.4' LT
STA 106+82.32 O/S 67.4' LT
FENCE REMOVAL
EXISTING CULVERT
ROCK EL = 833.70'
POT STA 360+00.00
ROCK EL = 817.10
ROCK EL = 819.60'
ROCK EL = 828.80'
ROCK EL = 832.70'
STA 101+68.69 O/S 40.9' RT
STA 107+08.59 O/S 42.1' RT
OUTLET E
CHAIN LINK FENCE, 6'
BORING NO. 16
WEATHERED ROCK ELEVATION = 836.66
SOLID ROCK ELEVATION = 832.66
WEATHERED ROCK ELEVATION USED FOR VOLUME CALCULATION
N: 2023782.4247', E: 2608919.8169'
PR RAMP BD
STA 165+58.22, OFFSET = 345.58' RT
EX ELEVATION = 839.66'
PR ℄ LINDEN ROAD
FENCE REMOVAL
CHAIN LINK FENCE, 6'
STA 100+75.35 O/S 80.1' RT
POND E3
STA 108+08.66 O/S 93.4' LT
FENCE REMOVAL
P-F209
P-E325
P-E330
P-E322
E322
E320
P-E320
P-E315
E315
E310
E325
E304
E133
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P-B705
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B710
B700
P-E238
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P-E240
E240
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FO (FRONTIER)
FO (COMCAST)
A (COMCAST)
T (FRONTIER)
G (NICOR)
AC
CHAIN LINK FENCE, 6'
FENCE REMOVAL
EXISTING CULVERT
OUTLET E
POND E1.1
POND E2
POND E3



MODEL: C-D Plan [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800/10800.00/Eng_Docs/CAD_Sheets/Grading/D2642K62-sht-BasinF.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = jMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
BASIN F

SCALE: N/A | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	632
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

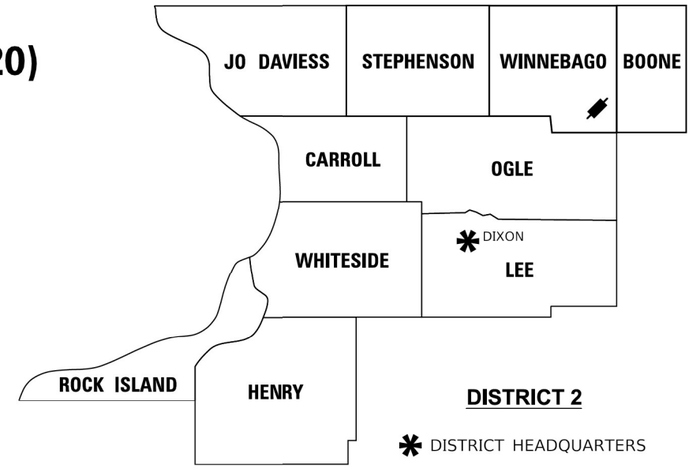
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPACE RESERVED FOR RECORDING OFFICER

SHEET INDEX		
SHEET NO.	STATION to STATION	DESCRIPTION
1		COVERSHEET
2		LEGENDS & STATEMENTS
3	2520+00 to 2535+00	ROW PLAT
4	2599+00 to 2613+00	ROW PLAT
5	2599+00 to 2613+00	TEMP. EASE. PLAT
6	2601+00 to 2610+00	TEMP. EASE. PLAT

PLAT OF HIGHWAYS

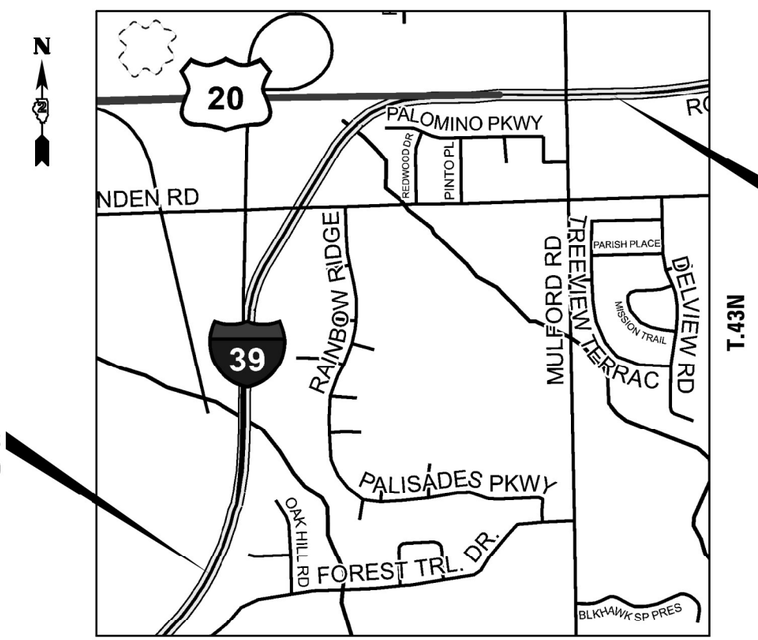
FAI ROUTE 39 (I–39) & FAP ROUTE 301 (US 20)
SECTION (201–3)K & (4–1,5)R
WINNEBAGO COUNTY
JOB NO. R–92–001–22



DISTRICT 2

✱ DISTRICT HEADQUARTERS

LOCATION OF SECTION INDICATED THUS:



PREPARED BY:

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192
ASE JOB # 119172

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · DIXON, ILL. · PROFESSIONAL LAND SURVEYOR

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
CURRENT EXPIRATION DATE: NOVEMBER 30, 2024

MODEL: Default
FILE NAME: i:\119172\Land Acquisition\02-64B13-prt-cowplat01.dgn

USER NAME = hillsc	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/27/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
LAND SECTION 9, 10, 16	T 43N, R 2E OF 3RD P.M.	39	(201-3)K & (4-1,5)R	WINNEBAGO	2192	633
JOB# R-92-001-22	DRAWER FOLDER			CONTRACT NO. 64B13		
SCALE: NTS	SHEET 1 OF 6 SHEETS STA. 203+00 TO STA. 2610+50			ILLINOIS	FED. AID PROJECT	

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

- TRAFFIC SIGNAL GULFBOX
- TRAFFIC SIGNAL HANDHOLE
- TRAFFIC SIGNAL SIGNAL POST
- TRAFFIC SIGNAL STEEL MAST ARM
- TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON
- TRAFFIC SIGNAL WOODEN POLE
- TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY
- TRAFFIC SIGNAL VEHICLE DETECTION MAGNET
- TRAFFIC SIGNAL JUNCTION BOX
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL HEAVY DUTY HANDHOLE
- RAILROAD CANTILEVER MAST ARM
- RAILROAD CROSSBUCK
- RAILROAD TRACK
- RAILROAD TRACK (ABANDONED)
- RAILROAD CROSSGATE
- RAILROAD CONTROL BOX
- RAILROAD FLASHING SIGNAL
- UTILITY TELEPHONE SPLICE BOX
- UTILITY POWER POLE
- UTILITY TRAFFIC SIGNAL
- UTILITY LIGHT POLE
- UTILITY FIRE HYDRANT
- UTILITY MANHOLE
- UTILITY TELEPHONE POLE
- UTILITY GUY ANCHOR
- UTILITY PIPELINE WARNING SIGN
- UTILITY HANDHOLE
- UTILITY SPLICE BOX
- UTILITY JUNCTION BOX
- UTILITY HEAVY DUTY HANDHOLE
- UTILITY DOUBLE HANDHOLE
- UTILITY CONTROLLER
- UTILITY WATER METER
- DRAINAGE FLOW LINE
- RIP RAP
- HEADWALL
- CULVERT END SECTION
- DRAINAGE MANHOLE
- INLET
- ROADWAY DITCH FLOW
- VEGETATION LINE
- STUMP
- SHRUB
- EVERGREEN TREE
- DECIDUOUS TREE
- WOODS/BUSH LINE
- TRAFFIC SIGN
- GUARDRAIL POST
- GUARDRAIL
- FIELD LINE
- LEVEE/NOISE BARRIER
- FENCE
- MAIL BOX
- ADVERTISING SIGN
- MARSH
- LIGHTING HANDHOLE
- LIGHTING POWER POLE
- LIGHTING JUNCTION BOX
- LIGHTING HEAVYDUTY HANDHOLE
- LIGHTING CONTROLLER
- LIGHTING PULL POINT
- HIGHWAY LIGHTING ELECTRICAL GROUND
- HIGHWAY LIGHTING SINGLE UNIT
- HIGHWAY LIGHTING DOUBLE UNIT
- EXISTING CONCRETE BARRIER
- EXISTING CREEK OR DITCH
- EXISTING EDGE OF PAVEMENT

RIGHT OF WAY LEGEND

SECTION CORNERS

QUARTER SECTION CORNERS

- EXISTING CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- FORMER RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- BUILDING SETBACK LINE
- EXISTING ACCESS CONTROL LINE
- EXISTING RIGHT OF WAY & ACCESS CONTROL LINE
- PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY LINE (TITLE)
- RECORDED PLAT/DEED LINE
- APPARENT PROPERTY LINE
- SAME OWNERSHIP
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
- SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
- FOUND CUT CROSS
- SET CUT CROSS

■ STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DEPARTMENT OF TRANSPORTATION SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

■B STAKING OF PROPOSED RIGHT OF WAY AND PERMANENT EASEMENT CORNERS IN CULTIVATED AREA, A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
℄	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
E	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m²	SQUARE METERS
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
ℙ	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SEC	SECTION
SQ FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
T	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001PE	PROPOSED PERMANENT EASEMENT
8001001TE	PROPOSED TEMPORARY EASEMENT
8001001DED	PROPOSED DEDICATION
8001001AC	PROPOSED ACCESS CONTROL LINE

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
R	RADIUS OF CURVE
L	LENGTH OF CURVE
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
E	EXTERNAL ORDINATE
Δ	DELTA

BASIS OF COORDINATE & BEARING STATEMENT

ALL COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE (WEST ZONE) NAD83 (2011 ADJUSTMENT)

GROUND DISTANCE = GRID DISTANCE DIVIDED BY PROJECT COMBINATION FACTOR OF 1.0000214018

AREAS SHOWN BASED ON GROUND DISTANCES

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN addition, THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON __/__/__:

1.
2.
3.

PREPARED BY:

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192
ASE JOB # 119172

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · DIXON, ILL. · PROFESSIONAL LAND SURVEYOR

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
CURRENT EXPIRATION DATE: NOVEMBER 30, 2024

MODEL: $MODELNAME$
FILE NAME: $FILE$

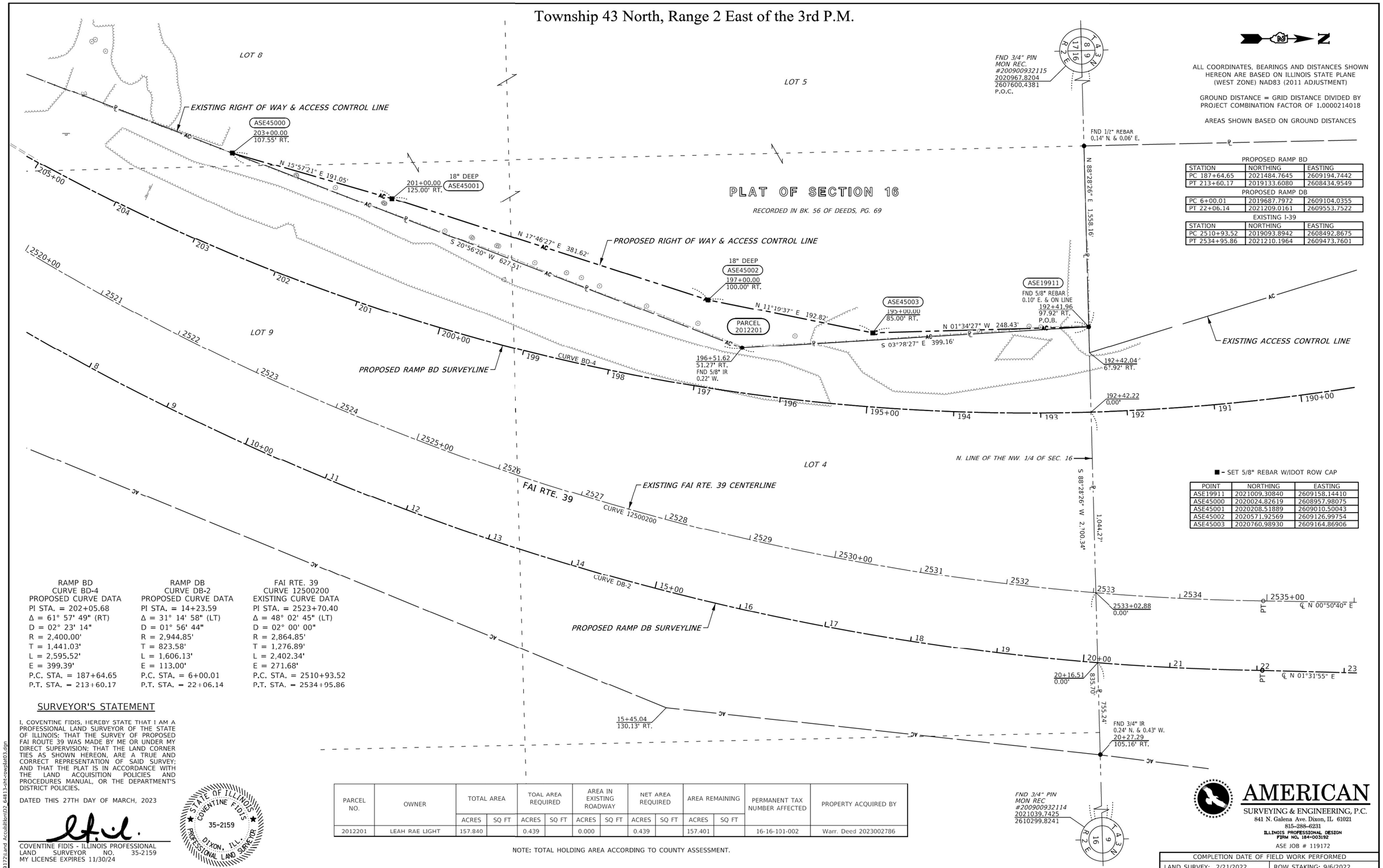
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	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

LAND SECTION 9, 10, 16	T 43N, R 2E OF 3RD P.M.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JOB# R-92-001-22	DRAWER FOLDER	39	(201-3)K & (4-1,5)R	WINNEBAGO	2192	634
SCALE: NTS	SHEET 2 OF 6 SHEETS			CONTRACT NO. 64B13		
				ILLINOIS	FED. AID PROJECT	

Township 43 North, Range 2 East of the 3rd P.M.



ALL COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE (WEST ZONE) NAD83 (2011 ADJUSTMENT)

GROUND DISTANCE = GRID DISTANCE DIVIDED BY PROJECT COMBINATION FACTOR OF 1.0000214018

AREAS SHOWN BASED ON GROUND DISTANCES

PROPOSED RAMP BD

STATION	NORTHING	EASTING
PC 187+64.65	2021484.7645	2609194.7442
PT 213+60.17	2019133.6080	2608434.9549

PROPOSED RAMP DB

PC 6+00.01	2019687.7972	2609104.0355
PT 22+06.14	2021209.0161	2609553.7522

EXISTING I-39

STATION	NORTHING	EASTING
PC 2510+93.52	2019093.8942	2608492.8675
PT 2534+95.86	2021210.1964	2609473.7601

■ – SET 5/8" REBAR W/IDOT ROW CAP

POINT	NORTHING	EASTING
ASE19911	2021009.30840	2609158.14410
ASE45000	2020024.82619	2608957.98075
ASE45001	2020208.51889	2609010.50043
ASE45002	2020571.92569	2609126.99754
ASE45003	2020760.98930	2609164.86906

RAMP BD
CURVE BD-4
PROPOSED CURVE DATA
PI STA. = 202+05.68
Δ = 61° 57' 49" (RT)
D = 02° 23' 14"
R = 2,400.00'
T = 1,441.03'
L = 2,595.52'
E = 399.39'
P.C. STA. = 187+64.65
P.T. STA. = 213+60.17

RAMP DB
CURVE DB-2
PROPOSED CURVE DATA
PI STA. = 14+23.59
Δ = 31° 14' 58" (LT)
D = 01° 56' 44"
R = 2,944.85'
T = 823.58'
L = 1,606.13'
E = 113.00'
P.C. STA. = 6+00.01
P.T. STA. = 22+06.14

FAI RTE. 39
CURVE 12500200
EXISTING CURVE DATA
PI STA. = 2523+70.40
Δ = 48° 02' 45" (LT)
D = 02° 00' 00"
R = 2,864.85'
T = 1,276.89'
L = 2,402.34'
E = 271.68'
P.C. STA. = 2510+93.52
P.T. STA. = 2534+95.86

SURVEYOR'S STATEMENT

I, COVENTINE FIDIS, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED FAI ROUTE 39 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAT IS IN ACCORDANCE WITH THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL, OR THE DEPARTMENT'S DISTRICT POLICIES.

DATED THIS 27TH DAY OF MARCH, 2023

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
MY LICENSE EXPIRES 11/30/24

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · PROFESSIONAL LAND SURVEYOR · DIXON, ILL.

PARCEL NO.	OWNER	TOTAL AREA		TOAL AREA REQUIRED		AREA IN EXISTING ROADWAY		NET AREA REQUIRED		AREA REMAINING		PERMANENT TAX NUMBER AFFECTED	PROPERTY ACQUIRED BY
		ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT		
2012201	LEAH RAE LIGHT	157.840		0.439		0.000		0.439		157.401		16-16-101-002	Warr. Deed 2023002786

NOTE: TOTAL HOLDING AREA ACCORDING TO COUNTY ASSESSMENT.

FND 3/4" PIN
MON REC
#200900932114
2021039.7425
2610299.8241

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192
ASE JOB # 119172

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 2/21/2022 | ROW STAKING: 9/6/2022

USER NAME = hillsc	DESIGNED - PS	REVISED -	
	DRAWN - CH	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - PS	REVISED -	
PLOT DATE = 3/27/2023	DATE - 03/21/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAT

LAND SECTION 16 | T 43N, R 2E OF 3RD P.M.
JOB# R-92-001-22 | DRAWER FOLDER
SCALE: 1" = 50' | SHEET 3 OF 6 SHEETS | STA. 2520+00 TO STA. 2535+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K & (4-1,5)R	WINNEBAGO	2192	635
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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Township 43 North, Range 2 East of the 3rd P.M.

PARCEL NO.	OWNER	TOTAL AREA		TOAL AREA REQUIRED		AREA IN EXISTING ROADWAY		NET AREA REQUIRED		AREA REMAINING		PERMANENT TAX NUMBER AFFECTED	PROPERTY ACQUIRED BY
		ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT		
2012202	D.M. CLARK COMPANIES, INC.	30.810		0.113		0.000		0.113		30.697		16-09-226-009	WARR. DEED 2023003841
2012203	D.M. CLARK COMPANIES, INC., AN ILLINOIS CORPORATION	126.380		0.108		0.000		0.108		126.272		16-10-101-002	WARR. DEED 2023000915

NOTE: TOTAL HOLDING AREA ACCORDING TO COUNTY ASSESSMENT.

N

ALL COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE (WEST ZONE) NAD83 (2011 ADJUSTMENT)

GROUND DISTANCE = GRID DISTANCE DIVIDED BY PROJECT COMBINATION FACTOR OF 1.0000214018

AREAS SHOWN BASED ON GROUND DISTANCES

SURVEYOR'S STATEMENT

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DATED THIS 27TH DAY OF MARCH, 2023

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
MY LICENSE EXPIRES 11/30/24

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · DIXON, ILL. · PROFESSIONAL LAND SURVEYOR

PROPOSED RAMP BD

STATION	NORTHING	EASTING
PCC 114+39.12	2025020.2651	2613752.1892
PT 119+24.28	2025024.7193	2613267.3350
PC 134+63.52	2025130.3048	2611731.7178

PROPOSED FAI RTE. 39

POT 2571+69.15	2024883.0902	2609527.9030
PC 2611+06.19	2024927.8595	2613464.6886
PT 2661+74.63	2027077.4586	2617873.3462

PROPOSED MULFORD RD.

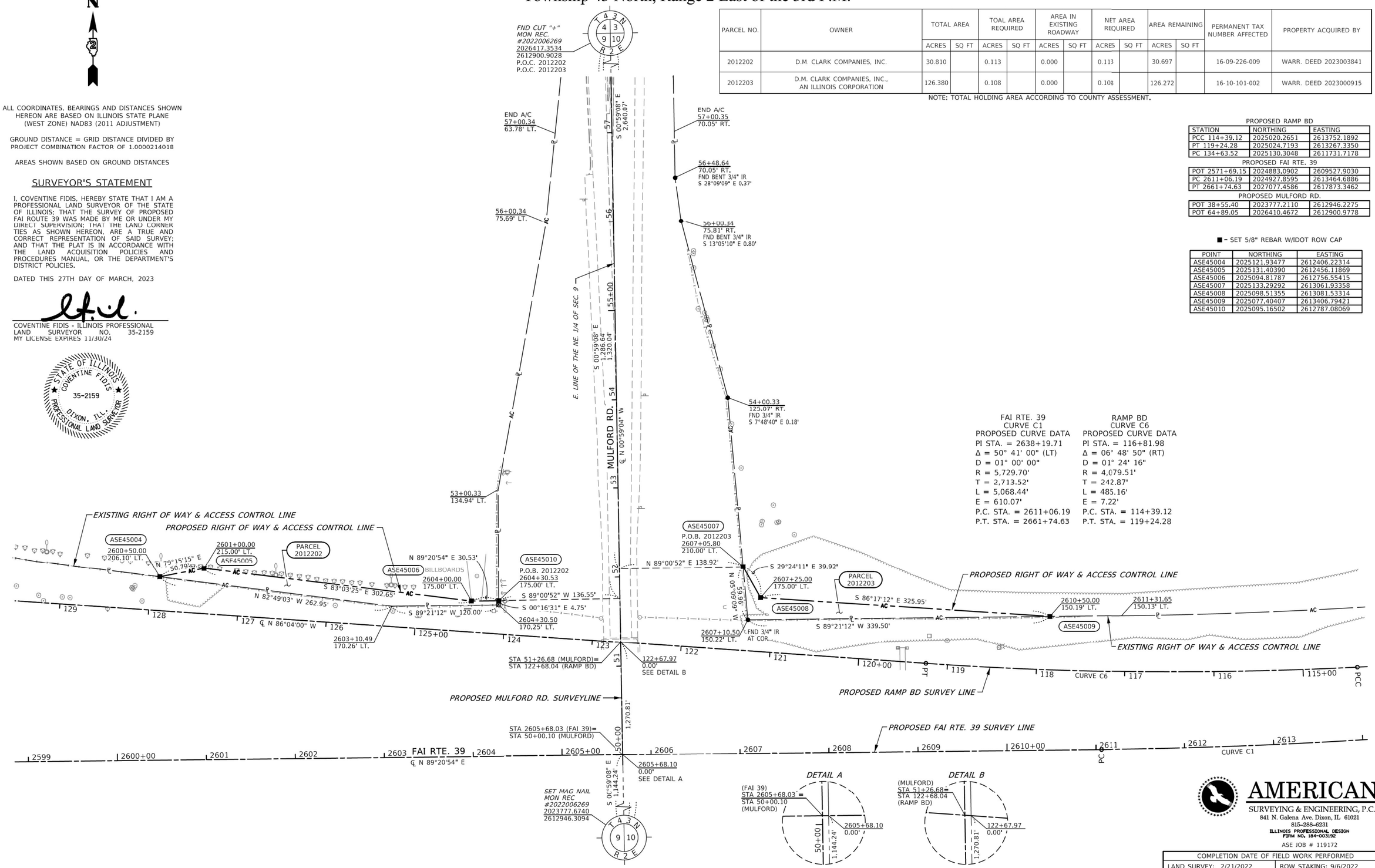
POT 38+55.40	2023777.2110	2612946.2275
POT 64+89.05	2026410.4672	2612900.9778

■ - SET 5/8" REBAR W/IDOT ROW CAP

POINT	NORTHING	EASTING
ASE45004	2025121.93477	2612406.22314
ASE45005	2025131.40390	2612456.11869
ASE45006	2025094.81787	2612756.55415
ASE45007	2025133.29292	2613061.93358
ASE45008	2025098.51355	2613081.53314
ASE45009	2025077.40407	2613406.79421
ASE45010	2025095.16502	2612787.08069

FAI RTE. 39
CURVE C1
PROPOSED CURVE DATA
PI STA. = 2638+19.71
Δ = 50° 41' 00" (LT)
D = 01° 00' 00"
R = 5,729.70'
T = 2,713.52'
L = 5,068.44'
E = 610.07'
P.C. STA. = 2611+06.19
P.T. STA. = 2661+74.63

RAMP BD
CURVE C6
PROPOSED CURVE DATA
PI STA. = 116+81.98
Δ = 06° 48' 50" (RT)
D = 01° 24' 16"
R = 4,079.51'
T = 242.87'
L = 485.16'
E = 7.22'
P.C. STA. = 114+39.12
P.T. STA. = 119+24.28



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USER NAME = hillsc	DESIGNED - PS	REVISED -	
	DRAWN - CH	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - PS	REVISED -	
PLOT DATE = 3/27/2023	DATE - 03/21/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAT

LAND SECTION 9, 10	T 43N, R 2E OF 3RD P.M.
JOB# R-92-001-22	DRAWER FOLDER
SCALE: 1" = 50'	SHEET 4 OF 6 SHEETS
	STA. 2599+00 TO STA. 2613+00

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 2/21/2022 ROW STAKING: 9/6/2022

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K & (4-1,5)R	WINNEBAGO	2192	636
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: J:\119172\Land Acquisition\D2_64B13-sht-rowplat04.dgn

Township 43 North, Range 2 East of the 3rd P.M.

N

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AREAS SHOWN BASED ON GROUND DISTANCES

SURVEYOR'S STATEMENT

I, COVENTINE FIDIS, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED FAI ROUTE 39 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAT IS IN ACCORDANCE WITH THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL, OR THE DEPARTMENT'S DISTRICT POLICIES.

DATED THIS 27TH DAY OF MARCH, 2023

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
MY LICENSE EXPIRES 11/30/24

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · DIXON, ILL. · PROFESSIONAL LAND SURVEYOR

PARCEL NO.	OWNER	EASEMENTS			PERMANENT TAX NUMBER AFFECTED
		TE=TEMPORARY		EASEMENT PURPOSE	
		ACRES	SQ FT		
2012202TE	D.M. CLARK COMPANIES, INC.	0.069	2,988	GRADING & SHAPING	16-09-226-009
2012203TE	D.M. CLARK COMPANIES, INC., AN ILLINOIS CORPORATION	0.025	1,074	GRADING & SHAPING	16-10-101-002

PROPOSED RAMP BD

STATION	NORTHING	EASTING
PCC 114+39.12	2025020.2651	2613752.1892
PT 119+24.28	2025024.7193	2613267.3350
PC 134+63.52	2025130.3048	2611731.7178

PROPOSED FAI RTE. 39

POT 2571+69.15	2024883.0902	2609527.9030
PC 2611+06.19	2024927.8595	2613464.6886
PT 2661+74.63	2027077.4586	2617873.3462

PROPOSED MULFORD RD.

POT 38+55.40	2023777.2110	2612946.2275
POT 64+89.05	2026410.4672	2612900.9778

FAI RTE. 39
CURVE C1
PROPOSED CURVE DATA
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P.C. STA. = 2611+06.19
P.T. STA. = 2661+74.63

RAMP BD
CURVE C6
PROPOSED CURVE DATA
PI STA. = 116+81.98
Δ = 06° 48' 50" (RT)
D = 01° 24' 16"
R = 4,079.51'
T = 242.87'
L = 485.16'
E = 7.22'
P.C. STA. = 114+39.12
P.T. STA. = 119+24.28

FND CUT "+" MON REC. #2022006269 2026417.3534 2612900.9028
P.O.C. 2012202TE
P.O.C. 2012203TE
END A/C 57+00.34 63.78' LT.
56+00.34 75.69' LT.
57+50.00 70.05' RT.
END A/C 57+00.35 70.05' RT.
PROPOSED TEMPORARY EASEMENT LINE
56+48.64 70.05' RT. FND BENT 3/4" IR S 28°09'09" E 0.37'
PARCEL 2012203TE
56+00.34 75.81' RT. FND BENT 3/4" IR S 13°05'10" E 0.80'
51.85' N 14°49'10" W
S 89°00'52" W 88.15'
P.O.B. 2012203TE 55+50.00 88.21' RT.
54+00.33 125.07' RT. FND 3/4" IR S 7°48'40" E 0.18'
E. LINE OF THE NE. 1/4 OF SEC. 9
S 00°59'08" E 945.93' 2,640.07'
S 00°59'08" E 1,320.04'
MULFORD RD.
℄ N 0°59'04" W
N 89°00'56" E 11.97'
53+10.00 145.00' LT.
53+10.00 133.03' LT.
S 10°11'11" W 9.86'
53+00.33 134.94' LT.
PARCEL 2012202TE
N 00°59'04" W 124.06'
S 00°18'51" E 124.44'
2604+21.95 185.00' LT. BILLBOARDS
P.O.B. 2012202TE 2604+30.53 175.00' LT.
S 89°00'52" W 136.55'
2604+30.50 170.25' LT.
S 89°20'54" W 30.53'
2603+10.49 170.26' LT.
EXISTING RIGHT OF WAY & ACCESS CONTROL LINE
PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE
2601+50.00 208.33' LT.
S 85°44'51" E 272.95'
N 83°03'23" W 252.21'
℄ N 86°04'00" W
STA 51+26.68 (MULFORD)= STA 122+68.04 (RAMP BD)
122+67.97 0.00' SEE DETAIL B
PROPOSED MULFORD RD. SURVEYLINE
STA 2605+68.03 (FAI 39)= STA 50+00.10 (MULFORD)
1,270.81'
1,144.24'
2605+68.10 0.00' SEE DETAIL A
SET MAG NAIL MON REC #2022006269 2023777.6740 2612946.3094
PROPOSED FAI RTE. 39 SURVEYLINE
FAI 39 ℄ N 89°20'54" E
2607+10.50 150.22' LT. FND 3/4" IR AT COR.
2611+31.65 150.13' LT.
PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE
EXISTING RIGHT OF WAY & ACCESS CONTROL LINE
PROPOSED RAMP BD SURVEYLINE
CURVE C6
CURVE C1
PC
PT
PCC

DETAIL A
(FAI 39) STA 2605+68.03 = STA 50+00.10 (MULFORD)
2605+68.10 0.00'
50+00
1,144.24'

DETAIL B
(MULFORD) STA 51+26.68= STA 122+68.04 (RAMP BD)
122+67.97 0.00'
1,270.81'

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192
ASE JOB # 119172

USER NAME = hillsc	DESIGNED - PS	REVISED -	
	DRAWN - CH	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - PS	REVISED -	
PLOT DATE = 3/27/2023	DATE - 03/21/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY EASEMENT PLAT

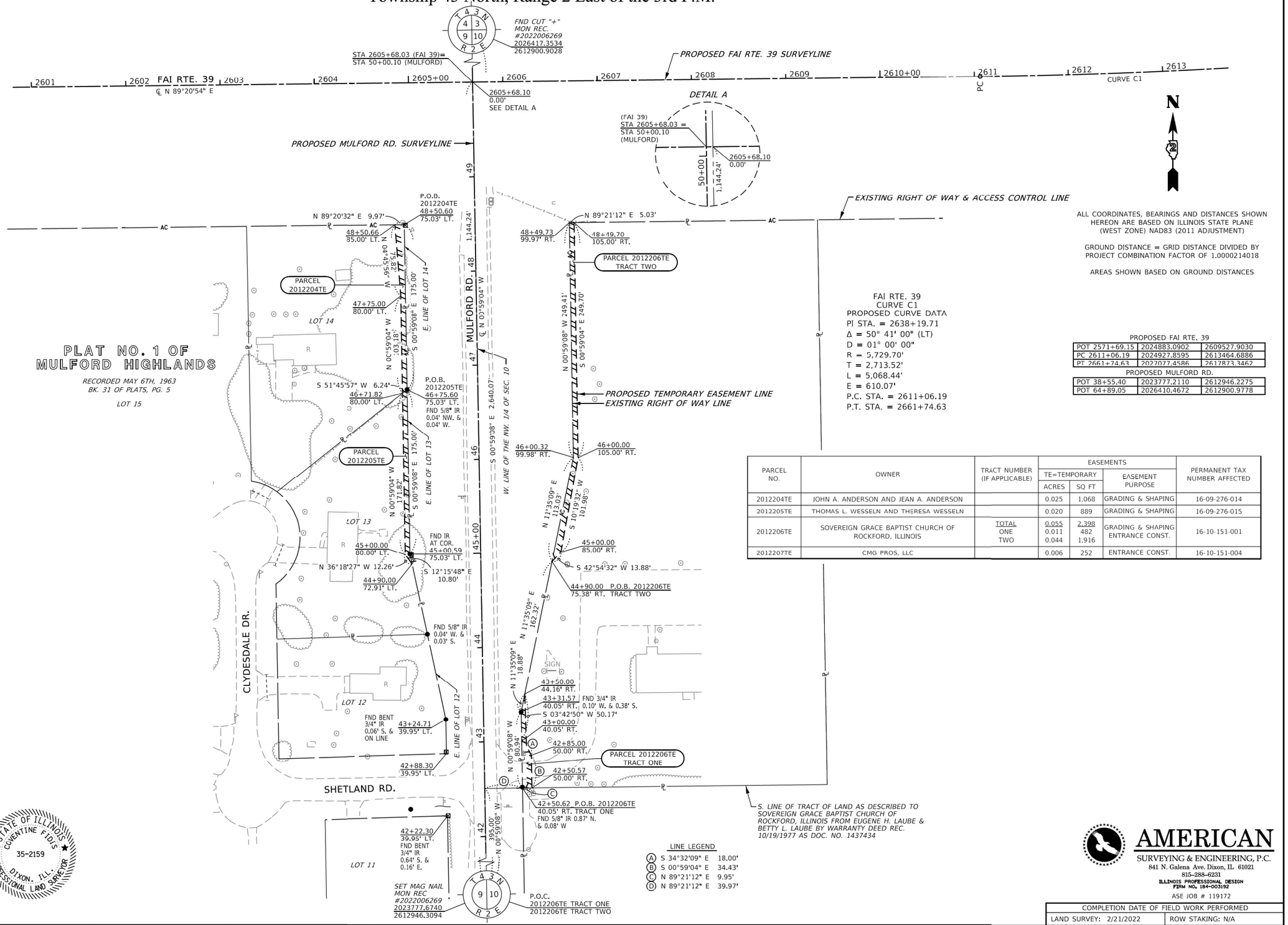
LAND SECTION 9, 10 | T 43N, R 2E OF 3RD P.M.
JOB# R-92-001-22 | DRAWER FOLDER
SCALE: 1" = 50' | SHEET 5 OF 6 SHEETS | STA. 2599+00 TO STA. 2613+00

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 2/21/2022 | ROW STAKING: N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K & (4-1.5)R	WINNEBAGO	2192	637
				CONTRACT NO. 64B13
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: J:\119172\Land Acquisition\D7_64B13-sht-xsplat05.dgn

Township 43 North, Range 2 East of the 3rd P.M.



ALL COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE (WEST ZONE) NAD83 (2011 ADJUSTMENT)

GROUND DISTANCE = GRID DISTANCE DIVIDED BY PROJECT COMBINATION FACTOR OF 1.0000214018

AREAS SHOWN BASED ON GROUND DISTANCES

FAI RTE. 39
CURVE C1
PROPOSED CURVE DATA
PI STA. = 2638+19.71
Δ = 50° 41' 00" (LT)
D = 01° 00' 00"
R = 5,729.70'
T = 2,713.52'
L = 5,068.44'
E = 610.07'
P.C. STA. = 2611+06.19
P.T. STA. = 2661+74.63

PROPOSED FAI RTE. 39

POT 2571+69.15	2024883.0902	2609527.9030
PC 2611+06.19	2024927.8595	2613464.6886
PT 2661+74.63	2027077.4586	2617873.3462

PROPOSED MULFORD RD.

POT 38+55.40	2023777.2110	2612946.2275
POT 64+89.05	2026410.4672	2612900.9778

PARCEL NO.	OWNER	TRACT NUMBER (IF APPLICABLE)	EASEMENTS TE=TEMPORARY ACRES	EASEMENTS SQ FT	EASEMENT PURPOSE	PERMANENT TAX NUMBER AFFECTED
2012204TE	JOHN A. ANDERSON AND JEAN A. ANDERSON		0.025	1,068	GRADING & SHAPING	16-09-276-014
2012205TE	THOMAS L. WESSELN AND THERESA WESSELN		0.020	889	GRADING & SHAPING	16-09-276-015
2012206TE	SOVEREIGN GRACE BAPTIST CHURCH OF ROCKFORD, ILLINOIS	TOTAL ONE TWO	0.055 0.011 0.044	2,398 482 1,916	GRADING & SHAPING ENTRANCE CONST.	16-10-151-001
2012207TE	CMG PROS, LLC		0.006	252	ENTRANCE CONST.	16-10-151-004

SURVEYOR'S STATEMENT

I, COVENTINE FIDIS, HEREBY STATE THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED FAI ROUTE 39 WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE LAND CORNER TIES AS SHOWN HEREON, ARE A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY; AND THAT THE PLAT IS IN ACCORDANCE WITH THE LAND ACQUISITION POLICIES AND PROCEDURES MANUAL, OR THE DEPARTMENT'S DISTRICT POLICIES.

DATED THIS 27TH DAY OF MARCH, 2023

STATE OF ILLINOIS · COVENTINE FIDIS · 35-2159 · DIXON, ILL. · PROFESSIONAL LAND SURVEYOR

COVENTINE FIDIS - ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
MY LICENSE EXPIRES 11/30/24

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192
ASE JOB # 119172

COMPLETION DATE OF FIELD WORK PERFORMED
LAND SURVEY: 2/21/2022 ROW STAKING: N/A

USER NAME = hillsc	DESIGNED - PS	REVISED -
	DRAWN - CH	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - PS	REVISED -
PLOT DATE = 3/27/2023	DATE - 03/21/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY EASEMENT PLAT

LAND SECTION 9, 10 — T 43N, R 2E OF 3RD P.M.
JOB# R-92-001-22 — DRAWER FOLDER
SCALE: 1" = 50' — SHEET 6 OF 6 SHEETS — STA. 2601+00 TO STA. 2610+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K & (4-1,5)R	WINNEBAGO	2192	638
		CONTRACT NO. 64B31		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: J:\119172\Land Acquisition\D2_64B13-sht-replat06.dgn

EXISTING SIGNS (REMOVALS & REINSTALLATIONS)																			
LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 REMOVE SIGN PANEL - TYPE 2	72400330 REMOVE SIGN PANEL - TYPE 3	73600100 REMOVE OH SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD	73800005 REMOVE STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - SPAN	X7200075 REMOVE AND REINSTALL SIGN PANEL	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(SQFT)	
US-20	D9-2	1138+87	LT	HOSPITAL	BREAK-AWAY STEEL	48.0	48.0	16.0			16.0			1	1				
US-20	M5-6	1138+87	LT	LANE DESIGNATION	BREAK-AWAY STEEL	48.0	24.0	8.0		8.0									NEXT RIGHT
US-20	R2-1	1157+10	LT	SPEED LIMIT - 65	WOOD POST	48.0	60.0	20.0			20.0								
US-20	R2-1102	1157+10	LT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0			12.0								
US-20	M3-4	1157+10	LT	WEST	WOOD POST	36.0	18.0	4.5		4.5									
US-20	M1-4	1157+10	LT	U.S. ROUTE SIGN	WOOD POST	36.0	36.0	9.0										9.0	
EX US-20 ALIGNMENT TIES INTO PR US-20/I-39 ALIGNMENT AT: EX STA 1158+45.10/PR STA 2571+69.15																			
US-20	W4-1	2579+13	LT	MERGE	WOOD POST	48.0	48.0	16.0			16.0								
US-20	21,J,K	2582+72	LT	GAS-EXIT	BREAK-AWAY STEEL	180.0	120.0	150.0				150.0		2	2				
US-20	D9-11C	2582+72	LT	ALTERNATIVE FUEL	BREAK-AWAY STEEL	36.0	36.0	9.0		9.0									E-85
I-39/US-20	D10-5	2586+43	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	WEST US 20 MILE 22.2
I-39/US-20	W4-3	2587+13	RT	ADDED LANE	WOOD POST	48.0	48.0	16.0			16.0								
I-39/US-20	2E-22	2590+10	LT	INTERCHANGE ADVANCE	BREAK-AWAY STEEL	156.0	72.0	78.0						2	2			78.0	ALPINE RD 1 MILE
I-39/US-20	D10-5	2596+36	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 119.4
I-39/US-20	R2-1	2596+98	RT	SPEED LIMIT - 65	WOOD POST	48.0	60.0	20.0			20.0								
I-39/US-20	R2-1102	2596+98	RT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0			12.0								
I-39/US-20	21,J,K	2597+49	LT	FOOD-EXIT	BREAK-AWAY STEEL	240.0	120.0	200.0				200.0		2	2				
I-39/US-20	D10-5	2597+54	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	WEST US 20 MILE 22.4
I-39/US-20	W9-1	2602+17	RT	RIGHT LANE ENDS	WOOD POST	48.0	48.0	16.0			16.0								
I-39/US-20	2E-1	2603+60	LT	INTERCHANGE EXIT DIRECTION	WOOD POST	108.0	72.0	54.0				54.0							SOUTH I-39 EXIT GORE
I-39/US-20	D3-1	2605+35	RT	STREET NAME	WOOD POST	84.0	24.0	14.0			14.0								MULFORD RD
I-39/US-20	D10-5	2606+14	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 119.6
I-39/US-20	W4-2R	2607+10	RT	MERGE	WOOD POST	48.0	48.0	16.0			16.0								
I-39/US-20	2E-22	2608+84	LT	INTERCHANGE ADVANCE	OVERHEAD STRUCTURE	108.0	54.0	40.5					1			4	2		ALPINE RD 1 1/2 MILE
I-39/US-20	E11-1c (2E-13)	2608+84	LT	INTERCHANGE EXIT DIRECTION	OVERHEAD STRUCTURE	162.0	108.0	121.5										121.5	39 SOUTH BLOOMINGTON NORMAL
I-39/US-20	M3-1	2610+59	RT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
I-39/US-20	M3-1	2610+59	RT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
I-39/US-20	M3-2	2610+59	RT	EAST	WOOD POST	30.0	15.0	3.1		3.1									
I-39/US-20	M1-1	2610+59	RT	I-39	WOOD POST	36.0	36.0	9.0		9.0									
I-39/US-20	M1-4	2610+59	RT	US-51	WOOD POST	36.0	36.0	9.0		9.0									
I-39/US-20	M1-4	2610+59	RT	US-20	WOOD POST	36.0	36.0	9.0		9.0									
I-39/US-20	D10-5	2616+79	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 119.8

MODEL: Default
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD Sheets/General/D264B13-Sl-shi-SCH-EXSGN-01.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / In.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
EXISTING SIGNING

SCALE: N/A | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	639
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

EXISTING SIGNS (REMOVALS & REINSTALLATIONS)																		
LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 REMOVE SIGN PANEL - TYPE 2	72400330 REMOVE SIGN PANEL - TYPE 3	73600100 REMOVE OH SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD	73800005 REMOVE STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - SPAN	X7200075 REMOVE AND REINSTALL SIGN PANEL	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(SQFT)	
RAMP BD	D10-5	111+58	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 119.8
RAMP BD	D10-5	121+88	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 119.6
RAMP BD	D3-1	122+23	LT	STREET NAME	WOOD POST	84.0	24.0	14.0			14.0								MULFORD RD
RAMP BD	D10-5	132+56	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 119.4
RAMP BD	D10-5	141+88	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 119.2
RAMP BD	D10-4	155+45	LT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8										6.8	SOUTH I-39 MILE 119
RAMP BD	W1-2L	159+55	LT	CURVE LEFT	WOOD POST	48.0	48.0	16.0			16.0								
RAMP BD	W13-1P	159+55	LT	ADVISORY SPEED (PLAQUE) 60 MPH	WOOD POST	30.0	30.0	6.3		6.3									
RAMP BD	D10-5	169+35	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 118.8
RAMP BD	W1-8	176+81	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP BD	D10-5	178+10	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 118.6
RAMP BD	W1-8	178+10	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP BD	W1-8	179+51	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP BD	W1-8	181+02	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP BD	W4-3	182+27	LT	ADDED LANE	WOOD POST	48.0	48.0	16.0			16.0								
RAMP BD	W1-8	182+52	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP BD	W1-2R	187+03	RT	CURVE RIGHT	WOOD POST	48.0	48.0	16.0			16.0								
RAMP BD	W13-1P	187+03	RT	ADVISORY SPEED (PLAQUE) - 60 MPH	WOOD POST	30.0	30.0	6.3		6.3									
RAMP BD	W1-2R	187+03	LT	CURVE RIGHT	WOOD POST	48.0	48.0	16.0			16.0								
RAMP BD	W13-1P	187+03	LT	ADVISORY SPEED (PLAQUE) - 60 MPH	WOOD POST	30.0	30.0	6.3		6.3									
RAMP BD	D10-5	192+74	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 118.4
RAMP BD	D10-5	202+15	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	SOUTH I-39 MILE 118.2
RAMP BD	2E-23	203+72	RT	POST INTERCHANGE DISTANCE SIGN	BREAK-AWAY STEEL	210.0	120.0	175.0				175.0		2	2				
RAMP BD	M3-3	211+96	RT	SOUTH	WOOD POST	24.0	12.0	2.0		2.0									
RAMP BD	M3-3	211+96	RT	SOUTH	WOOD POST	24.0	12.0	2.0		2.0									
RAMP BD	M1-1	211+96	RT	I-39	WOOD POST	24.0	24.0	4.0		4.0									
RAMP BD	M1-4	211+96	RT	US-51	WOOD POST	24.0	24.0	4.0		4.0									
RAMP BD	D10-4	212+44	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8										6.8	SOUTH I-39 MILE 118
RAMP BD	R2-1	222+32	RT	SPEED LIMIT - 70	WOOD POST	48.0	60.0	20.0			20.0								
RAMP BD	R2-1102	222+32	RT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0			12.0								

MODEL: Default
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800s/10800.00/Eng. Docs/CAD Sheets/General/M026413-SI-sht-SCH-EXSGN-02.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
EXISTING SIGNING

SCALE: N/A | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	640
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

EXISTING SIGNS (REMOVALS & REINSTALLATIONS)																			
LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 REMOVE SIGN PANEL - TYPE 2	72400330 REMOVE SIGN PANEL - TYPE 3	73600100 REMOVE OH SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD	73800005 REMOVE STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - SPAN	X7200075 REMOVE AND REINSTALL SIGN PANEL	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(SQFT)	
RAMP DA	2E-23	240+23	RT	INTERCHANGE ADVANCE	BREAK-AWAY STEEL	138.0	180.0	172.5				172.5		2	2				US 20 2 MILES
RAMP DA	2E-23	265+00	RT	INTERCHANGE ADVANCE	BREAK-AWAY STEEL	156.0	186.0	201.5				201.5		2	2				I-39 NORTH TO I-90 1 1/2 MILES
RAMP DA	M3-3	285+57	LT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
RAMP DA	M1-1	285+57	LT	I-39	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	M5-6	285+57	LT	RIGHT LANE	WOOD POST	24.0	18.0	3.0		3.0									
RAMP DA	R3-4	289+24	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	R3-4	289+24	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	R3-I101	289+24	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0		6.0									
RAMP DA	R3-I101	289+24	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0		6.0									
RAMP DA	2E-23	292+80	LT	INTERCHANGE EXIT DIRECTION	OVERHEAD STRUCTURE	180.0	180.0	225.0											US 20 WEST EXIT ONLY
RAMP DA	2E-23	292+80	LT	INTERCHANGE ADVANCE	OVERHEAD STRUCTURE	246.0	174.0	297.3					1			4	2		I-39 US 51 NORTH US 20 EAST 1 MILE
RAMP DA	E1-5aP	292+80	LT	LEFT (PLAQUE)	OVERHEAD STRUCTURE	72.0	30.0	15.0											
RAMP DA	2E-13	305+62	RT	INTERCHANGE EXIT DIRECTION	BREAK-AWAY STEEL	168.0	204.0	238.0				238.0		2	2				TO 90 USE 39 NORTH 3/4 MILES
RAMP DA	2E-13	311+40	RT	INTERCHANGE EXIT DIRECTION	BREAK-AWAY STEEL	204.0	120.0	170.0				170.0		2	2				RED AIRPORT USE 20 WEST
RAMP BD	D10-4	311+36	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8										6.8	NORTH I-39 MILE 118
RAMP DA	M3-3	313+63	LT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
RAMP DA	M1-1	313+63	LT	I-39	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	M5-6	313+63	LT	RIGHT LANE	WOOD POST	24.0	18.0	3.0		3.0									
RAMP DA	D10-5	322+21	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 118.2
RAMP DA	2E-23	322+48	LT	EXIT ONLY GUIDE SIGN	OVERHEAD STRUCTURE	240.0	144.0	240.0				240.0							US 20 WEST EXIT ONLY
RAMP DA	E1-5aP	322+48	LT	LEFT (PLAQUE)	OVERHEAD STRUCTURE	72.0	30.0	15.0			15.00								I-39 NORTH EXIT ONLY
RAMP DA	2E-23	322+48	LT	EXIT ONLY GUIDE SIGN	OVERHEAD STRUCTURE	174.0	144.0	174.0				174.0							
RAMP DA	R3-4	325+74	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	R3-4	325+74	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DA	R3-I101	325+74	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0		6.0									
RAMP DA	R3-I101	325+74	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0		6.0									
RAMP DA	D10-5	332+56	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 118.4
RAMP DA	E1-5aP	346+17	LT	LEFT (PLAQUE)	OVERHEAD STRUCTURE	72.0	30.0	15.0											
RAMP DA	2E-13	346+17	LT	EXIT ONLY GUIDE SIGN	OVERHEAD STRUCTURE	108.0	108.0	81.0					1			4	2		US 20 WEST EXIT ONLY
RAMP DA	2E-13	346+17	LT	EXIT ONLY GUIDE SIGN	OVERHEAD STRUCTURE	198.0	108.0	148.5											I-39 NORTH EXIT ONLY
RAMP DA	CUSTOM	365+28	RT	ADVISORY SPEED (CUSTOM)	BREAK-AWAY STEEL	138.0	102.0	97.8				97.8		2	2				
RAMP DA	CUSTOM	365+28	LT	ADVISORY SPEED (CUSTOM)	BREAK-AWAY STEEL	138.0	102.0	97.8				97.8		2	2				
RAMP DA	2E-13	375+05	LT	INTERCHANGE EXIT DIRECTION	OVERHEAD STRUCTURE	216.00	156.00	234.00				234.0							US 20 WEST ALL TRAFFIC MUST EXIT

EXISTING SIGNS (REMOVALS & REINSTALLATIONS)																			
LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 REMOVE SIGN PANEL - TYPE 2	72400330 REMOVE SIGN PANEL - TYPE 3	73600100 REMOVE OH SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD	73800005 REMOVE STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - SPAN	X7200075 REMOVE AND REINSTALL SIGN PANEL	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(SQFT)	
RAMP DB	M3-1	25+32	RT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
RAMP DB	M3-1	25+32	RT	NORTH	WOOD POST	30.0	15.0	3.1		3.1									
RAMP DB	M1-1	25+32	RT	I-39	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DB	M1-4	25+32	RT	US-51	WOOD POST	36.0	36.0	9.0		9.0									
RAMP DB	M6-2R	25+32	RT	RIGHT DIAGONAL ARROW	WOOD POST	30.0	21.0	4.4		4.4									
RAMP DB	M6-2R	25+32	RT	RIGHT DIAGONAL ARROW	WOOD POST	30.0	21.0	4.4		4.4									
RAMP DB	D10-5	30+00	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 118.6
RAMP DB	W13-3	30+57	RT	RAMP 55 MPH	WOOD POST	48.0	60.0	20.0			20.00								
RAMP DB	2E-1	36+88	LT	INTERCHANGE EXIT DIRECTION	WOOD POST	108.0	72.0	54.0				54.0							NORTH I-39 EXIT GORE
RAMP DB	W1-8	37+46	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	38+71	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	40+07	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	D10-5	40+66	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 118.8
RAMP DB	D10-4	52+56	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8										6.8	NORTH I-39 MILE 119
RAMP BD	W1-2R	53+41	RT	CURVE RIGHT	WOOD POST	48.0	48.0	16.0			16.00								
RAMP BD	W13-1P	53+41	RT	ADVISORY SPEED (PLAQUE) - 55 MPH	WOOD POST	30.0	30.0	6.3		6.3									
RAMP DB	W1-8	57+19	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	58+75	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	60+32	RT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	D10-5	61+59	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										7.5	NORTH I-39 MILE 119.2
RAMP DB	W1-8	61+83	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	63+38	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
RAMP DB	W1-8	64+88	LT	CHEVERON ALIGNMENT	WOOD POST	30.0	36.0	7.5		7.5									
MULFORD RD	R2-1	42+31	RT	SPEED LIMIT 45		24.00	30.00	5.0		5.0									
MULFORD RD	D3-1	42+38	LT	MULFORD RD		48.00	12.00	4.0	1										
MULFORD RD	D3-1			MULFORD RD		48.00	12.00	4.0											
MULFORD RD	D3-1			SHETLAND RD		54.00	12.00	4.5											
MULFORD RD	D3-1			SHETLAND RD		54.00	12.00	4.5											
MULFORD RD	R1-1			STOP		30.00	30.00	6.3											
MULFORD RD	CUSTOM			NEIGHBORHOOD WATCH		12.00	18.00	1.5		1.5									
MULFORD RD	CUSTOM	42+86	RT	NEIGHBORHOOD WATCH		42.00	48.00	14.0		EXISTING SIGN TO REMAIN									
MULFORD RD	W3-1	45+60	LT	STOP AHEAD		30.00	30.00	6.3	1										
MULFORD RD	D3-1(Y)			LINDEN RD		48.00	12.00	4.0											
MULFORD RD	W4-2	52+78	RT	LANE ENDS		36.00	36.00	9.0		9.0									
MULFORD RD	R2-1	54+05	RT	SPEED LIMIT 45		24.00	30.00	5.0		5.0									
MULFORD RD	W6-3	56+25	LT	TWO-WAY TRAFFIC		36.0	36.0	9.0		9.0									
					SUBTOTALS				2.0	354.0	319.0	2,258.5	3.0	21.0	21.0	12.0	6.0	370.5	
					TOTALS				2	354	319	2,259	3	21	21	12	6	371	

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Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMaJcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
EXISTING SIGNING

SCALE: N/A | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	642
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

PROPOSED OVERHEAD SIGNS									
LOCATION	SIGN CODE	STATION	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	72000300 SIGN PANEL, TYPE 3	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)			(INCH)	(INCH)	(SQ FT)	(SQ FT)	
RAMP DA	2E-23	282+20	INTERCHANGE ADVANCE	OVERHEAD (SPAN)	138.0	174.0	166.8	464.00	US 20 WEST 1 MILE
RAMP DA	2E-23	282+20	PULL-THROUGH	OVERHEAD (SPAN)	246.0	174.0	297.3		I-39 NORTH TO I-90 TOLL
RAMP DA	2E-23	322+48	INTERCHANGE EXIT DIRECTION	OVERHEAD (SPAN)	174.0	180.0	217.5	553.50	US 20 WEST EXIT ONLY
RAMP DA	2E-23	322+48	INTERCHANGE EXIT DIRECTION	OVERHEAD (SPAN)	252.0	192.0	336.0		I-39 NORTH TO I-90 DBL DOWN ARROW
RAMP DA	2E-13	335+00	INTERCHANGE EXIT DIRECTION	OVERHEAD (SPAN)	174.0	180.0	217.5	518.50	US 20 WEST EXIT ONLY
RAMP DA	2E-13	335+00	INTERCHANGE EXIT DIRECTION	OVERHEAD (SPAN)	258.0	168.0	301.0		I-39 NORTH TO I-90 DBL DIAGONAL ARROW
RAMP DA	2E-13	375+05	INTERCHANGE EXIT DIRECTION	OVERHEAD (CANTILEVER)	216.0	120.0	180.0	180.00	US 20 WEST ALL TRAFFIC MUST EXIT
I-39/US-20	2E-23	2603+00	INTERCHANGE ADVANCE	OVERHEAD (SPAN)	258.0	174.0	311.8	380.00	I-39 NORTH TO I-90 3 MILES
I-39/US-20	W9-1 CUSTOM	2603+00	LANE ENDS	OVERHEAD (SPAN)	126.0	78.0	68.3		RIGHT LANE ENDS DOWN ARROW
							SUBTOTALS	2,096.00	
							TOTALS	2,096	

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35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0150 Job No. 10800,00

USER NAME = JMacher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
PROPOSED OVERHEAD SIGNING

SCALE: N/A | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	643
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

PROPOSED GROUND MOUNTED SIGNS

LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	POST ONE LENGTH	POST TWO LENGTH	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72700100 STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY WIDE FLANGE	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73400100 CONCRETE FOUNDATION	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(FOOT)	(FOOT)	(SQFT)	(SQFT)	(SQFT)	(POUND)	(FOOT)	(FOOT)	(CU YD)	
I-39/US-20	R2-1	1138+90	LT	SPEED LIMIT - 65	WOOD POST	48.0	60.0	20.0	23.2	23.8		20.0				47		
I-39/US-20	R2-I102	1138+90	LT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0				12.0						
US-20	M3-4	1157+10	LT	WEST	WOOD POST	36.0	18.0	4.5	USE EXISTING WOOD POST		4.5							
	M1-4	1157+10	LT	U.S. ROUTE SIGN	WOOD POST	36.0	36.0	9.0										
EX US-20 ALIGNMENT TIES INTO PR US-20/I-39 ALIGNMENT AT: EX STA 1158+45.10/PR STA 2571+69.15																		
I-39/US-20	D10-4	2576+49	LT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8	21.7		6.8				22			WEST US 20 MILE 22
I-39/US-20	W4-1	2578+20	LT	MERGE	WOOD POST	48.0	48.0	16.0	21.4			16.0				22		
I-39/US-20	2I,J,K	2581+29	LT	GAS-EXIT	BREAK-AWAY STEEL	180.0	120.0	150.0	23.8	26.0			150.0	1,900			4.18	
I-39/US-20	D9-11C	2581+29	LT	ALTERNATIVE FUEL	BREAK-AWAY STEEL	36.0	36.0	9.0			9.0							
I-39/US-20	D10-5	2586+43	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									WEST US 20 MILE 22.2
I-39/US-20	W4-3	2589+25	RT	ADDED LANE	WOOD POST	48.0	48.0	16.0	21.4			16.0				22		
I-39/US-20	2E-22	2590+00	LT	INTERCHANGE ADVANCE	BREAK-AWAY STEEL	156.0	72.0	78.0	16.7	18.6				1,368			4.18	ALPINE RD I MILE
I-39/US-20	D10-5	2597+54	LT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										WEST US 20 MILE 22.4
I-39/US-20	2I,J,K	2597+58	LT	FOOD-EXIT	BREAK-AWAY STEEL	240.0	120.0	200.0	21.0	24.0			200.0	1,710			4.18	
I-39/US-20	W9-1	2601+30	RT	RIGHT LANE ENDS	WOOD POST	48.0	48.0	16.0	21.4			16.0				22		
I-39/US-20	D10-5	2602+99	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									NORTH I-39 MILE 119.6
I-39/US-20	D3-1	2605+36	RT	STREET NAME	WOOD POST	84.0	24.0	14.0	17.0	18.8		14.0				36		MULFORD RD
I-39/US-20	W4-2R	2606+14	RT	MERGE	WOOD POST	48.0	48.0	16.0	21.4			16.0				22		
I-39/US-20	2E-1	2606+94	LT	EXIT GORE	BREAK-AWAY STEEL	114.0	102.0	80.8	19.0	20.4			80.8	1,520			4.18	EXIT 119 SOUTH I-39
I-39/US-20	M3-1	2610+59	RT	NORTH (BLUE)	WOOD POST	36.0	18.0	4.5	20.0	21.3	4.5					42		
I-39/US-20	M3-1	2610+59	RT	NORTH (WHITE)	WOOD POST	36.0	18.0	4.5			4.5							
I-39/US-20	M3-2	2610+59	RT	EAST (WHITE)	WOOD POST	36.0	18.0	4.5			4.5							
I-39/US-20	M1-1	2610+59	RT	I-39	WOOD POST	36.0	36.0	9.0			9.0							
I-39/US-20	M1-4	2610+59	RT	US 51	WOOD POST	36.0	36.0	9.0			9.0							
I-39/US-20	M1-4	2610+59	RT	US 20	WOOD POST	36.0	36.0	9.0			9.0							
I-39/US-20	D10-5	2613+55	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									NORTH I-39 MILE 119.8
I-39/US-20	E11-1c (2E-13)	2614+00	LT	INTERCHANGE EXIT DIRECTION	BREAK-AWAY STEEL	162.0	108.0	121.5	19.7	21.7				1,596			4.18	39 SOUTH BLOOMINGTON NORMAL
I-39/US-20	R2-1	2620+10	RT	SPEED LIMIT - 65	HIGHWAY LIGHTING	48.0	60.0	20.0	ATTACHED TO LIGHT POLE			20.0						4 BANDS
I-39/US-20	R2-I102	2620+10	RT	MINIMUM SPEED LIMIT - 45	HIGHWAY LIGHTING	48.0	36.0	12.0	ATTACHED TO LIGHT POLE			12.0						3 BANDS
I-39/US-20	R2-1	2620+10	RT	SPEED LIMIT - 65	WOOD POST	48.0	60.0	20.0	23.0	24.0		20.0				47		
I-39/US-20	R2-I102	2620+10	RT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0				12.0						

NOTES:
1. CONTRACTOR SHALL CONTACT TRAFFIC OPERATION AFTER FINAL GRADING AND LIGHTING IS COMPLETED TO DETERMINE THE FINAL LAYOUT OF THE SIGNS.
2. THE STEEL POSTS AND CONCRETE FOUNDATIONS IN THE SCHEDULE ARE FOR BIDDING PURPOSES ONLY. EACH POST SIZE AND LENGTH SHALL BE PROVIDED AFTER FINAL GRADING IS COMPLETED.

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312-565-0450 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
PROPOSED GROUND SIGNING

SCALE: N/A | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	644
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

PROPOSED GROUND MOUNTED SIGNS

LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	POST ONE LENGTH	POST TWO LENGTH	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72700100 STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY WIDE FLANGE	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73400100 CONCRETE FOUNDATION	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(FOOT)	(FOOT)	(SQFT)	(SQFT)	(SQFT)	(POUND)	(FOOT)	(FOOT)	(CU YD)	
RAMP BD	D10-5	114+88	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	ATTACHED TO LIGHT POLE									SOUTH I-39 MILE 119.8
RAMP BD	D3-1	122+20	RT	STREET NAME	WOOD POST	84.0	24.0	14.0	17.0	18.8		14.0				36		MULFORD RD
RAMP BD	D10-5	125+50	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	HIGHWAY LIGHTING	18.0	60.0	7.5	ATTACHED TO LIGHT POLE									SOUTH I-39 MILE 119.6
RAMP BD	D10-5	136+25	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									SOUTH I-39 MILE 119.4
RAMP BD	D10-5	147+54	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									SOUTH I-39 MILE 119.2
RAMP BD	D10-4	158+48	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8	21.7									SOUTH I-39 MILE 119
RAMP BD	D10-5	169+42	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									SOUTH I-39 MILE 118.8
RAMP BD	W4-1	179+00	RT	RAMP MERGE	WOOD POST	48.0	48.0	16.0	21.4			16.0				22		
RAMP BD	D10-5	181+00	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									SOUTH I-39 MILE 118.6
RAMP BD	D10-5	191+68	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	HIGHWAY LIGHTING	18.0	60.0	7.5	ATTACHED TO LIGHT POLE									SOUTH I-39 MILE 118.4
RAMP BD	D10-5	202+15	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5	22.2									SOUTH I-39 MILE 118.2
RAMP BD	M3-1	202+15	RT	SOUTH (BLUE)	WOOD POST	36.0	18.0	4.5			4.5							
RAMP BD	M3-1	202+15	RT	SOUTH (WHITE)	WOOD POST	36.0	18.0	4.5			4.5							
RAMP BD	M1-1	202+15	RT	I-39	WOOD POST	36.0	36.0	9.0	19.8	20.7	9.0					41		
RAMP BD	M1-4	202+15	RT	US 51	WOOD POST	36.0	36.0	9.0			9.0							
RAMP BD	R2-1	210+00	RT	SPEED LIMIT - 70	WOOD POST	48.0	60.0	20.0				20.0						
RAMP BD	R2-1102	210+00	RT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.0	36.0	12.0	23.0	24.0		12.0				47		
RAMP BD	D10-4	212+39	RT	ENHANCED REFERENCE LOCATION	HIGHWAY LIGHTING	18.0	54.0	6.8	ATTACHED TO LIGHT POLE									SOUTH I-39 MILE 118
RAMP BD	2E-23	218+00	RT	POST INTERCHANGE DISTANCE SIGN	BREAK-AWAY STEEL	210.0	120.0	175.0	20.9	23.5			175.0	1,710			4.18	
RAMP DA	2E-23	231+44	RT	INTERCHANGE ADVANCE	BREAK-AWAY STEEL	138.0	174.0	166.8	27.6	29.3			166.8	2,166			4.18	US 20 WEST 2 MILES
RAMP DA	R3-4	289+24	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0			9.0							
RAMP DA	R3-4	289+24	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0	18.0		9.0					18		
RAMP DA	R3-1101	289+24	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0			6.0							
RAMP DA	R3-1101	289+24	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0			6.0							
RAMP BD	D10-4	310+74	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	54.0	6.8										NORTH I-39 MILE 118
RAMP DA	D10-5	321+29	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										NORTH I-39 MILE 118.2
RAMP DA	R3-4	325+72	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0			9.0							
RAMP DA	R3-4	325+72	LT	NO U-TURN (SYMBOL)	WOOD POST	36.0	36.0	9.0	20.4		9.0					21		
RAMP DA	R3-1101	325+72	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0			6.0							
RAMP DA	R3-1101	325+72	LT	EXCEPT AUTHORIZED VEHICLES	WOOD POST	36.0	24.0	6.0			6.0							
RAMP DA	D10-5	332+68	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.0	60.0	7.5										NORTH I-39 MILE 118.4
RAMP DA	E5-1a	354+91	RT	EXIT (GORE)	WOOD POST	78.0	60.0	32.5	20.3	21.3			32.5			42		EXIT 118
RAMP DA	CUSTOM	368+90	RT	ADVISORY SPEED (CUSTOM)	BREAK-AWAY STEEL	138.0	102.0	97.8	19.1	20.8			97.8	1,520			4.18	270° RAMP 30 MPH
RAMP DA	CUSTOM	368+90	LT	ADVISORY SPEED (CUSTOM)	BREAK-AWAY STEEL	138.0	102.0	97.8	19.1	20.8			97.8	1,520			4.18	270° RAMP 30 MPH

NOTES:

1. CONTRACTOR SHALL CONTACT TRAFFIC OPERATION AFTER FINAL GRADING AND LIGHTING IS COMPLETED TO DETERMINE THE FINAL LAYOUT OF THE SIGNS.
2. THE STEEL POSTS AND CONCRETE FOUNDATIONS IN THE SCHEDULE ARE FOR BIDDING PURPOSES ONLY. EACH POST SIZE AND LENGTH SHALL BE PROVIDED AFTER FINAL GRADING IS COMPLETED.

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benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0150 Job No. 10800.00

USER NAME = JMajcher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
PROPOSED GROUND SIGNING

SCALE: N/A | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	645
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

PROPOSED GROUND MOUNTED SIGNS

LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	POST ONE LENGTH	POST TWO LENGTH	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72700100 STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY WIDE FLANGE	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73400100 CONCRETE FOUNDATION	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(FOOT)	(FOOT)	(SQFT)	(SQFT)	(SQFT)	(POUND)	(FOOT)	(FOOT)	(CU YD)	
RAMP DB	D10-5	30+30	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.00	60.00	7.5	22.2									NORTH I-39 MILE 118.6
RAMP DB	D10-5	39+64	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.00	60.00	7.5	22.2									NORTH I-39 MILE 118.8
RAMP DB	2E-1	41+96	LT	INTERCHANGE EXIT DIRECTION	WOOD POST	108.00	72.00	54.0	21.5	22.8			54.0			45		
RAMP DB	D10-4	49+78	RT	ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.00	54.00	6.8										NORTH I-39 MILE 119
RAMP DB	W9-1	55+00	RT	RIGHT LANE ENDS	WOOD POST	48.00	48.00	16.0	21.4			16.0				22		
RAMP DB	R2-1	58+00	LT	SPEED LIMIT - 65	WOOD POST	48.00	60.00	20.0	23.0	24.0		20.0				47		
RAMP DB	R2-I102	58+00	LT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.00	36.00	12.0				12.0						
RAMP DB	R2-1	58+00	RT	SPEED LIMIT - 65	WOOD POST	48.00	60.00	20.0	23.0	24.0		20.0				47		
RAMP DB	R2-I102	58+00	RT	MINIMUM SPEED LIMIT - 45	WOOD POST	48.00	36.00	12.0				12.0						
RAMP DB	D10-5	59+92	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.00	60.00	7.5	22.2									NORTH I-39 MILE 119.2
RAMP DB	W4-2R	63+00	RT	MERGE	WOOD POST	48.00	48.00	16.0	21.4			16.0				22		
RAMP DB	D10-5	69+64	RT	INTERMEDIATE ENHANCED REFERENCE LOCATION	TELESCOPING STEEL	18.00	60.00	7.5	22.2									NORTH I-39 MILE 119.4

NOTES:

1. CONTRACTOR SHALL CONTACT TRAFFIC OPERATION AFTER FINAL GRADING AND LIGHTING IS COMPLETED TO DETERMINE THE FINAL LAYOUT OF THE SIGNS.

2. THE STEEL POSTS AND CONCRETE FOUNDATIONS IN THE SCHEDULE ARE FOR BIDDING PURPOSES ONLY. EACH POST SIZE AND LENGTH SHALL BE PROVIDED AFTER FINAL GRADING IS COMPLETED.

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benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

USER NAME = JMacher	DESIGNED - J. MACHER	REVISED -	
	DRAWN - J. MACHER	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
PROPOSED GROUND SIGNING

SCALE: N/A | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	646
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

PROPOSED GROUND MOUNTED SIGNS																		
											72000100	72000200	72000300	72700100	72800100	73000100	73400100	
LOCATION	SIGN CODE	STATION	LT/RT	DESCRIPTION	MOUNTING TYPE	SIGN PANEL WIDTH	SIGN PANEL HEIGHT	SIGN PANEL AREA	POST ONE LENGTH	POST TWO LENGTH	SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 2	SIGN PANEL - TYPE 3	STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY WIDE FLANGE	TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	CONCRETE FOUNDATION	REMARKS
(ROAD)	(MUTCD or IDOT)	(STA)				(INCH)	(INCH)	(SQ FT)	(FOOT)	(FOOT)	(SQFT)	(SQFT)	(SQFT)	(POUND)	(FOOT)	(FOOT)	(CU YD)	
MULFORD	R2-1	42+31	RT	SPEED LIMIT 45		24.00	30.00	5.0			5.0				15			
MULFORD	D3-1	42+28	LT	MULFORD RD		48.00	12.00	4.0			4.0					19		
MULFORD	D3-1			MULFORD RD		48.00	12.00	4.0			4.0							
MULFORD	D3-1			SHETLAND RD		54.00	12.00	4.5			4.5							
MULFORD	D3-1			SHETLAND RD		54.00	12.00	4.5			4.5							
MULFORD	R1-1			STOP		30.00	30.00	6.3			6.3							
MULFORD	CUSTOM			NEIGHBORHOOD WATCH		12.00	18.00	1.5										
MULFORD	CUSTOM	42+86	RT	NEIGHBORHOOD WATCH		42.00	48.00	14.0			EXISTING SIGN TO REMAIN							
MULFORD	W3-1	45+60	LT	STOP AHEAD		30.00	30.00	6.3			6.3					17		
MULFORD	D3-1(Y)			LINDEN RD		48.00	12.00	4.0			4.0							
MULFORD	W4-2	52+78	RT	LANE ENDS		36.00	36.00	9.0			9.0				16			
MULFORD	R2-1	54+05	RT	SPEED LIMIT 45		24.00	30.00	5.0			5.0				14			
MULFORD	W6-3	56+25	LT	TWO-WAY TRAFFIC		36.00	36.00	9.0			9.0				14			
										SUBTOTALS	209.3	332.0	1,054.5	15,010.0	80.6	705.4	37.6	
										TOTALS	210	332	1,055	15,010	81	706	38	

NOTES:

1. CONTRACTOR SHALL CONTACT TRAFFIC OPERATION AFTER FINAL GRADING AND LIGHTING IS COMPLETED TO DETERMINE THE FINAL LAYOUT OF THE SIGNS.

2. THE STEEL POSTS AND CONCRETE FOUNDATIONS IN THE SCHEDULE ARE FOR BIDDING PURPOSES ONLY. EACH POST SIZE AND LENGTH SHALL BE PROVIDED AFTER FINAL GRADING IS COMPLETED.

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benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312.565.0450 Job No. 10800.00

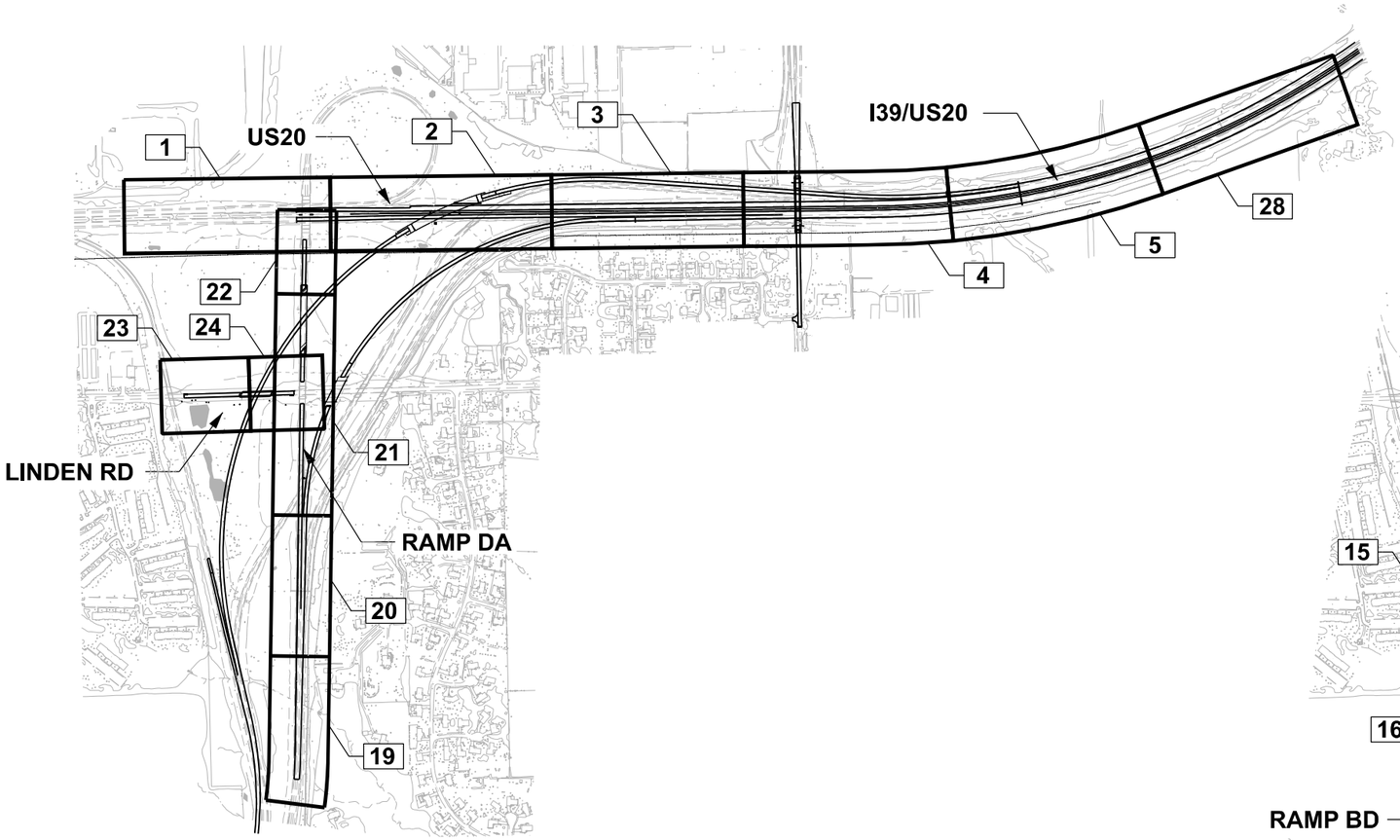
USER NAME = JMacher	DESIGNED - J. MACHER	REVISED -
	DRAWN - J. MACHER	REVISED -
PLOT SCALE = 0.167 ' / in.	CHECKED - C. RUTKOWSKI	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
PROPOSED GROUND SIGNING

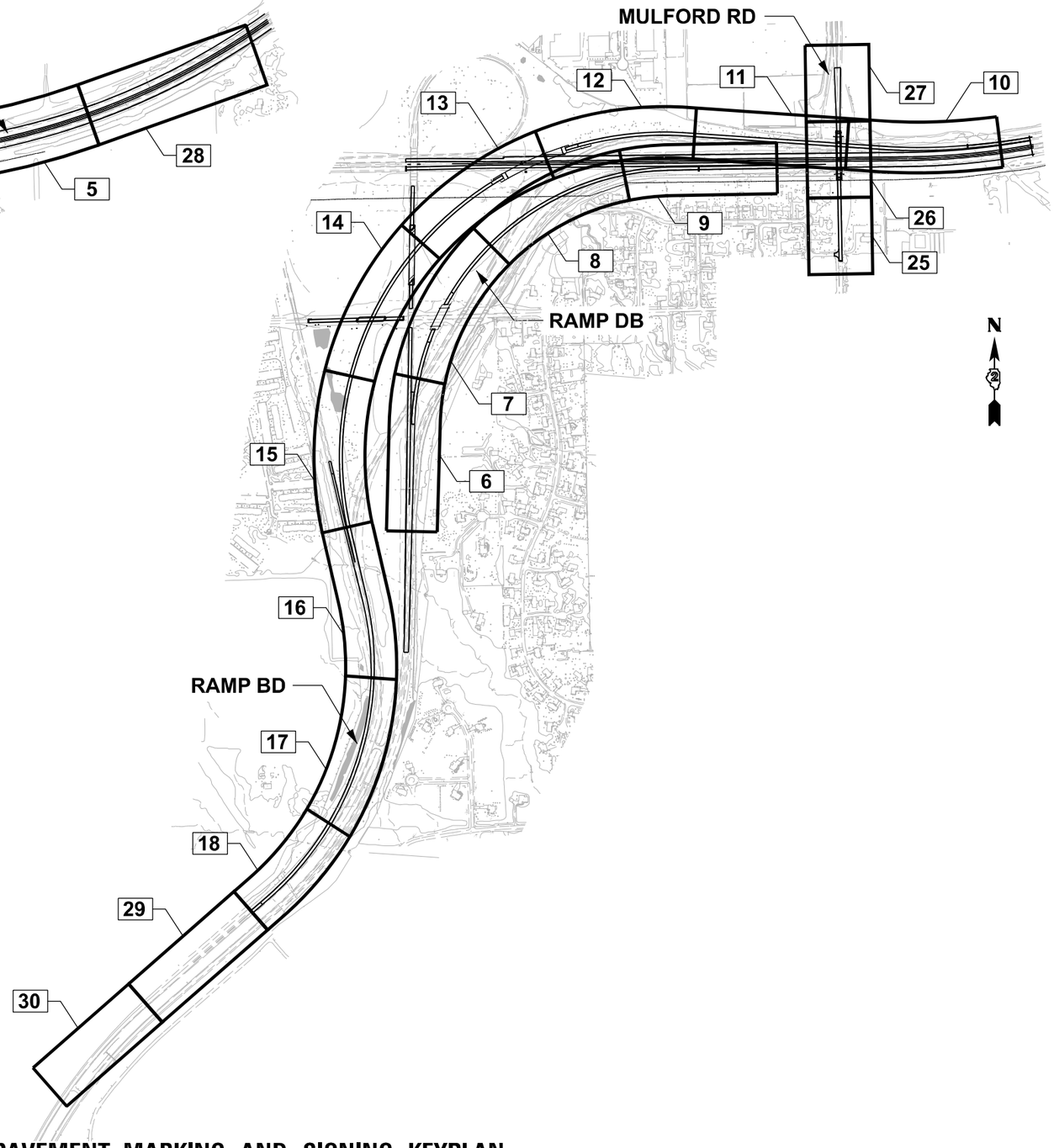
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	647
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING AND SIGNING KEYPLAN

US20/I39 RAMP DA AND LINDEN RD



PAVEMENT MARKING AND SIGNING KEYPLAN

RAMP BD, RAMP DB AND MULFORD RD

MODEL: Default
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng. Docs/CAD Sheets/General/D0764B13-Sht-KEYPLAN PMK and Signing.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312.565.0450 Job No. 10800.00

USER NAME = tblank	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1000.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING KEY PLAN

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	648
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

N

0 50 100 150
SCALE IN FEET

IMPROVEMENT ENDS - I-39 SB
STA 289+24.00

PROPOSED SIGNS PR STA 289+24
(2) R3-4
(2) R3-I101
EXCEPT AUTHORIZED VEHICLES

EXISTING SIGNS TO BE REMOVED EX STA 289+24
(2) R3-4
(2) R3-I101
EXCEPT AUTHORIZED VEHICLES

D10-5
SOUTH 39
MILE 117 .4

D10-5
SOUTH 39
MILE 117 .6

AC

REMOVE EXISTING PAVEMENT MARKING LETTERING

PROPOSED OVERHEAD SIGN TRUSS

280+00 281 282 283 284 285+00 286 287 288 289 290+00 291 292+00

MATCHLINE STA 292+00.00

STA 282+47.51 24.00' LT
STA 282+47.51 12.00' LT
STA 282+47.51 0.00' LT

② SOLID YELLOW
④ SKIP-DASH WHITE
② SOLID WHITE

PR ℄ RAMP DA

NORTH INTERSTATE 39 HIGH LANE
M3-1
M1-1
M5-6
EXISTING SIGNS TO BE REMOVED EX STA 285+57

EXISTING GUARDRAIL TO BE REMOVED

NORTH 39
MILE 117 .4
D10-5

NORTH 39
MILE 117 .6
D10-5

PROPOSED SIGNS PR STA 282+20

LEFT
EXIT 118
20 WEST
Freeport
1 MILE
2E-23

NORTH EAST TOLL
39 51 20 TO 90
Wisconsin
Belvidere
Chicago
2E-23

IMPROVEMENT BEGINS - I-39 NB
STA 231+44.00

LEFT
EXIT 118
20 WEST
Freeport
2 MILES
2E-23
PROPOSED SIGN PR STA 231+44 RT

20
Rockford
Freeport
Belvidere
2 MILES
2E-23
EXISTING SIGN TO BE REMOVED EX STA 240+23 RT

INTERSTATE 39 NORTH
TO 90
Wisconsin
Chicago
1 1/2 MILES
2E-23
EXISTING SIGN TO BE REMOVED EX STA 265+00 RT

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QUIGG ENGINEERING INC

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	DRAWN - MW	REVISED -	
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

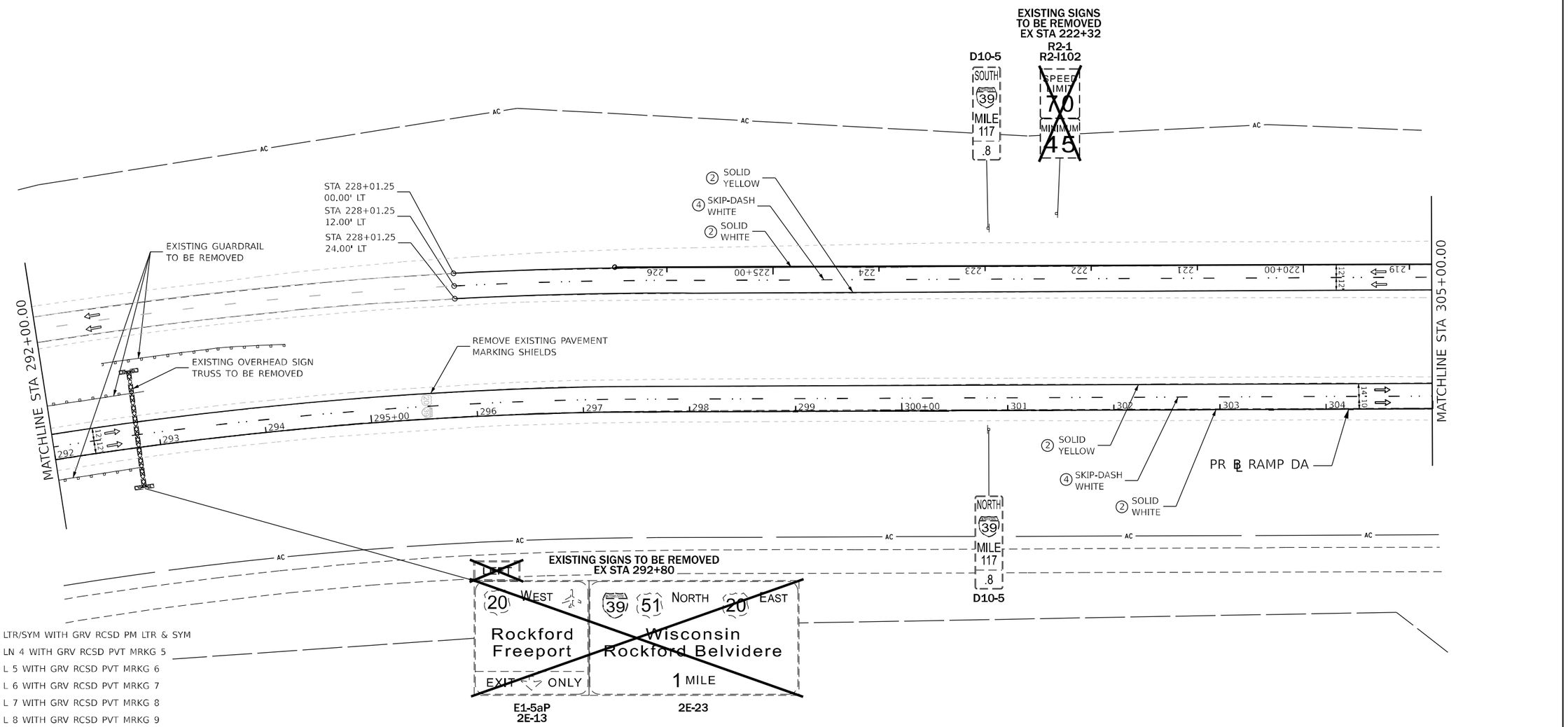
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 1 OF 26 SHEETS | STA. BEGIN | TO STA. 292+00.00

KEYPLAN SHEET 30

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	649
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◁ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 29

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 2 OF 26 SHEETS | STA. 292+00.00 TO STA. 305+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	650
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

0 50 100 150
SCALE IN FEET

PROPOSED SIGN
PR STA 218+00
2E-23

Baxter Road 3
Rochelle 22
Bloomington-Normal 117

PROJECT ENDS - RAMP BD
STA 215+24.17

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 212+44 PR STA 212+39
D10-4
SOUTH I-39 MILE 118

EXISTING SIGNS TO BE REMOVED EX STA 211+96
M3-3 M1-1 SOUTH INTERSTATE 39
M3-3 M1-4 SOUTH 51

PROPOSED SIGNS PR STA 210+00
R2-1
SPEED LIMIT 70
R2-I102
MINIMUM 45

MATCHLINE STA 305+00.00

MATCHLINE STA 206+00.00

MATCHLINE STA 318+00.00

STA 215+24.17 00.00' LT
STA 215+24.17 12.00' LT
STA 215+24.17 24.00' LT

② SOLID WHITE
④ SKIP-DASH WHITE
② SOLID YELLOW
REMOVE EXISTING PAVEMENT MARKING LETTERING
③ SOLID WHITE
③ SOLID YELLOW
⑤ SKIP-DASH WHITE

PR ℄ I-39 SB

STA 312+97.81 24.00' LT
STA 312+98.19 12.00' LT
STA 312+97.72 00.00' CT
② SOLID YELLOW
④ SKIP-DASH WHITE
⑥ DOTTED WHITE
② SOLID WHITE
REMOVE EXISTING PAVEMTENT MARKING SHIELDS
PR ℄ RAMP DA

TO WISCONSIN CHICAGO USE I-90 NORTH I-39 RIGHT 3/4 MILE
E11-1(2E-13)
EXISTING SIGN TO BE REMOVED EX STA 305+62

NORTH I-39 MILE 118
D10-4
EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 311+36 PR STA 310+74

CHICAGO ROCKFORD INTL AIRPORT USE I-20 WEST LEFT LANE
E11-1(2E-13)
EXISTING SIGN TO BE REMOVED EX STA 311+40

NORTH INTERSTATE 39 RIGHT LANE
M3-1 M1-1 M5-6
EXISTING SIGNS TO BE REMOVED EX STA 313+63

KEYPLAN SHEET 18

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

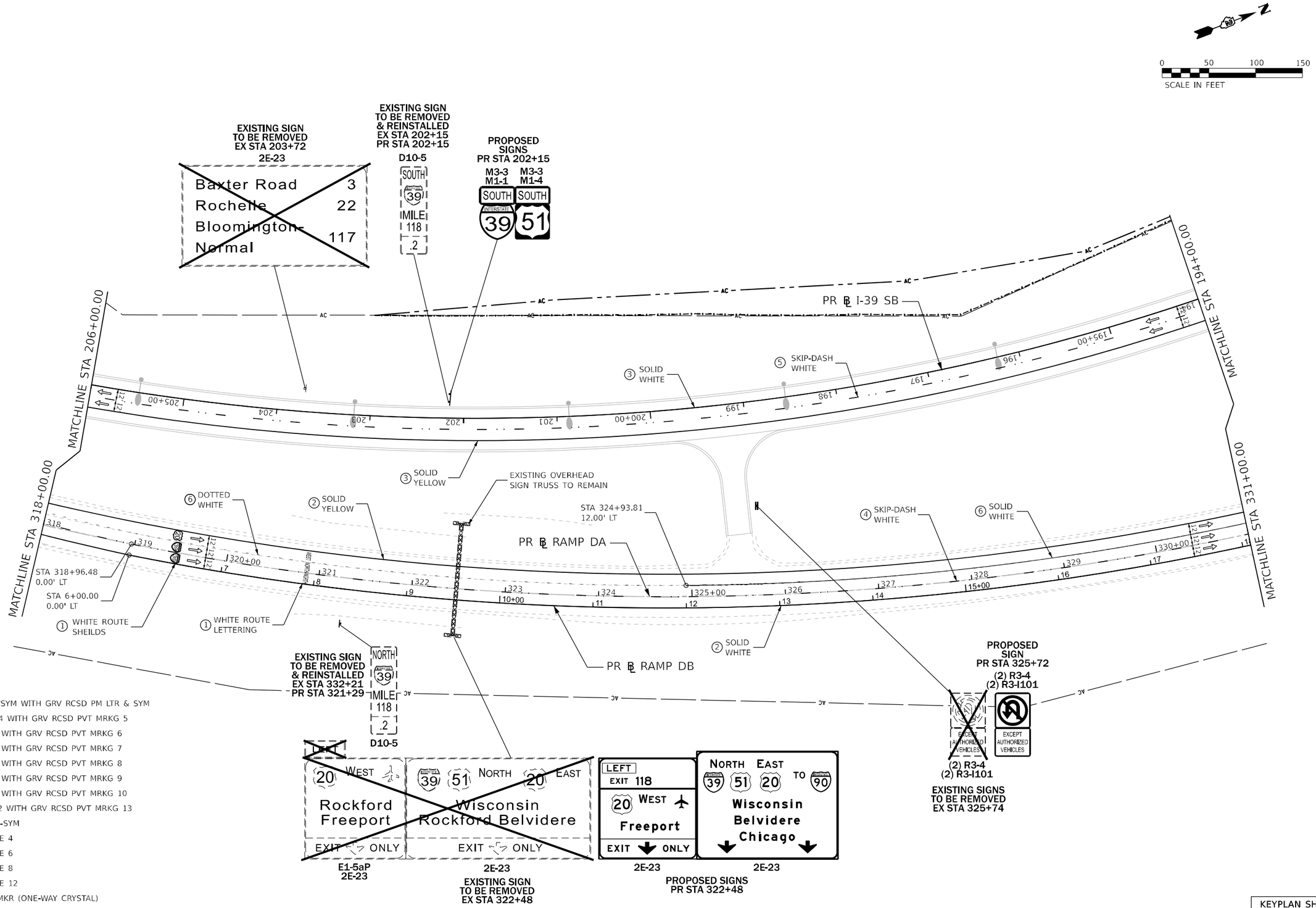
PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 3 OF 26 SHEETS | STA. 305+00.00 TO STA. 318+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	651

CONTRACT NO. 64B13
ILLINOIS | FED. AID PROJECT

MODEL: System Interchange - SI-3 [Sheet]
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LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

MODEL: System Interchange - Sh4 (Sheet)
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000/108000.00/Eng_Docs/CAD Sheets/Pvmt_mkg_sign/Mainline and Ramps (Quigg)!0726462-SIH-pvmt-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 4 OF 26 SHEETS | STA. 318+00.00 TO STA. 331+00.00

KEYPLAN SHEET 17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	652
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

N

0 50 100 150
SCALE IN FEET

EXISTING SIGN TO BE REMOVED EX STA 182+52 W1-8

EXISTING SIGNS TO BE REMOVED EX STA 187+03 (2) W1-2R (2) W13-1P

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 192+74 PR STA 191+68 D10-5

MATCHLINE STA 194+00.00

MATCHLINE STA 182+00.00

STA 185+80.18 00.00' LT

PR ℄ RAMP AD

PR ℄ RAMP BD

(7) SOLID WHITE

(3) SOLID WHITE

(8) SOLID WHITE

(3) SOLID YELLOW

(5) SKIP-DASH WHITE

W4-3 EXISTING SIGN TO BE REMOVED EX STA 182+27

PROPOSED OVERHEAD SIGNS PR STA 335+00

LEFT EXIT 118 20 WEST Freeport EXIT ONLY — 2E-23

NORTH EAST TOLL 39 51 20 TO 90 Wisconsin Chicago — 2E-23

PROJECT BEGINS - I-39/US-20 STA 333+40.00

MATCHLINE STA 331+00.00

(2) SOLID YELLOW

(6) SOLID WHITE

(2) SOLID WHITE

(4) SKIP-DASH WHITE

STA 333+40.00 24.00' LT

STA 333+40.00 12.00' LT

STA 333+40.00 00.00' LT

STA 333+40.00 12.00' RT

(1) WHITE ROUTE SHEILDS

STA 334+95.85 24.00' LT

STA 334+95.85 12.00' LT

STA 334+95.85 00.00' LT

STA 334+95.78 12.00' RT

(3) SOLID YELLOW

WHITE ROUTE LETTERING (1)

PROPOSED OVERHEAD SIGN TRUSS

(3) SOLID WHITE

(7) SOLID WHITE

PR ℄ RAMP DA

(5) SKIP-DASH WHITE

(8) SOLID WHITE

PR ℄ RAMP DB

MATCHLINE STA 344+00.00

EXISTING SIGNS TO BE REMOVED EX STA 25+32 — NORTH NORTH INTERSTATE 39 51 — M3-1 M1-1 M6-2 M3-1 M1-4 M6-2

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 332+56 PR STA 332+68 D10-5

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 30+00 PR STA 30+30 D10-5

EXISTING SIGN TO BE REMOVED EX STA 30+57 W13-3

KEYPLAN SHEET 16, 19

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MW	REVISED -			39	(201-3)K	WINNEBAGO	2192	653
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -						CONTRACT NO. 64B13	
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		SCALE: 1"=50' SHEET 5 OF 26 SHEETS STA. 331+00.00 TO STA. 344+00.00			ILLINOIS	FED. AID PROJECT	

MODEL: System Interchange - SI-5 [Sheet]
FILE NAME: :\w\Benesch-pw\bentley.com\benesch-pw-01\Documents\10800s\10800L00\Eng_Docs\CAD Sheets\Port-_mkg_dgn\MatchLine and Romps (Quigg)\D2642462-SH-pmt-System Interchange.dgn

PROJECT BEGINS - RAMP AD
STA 80+00.00

IMPROVEMENT BEGINS - I-39
STA 73+54.03

STA 73+54.03
00.00' LT
STA 73+54.03
16.00' LT

STA 80+00.00
00.00' LT
STA 80+00.00
16.00' LT

PR ℄ RAMP AD
PR ℄ RAMP BD
PR ℄ RAMP DA
PR ℄ RAMP DB

MATCHLINE STA 182+00.00
MATCHLINE STA 168+00.00
MATCHLINE STA 344+00.00
MATCHLINE STA 357+00.00
MATCHLINE STA 44+00.00

STA 83+34.57
16.00' LT
STA 179+99.56
0.00' LT

STA 353+83.67
12.00' CT
STA 353+81.50
25.29 RT

STA 38+40.82
24.00 LT
STA 38+40.82
12.00 LT
STA 38+40.82
0.00 LT

SCALE IN FEET
0 50 100 150

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 178+10 PR STA 181+00
D10-5
SOUTH 39 MILE 118 .6

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 169+35 PR STA 169+42
D10-5
SOUTH 39 MILE 118 .8

W1-8
EXISTING SIGN TO BE REMOVED EX STA 181+02

W1-8
EXISTING SIGN TO BE REMOVED EX STA 179+51

W4-1
PROPOSED SIGN PR STA 179+00

W1-8
EXISTING SIGN TO BE REMOVED EX STA 178+10

EXISTING SIGN TO BE REMOVED EX STA 176+81
W1-8
EXISTING SIGN TO BE REMOVED EX STA 176+81

EXISTING SIGNS TO BE REMOVED EX STA 346+17
LEFT 20 WEST | 39 51 NORTH | 20 EAST
Rockford Freeport | Wisconsin Rockford Belvidere
EXIT ONLY | EXIT ONLY
E1-5aP
E11-1 (2E-13)
E11-1d (2E-13)

EXISTING OVERHEAD SIGN TRUSS TO BE REMOVED

EXISTING SIGN TO BE REMOVED EX STA 36+88
2E-1
NORTH 39

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 40+66 PR STA 39+64
D10-5
NORTH 39 MILE 118 .8

PROPOSED SIGN PR STA 41+96
2E-1
NORTH 39

PROPOSED SIGN PR STA 354+91
E5-1a
EXIT 118

W1-8
EXISTING SIGN TO BE REMOVED EX STA 37+46

W1-8
EXISTING SIGN TO BE REMOVED EX STA 38+71

W1-8
EXISTING SIGN TO BE REMOVED EX STA 40+07

KEYPLAN SHEET 6, 15, 20

MODEL: System Interchange - Sht (Sheet)
FILE NAME: pw://heneschpw.bentley.com:heneschpw-pw01/Documents/10800/10800.00/Eng_Docs/CAD Sheets/Pvmt_mkg_sign/MainLine and Ramps (Quigg)/D26a4C62-Sht-anh-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 6 OF 26 SHEETS | STA. 344+00.00 TO STA. 357+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	654
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 168+00.00

MATCHLINE STA 370+50.00

STA 370+00.00
12.00' LT

STA 370+00.00
00.00' LT

PR ℄ RAMP BD

LINDEN RD

PR ℄ RAMP DA

PR ℄ RAMP DB

STA 358+87.99
24.00' LT

STA 358+87.99
12.00' LT

MATCHLINE STA 357+00.00

MATCHLINE STA 44+00.00

MATCHLINE STA 153+00.00

MATCHLINE STA 56+00.00

SOLID WHITE (3)

SOLID YELLOW (3)

SOLID YELLOW (8)

SOLID WHITE (8)

(5) SKIP-DASH WHITE

SKIP-DASH (5) WHITE

(3) SOLID YELLOW

(3) SOLID WHITE

80' (TYP.)

0 50 100 150
SCALE IN FEET

30 MPH
(2) W13-7 (CUSTOM)
EXISTING SIGNS
TO BE REMOVED
EX STA 365+28

30 MPH
(2) W13-7 (CUSTOM)
WITH FLASHING LIGHTS
PROPOSED SIGNS
PR STA 368+90

SOUTH 39 MILE 119
D10-4
EXISTING SIGN
TO BE REMOVED
& REINSTALLED
EX STA 155+45
PR STA 158+48

60 MPH
W1-2L
W13-1P
EXISTING SIGNS
TO BE REMOVED
EX STA 159+55
RAMP BD

NORTH 39 MILE 119
D10-4
EXISTING SIGN
TO BE REMOVED
& REINSTALLED
EX STA 52+56
PR STA 49+78

55 MPH
W1-2R
W13-1P
EXISTING SIGNS
TO BE REMOVED
EX STA 53+41
RAMP DB (OFF PAGE)

RIGHT LANE ENDS
W9-1
PROPOSED
SIGN
PR STA 55+00

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 7, 14, 21

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 7 OF 26 SHEETS | STA. 357+00.00 TO STA. 370+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	655
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: System Interchange - Sh7 (Sheet)
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pwc-01\Documents\108000\108000.00\Eng_Docs\CAD_Sheets\Pvmt_mkg_sign\Mainline and Ramps (Quigg)\D7264K62-Sh1-pmk-System Interchange.dgn

N

0 50 100 150
SCALE IN FEET

IMPROVEMENT BEGINS - US 20
EX STA 1137+22.56

PROPOSED SIGNS
PR STA 1138+90
R2-1
R2-1102
SPEED LIMIT 65
MINIMUM 45

EXISTING SIGNS
TO BE REMOVED
EX STA 1138+87
D9-2
M5-6
NEXT RIGHT

D10-5
WEST 20 MILE 21 .6

E1-5 (2E-22)
Alpine Rd
EXIT 1/2 MILE

EX ℄ US-20

EXISTING OVERHEAD SIGN TRUSS TO REMAIN

STA 1147+12.22
44.30' LT
STA 1147+12.22
32.30' LT
STA 1147+12.22
20.30' LT

STA 1150+69.28
44.64' LT

MATCHLINE STA 1151+00.00

STA 1148+33.27
19.84' RT
STA 1148+33.27
31.84' RT
STA 1148+33.27
43.84' RT

(10) SOLID WHITE
(10) SOLID YELLOW
(11) SKIP-DASH WHITE

RAMP
50 MPH
W13-3

39 51 SOUTH
20 EAST
2E-23

TO 90
Wisconsin
Chicago
2E-23

39 51 SOUTH
Bloomington
Normal
EXIT ONLY
E11-1d (2E-13)

EAST 20 MILE 21 .6
D10-5

SOUTH 39
E6-2a (2E-23)

RAMP AD

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 1

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 8 OF 26 SHEETS | STA. BEGIN | TO STA. 1151+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	656
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: System Interchange - Sht (Sheet)
FILE NAME: pw:\\heneschpw.bentley.com:heneschpw-pw01\Documents\10800\10800,00\Eng_Docs\CAD *Sheets\Pvmt_mkg_sign\Mainline and Ramps (Quigg)\D26x4C62-SHt-pmtl-System Interchange.dgn

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

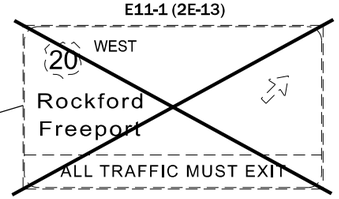
N

0 50 100 150
SCALE IN FEET

PROPOSEDSIGN
PR STA 375+05
E11-1 (2E-13)



EXISTING SIGN
TO BE REMOVED
EX STA 375+05
E11-1 (2E-13)



EXISTING SIGNS
TO BE REMOVED
EX STA 1157+10

PROPOSED SIGN TO BE INSTALLED ON EXISTING POST EX STA 1157+10

M1-4 — WEST 20

R2-1 / R2-I102 — SPEED LIMIT 65 / MINIMUM 45

M1-4 TO BE REMOVED
M3-4 TO BE REMOVED
& REINSTALLED ONTO
EXISTING SPEED LIMIT
POST. EX STA 1157+10

PROPOSED
SIGN
PR STA 2576+49
D10-4



D10-5



(2) W13-3



PR ℄ RAMP DA

STA 373+27.87
0.34' RT

STA 373+27.87
15.40' LT

STA 2571+69.15
44.34' LT

STA 2571+69.15
44.00' LT

STA 2571+69.15
32.00' LT

STA 2571+69.15
20.00' LT

STA 1157+88.58
43.52' LT

STA 1158+45.10 EX CL US-20 =
STA 2571+69.15 PR CL I-39/US 20

L374

SOLID WHITE (2)

SOLID YELLOW (2)

STA 373+27.87
0.34' RT

STA 373+27.87
15.40' LT

SOLID WHITE (12)

(11) SKIP-DASH WHITE

SOLID WHITE (10)

SOLID WHITE (13)

MATCHLINE STA 1151+00.00

MATCHLINE STA 2578+00.00

1151 1152 1153 1154 1155+00 1156 1157 1158 2572 2573 2574 2575+00 2576 2577

12 12' 12 12' 12 12' 9' 9'

PROJECT BEGINS - US 20
STA 2571+69.15

STA 2571+69.15
20.00' RT

STA 2571+69.15
32.00' RT

STA 2571+69.15
44.00' RT

371 372 370+00

80' (TYP.)

PR ℄ US-20

(8) SOLID YELLOW

(3) SOLID YELLOW

SOLID WHITE (8)

SOLID WHITE (3)

(10) SOLID YELLOW

MATCHLINE STA 370+50.00

EAST 20 MILE 21 .8
D10-5

EAST 20 MILE 22
D10-4

KEYPLAN SHEET 1, 2, 22

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 9 OF 26 SHEETS | STA. 1151+00.00 TO STA. 2578+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	657
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: System Interchange - Sht-9 [Sheet]
FILE NAME: pw://beneschdh-pw.bentley.com:beneschdh-pw-01\Documents\110800\110800.00\Eng. Docs\CAD\Sheets\Pvmt_mkg_sign\Mainline and Ramps [Quigg]\D264C62-Sht-gnml-System Interchange.dgn

N

0 50 100 150

SCALE IN FEET

RAMP DA

W1-8

STA 2580+49.16
256.10' LT

STA 2580+36.29
265.61' LT

STA 2578+10.11
80.28' LT

W1-8

W1-8

SOLID YELLOW (10)

SOLID WHITE (10)

**PROPOSED SIGNS
PR STA 2581+29**

**2I, J, K
D9-11C**

GAS - NEXT RIGHT

**EXISTING SIGNS
TO BE REMOVED
EX STA 2582+72**

**2I, J, K
D9-11C**

GAS - NEXT RIGHT

**EXISTING SIGN
TO BE REMOVED
EX STA 2579+13**

W4-1

W4-1

**PROPOSED
SIGN
PR STA 2578+20**

PR ℄ RAMP BD

SOLID WHITE (13)

80'
(TYP.)

MATCHLINE STA 2578+00.00

SOLID WHITE (12)

PR ℄ US-20

SOLID WHITE (10)

**EXISTING SIGN
TO BE REMOVED
& REINSTALLED
EX STA 2586+43
PR STA 2586+43**

D10-5

WEST 20 MILE 22 .2

SOLID WHITE (3)

SKIP-DASH WHITE (5)

MATCHLINE STA 138+00.00

(3) SOLID YELLOW

SKIP-DASH WHITE (11)

**EXISTING SIGN
TO BE REMOVED
& REINSTALLED
EX STA 2590+10
PR STA 2590+00**

Alpine Rd
EXIT 1 MILE

2E-22

SOLID WHITE (12)

MATCHLINE STA 2591+00.00

SOLID YELLOW (10)

EAST 20 MILE 22 .2

D10-5

(3) SOLID YELLOW

SOLID WHITE (12)

(13) SOLID WHITE

STA 2589+68.49
24.00' RT AC

STA 66+93.66
24.00' LT

W4-3

**W4-3
PROPOSED
SIGN
PR STA 2589+25**

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 64+88**

W4-3

**EXISTING SIGN
TO BE REMOVED
EX STA 2587+13**

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 63+38**

W4-2R

**W4-2R
PROPOSED
SIGN
PR STA 63+00**

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 61+83**

SOUTH 39 MILE 119 .2

D10-5

**EXISTING SIGN
TO BE REMOVED
& REINSTALLED
EX STA 141+88
PR STA 147+54**

(5) SKIP-DASH WHITE

PR ℄ RAMP DB

(3) SOLID WHITE

MATCHLINE STA 153+00.00

MATCHLINE STA 56+00.00

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 60+32**

NORTH 39 MILE 119 .2

D10-5

**EXISTING SIGN
TO BE REMOVE
& REINSTALLE
EX STA 61+59
PR STA 59+92**

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 58+75**

W1-8

**EXISTING SIGN
TO BE REMOVED
EX STA 57+19**

SPEED LIMIT 65 MINIMUM 45

SPEED LIMIT 65 MINIMUM 45

**(2) R2-1 WITH ONE FLAG
ON EACH SIDE
(2) R2-I102**

**PROPOSED SIGNS
PR STA 58+00**

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 2, 8, 13

MODEL: System Interchange - St-10 [Sheet]
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\108000\108800.00\Eng Docs\CAD Sheets\Pvmt_mrks_sign\Mainline and Ramps [Quigg]\D284C62-5th-gen\i-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS**

SCALE: 1"=50' | SHEET 10 OF 26 SHEETS | STA. 2578+00.00 TO STA. 2591+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	658
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

N

0 50 100 150
SCALE IN FEET

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 132+56 PR STA 136+25
D10-5
SOUTH 39 MILE 119 .4

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 2597+54 PR STA 2597+54
D10-5
WEST 20 MILE 22 .4

EXISTING SIGN TO BE REMOVED EX STA 2597+49
2I, J, K
FOOD - NEXT RIGHT

PROPOSED SIGN PR STA 2597+58
2I, J, K
FOOD - NEXT RIGHT

EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 121+88 PR STA 125+50
D10-5
SOUTH 39 MILE 119 .6

EXISTING SIGN TO BE REMOVED EX STA 2603+60
2E-1
SOUTH 39

MATCHLINE STA 138+00.00

PR ℄ RAMP BD

(3) SOLID WHITE
(3) SOLID YELLOW
(5) SKIP-DASH WHITE
(10) SOLID WHITE
STA 126+00.00 0.00' LT
STA 126+00.00 12.00' LT
STA 126+00.00 24.00' LT
(10) SOLID YELLOW
(13) SOLID WHITE
PROPOSED OVERHEAD SIGN TRUSS

MATCHLINE STA 124+00.00

MATCHLINE STA 2591+00.00

STA 69+70.44 12.00' LT
(11) SKIP-DASH WHITE
80' (TYP.)
(12) SOLID WHITE

MATCHLINE STA 2604+00.00

(3) SOLID WHITE
(5) SKIP-DASH WHITE
(12) SOLID WHITE
(13) SOLID WHITE
STA 70+69.50 30.69' LT
STA 70+69.50 13.54' LT
(10) SOLID YELLOW
(10) SOLID WHITE
(11) SOLID WHITE
PR ℄ RAMP DB
(13) SOLID WHITE
STA 78+68.99 25.89' LT
STA 78+68.92 13.89' LT
(12) DOTTED WHITE

STA 68+76.91 24.00' LT
STA 69+70.53 0.00' LT
(9) ARROW

PR ℄ US-20

NORTH 39 MILE 119 .4
D10-5
EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 2596+36 (MAINLINE) PR STA 69+64 (RAMP DB)

SPEED LIMIT 65 MINIMUM 45
R2-1
R2-I102
EXISTING SIGNS TO BE REMOVED EX STA 2596+98

RIGHT LANE ENDS
W9-1
PROPOSED SIGN PR STA 2601+30

RIGHT LANE ENDS
W9-1
EXISTING SIGN TO BE REMOVED EX STA 2602+17

NORTH 39 MILE 119 .6
D10-5
EXISTING SIGN TO BE REMOVED & REINSTALLED EX STA 2606+14 PR STA 2602+99

2E-23
EXIT 122
39 51 NORTH TO 90
Wisconsin
Chicago
3 MILES

W9-1 CUSTOM
RIGHT LANE ENDS

PROPOSED OVERHEAD SIGNS PR STA 2603+00

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 3, 9, 12

MODEL: System Interchange - SI-11 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800/10800.00/Eng_Docs/CAD *Sheets/Pvmt_mkg_sign/Mainline and Ramps [Quigg]/D26AC62-SIH-anhi-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 11 OF 26 SHEETS | STA. 2591+00.00 TO STA. 2604+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	659
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIGN
PR STA 122+20
D3-1
Mulford Rd

~~Mulford Rd~~
D3-1
EXISTING SIGN TO BE REMOVED
EX STA 122+23

EXISTING SIGN TO BE REMOVED & REINSTALLED
EX STA 121+88
PR STA 125+50
D10-5
SOUTH 39 MILE 119.6

~~Alpine Rd~~
~~EXIT 1 1/2 MILE~~

39 51 SOUTH
Bloomington
Normal
EXIT ONLY

E1-5 (2E-22)
EXISTING SIGN TO BE REMOVED
EX STA 2608+84

E11-1c (2E-13)
EXISTING SIGN TO BE REMOVED & REINSTALLED
EX STA 2608+84
PR STA 2614+00

D10-5
EXISTING SIGN TO BE REMOVED & REINSTALLED
EX STA 111+58
PR STA 114+88
SOUTH 39 MILE 119.8

N

0 50 100 150
SCALE IN FEET

MATCHLINE STA 124+00.00

MATCHLINE STA 2604+00.00

MATCHLINE STA 2617+00.00

PR ℄ RAMP BD

PR ℄ I-39

PR ℄ US-20

SOLID YELLOW (10)
STA 119+15.69
0.00' LT
STA 119+15.72
12.00' LT
STA 119+15.74
24.00' LT

(10) SOLID WHITE

(13) SOLID WHITE

(12) SOLID WHITE

80' (TYP.)

30' (TYP.)

PROPOSED SIGN
PR STA 2605+36
D3-1
Mulford Rd

~~Mulford Rd~~
D3-1
EXISTING SIGN TO BE REMOVED
EX STA 2605+35

W4-2R
PROPOSED SIGN
PR STA 2606+14

W4-2R
EXISTING SIGN TO BE REMOVED
EX STA 2607+10

NORTH 39 MILE 119.6
D10-5
EXISTING SIGN TO BE REMOVED & REINSTALLED
EX STA 2606+14
PR STA 2602+99

MULFORD RD

EXIT 119
SOUTH 39
2E-1
PROPOSED SIGN
PR STA 2606+94

PR ℄ US-20
EXISTING OVERHEAD SIGN TRUSS TO BE REMOVED

(10) SOLID WHITE
(12) DOTTED WHITE
STA 2611+30.95
49.50' RT

(11) SKIP DASH WHITE

SOLID YELLOW (10)
SOLID WHITE (13)
ARROW (9)

NORTH 39 51 20
M3-1 M1-1
M3-1 M1-4
M3-2 M1-4
PROPOSED SIGNS
PR STA 2610+59

~~NORTH 39 51 20~~
M3-1 M1-1
M3-1 M1-4
M3-2 M1-4
EXISTING SIGNS TO BE REMOVED
EX STA 2610+59

NORTH 39 MILE 119.8
D10-5
EXISTING SIGN TO BE REMOVED & REINSTALLED
EX STA 2616+79
PR STA 2613+55

LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 4, 11

MODEL: System Interchange - St-12 [Sheet]
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QUIGG ENGINEERING INC

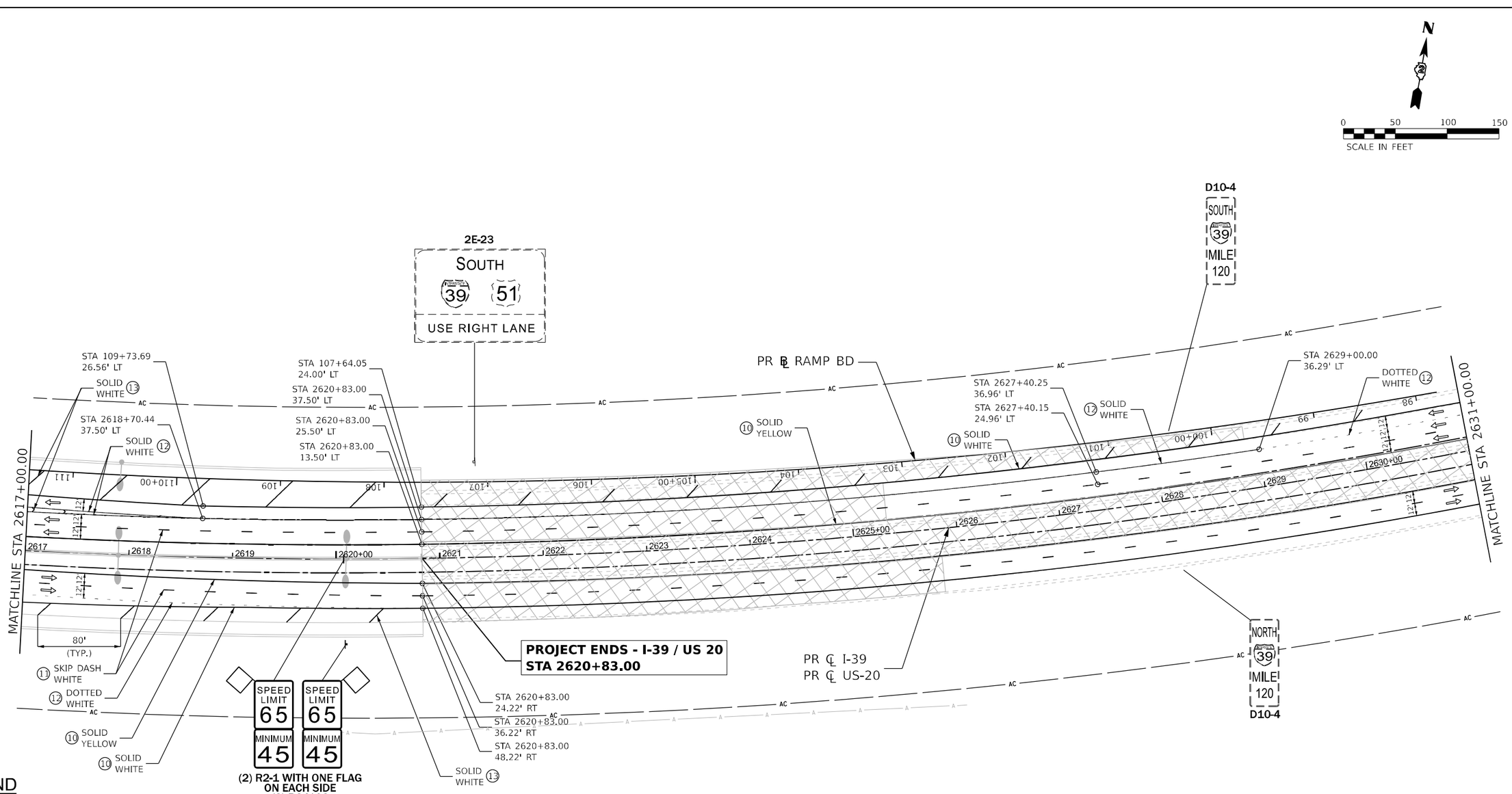
USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 12 OF 26 SHEETS | STA. 2604+00.00 TO STA. 2617+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	660
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 5, 10

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

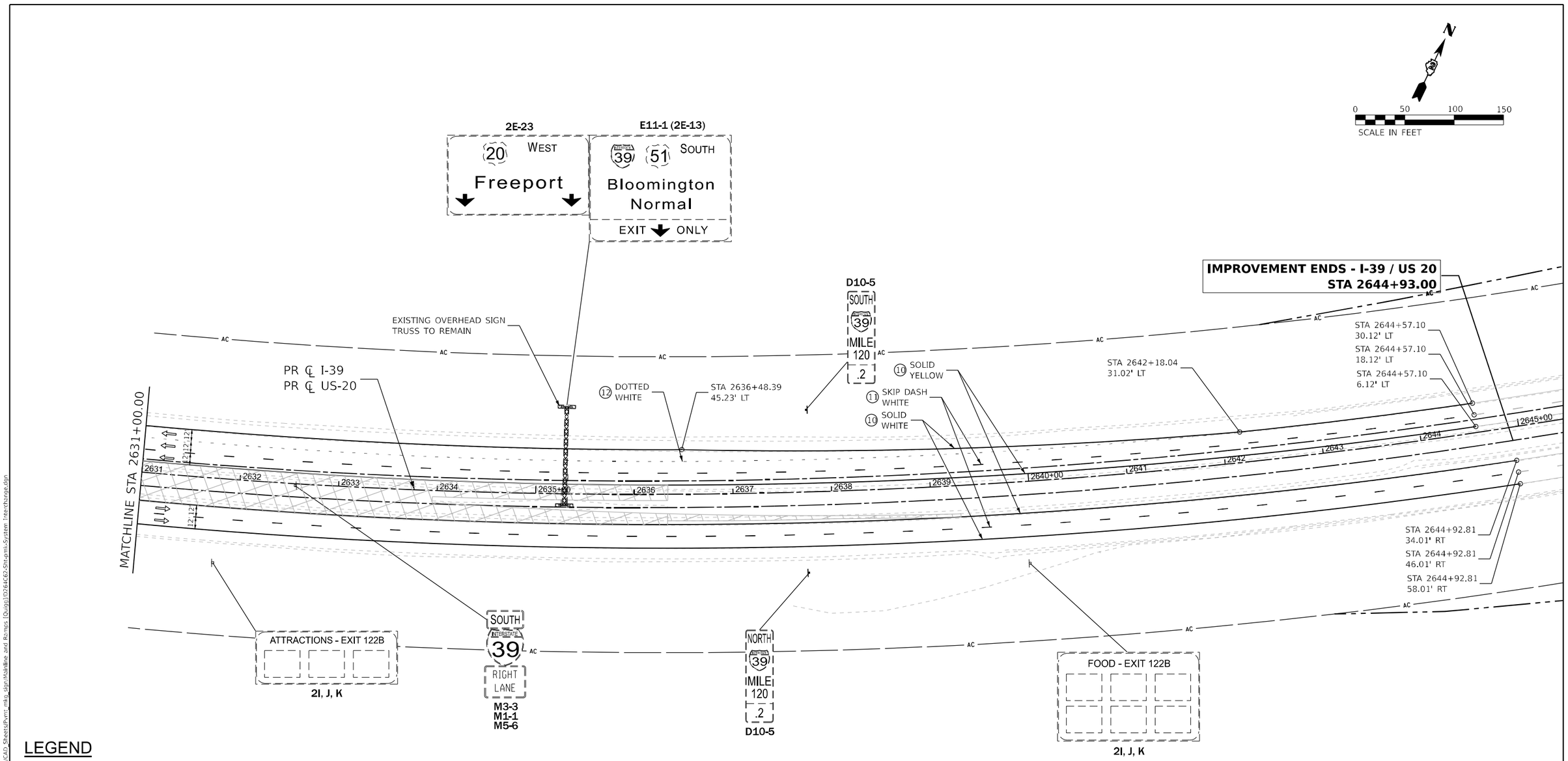
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 13 OF 26 SHEETS | STA. 2617+00.00 TO STA. 2631+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	661
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: System Interchange - St-13 [Sheet]
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LEGEND

1. PREF PL PM TD LTR/SYM WITH GRV RCSD PM LTR & SYM
2. PREF PL PM TD LN 4 WITH GRV RCSD PVT MRKG 5
3. PREF PL PM TD L 5 WITH GRV RCSD PVT MRKG 6
4. PREF PL PM TD L 6 WITH GRV RCSD PVT MRKG 7
5. PREF PL PM TD L 7 WITH GRV RCSD PVT MRKG 8
6. PREF PL PM TD L 8 WITH GRV RCSD PVT MRKG 9
7. PREF PL PM TD L 9 WITH GRV RCSD PVT MRKG 10
8. PREF PL PM TD L 12 WITH GRV RCSD PVT MRKG 13
9. MOD URETH PM LTR-SYM
10. MOD URETH PM LINE 4
11. MOD URETH PM LINE 6
12. MOD URETH PM LINE 8
13. MOD URETH PM LINE 12

◂ RAISED REFL PAVT MKR (ONE-WAY CRYSTAL)

KEYPLAN SHEET 28

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

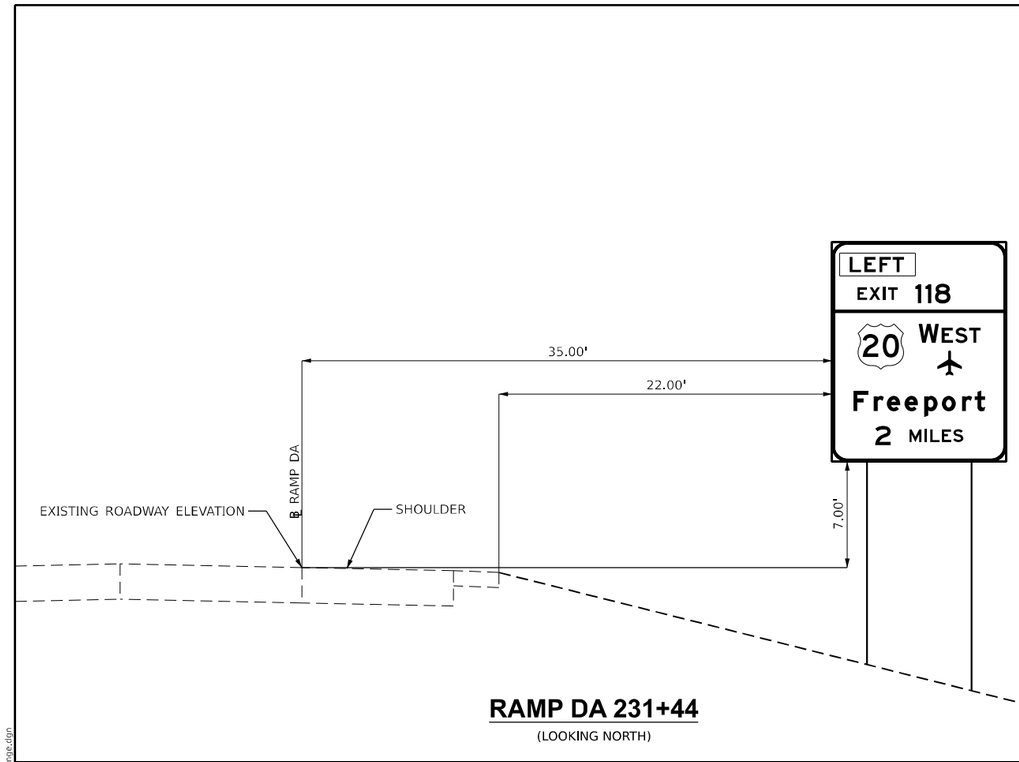
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=50' | SHEET 14 OF 26 SHEETS | STA. 2631+00.00 TO STA. END

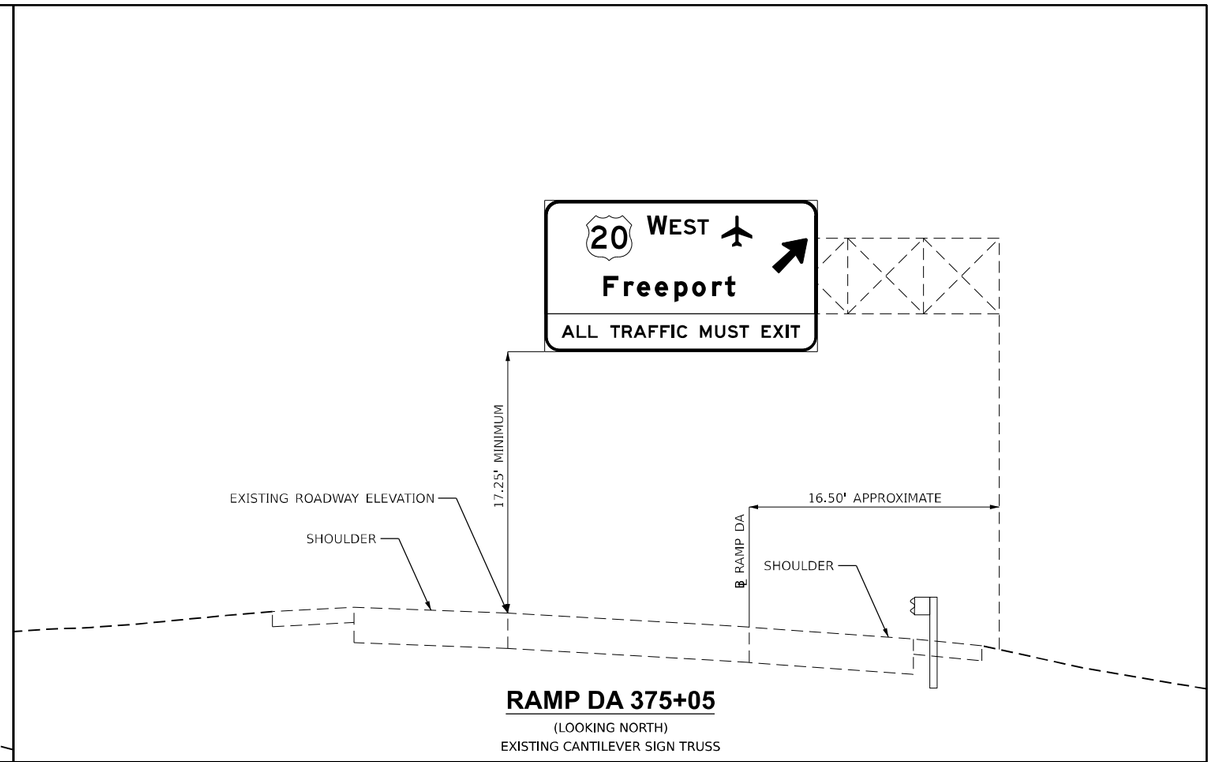
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		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: System Interchange - SI-14 [Sheet]
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RAMP DA 231+44

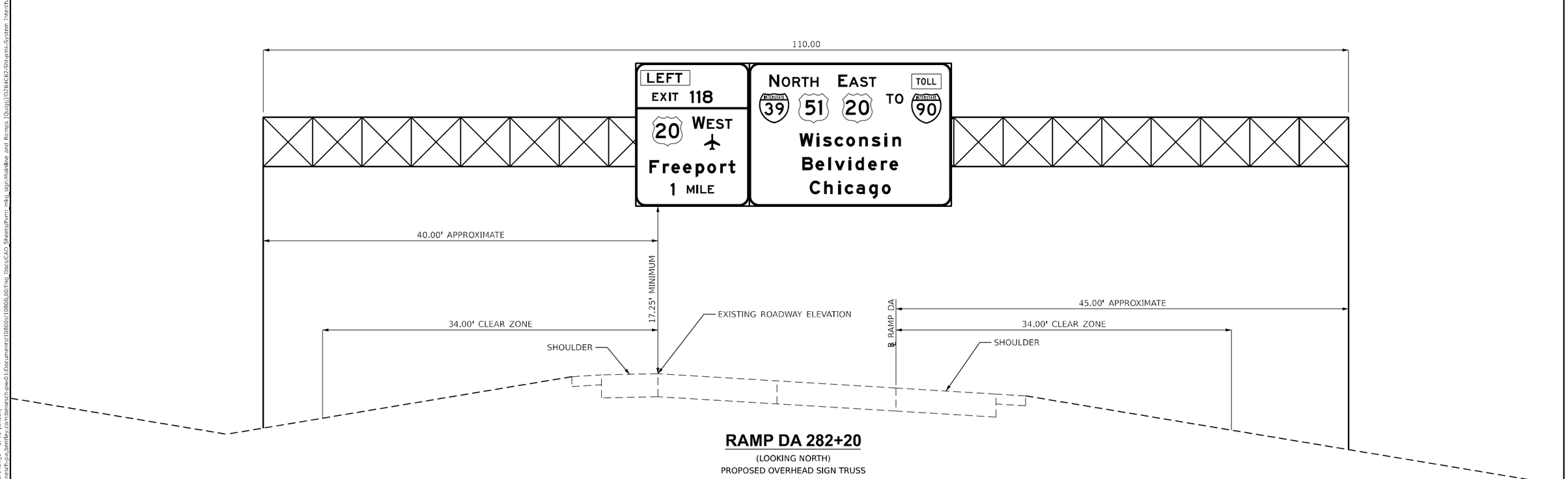
(LOOKING NORTH)



RAMP DA 375+05

(LOOKING NORTH)

EXISTING CANTILEVER SIGN TRUSS



RAMP DA 282+20

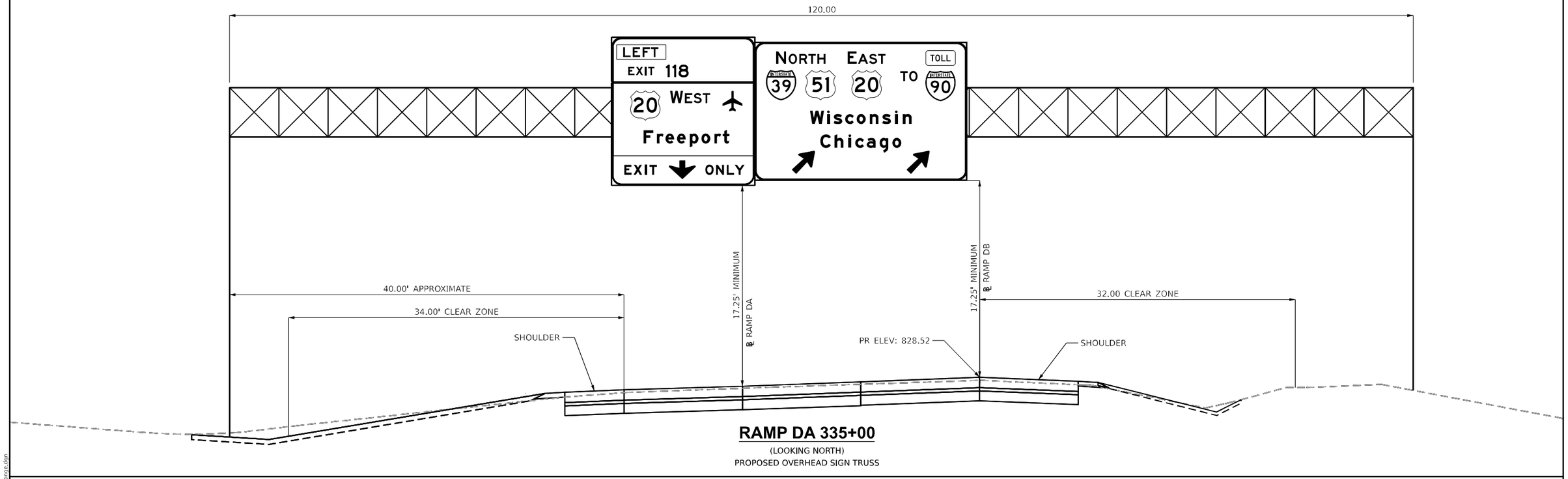
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PROPOSED OVERHEAD SIGN TRUSS

MODEL: System Interchange - Sh 15 [Sheet]
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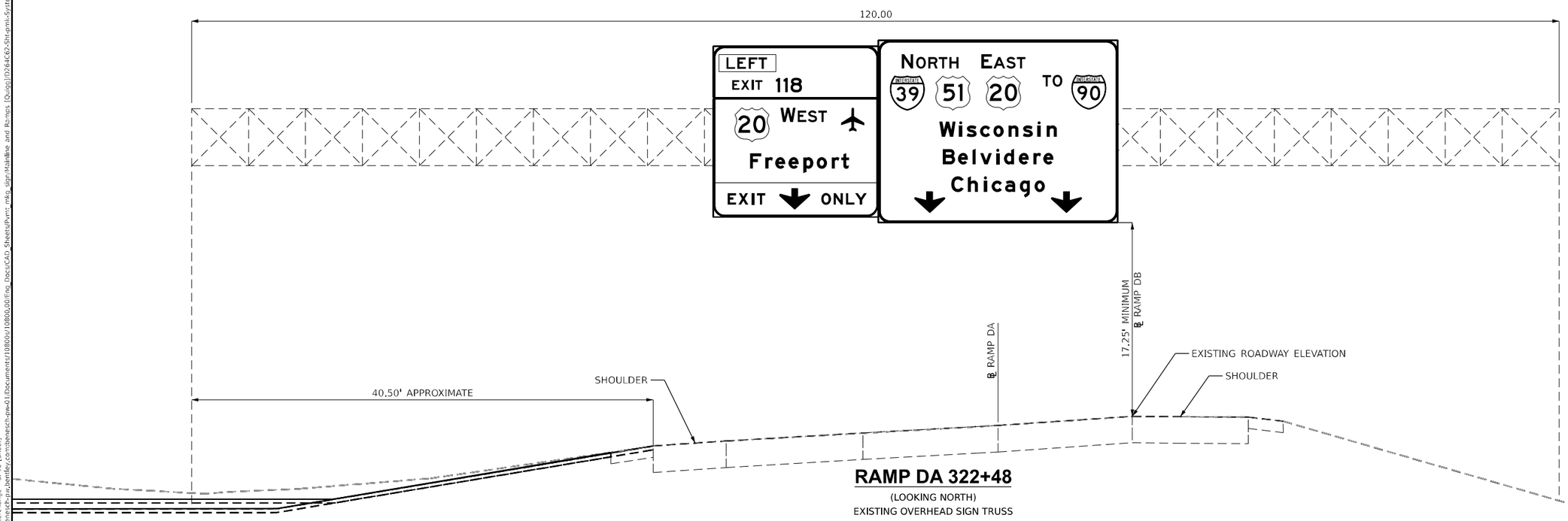
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		DRAWN - MW	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -		SCALE: 1"=5' | SHEET 15 OF 26 SHEETS | STA. TO STA.
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	663
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



RAMP DA 335+00

(LOOKING NORTH)
PROPOSED OVERHEAD SIGN TRUSS



RAMP DA 322+48

(LOOKING NORTH)
EXISTING OVERHEAD SIGN TRUSS

MODEL: System Interchange - Sh 16 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000/108000.00/Eng_Docs/CAD_Sheets/Pvmt_mkg_sign/MaldBve and Ramps [Quigg]D264C62-Sht-anns-System Interchange.dgn

QUIGG ENGINEERING INC

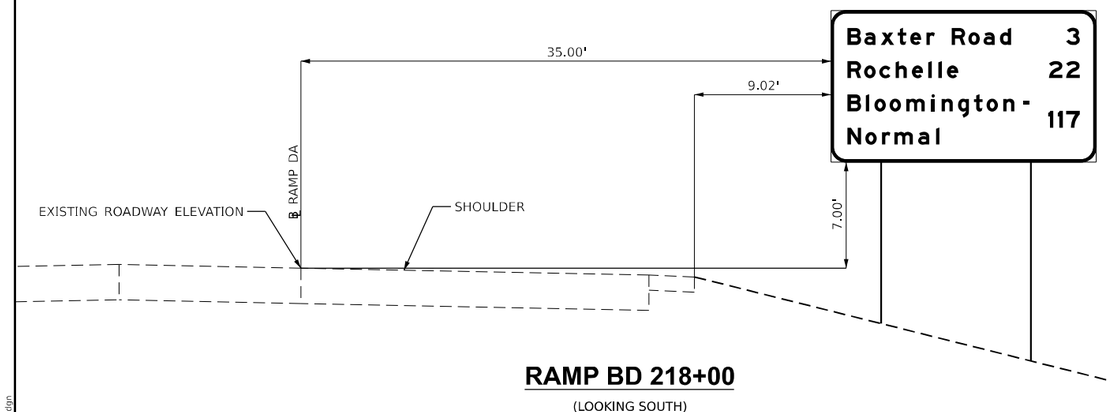
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	DRAWN - MW	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS

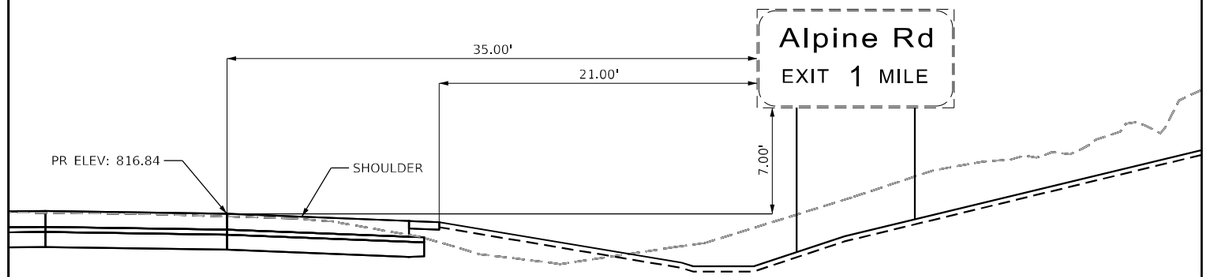
SCALE: 1"=5' | SHEET 16 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	664
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



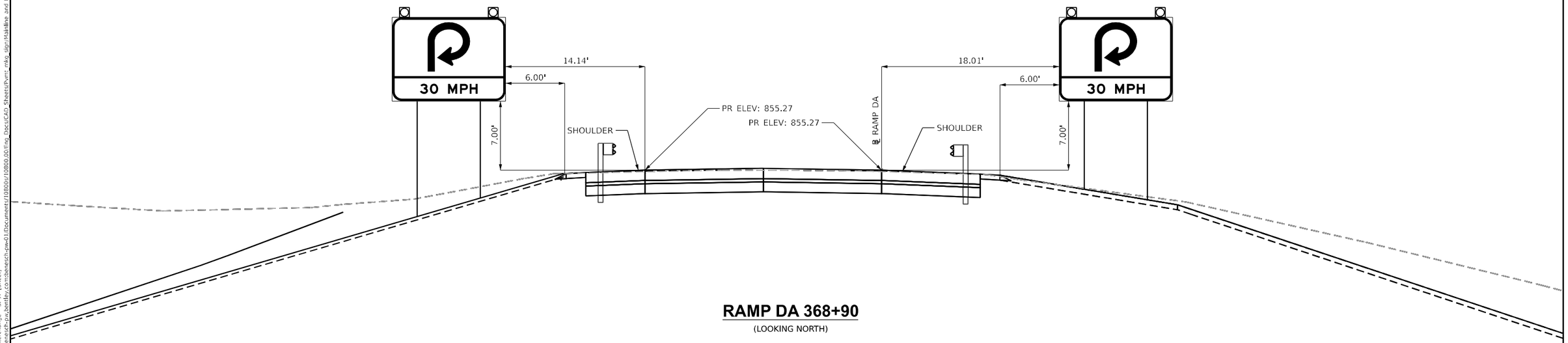
RAMP BD 218+00

(LOOKING SOUTH)



I-39/US-20 2590+00

(LOOKING WEST)



RAMP DA 368+90

(LOOKING NORTH)

MODEL: System Interchange - Sh 17 [Sheet]
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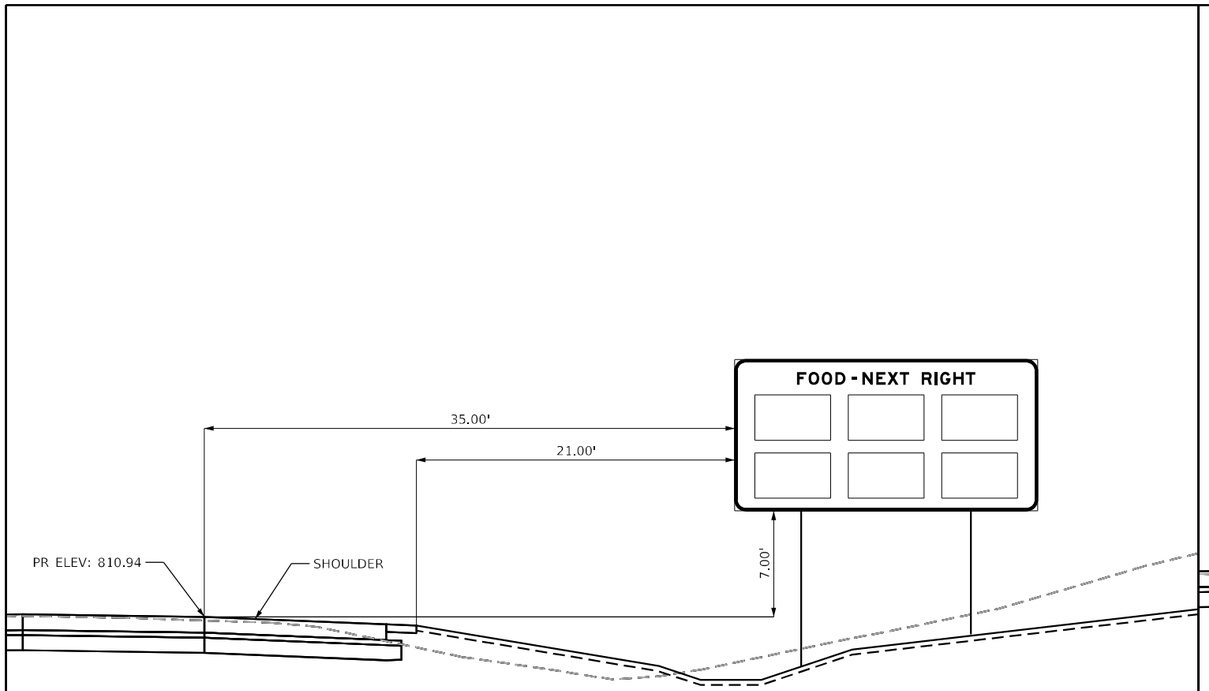
QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

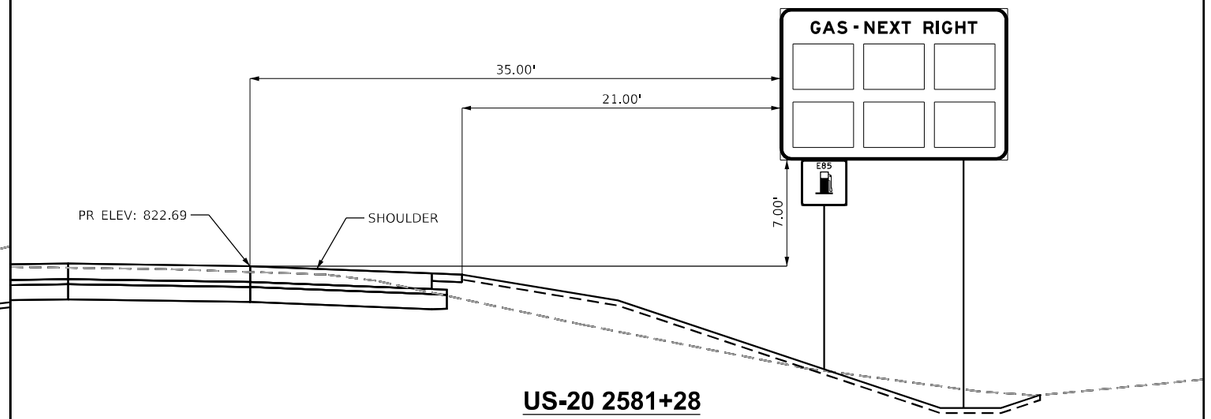
PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: 1"=5' | SHEET 17 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	665
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



US-20 2597+58
(LOOKING WEST)



US-20 2581+28
(LOOKING WEST)

I-39/US-20 2603+00
(LOOKING EAST)
PROPOSED OVERHEAD SIGN TRUSS

MODEL: System Interchange - Sh-18 [Sheet]
FILE NAME: pw://teneseh-pw.bentley.com:teneseh-pw-01/Documents/10800/10800.00/Eng_Docs/CAD_Sheets/Pvmt_mkg_sign/Mainline and Ramps [Quigg]!D264C62-Sht-annl-System Interchange.dgn

QUIGG ENGINEERING INC

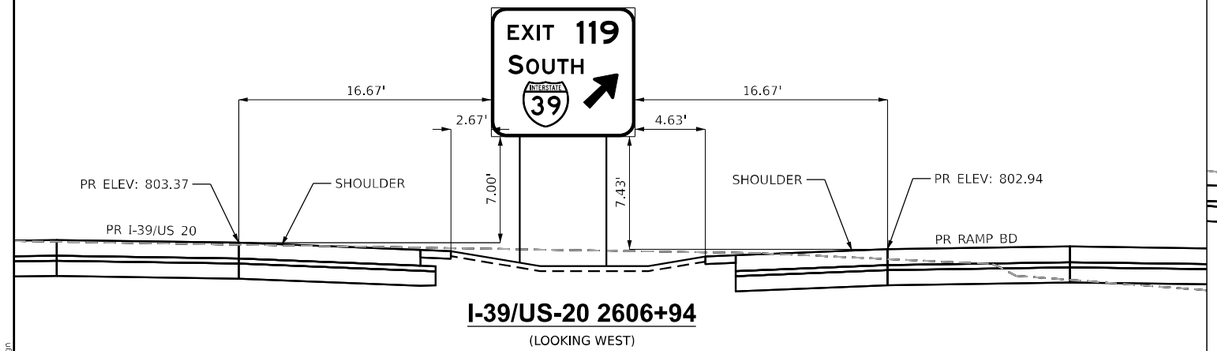
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	DRAWN - MW	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS

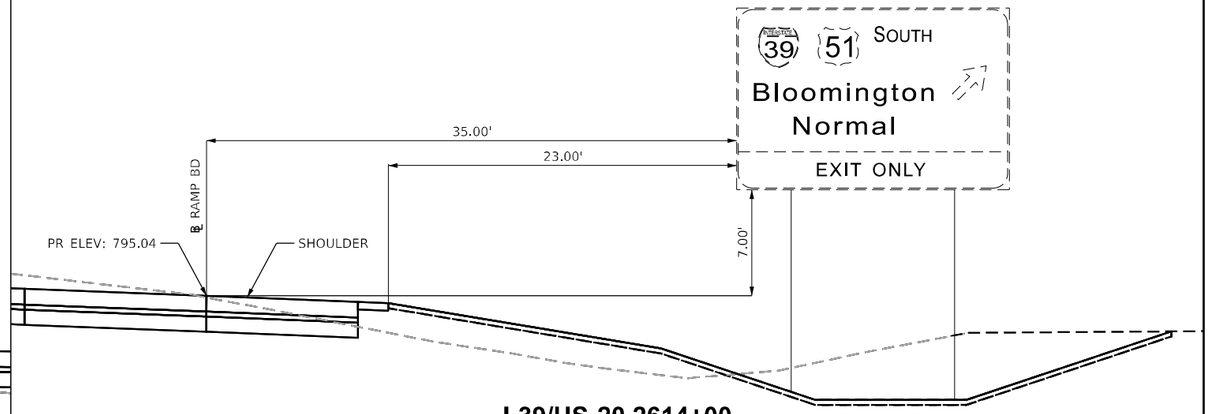
SCALE: 1"=5' | SHEET 18 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	666
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



I-39/US-20 2606+94

(LOOKING WEST)



I-39/US-20 2614+00

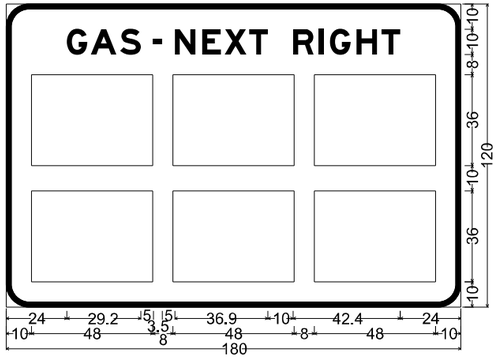
(LOOKING WEST)

MODEL: System Interchange - Sh-19 [Sheet]
FILE NAME: pw://bleneseh-pw.bentley.com:bleneseh-pw-01/Documents/108000/108000.00/Eng_Docs/CAD_Sheets/Pvmt_mkg_sign/Mainline and Ramps [Quigg]D264C62-Sht-gmis-System Interchange.dgn

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	**PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS**
		DRAWN - MW	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -		SCALE: 1"=5' | SHEET 19 OF 26 SHEETS | STA. TO STA.
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	667
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

2581+29 (I-39/US-20 WB)

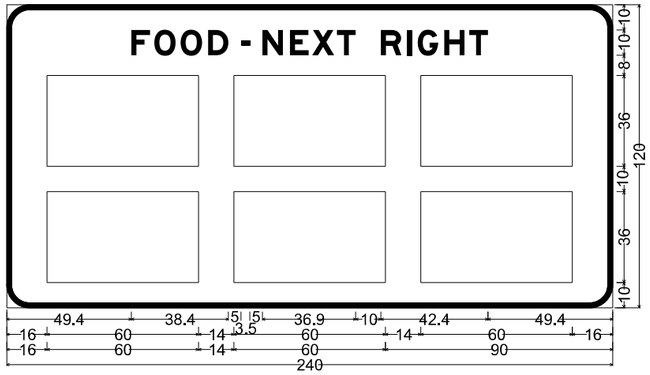


9.0" Radius, 2.0" Border, White on Blue;
"GAS - NEXT RIGHT", E Mod 2K;
Table of letter and object lefts

G	A	S	-	N	E	X	T	R	I	G	H	T
24.0	33.5	45.1	58.2	66.7	77.6	86.4	96.2	113.6	123.8	128.2	138.7	148.6

10.0	66.0	122.0
10.0	66.0	122.0

2597+58 (I-39/US-20 WB)

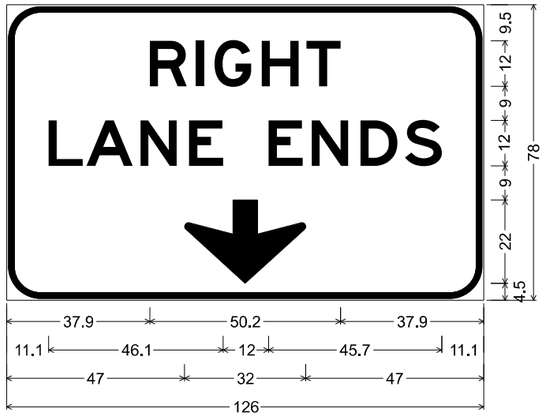


9.0" Radius, 2.0" Border, White on Blue;
"FOOD - NEXT RIGHT", E Mod 2K;
Table of letter and object lefts

F	O	O	D	-	N	E	X	T	R	I	G	H	T
49.4	58.5	68.9	79.7	92.8	101.3	112.2	121.0	130.8	148.2	158.4	162.8	173.3	183.2

16.0	90.0	164.0
16.0	90.0	164.0

2603+00 (I-39/US-20 EB)

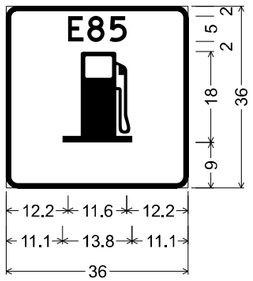


9.0" Radius, 1.5" Border, 0.5" Indent, Black on Fluorescent yellow;
"RIGHT", E 2K; "LANE ENDS", E 2K;
Down Arrow 22.0" 270°;
Table of distances between letter and object lefts

37.9	R 12.1	I 4.9	G 12.5	H 11.7	T 9.0	37.9

11.1	L 10.0	A 14.2	N 12.9	E 21.0	E 11.4	N 12.8	D 11.8	S 9.7	11.1

47.0	↓ 32.0	47.0



2.3" Radius, 0.9" Border, White on Blue;
"E85", D 2K;
Symbol RM060;

MODEL: System Interchange - SI-20 [Sheet]
FILE NAME: pw:\\eneset-pw.bentley.com:eneset-pw-01\Documents\10800s\10800s30\Eng Docs\CAD Sheets\Pvmt_mrks_sign\Mainline and Ramps [Quigg]\D264C62-5fd-gmii-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

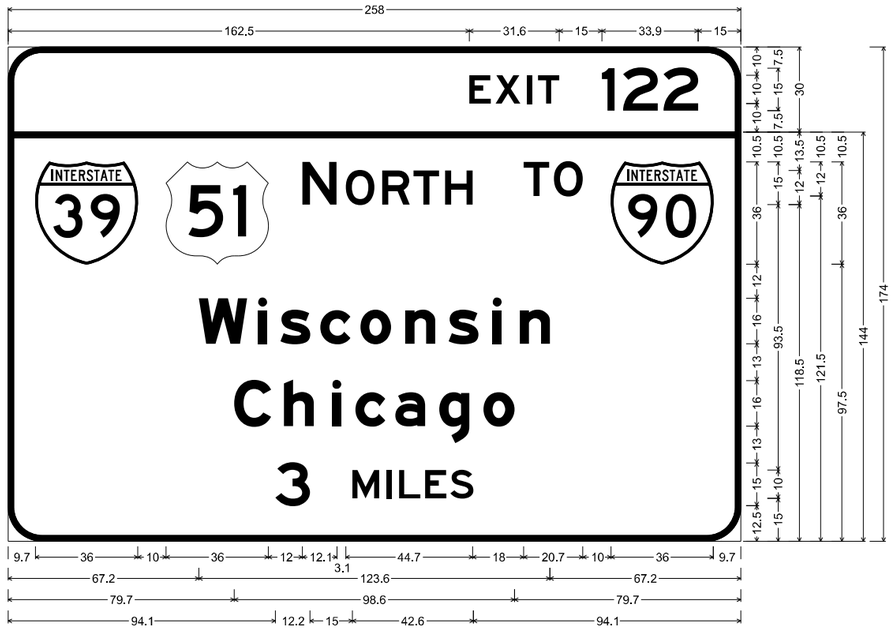
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 20 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	668
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

2603+00 (I-39/US-20 EB)



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K 120% spacing; " 122", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K; "TO", E 2K; "Wisconsin", E Mod 2K; "Chicago", E Mod 2K; "3 MILES", E 2K;
Table of distances between letter and object lefts

162.5	E 9.2	X 11.1	I 3.8	T 22.5	1 7.5	2 14.3	2 12.1	15.0

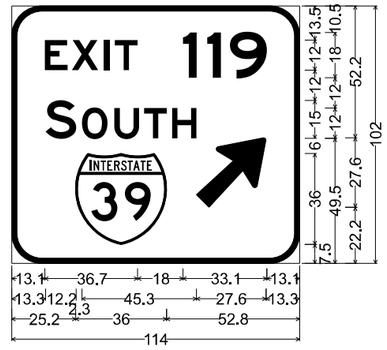
9.7	39 46.0	51 48.0	N 15.2	O 12.9	R 11.0	T 11.0	H 27.8	T 10.6	O 20.1	90 36.0	9.7

67.2	W 20.8	i 7.9	s 14.1	c 14.0	o 15.9	n 15.2	s 15.5	i 9.6	n 10.6	67.2

79.7	C 17.5	h 16.9	i 8.2	c 14.1	a 15.5	g 15.5	o 10.9	79.7

94.1	3 27.2	M 12.0	I 4.4	L 9.2	E 8.9	S 8.1	94.1

2606+94 (I-39/US-20 WB)



12.0" Radius, 2.0" Border, White on Green;
"EXIT 119", E 2K; "SOUTH", E 2K;
Arrow 160 - 35.0" 45°;
Table of letter and object lefts

E 13.1	X 23.8	I 36.6	T 40.8	1 67.8	1 77.3	9 86.3

S 13.3	O 27.8	U 40.6	T 52.4	H 63.4	↗ 73.1

● 25.2

MODEL: System Interchange - Sh21 [Sheet]
FILE NAME: pw:\\heneseh-pw.bentley.com:heneseh-pw-01\Documents\108000\108000_00\Eng_Docs\CAD_Sheets\Pvmt_mkg_sign\Mainline and Ramps [Quigg]\D264C62-SH-anni-System Interchange.dgn

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

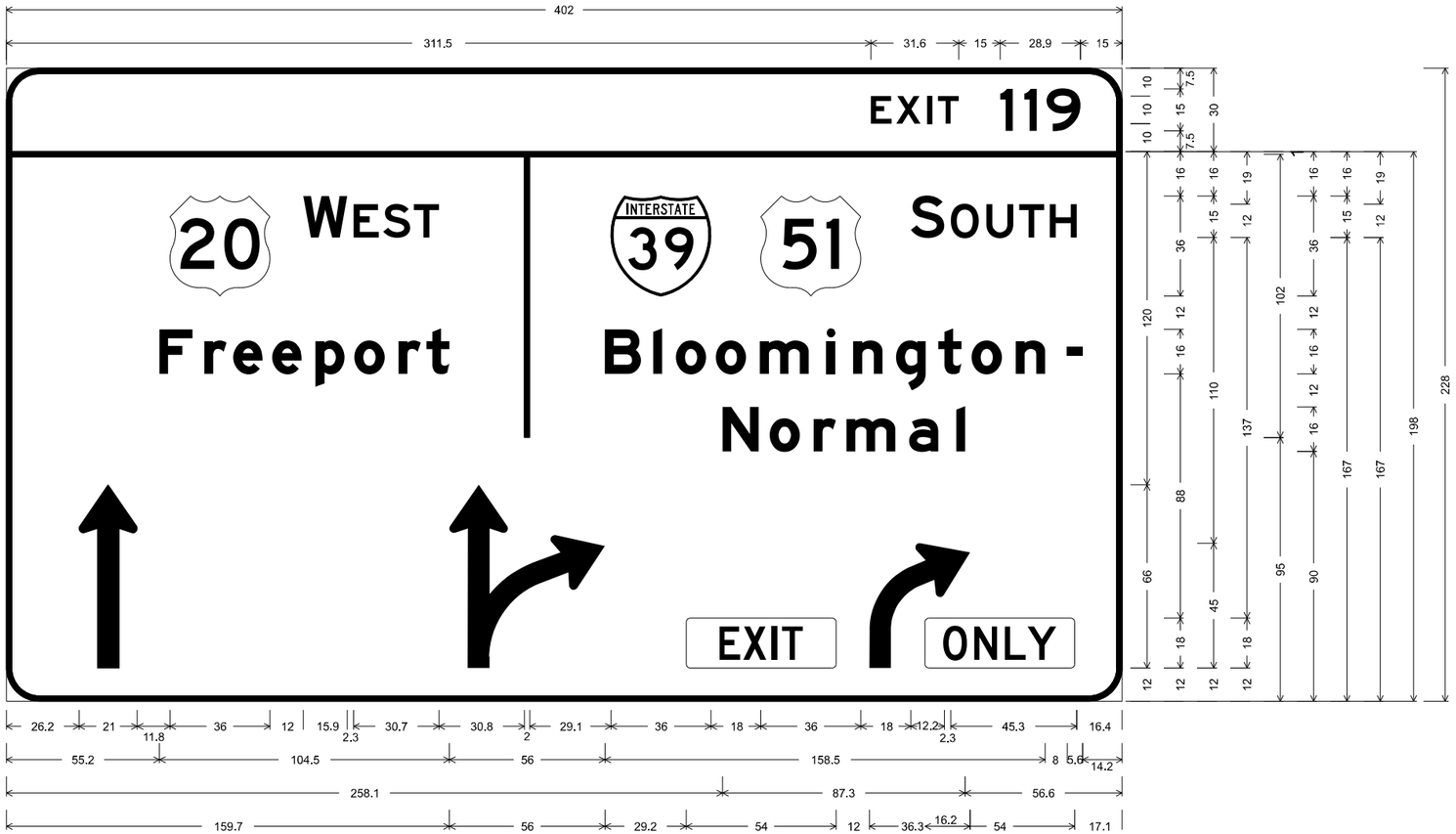
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 21 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	669
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

2635+29 (I-39/US-20 WB)



12.0" Radius, 2.0" Border, White on Green;
"EXIT 119", E 2K 120% spacing;

12.0" Radius, 2.0" Border, White on Green;
Standard Arrow Custom 66.0" X 21.0" 90°; "WEST", E 2K; "Freeport", E Mod 2K; "SOUTH", E 2K;
"Bloomington -", E Mod 2K; "Normal", E Mod 2K; thru-right arrow; Rounded Rectangle 1.5" Radius Fluorescent yellow;
right arrow; Rounded Rectangle 1.5" Radius Fluorescent yellow;

MODEL: System Interchange - Sk22 [Sheet]
FILE NAME: ow://benesch-pw.bentley.com:benesch-pw-01/Document/10800v/10800,00/Eng_Docs/CAD_Sheets/Port - mkg_sign/MainLine and Ramps [Quigg]/D2614C62-5fd1-gml-System Interchange.dgn

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

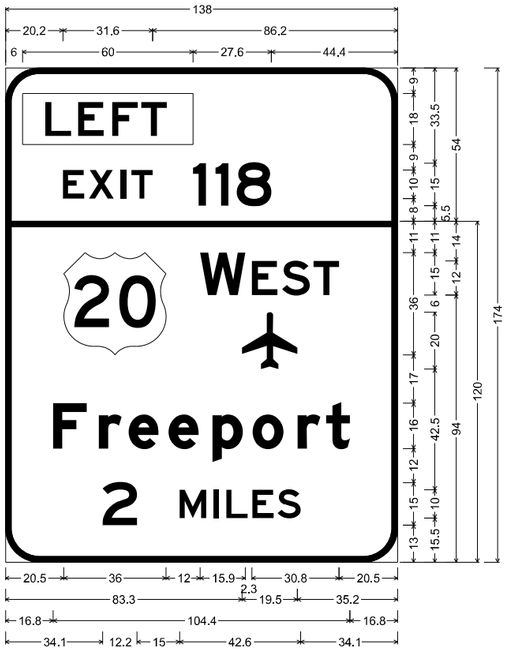
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 22 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	670
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

231+44 (RAMP DA)

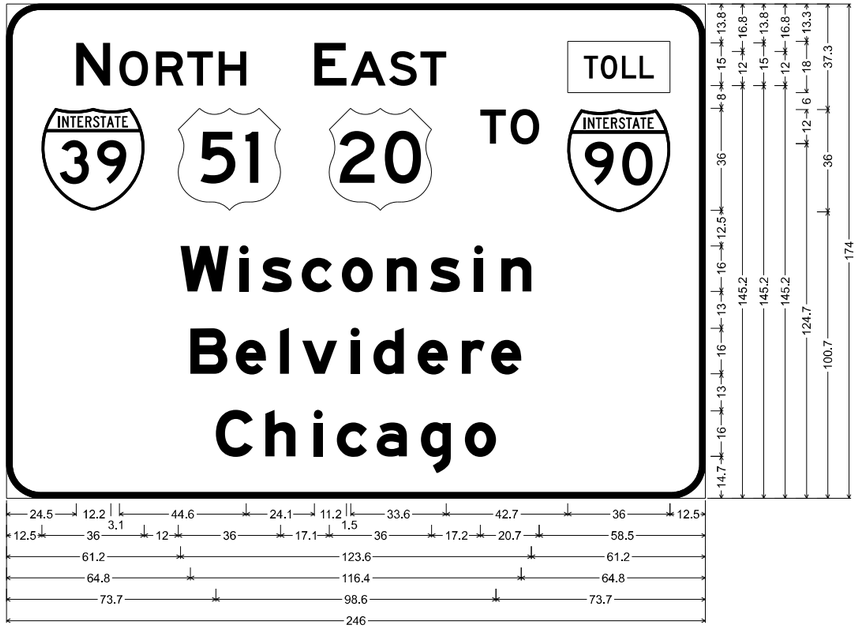


12.0" Radius, 2.0" Border, White on Green;
Rectangle Yellow;
"EXIT", E 2K 120% spacing; "118", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K; Symbol RA010; "Freeport", E Mod 2K;
"2 MILES", E 2K;
Table of distances between letter and object lefts

6.0	▭ 60.0	1 7.9	1 7.6	8 12.1	44.4							
20.2	E 9.2	X 11.1	I 3.8	T 7.5	86.2							
20.5	20 48.0	W 18.2	E 10.7	S 11.1	T 9.0	20.5						
83.3	✈ 19.5	35.2										
16.8	F 16.1	r 10.4	e 14.1	e 15.5	p 14.1	o 15.8	r 10.1	t 8.3	16.8			
34.1	2 27.2	M 12.0	I 4.4	L 9.2	E 8.9	S 8.1	34.1					

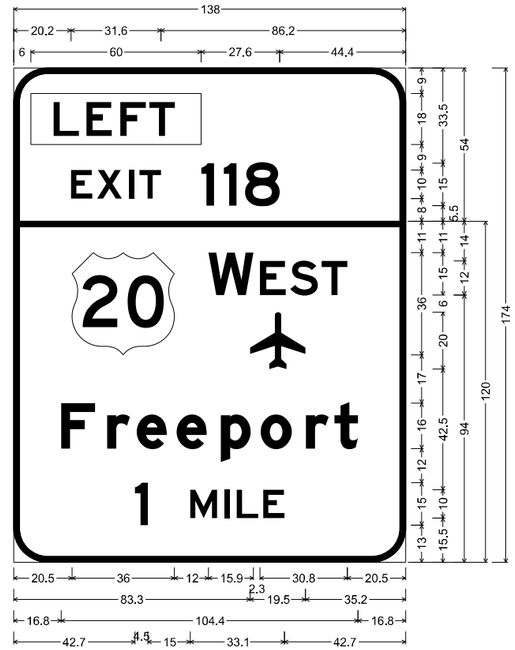
282+20 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K; "EAST", E 2K; Rectangle Fluorescent yellow;
"TO", E 2K; "Wisconsin", E Mod 2K; "Belvidere", E Mod 2K; "Chicago", E Mod 2K;
Table of distances between letter and object lefts

24.5	N 15.3	O 12.8	R 11.0	T 11.1	H 33.8	E 12.7	A 13.5	S 11.1	T 51.7	▭ 36.0	12.5	
12.5	39 48.0	51 53.1	20 53.2	T 10.7	O 20.0	90 36.0	12.5					
61.2	W 20.8	i 7.9	s 14.1	c 14.0	o 15.9	n 15.2	s 15.5	i 9.6	n 10.6	61.2		
64.8	B 16.0	e 15.5	l 7.8	v 17.0	i 8.1	d 15.6	e 15.5	r 10.4	e 10.5	64.8		
73.7	C 17.5	h 16.9	i 8.2	c 14.1	a 15.5	g 15.5	o 10.9	73.7				

282+20 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
Rectangle Yellow;
"EXIT", E 2K 120% spacing; "118", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K; Symbol RA010; "Freeport", E Mod 2K;
"1 MILE", E 2K;
Table of distances between letter and object lefts

6.0	▭ 60.0	1 7.9	1 7.6	8 12.1	44.4							
20.2	E 9.2	X 11.1	I 3.8	T 7.5	86.2							
20.5	20 48.0	W 18.2	E 10.7	S 11.1	T 9.0	20.5						
83.3	✈ 19.5	35.2										
16.8	F 16.1	r 10.4	e 14.1	e 15.5	p 14.1	o 15.8	r 10.1	t 8.3	16.8			
42.7	1 19.5	M 12.0	I 4.4	L 9.2	E 7.5	42.7						

MODEL: System Interchange - Sh23 [Sheet]
FILE NAME: pw:\\beneseh-pw.bentley.com:beneseh-pw-01\Documents\10800\10800.00\Eng_Docs\CAD_Sheets\Pvmt_mkg_sign\Mainline and Ramps [Quigg]\D26A4B2-SH-annu-System Interchange.dgn

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -
		DRAWN - MW	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

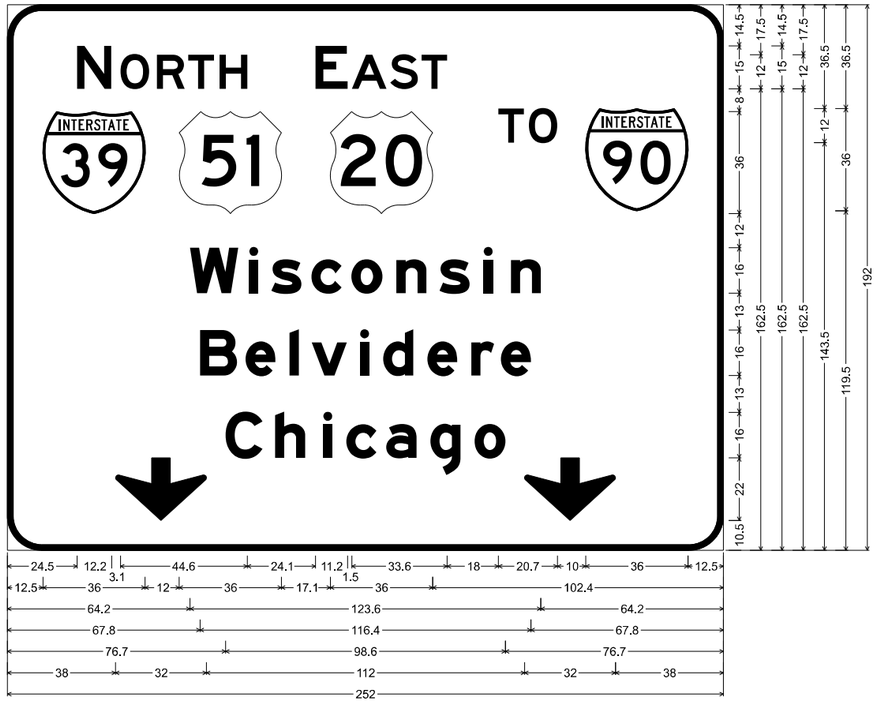
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 23 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	671
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

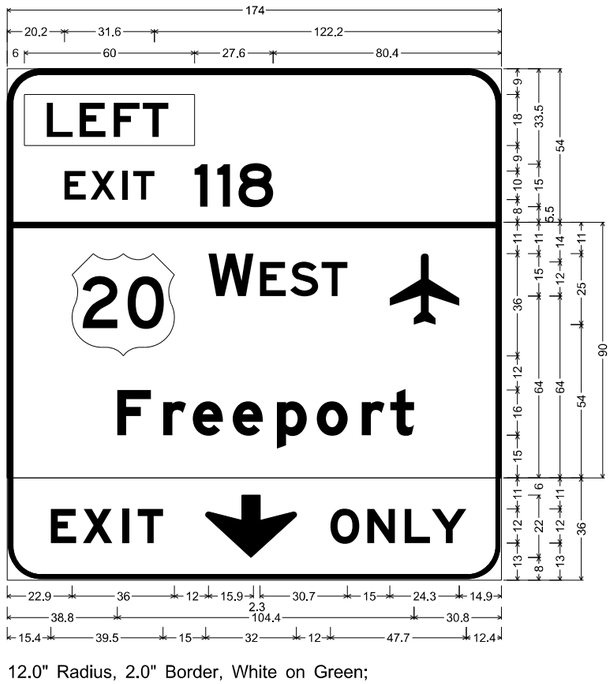
322+47 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K; "EAST", E 2K; " ", E 2K; "TO", E 2K;
"Wisconsin", E Mod 2K; "Belvidere", E Mod 2K;
"Chicago", E Mod 2K; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;
Table of distances between letter and object lefts

24.5	**N** 15.3	**O** 12.8	**R** 11.0	**T** 11.1	**H** 33.8	**E** 12.7	**A** 13.5	**S** 11.1	**T** 9.0	97.2	
12.5	39 48.0	51 53.1	20 59.2	**T** 10.7	**O** 20.0	90 36.0	12.5				
64.2	**W** 20.8	**i** 7.9	**s** 14.1	**c** 14.0	**o** 15.9	**n** 15.2	**s** 15.5	**i** 9.6	**n** 10.6	64.2	
67.8	**B** 16.0	**e** 15.5	**l** 7.8	**v** 17.0	**i** 8.1	**d** 15.6	**e** 15.5	**r** 10.4	**e** 10.5	67.8	
76.7	**C** 17.5	**h** 16.9	**i** 8.2	**c** 14.1	**a** 15.5	**g** 15.5	**o** 10.9	76.7			
38.0	↓ 144.0	↓ 32.0	38.0								

322+47 & 335+00 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
Rectangle Fluorescent yellow;
"EXIT", E 2K 120% spacing; "118", E 2K;
12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K; Symbol RA010; "Freeport", E Mod 2K;
12.0" Radius, 1.5" Border, 0.5" Indent, Black on Fluorescent yellow;
"EXIT", E Mod 2K 140% spacing; Down Arrow 22.0" 270°;
"ONLY", E Mod 2K;
Table of distances between letter and object lefts

6.0	▭ 60.0	**1** 7.9	**1** 7.6	**8** 12.1	80.4					
20.2	**E** 9.2	**X** 11.1	**I** 3.8	**T** 7.5	122.2					
22.9	20 48.0	**W** 18.2	**E** 10.6	**S** 11.1	**T** 24.0	✈ 24.3	14.9			
38.8	**F** 16.1	**r** 10.4	**e** 14.1	**e** 15.5	**p** 14.1	**o** 15.8	**r** 10.1	**t** 8.3	30.8	
15.4	**E** 11.2	**X** 14.0	**I** 5.4	**T** 23.9	↓ 44.0	**O** 12.9	**N** 13.1	**L** 9.6	**Y** 12.1	12.4

MODEL: System Interchange - Sh24 [Sheet]
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\108000\108000.00\Eng Docs\CAD Sheets\Pvmt_mrkg_sign\Mainline and Ramps [Quigg]\D284C62-Sht-pmk-System Interchange.dgn

QUIGG ENGINEERING INC

USER NAME = slemanski	DESIGNED - MW	REVISED -	
	DRAWN - MW	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

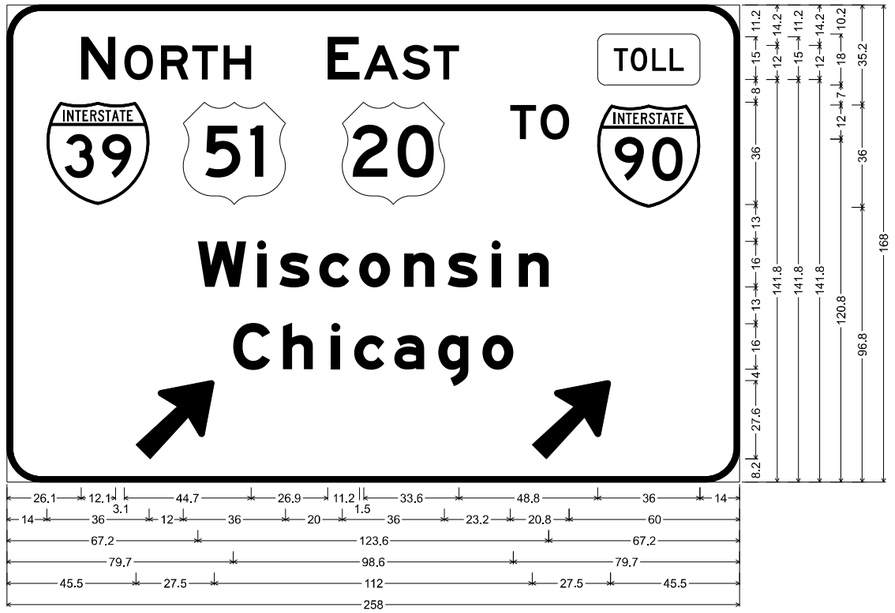
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 24 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	672
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

335+00 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K; "EAST", E 2K; Rounded Rectangle 3.0" Radius Fluorescent yellow;
"TO", E 2K; "Wisconsin", E Mod 2K;
"Chicago", E Mod 2K; Arrow 160 - 35.0" 45°; Arrow 160 - 35.0" 45°;

Table of distances between letter and object lefts

26.1	N 15.2	O 12.9	R 11.0	T 11.1	H 36.6	E 12.7	A 13.6	S 11.0	T 57.8	▭ 36.0	14.0

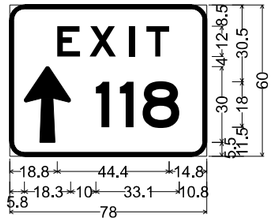
14.0	39 48.0	51 56.0	20 59.2	T 10.7	O 20.1	90 36.0	14.0

67.2	W 20.8	i 7.9	s 14.1	c 14.0	o 15.9	n 15.2	s 15.5	i 9.6	n 10.6	67.2

79.7	C 17.5	h 16.9	i 8.2	c 14.1	a 15.5	g 15.5	o 10.9	79.7

45.5	↗ 139.5	↗ 27.5	45.5

354+91 (RAMP DA)

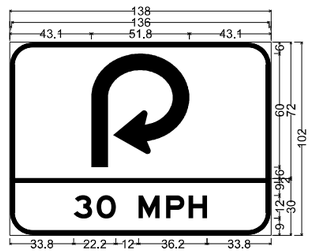


6.0" Radius, 1.5" Border, White on Green;
"EXIT", E 2K 225% spacing;
Arrow 133 - 30.0" 90°;
"118 ", E 2K;
Table of letter and object lefts

E 18.8	X 31.6	I 47.4	T 54.2

↑ 5.8	1 34.1	1 43.6	8 52.6

368+90 (RAMP DA)

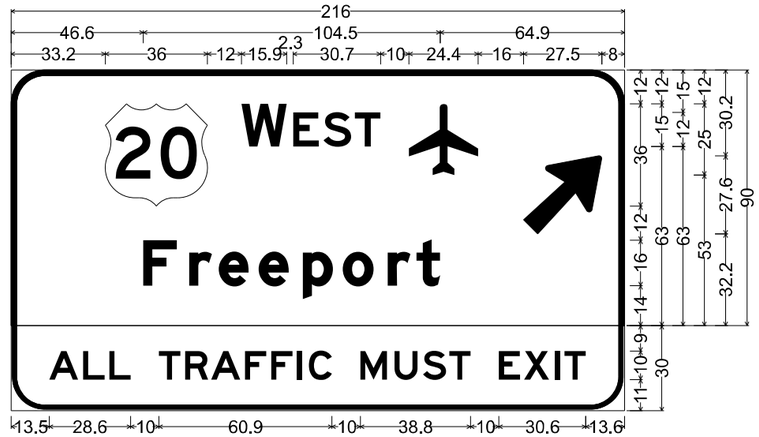


12.0" Radius, 2.0" Border, 0.5" Indent, Black on Fluorescent yellow;

12.0" Radius, 2.0" Border, 0.5" Indent, Black on Fluorescent yellow;
"30 MPH", E Mod 2K;
Table of letter and object lefts

43.1				
— 1.0				
3 33.8	O 46.0	M 68.0	P 82.6	H 94.4

375+05 (RAMP DA)



12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K; Symbol RA010; "Freeport", E Mod 2K; Arrow 160 - 35.0" 45°;

12.0" Radius, 1.5" Border, 0.5" Indent, Black on Fluorescent yellow;
"ALL TRAFFIC MUST EXIT", E 2K;
Table of distances between letter and object lefts

33.2	⬢ 48.0	W 18.2	E 10.7	S 11.0	T 19.0	✈ 40.4	↗ 27.5	8.0

46.6	F 16.2	r 10.4	e 14.0	e 15.6	p 14.0	o 15.9	r 10.1	t 8.3	64.9

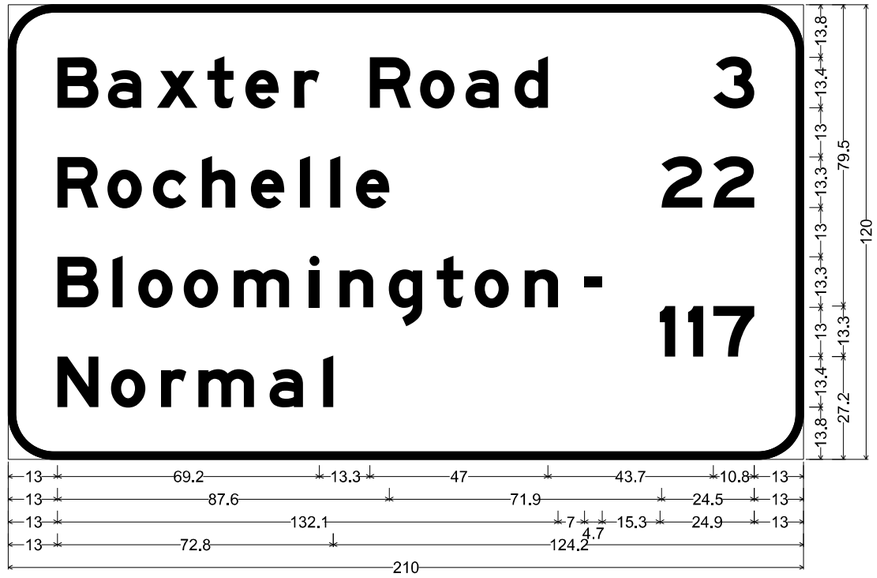
13.5	A 11.9	L 9.2	L 17.5	T 9.2	R 9.2	A 11.9	F 9.2	F 9.2	I 4.1	C 18.1	M 12.0	U 10.1	S 9.2	T 17.5	E 8.9	X 10.7	I 3.5	T 7.5	13.6

MODEL: System Interchange - SI-25 [Sheet]
FILE NAME: pw:\\kennech-pw.bentley.com:kennech-pw-01\Documents\10800s\10800_00\Eng_Docs\CAD Sheets\Pvmt_mrks_sign\Mainline and Ramps [Quigg]\D2764-C62-Sht-pmt-System Interchange.dgn

QUIGG ENGINEERING INC	USER NAME = slemanski	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS
		DRAWN - MW	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED - FBN	REVISED -		
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		SCALE: NONE SHEET 25 OF 26 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	673
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

203+72 (RAMP BD)



I-39 SB - south of US 20;

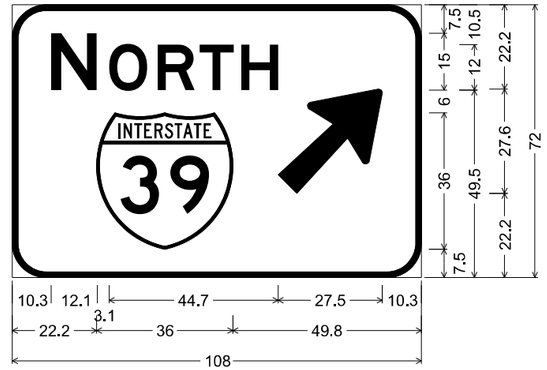
12.0" Radius, 2.0" Border, White on Green;

"Baxter Road ", E Mod 2K; "Rochelle", E Mod 2K;
"Bloomington -", E Mod 2K; "Normal", E Mod 2K; "3", E Mod 2K;
"22", E Mod 2K; "117", E Mod 2K;

Table of letter and object lefts

B 13.0	**a** 26.3	**x** 39.3	**t** 52.6	**e** 62.6	**r** 75.5	**R** 95.5	**o** 108.7	**a** 120.7	**d** 133.7	**3** 186.2
R 13.0	**o** 26.2	**c** 38.2	**h** 51.1	**e** 64.1	**l** 77.0	**l** 85.0	**e** 91.8	**2** 172.5	**2** 186.2	
B 13.0	**l** 27.5	**o** 34.3	**o** 46.3	**m** 59.5	**i** 79.5	**n** 87.5	**g** 100.5	**t** 113.1	**o** 123.1	**n** 136.3	**-** 152.1	**1** 172.1	**1** 179.5	**7** 186.2
N 13.0	**o** 27.1	**r** 40.3	**m** 50.2	**a** 69.0	**l** 83.1					

41+96 (RAMP DB)



9.0" Radius, 1.5" Border, White on Green;
"NORTH", E 2K; Arrow 160 - 35.0" 45°;
Table of letter and object lefts

N 10.3	**O** 25.5	**R** 38.4	**T** 49.4	**H** 60.5	↗ 70.2

39 22.2

MODEL: System Interchange - Sht-26 [Sheet]
FILE NAME: pw:\\beneasch-pw.bentley.com:beneasch-pw-01\Documents\10800\10800.00 Eng. Docs\CAD Sheets\Pvmt_mrks_sign\Mainline and Ramps [Quigg]\D264C67-Sht-System Interchange.dgn

QUIGG ENGINEERING INC

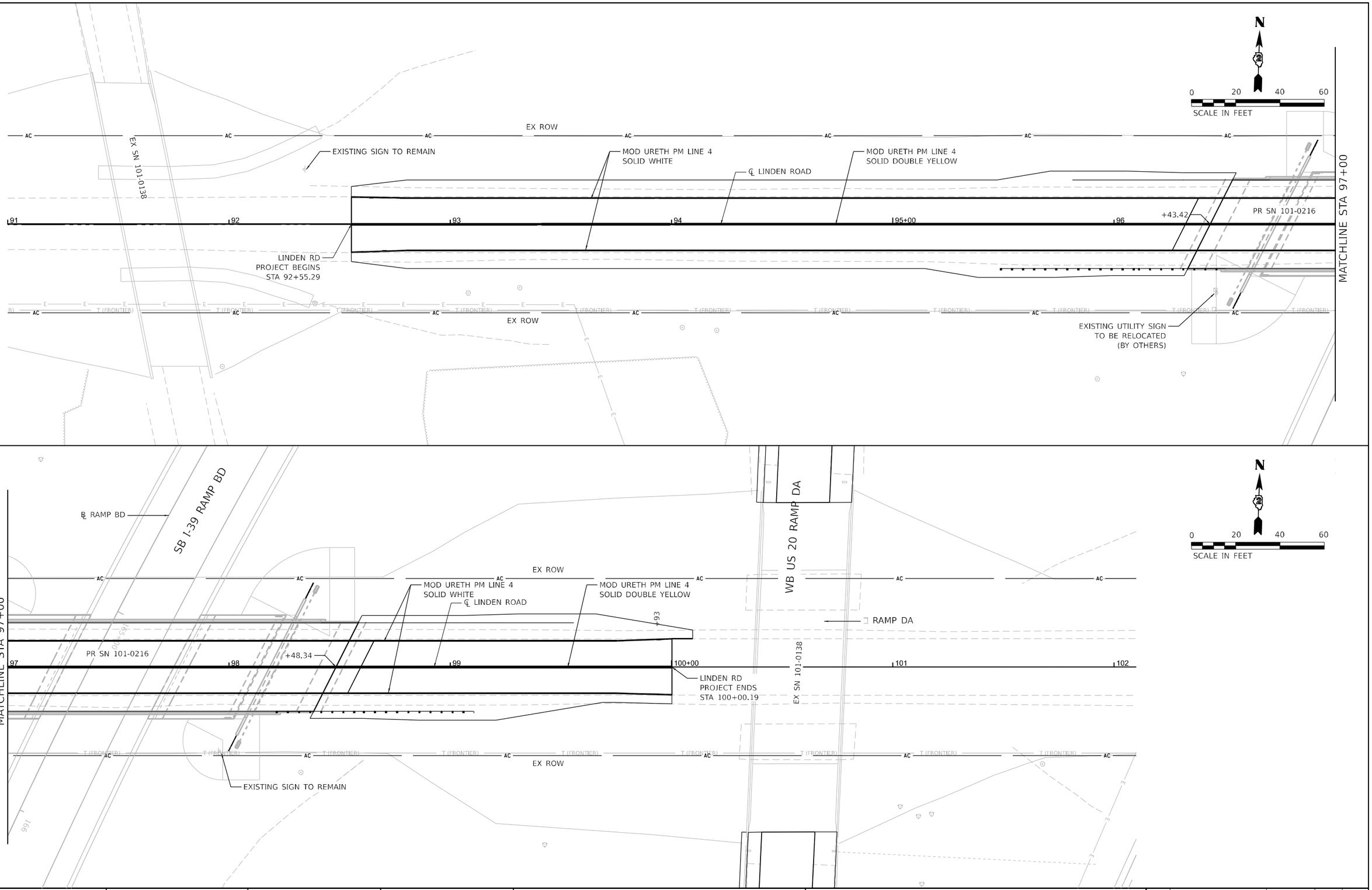
USER NAME = slemanski	DESIGNED - MW	REVISED -
	DRAWN - MW	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SYSTEM INTERCHANGE PLANS

SCALE: NONE | SHEET 26 OF 26 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	674
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



MODEL: Plan 3 [Sheet]
FILE NAME: pw://bmeresch-pw.bentley.com:bmeresch-pw-01/Documents/10800s/10800L00/Eng_Docs/CAD_Sheets/Pvmt_mkg_sign/Local Roads [WHA_//0264C62-SIN-PmtSignLinden.dgn

WILLETT HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
309 EAST 2ND STREET, DIXON, IL 61021-0767
T.S. 5286385 STATION REAL 11640000.0

USER NAME = cmorgan	DESIGNED - MS	REVISED -
	DRAWN - CMM	REVISED -
PLOT SCALE = 0.166666 ' / in.	CHECKED - GFS	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

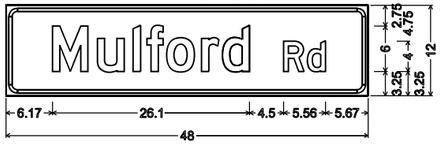
PAVEMENT MARKING AND SIGNING
LINDEN ROAD

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 91+00 TO STA. 102+10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	675
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL T1 D3-1 W/ TELES STL SIN SUPPORT
SIGN PANEL T1 D3-1 W/ TELES STL SIN SUPPORT
SIGN PANEL T1 R1-1 W/ TELES STL SIN SUPPORT
REMOVE AND RELOCATE SIGN PANEL T1 CUSTOM W/ TELES STL SIN SUPPORT
EX ROW
SHETLAND ROAD
EX ROW
REMOV SIGN PANEL T1 AND REMOV SIN PAN ASSY TB
EXISTING UTILITY SIGN TO REMAIN
EX TEMP EASEMENT
SIGN PANEL T1 W3-1 W/ TELES STL SIN SUPPORT
SIGN PANEL T1 D3-1 (Y) W/ TELES STL SIN SUPPORT
0 20 40 60
SCALE IN FEET
MOD URETH PM LINE 4 SOLID DOUBLE YELLOW
℄ MULFORD ROAD
MOD URETH PM LINE 4 SOLID WHITE
REMOV SIN PAN ASSY TA
MATCHLINE STA 47+00
MULFORD RD PROJECT BEGINS STA. 42+00.00
REMOV SIGN PANEL T1
SIGN PANEL T1 R2-1 W/ TELES STL SIN SUPPORT
EXIST. SIGN TO REMAIN (CUSTOM)
PR TEMP EASEMENT
CER +69
TWO SIGNS BACK TO BACK MOUNTED ON SIGN POST FOR MULFORD AND SHETLAND ROADS.

SIGN PANEL T1 D3-1



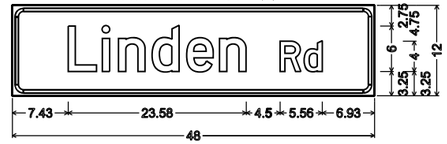
1.50" Radius, 0.44" Border, 0.38" Indent, White on Green;
"Mulford", D 2K; "Rd", D 2K;

SIGN PANEL T1 D3-1



1.50" Radius, 0.44" Border, 0.38" Indent, White on Green;
"Shetland", D 2K; "Rd", D 2K;

SIGN PANEL T1 D3-1 (Y)



1.50" Radius, 0.44" Border, 0.38" Indent, Black on Yellow;
"Linden", D 2K; "Rd", D 2K;

EX TEMP EASEMENT
EX ROW
MOD URETH PM LINE 4 SOLID DOUBLE YELLOW
MOD URETH PM LINE 4 SOLID WHITE
℄ MULFORD ROAD
MATCHLINE STA 47+00
MATCHLINE STA 53+00
0 20 40 60
SCALE IN FEET
RAISED REFL PVMT MKR
40' TYP. SPACING
REMOVE SIGN PANEL T1
SIGN PANEL T1 W4-2 W/ TELES STL SIN SUPPORT
PR SN 101-0207
NB I-39 / EB US20
WB US20
SB I-39 RAMP BD
℄ I-39
℄ RAMP BD
EX ROW
EX TEMP EASEMENT

MODEL: Plan 1 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108000/108000.00/Eng_Docs/CAD_Sheets/Pvmt_mkg_sign/Local Roads [WHA]/D264C02-Sht-Pvmt_SignMulford.dgn

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
109 EAST 2ND STREET, UNION, IL 61091-9367
T.P. 5286-5581 STRUCTURAL FIRM: 184.000918

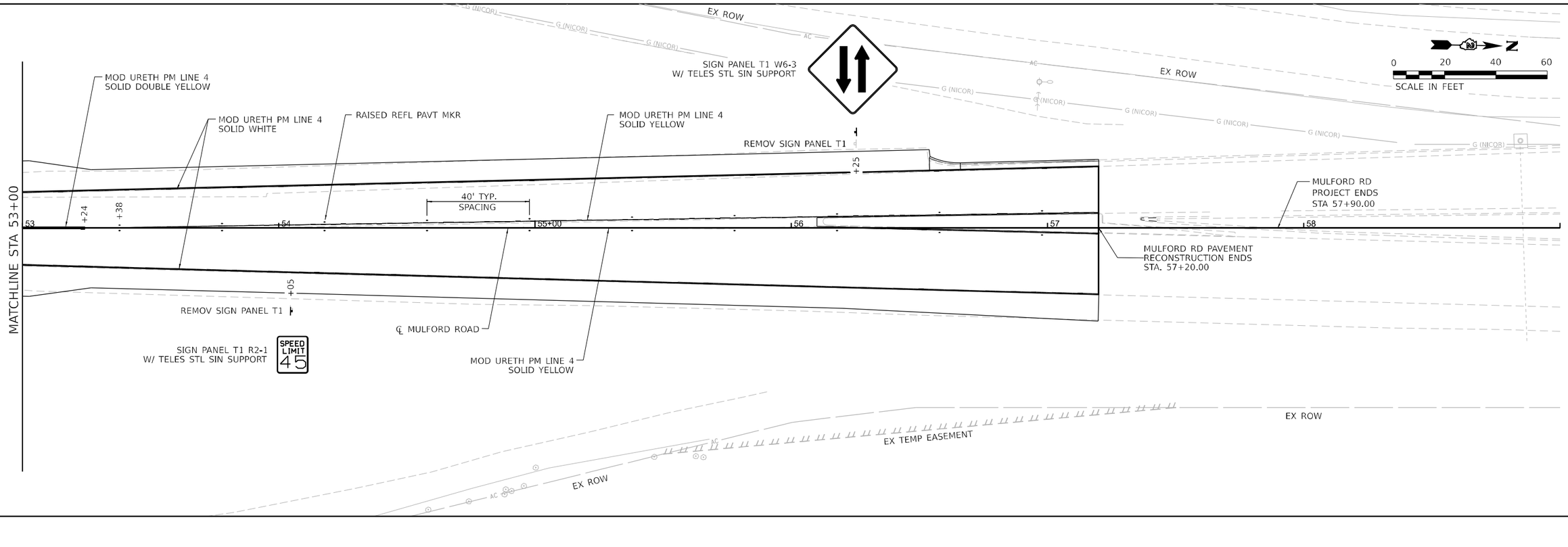
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	DRAWN - MS	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - GFS	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
MULFORD ROAD

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 41+00 | TO STA. 53+00

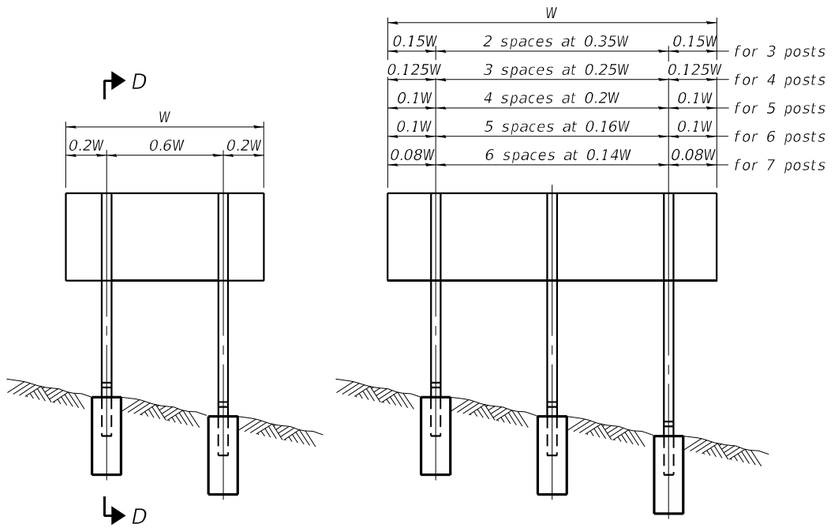
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	676
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



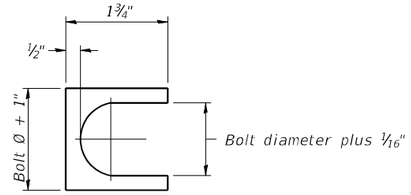
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FILE NAME: pw://bsnesch-pw.bentley.com:bsnesch-pw-01/Documents/10800/10800.00/Eng_Docs/CAD_Sheets/Pvmt_mtl'g_sign/Local Roads [WHA]/D264C02-Sht-PvmSignMulford.dgn

WILLETT HOFMANN & ASSOCIATES, INC. ENGINEERING · ARCHITECTURE · LAND SURVEYING 109 EAST 2ND STREET, UNION, IL 61091-9367 T.P. 5286-1581 STRUCTURAL FIRM: 184.000918	USER NAME = cmorgan	DESIGNED - MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING MULFORD ROAD
		DRAWN - MS	REVISED -		
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - GFS	REVISED -		SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 53+00 TO STA. 59+00
	PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	677
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

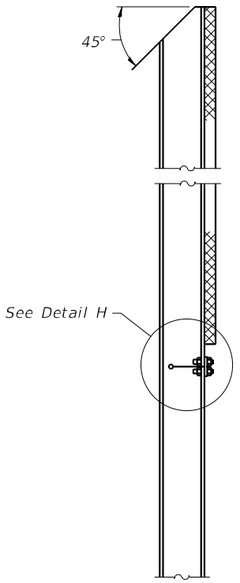


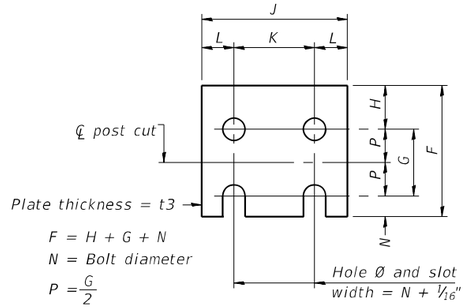
ELEVATION



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

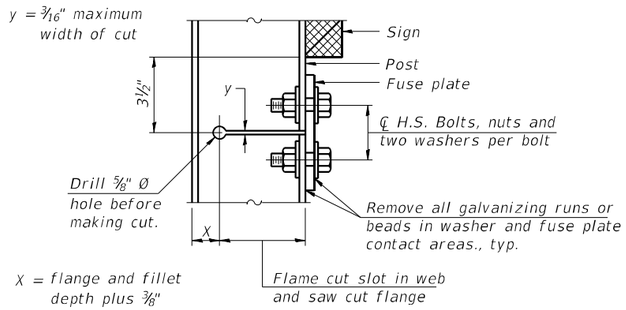




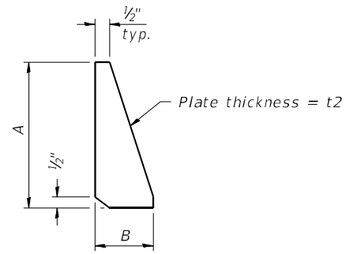
FUSE PLATE DATA		
N = Bolt Diameter	G	H
½"	2"	1⅛"
⅝"	2¼"	1¼"
¾"	2½"	1⅜"
⅞"	2¾"	1½"
1"	3"	1⅝"
1⅛"	3¼"	1¾"
1¼"	3½"	1⅞"

FUSE PLATE DETAIL

(Install with notches down.)

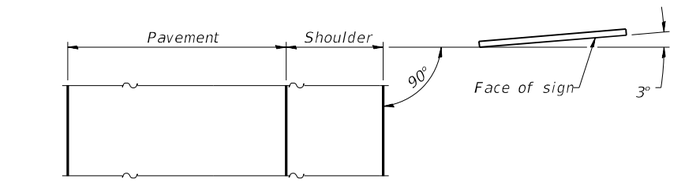


DETAIL H

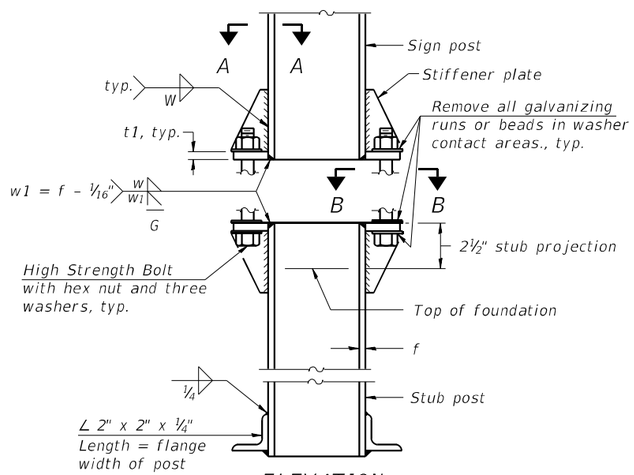


STIFFENER PLATE DETAIL

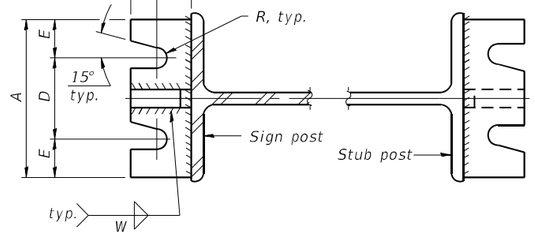
Diameter



LOCATION SKETCH

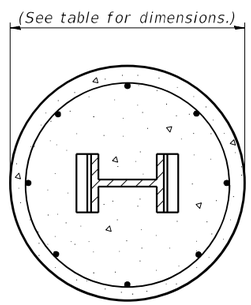


ELEVATION
SIGN POST & STUB POST

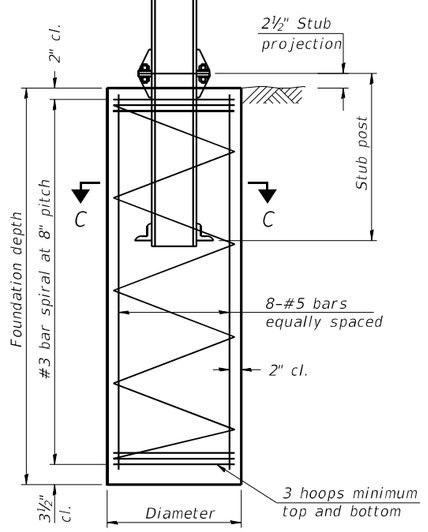


SECTION A-A

SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1 2-17-2017

(Sheet 1 of 2)

QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -
D264B13-SHT-018-BAW Sign Post	CHECKED - KWB	REVISED -
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

SHEET 1 OF 2 SHEETS

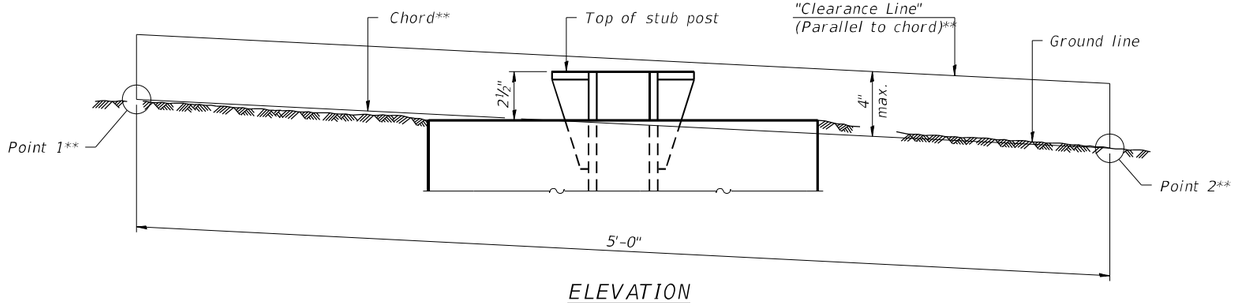
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	678
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10800s\10800.00\Erig_Docs\CAD_Sheets\Sign Structures [Quigg]\D264B13-SHT-018-BAW Sign Post
3/30/2023 7:58:19 AM

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post														
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L	t3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	4"	2¼"	⅞"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	5¾"	2¾"	1½"	⅝"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6½"	3½"	1½"	⅝"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	6¾"	3½"	1⅝"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE — Sign Height																			
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——	——
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——	——	——	——	——
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——	——
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"
W16x45	——	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

QUIGG ENGINEERING INC

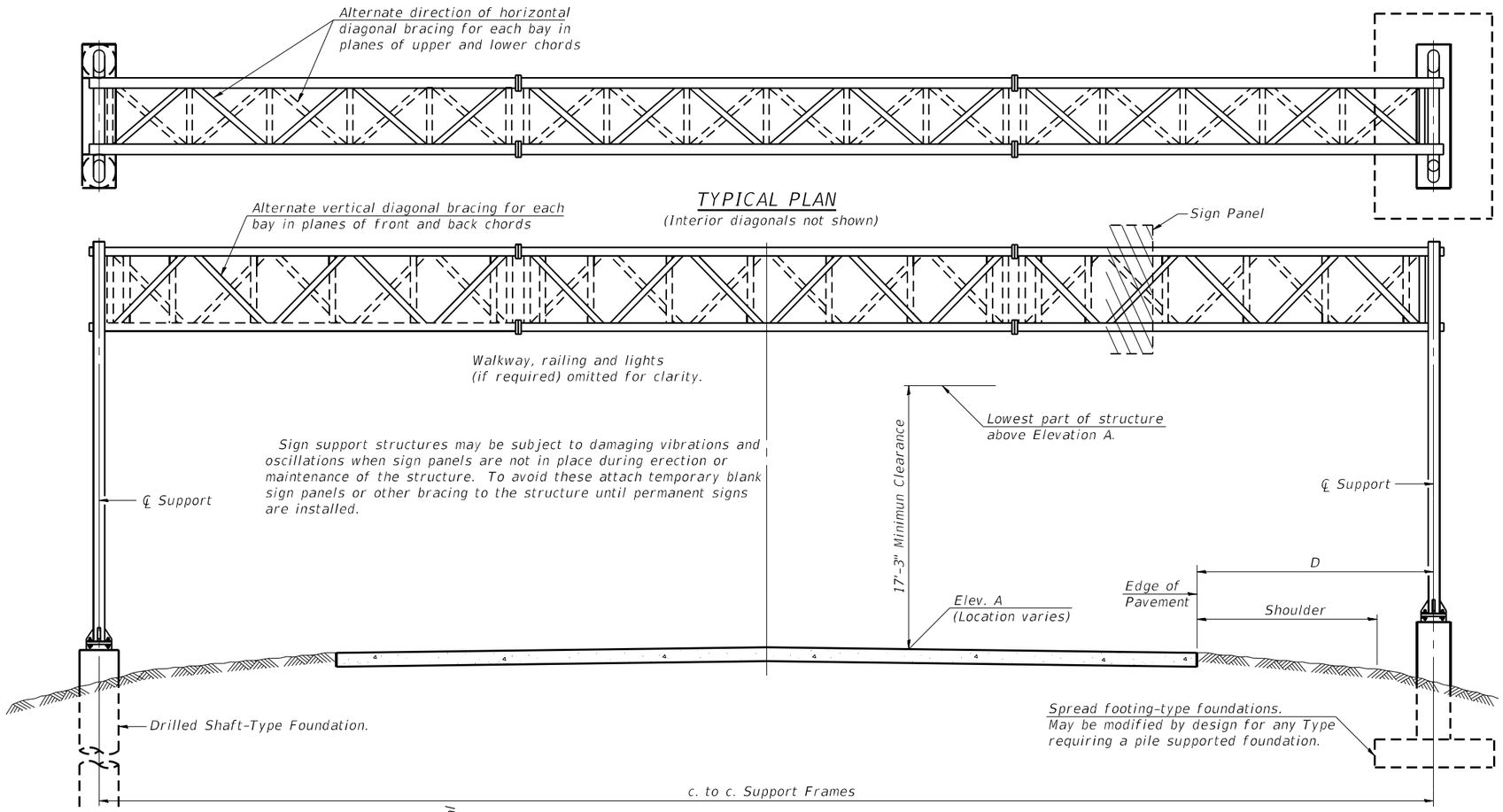
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PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES
SHEET 2 OF 2 SHEETS

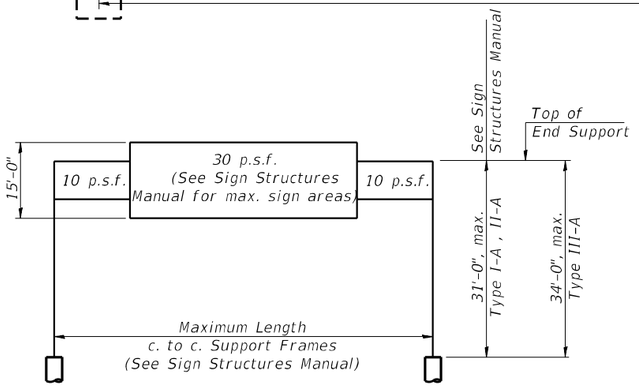
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		ILLINOIS	FED. AID PROJECT	

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3/30/2023 7:58:27 AM



TYPICAL PLAN

(Interior diagonals not shown)



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
2S1011039R117.4	282+20	II-A	110'-0"	851.78	36'-2"	14'-6"	464.00 SF
2S1011039R118.4	335+00	II-A	120'-0"	828.52	34'-0"	15'-0"	518.50 SF
2S1011039R119.5	2603+00	III-A	120'-0"	806.70	45'-6"	19'-0"	948.25 SF

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	230
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	120
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	125
CONCRETE FOUNDATIONS	Cu. Yds	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds	85.1

OS-A-1 2-17-2017

QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	
D264B13-SHT-001-GPE_SignStructures	CHECKED - KWB	REVISED -	
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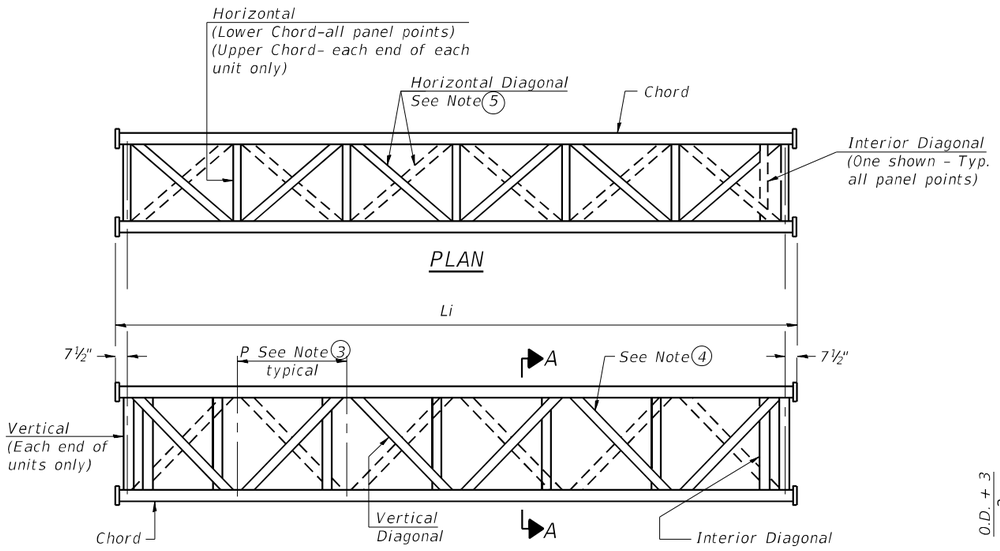
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES – GENERAL PLAN & ELEVATION – ALUMINUM TRUSS & STEEL SUPPORTS

SHEET 1 OF 17 SHEETS

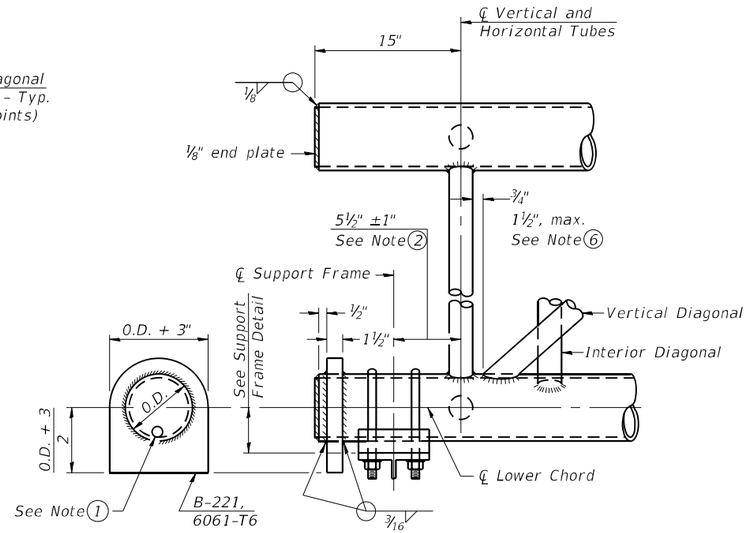
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	ILLINOIS	FED. AID PROJECT		

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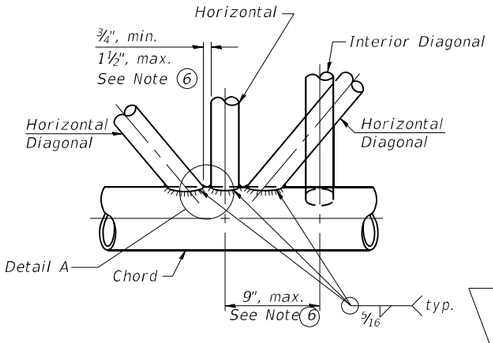


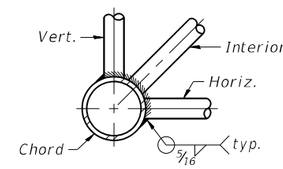
ELEVATION
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

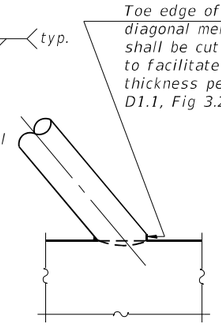


SUPPORT END DETAIL FOR EXTERIOR UNIT

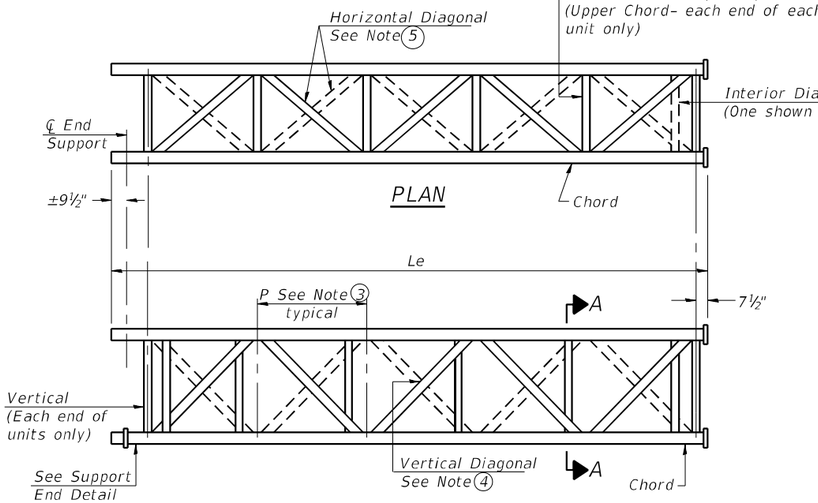




TYPICAL JOINT DETAILS

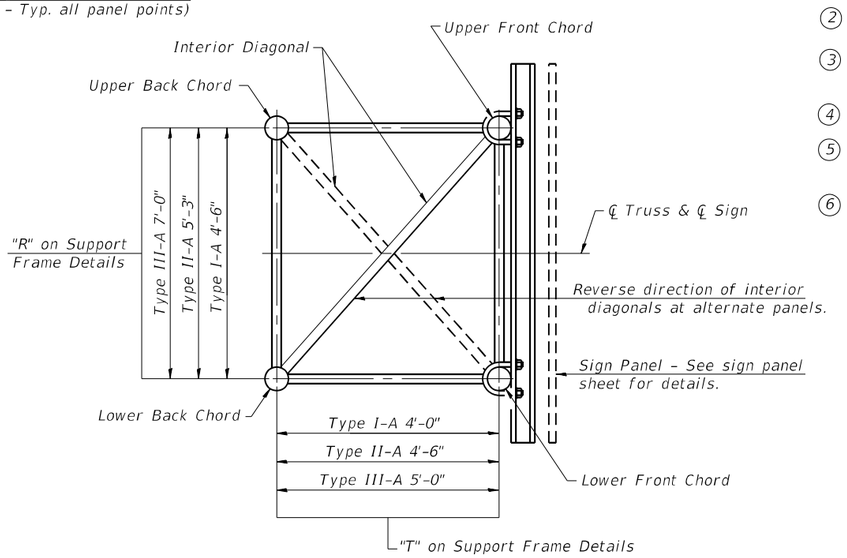


DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
2. 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).
3. Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
4. Vertical Diagonals in front and back face shall alternate.
5. Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
6. All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

0S-A-2 2-17-2017

QUIGG ENGINEERING INC

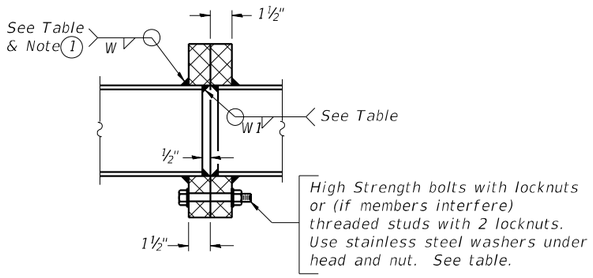
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PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		SHEET 2 OF 17 SHEETS	

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		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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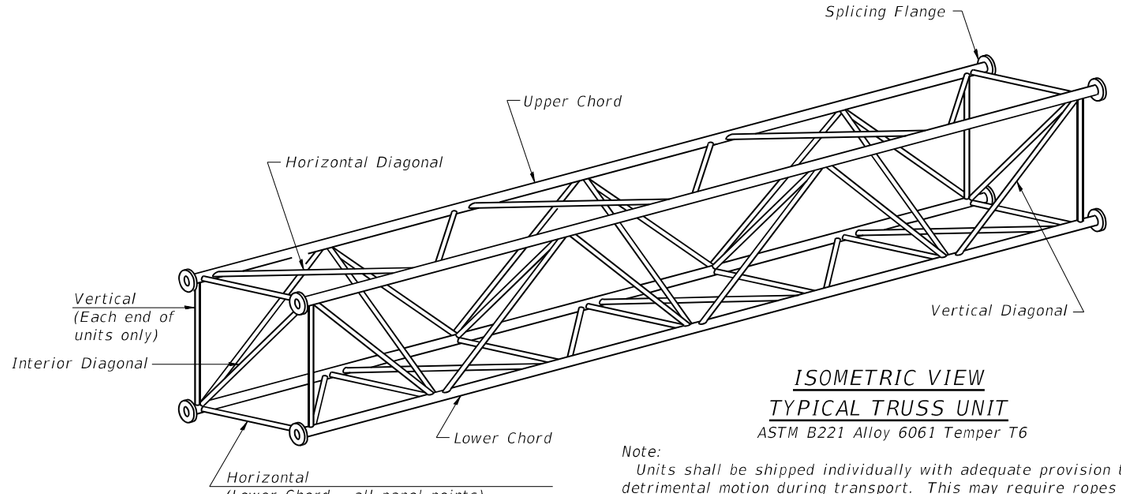
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical,Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(Le)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(Li)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W1		
2S101I039R117.4	282+20	II-A	7	39'-2½"	5'-4"	1	6	33'-3"	5'-4"	6½"	5/16"	3"	5/16"	3⅝"	6	1"	⅜"	¼"	11"	14½"
2S101I039R118.4	335+00	II-A	6	30'-9"	4'-9¾"	2	6	30'-1½"	4'-9¾"	7"	5/16"	3"	5/16"	4¼"	6	1"	⅜"	¼"	11½"	15"
2S101I039R119.5	2603+00	III-A	6	30'-9"	4'-9¾"	2	6	30'-1½"	4'-9¾"	7"	⅜"	3¼"	5/16"	3¼"	8	1"	9/16"	7/16"	11½"	15"



SECTION B-B

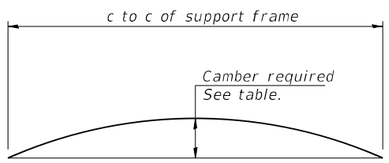
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

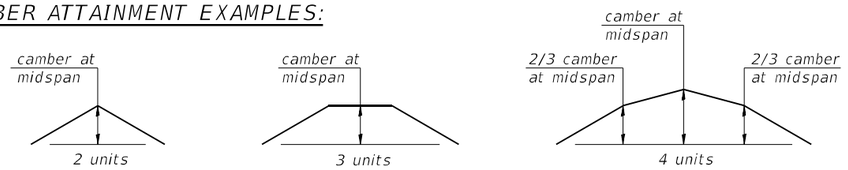
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



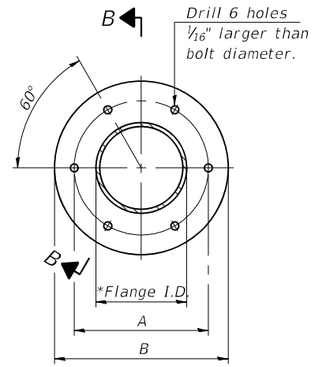
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

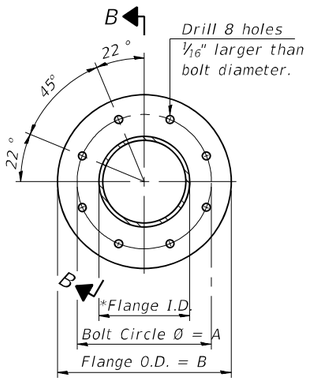
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



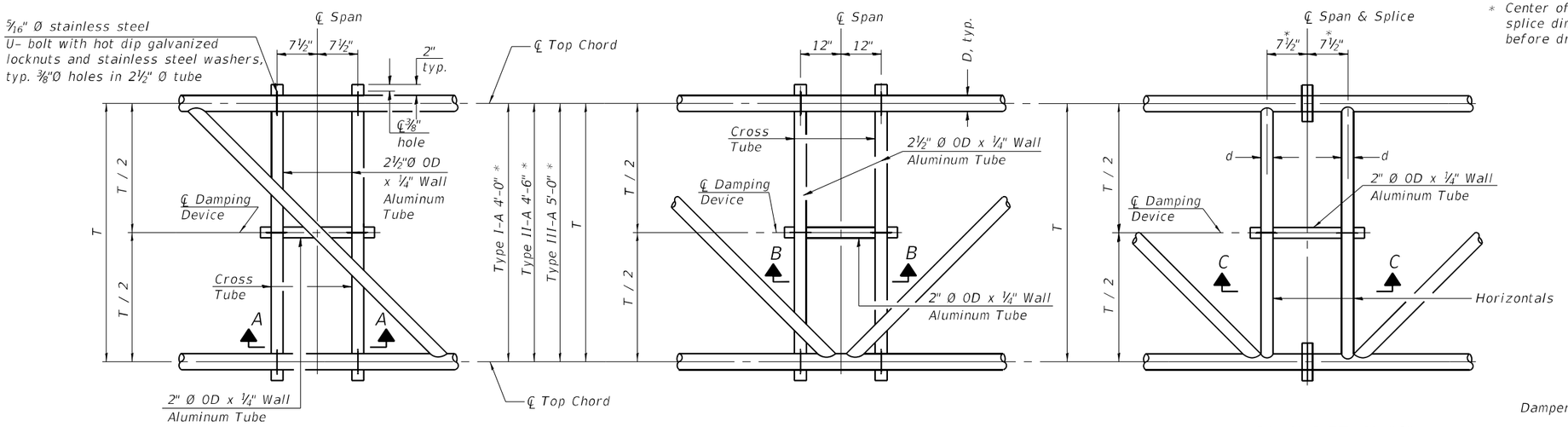
TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".



* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

PLAN DETAIL "B"
℄ Span at Panel Point

PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

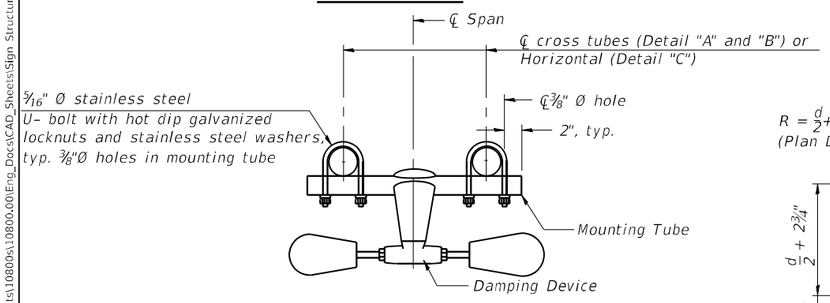
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



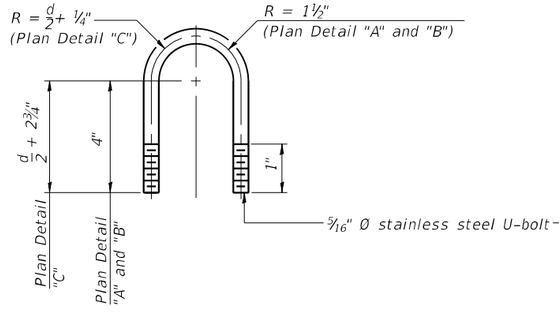
SECTION A-A

SECTION B-B

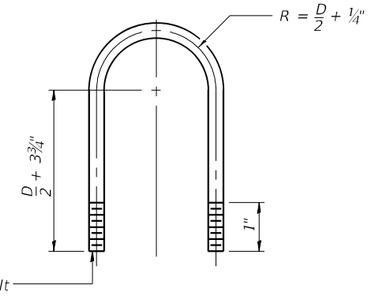
SECTION C-C



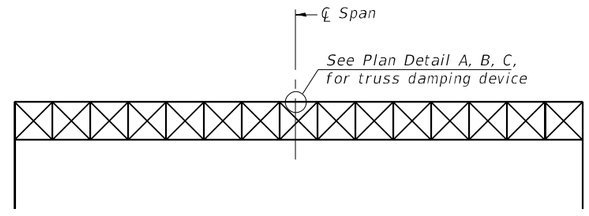
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")



ELEVATION
Aluminum Overhead Sign Truss

OS-A-D 2-17-2017

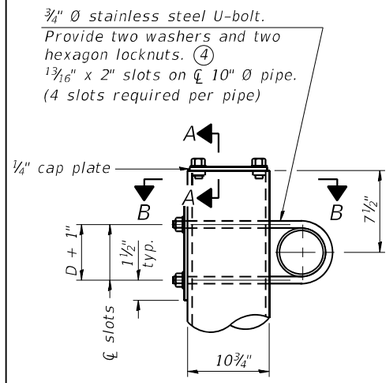
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

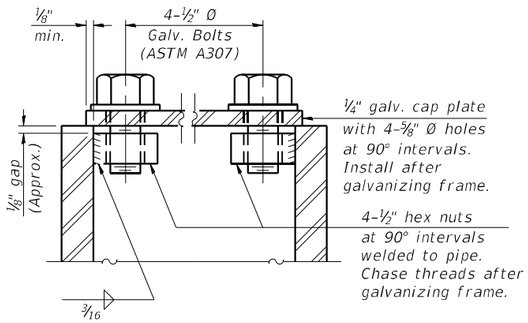
OVERHEAD SIGN STRUCTURE
DAMPING DEVICE
SHEET 4 OF 17 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	683
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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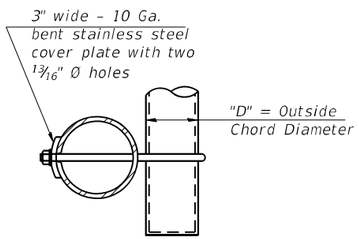


DETAIL A

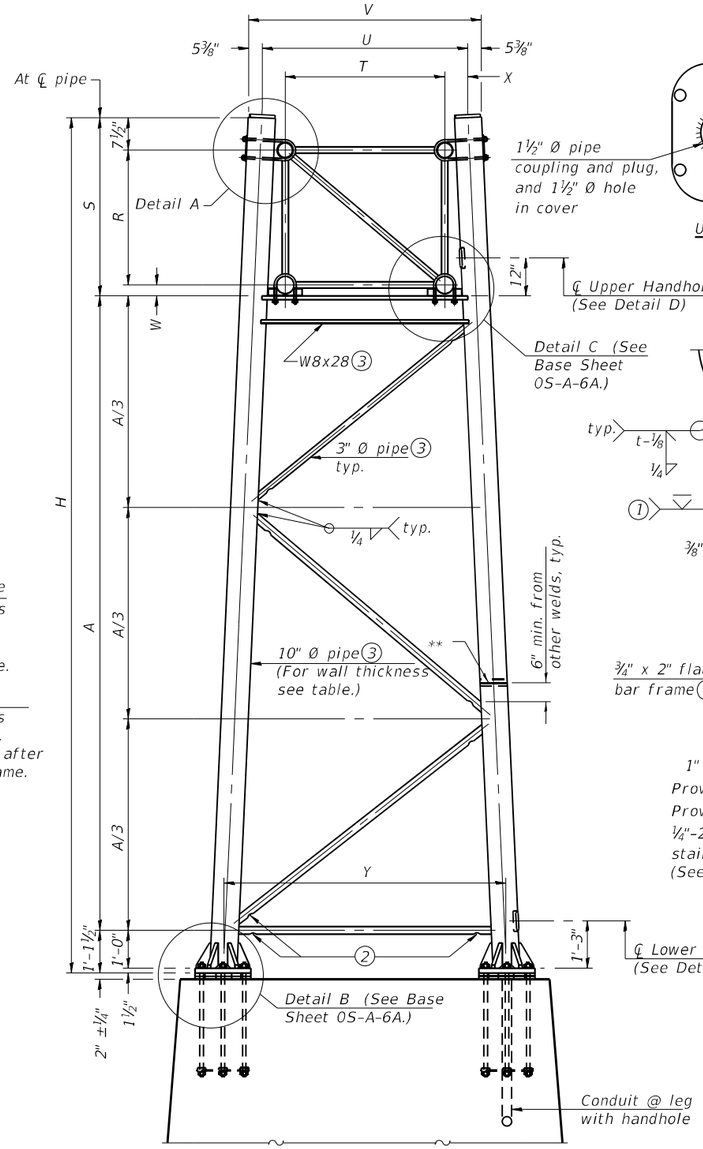


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

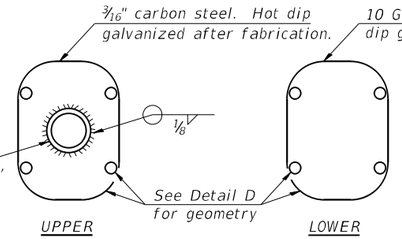


SECTION B-B

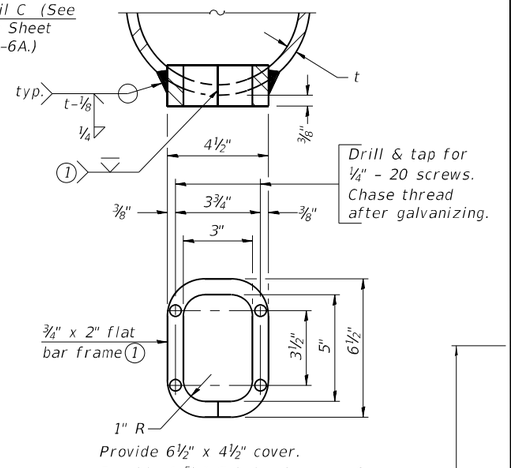


For Foundation Details, see base sheet 0S-F3 (Spread Footing) or 0S4-F3 (Drilled Shaft).

SIDE ELEVATION

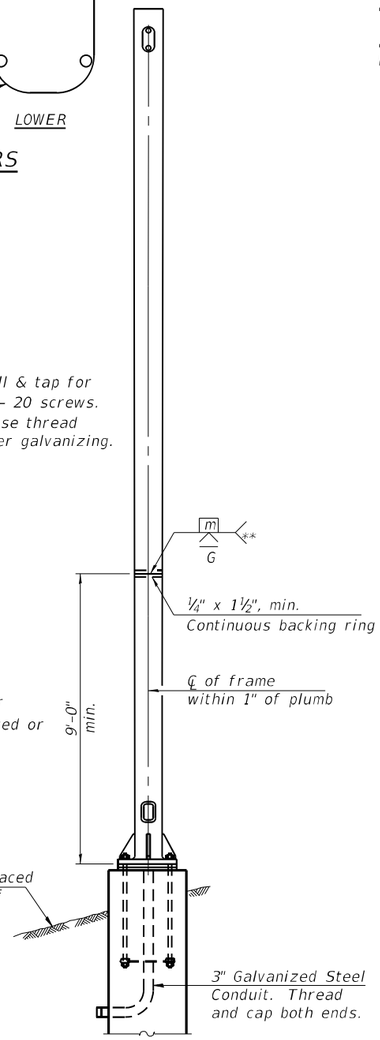


HANDHOLE COVERS



Provide 6½" x 4½" cover.
Provide 4-5/16" Ø holes in cover for ¼"-20 round head hot dip galvanized or stainless steel machine screws. (See cover details)

DETAIL D



END ELEVATION

Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria.

Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

(1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.

(2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

(3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 0S-A-1.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
2S101I039R117.4	282+20	X		II-A	0.365"	30'-10"	23'-5¼"
			X	II-A	0.365"	30'-0"	22'-7¼"
2S101I039R118.4	335+00	X		II-A	0.500"	33'-2"	25'-9¼"
			X	II-A	0.365"	28'-6"	21'-1¼"

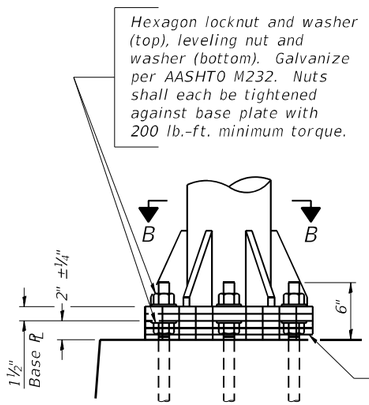
0S-A-6 2-17-2017

QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES SUPPORT FRAME FOR ALUMINUM TRUSS	
D264B13-SHT-005-10inSupportFrame	CHECKED - KWB	REVISED -			
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -			
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		SHEET 5 OF 17 SHEETS	

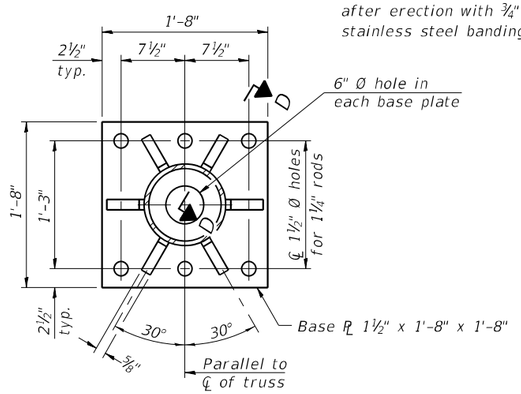
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	684
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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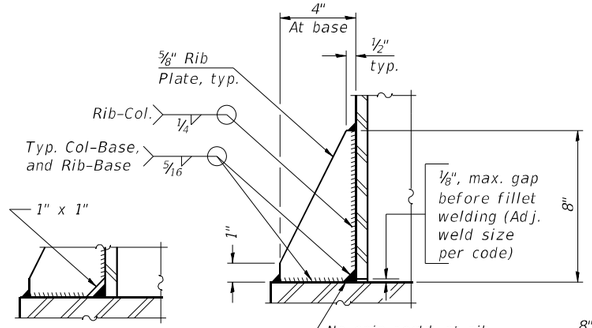


DETAIL B

Ribs shall be cut to fit slope of pipe.

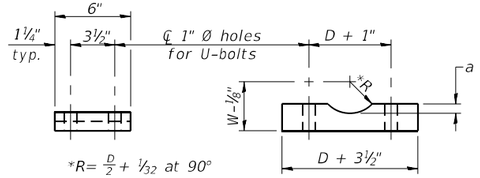


SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

SECTION D-D



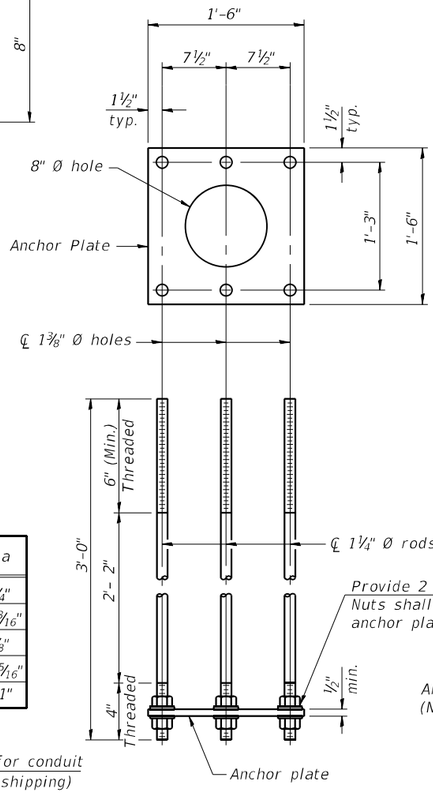
*R= $\frac{D}{2}$ + 1/32 at 90°

D = Outside Diameter of Chord. For W, see Base Sheet 0S-A-6.

SADDLE SHIM DETAIL

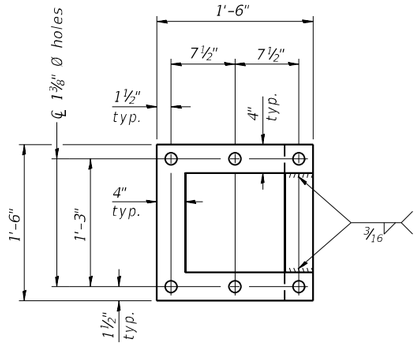
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	¾"
5½"	13/16"
6"	⅞"
6½"	15/16"
7"	1"

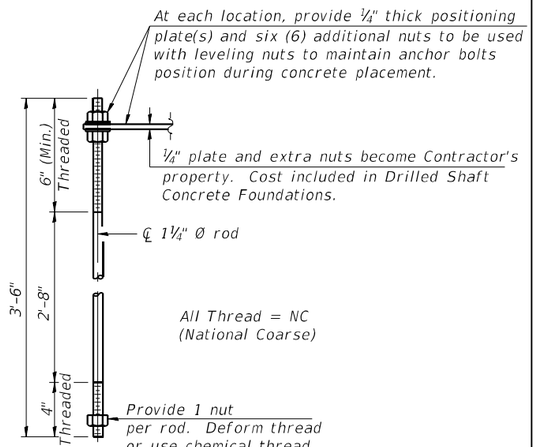


ANCHOR ROD DETAIL

Spread Footing Foundation



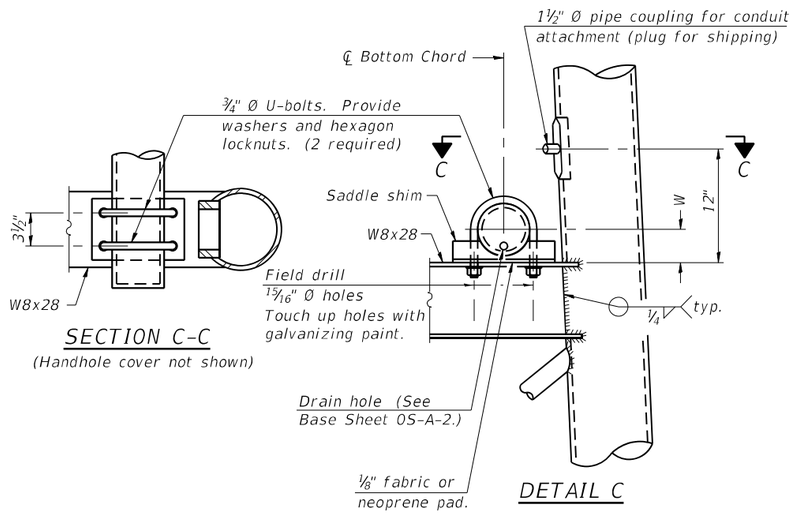
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

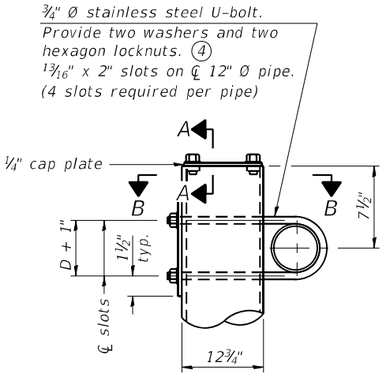
0S-A-6A 2-17-2017

QUIGG ENGINEERING INC

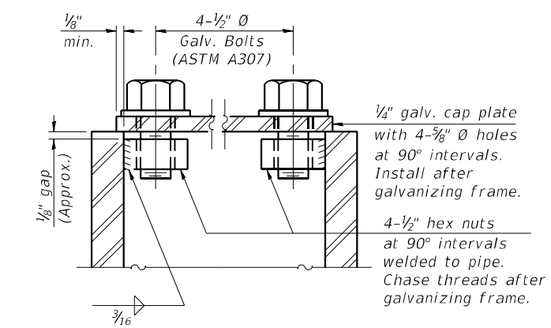
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D264B13-SHT-006-10inSupportFrameDetails	CHECKED - KWB	REVISED -		SHEET 6 OF 17 SHEETS
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -		
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	685
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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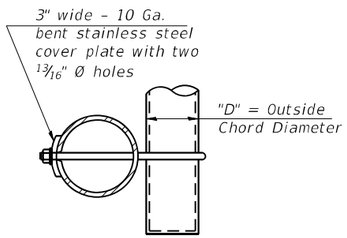


DETAIL A

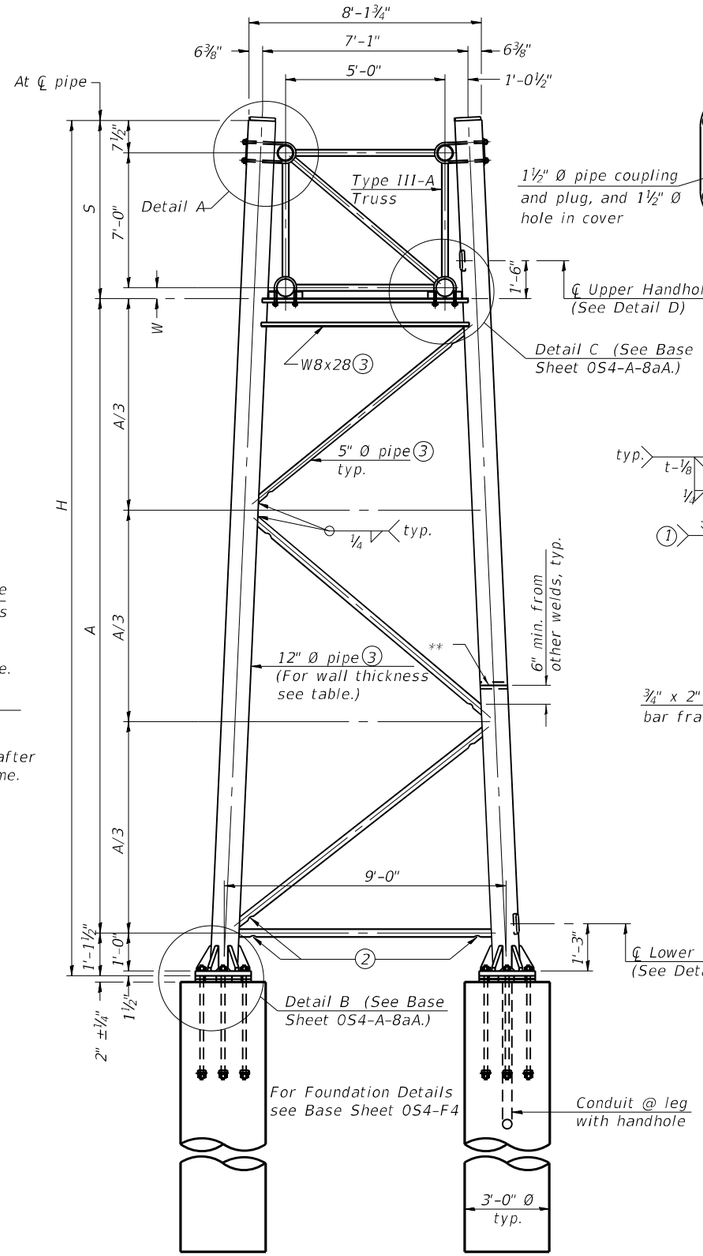


SECTION A-A

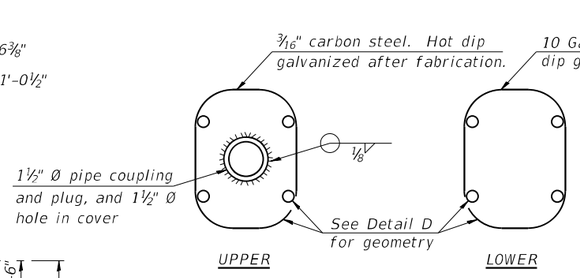
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



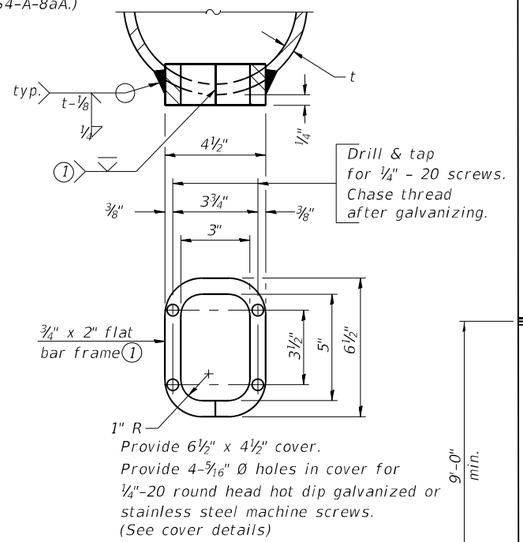
SECTION B-B



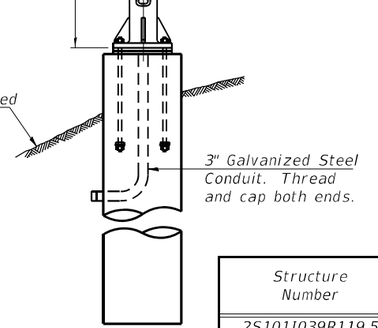
SIDE ELEVATION



HANDHOLE COVERS



DETAIL D



END ELEVATION

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4¾"	8'-0¼"
8½"	5½"	8'-1"
9"	5¾"	8'-1¼"

TRUSS SUPPORT DETAILS

(12" Ø Pipe-Type III-A Truss

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria.

Load combinations checked include deadload plus:

a) 100% wind normal to sign, 20% parallel to sign

b) 60% wind normal to sign, 30% parallel to sign

(1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.

(2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

(3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 0S-A-1.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Structure Number	Station	Support		Pipe Wall Thickness	H (6)	A
		Left	Right			
2S101I039R119.5	2603+00	X		0.33"	29'-5"	20'-3¼"
			X	0.33"	27'-11"	18'-9¼"

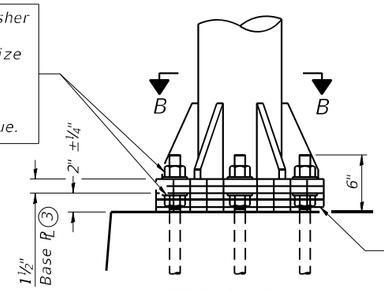
0S4-A-8a 2-17-2017

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	D264B13-SHT-007-12inSupportFrame	CHECKED - KWB	REVISED -	OVERHEAD SIGN STRUCTURES – SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS
	PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -	SHEET 7 OF 17 SHEETS
	PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	686
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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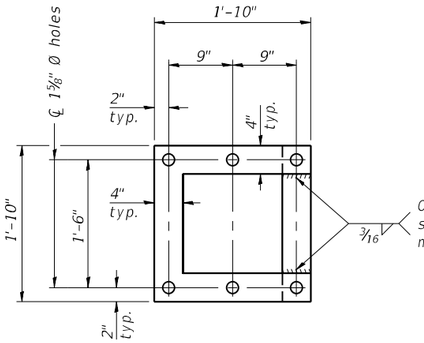
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



Stainless Steel Standard Grade Wire Cloth, 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

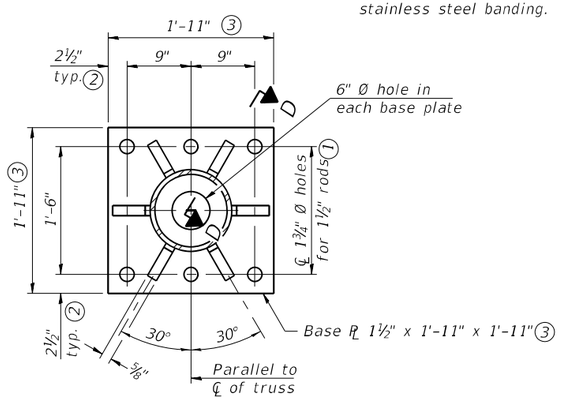
DETAIL B

Ribs shall be cut to fit slope of pipe.

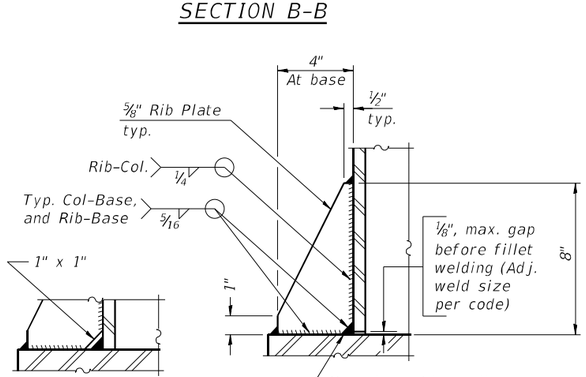


Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

POSITIONING PLATE(S)

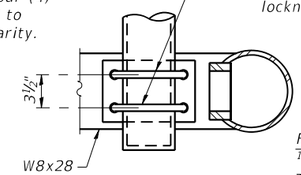


SECTION B-B



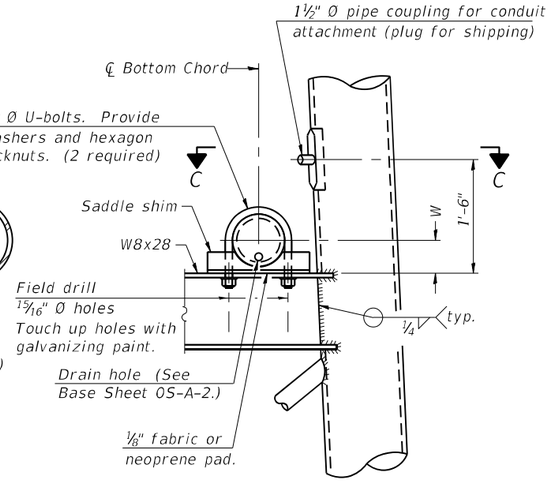
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

SECTION D-D



SECTION C-C

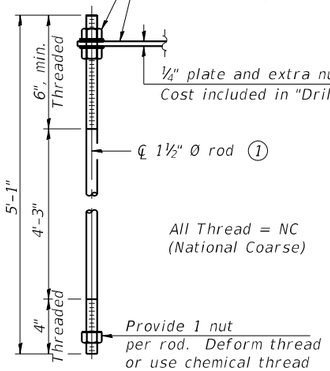
(Handhole cover not shown)



DETAIL C

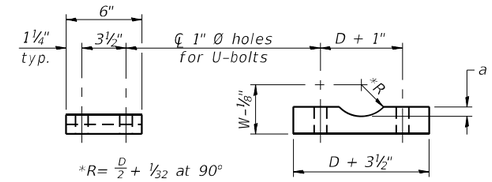
At each location, provide ¼" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

¼" plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundation".



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



*R= $\frac{D}{2}$ + 1/32 at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

Truss Chord Nominal Dia.	a
7"	1"
8½"	1¼"
9"	1⅜"

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

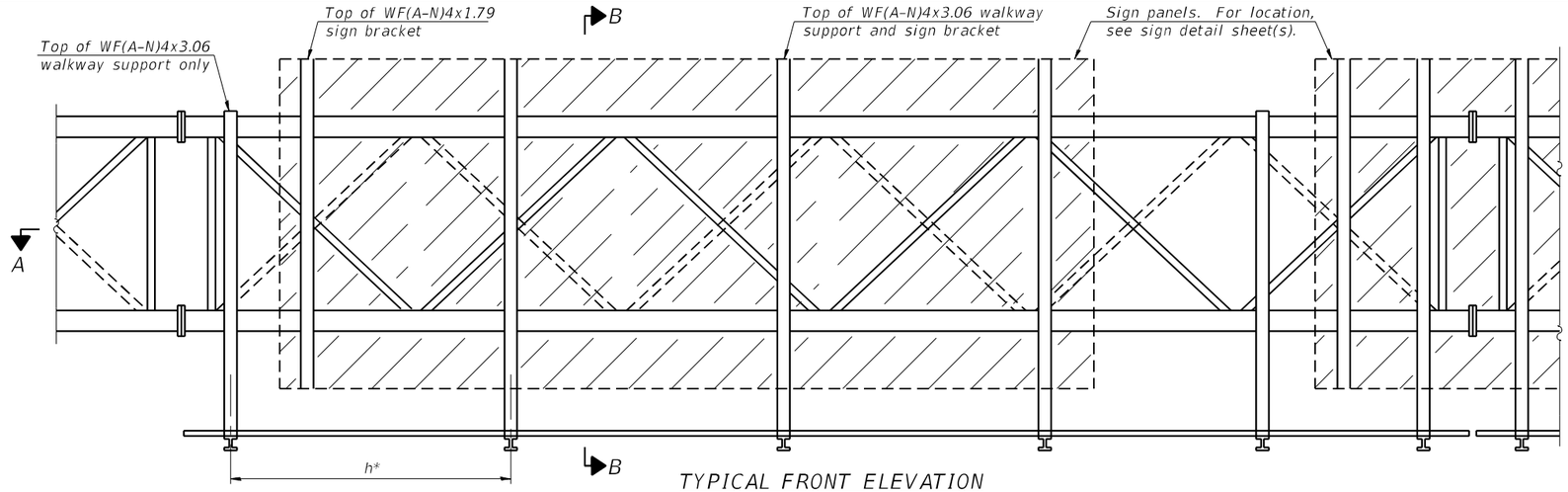
TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

① 1¾" Ø rod, 2" Ø holes

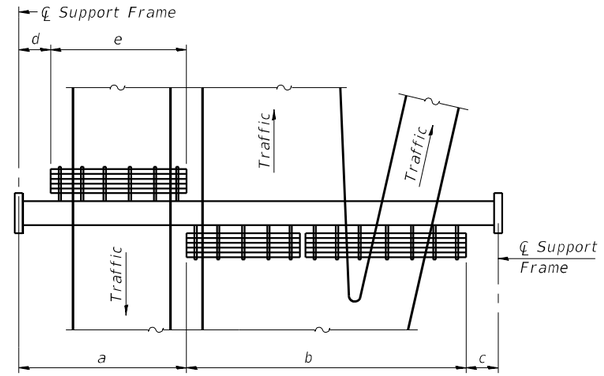
② 2¾" edge distance

③ Base PL 1⅝" x 1'-11½" x 1'-11½"



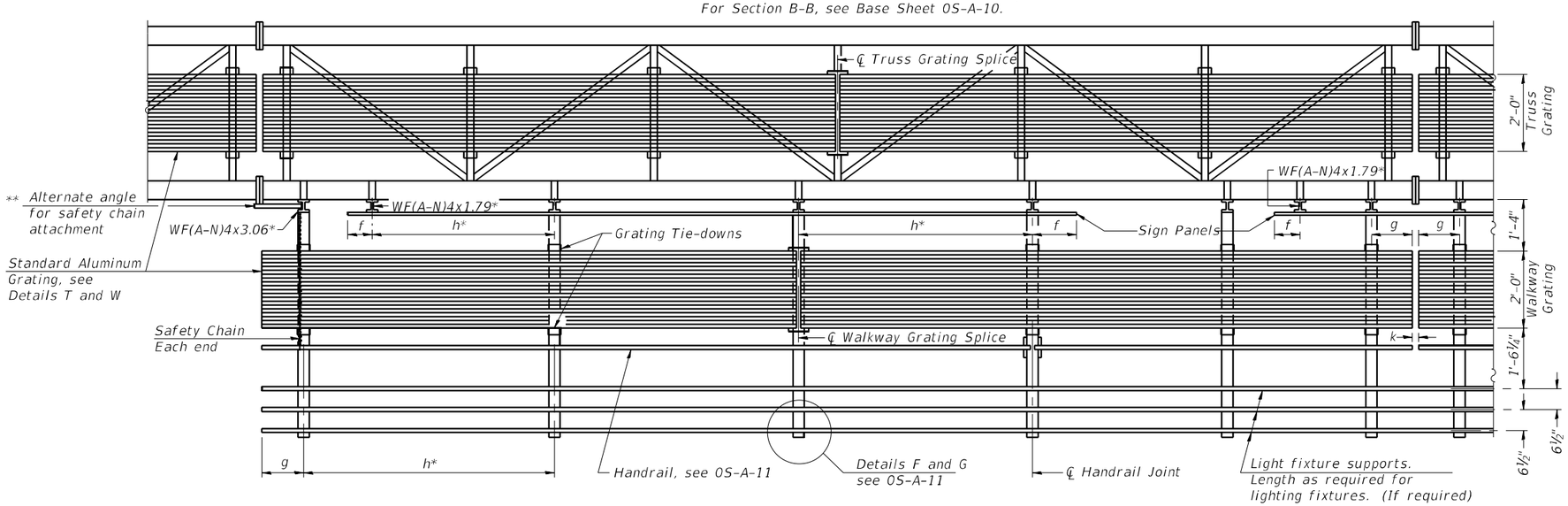
TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet 0S-A-10.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:

* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet 0S-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet 0S-A-10.
For Handrail Details see Base Sheet 0S-A-11.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
2S101I039R117.4	282+20	39'-10"	28'-0"	42'-2"	-	-	28'-0"
2S101I039R118.4	335+00	40'-0"	40'-0"	40'-0"	-	-	40'-0"
2S101I039R119.5	2603+00	9'-6"	57'-0"	53'-6"	-	-	57'-0"

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

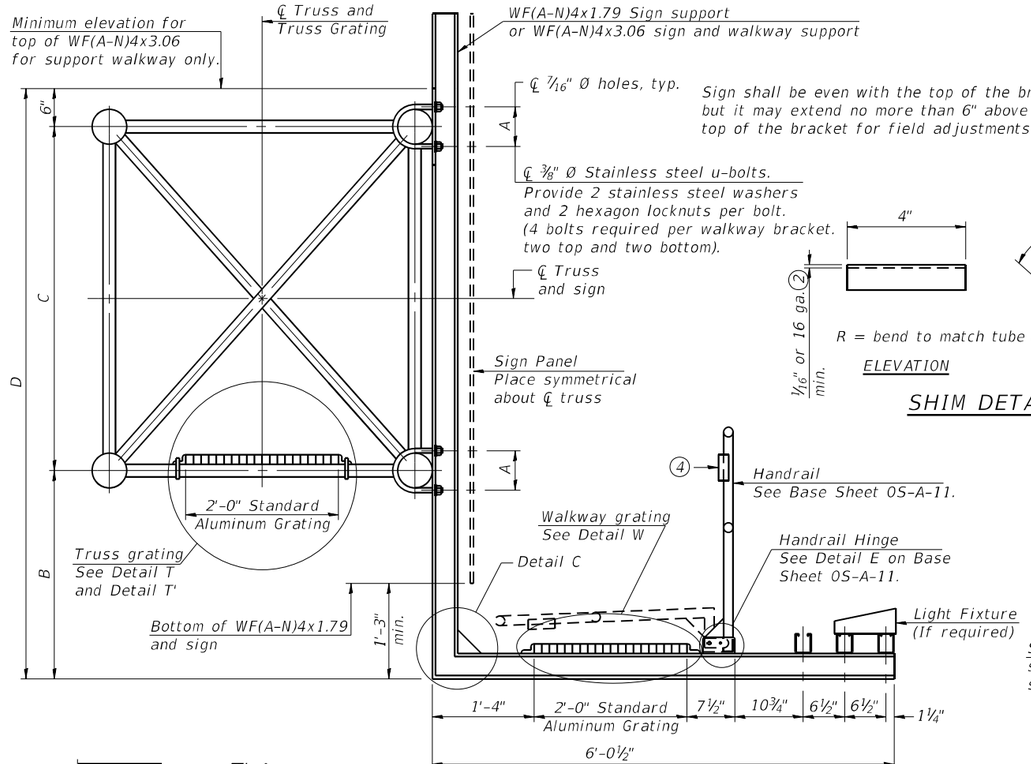
Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

QUIGG ENGINEERING INC

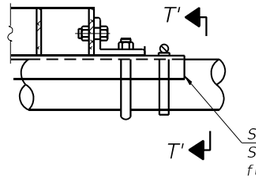
USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES ALUMINUM WALKWAY DETAILS	
D264B13-SHT-009-AlumWalkwayDetails	CHECKED - KWB	REVISED -			
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -			
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		SHEET 9 OF 17 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	688
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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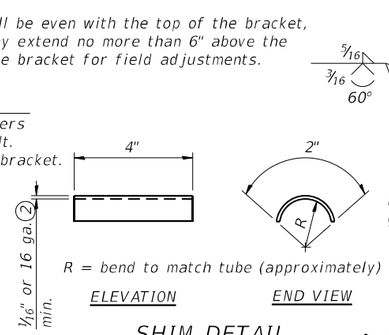
SECTION B-B



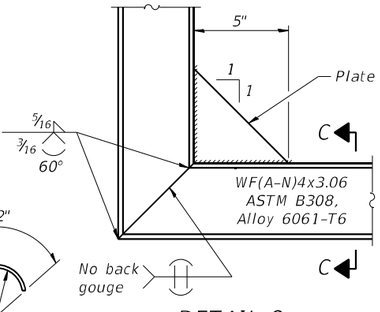
DETAIL T'

(Truss grating splice)

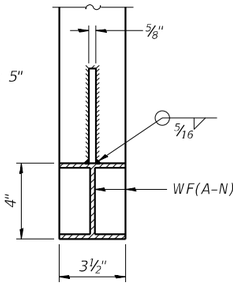
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



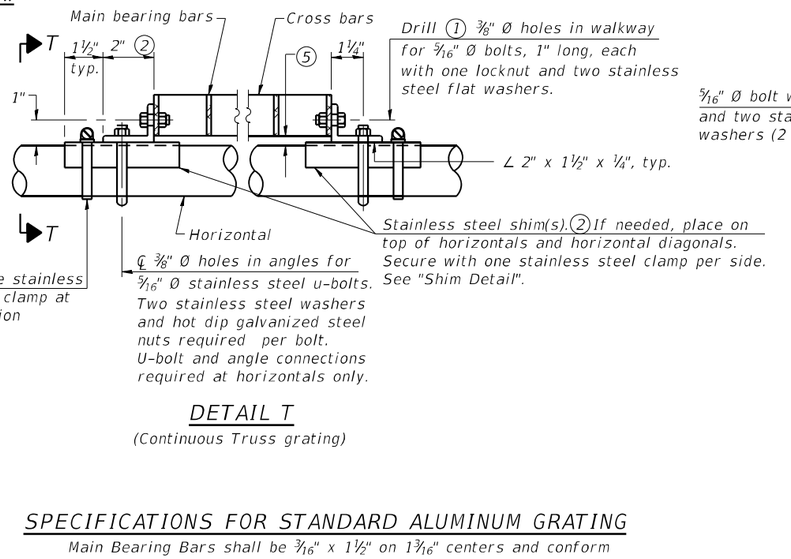
SHIM DETAIL



DETAIL C

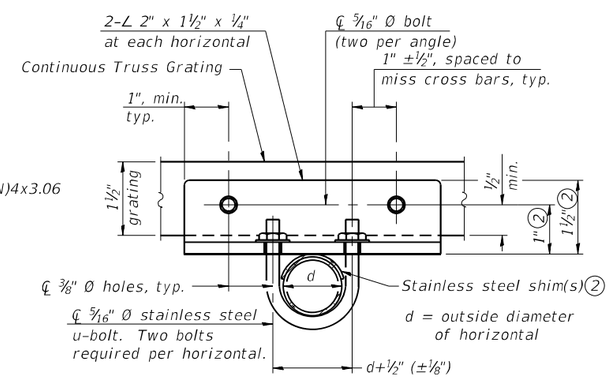


SECTION C-C

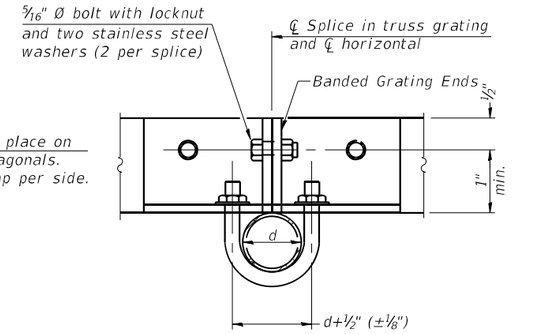


DETAIL T

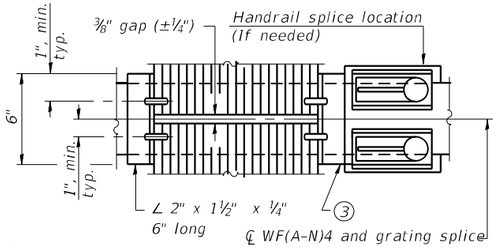
(Continuous Truss grating)



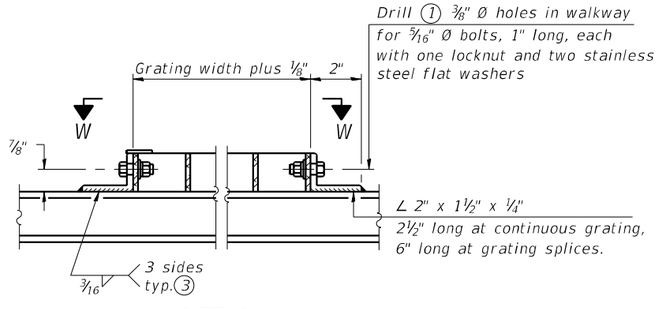
SECTION T-T



SECTION T'-T'

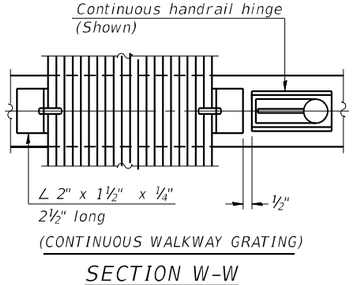


(AT WALKWAY GRATING SPLICE)



DETAIL W

(Walkway grating)



(CONTINUOUS WALKWAY GRATING)

SECTION W-W

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.

Cross bars shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	⑥ B	C	⑥ D
2S1011039R117.4	282+20	7"	5'-11"	5'-3"	11'-8"
2S1011039R118.4	335+00	7½"	6'-2"	5'-3"	11'-11"
2S1011039R119.5	2603+00	7½"	7'-3"	7'-0"	14'-9"

① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

③ If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet 0S-A-11.)

④ PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

⑤ Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

⑥ Based on actual height of tallest sign given on 0S-A-1.

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10800s\10800s\00\Eng_Docs\CAD_Sheets\Sign Structures [Quigg]\D264B13-SHT-010-AlumWalkwayDetails
3/30/2023 7:52:54 AM

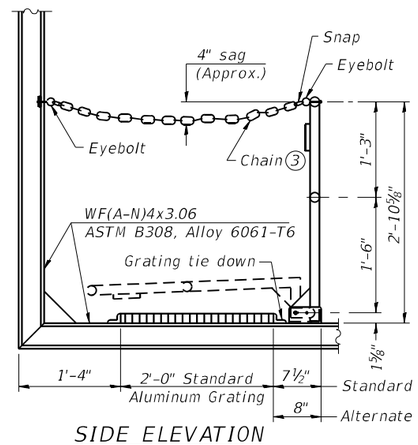
QUIGG ENGINEERING INC

USER NAME = zdavidson		DESIGNED - ZLD		REVISED -	
D264B13-SHT-010-AlumWalkwayDetails		CHECKED - KWB		REVISED -	
PLOT SCALE = 0.1667 ' / in.		DRAWN - ZLD		REVISED -	
PLOT DATE = 03/31/2023		CHECKED - MDC		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

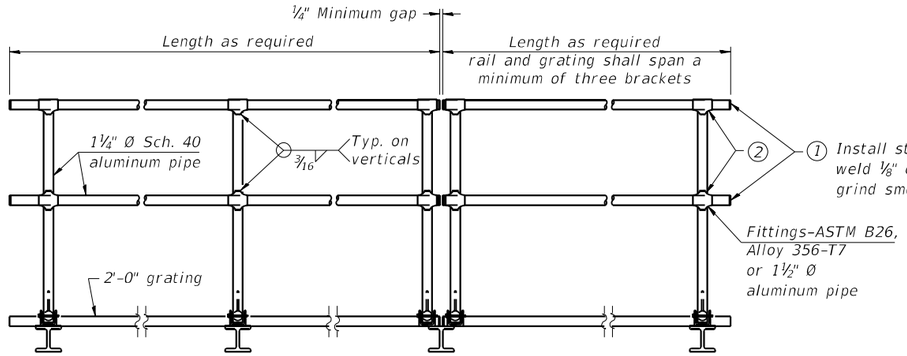
OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
SHEET 10 OF 17 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	689
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



SIDE ELEVATION

(Showing safety chain w/o sign)



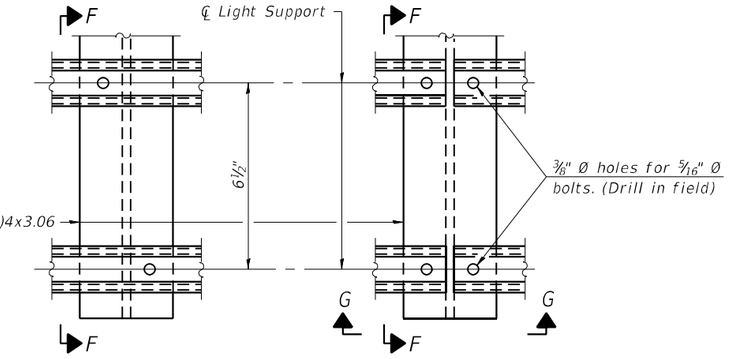
FRONT ELEVATION

HANDRAIL DETAILS

Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

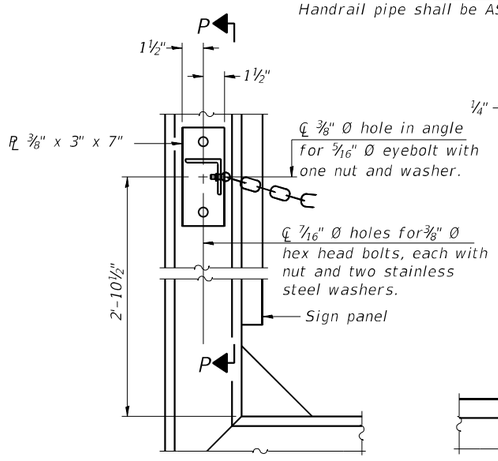
① Install standard force-fit end caps or weld ⅛" end plates with ⅛" c.f.w. and grind smooth. (All rail ends)

② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" Ø hole in fitting for ⅜" Ø bolt. Field drill 7/16" Ø hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16"Ø holes on top rail at ends only.)



DETAIL F

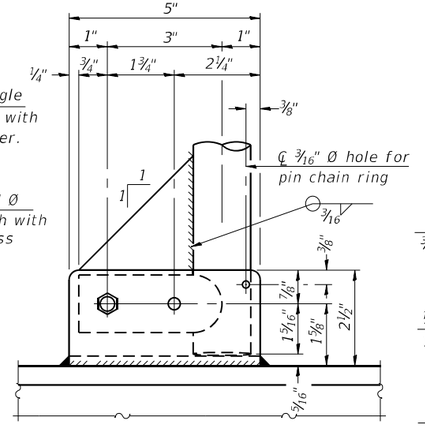
DETAIL G



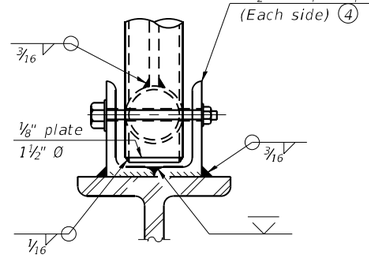
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"

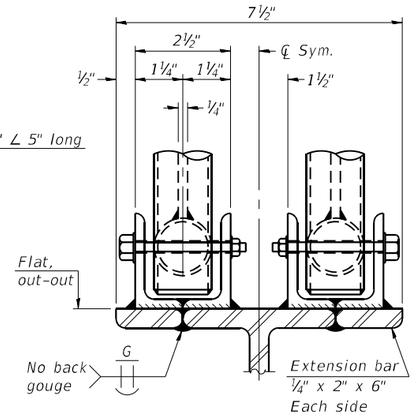


SIDE ELEVATION

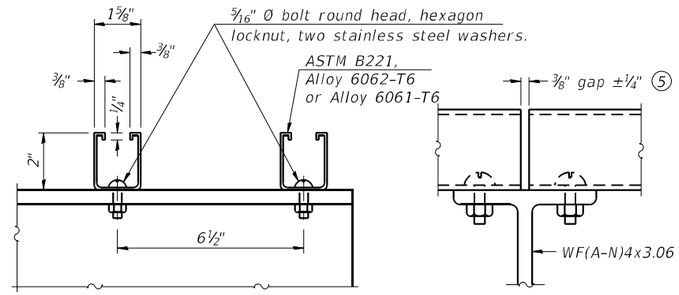


FRONT ELEVATION

See "Elevation" at right for dimensions.



ELEVATION AT HANDRAIL JOINT (4)

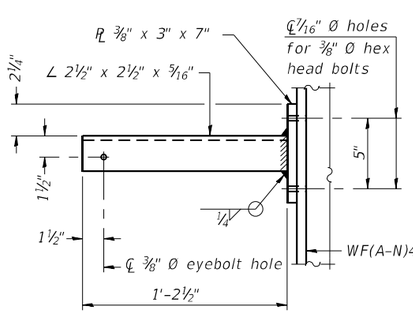


SECTION F-F

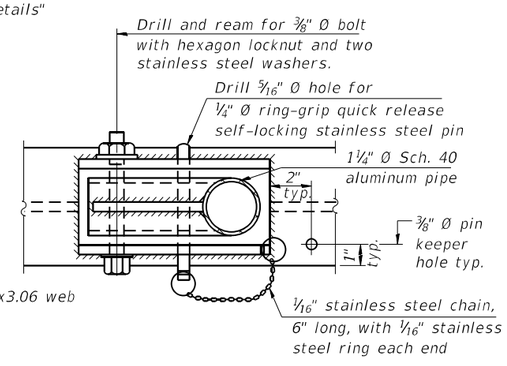
SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

(5) Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

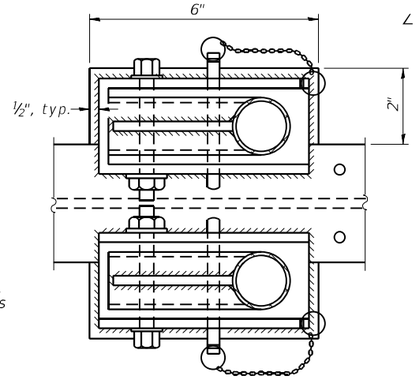


SECTION P-P



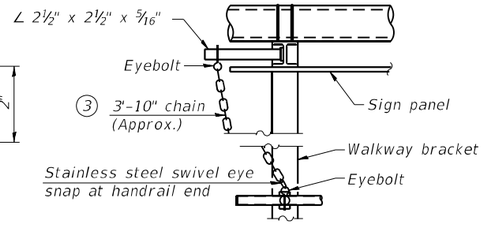
PLAN

DETAIL E HANDRAIL HINGE



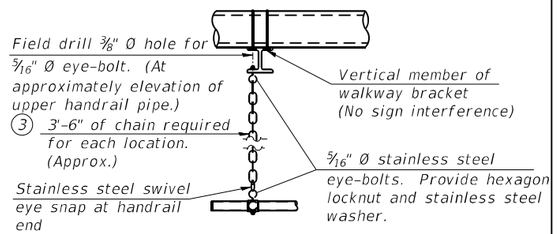
PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)



SAFETY CHAIN

One required for each end of each walkway.

(3) 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

(4) Extrusions may be used in lieu of the details shown, with approval of the Engineer.

OS-A-11 2-17-2017

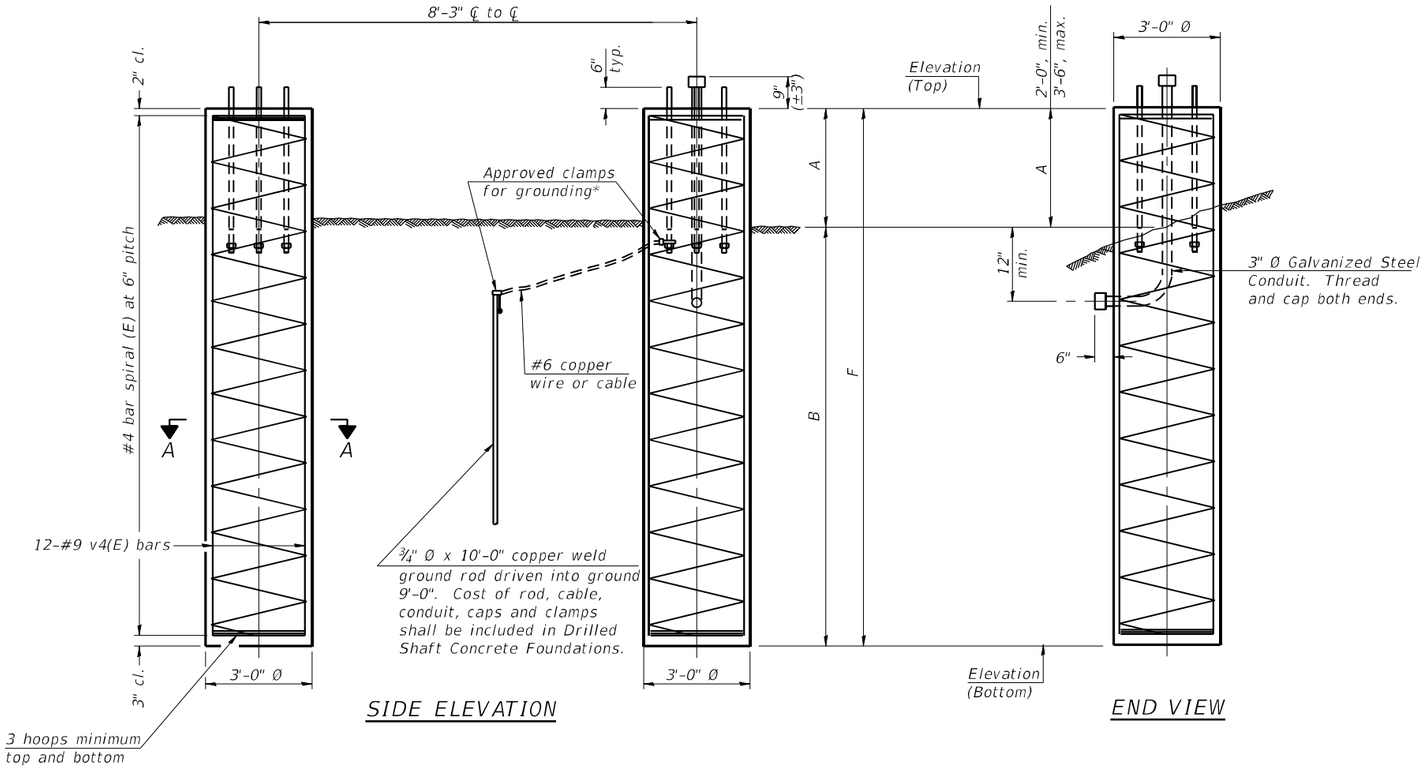
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	PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -	
	PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS
SHEET 11 OF 17 SHEETS

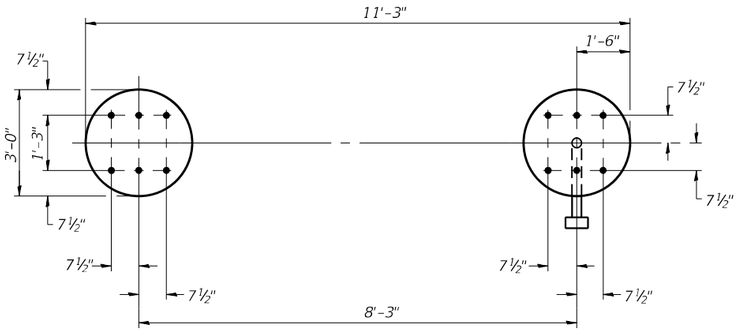
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		ILLINOIS	FED. AID PROJECT	

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3/30/2023 7:53:00 AM



SIDE ELEVATION

END VIEW



PLAN

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	——
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

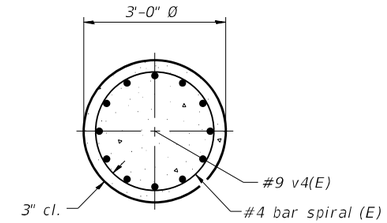
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A

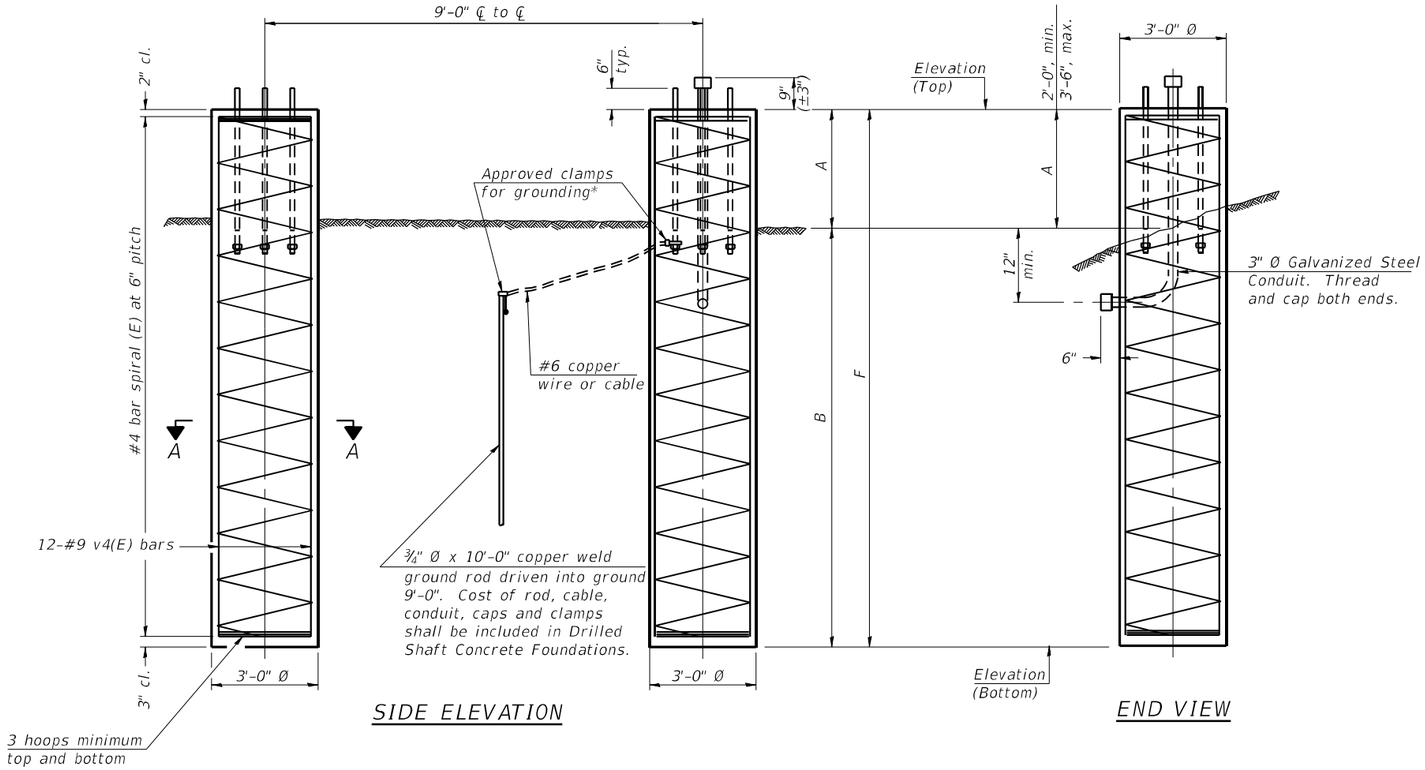
For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 10" Ø SUPPORT FRAME TYPE I-A or II-A TRUSS

	Structure Number	Station		Left Foundation				Right Foundation					Class DS Concrete (Cu. Yds.)
			Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
**	2S101139R117.4	282+20	850.09	825.09	3'-0"	22'-0"	25'-0"	850.88	825.88	3'-0"	22'-0"	25'-0"	26.2
	2S101139R118.4	335+00	824.45	806.95	2'-0"	15'-6"	17'-6"	829.19	806.69	2'-0"	20'-6"	22'-6"	21.0

** Note that temporary casing may be needed for construction due to possibility of caving soils. However, permanent casing is not recommended due to uplift controlling (use of permanent casing will greatly reduce the skin friction needed for capacity).



SIDE ELEVATION

END VIEW

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	——
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

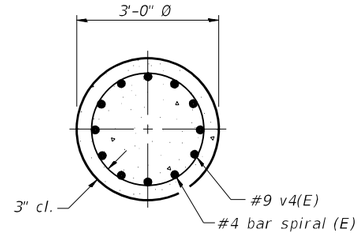
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

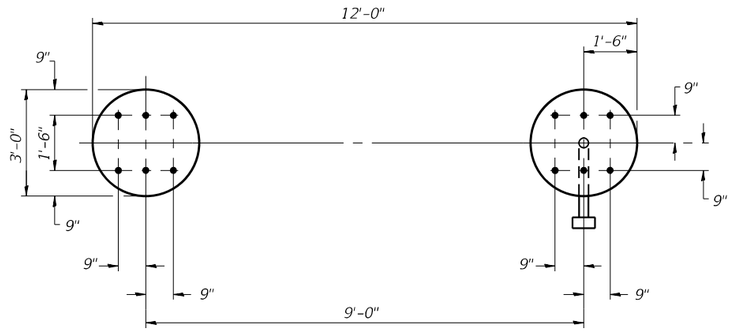
Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 12" Ø SUPPORT FRAME TYPE III-A TRUSS

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
2S1011039R119.5	2603+00	-	-	-	-	-	810.78	783.78	2'-0"	25'-0"	27'-0"	14.2

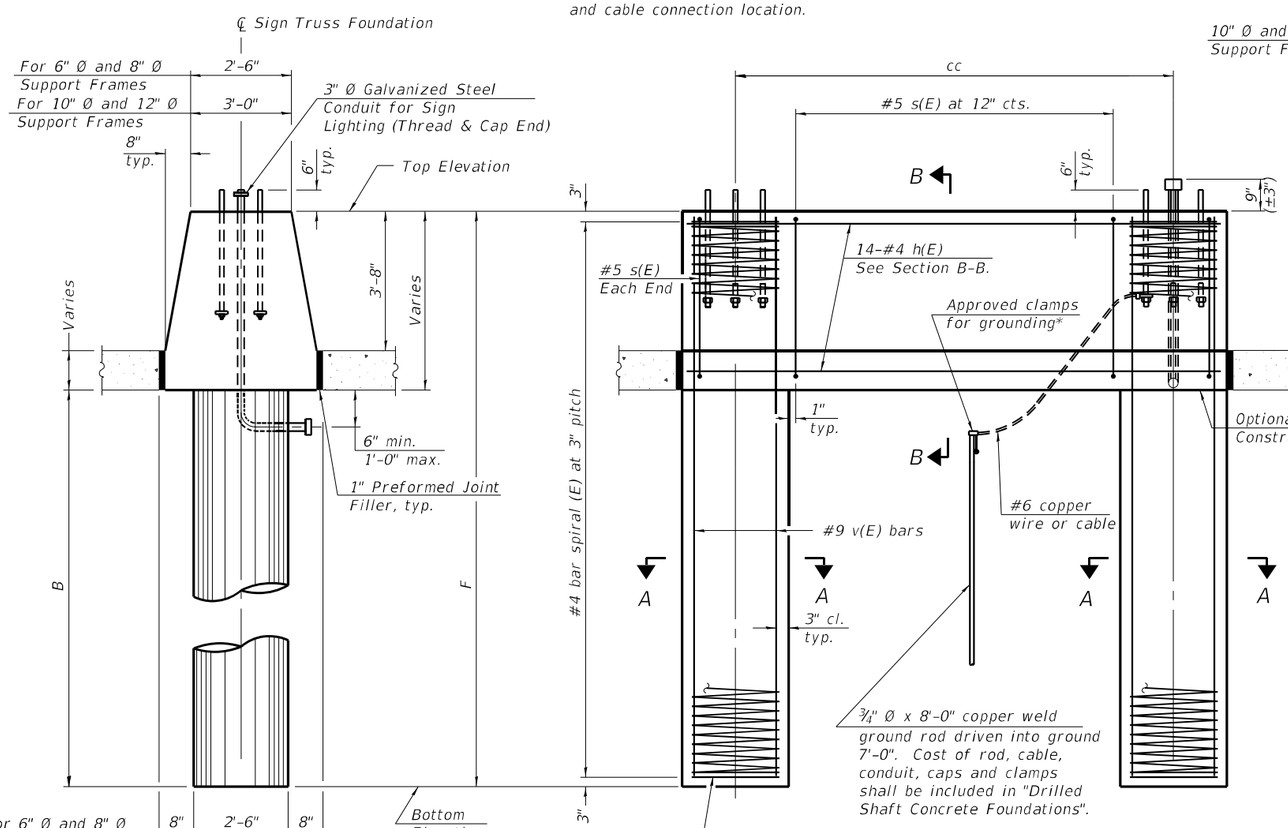
0S4-F4 2-17-2017

QUIGG ENGINEERING INC	USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES DRILLED SHAFT DETAILS
	D264B13-SHT-013-12inPipeDrilledShaft	CHECKED - KWB	REVISED -		SHEET 13 OF 17 SHEETS
	PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -		
	PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	692
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10800s\10800.00\Eng_Docs\CAD_Sheets\Sign Structures [Quigg]\D264B13-SHT-013-12inPipeDrilledShaft
4/25/2023 11:40:54 AM

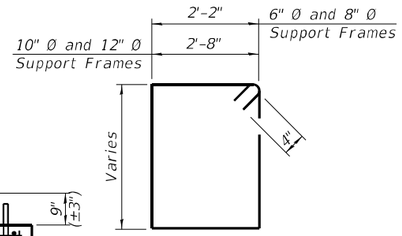
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



END VIEW

SIDE ELEVATION

Concrete Foundation poured monolithically with no construction joint.



BAR s(E)

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

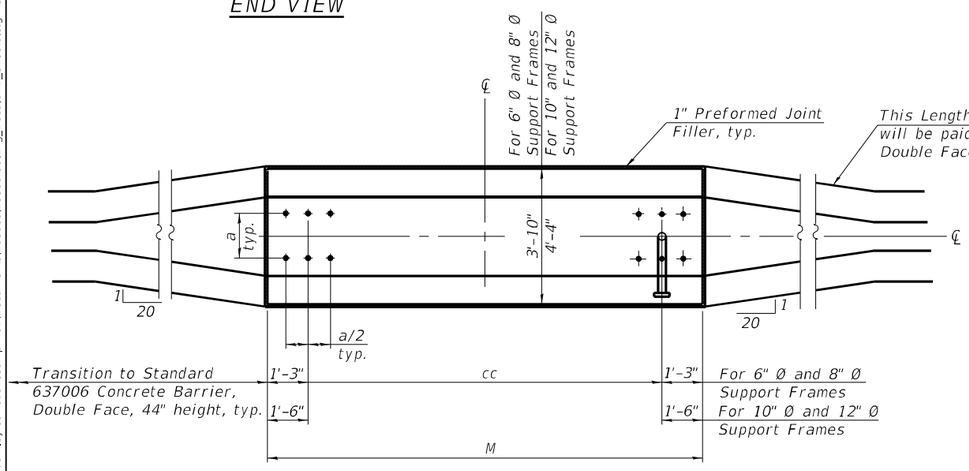
BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	14	#4	M less 4"	——
s(E)	Varies	#5	Varies	□
v(E)	16	#9	F less 0'-5"	——
v(E)	24	#9	F less 0'-5"	——
#4(E) bar spiral. See Side Elevation				

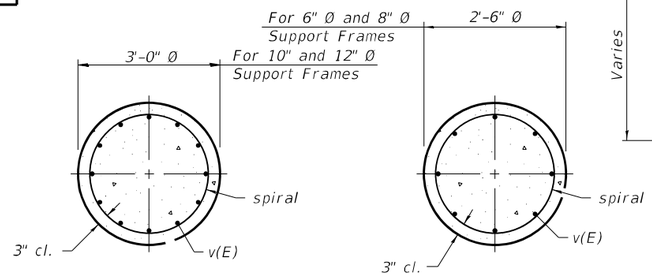
6" Ø and 8" Ø Support Frame

10" Ø and 12" Ø Support Frame

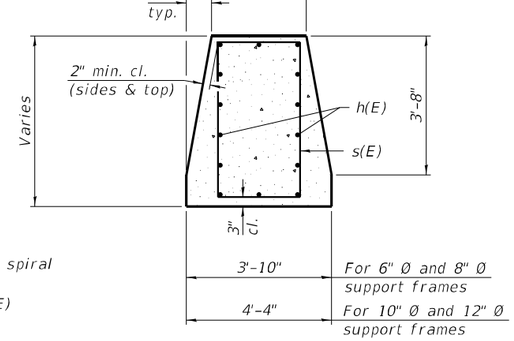
Pipe Support Frames	cc	M	a	a/2
6" Ø	7'-0"	9'-6"	0'-11"	5½"
8" Ø	7'-6"	10'-0"	1'-1½"	6¾"
10" Ø	8'-3"	11'-3"	1'-3"	7½"
12" Ø	9'-0"	12'-0"	1'-6"	9"



PLAN



SECTION A-A



SECTION B-B

Structure Number	Station	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
2S1011039R119.5	2603+00	809.29	774.62	30'-0"	34'-8"	-	-	-	-	23.7

0S4-MED 4-1-2020

QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES MEDIAN SUPPORT FOUNDATION DETAILS	
D264B13-SHT-014-MedianDrilledShaft	CHECKED - KWB	REVISED -			
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -			
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		SHEET 14 OF 17 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	693
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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4/25/2023 11:41:29 AM

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 12/12/22

ROUTE I-39 DESCRIPTION P92-111-06 - Overhead sign truss LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, SW 1/4 9, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 12' 36.67" Northing 2,021,234.9524
Longitude -89° 00' 42.02" Easting 2,609,481.8773

BORING NO. B-1
Station 335+05
Offset 56.00ft Lt of CL NB
Ground Surface Elev. 97.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 93.3 ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY SOFT light brown LOAM			0.2 P	26.0
	95.80			
HARD tan SANDY LOAM with ROCK (FILL)		3 35 22	4.5 P	11.0
	94.30			
	-5			
VERY DENSE tan SANDY LOAM with limestone fragments		18 33 34		9.0
	91.80			
VERY STIFF gray/tan SANDY CLAY LOAM with rock		5 11 17	2.9 B	10.0
	88.30			
	-10			
No Recovery		25 45 49		
	85.80			
VERY DENSE tan WEATHERED LIMESTONE		100 for 3"		
	84.30			
VERY DENSE tan WEATHERED LIMESTONE	82.80 -15	100 for 1"		
Auger refusal @ 15'				
End of Boring				
	-20			

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 12/20/23

ROUTE I-39 DESCRIPTION P92-111-06 - Overhead sign truss LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, SW 1/4 9, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 12' 36.50" Northing 2,021,219.5841
Longitude -89° 00' 40.65" Easting 2,609,585.0514

BORING NO. B-2
Station 335+00
Offset 50.00ft Rt of NB CL
Ground Surface Elev. 100.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY SOFT brown SILTY CLAY LOAM			0.2 P	17.0
	98.60			
MEDIUM brown SILTY CLAY LOAM		11 10 8	0.5 B	22.0
	97.10			
	-5			
STIFF light brown SANDY CLAY TILL		4 3 6	1.1 B	14.0
	94.60			
VERY STIFF tan SANDY LOAM with GRAVEL		7 9 6	2.5 P	10.0
	92.10			
	-10			
HARD gray CLAY LOAM TILL		4 6 8	5.0 B	17.0
	89.60			
No Recovery		5 5 8		
	86.10			
MEDIUM tan VERY FINE SILTY SAND	-15	3 5 7		12.0
	84.60			
DENSE tan DIRTY SAND with MEDIUM GRAVEL		12 20 29		
	82.10			
VERY DENSE tan WEATHERED	80.60 -20	100		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LIMESTONE		for 3"		
Auger refusal @ 20'				
End of Boring				
	-25			
	-30			
	-35			
	-40			

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Ground Surface Elev. 97.80 = 825.21

The elevation datum was taken from the pavement crown at the center of the structure, which has been arbitrarily assigned an elevation of 100.0. This datum should be converted to USGS datum. Elevation 100.00 = 827.41.

Ground Surface Elev. 100.60 = 828.01

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 12/20/22

ROUTE US Byp 20 DESCRIPTION P92-111-06 - Overhead sign truss LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, NE 1/4 9, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 13' 12.56" Northing 2,024,911.9173
Longitude -88° 59' 58.86" Easting 2,612,680.2244

BORING NO. B-1
Station 2603+00
Offset 0.00ft CL
Ground Surface Elev. 97.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 75.1 ft
Upon Completion 84.1 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
		0.6 P	16.0	MEDIUM brown SILTY CLAY LOAM
95.10				
	4 4 5	1.0 B	27.0	STIFF light gray SILTY CLAY LOAM
93.60				
-5	3 5 6	0.2 P	15.0	VERY SOFT tan SANDY LOAM with LIMESTONE FRAGMENTS
91.10				
	3 4 6	0.3 P	12.0	SOFT tan MOIST SANDY LOAM with GRAVEL
88.60				
-10	6 8 9	2.2 S	10.0	VERY STIFF tan SANDY LOAM
86.10				
	6 10 12	1.1 S	8.0	STIFF tan SANDY LOAM with GRAVEL
83.60				
-15	9 11 11	2.4 S	8.0	VERY STIFF tan SANDY LOAM with GRAVEL
81.10				
	5 8 11	0.3 P	10.0	SOFT tan SANDY LOAM with GRAVEL
77.60				
-20	13			DENSE tan MOIST SANDY GRAVEL *(continued)*
76.10	18 20			
	12 15 28	1.8 P	15.0	STIFF tan SANDY GRAVEL bottom 4" SILTY LOAM
73.60				
-25	20 24 29	4.2 S	15.0	HARD tan/light gray FINE SAND wtih SILTY CLAY LENS
71.10				
	10 18 28			DENSE tan FINE SAND
68.60				
-30	20 17 18			DENSE tan FINE SAND
66.10				End of Boring
-35				
-40				

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Ground Surface Elev. 97.10 = 803.74

The elevation datum was taken from the pavement crown at the center of the structure, which has been arbitrarily assigned an elevation of 100.0. This datum should be converted to USGS datum. Elevation 100.00 = 806.64.

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 1/9/23

ROUTE US Byp 20 DESCRIPTION P92-111-06 - Overhead sign truss LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, NE 1/4 9, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 13' 11.77" Northing 2,024,832.4676
Longitude -88° 59' 58.87" Easting 2,612,680.7701

BORING NO. B-2
Station 2602+98
Offset 79.00ft Rt
Ground Surface Elev. 95.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 83.9 ft
Upon Completion Wash ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
		0.8 P	20.0	MEDIUM light brown SILTY CLAY LOAM
93.90				
	5 5 6	1.1 P	18.0	STIFF light brown SANDY CLAY LOAM
92.40				
-5	4 3 10	0.3 P	12.0	SOFT tan MOIST SANDY LOAM
89.90				
	3 7 7	1.1 P	10.0	STIFF tan SANDY LOAM with GRAVEL
87.40				
-10	10 16 22		12.0	DENSE tan SANDY LOAM with GRAVEL
84.90				
	12 52 52	5.0 B	11.0	HARD tan SANDY LOAM with BIG GRAVEL
81.40				
-15	6 8 9			MEDIUM tan FINE SAND
78.90				
	7 8 11	3.1 B	14.0	VERY STIFF tan SANDY LOAM TILL with FINE SAND LENS
76.40				
-20	18			VERY DENSE tan DIRTY SANDY GRAVEL
74.90	35 49			
				Hand drilling *(continued)*
	100 for 1'			VERY DENSE tan BIG GRAVEL
71.40				
-25	30 100 for 9'	3.5 S	9.0	VERY STIFF tan SANDY LOAM TILL GRAVEL
68.90				
				5' Run
				VERY DENSE tan MEDIUM GRAVEL BIG TILL
65.90				
-30	100 for 1"			End of Boring
-35				
-40				

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Ground Surface Elev. 95.90 = 802.54

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FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\108000s\108000.00\Eng_Docs\CAD_Sheets\Sign Structures [Quigg]\D264B13-SHT-016-Boring
3/30/2023 7:53:47 AM

QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS OVERHEAD SIGN STRUCTURES
D264B13-SHT-016-Boring	CHECKED - KWB	REVISED -		
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -		SHEET 16 OF 17 SHEETS
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	695
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 2/21/23

ROUTE I-39 DESCRIPTION P92-111-06 - Proposed sign truss, 0.28 mi. N. of Blackhawk Rd. LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, SE 1/4 17, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 11' 55.14" Longitude -89° 01' 20.19"
Northing 2,016,992.7221 Easting 2,606,666.3459

BORING NO. B-1
Station 282+20
Offset 34.00ft E of CL
Ground Surface Elev. 97.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF light brown CLAY LOAM			1.1 P	21.0
	95.00			
MEDIUM light brown SANDY LOAM		4 4 6	0.8 B	17.0
	93.50			
VERY SOFT tan MOIST SANDY LOAM	-5	2 2 3	0.2 P	18.0
	91.00			
HARD tan SANDY LOAM TILL hand drilling		15 19 30	7.1 S	8.0
	88.50			
VERY DENSE tan SANDY LOAM TILL	-10	24 36 42		8.0
	86.00			
VERY DENSE tan SANDY LOAM TILL		21 100 for 11"		
	83.50			
VERY DENSE tan SANDY LOAM TILL with BIG GRAVEL	-15	100 for 3"		
	81.00			
End of Boring				
	-20			

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Ground Surface Elev. 97.00 = 848.78

The elevation datum was taken from the pavement crown at the center of the structure, which has been arbitrarily assigned an elevation of 100.0. This datum should be converted to USGS datum. Elevation 100.00 = 851.78

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 2/21/23

ROUTE I-39 DESCRIPTION P92-111-06 - Proposed sign truss, 0.28 mi. N. of Blackhawk Rd. LOGGED BY W. Garza

SECTION (201-3)K LOCATION Cherry Valley, SE 1/4 17, SEC. , TWP. 43N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

Latitude 42° 11' 55.58" Longitude -89° 01' 21.09"
Northing 2,017,035.5427 Easting 2,606,598.0187

BORING NO. B-2
Station 282+20
Offset 47.00ft W of CL NB
Ground Surface Elev. 96.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 72 Hrs. 92.0 ft ▽

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM light brown SANDY CLAY LOAM			0.5 P	17.0
	94.00			
STIFF light brown SANDY CLAY LOAM		3 3 4	1.7 B	16.0
	92.50 ▽			
SOFT tan SANDY LOAM TILL	-5	1 2 13	0.4 P	12.0
	90.00			
VERY DENSE tan SANDY LOAM TILL with LIMESTONE hand drilling		37 41 60 for 4"		
	87.50			
VERY DENSE tan SANDY LOAM TILL CME-75 2/24/23	-10	31 40 45		
	85.00			
VERY DENSE tan SANDY LOAM TILL		51 50 50 for 4"		
	82.50			
VERY DENSE tan SANDY LOAM TILL with FINE SAND LENS	-15	41 53 41		
	80.00			
VERY DENSE tan WEATHERED LIMESTONE		100 for 1.5"		
	78.00			
End of Boring				
	-20			

Northing and Easting were calculated using the ILHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

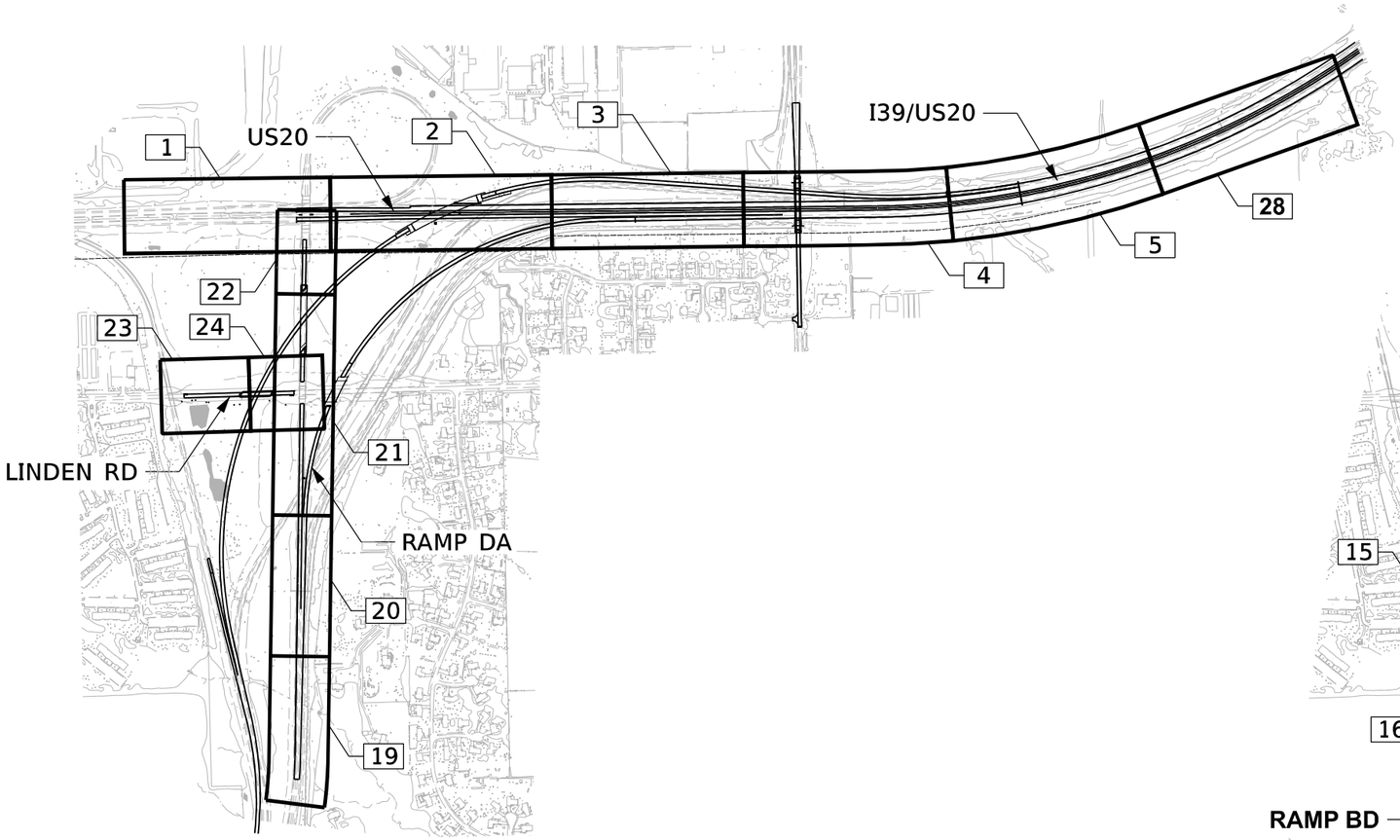
Ground Surface Elev. 96.00 = 847.78

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3/30/2023 7:54:15 AM

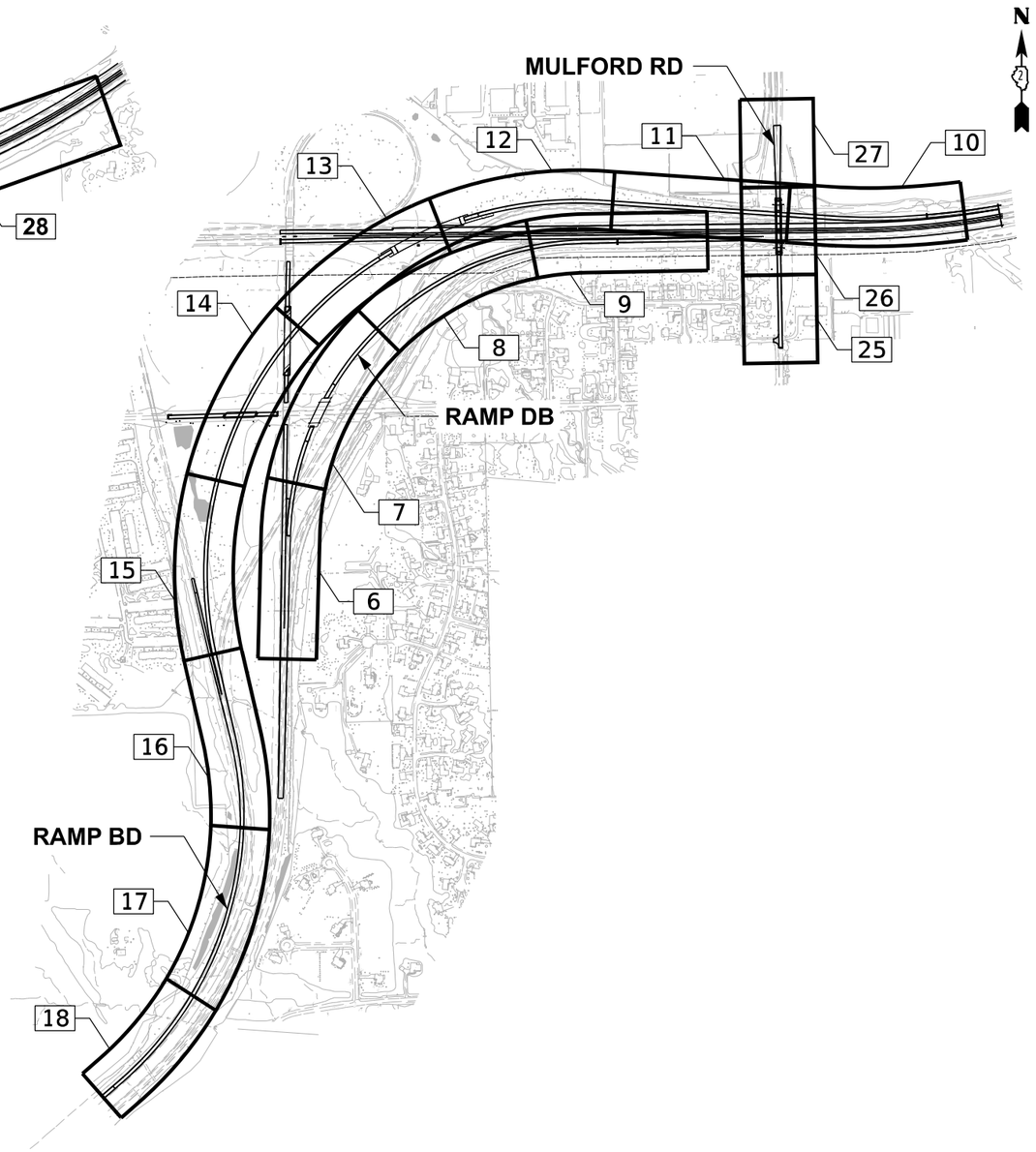
QUIGG ENGINEERING INC

USER NAME = zdavidson	DESIGNED - ZLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS OVERHEAD SIGN STRUCTURES
D264B13-SHT-017-Boring	CHECKED - KWB	REVISED -		SHEET 17 OF 17 SHEETS
PLOT SCALE = 0.1667 ' / in.	DRAWN - ZLD	REVISED -		
PLOT DATE = 03/31/2023	CHECKED - MDC	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	696
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



LANDSCAPING KEYPLAN
US20/I39 RAMP DA AND LINDEN RD



LANDSCAPING KEYPLAN
RAMP BD, RAMP DB AND MULFORD RD

MODEL: Default
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s\10800.00\Eng. Docs\CAD Sheets\General\D0764B13-Sheets-KEYPLAN landscaping.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312.565.0450 Job No. 10800.00

USER NAME = JMaCher	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1000.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING KEY PLAN

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	697
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

LANDSCAPING GENERAL NOTES

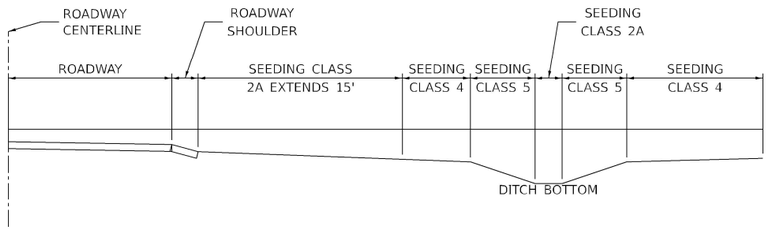
1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANTS MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

2. THE SEEDING DATES FOR BARE EARTH SEEDING SHALL BE FROM MAY 15 TO JUNE 30 AND OCTOBER 15 TO DECEMBER 1, ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATES SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER, FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR OWN EXPENSE.

3. SEE EROSION AND SEDIMENT CONTROL PLANS FOR MORE INFORMATION ON EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS.

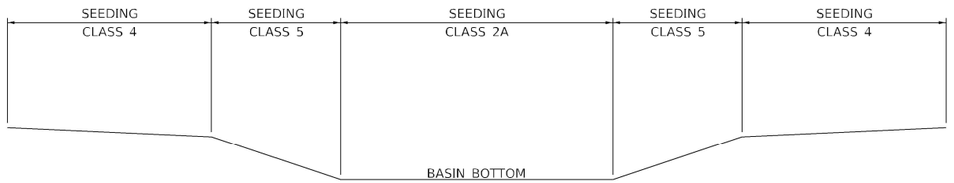
4. ALL EROSION CONTROL BLANKET AND TURF REINFORCEMENT MAT WILL BE PLACED AS SHOWN IN THE EROSION AND SEDIMENT CONTROL PLANS AND WILL REMAIN IN PLACE EVEN IF PLACED DURING A TEMPORARY STAGE.

TYPICAL ROADSIDE DITCH CROSS SECTION



*FOR DITCHES THAT FALL WITHIN THE 15' OFFSET FROM THE ROADWAY, THE ENTIRE DITCH WILL BE CLASS 2A INCLUDING THE SIDESLOPES AND DITCH BOTTOMS. IN AREAS WHERE ONLY A PORTION OF THE DITCH FALLS WITHIN THE 15' OFFSET FROM THE ROADWAY, ONLY THE FORESLOPE AND DITCH BOTTOM WILL BE CLASS 2A, WHILE THE BACKSLOPE WILL BE CLASS 5 SEEDING. FOR ANY AREAS WHERE THE SLOPE IS GREATER THAN 3:1, CLASS 4 SEEDING WILL BE USED REGARDLESS OF THE PROXIMITY TO THE ROADWAY OR LOCATION WITHIN A DITCHES.

TYPICAL RETENTION BASIN CROSS SECTION



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Kaskaskia Engineering Group, LLC
209 E. Main St., Suite 100
DeSoto, Illinois 62924
618.243.5675 phone
618.243.5677 fax
www.kaskaskiaeng.com
PROFESSIONAL SEAL OF RECORD
Illinois Professional Design Firm
Professional Engineering Group
EXPIRES: N/A
184.007793
28-3089506

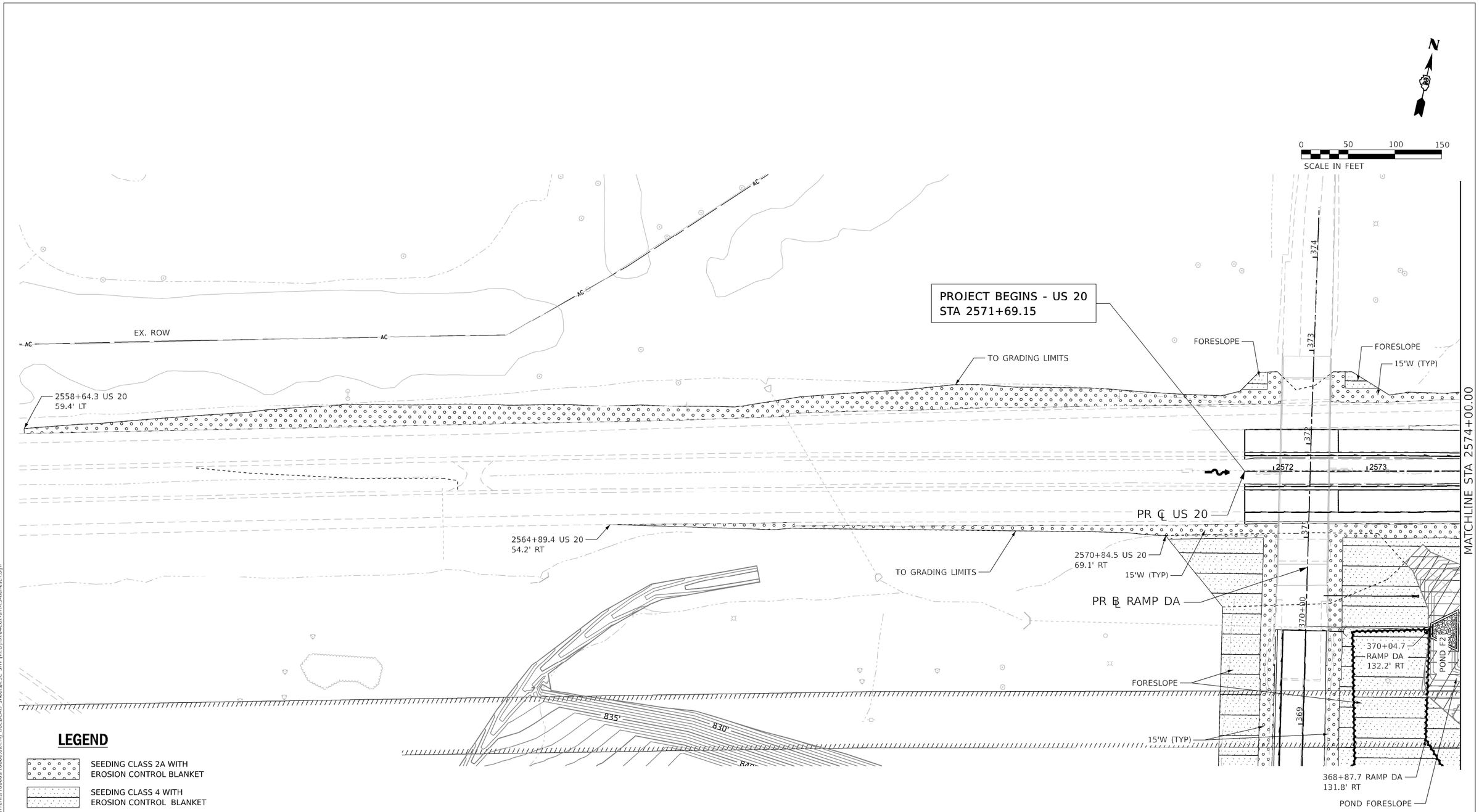
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING GENERAL NOTES

SCALE: NONE | SHEET 1 OF 25 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	698
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

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Kaskaskia Engineering Group, LLC
208 E. Main St., Suite 100
Salem, Illinois 62881
618.253.5671 phone
618.253.5977 fax
www.kaskaskiaeng.com
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group
184.006772
28-9300056

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
	DRAWN - SRS	REVISED -	
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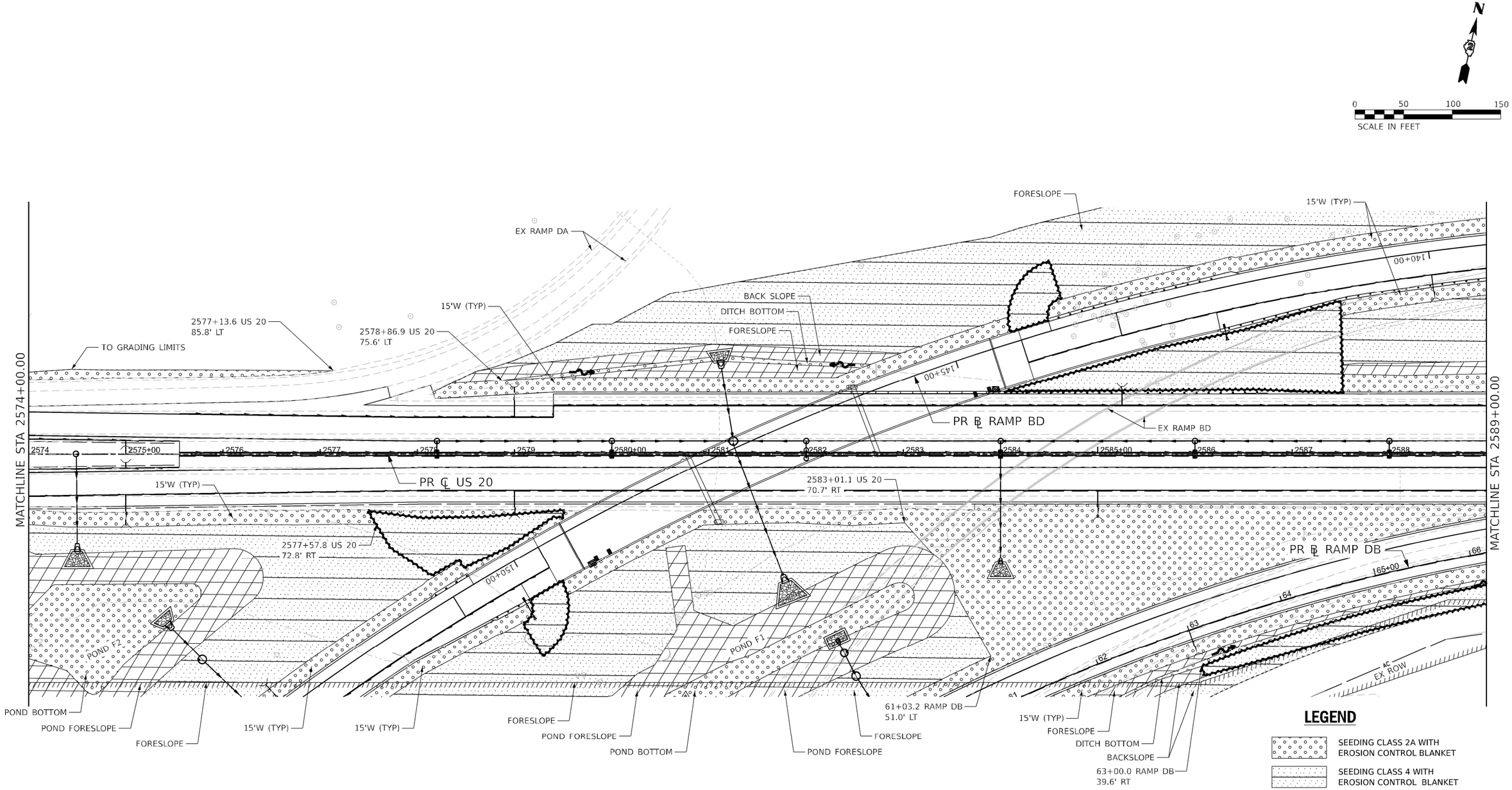
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
US 20

SCALE: 1:50 | SHEET 2 OF 25 SHEETS | STA. 2571+69.15 | TO STA. 2574+00.00

KEYPLAN SHEET 1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	699
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 2

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 330, Salem, Illinois 62881
618.233.5077 phone
www.kaskaskia-eng.com
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.006772
Professional Engineering Group: 26.5500Mo
LICENSE NO.

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
	DRAWN - SRS	REVISED -	
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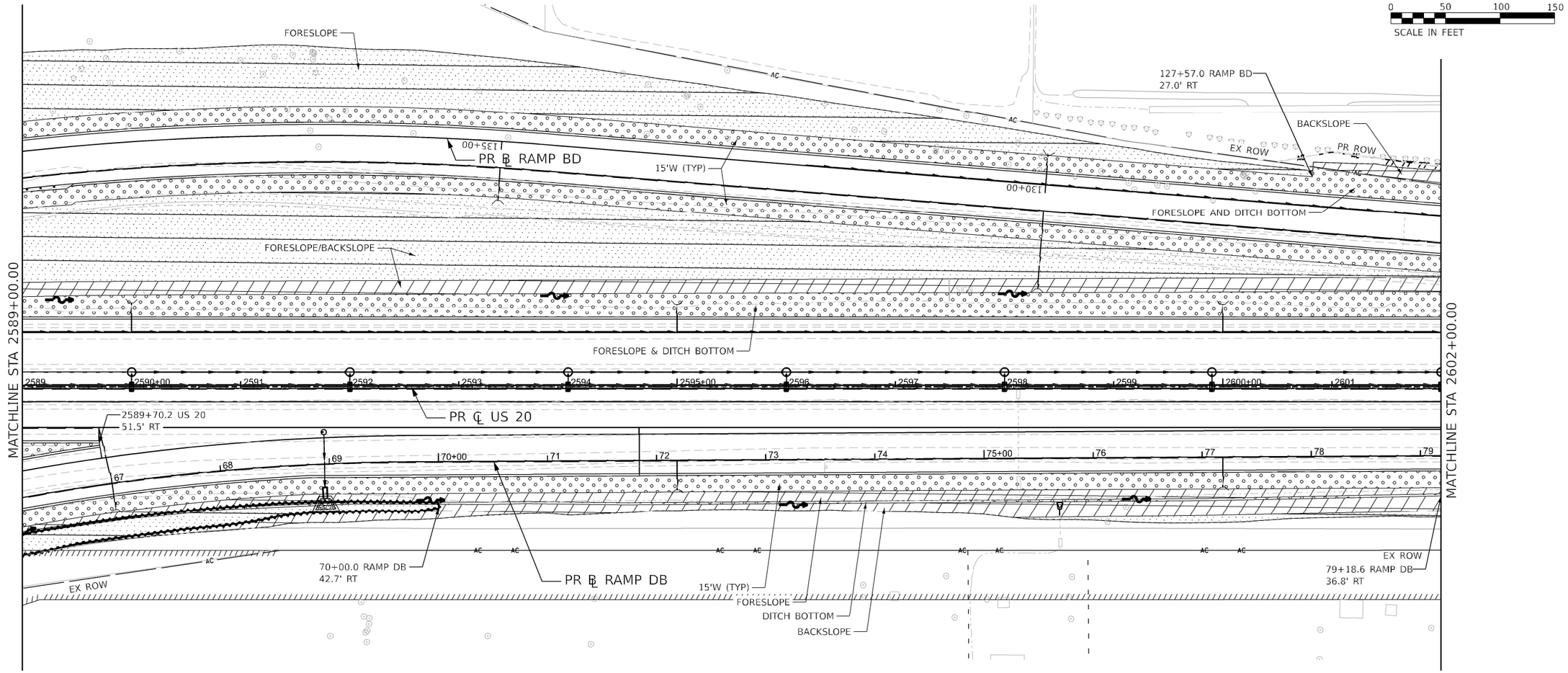
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
US 20

SCALE: 1:50 | SHEET 3 OF 25 SHEETS | STA. 2574+00.00 | TO STA. 2589+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	700
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 3

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATION
Illinois Professional Design Firm
Professional Engineering Group
184.006773
28.930056

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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
US 20

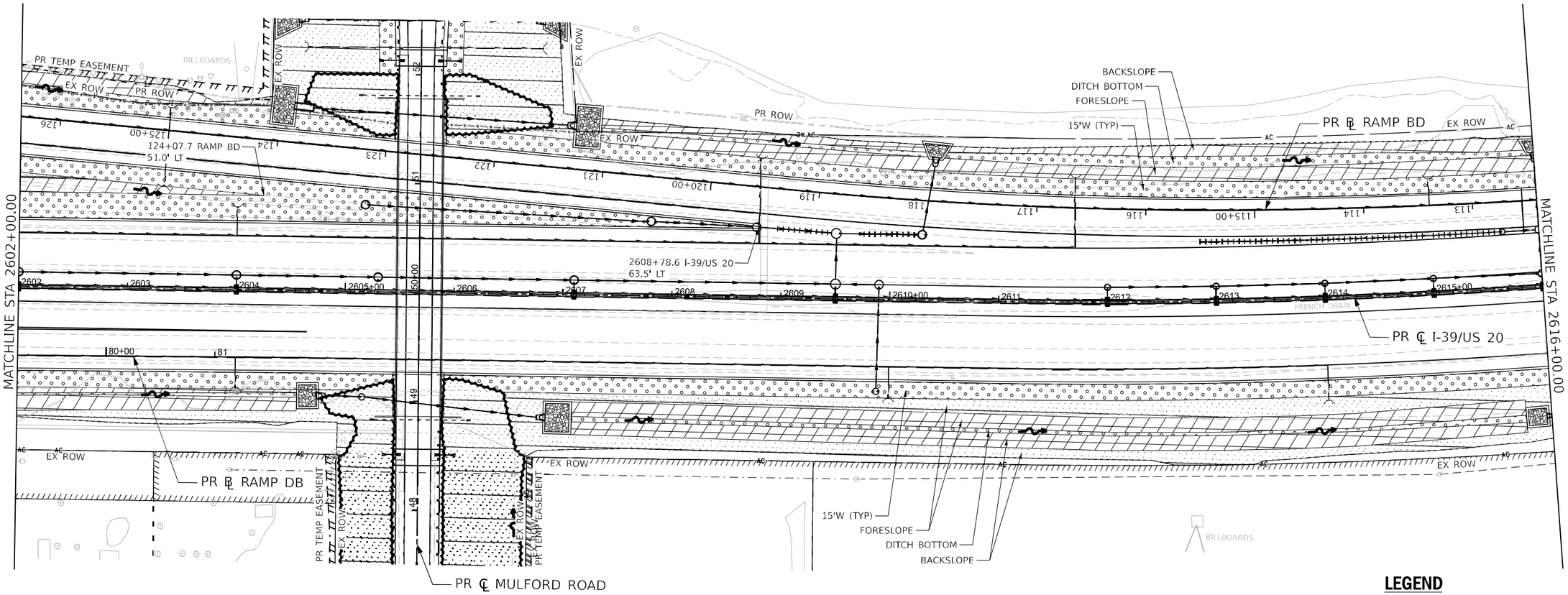
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	701
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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SCALE IN FEET



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 4

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 100
Belleville, Illinois 62220
618.233.8900 Phone
618.233.8977 fax
www.kaskaskiaeng.com
Illinois Design Firm No. 184.007971
Illinois Professional Design Firm Professional Engineering Group

USER NAME = sshuler	DESIGNED - RJB	REVISED -
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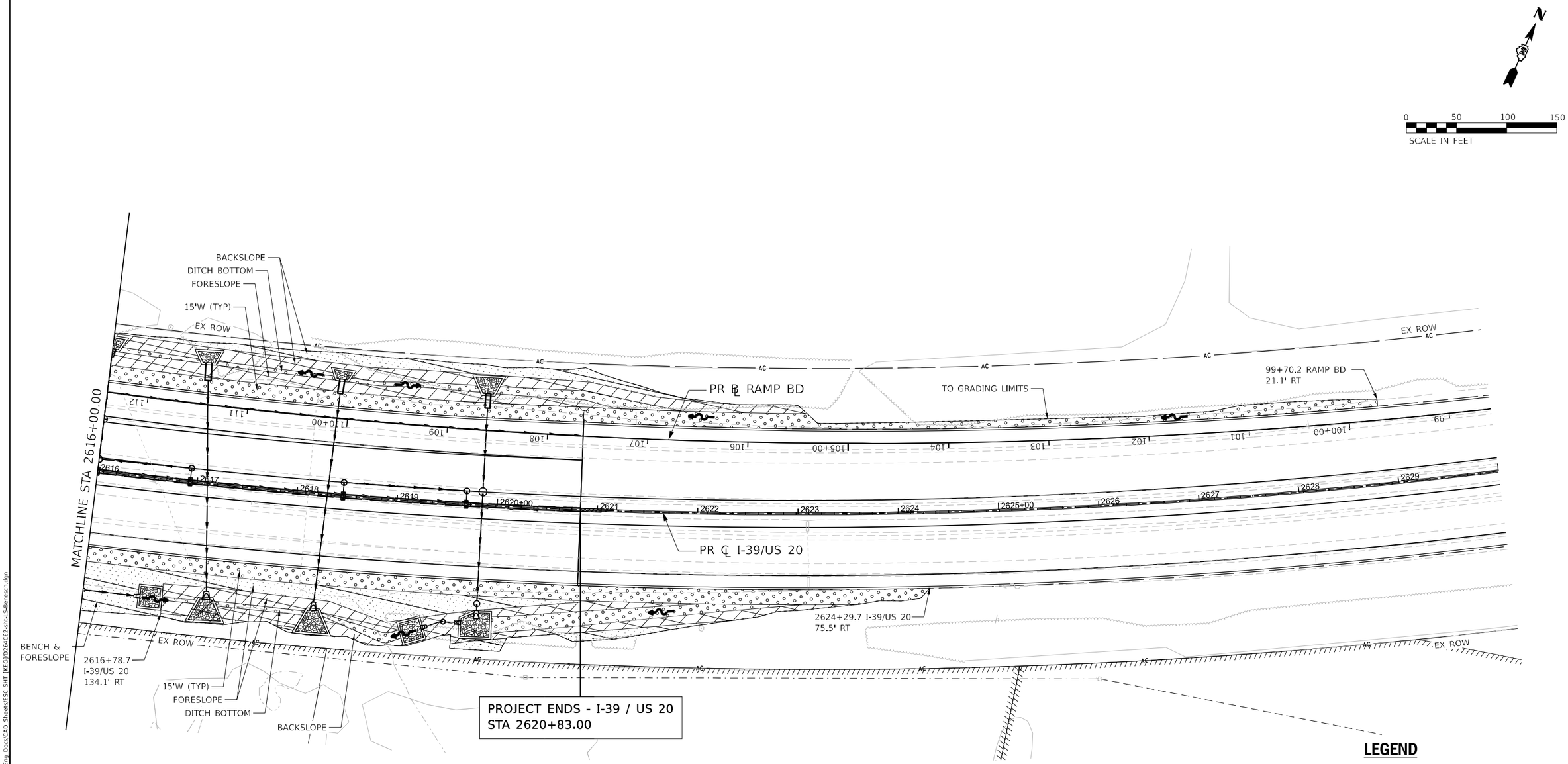
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
I-39/US 20

SCALE: 1:50 | SHEET 5 OF 25 SHEETS | STA. 2602+00.00 | TO STA. 2616+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	702
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 5

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 100, Belleville, Illinois 62220
618.233.5675 phone
618.233.6620 fax
ILLINOIS REGISTERED Illinois Professional Design Firm Professional Engineering Group — 184.006775 — 28-5900006

USER NAME = sshuler	DESIGNED - RJB	REVISED -
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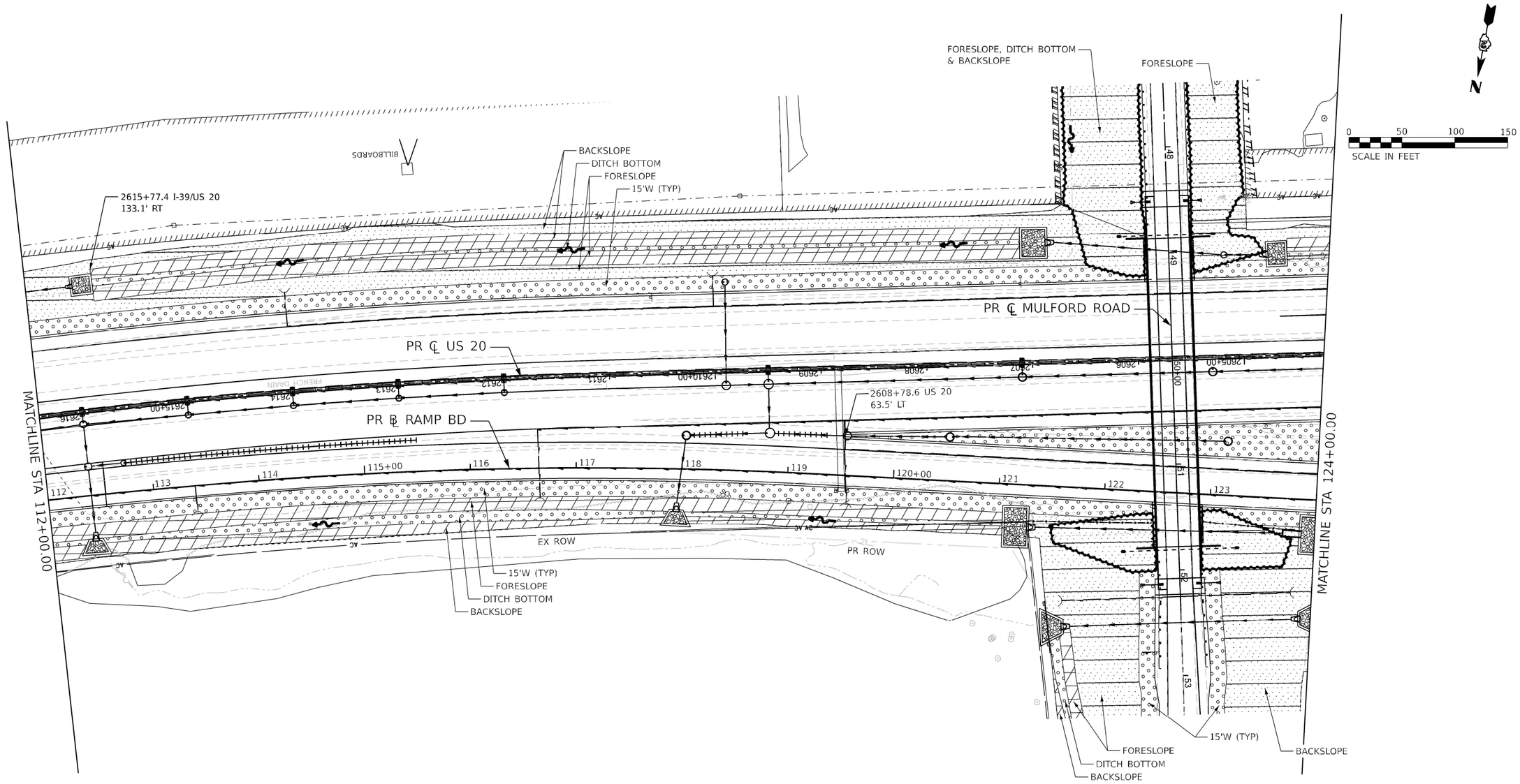
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
I-39/US 20

SCALE: 1:50 | SHEET 6 OF 25 SHEETS | STA. 2616+00.00 | TO STA. 2630+00.00

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		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 18

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Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm 184.006773
Professional Engineering Group 20-5010586
LAURENT SIOS
200 E. Main St., Suite 200
Belleville, Illinois 62220
618.233.5077 phone
618.233.5077 fax
www.kaskaskia.com

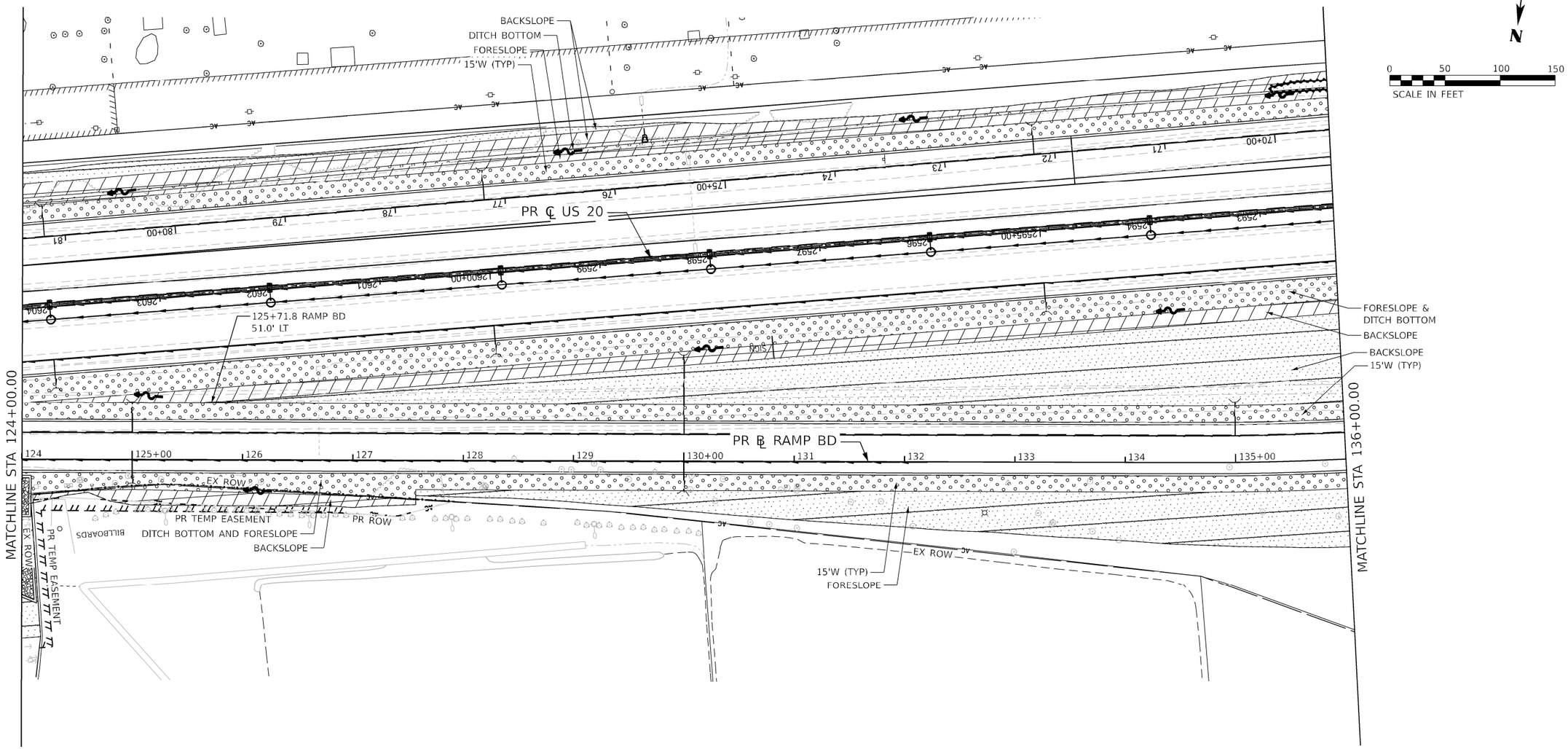
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 7 OF 25 SHEETS | STA. 112+00.00 | TO STA. 124+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	704
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 17

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.004771
Professional Engineering Group: 28.5050856
209 E. Main St., Suite 100, Belleville, Illinois 62220
618.233.5675 phone
618.233.5577 fax
www.kaskaskia.group

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
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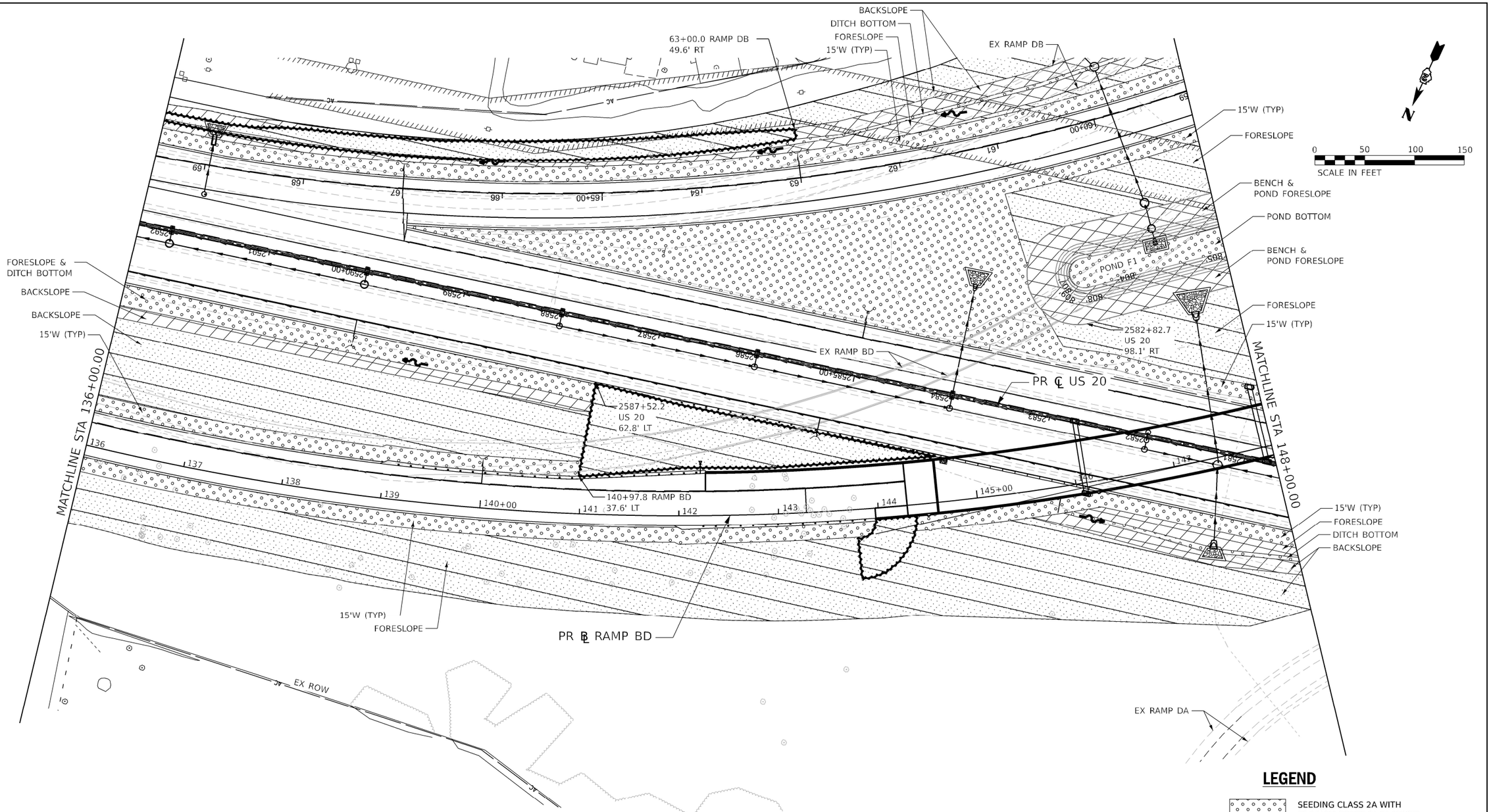
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 8 OF 25 SHEETS | STA. 124+00.00 | TO STA. 136+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	705
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 16

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Kaskaskia Engineering Group, LLC
208 E. Main St., Suite 106, Salem, Illinois 62227, 618.253.5677 Phone, 618.233.5977 fax, www.KaskaskiaEng.com
Illinois Professional Design Firm: Professional Engineering Group — 184.006771, 28.5/10/26a

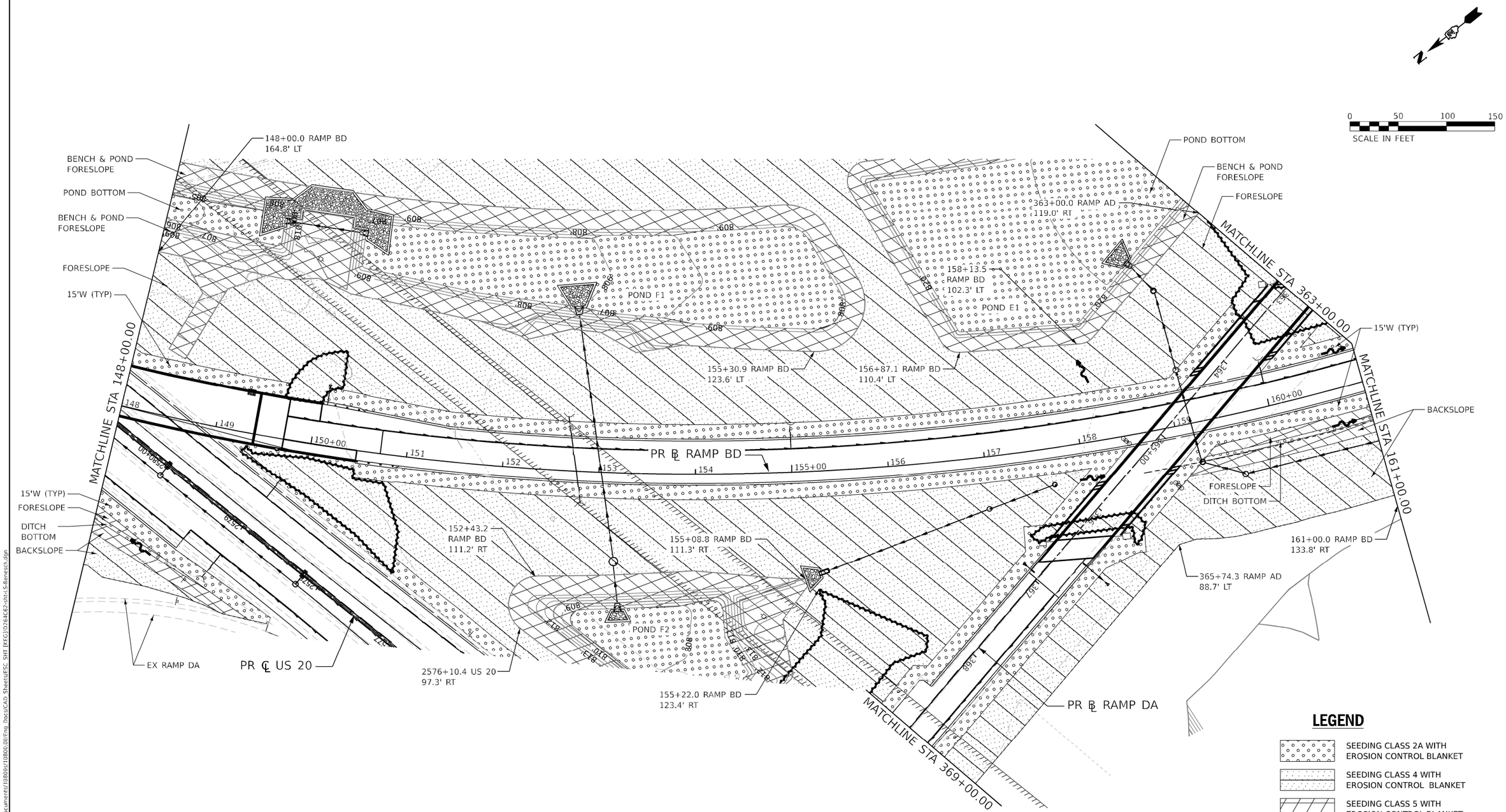
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 9 OF 25 SHEETS | STA. 136+00.00 | TO STA. 148+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	706
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

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Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm 184.006713
Professional Engineering Group 20-5010586
200 E. Main St., Suite 200 Belleville, Illinois 62220 618.233.5677 phone 618.233.5957 fax www.kaskaskia.net
LAURA C. SHEPHERD 062.057.7555

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
	DRAWN - SRS	REVISED -	
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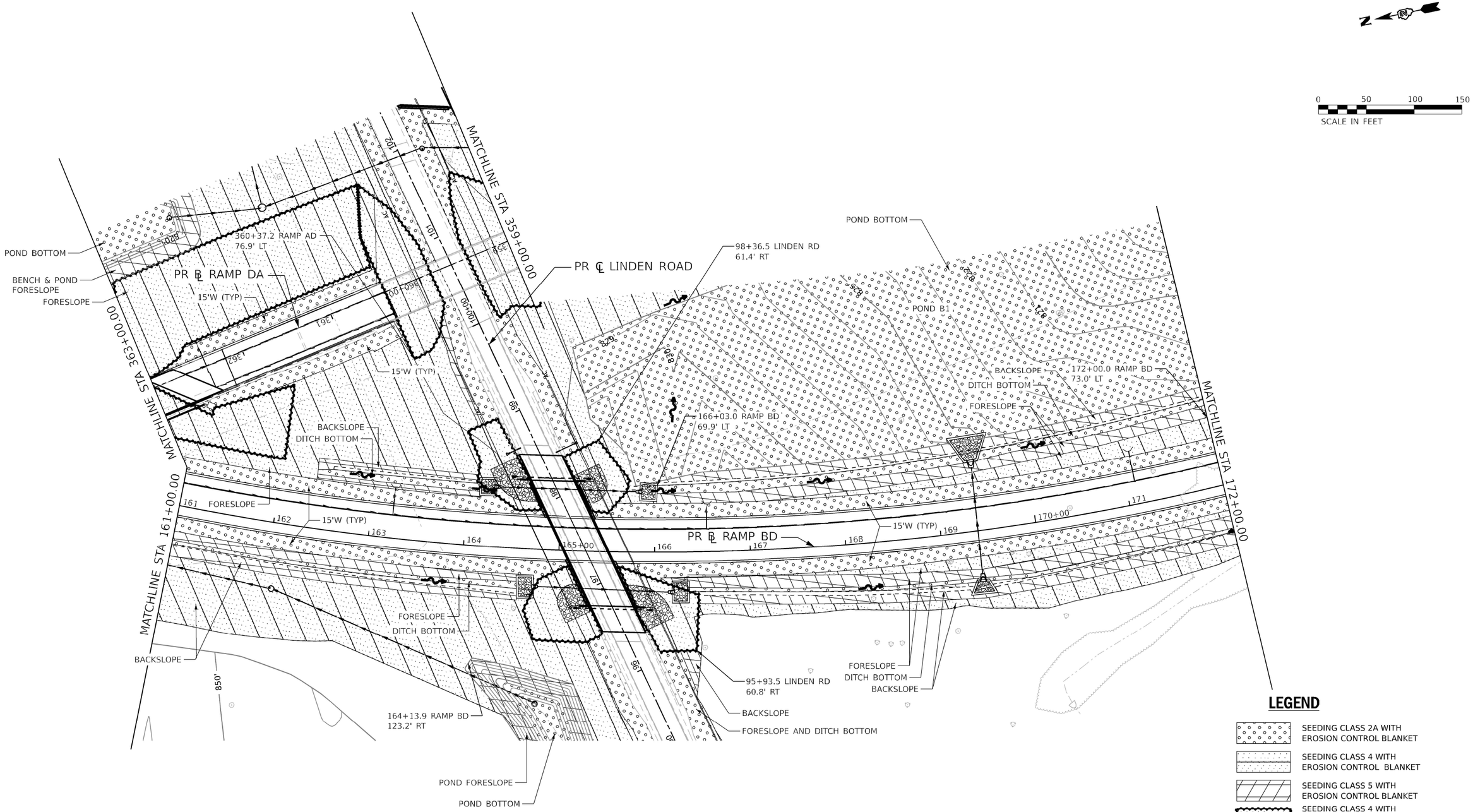
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 10 OF 25 SHEETS | STA. 148+00.00 | TO STA. 161+00.00

KEYPLAN SHEET 15

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	707
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 14

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group
LAC 17697-001
184.006774
28-5/08/06

200 E. Main St., Suite 200
Belleville, Illinois 62220
618.233.5077 phone
618.233.5077 fax
www.kaskaskia.net

USER NAME = sshuler	DESIGNED - RJB	REVISED -
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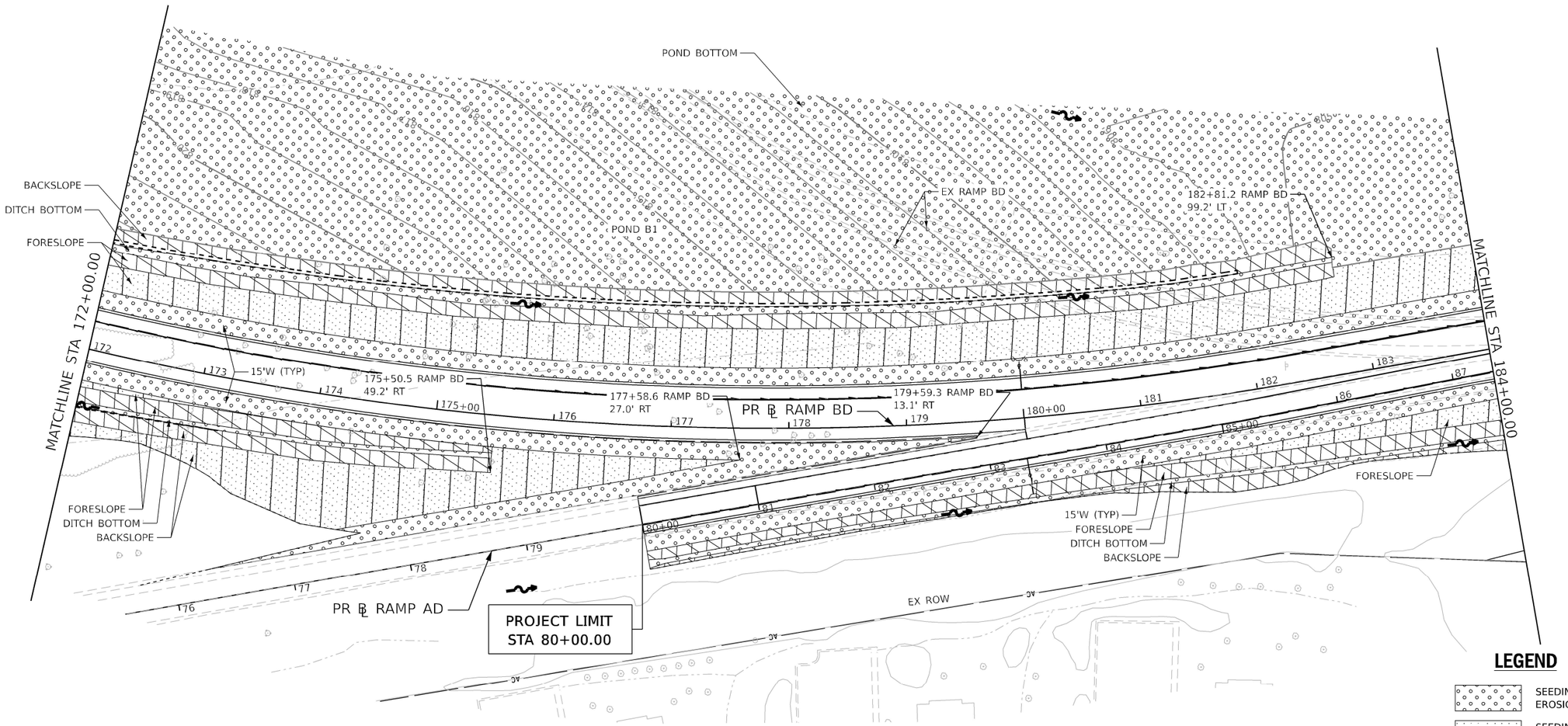
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 11 OF 25 SHEETS | STA. 161+00.00 | TO STA. 172+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	708
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 13

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Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.004771
Professional Engineering Group: 28-5006566
209 E. Main St., Suite 100, Belleville, Illinois 62220, 618.233.5675 phone, 618.233.5577 fax, www.kaskaskiagroup.com

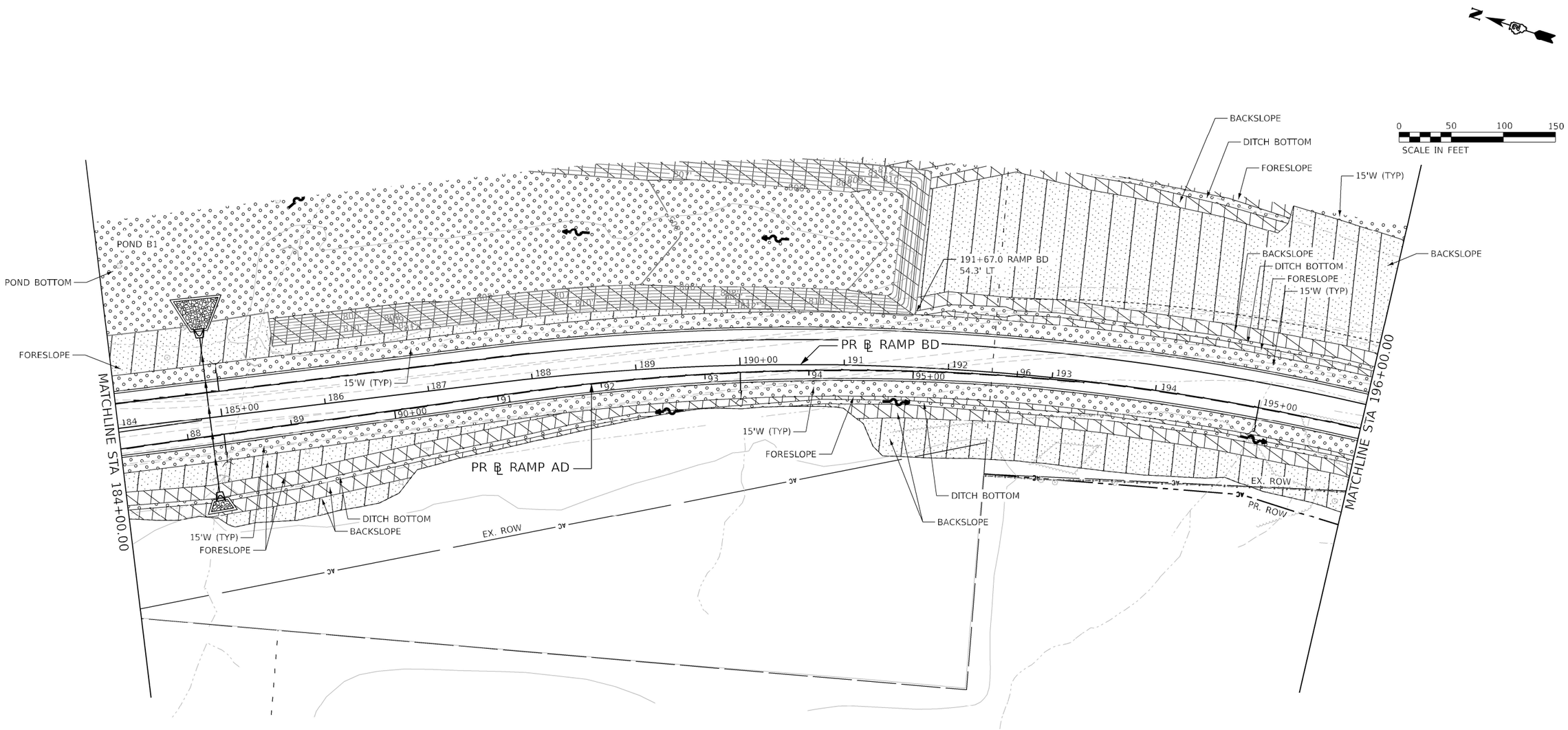
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PLOT SCALE = 100.00000001 ' / in.	CHECKED - RJB	REVISED -
PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 12 OF 25 SHEETS | STA. 172+00.00 | TO STA. 184+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	709
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 12

MODEL: Ramp BD-07 Sheet]
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Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 101, Belleville, Illinois 62220
618-233-5077 (fax) 618-233-5077
www.kaskaskia-eng.com
PROFESSIONAL REGISTRATIONS — LICENSE NOS
Illinois Professional Design Firm — 184.006773
Professional Engineering Group — 20-5010586

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
	DRAWN - SRS	REVISED -	
PLOT SCALE = 100.00000001 ' / in.	CHECKED - RJB	REVISED -	
PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

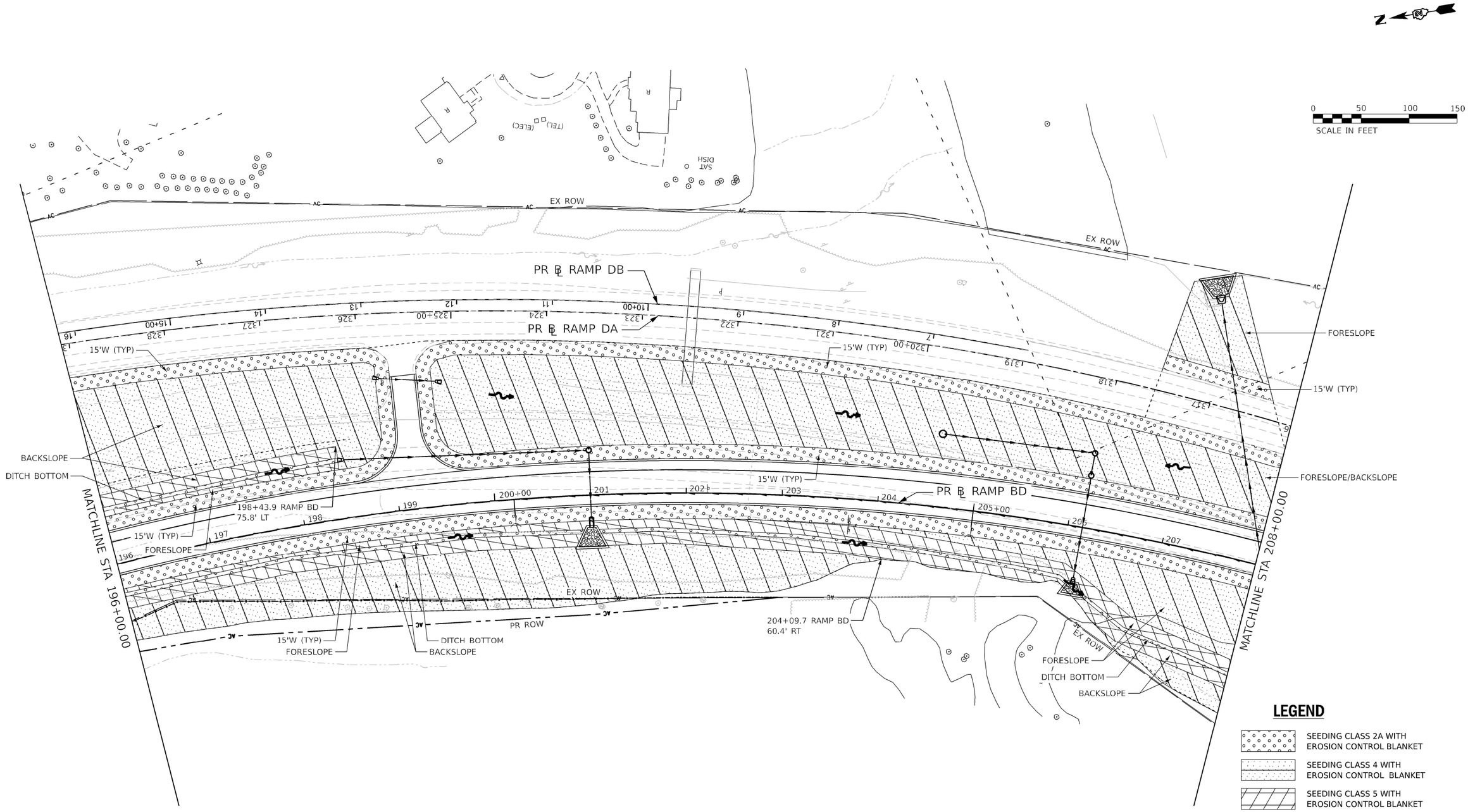
LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 13 OF 25 SHEETS | STA. 184+00.00 | TO STA. 196+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	710

CONTRACT NO. 64B13

ILLINOIS | FED. AID PROJECT



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 11

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.004771
Professional Engineering Group: 28.5056956
209 E. Main St., Suite 100, Belleville, Illinois 62220
618.233.5675 phone
618.233.5977 fax
www.kaskaskiagroup.com

USER NAME = sshuler	DESIGNED - RJB	REVISED -
	DRAWN - SRS	REVISED -
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

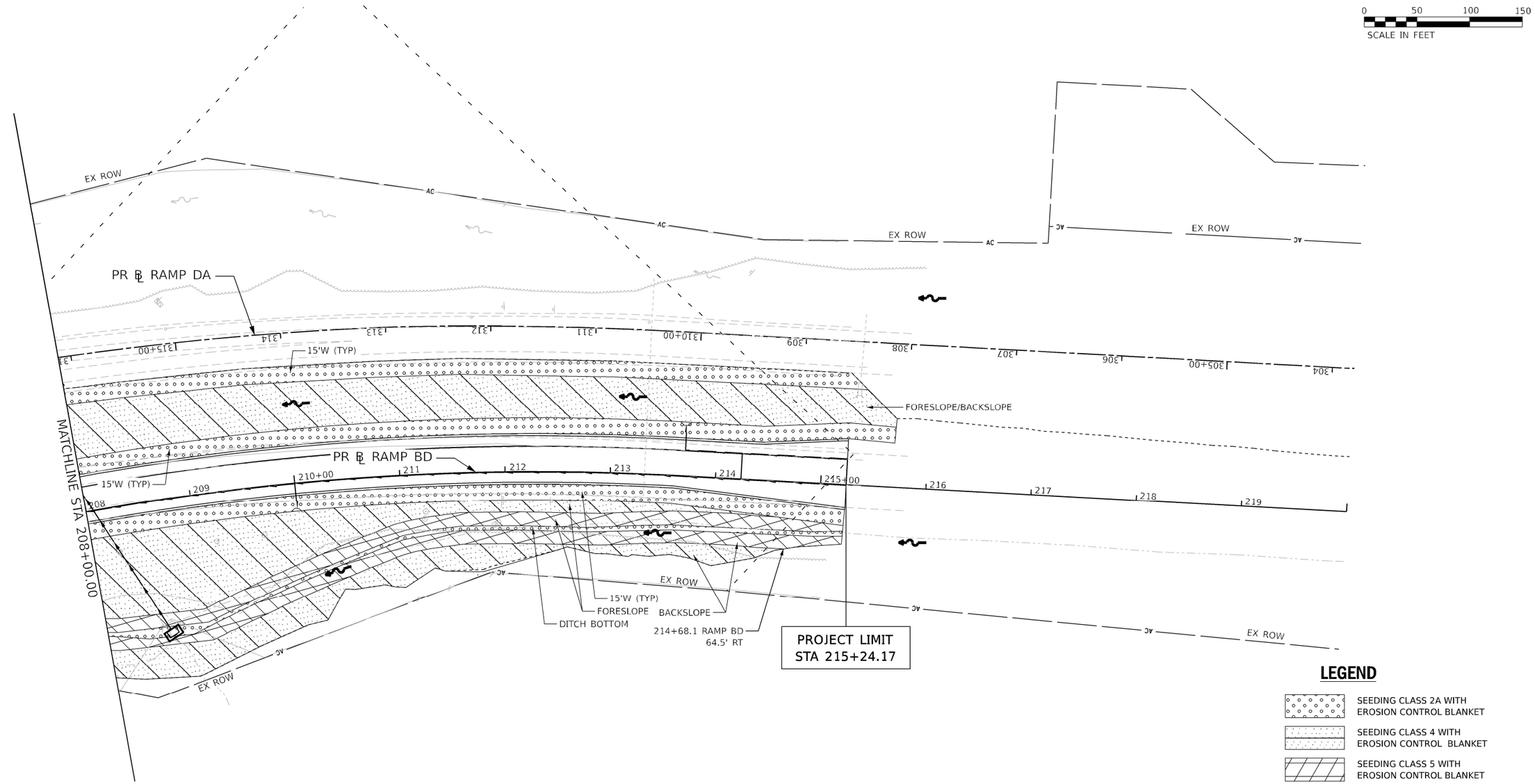
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 14 OF 25 SHEETS | STA. 196+00.00 | TO STA. 208+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	711
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 10

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group.
LICENSE NOS
184.006773
206.010256

USER NAME = sshuler	DESIGNED - RJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - SRS	REVISED -	
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -	

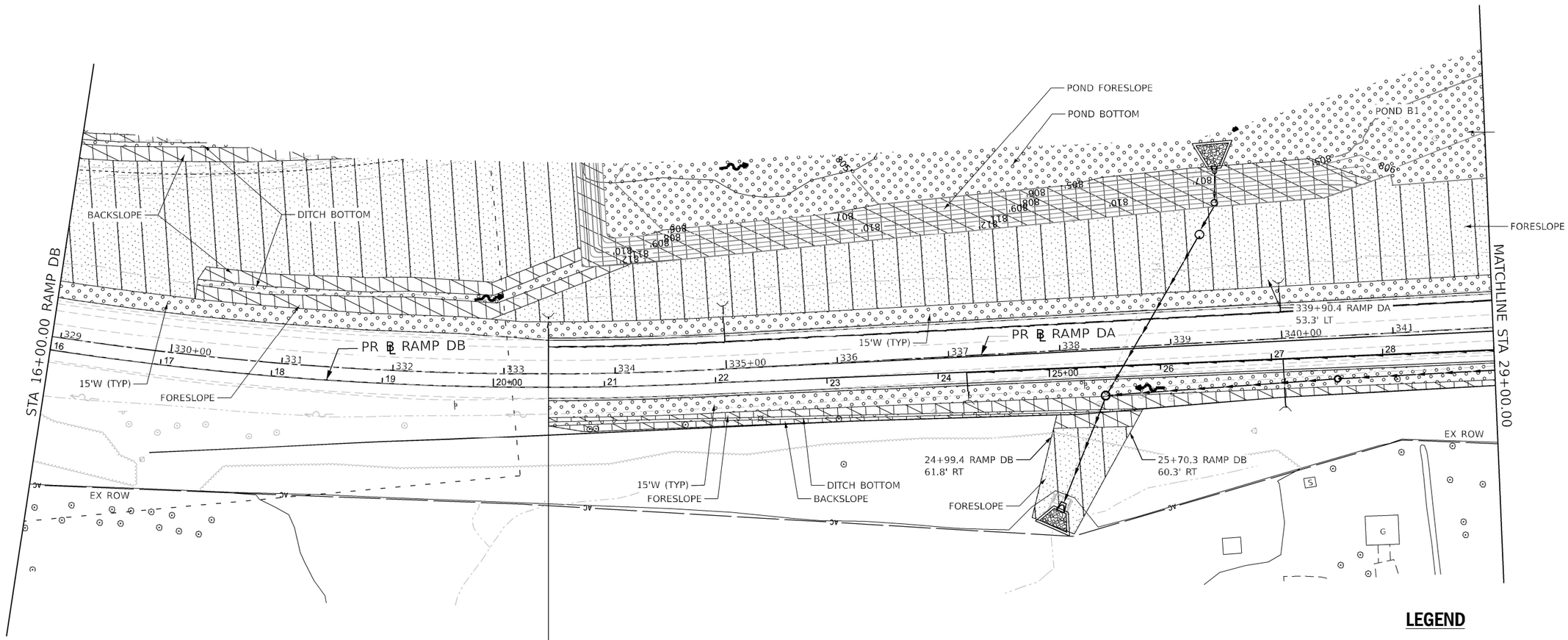
LANDSCAPING PLANS
RAMP BD

SCALE: 1:50 | SHEET 15 OF 25 SHEETS | STA. 208+00.00 | TO STA.215+24.17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	712

CONTRACT NO. 64B13
ILLINOIS | FED. AID PROJECT

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IMPROVEMENT BEGINS - I-39 / US 20
STA 333+40.02

LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 12/21

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 330, Belleville, Illinois 62220
618.233.5077 (fax) 618.233.5971 (fax)
www.kaskaskiaeg.com
PROFESSIONAL REGISTRATIONS — LICENSE NOS.
Illinois Professional Design Firm — 184.006773
Professional Engineering Group — 20-5010556

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	DRAWN - SRS	REVISED -	
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -	

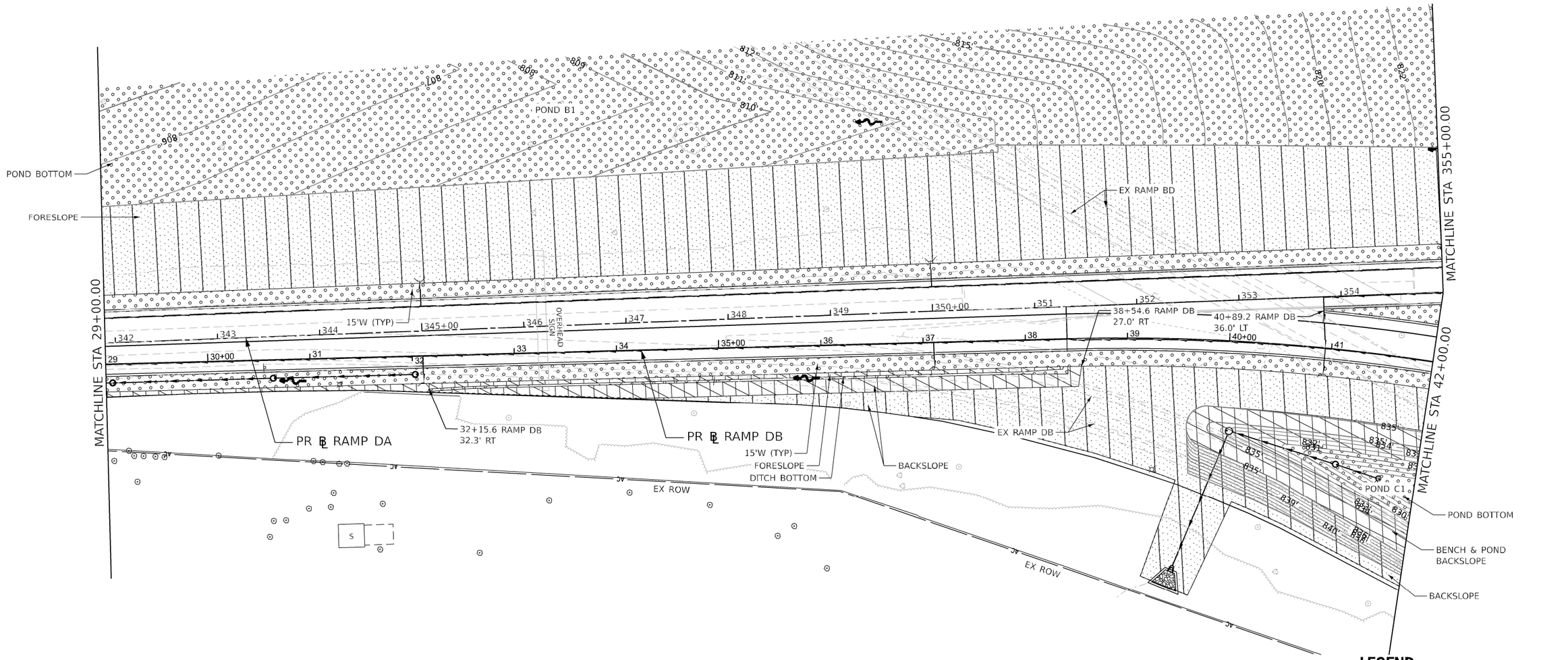
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP DA/DB

SCALE: 1:50 | SHEET 16 OF 25 SHEETS | STA. 20+49.66 | TO STA. 29+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	713
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 13/22

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm — 184.006771
Professional Engineering Group — 20-5705556
200 E. Main St., Suite 101, Belleville, Illinois 62220
618.233.5077 (fax) 618.233.5077 fax
www.kaskaskia.com

USER NAME = sshuler	DESIGNED - RJB	REVISED -
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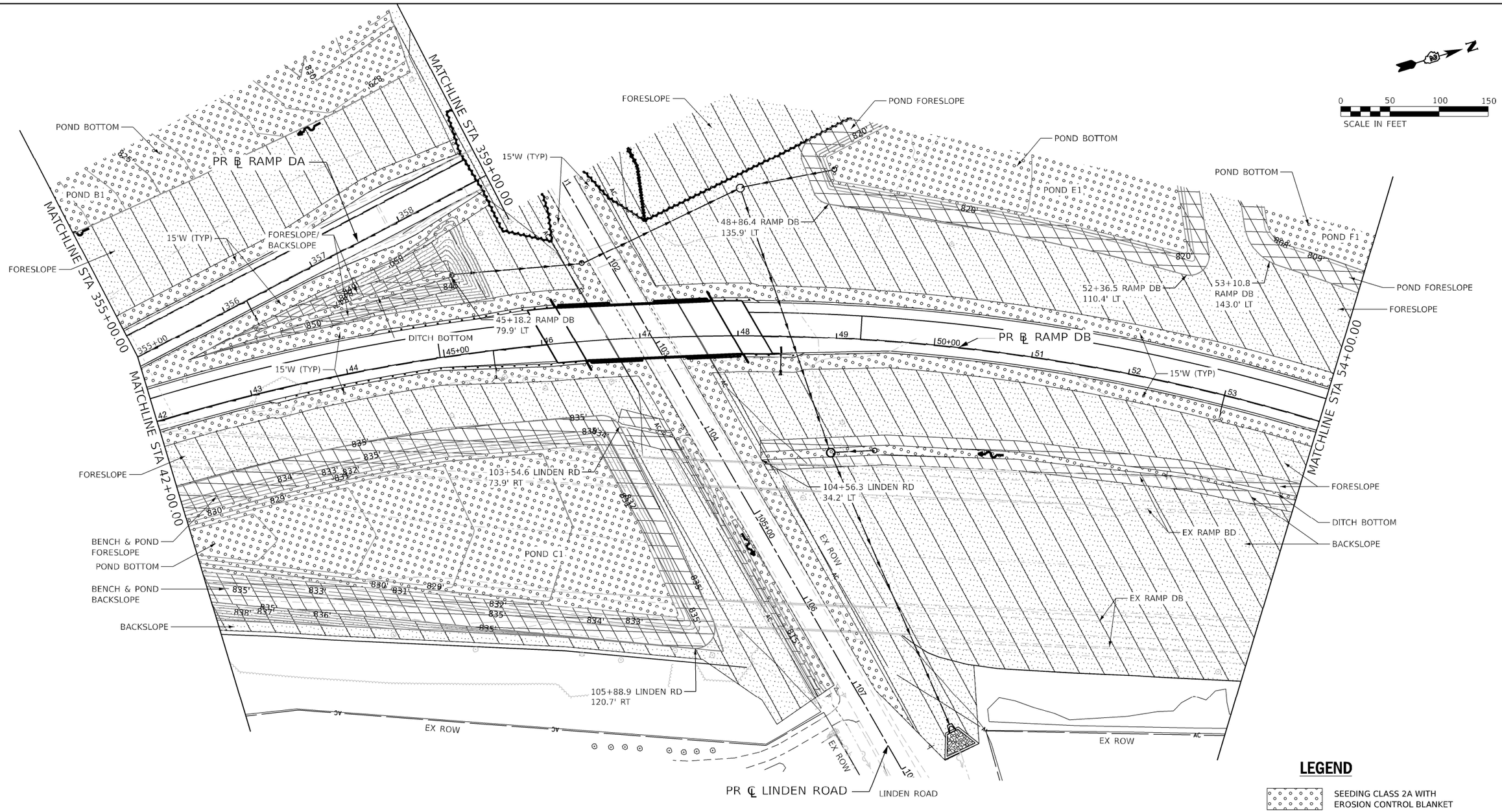
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP DA/DB

SCALE: 1:50 | SHEET 17 OF 25 SHEETS | STA. 29+00.00 | TO STA. 42+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	714
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 15/23

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 101
Belleville, Illinois 62220
618.233.5077 phone
618.233.5971 fax
www.kaskaskiaeng.com
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm 184.004774
Professional Engineering Group 20-5010566

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	DRAWN - SRS	REVISED -	
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -	

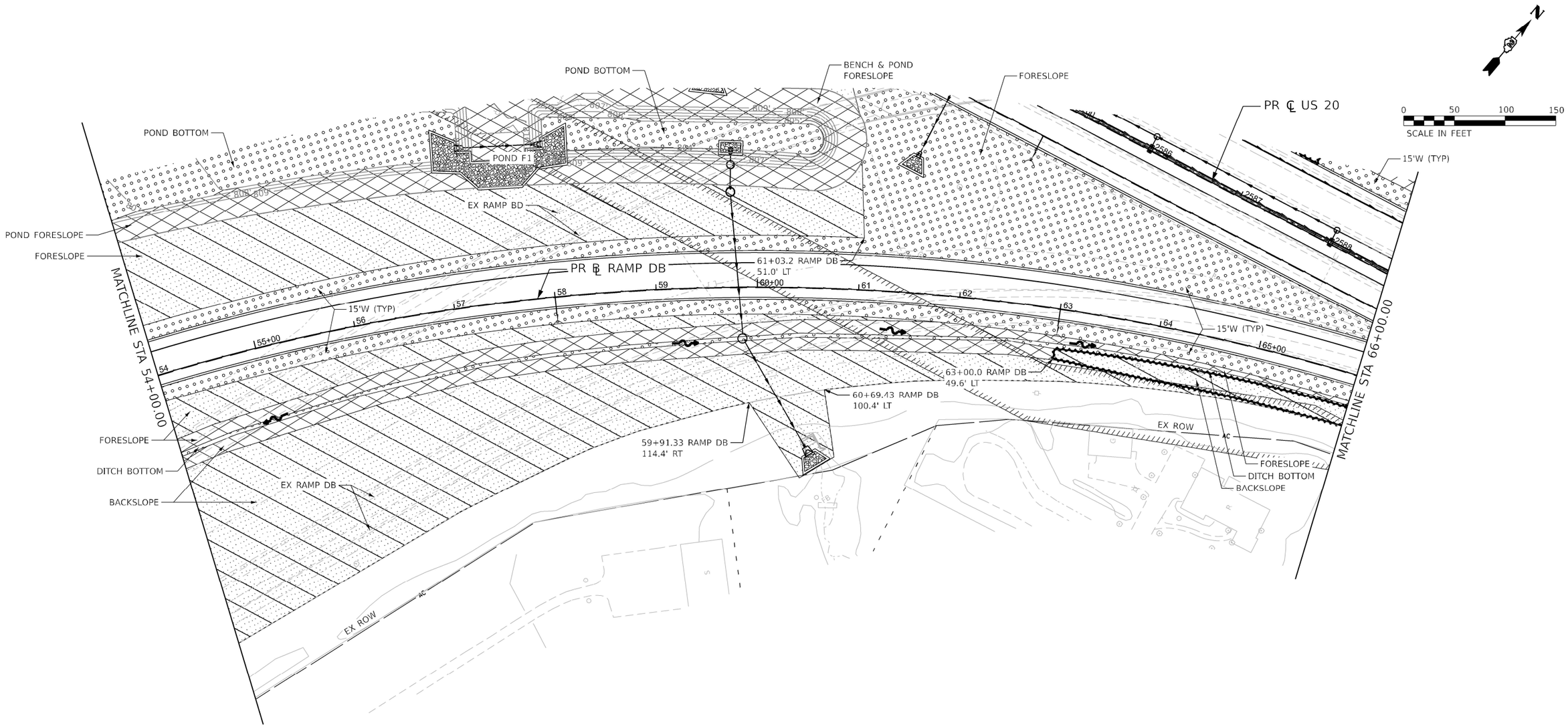
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP DB

SCALE: 1:50 | SHEET 18 OF 25 SHEETS | STA. 42+00.00 | TO STA. 54+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	715
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 15

Kaskaskia Engineering Group, LLC
208 E. Main St., Suite 330, Salem, Illinois 62881
618.235.5077 phone
www.kaskaskia.engineering
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.006772
Professional Engineering Group: 26.5500506
LICENSE NOS

USER NAME = sshuler	DESIGNED - RJB	REVISED -
	DRAWN - SRS	REVISED -
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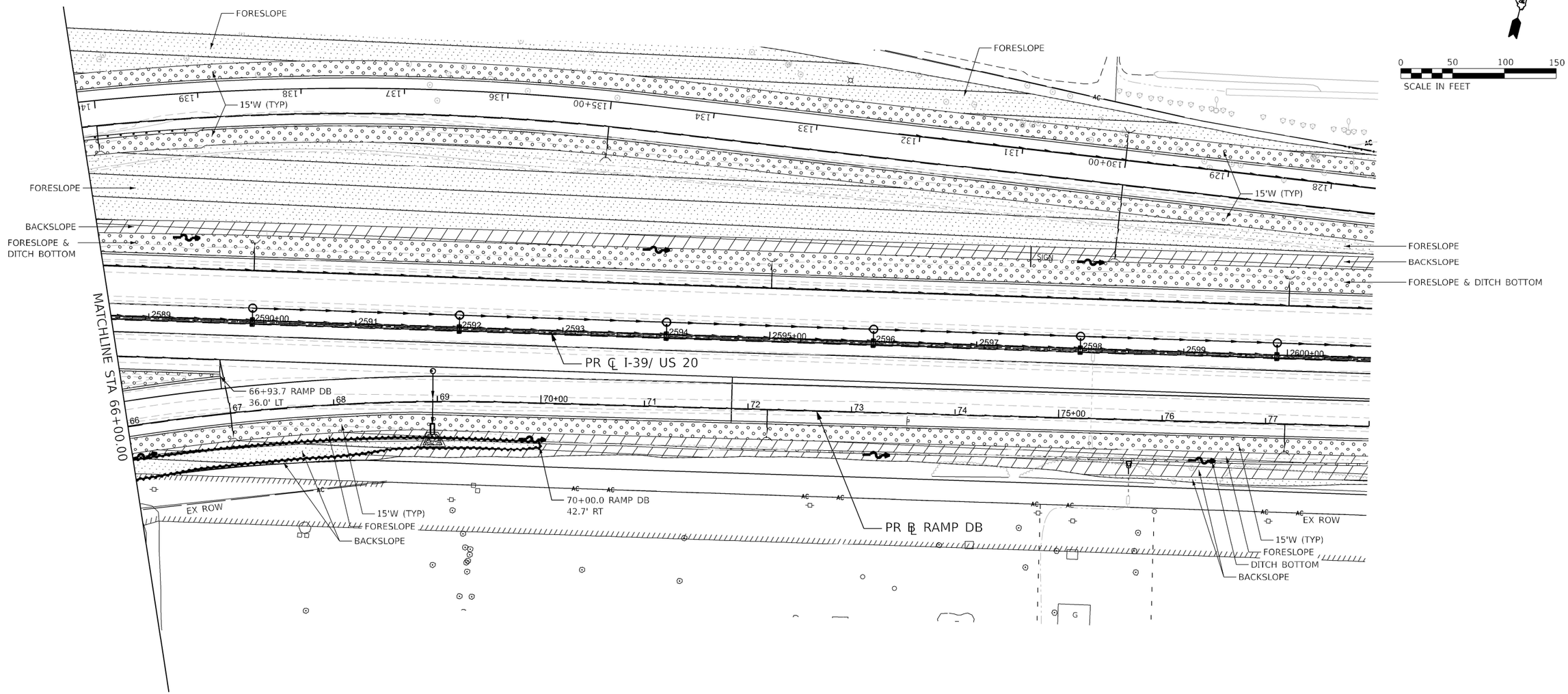
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP DB

SCALE: 1:50 | SHEET 19 OF 25 SHEETS | STA. 54+00.00 | TO STA. 66+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	716
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 16/17

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 330, Salem, Illinois 62881
618.233.5077 phone
618.233.5037 fax
www.kaskaskia.engineering
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.006772
Professional Engineering Group: 26.5500056
LICENSE NO.

USER NAME = sshuler	DESIGNED - RJB	REVISED -
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
RAMP DB

SCALE: 1:50 | SHEET 20 OF 25 SHEETS | STA. 66+00.00 | TO STA. 2602+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	717
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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0 50 100 150
SCALE IN FEET



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 23

MODEL: LIN PLAN 01 Sheet]
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Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.004771
Professional Engineering Group: 28.5050056
209 E. Main St., Suite 100, Belleville, Illinois 62220
618.233.5675 phone
618.233.5577 fax
www.kaskaskia.group

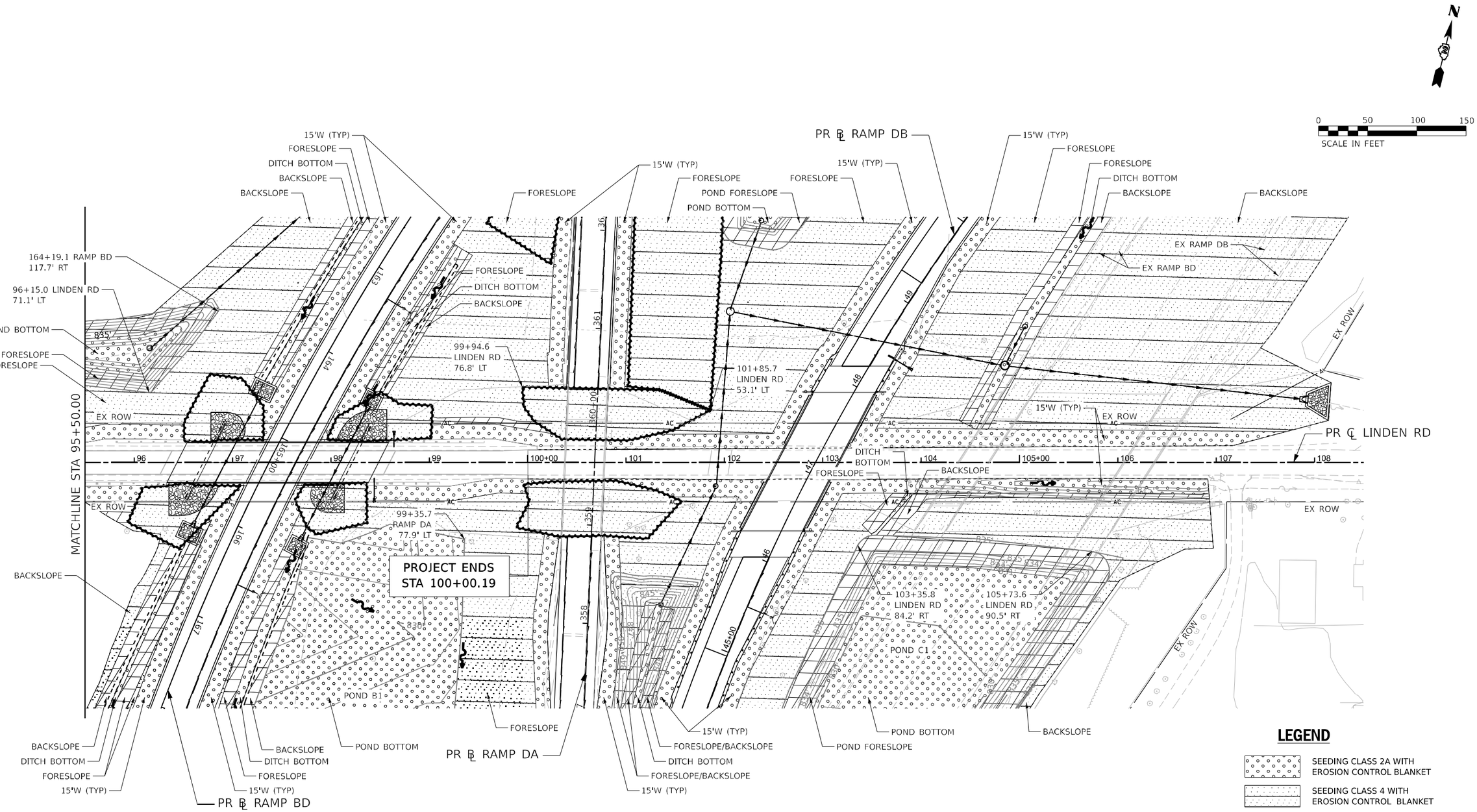
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
LINDEN ROAD

SCALE: 1:50 | SHEET 21 OF 25 SHEETS | STA. 92+55.29 | TO STA. 95+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	718
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 24

Kaskaskia Engineering Group, LLC
200 E. Main St., Suite 100
Belleville, Illinois 62220
618.233.5977 phone
618.233.5971 fax
www.kaskaskiaeng.com
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm — 184.008774
Professional Engineering Group — 20-5050066

USER NAME = sshuler	DESIGNED - RJB	REVISED -	
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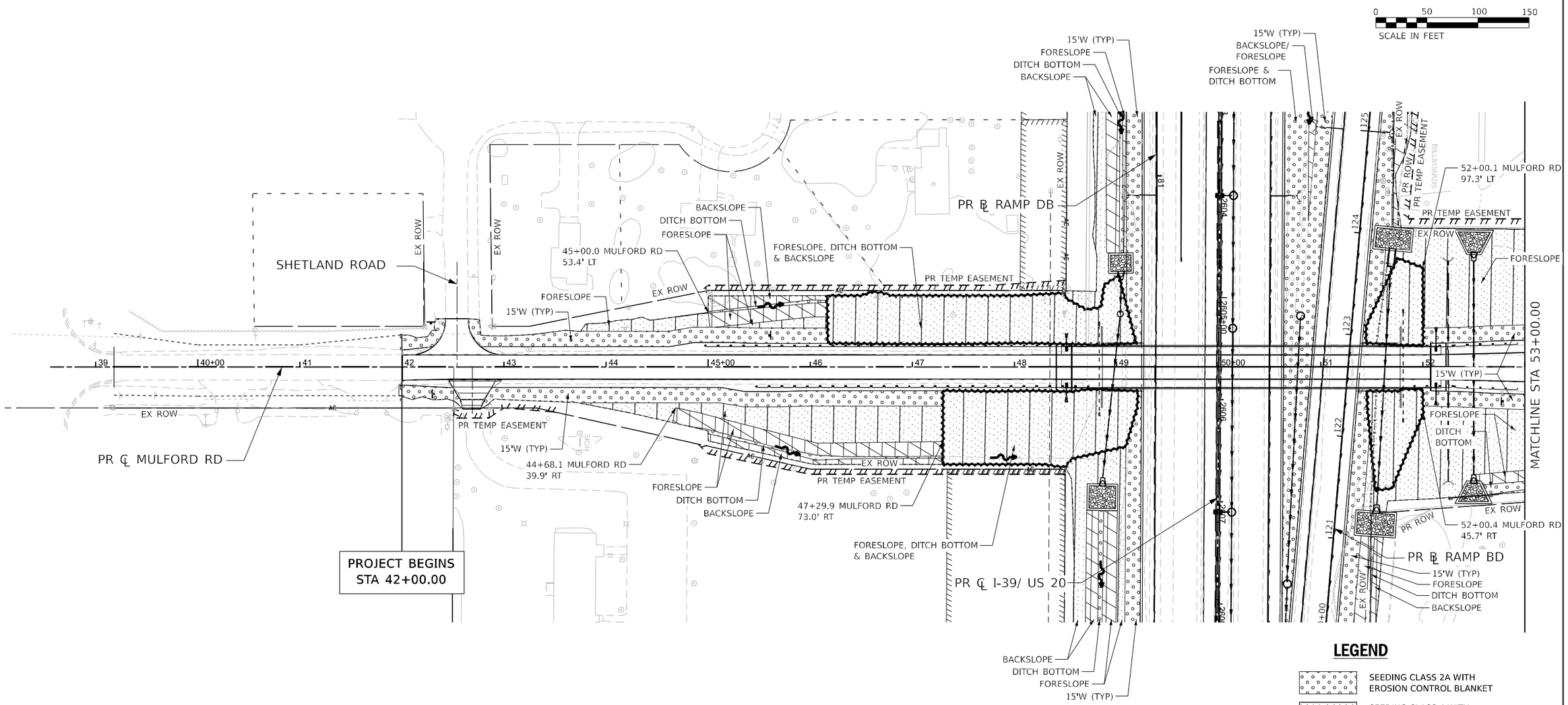
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
LINDEN ROAD

SCALE: 1:50 | SHEET 22 OF 25 SHEETS | STA. 95+50.00 | TO STA. 108+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	719
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 25/26

MODEL: MULFORD PLAN 3 [Sheet]
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Kaskaskia Engineering Group, LLC
209 E. Main St., Suite 100, Belleville, Illinois 62220
618.233.5675 phone
618.233.5955 fax
www.kaskaskiaeng.com
ILLINOIS REGISTRATION
Illinois Professional Design Firm
Professional Engineering Group
184.006771
28.5900066

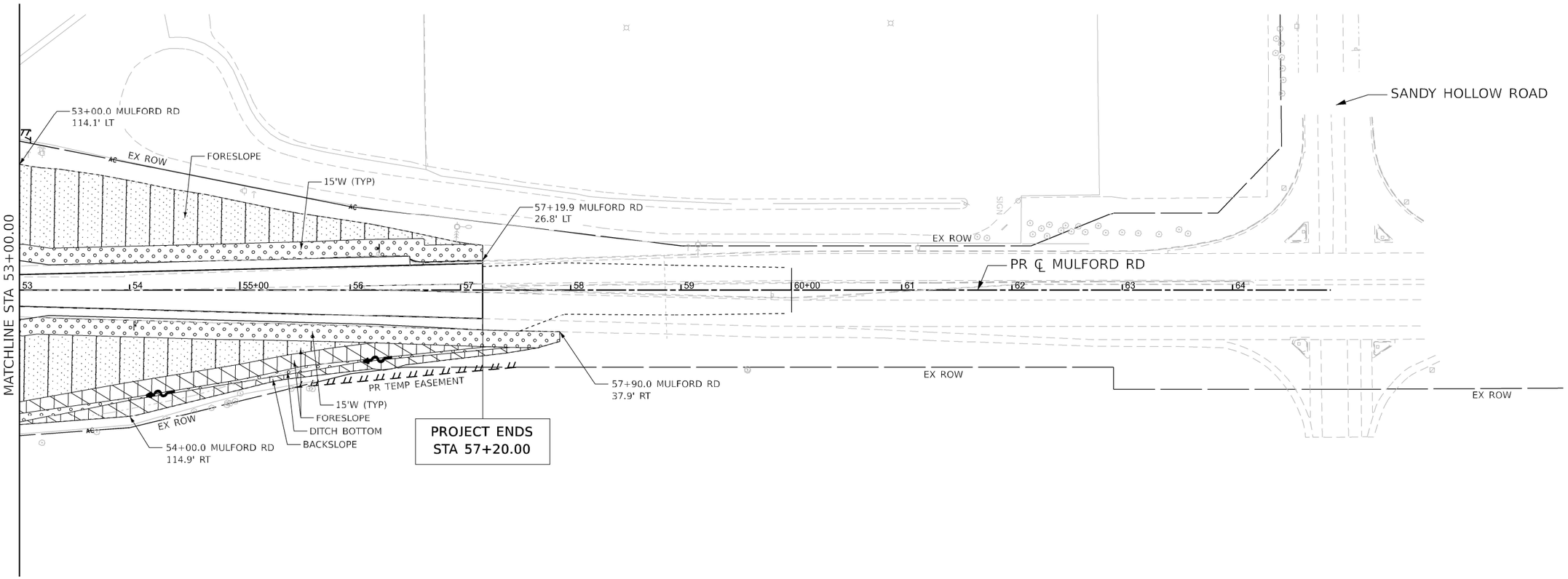
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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
MULFORD ROAD

SCALE: 1:50 | SHEET 23 OF 25 SHEETS | STA. 42+00.00 | TO STA. 53+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	720
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



0 50 100 150
SCALE IN FEET

LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW

KEYPLAN SHEET 27

Kaskaskia Engineering Group, LLC
201 E. Main St., Suite 201, Belleville, Illinois 62220
618.233.5977 phone
618.233.5971 fax
www.kaskaskia.com
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.004773
Professional Engineering Group: 20-5/0/0Sa
LICENSE NOS

USER NAME = sshuler	DESIGNED - RJB	REVISED -
	DRAWN - SRS	REVISED -
PLOT SCALE = 100.000000 ' / in.	CHECKED - RJB	REVISED -
PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
MULFORD ROAD

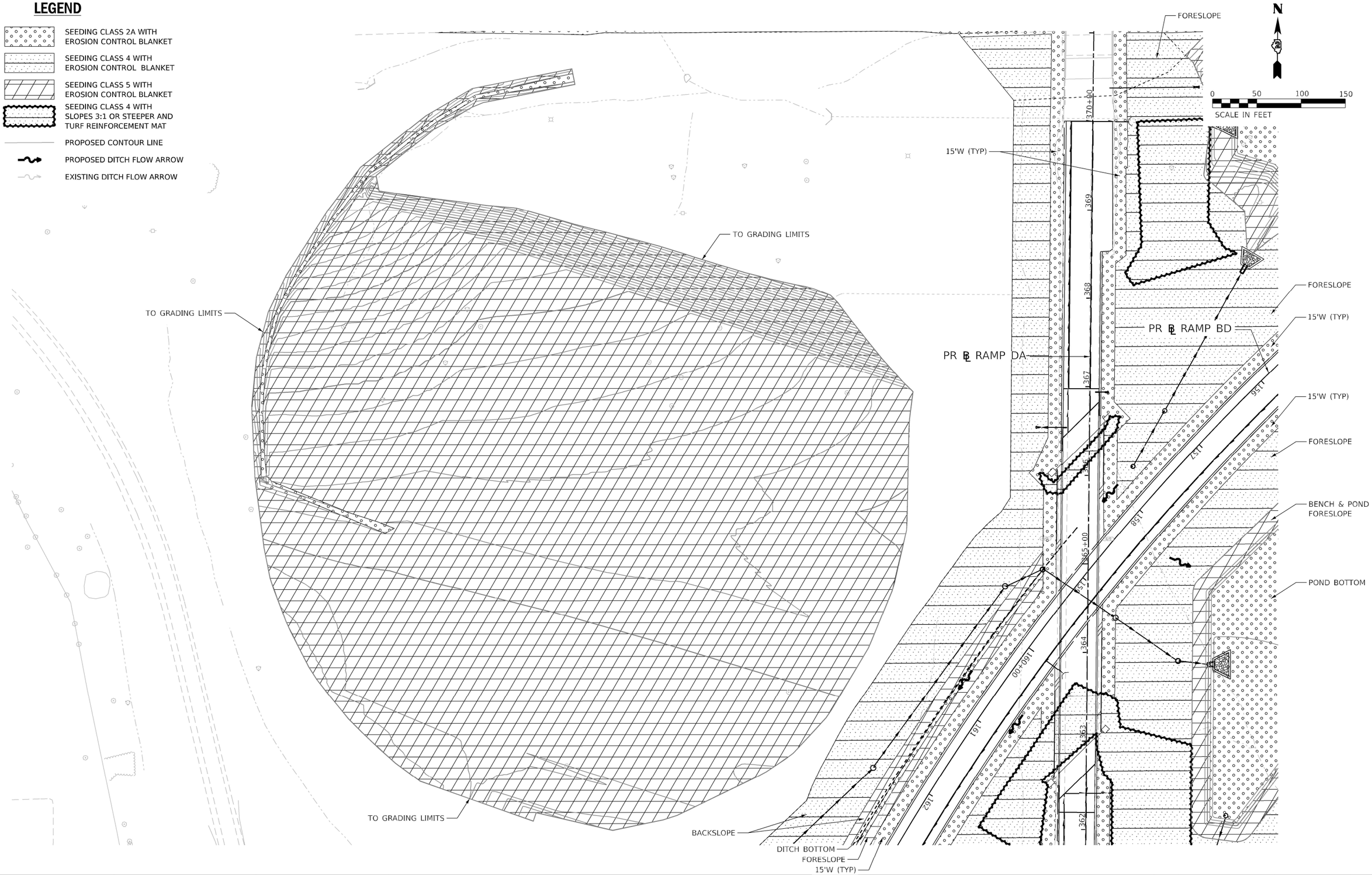
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	721
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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LEGEND

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 5 WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH SLOPES 3:1 OR STEEPER AND TURF REINFORCEMENT MAT
- PROPOSED CONTOUR LINE
- PROPOSED DITCH FLOW ARROW
- EXISTING DITCH FLOW ARROW



MODEL: Borrow Site Plan [Sheet]
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PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm: 184.006771
Professional Engineering Group: 20-5100566
LICENSE NO.

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PLOT DATE = 4/27/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
STOCKPILE SITE

SCALE: 1:50 | SHEET 25 OF 25 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	722
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

ESTIMATED PROJECT LIGHTING QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	248
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	179
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1011
81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	610
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	6177
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"	EACH	10
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"	EACH	2
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"	EACH	10
81300610	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14"x12"x6"	EACH	1
81300986	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8"x24"x10"	EACH	2
81301200	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12"x10"x6"	EACH	1
81603000	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	836
81603022	UNIT DUCT, 600V, 4-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	60
81603034	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3448
81603096	UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 11/4" DIA. POLYETHYLENE	FOOT	13055
81603100	UNIT DUCT, 600V, 4-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 11/4" DIA. POLYETHYLENE	FOOT	12476
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1751
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	23640
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	10655
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	183
82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	8
82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
83003500	LIGHT POLE, ALUMINIUM, 45FT. M.H., 12FT. DAVIT ARM	EACH	139
83003550	LIGHT POLE, ALUMINIUM, 45FT. M.H., 12FT. DAVIT ARM-TWIN	EACH	22
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	99
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8"x6'	EACH	134
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	134
84200600	REMOVAL OF LIGHTING UNIT	EACH	4
84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	11
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	3
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	11
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL. MO.	15

LIGHTING LEGEND

- PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
- PROPOSED JUNCTION BOX, STAINLESS STEEL, TYPE AND SIZE AS NOTED
- PROPOSED LED STREET LIGHT, 45FT. M.H., 12FT. DAVIT ARM WITH METAL HELIX FOUNDATION
- PROPOSED LED STREET LIGHT, 45FT. M.H., 12FT. DAVIT ARM MOUNTED ON BARRIER WALL/BRIDGE PARAPET/RETAINING WALL
- PROPOSED TWIN ARM LED STREET LIGHT, 45FT. M.H., 12FT. DAVIT ARM MOUNTED ON BARRIER WALL/BRIDGE PARAPET/RETAINING WALL
- REM — EXISTING LIGHT TO BE REMOVED
- REM — EXISTING LIGHT TOWER TO BE REMOVED
- REM — EXISTING LIGHTING CONTROLLER TO BE REMOVED
- UNDERPASS LUMINAIRE, 480V
- UNDERGROUND CONDUIT, SIZE AND TYPE AS INDICATED
- CONDUIT IN EMBEDDED IN STRUCTURE
- CONDUIT ATTACHED TO STRUCTURE

CONDUIT /CABLE DESCRIPTION

- (A) NOT USED
- (B) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 8 AND 1/C NO. 8 GROUND
- (C) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC (EMPTY)
- (D) UNDERGROUND CONDUIT, PVC, 2" DIA., WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6, 4-1/C NO. 8, 1/C NO. 6 GROUND AND 1/C NO. 8 GROUND
- (E) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6 AND 1/C NO. 6 GROUND
- (F) UNDERGROUND CONDUIT, PVC, 3" DIA. (CASING FOR UNIT DUCT)
- (G) UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- (H) UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE
- (I) UNIT DUCT, 600V, 4-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- (J) UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE
- (K) UNIT DUCT, 600V, 4-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (L) NOT USED
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 10 AND 1/C NO. 10 GROUND
- (N) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND
- (O) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 8 AND 1/C NO. 8 GROUND

LIGHT POLE DESIGNATION

3-A-01

- POLE NUMBER
- CIRCUIT
- CONTROL CABINET

ROADWAY LIGHTING GENERAL NOTES

1. CONDUIT SHALL BE 2" PVC SCHEDULE 40, UNLESS OTHERWISE NOTED.
2. ALL CONDUIT CASINGS FOR CROSSING ROADWAYS SHALL BE SCHEDULE 80, UNLESS OTHERWISE NOTED.
3. THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE, JUNCTION BOX, AND TO THE GROUND ROD AT THE SERVICE INSTALLATION. IN AREAS WHERE MULTIPLE CIRCUIT CONDUCTORS SHARE A COMMON CONDUIT, A COMMON EQUIPMENT GROUND SHALL BE UTILIZED.
4. THE CONTRACTOR SHALL PROVIDE A ¼" POLY PULL-LINE THROUGH EACH PVC CONDUIT IN WHICH NO CONDUCTORS ARE PLACED IN THIS CONTRACT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR THE CONDUIT SPECIFIED.
5. JUNCTION BOXES OF "SLIGHTLY" LARGER SIZE THAN THOSE SPECIFIED ON THE PLANS MAY BE USED WHEN APPROVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
6. EXISTING AND/OR TEMPORARY LIGHTING UNITS SHALL NOT BE REMOVED UNTIL NEW LIGHTING SYSTEM IS COMPLETELY INSTALLED AND FULLY OPERATIONAL TO THE SATISFACTION OF THE ENGINEER.
7. NOT USED.
8. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
9. ALL REPLACEMENT AND TEMPORARY WIRING SHALL BE AS MENTIONED IN THE PLANS.
10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND / OR TRAFFIC SIGNAL UTILITIES.
11. NO POLES SHALL BE INSTALLED IN THE FLOWLINE OF A DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
12. REMOVAL AND DISPOSAL OF ALL LIGHT POLES AND UNDERPASS LUMINAIRES ATTACHED TO BRIDGE STRUCTURES BEING DEMOLISHED SHALL BE INCLUDED IN THE COST OF ASSOCIATED "REMOVAL OF EXISTING STRUCTURES" PAY ITEM. PLEASE SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
13. STRAIGHT SHAFT MEDIAN LIGHT POLE FOUNDATIONS SHALL BE PAID FOR AS "LIGHT POLE FOUNDATION, 30" DIAMETER".
14. EXPANSION/DEFLECTION COUPLINGS SHALL BE INSTALLED IN ALL LOCATIONS BETWEEN STRUCTURES, AT EXPANSION JOINTS, AND WHERE NECESSARY TO CONTROL MOVEMENT THAT WOULD DAMAGE THE CONDUIT. THE COST OF EXPANSION/DEFLECTION COUPLINGS SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED CONDUIT AS CALLED OUT ON THE PLANS.
15. SEE SHEET 1 OF THE PLANS FOR A LIST OF APPLICABLE HIGHWAY STANDARDS.
16. IN NO INSTANCE SHALL THE CONTRACTOR INSTALL A LIGHT POLE AND/OR LIGHTING CONTROLLER WITHIN 5 FT. OF BACK OF GUARDRAIL POST.

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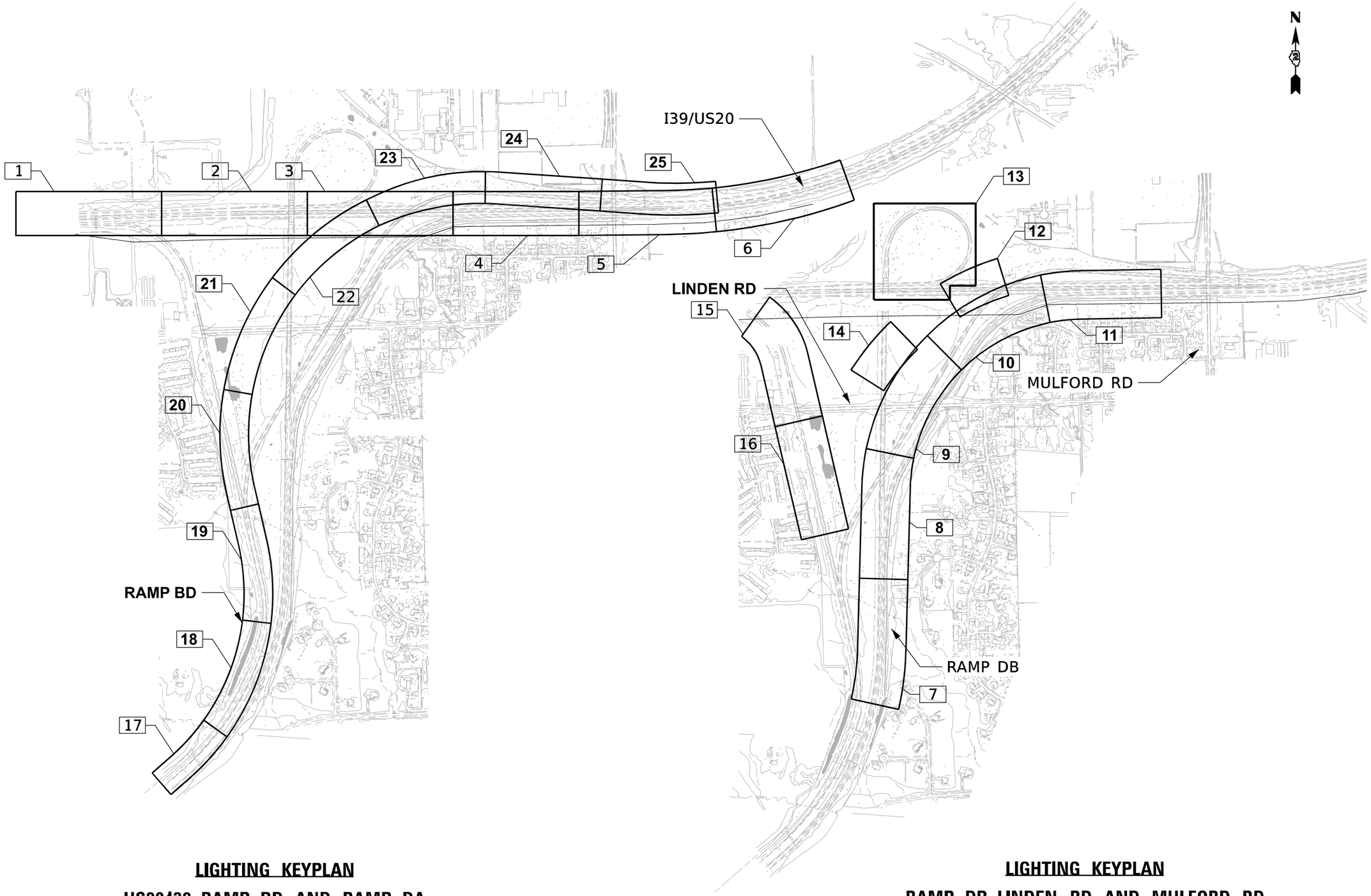
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
GENERAL NOTES AND LEGEND

SCALE: N/A | SHEET 1 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	723
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



LIGHTING KEYPLAN
US20/I39 RAMP BD AND RAMP DA

LIGHTING KEYPLAN
RAMP DB, LINDEN RD AND MULFORD RD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING KEY PLAN

SCALE: N/A | SHEET 2 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	724
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

N

IMPROVEMENT BEGINS - US 20
STA 1137+22.56

IMPROVEMENT BEGINS - RAMP AD
STA 37+27.60

EX ℄ US 20

EX ℄ RAMP AD

1133 1134 1135+00 1136 1137 1138 1139 1140+00 1141 1142 1143 1144 1145+00 1146 1147

33 34 35+00 36 37 38 39 40+00 41 42 43 44 45+00 46 47 48

US 20 BIT

US 20 BIT

OVERHEAD SIGN

REM

REM

CONC

SEE SHEET E-03

NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.

KEYPLAN SHEET 1

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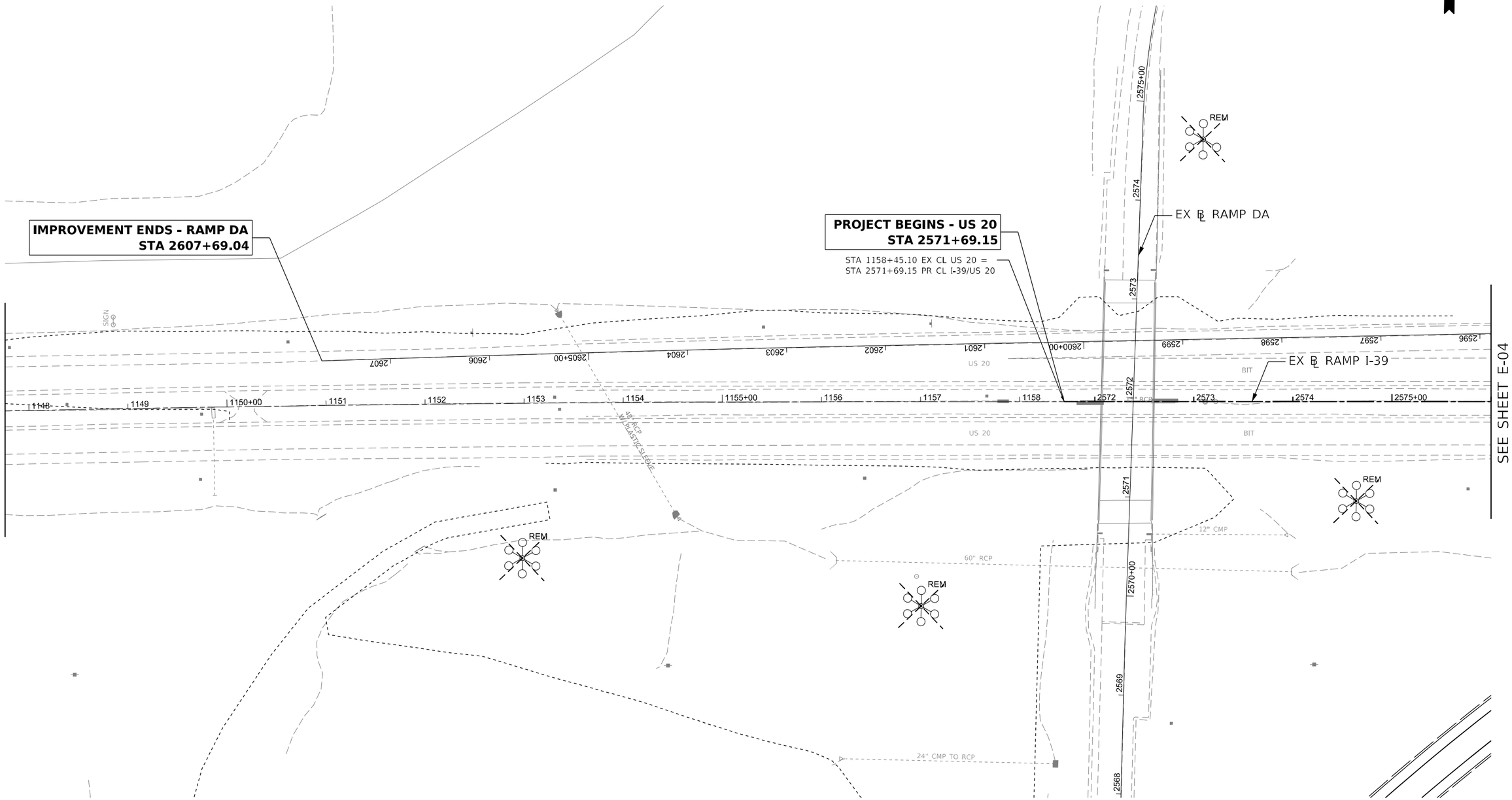
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STATE OF ILLINOIS
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LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 3 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	725
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.

KEYPLAN SHEET 2

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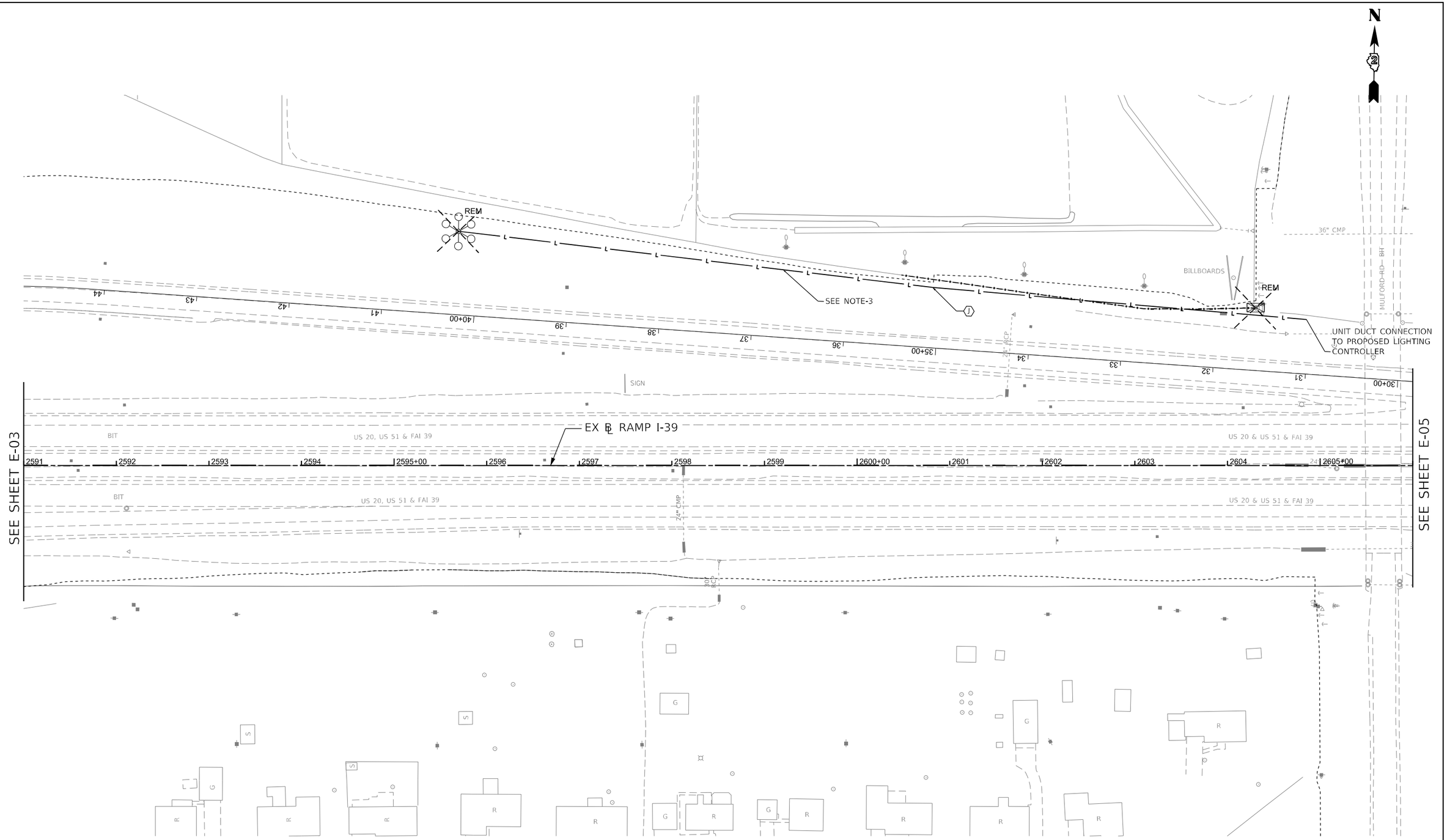
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 4 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.
3. THE PROPOSED UNIT DUCT SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 3B SWITCH OVER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 5 OF 36 SHEETS | STA. | TO STA.

KEYPLAN SHEET 4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	727
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

N

SEE SHEET E-04

12" CMP

36" RCP

OVERHEAD SIGN

REM

SEE NOTE-3

EX ℄ RAMP I-39

FRENCH DRAIN

18" CMP

INV 498' CMP
INV 499' LINER

8" CMP

6" RCP

12" RCP

BILLBOARDS

PROJECT ENDS - I-39 / US 20
STA 2620+83.00

NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.
3. THE LIGHTING TOWER SHALL BE REMOVED PRIOR TO STAGE 3B SWITCH OVER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 6 OF 36 SHEETS | STA. | TO STA.

KEYPLAN SHEET 5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	728
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

N

EX ℄ RAMP AD

EX ℄ RAMP DB

US 51 & FAI 39

CONC

REM

SEE NOTE-3

SEE SHEET E-07

ROCKFORD

NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.
3. PROPOSED CONDUIT SHALL BE INSTALLED AT ELEVATION 809 TO AVOID CONFLICT FROM STAGE 1 CONSTRUCTION AND BED ROCKS.

KEYPLAN SHEET 7

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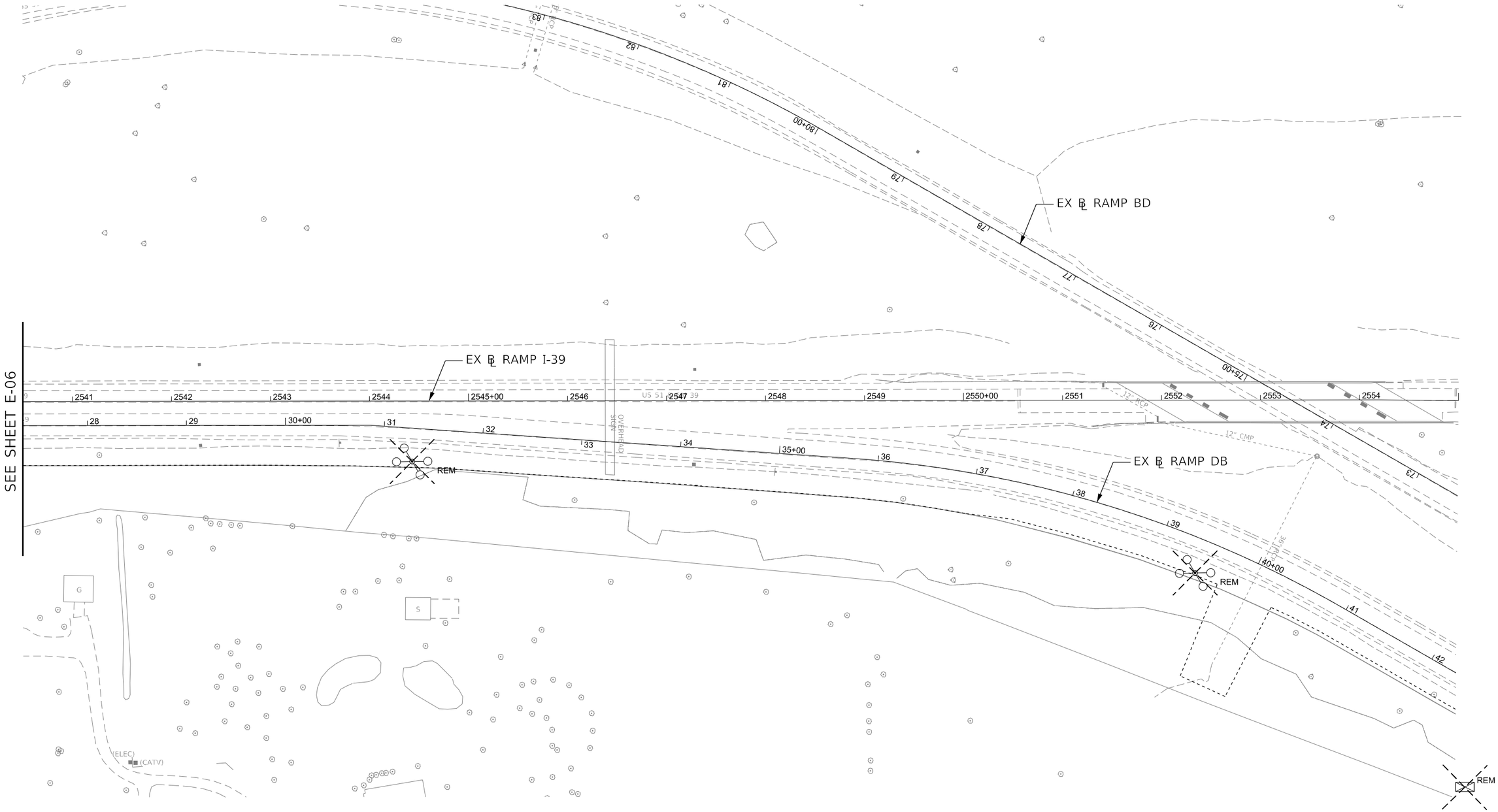
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 7 OF 36 SHEETS | STA. | TO STA.

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39	(201-3)K	WINNEBAGO	2192	729
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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NOTES:
1. SEE SHEET E-01 FOR LEGENDS, ABBREVATIONS AND GENERAL NOTES.
2. EXISTING LIGHTING SHALL BE REMOVED ONLY AFTER PROPOSED LIGHTING IS COMPLETE AND COMMISSIONED UNLESS OTHERWISE NOTED.

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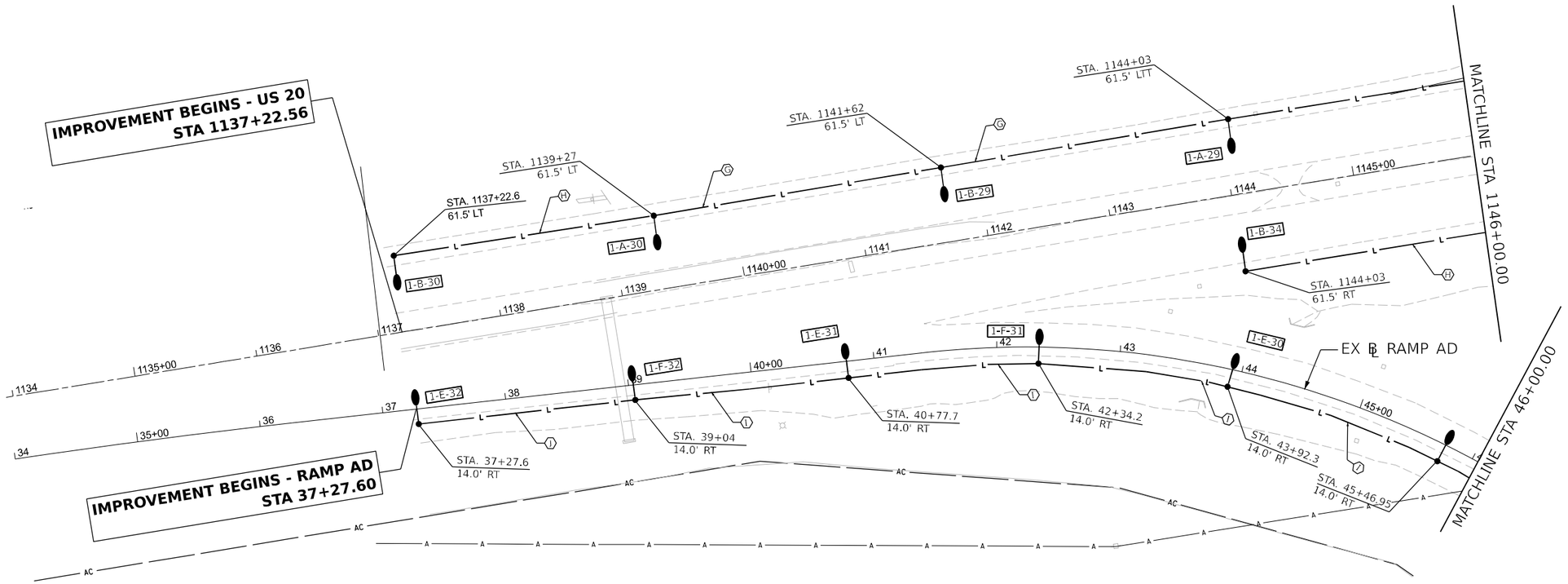
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DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN REMOVALS

SCALE: 1"=20' | SHEET 8 OF 36 SHEETS | STA. | TO STA.

KEYPLAN SHEET 8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	730
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



0 50 100 150

SCALE IN FEET

KEYPLAN SHEET 1

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	DRAWN - R.SCARIA	REVISED -	
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

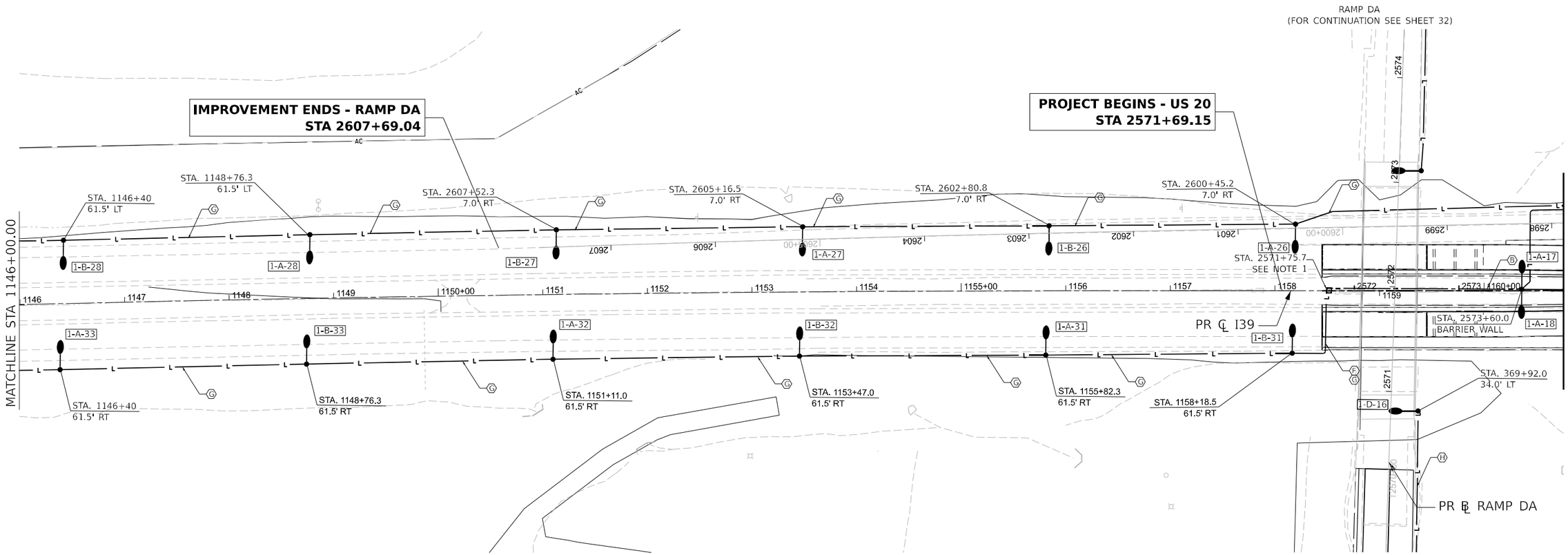
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 9 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	731
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		

MODEL: EX Ramp AD Plan 01 [Sheet]
FILE NAME: pw:\\beneschpw.bentley.com:beneschpw-01\Documents\710800\10800.00\Eng_Docs\CAD_Sheets\Electrical\D2704B13-Sht-Lighting-Plan.dgn



NOTES:

1. INSTALL 8"x24"x10" JUNCTION, STAINLESS STEEL, EMBEDDED IN MEDIAN BARRIER
2. FOR RAMP DA LIGHTING SEE SHEET 31

KEYPLAN SHEET 2

MODEL: I39 PLAN 01 [Sheet]
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\108005\108000.00\Eng_Docs\CAD_Sheets\ElectricalID264B13-Sheet-Lighting-Plan.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 108000.00

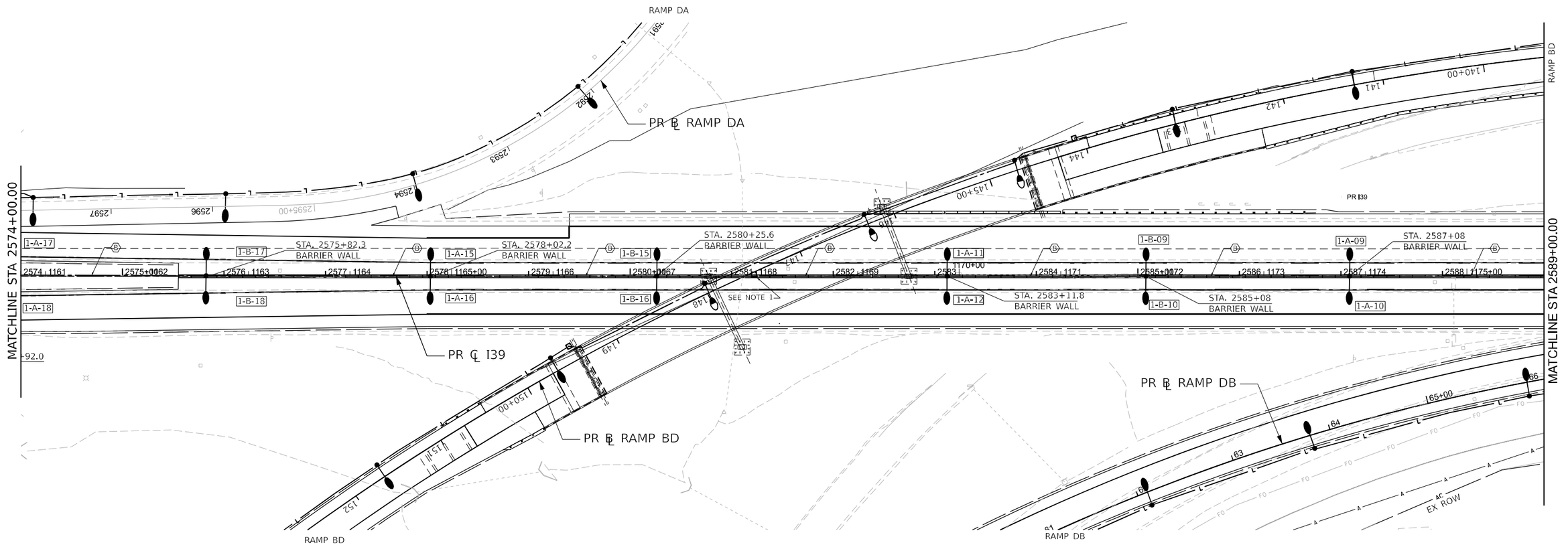
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 10 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	732
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL INSTALL 12"x10"x6" JUNCTION BOX TO FEED UNDERDECK LIGHTING (SEE SHEET-32).
2. SEE SHEET-31 FOR RAMP DA LIGHTING AND SHEET-15 FOR RAMP BD LIGHTING.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 3

MODEL: I39 PLAN-02 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Electrical/D2264B13-sl-pl-Lighting-Plan.dgn

benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

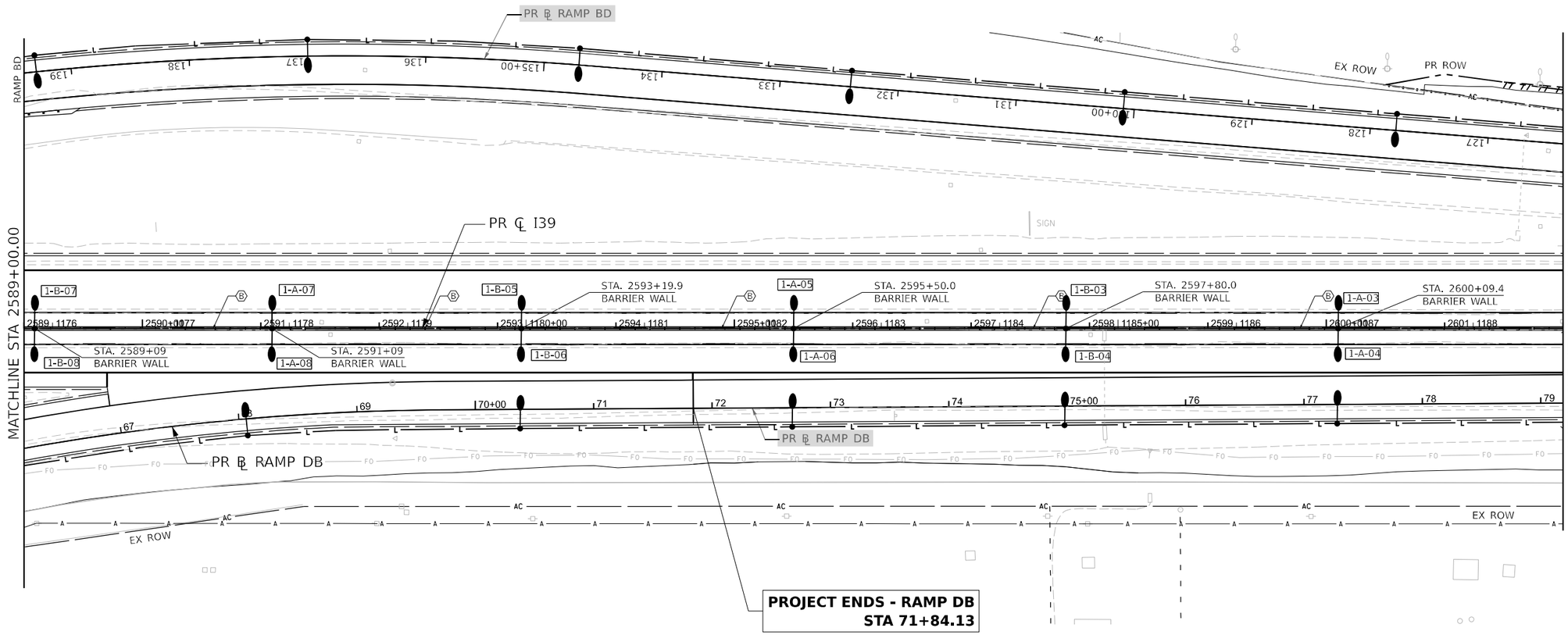
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 11 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	733
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SEE SHEET-26 FOR RAMP DB LIGHTING AND SHEET-15 FOR RAMP BD LIGHTING.

0 50 100 150

SCALE IN FEET

KEYPLAN SHEET 4

MODEL: I39 PLAN-03 [Sheet]
FILE NAME: pw://tenesch-pw.bentley.com:tenesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/ElectricalD264B13-SS-Int-Lighting-Plan.dgn

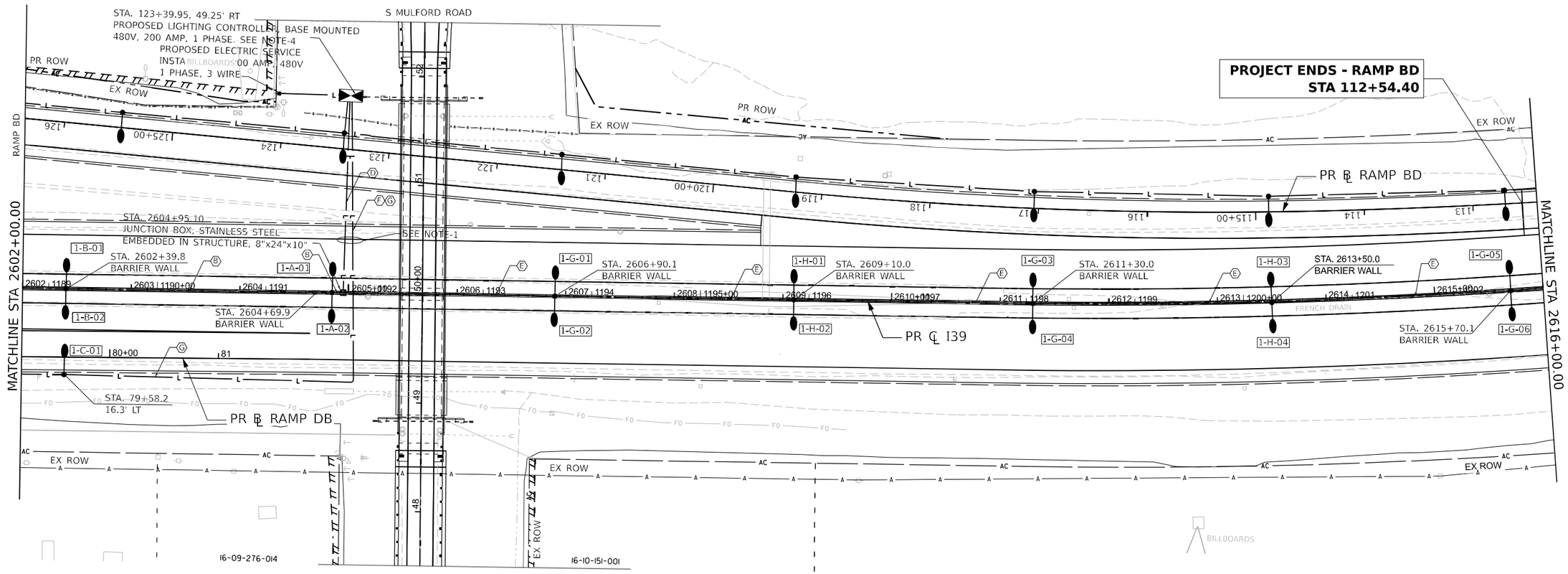
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 12 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	734
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONDUIT SHALL BE INSTALLED IN THE SAME TRENCH, OR BE INSTALLED WITHIN PROXIMITY OF EACH OTHER IF DIRECTIONALLY BORED.
2. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
3. SEE SHEET-26 FOR RAMP DB LIGHTING AND SHEET-15 FOR RAMP BD LIGHTING.
4. LIGHTING CONTROLLER SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 3B SWITCH OVER.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 5

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
PLOT SCALE = 99.999800 ' / in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

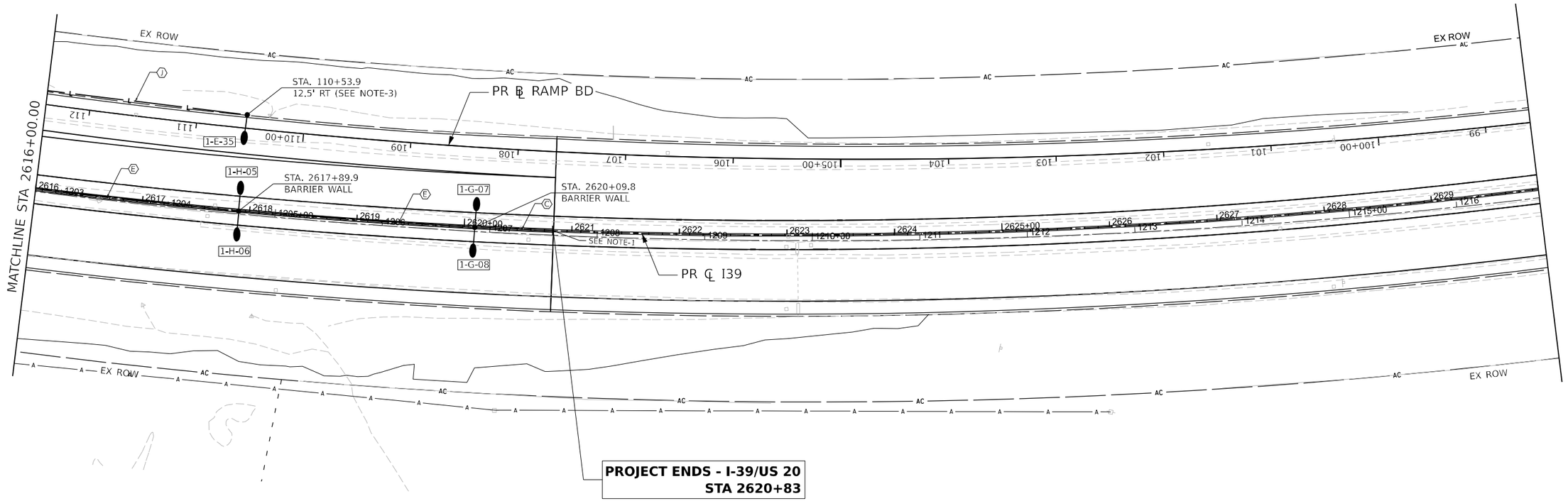
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 13 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	735
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: I39 PLAN-04 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng_Docs/CAD_Sheets/Electrical/D2164B13-Sheet-Lighting-Plan.dgn



NOTES:

1. CAP AND SEAL CONDUIT FOR FUTURE CONNECTIONS.
2. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
3. LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 3B SWITCH OVER.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 6

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
PLOT SCALE = 99.999800 ' / in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

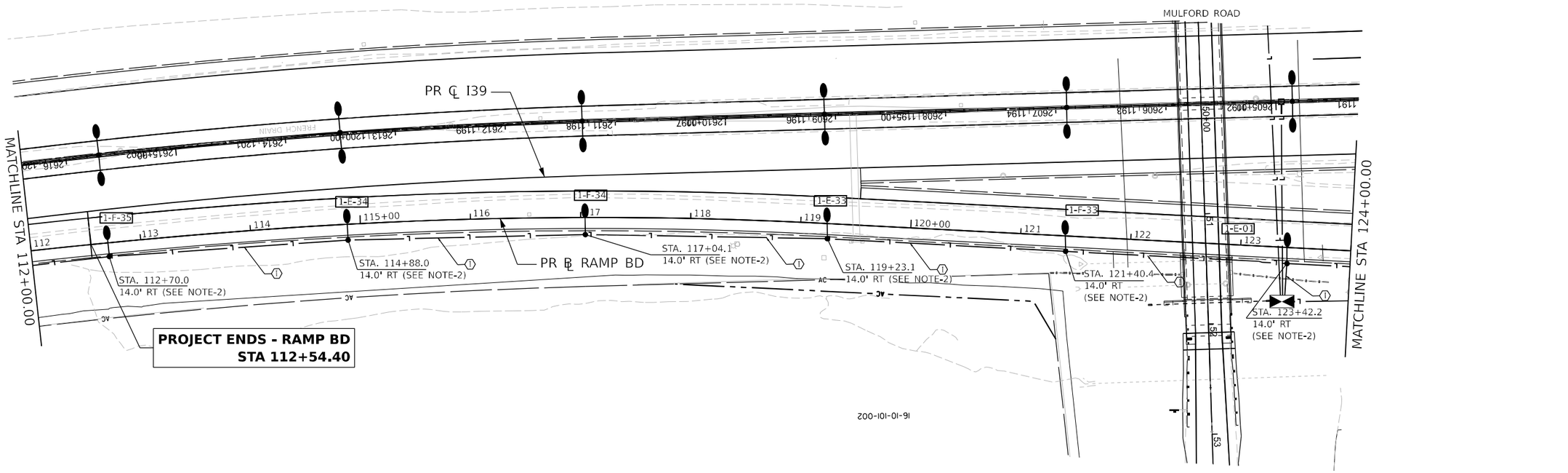
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I-39/US 20

SCALE: 1"=20' | SHEET 14 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	736
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: I39 PLAN-05 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 3B SWITCH OVER.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 25

MODEL: Ramp BD-01 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/108005/10800L00/Eng_Docs/CAD_Sheets/Electrical/D2648133-Sht-H-Lighting-Plan.dgn

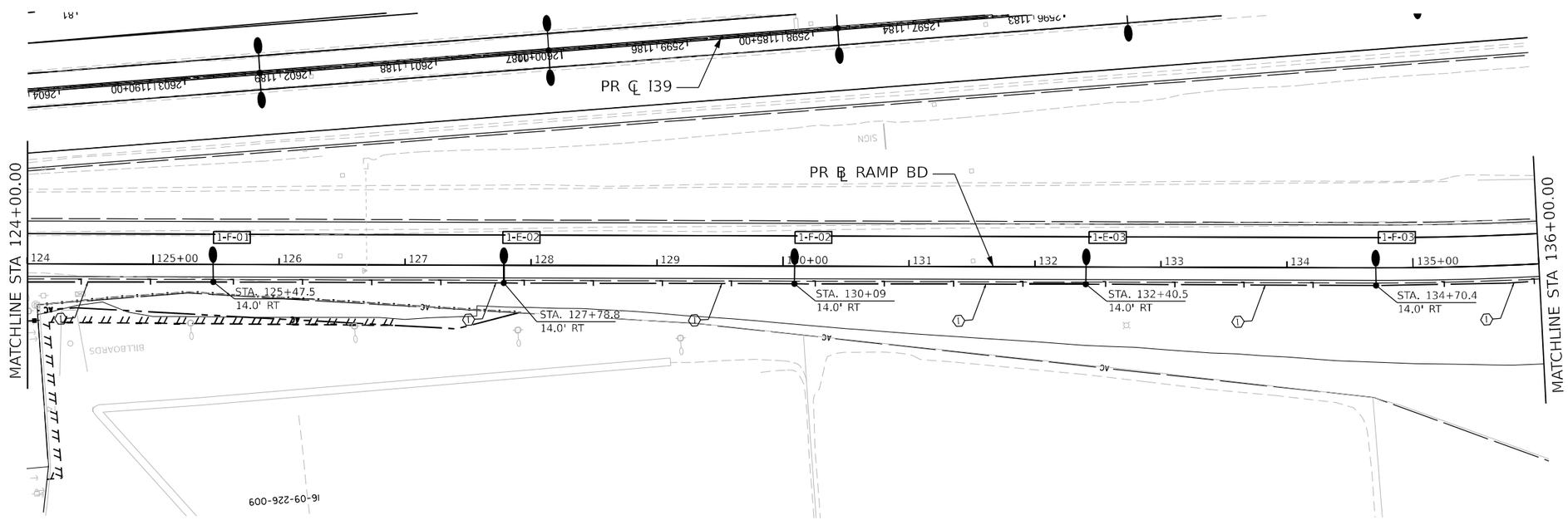
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 15 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	737
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150

SCALE IN FEET

KEYPLAN SHEET 24

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
PLOT SCALE = 99.999800 ' / in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

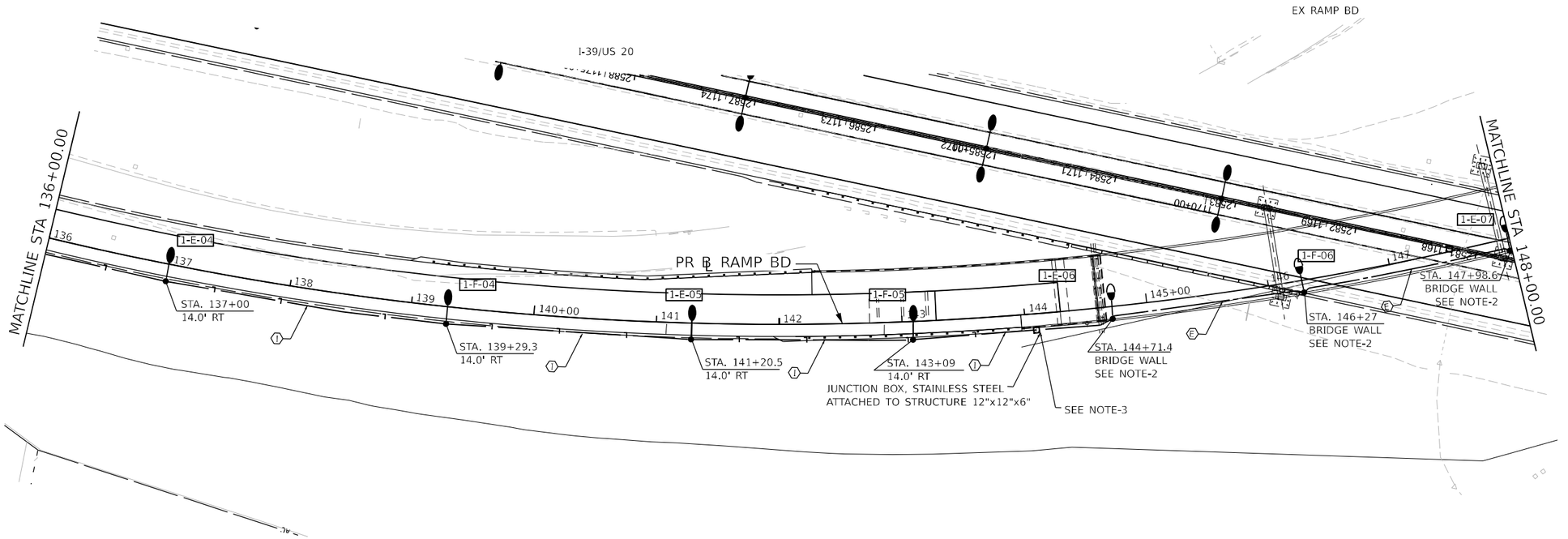
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 16 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	738
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: Ramp BD-02 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. FOUNDATION IS INCLUDED IN THE COST OF BRIDGE SUPERSTRUCTURE. SEE STRUCTURAL PLANS FOR DETAILS.
3. PLEASE REFER TO HIGHWAY STANDARD 812001-01 DETAIL FOR TRANSITION.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 23

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
PLOT SCALE = 99.999800 ' / in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

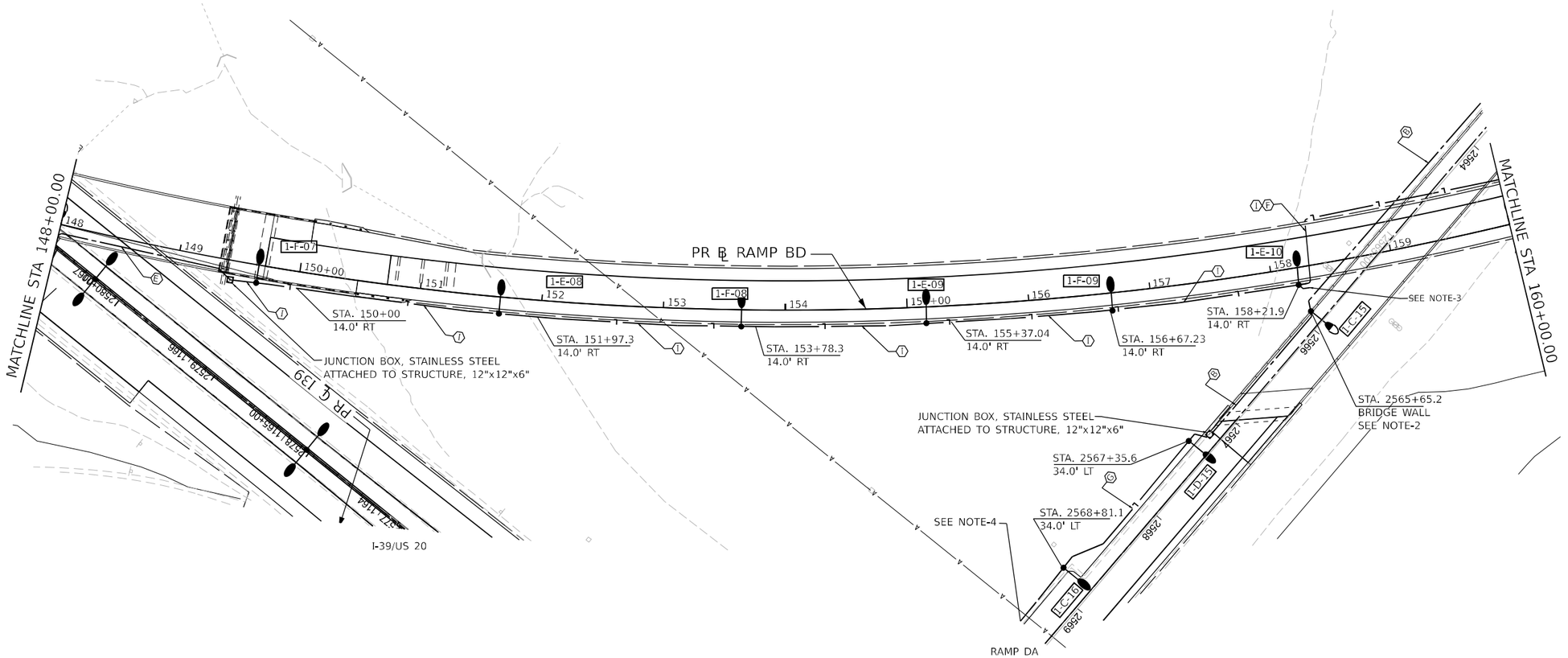
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 17 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	739
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. FOUNDATION IS INCLUDED IN THE COST OF BRIDGE SUPERSTRUCTURE. SEE STRUCTURAL PLANS FOR DETAILS.
3. SEE SHEET-33 FOR CONTINUATION.
4. SEE SHEET-10 FOR RAMP DA CONTINUATION.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 22

USER NAME = tblack	DESIGNED - R,SCARIA	REVISED -
	DRAWN - R,SCARIA	REVISED -
PLOT SCALE = 99.999800 ' / in.	CHECKED - G,THIESSE	REVISED -
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

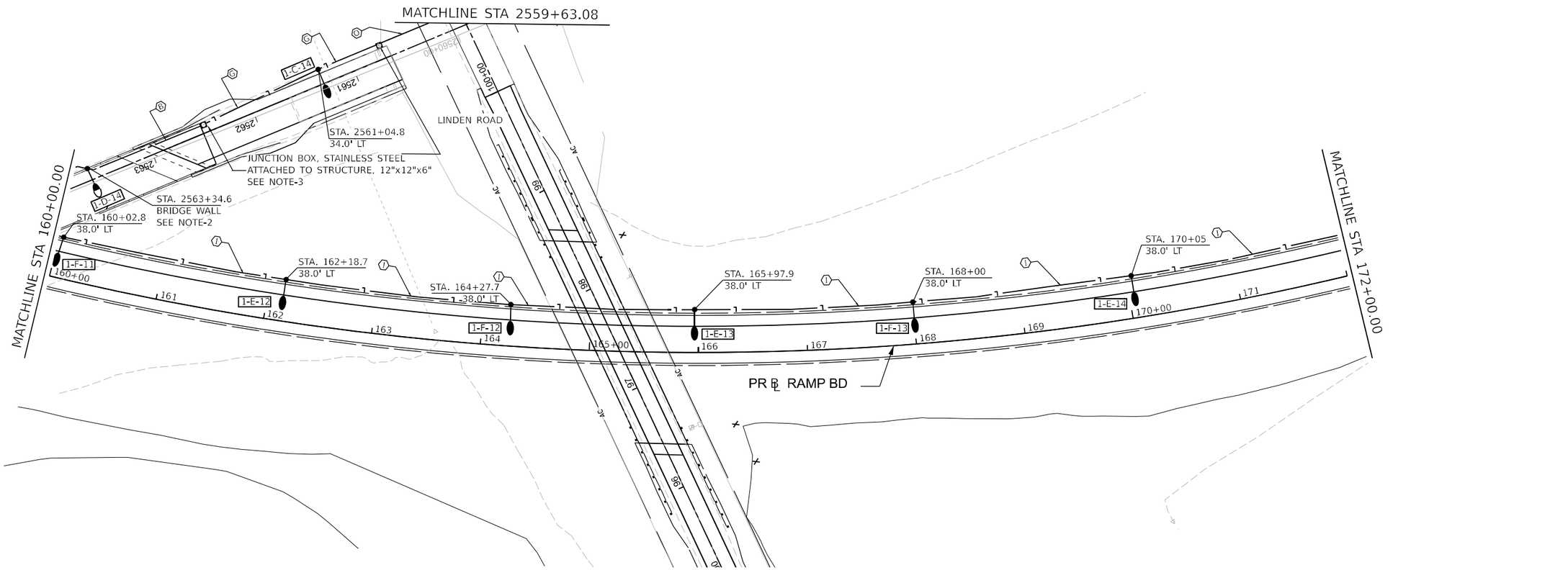
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 18 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	740
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: Ramp BD-04 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. FOUNDATION IS INCLUDED IN THE COST OF BRIDGE SUPERSTRUCTURE. SEE STRUCTURAL PLANS FOR DETAILS.
3. PLEASE REFER TO HIGHWAY STANDARD 812001-01 DETAIL FOR TRANSITION.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 21

USER NAME = tblack	DESIGNED - R,SCARIA	REVISED -
	DRAWN - R,SCARIA	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

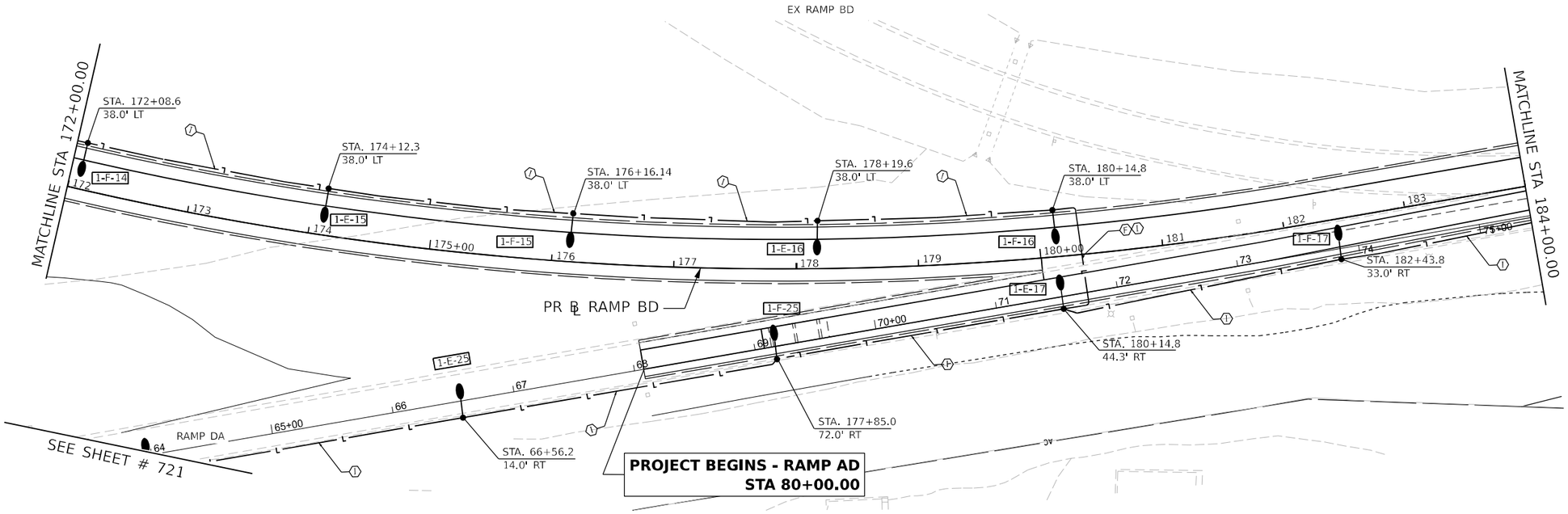
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 19 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	741
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Ramp BD-05 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 20

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -	
	DRAWN - R.SCARIA	REVISED -	
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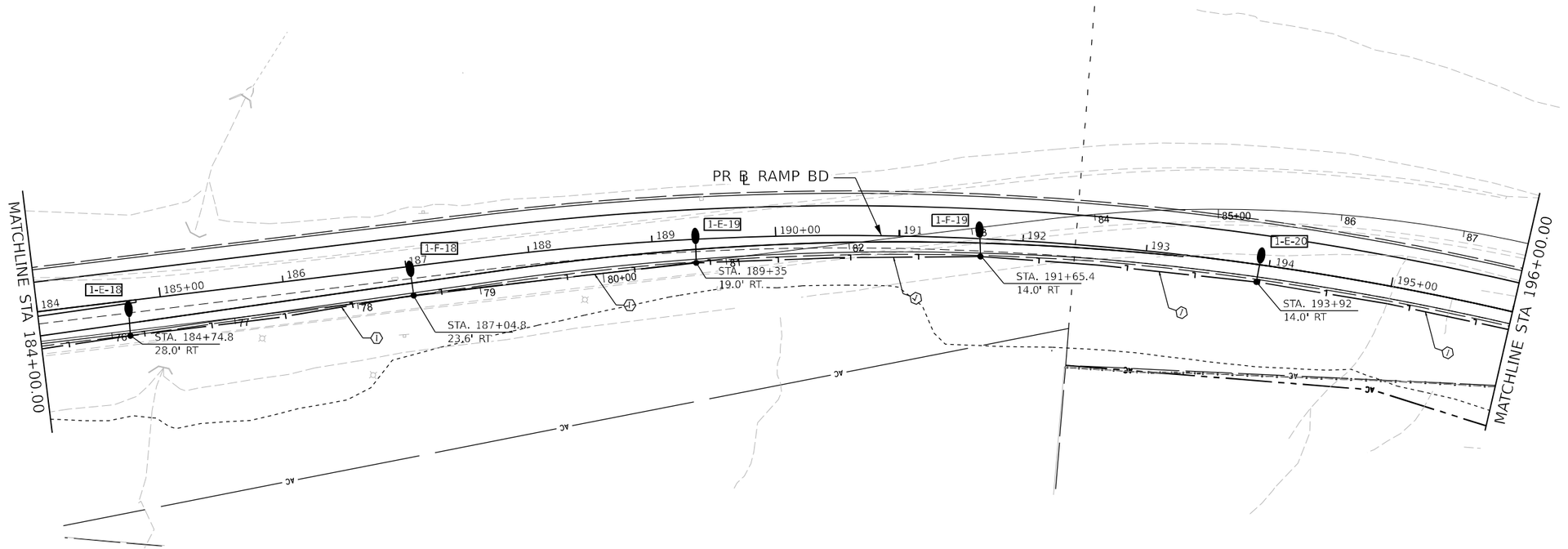
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 20 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	742
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

MODEL: Ramp BD-06 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150

SCALE IN FEET

KEYPLAN SHEET 19

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -	
	DRAWN - R.SCARIA	REVISED -	
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

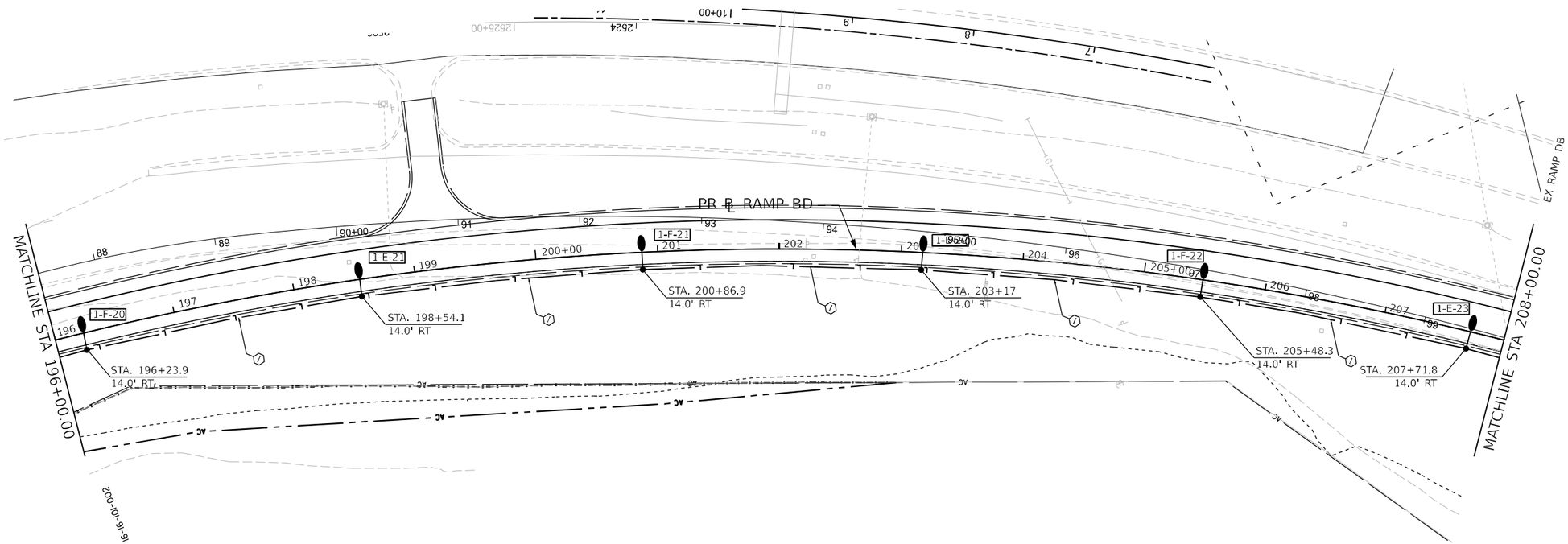
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 21 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	743
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Ramp BD-07 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 18

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

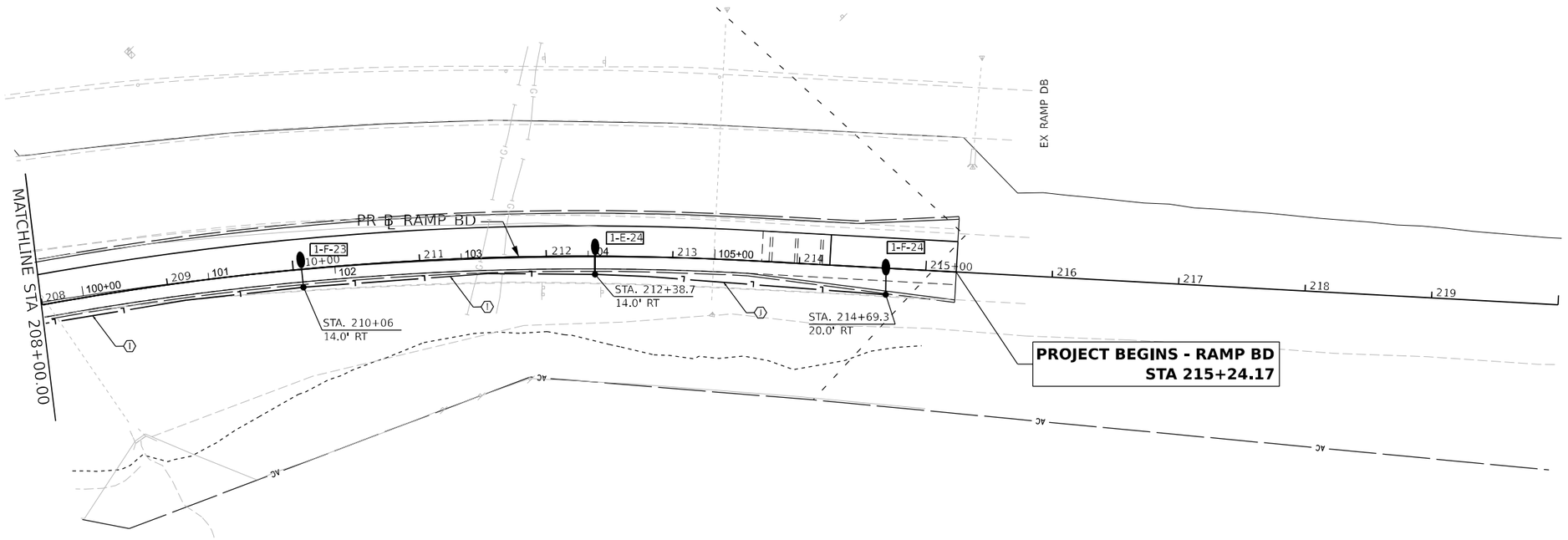
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 22 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	744
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		

MODEL: Ramp BD-08 [Sheet]
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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150

SCALE IN FEET

KEYPLAN SHEET 17

MODEL: Ramp BD-09 [Sheet]
FILE NAME: pw://bmesch-pw.bentley.com:bmesch-pw-01/Documents/10800s/10800s/10800.00/Eng_Docs/CAD_Sheets/Electrical/D2164B13-Sheet-Lighting-Plan.dgn

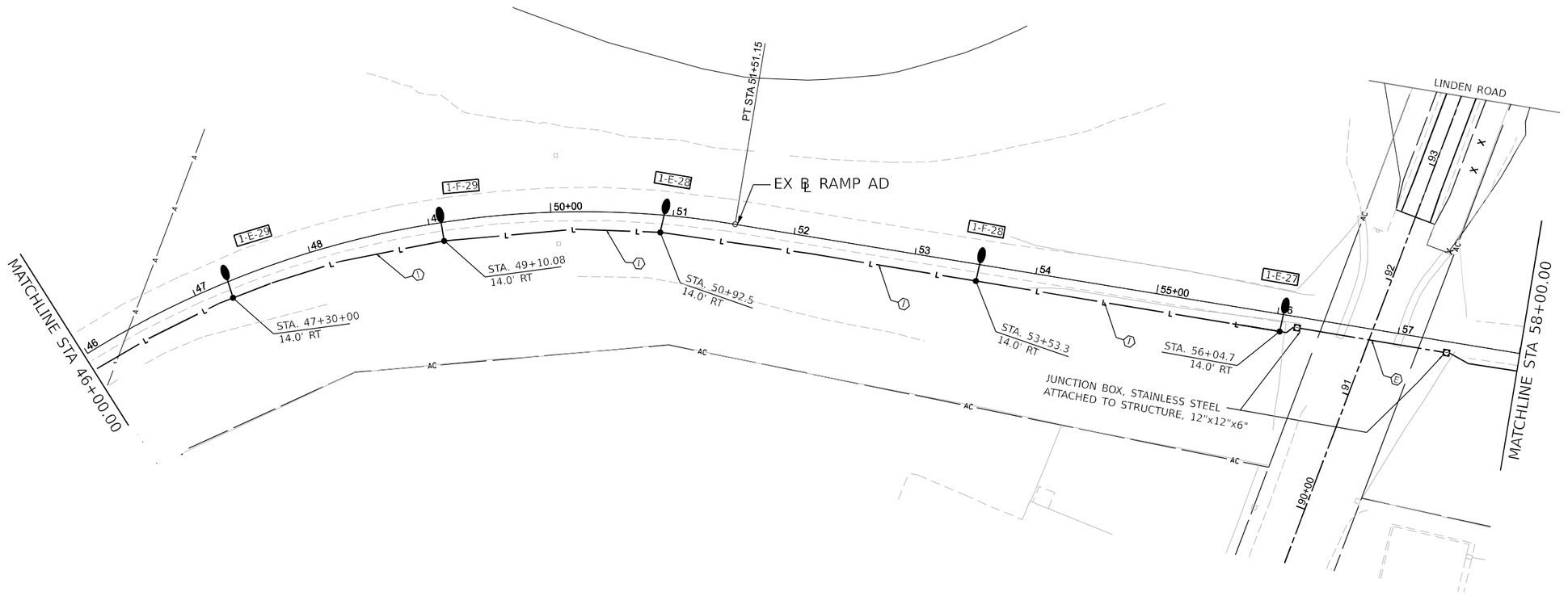
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP BD

SCALE: 1"=20' | SHEET 23 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	745
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 15

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -	
	DRAWN - R.SCARIA	REVISED -	
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

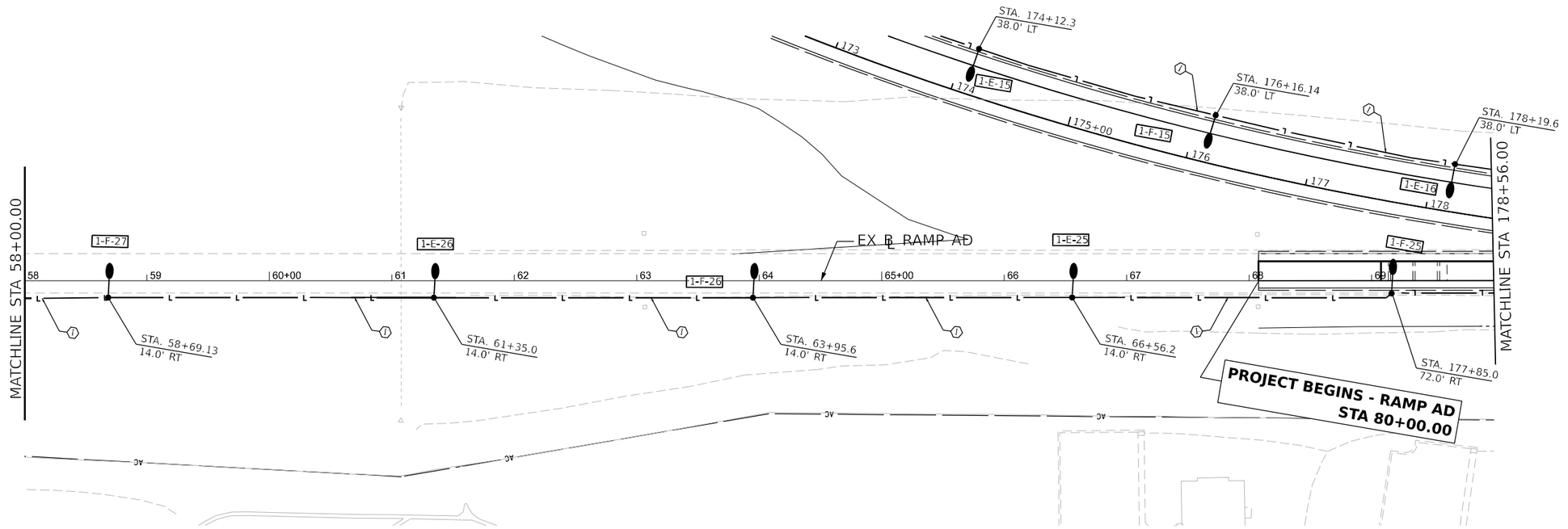
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP AD

SCALE: 1"=20' | SHEET 24 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	746
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 16

MODEL: EX Ramp AD Plan 03 [Sheet]
FILE NAME: pw://benesch-pw.bentley.com:benesch-pw-01/Documents/10800s/10800.00/Eng Docs/CAD Sheets/Electrical/D2264813-Sheet-Lighting-Plan.dgn

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Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

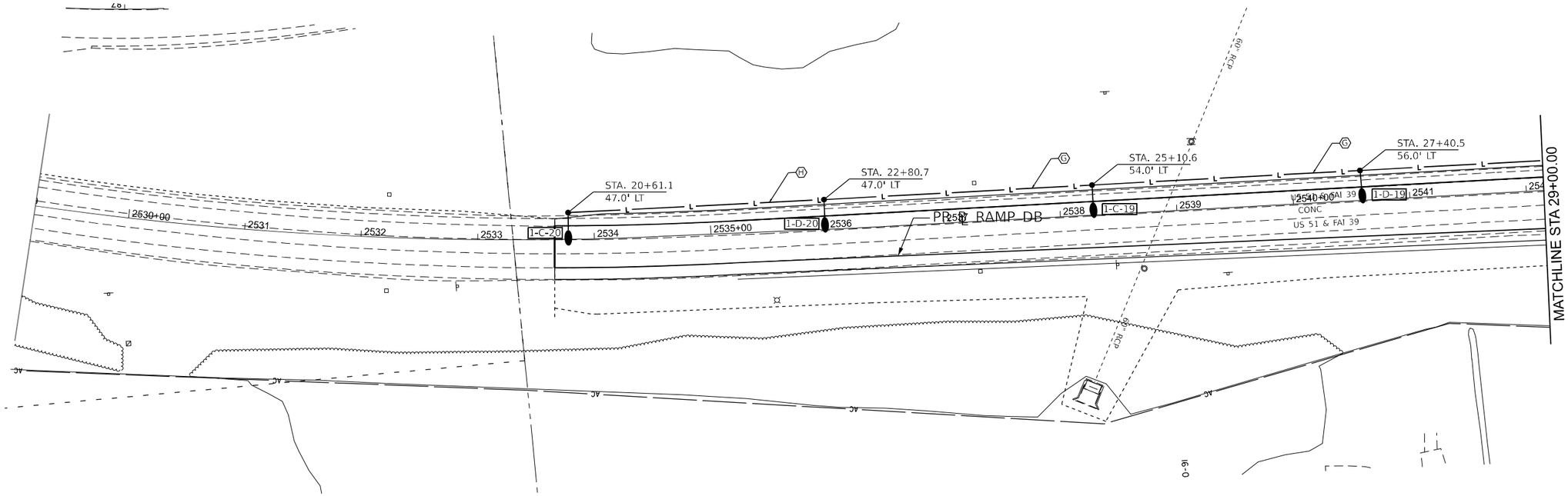
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP AD

SCALE: 1"=20' | SHEET 25 OF 36 SHEETS | STA. $G336 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	747
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150

SCALE IN FEET

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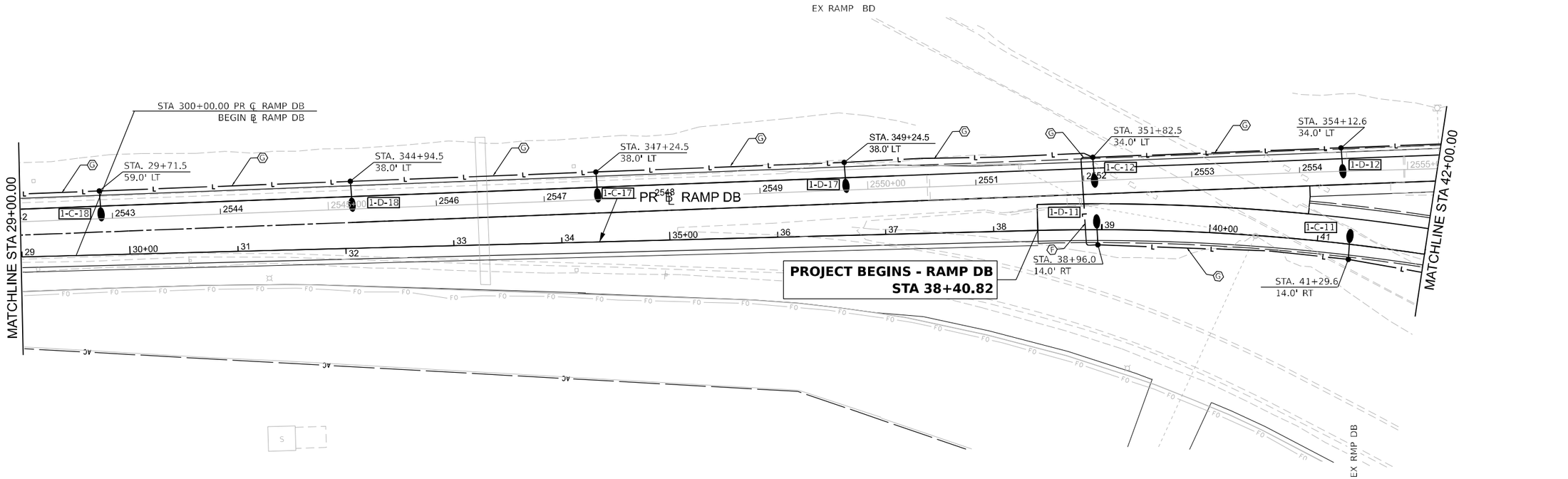
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DB

SCALE: 1"=20' | SHEET 26 OF 36 SHEETS | STA. | TO STA.

KEYPLAN SHEET 7

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	748
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 8

MODEL: Ramp DB-01 [Sheet]
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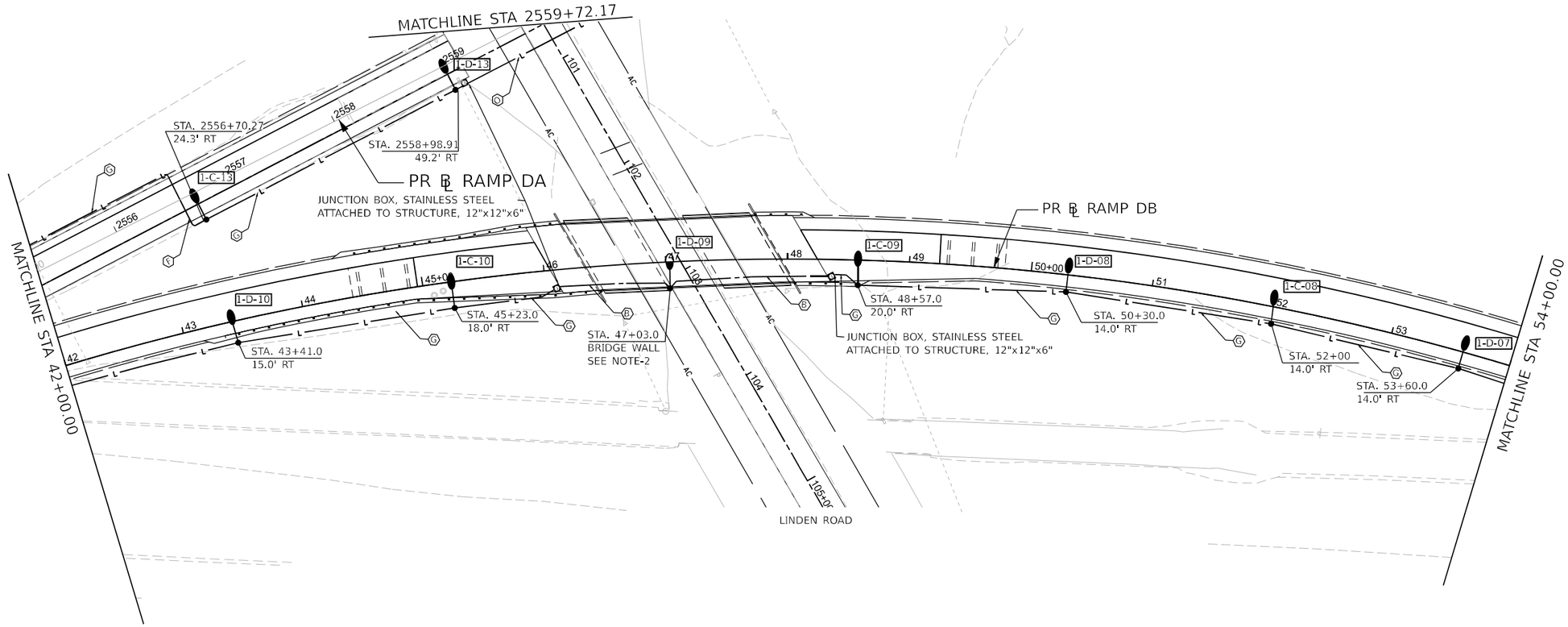
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DB

SCALE: 1"=20' | SHEET 27 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	749
		CONTRACT NO. 64B13		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. FOUNDATION IS INCLUDED IN THE COST OF BRIDGE SUPERSTRUCTURE. SEE STRUCTURAL PLANS FOR DETAILS.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 9

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -	
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

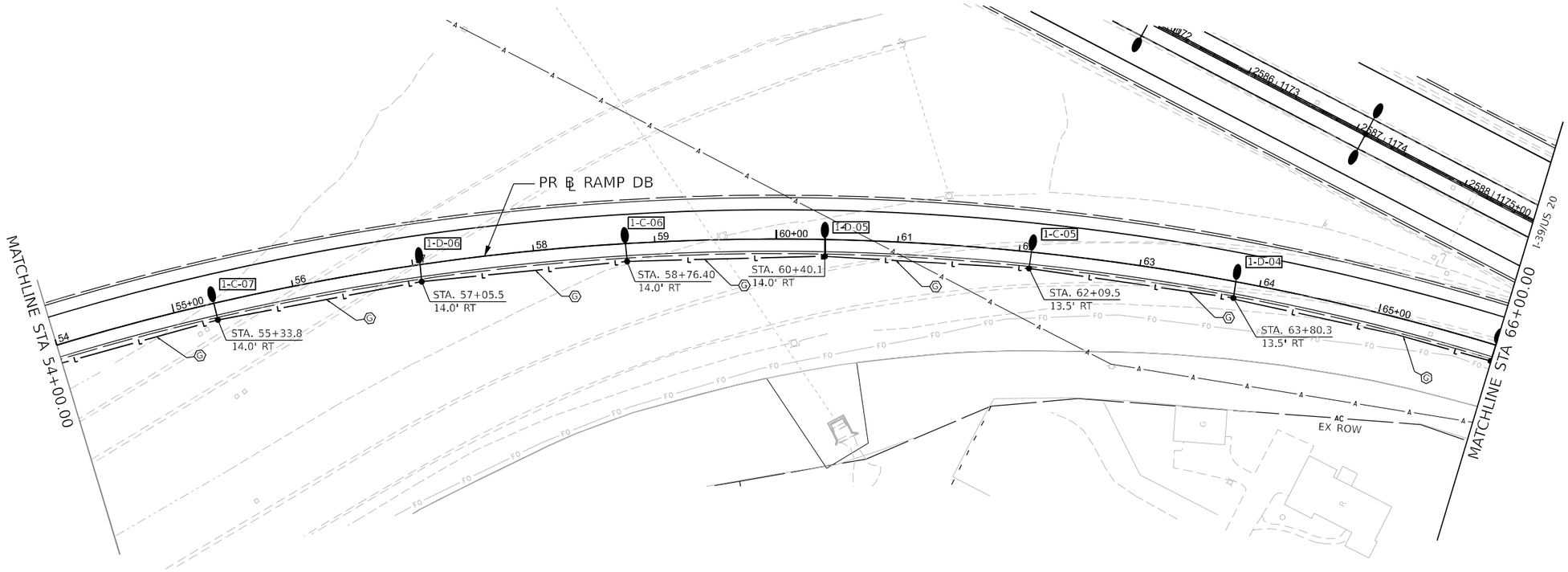
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DB

SCALE: 1"=20' | SHEET 28 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	750
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 10

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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

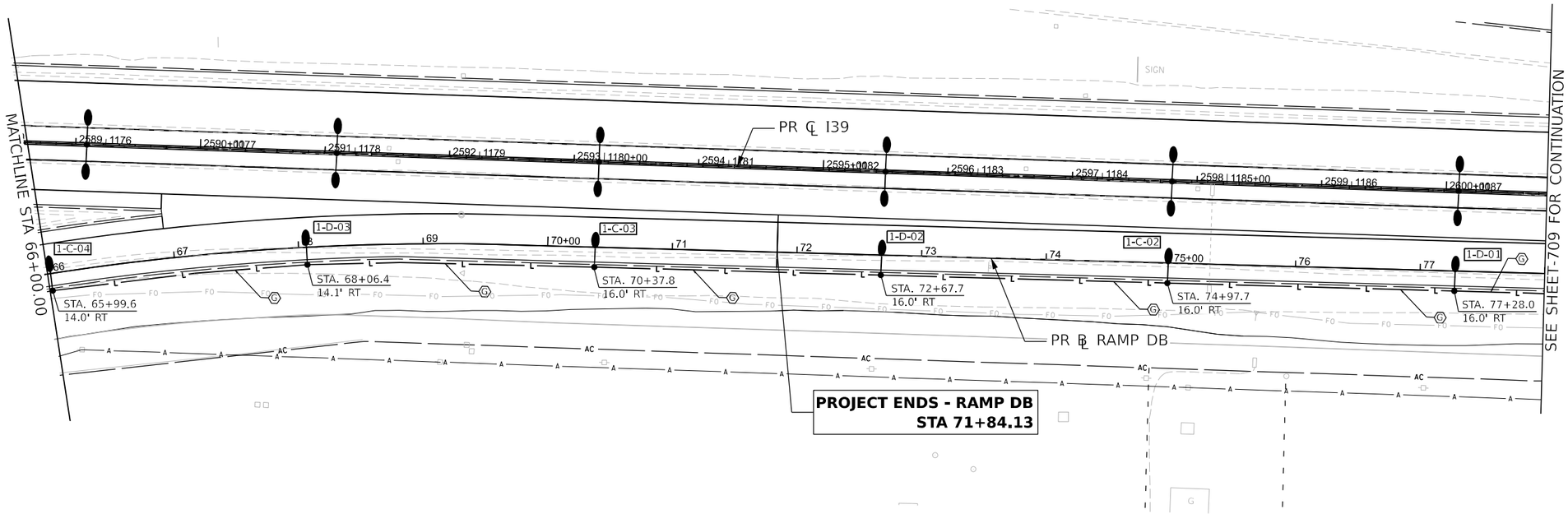
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DB

SCALE: 1"=20' | SHEET 29 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	751
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

KEYPLAN SHEET 11

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

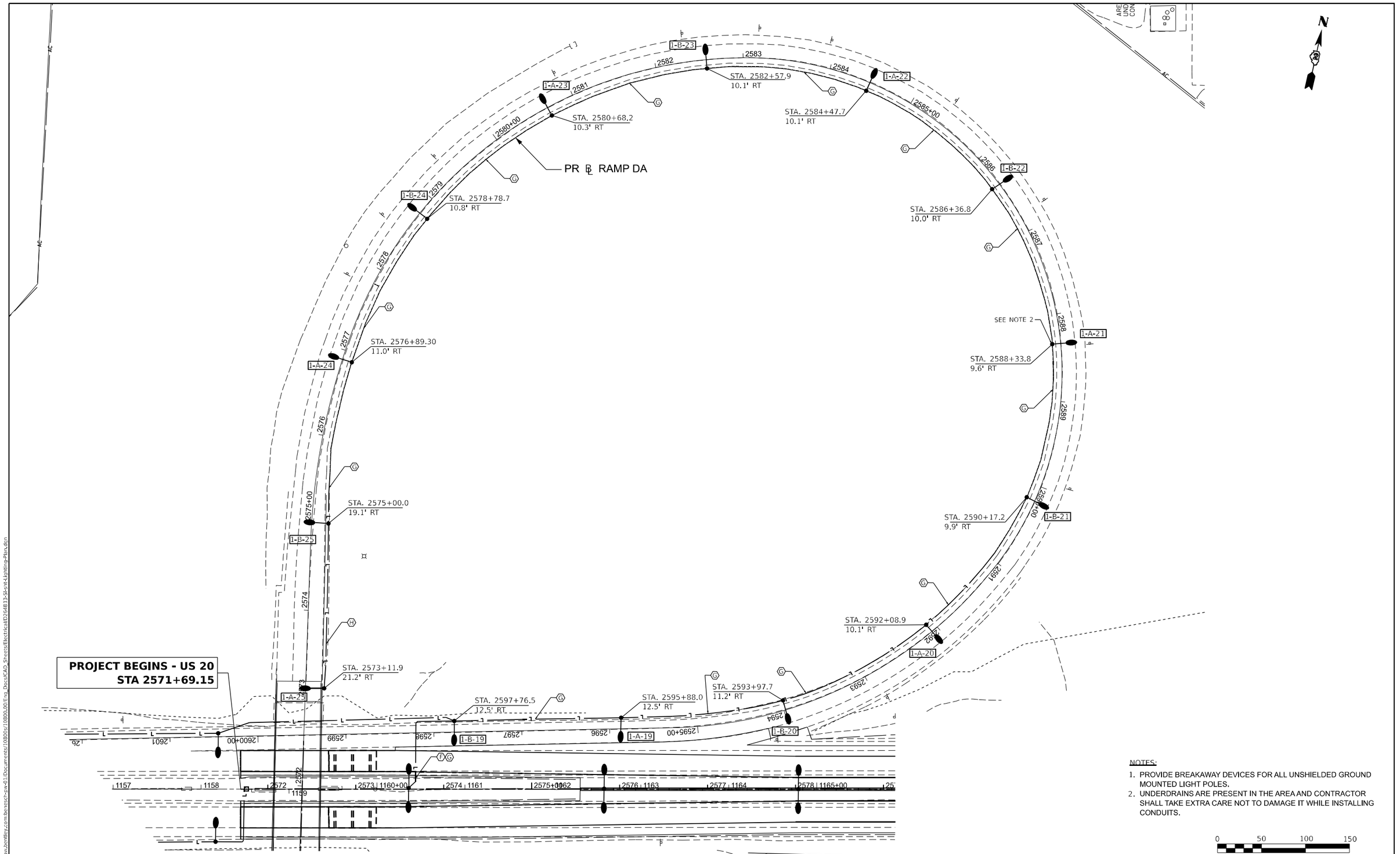
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DB

SCALE: 1"=20' | SHEET 30 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	752
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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NOTES:

1. PROVIDE BREAKAWAY DEVICES FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
2. UNDERDRAINS ARE PRESENT IN THE AREA AND CONTRACTOR SHALL TAKE EXTRA CARE NOT TO DAMAGE IT WHILE INSTALLING CONDUITS.

0 50 100 150
SCALE IN FEET

MODEL: Ramp DA [Sheet]
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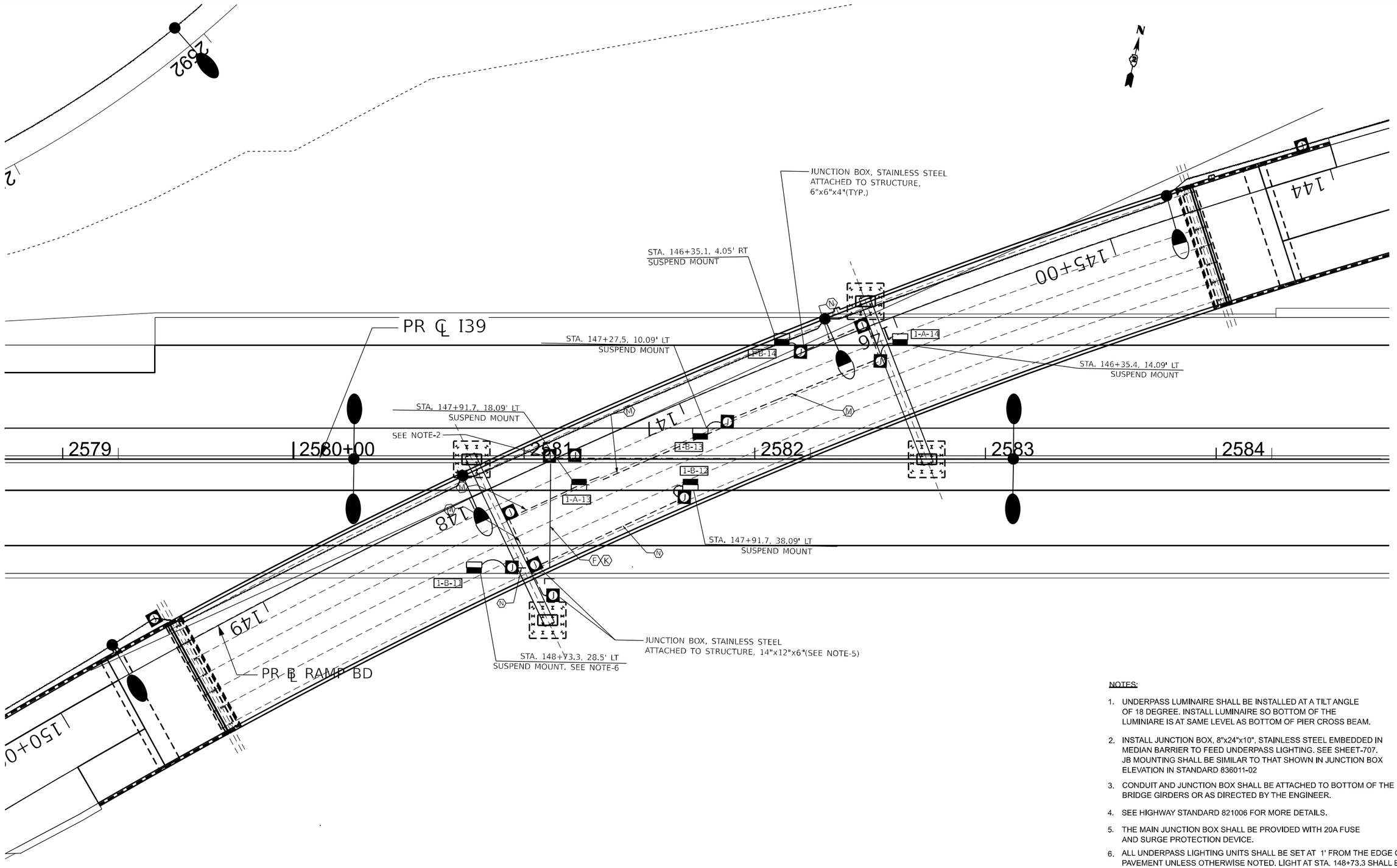
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
RAMP DA

SCALE: 1"=20' | SHEET 31 OF 36 SHEETS | STA. | TO STA.

KEYPLAN SHEET 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	753
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. UNDERPASS LUMINAIRE SHALL BE INSTALLED AT A TILT ANGLE OF 18 DEGREE. INSTALL LUMINAIRE SO BOTTOM OF THE LUMINIARE IS AT SAME LEVEL AS BOTTOM OF PIER CROSS BEAM.
2. INSTALL JUNCTION BOX, 8"x24"x10", STAINLESS STEEL EMBEDDED IN MEDIAN BARRIER TO FEED UNDERPASS LIGHTING. SEE SHEET-707. JB MOUNTING SHALL BE SIMILAR TO THAT SHOWN IN JUNCTION BOX ELEVATION IN STANDARD 836011-02
3. CONDUIT AND JUNCTION BOX SHALL BE ATTACHED TO BOTTOM OF THE BRIDGE GIRDERS OR AS DIRECTED BY THE ENGINEER.
4. SEE HIGHWAY STANDARD 821006 FOR MORE DETAILS.
5. THE MAIN JUNCTION BOX SHALL BE PROVIDED WITH 20A FUSE AND SURGE PROTECTION DEVICE.
6. ALL UNDERPASS LIGHTING UNITS SHALL BE SET AT 1' FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. LIGHT AT STA. 148+73.3 SHALL BE SET AT 10' FROM EDGE OF PAVEMENT.

KEYPLAN SHEET 12

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
UNDERPASS SHEETS - 1

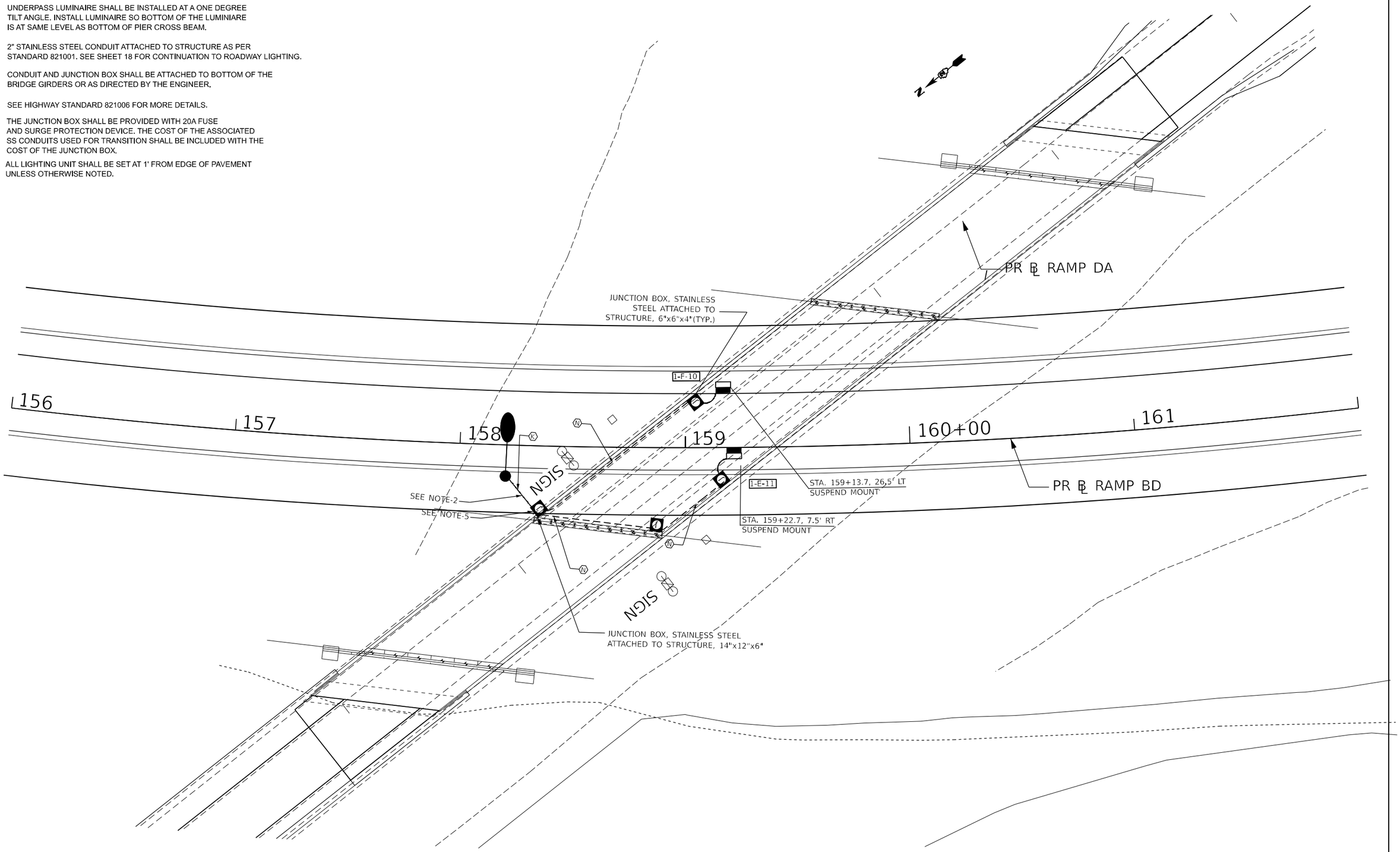
SCALE: 1"=20' | SHEET 32 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	754
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

MODEL: Underpass Plan 01 [Sheet]
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NOTES:

1. UNDERPASS LUMINAIRE SHALL BE INSTALLED AT A ONE DEGREE TILT ANGLE. INSTALL LUMINAIRE SO BOTTOM OF THE LUMINIARE IS AT SAME LEVEL AS BOTTOM OF PIER CROSS BEAM.
2. 2" STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE AS PER STANDARD 821001. SEE SHEET 18 FOR CONTINUATION TO ROADWAY LIGHTING.
3. CONDUIT AND JUNCTION BOX SHALL BE ATTACHED TO BOTTOM OF THE BRIDGE GIRDERS OR AS DIRECTED BY THE ENGINEER.
4. SEE HIGHWAY STANDARD 821006 FOR MORE DETAILS.
5. THE JUNCTION BOX SHALL BE PROVIDED WITH 20A FUSE AND SURGE PROTECTION DEVICE. THE COST OF THE ASSOCIATED SS CONDUITS USED FOR TRANSITION SHALL BE INCLUDED WITH THE COST OF THE JUNCTION BOX.
6. ALL LIGHTING UNIT SHALL BE SET AT 1' FROM EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



KEYPLAN SHEET 14

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -
	DRAWN - R.SCARIA	REVISED -
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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
UNDERPASS SHEETS - 2

SCALE: 1"=20' | SHEET 33 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	755
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

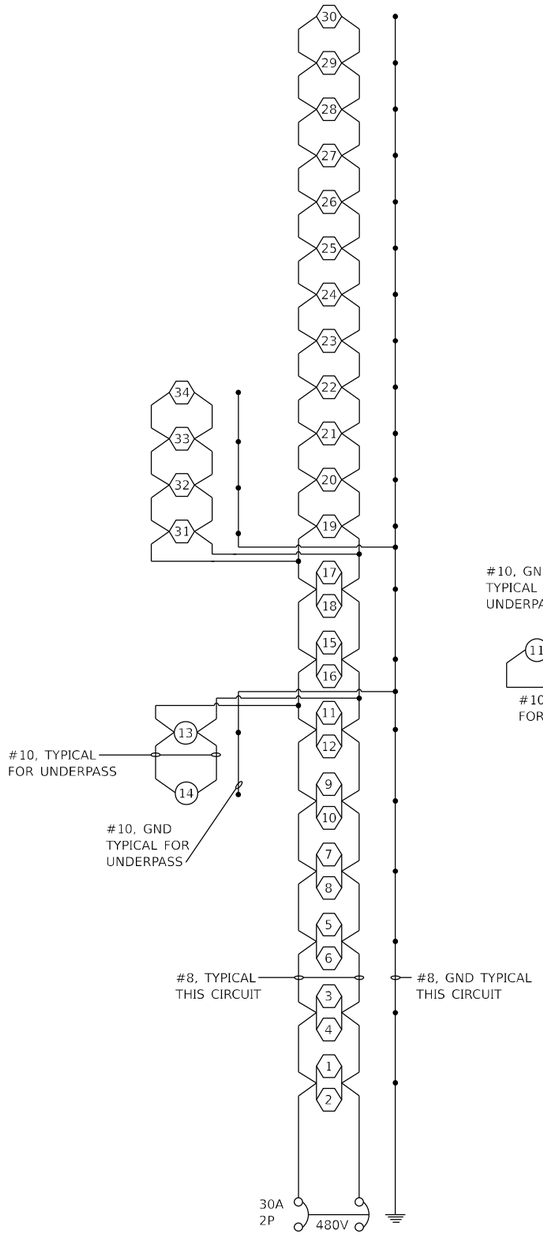
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LEGEND

- LED ROADWAY LUMINAIRE
- LED UNDERPASS LUMINAIRE
- GROUND CONNECTION AT EACH POLE
- GROUND ROD

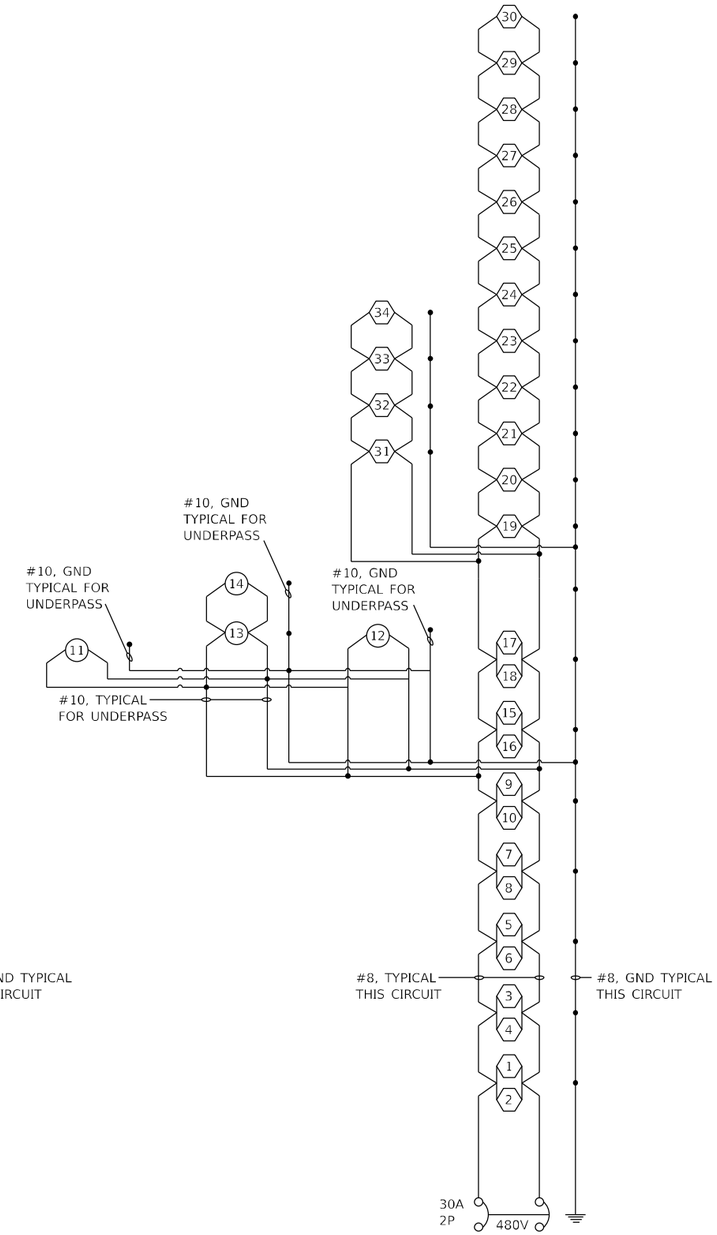
NOTE:

1. BOND EACH JUNCTION BOX TO EQUIPMENT GROUNDING CONDUCTOR.



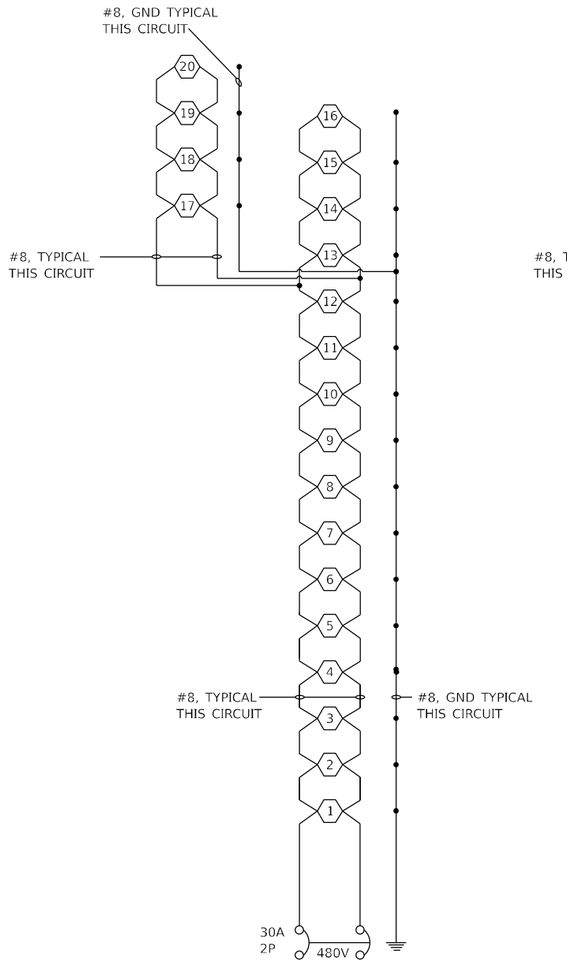
LIGHTING CONTROLLER 1

CIRCUIT A



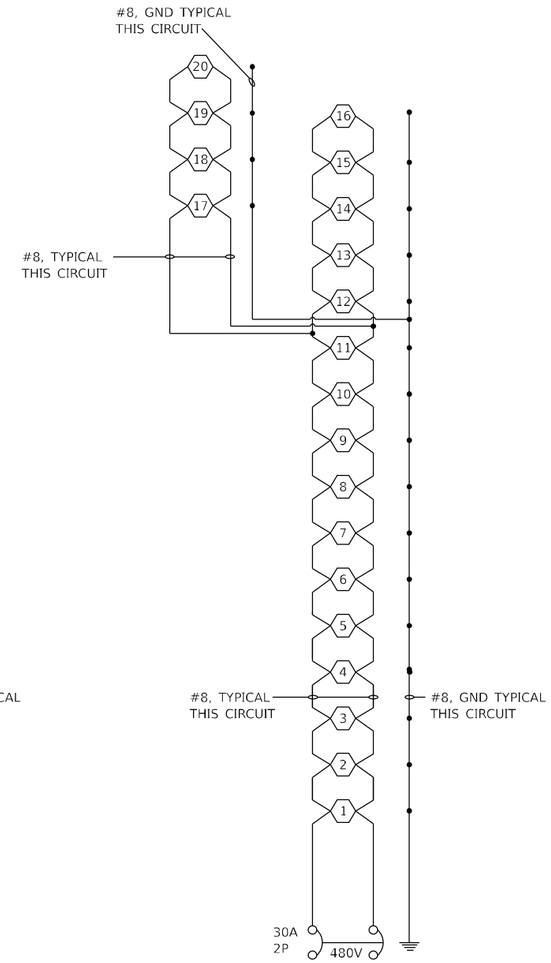
LIGHTING CONTROLLER 1

CIRCUIT B



LIGHTING CONTROLLER 1

CIRCUIT C



LIGHTING CONTROLLER 1

CIRCUIT D

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Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312.565.0450 Job No. 10800.00

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PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN SCHEMATICS-1

SCALE: N/A | SHEET 34 OF 36 SHEETS | STA. | TO STA.

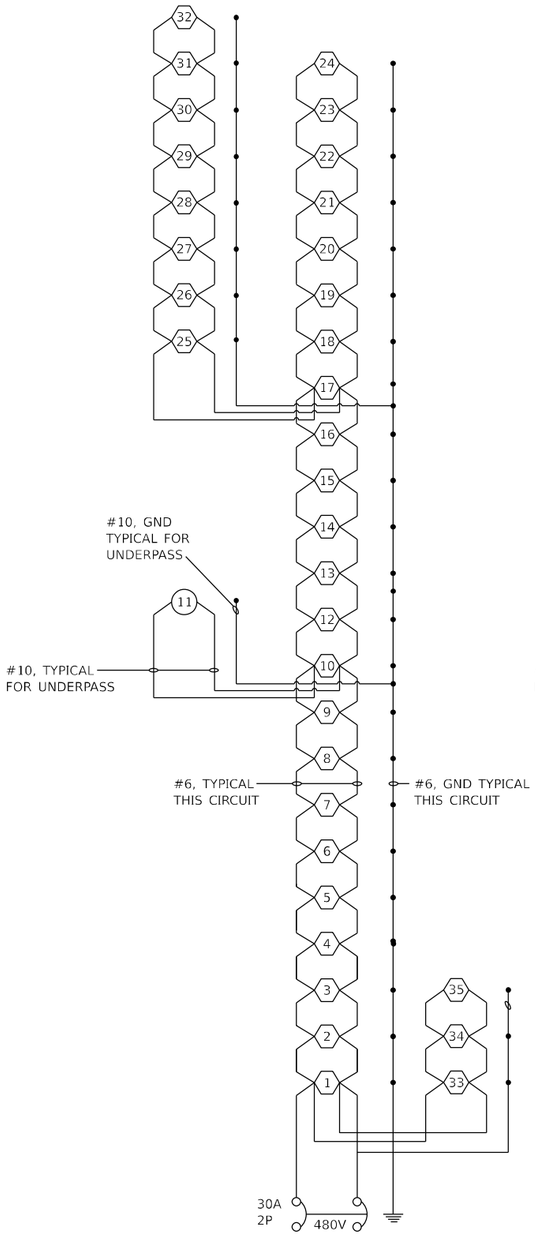
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39	(201-3)K	WINNEBAGO	2192	756
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

LEGEND

25	LED ROADWAY LUMINAIRE
14	LED UNDERPASS LUMINAIRE
•	GROUND CONNECTION AT EACH POLE
⏚	GROUND ROD

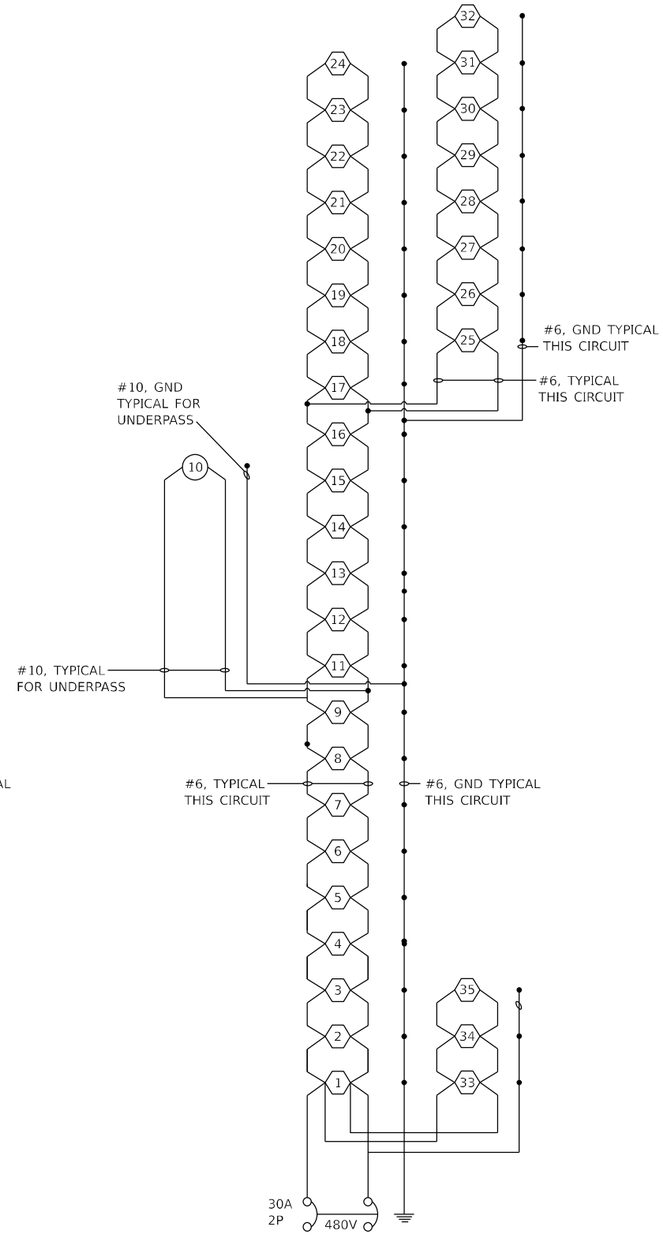
NOTE:

1. BOND EACH JUNCTION BOX TO EQUIPMENT GROUNDING CONDUCTOR.



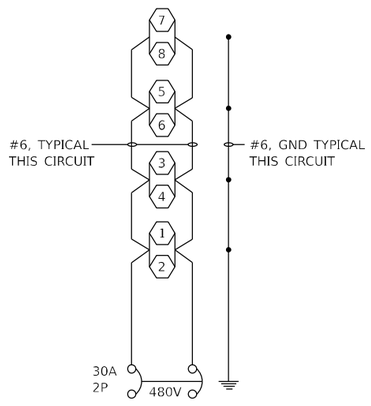
LIGHTING CONTROLLER 1

CIRCUIT E



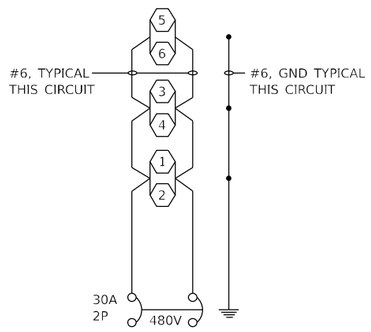
LIGHTING CONTROLLER 1

CIRCUIT F



LIGHTING CONTROLLER 1

CIRCUIT G



LIGHTING CONTROLLER 1

CIRCUIT H

MODEL: Default
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Allied Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312.565.0450 Job No. 10800.00

USER NAME = tblack	DESIGNED - R.SCARIA	REVISED -	
	DRAWN - R.SCARIA	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - G.THIESSE	REVISED -	
PLOT DATE = 3/30/2023	DATE - 03/31/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN SCHEMATICS-2

SCALE: N/A | SHEET 35 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	757
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation

Luminaire Performance Table

Reset Form

Project

Date	Contract Number	Section Number	County
02/03/23	64B13	(201-3)K	Winnebago

Marked Route Number	Municipality
39	Rockford

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12'	4	27'	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
45'	12'	13.5'	

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED	Type III	Type III

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
225'	Median

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}
0.90	3.0

Average Luminance, L_{AVE} (cd/m²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.60	3.5:1	6.0:1	0.3

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H

Printed 01/31/23

BDE 5630 (04/10/19)

Illinois Department of Transportation

Luminaire Performance Table

Reset Form

Project

Date	Contract Number	Section Number	County
02/03/23	64B13	(201-3)K	Winnebago

Marked Route Number	Municipality
39	Rockford

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12'	3	27'	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
15.5'	N/A	1'	

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED	Type III	Type III

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
50'	Opposite - Median

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}
1.66	2.18

Average Luminance, L_{AVE} (cd/m²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.98	2.23	3.95	0.29

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E

Printed 01/31/23

BDE 5630 (04/10/19)

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Chicago, Illinois 60601
312-565-0450 Job No. 10800.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERFORMANCE TABLE

SCALE: N/A | SHEET 36 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	758
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF INTELLIGENT TRAFFIC SYSTEM (ITS) QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL
X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	9
X1400240	FIBER OPTIC CABLE IN CONDUIT, 96F, SINGLE MODE	FOOT	31974
X1400282	POLYETHYLENE DUCT, 11/4" DIA	FOOT	36232
Z0010614	CLEAN EXISTING MANHOLE / HANDHOLE	EACH	2
Z0033052	COMMUNICATIONS VAULT	EACH	6
81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA	FOOT	193

GENERAL NOTES

1. THE CONTRACTOR SHALL TAKE RESPONSIBIILITY FOR THE MAINTENANCE OF THE FIBER OPTIC CABLE FOR THE DURATION OF THE PROJECT.
2. THE CONTRACTOR SHALL PROVIDE A 48 HOUR NOTICE PRIOR TO ANY SERVICE INTERUPTION FOR THE SPLICING OF NEW CABLE INTO THE SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF HANDHOLES AND FIBER OPTIC CABLE PRIOR TO BIDDING THE JOB.
4. ALL SERVICE OUTAGES FOR SPLICING IN OF NEW CABLE SHALL BE LESS THAN 2 HOURS.
5. THERE EXISTS ENVIRONMENTALLY SENSITIVE AREAS ALONG THIS JOB. CARE MUST BE TAKEN NOT TO REMOVE PLANT LIFE FROM THESE AREAS.
6. THERE SHALL BE 200 FEET OF 96 SM FIBER OPTIC CABLE SLACK, PER CABLE, IN EACH COMMUNICATION VAULT. THERE SHALL BE 25 FEET OF FIBER OPTIC CABLE SLACK, PER CABLE, IN ALL JUNCTION BOXES.
7. THE CONTRACTOR SHALL EXERCISE CARE WITH THE INSTALLATION OF UNDERGROUND EQUIPMENT AS THERE ARE EXISTING PRIVATELY OWNED UTILITIES WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT ANY UTILITIES IN THE WORK ZONE AND REQUEST UTILITY LOCATES.
8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND/OR FIBER OPTIC CABLE.
9. THE CONTRACTOR SHALL BE AWARE OF THE DOCUMENTATION REQUIREMENTS WHICH REQUIRE GPS DATA ACQUISITION.
10. ALL RACEWAYS SHALL BE INSTALLED AT THE MENTIONED DEPTHS AS NOTED IN PLANS.
11. ALL EXISTING FIBER OPTIC CABLE CALLED TO BE EITHER REMOVED OR ABANDONED SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL PROPOSED FIBER OPTIC CABLE IS INSTALLED AND CUT OVER.
12. ALL PROPOSED FIBER SHALL HAVE A MINIMUM BENDING RADIUS OF 24".
13. THE PROPOSED FIBER SHALL BE INSTALLED PRIOR TO STAGE 1 CONSTRUCTION INORDER TO MAINTAIN FACILITY. EXTRA CARE SHALL BE TAKEN WHILE INSTALLING FIBER AT LINDEN ROAD AND S. MULFORD ROAD CROSSINGS.
14. FIBER OPTIC CONDUIT SHALL BE ISNTALLED A MINIMUM OF 42" BELOW GRADE UNLESS OTHERWISE NOTED.
15. CONDUIT CROSSING OVER/UNDER OTHER UTILITIES SHALL MAINTAIN A SEPARATION OF AT LEAST 12 INCHES OR AS SPECIFIED BY OWNIN UTILITY.
16. PROPOSED CONDUIT ROUTES SHOWN IN THE PLANS ARE SCHEMATIC ONLY. CONTRACTOR TO VERIFY EXACT ROUTE IWTH THE ENGINEER.
17. INCASE OF ANY ACCIDENTAL DISRUPTION IN SERVICE TO THE FIBER OPTIC CABLE DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE 24 HOUR EMERGENCY CONTACT NUMBER AT 312-814-3648.

LEGEND

- (E) EXISTING
- (R) REMOVE
- (RL) RELOCATE
- (A) ABANDON IN PLACE
- (P) PROPOSED
- 42"x36"x12" JUNCTION BOX
- COMMUNICATIONS VAULT
- HEAVY DUTY HANDHOLE (MIXED USE)
- HEAVY DUTY HANDHOLE SPECIAL (COMMUNICATIONS)
- TYPE 334 CABINET
- TYPE 334 CABINET WITH SPREAD SPECTRUM RECEIVER
- ELECTRIC SERVICE DISCONNECT
- CCTV CAMERA
- WIRELESS DETECTOR REPEATER
- WIRELESS DETECTOR ACCESS POINT
- IN-PAVEMENT WIRLESS DETECTOR SENSORS
- 6' DIAMETER INDUCTION LOOP CENTERED IN LANE
- 6' x 14' (NOMINAL) RAMP INDUCTION LOOP
- GALVANIZED RIGID STEEL CONDUIT PUSHED (P), TYPE AND SIZE AS NOTED
- GALVANIZED RIGID STEEL CONDUIT TRENCHED (T), TYPE AND SIZE AS NOTED
- FO EXISTING FIBER OPTIC CABLE
- FO PROPOSED FIBER OPTIC CABLE

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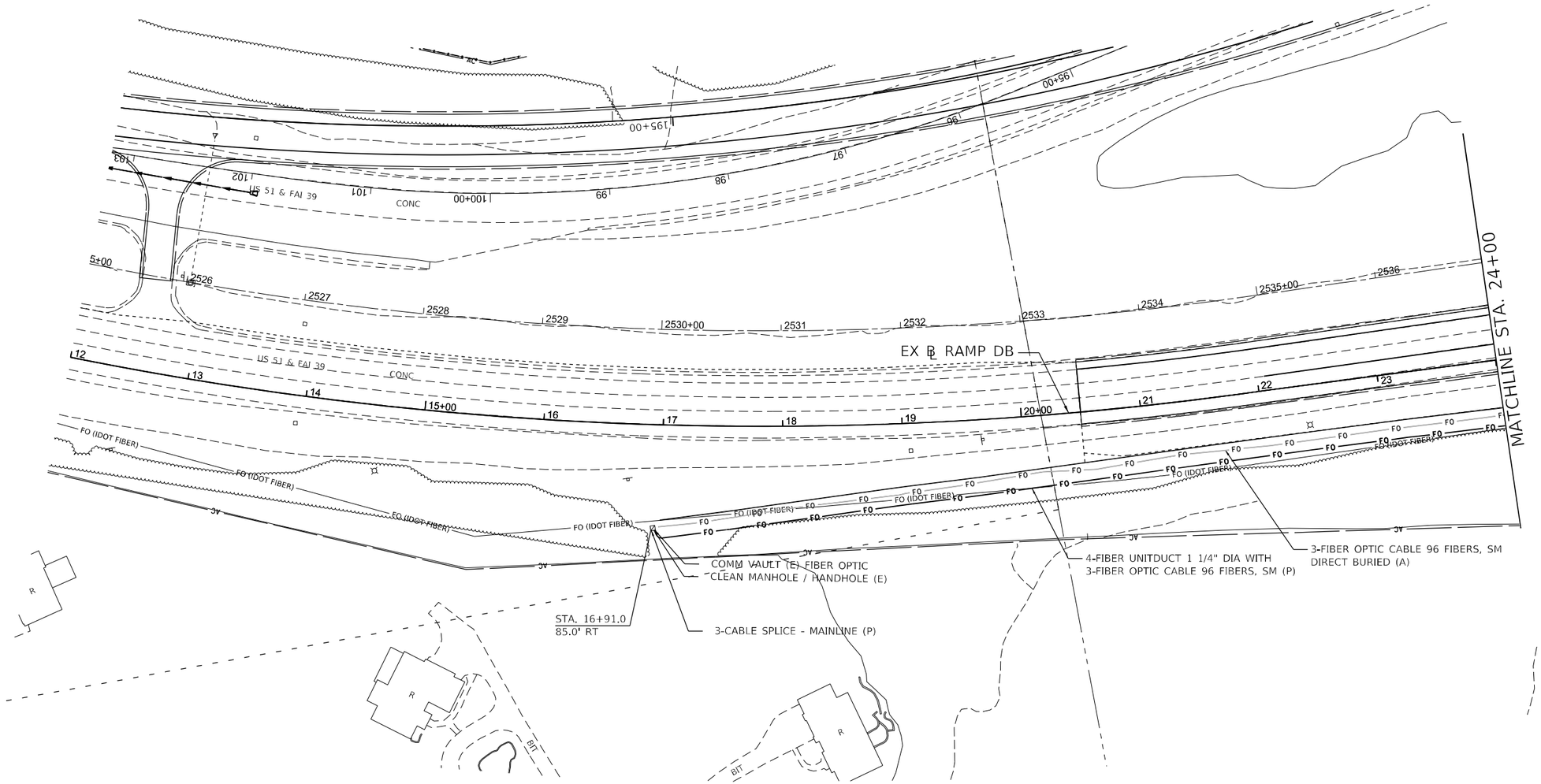
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN GENERAL NOTES

SCALE: N/A | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	759
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



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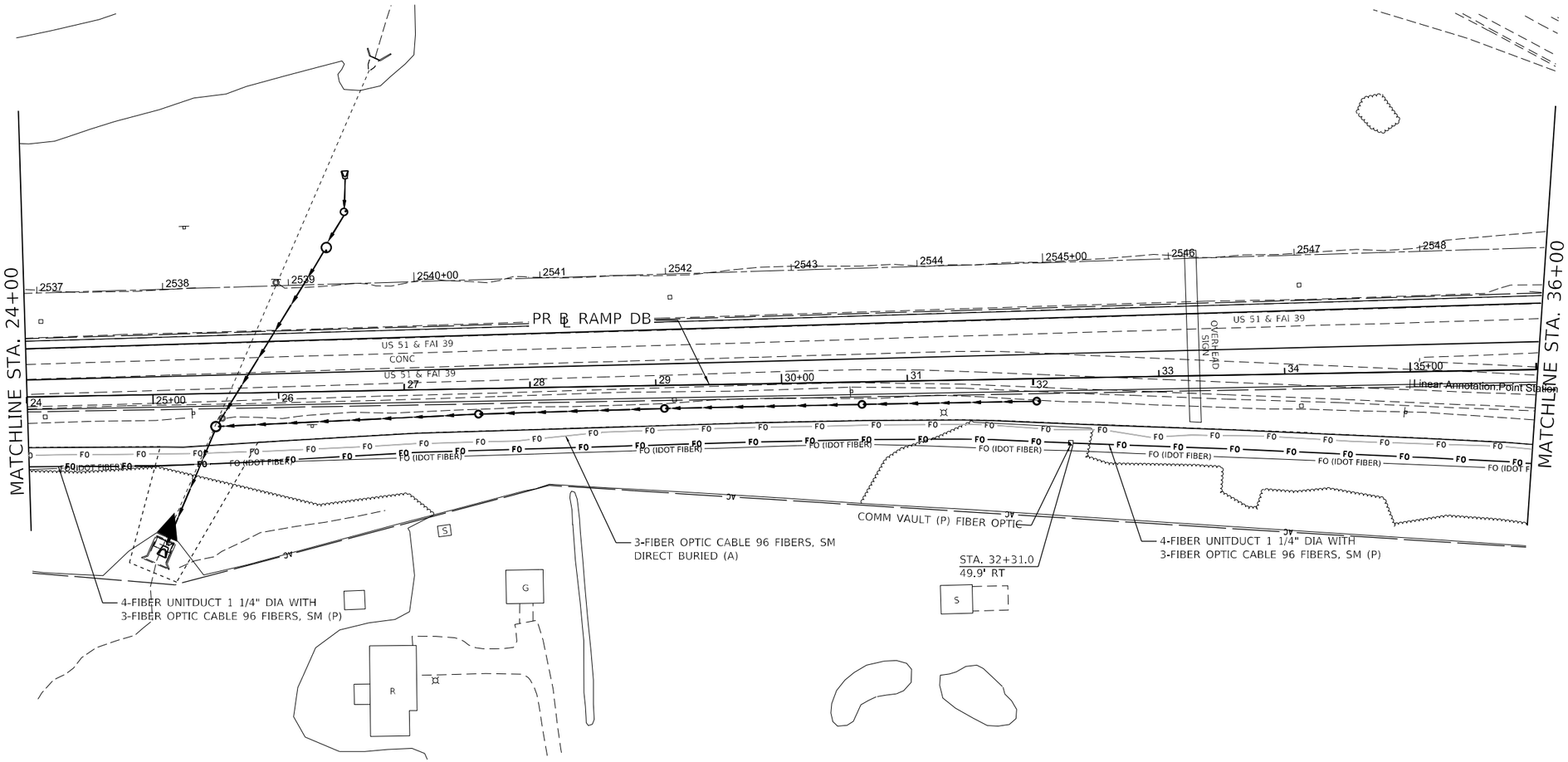
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN

SCALE: 1"=20' | SHEET 2 OF 9 SHEETS | STA. | TO STA.

KEYPLAN SHEET 6

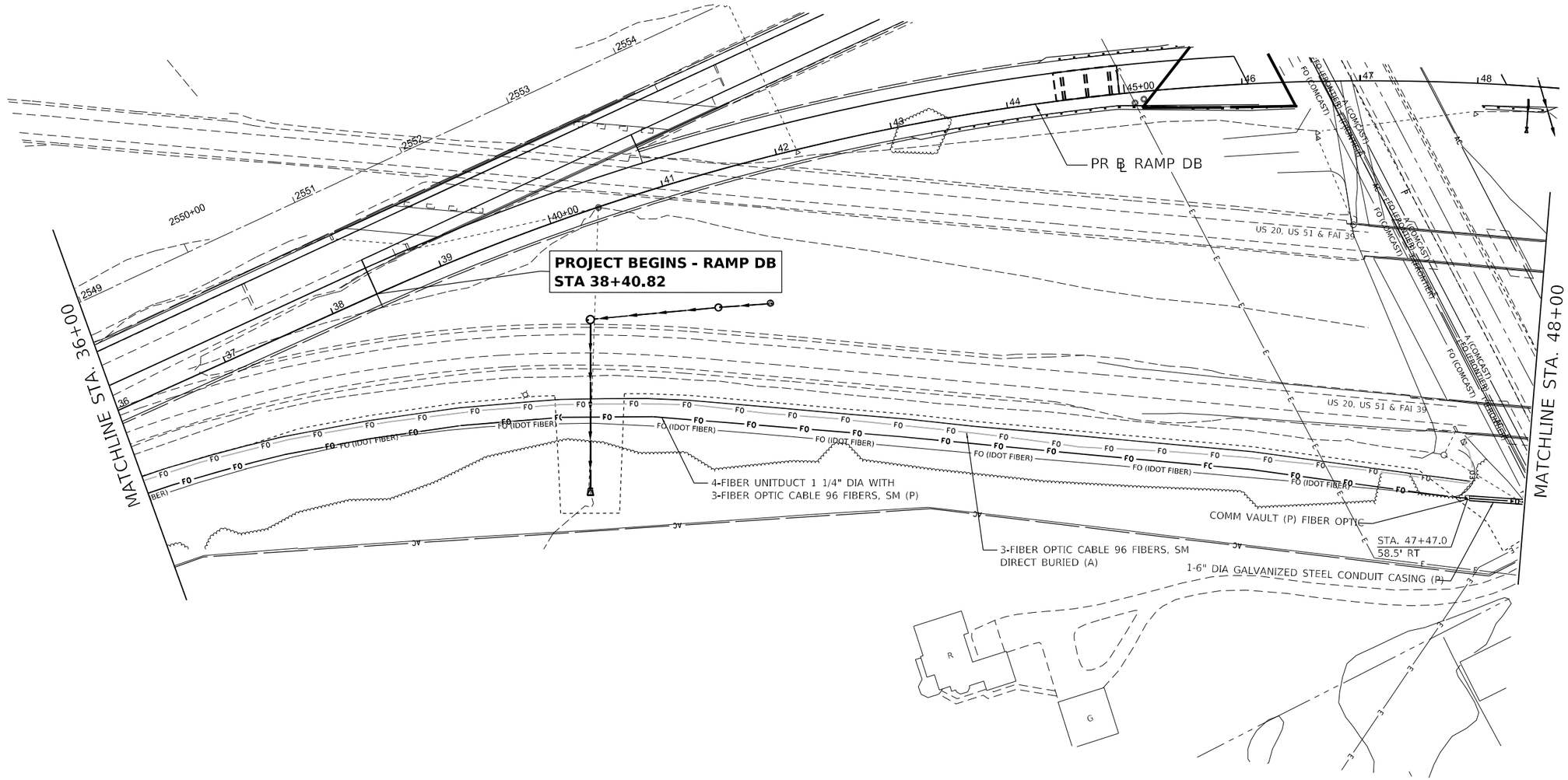
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39	(201-3)K	WINNEBAGO	2192	760
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



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KEYPLAN SHEET 6

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		DRAWN - R.SCARIA	REVISED -			39	(201-3)K	WINNEBAGO	2192	761
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	PLOT DATE = 3/31/2023	DATE - 03/31/2023	REVISED -		SCALE: 1"=20' SHEET 3 OF 9 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN

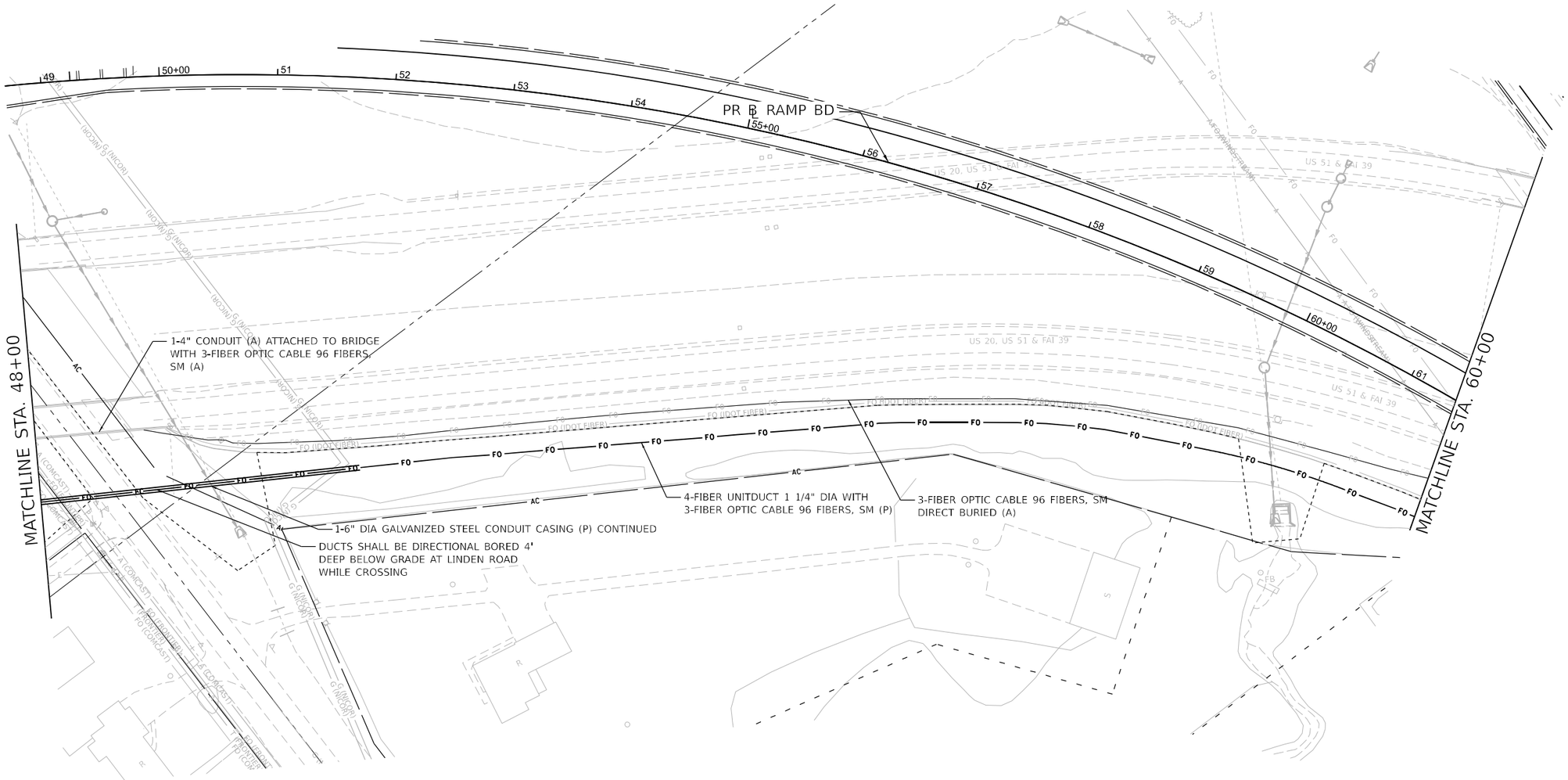
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39	(201-3)K	WINNEBAGO	2192	762
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. CONTRACTOR SHALL INSTALL CASING 10' PASS THE NICOR UTILITY. FINAL CASING LOCATION SHALL BE DIRECTED BY THE ENGINEER.
2. ANY ROCK ENCOUNTERED DURING THE INSTALLATION OF THE CASING PIPE SHALL BE PAID FOR UNDER "ROCK EXCAVATION FOR STRUCTURES"



KEYPLAN SHEET 7

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FIBER OPTIC PLAN

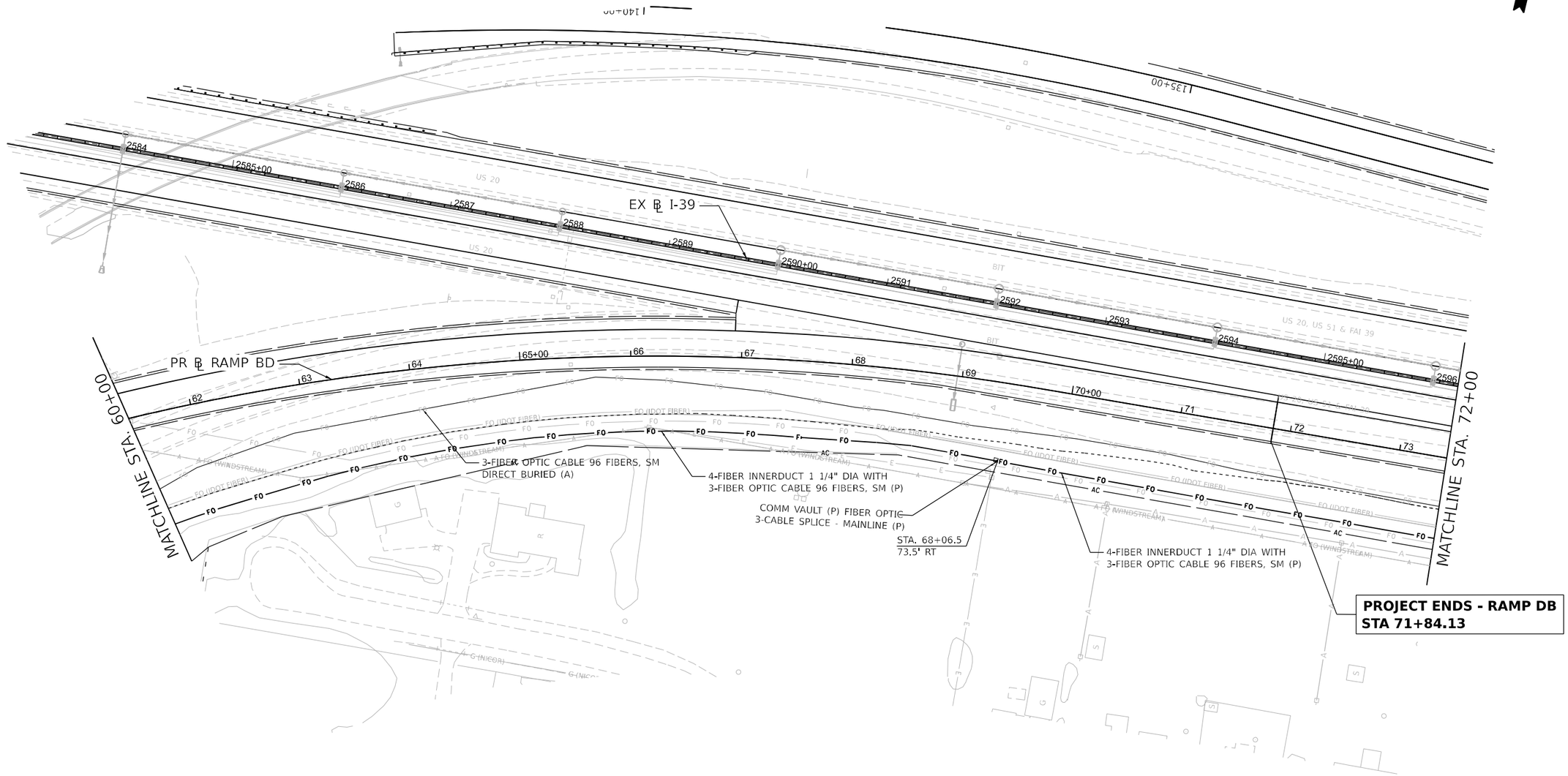
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64B13

ILLINOIS | FED. AID PROJECT

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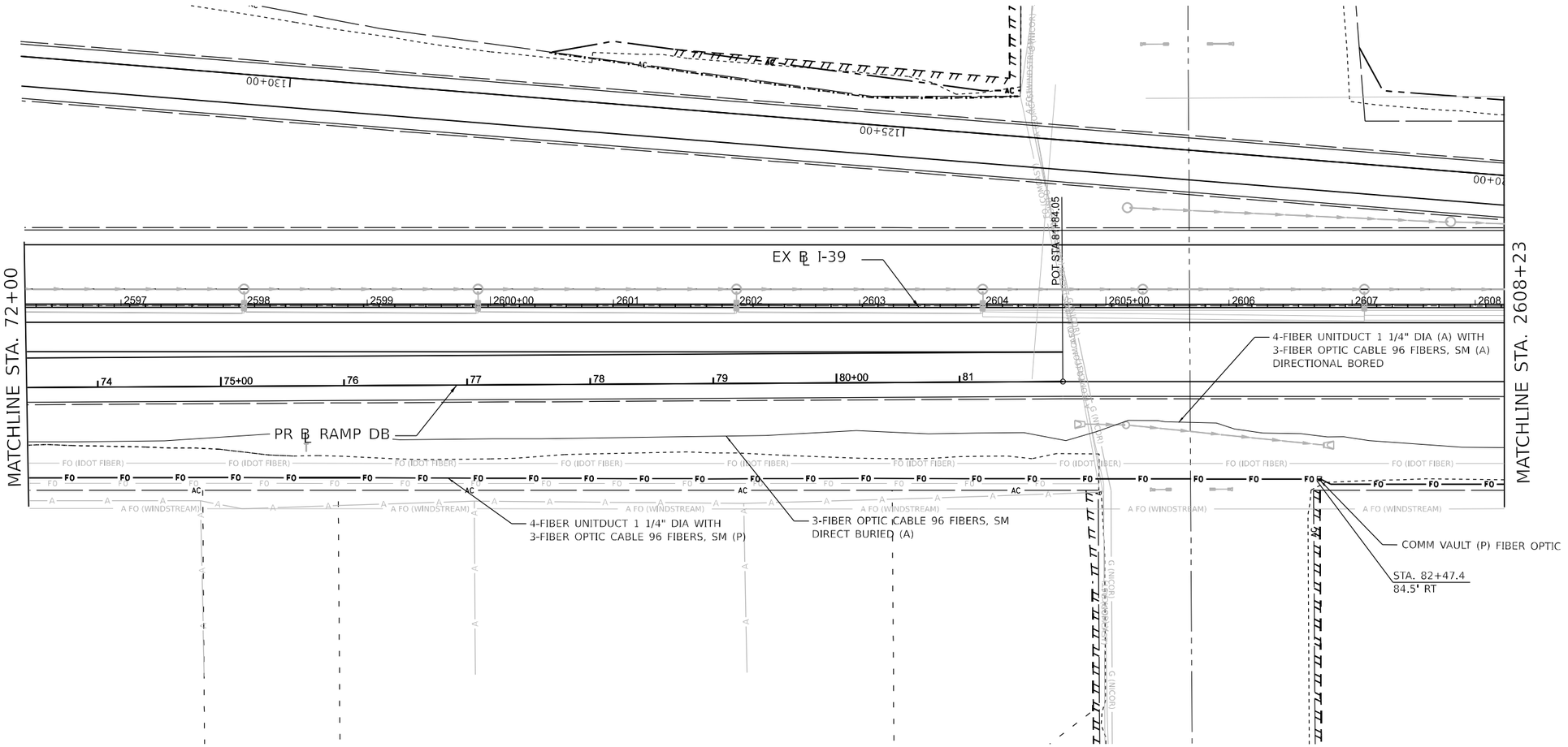
STATE OF ILLINOIS
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FIBER OPTIC PLAN

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KEYPLAN SHEET 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	764
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



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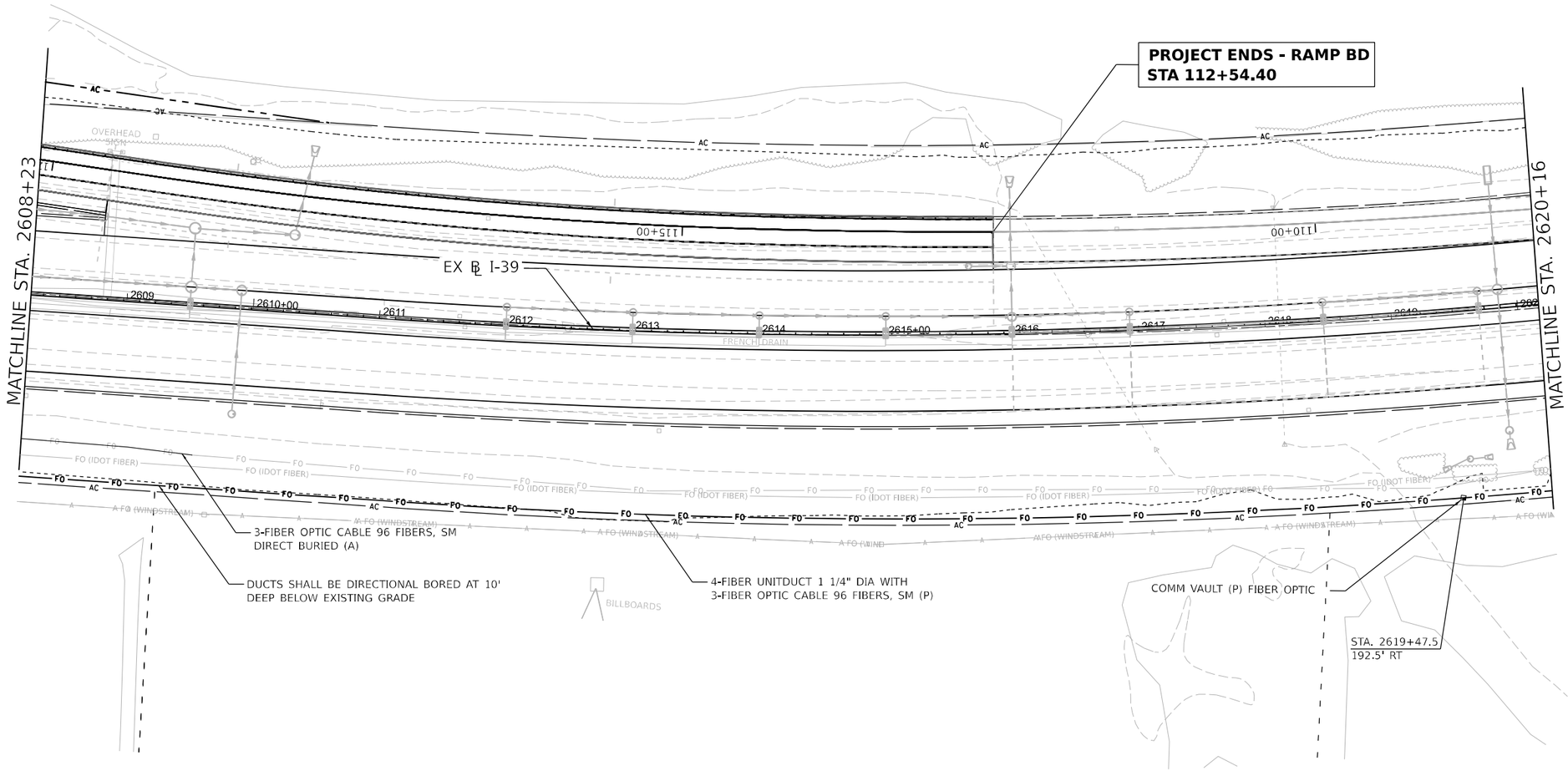
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN

SCALE: 1"=20' | SHEET 7 OF 9 SHEETS | STA. | TO STA.

KEYPLAN SHEET 4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	765
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



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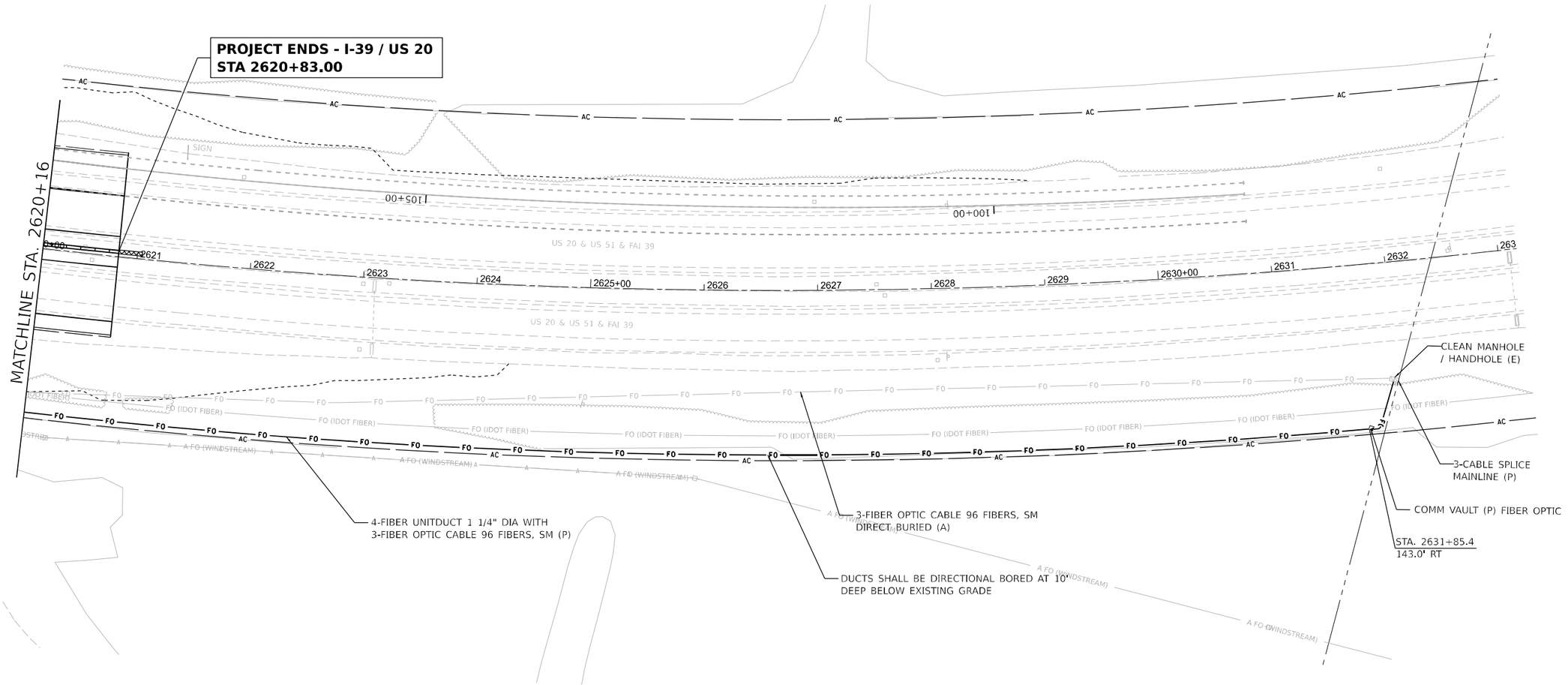
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN

SCALE: 1"=20' | SHEET 8 OF 9 SHEETS | STA. | TO STA.

KEYPLAN SHEET 4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	766
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



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312-565-0150 Job No. 10800.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC PLAN

SCALE: 1"=20' | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	767
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

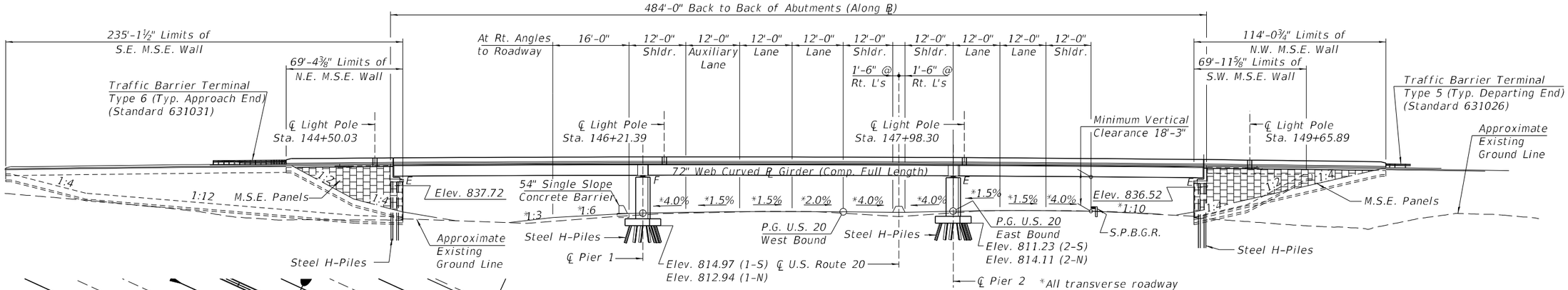
BMs: #454 – Cut Square South side of Westerly sign base for a 30MPH ramp 0.1 miles North of the Centerline of Linden Rd. – West side of I–39 Elevation = 850.53
#455 – Cut Square South side of Easterly sign base for a 30MPH ramp 0.1 miles North of the Centerline of Linden Rd. – East side of I–39 Elevation = 851.37

Existing Structure (SN 101–0136):
Originally constructed in 1981 as F.A. Route 194, Section 201–3HB–2. The structure consists of a 3 Span, 56°–25'–55" Rt Fwd. Skewed, concrete deck on curved steel girders, supported on pile bent concrete abutments and 2 (4 Trapazoidal columns) concrete piers on pile supported foundations. The deck width is 28'–0", and the span lengths are 86'–0", 143'–6" and 155'–0" developing a back to back length of 397'–8½".

Traffic shall be maintained on the existing structure during construction of the proposed structure.

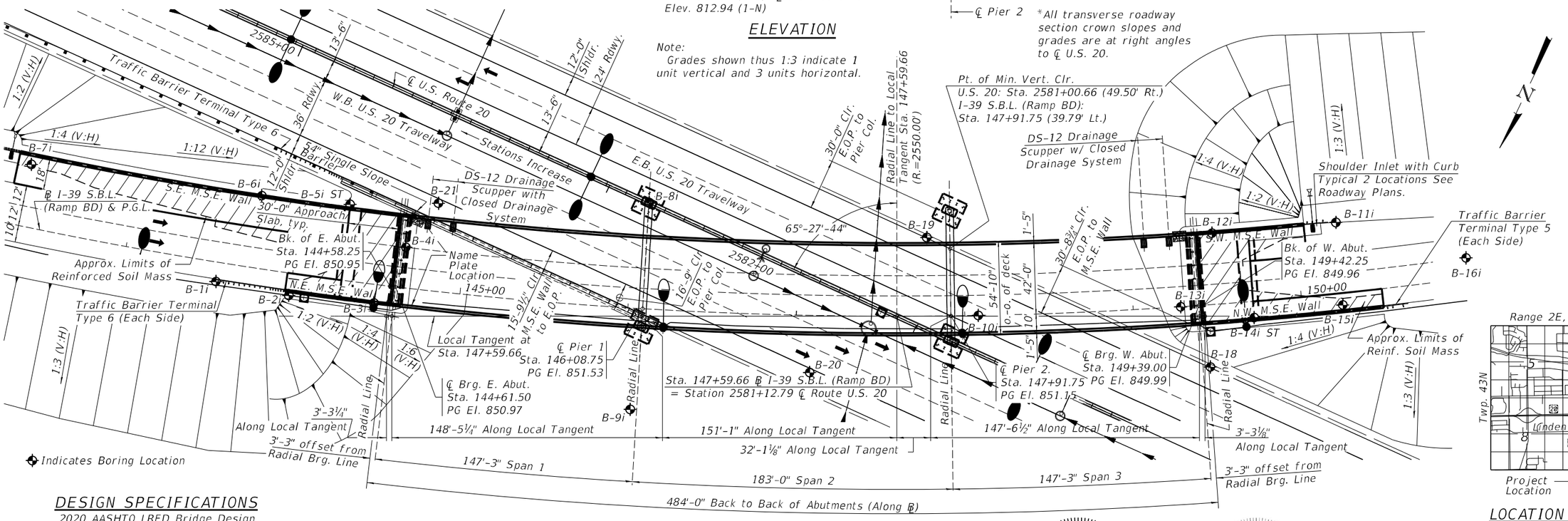
No salvage.

Up to ¼" may be ground off the bridge deck and bridge approach slabs.

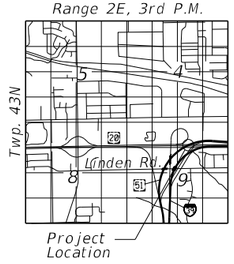


ELEVATION

Note:
Grades shown thus 1:3 indicate 1 unit vertical and 3 units horizontal.



PLAN



LOCATION SKETCH

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

PRECAST UNITS

f'c = 4,500 psi (Precast Panels)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.056
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.101
Soil Site Class = C

LOADING HL–93

Allow 50#/sq. ft. for future wearing surface.

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

MATTHEW F. HELLENTHAL
081-007652
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

EXPIRATION DATE 11–30–2024
DATE: 03–31–2023
SHEETS: 1–21, 29–49, & 53–69 OF 69

KEITH W. BENTING
STATE OF ILLINOIS
4777
LICENSED STRUCTURAL ENGINEER
DECATUR, ILLINOIS

EXPIRATION DATE 11–30–2024
DATE: 03–31–2023
SHEETS: 22–28 & 50–52 OF 69

GENERAL PLAN AND ELEVATION
I–39 S.B.L. (RAMP BD) OVER U.S. 20
F.A.I. 39 – SECTION (201–3)K
WINNEBAGO COUNTY
STA. 147+59.66
STRUCTURE NO. 101–0215

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312-565-0150 Job No. 10600

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	CHECKED - MFH	REVISED -	
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PLOT DATE =	CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	768
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

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INDEX OF SHEETS

1 General Plan and Elevation
2 General Notes, Bill of Material, and Index of Sheets
3 General Details
4 Foundation Layout Plan
5 Top of Slab Elevations Plan
6 Top of Slab Elevations (1 of 3)
7 Top of Slab Elevations (2 of 3)
8 Top of Slab Elevations (3 of 3)
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10 Top of West Approach Slab Elevations
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13 Deck Cross Section
14 North Parapet Elevation
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17 Drainage Scupper, DS-12
18 Drainage Details
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20 Approach Slab Details
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30 Framing Plan and Curved Girder Layout
31 Steel Plate Girder Elevations
32 Steel Plate Girder Cross Frame and Stiffener Details
33 Steel Plate Girder Field Splice Details
34 Steel Plate Girder Camber
35 Steel Plate Girder Moment and Reaction Tables
36 Box Beam Plan and Elevation – Pier 1
37 Box Beam Plan and Elevation – Pier 2
38 Box Beam Details (1 of 3)
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40 Box Beam Details (3 of 3)
41 Box Beam Moment and Reaction Tables
42 Conceptual Erection Sequence
43 Fixed HLMR Disc Bearing Details
44 Guided Expansion HLMR Disc Bearing Details
45 Elastomeric Expansion Bearing Details – Type I
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48 West Abutment Plan and Elevation
49 Abutment Details
50 MSE Wall – General Plan
51 MSE Wall Elevations – East Abutment
52 MSE Wall Elevations – West Abutment and Section
53 Pier Plan
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55 Pier Details (1 of 2)
56 Pier Details (2 of 2)
57 HP Pile Details
58 Soil Boring Logs (1 of 12)
59 Soil Boring Logs (2 of 12)
60 Soil Boring Logs (3 of 12)
61 Soil Boring Logs (4 of 12)
62 Soil Boring Logs (5 of 12)
63 Soil Boring Logs (6 of 12)
64 Soil Boring Logs (7 of 12)
65 Soil Boring Logs (8 of 12)
66 Soil Boring Logs (9 of 12)
67 Soil Boring Logs (10 of 12)
68 Soil Boring Logs (11 of 12)
69 Soil Boring Logs (12 of 12)

GENERAL NOTES

1. Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized bolts in metallized areas. Bolts $\frac{7}{8}$" diameter, holes $\frac{15}{16}$" diameter, unless otherwise noted.

2. Calculated weight of Structural Steel = 1,742,990 lbs

3. All structural steel shall be AASHTO M 270 Grade 50.

4. No field welding is permitted except as specified in the contract documents.

5. Reinforcement bars designated (E) shall be epoxy coated.

6. If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of the additional bracket locations.

7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

8. Concrete sealer shall be applied to designated areas of the piers and abutments.

9. All new structural steel shall be metallized. See Special Provision for "Metallizing of Structural Steel."

10. The interior metallized areas shall be painted with System 1. Exterior fascia areas, bottom of bottom flange areas, and box beams shall be metallized and shop painted using System 3. See painting limits detail on sheet 3 of 69 . The color of the final finish coat of paint shall be Blue, Munsell No. 10B 3/6.

11. It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction.

12. Precast panels for the MSE walls shall be cast using form liners with a simulated limestone surface extending a minimum of 12" below finished grade. The form liner shall match the exact size of each panel such that there are no joints crossing the stone modules. The relief shall be an average of $1\frac{1}{2}$" deep and no greater than $2\frac{1}{2}$" deep at any point. The desired appearance is as follows:



13. Form liners shall be made from high-strength elastomeric urethane and be removable without causing concrete surface damage or weakness in the substrate. Form release agents shall be non-staining, non-residual, non-reactive, and shall not contribute to the degradation of the form liner material.

14. The following form liner manufacturers have been pre-approved to provide the listed pattern for the simulated limestone surface:

    a. Custom Rock International, St. Paul, MN (Jim Rogers; 800-637-2447)
       #1104-R2 $14\frac{3}{4}$" Random Cut Stone or #11016 16" Random Cut Stone
    b. Milestones Incorporated, Hudson, WI (Paul Nasvik; 715-381-9660)
       #MS-1018 16" Weathered Limestone
    c. Architectural Polymers, New Ringgold, PA (Rick Fasching; 610-824-3322)
       #893 14" Quarry Stone or #894 16" Quarry Stone

    Other products will be considered, provided sufficient information is submitted 30-days prior to use to allow the Engineer to determine that products proposed are equivalent to those named.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		11	11
Filter Fabric	Sq. Yd.		11	11
Removal of Existing Structures No. 1	Each	0.5	0.5	1
Protective Shield	Sq. Yd.	929		929
Structure Excavation	Cu. Yd.		595	595
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.		6,700	6,700
Concrete Structures	Cu. Yd.		474.2	474.2
Concrete Superstructure	Cu. Yd.	1,230.9		1,230.9
Protective Coat	Sq. Yd.	4,398		4,398
Concrete Superstructure (Approach Slab)	Cu. Yd.	168.2		168.2
Furnishing and Erecting Structural Steel	L. Sum	0.6		0.6
Stud Shear Connectors	Each	12,364		12,364
Reinforcement Bars, Epoxy Coated	Pound	361,990	67,210	429,200
Furnishing Steel Piles HP12X63	Foot		1,638	1,638
Furnishing Steel Piles HP14X89	Foot		2,475	2,475
Driving Piles	Foot		4,113	4,113
Test Pile Steel HP12X63	Each		2	2
Test Pile Steel HP14X89	Each		4	4
Pile Shoes	Each		92	92
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	108.0		108.0
Elastomeric Bearing Assembly, Type I	Each		7	7
Elastomeric Bearing Assembly, Type II	Each		7	7
Anchor Bolts, 1"	Each		28	28
Anchor Bolts, 1 1/2"	Each		28	28
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.		10,271	10,271
Drainage System for Structures	L. Sum	1		1
Concrete Sealer	Sq. Ft.		4,300	4,300
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,429		1,429
High Load Multi-Rotational Bearings, Disc, Fixed-1250K	Each		1	1
High Load Multi-Rotational Bearings, Disc, Fixed-2000K	Each		1	1
High Load Multi-Rotational Bearings, Disc, Guided Expansion-1250K	Each		1	1
High Load Multi-Rotational Bearings, Disc, Guided Expansion-2000K	Each		1	1
Drainage Scuppers, DS-12	Each	4		4
Diamond Grinding (Bridge Section)	Sq. Yd.	2,873		2,873
Rock Fill	Cu. Yd.		10,846	10,846

15. Form liners shall be used in accordance with the manufacturer's recommendations, including, but not limited to, installation and removal methods, form release agents, cleaning procedures, inspection procedures, repair procedures, curing methods, concrete slump requirements, and consolidation methods to achieve the highest quality concrete appearance possible. Manufacturer recommendations shall not supplant requirements listed elsewhere in the Contract Documents without prior approval from the Engineer.

16. The finished exposed formed concrete surfaces shall be free of visible vertical seams, horizontal seams, and butt joint marks after removing the form liners. Grinding and chipping of finished formed surfaces shall be avoided.

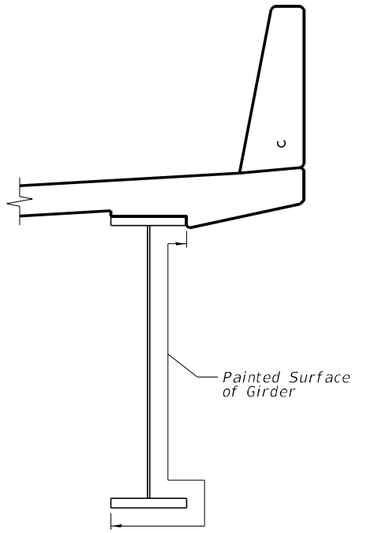
17. The Contractor shall provide a full-size precast panel mockup containing the form liner surface. Upon receipt of comments from inspection of the mockup, adjustments or corrections shall be made where imperfections are found. If required, additional mockups shall be prepared when the initial mockup is found to be unsatisfactory.

18. All work and materials associated with form liners and mockups, including adjustments or corrections needed to address mockup comments and additional mockups, if required, will not be paid for separately but shall be included in the cost of Mechanically Stabilized Earth Retaining Wall.

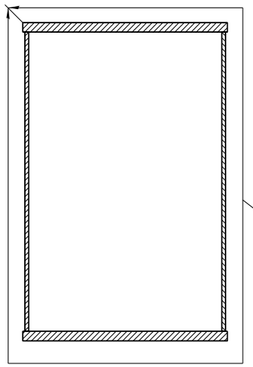
19. Abutment lengths and coping widths are based on a precast panel thickness of $5\frac{1}{2}$" for the MSE walls. Adjust abutment lengths and coping widths as needed for final panel thickness with form liner (see sheets 49 - 52 of 69 for details).

20. Protective shield shall be installed in the existing spans over U.S. 20 from Pier 1 to the W. Abut. (approx. 28'-0"x298'-6") per Article 501.03 of the Standard Specifications.

21. The existing structure (SN 101-0136) carrying I-39 S.B.L. (Ramp BD) over U.S. 20 is located east of the proposed structure and shall be removed per Article 501.04 of the Standard Specifications. See Staging Plans in the Roadway Plans for timing of removal and related staging information. Please reference the "Additional Information" provided to bidders for existing structure plans.

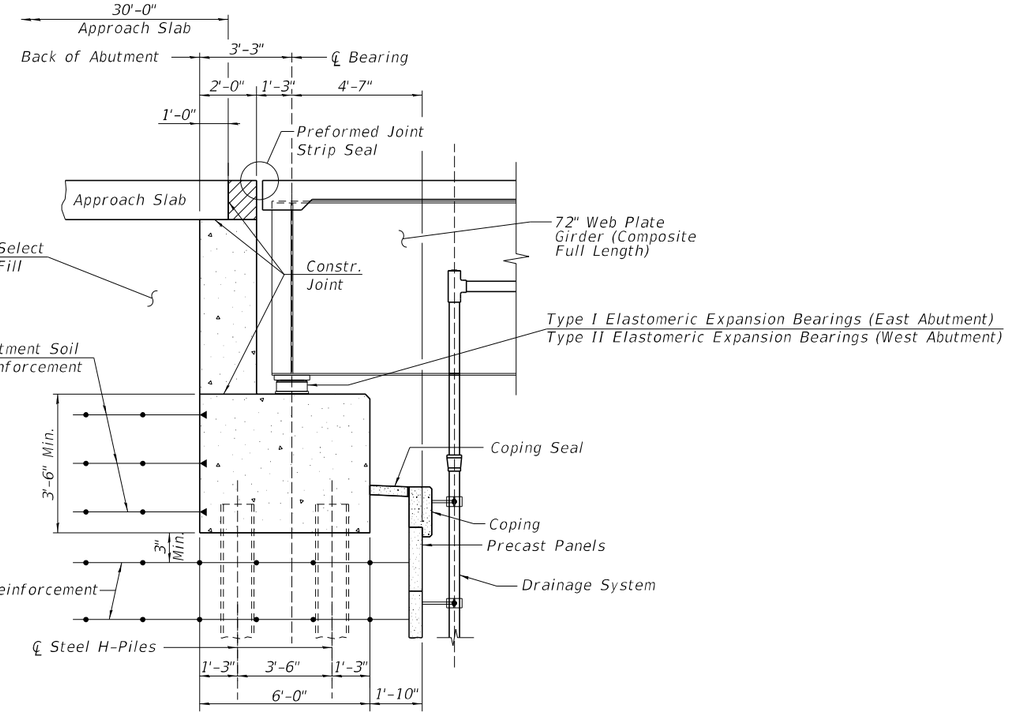


EXTERIOR FASCIAS



BOX BEAM PIER CAPS

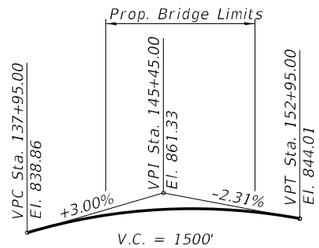
PAINTING LIMITS
(System 3)



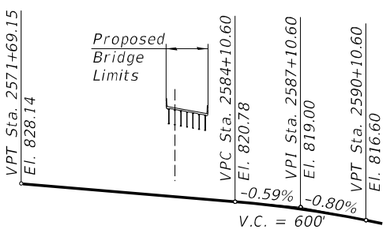
SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. Angles)

STATION 147+59.66
BUILT 202_ BY
STATE OF ILLINOIS
F.A.I. RT. 39
SEC. (201-3)K
LOADING HL-93
STRUCTURE NO. 101-0215

NAME PLATE
See Std. 515001



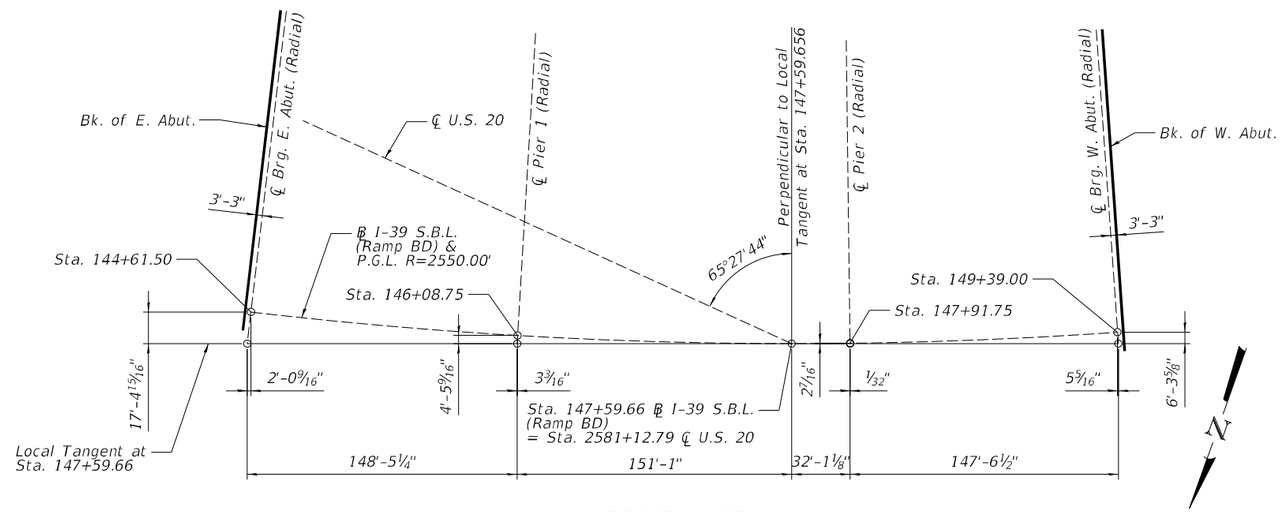
PROFILE GRADE
Along ℄ I-39 S.B.L. (Ramp BD). The Profile Grade shows the Final Elevations after grinding.



PROFILE GRADE
Along U.S. 20 Inside E.O.P.

CURVE DATA - ℄ I-39 S.B.L. (RAMP BD)

P.I. = Sta. 169+10.06
Δ = 107°00'24" (Lt.)
D = 2°14'49"
R = 2,550.00'
L = 4,762.42'
T = 3,446.54'
E = 1,737.32'
P.C. = Sta. 134+63.52
P.T. = Sta. 182+25.94
S.E. = 5.75%



OFFSET SKETCH

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800

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	CHECKED - MFH	REVISED -	
PLOT SCALE =	DRAWN - KMS	REVISED -	
PLOT DATE =	CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS
STRUCTURE NO. 101-0215
SHEET 3 OF 69 SHEETS

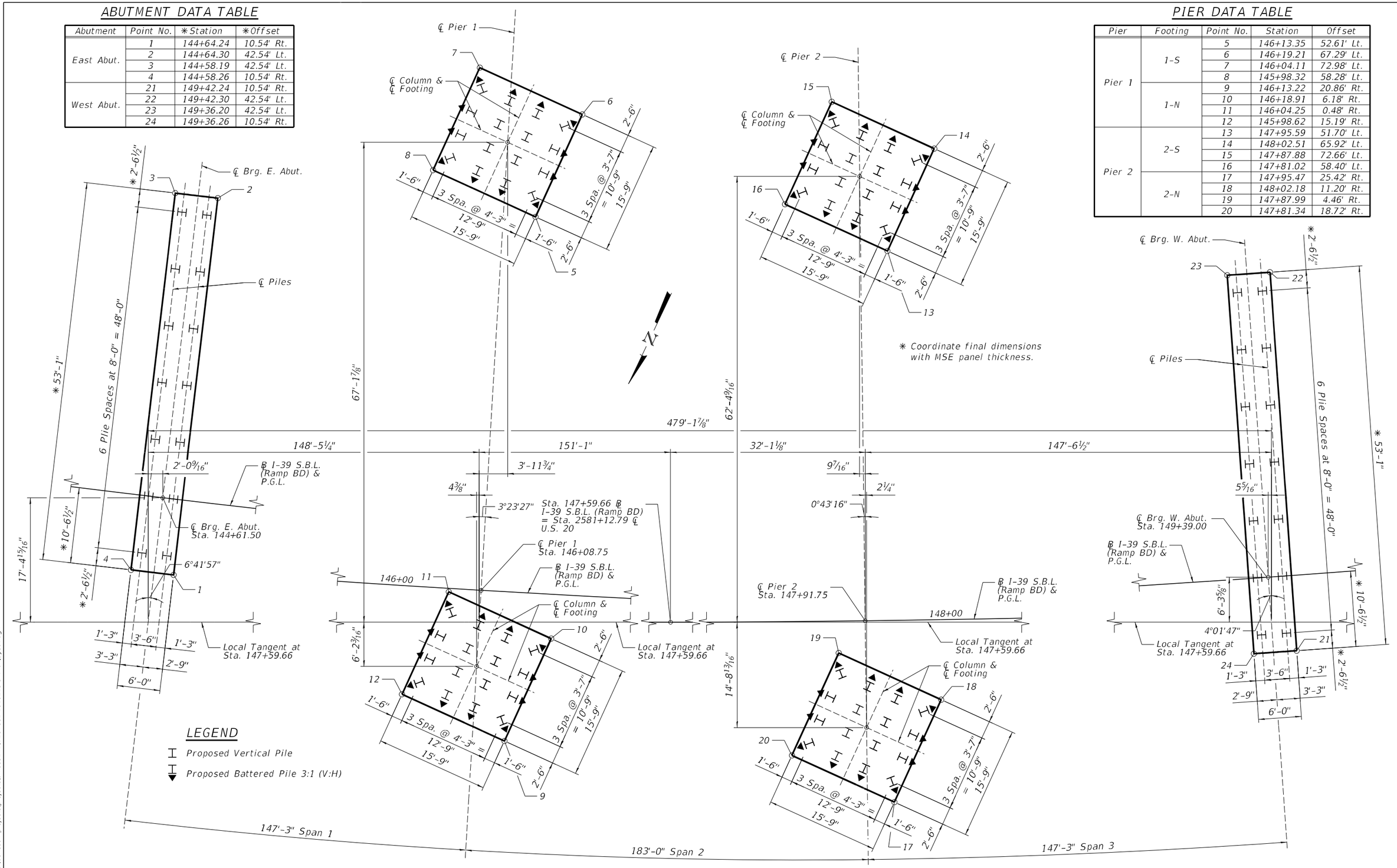
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39	(201-3)K	WINNEBAGO	2192	770
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

ABUTMENT DATA TABLE

Abutment	Point No.	✳Station	✳Offset
East Abut.	1	144+64.24	10.54' Rt.
	2	144+64.30	42.54' Lt.
	3	144+58.19	42.54' Lt.
	4	144+58.26	10.54' Rt.
West Abut.	21	149+42.24	10.54' Rt.
	22	149+42.30	42.54' Lt.
	23	149+36.20	42.54' Lt.
	24	149+36.26	10.54' Rt.

PIER DATA TABLE

Pier	Footing	Point No.	Station	Offset
Pier 1	1-S	5	146+13.35	52.61' Lt.
		6	146+19.21	67.29' Lt.
		7	146+04.11	72.98' Lt.
		8	145+98.32	58.28' Lt.
	1-N	9	146+13.22	20.86' Rt.
		10	146+18.91	6.18' Rt.
		11	146+04.25	0.48' Rt.
		12	145+98.62	15.19' Rt.
Pier 2	2-S	13	147+95.59	51.70' Lt.
		14	148+02.51	65.92' Lt.
		15	147+87.88	72.66' Lt.
		16	147+81.02	58.40' Lt.
	2-N	17	147+95.47	25.42' Rt.
		18	148+02.18	11.20' Rt.
		19	147+87.99	4.46' Rt.
		20	147+81.34	18.72' Rt.



✳ Coordinate final dimensions with MSE panel thickness.

LEGEND

- Proposed Vertical Pile
- Proposed Battered Pile 3:1 (V:H)

FOUNDATION PLAN

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
3124560450 Job No. 10800

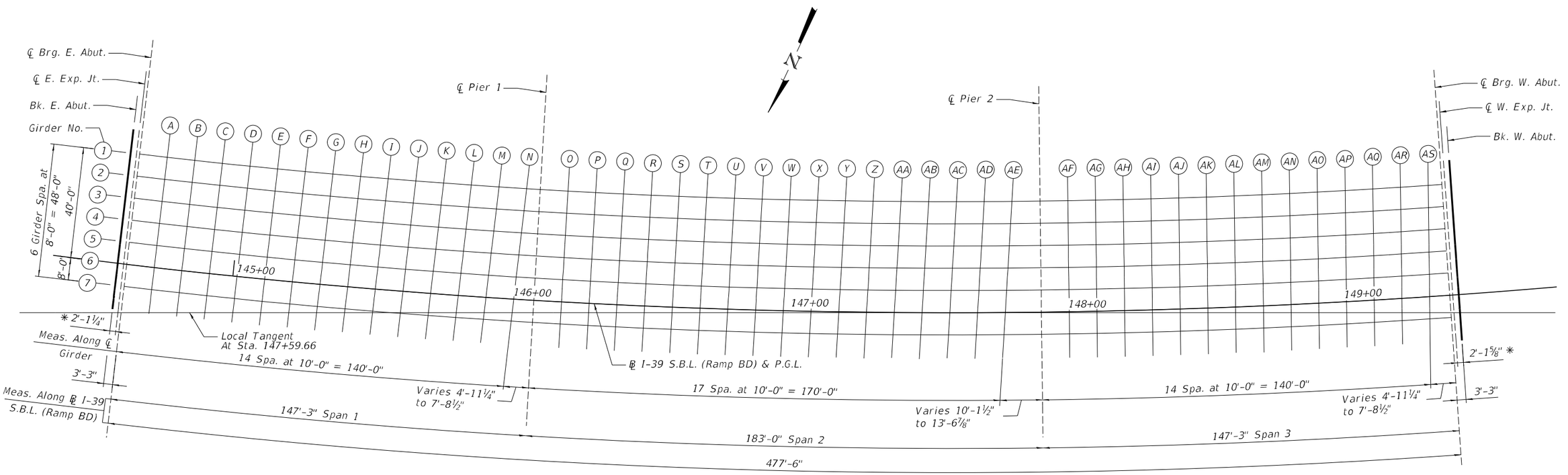
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PLOT DATE =	CHECKED - MFH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOUNDATION LAYOUT PLAN
STRUCTURE NO. 101-0215
SHEET 4 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	771
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



PLAN

* Dimension to ℄ exp. joint based on rolled rail joint. See sheet 21 of 69 for details.

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800

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	CHECKED - MFH	REVISED -
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PLOT DATE =	CHECKED - MFH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS PLAN
STRUCTURE NO. 101-0215
SHEET 5 OF 69 SHEETS

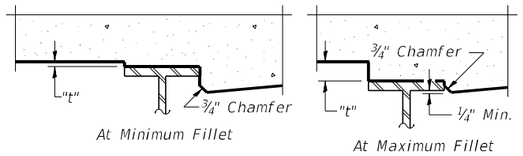
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	772
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.20	-40.00	848.65	848.67
CL. E. EXP. JT.	144+60.33	-40.00	848.67	848.69
CL. BRG. E. ABUT.	144+61.50	-40.00	848.67	848.69
A	144+71.66	-40.00	848.74	848.80
B	144+81.82	-40.00	848.80	848.90
C	144+91.98	-40.00	848.85	848.99
D	145+02.14	-40.00	848.90	849.06
E	145+12.30	-40.00	848.95	849.13
F	145+22.45	-40.00	849.00	849.18
G	145+32.61	-40.00	849.04	849.22
H	145+42.77	-40.00	849.07	849.25
I	145+52.93	-40.00	849.11	849.27
J	145+63.09	-40.00	849.14	849.28
K	145+73.25	-40.00	849.17	849.29
L	145+83.41	-40.00	849.19	849.29
M	145+93.57	-40.00	849.21	849.30
N	146+03.73	-40.00	849.22	849.30
CL. PIER 1	146+08.75	-40.00	849.23	849.31
O	146+18.91	-40.00	849.24	849.32
P	146+29.07	-40.00	849.25	849.35
Q	146+39.23	-40.00	849.25	849.37
R	146+49.39	-40.00	849.25	849.39
S	146+59.55	-40.00	849.24	849.41
T	146+69.70	-40.00	849.24	849.43
U	146+79.86	-40.00	849.22	849.44
V	146+90.02	-40.00	849.21	849.44
W	147+00.18	-40.00	849.19	849.42
X	147+10.34	-40.00	849.17	849.40
Y	147+20.50	-40.00	849.14	849.36
Z	147+30.66	-40.00	849.11	849.32
AA	147+40.82	-40.00	849.08	849.26
AB	147+50.98	-40.00	849.04	849.20
AC	147+61.14	-40.00	849.00	849.13
AD	147+71.30	-40.00	848.95	849.06
AE	147+81.46	-40.00	848.91	849.00
CL. PIER 2	147+91.75	-40.00	848.85	848.94
AF	148+01.91	-40.00	848.80	848.89
AG	148+12.07	-40.00	848.74	848.84
AH	148+22.23	-40.00	848.68	848.79
AI	148+32.39	-40.00	848.61	848.74
AJ	148+42.55	-40.00	848.54	848.69
AK	148+52.70	-40.00	848.46	848.64
AL	148+62.86	-40.00	848.39	848.57
AM	148+73.02	-40.00	848.31	848.49
AN	148+83.18	-40.00	848.22	848.41
AO	148+93.34	-40.00	848.13	848.30
AP	149+03.50	-40.00	848.04	848.19
AQ	149+13.66	-40.00	847.94	848.07
AR	149+23.82	-40.00	847.85	847.93
AS	149+33.98	-40.00	847.74	847.78
CL. BRG. W. ABUT.	149+39.00	-40.00	847.69	847.71
CL. W. EXP. JT.	149+40.13	-40.00	847.68	847.70
BK. W. ABUT.	149+42.30	-40.00	847.66	847.68

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.21	-32.00	849.11	849.13
CL. E. EXP. JT.	144+60.34	-32.00	849.13	849.15
CL. BRG. E. ABUT.	144+61.50	-32.00	849.13	849.15
A	144+71.63	-32.00	849.20	849.26
B	144+81.75	-32.00	849.25	849.35
C	144+91.88	-32.00	849.31	849.44
D	145+02.01	-32.00	849.36	849.52
E	145+12.13	-32.00	849.41	849.58
F	145+22.26	-32.00	849.46	849.64
G	145+32.39	-32.00	849.50	849.68
H	145+42.52	-32.00	849.53	849.71
I	145+52.64	-32.00	849.57	849.73
J	145+62.77	-32.00	849.60	849.74
K	145+72.90	-32.00	849.62	849.75
L	145+83.02	-32.00	849.65	849.75
M	145+93.15	-32.00	849.67	849.76
N	146+03.28	-32.00	849.68	849.77
CL. PIER 1	146+08.75	-32.00	849.69	849.78
O	146+18.88	-32.00	849.70	849.79
P	146+29.00	-32.00	849.71	849.81
Q	146+39.13	-32.00	849.71	849.83
R	146+49.26	-32.00	849.71	849.85
S	146+59.38	-32.00	849.70	849.87
T	146+69.51	-32.00	849.70	849.89
U	146+79.64	-32.00	849.68	849.89
V	146+89.77	-32.00	849.67	849.89
W	146+99.89	-32.00	849.65	849.88
X	147+10.02	-32.00	849.63	849.85
Y	147+20.15	-32.00	849.60	849.82
Z	147+30.27	-32.00	849.57	849.77
AA	147+40.40	-32.00	849.54	849.72
AB	147+50.53	-32.00	849.50	849.66
AC	147+60.65	-32.00	849.46	849.59
AD	147+70.78	-32.00	849.42	849.53
AE	147+80.91	-32.00	849.37	849.47
CL. PIER 2	147+91.75	-32.00	849.31	849.41
AF	148+01.88	-32.00	849.26	849.36
AG	148+12.00	-32.00	849.20	849.31
AH	148+22.13	-32.00	849.14	849.26
AI	148+32.26	-32.00	849.07	849.21
AJ	148+42.38	-32.00	849.00	849.15
AK	148+52.51	-32.00	848.93	849.10
AL	148+62.64	-32.00	848.85	849.03
AM	148+72.77	-32.00	848.77	848.96
AN	148+82.89	-32.00	848.68	848.87
AO	148+93.02	-32.00	848.60	848.77
AP	149+03.15	-32.00	848.50	848.65
AQ	149+13.27	-32.00	848.41	848.53
AR	149+23.40	-32.00	848.31	848.39
AS	149+33.53	-32.00	848.21	848.25
CL. BRG. W. ABUT.	149+39.00	-32.00	848.15	848.17
CL. W. EXP. JT.	149+40.13	-32.00	848.14	848.16
BK. W. ABUT.	149+42.29	-32.00	848.12	848.14

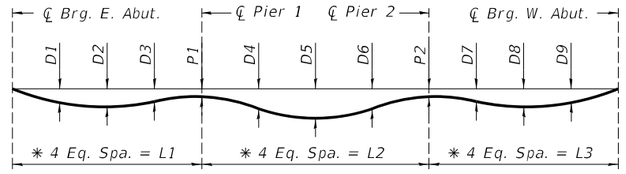


To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown on sheet 5 of 69 . These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on this sheet and on sheets 7 and 8 of 69 , minus the 8¼" slab thickness, equals the fillet heights "t" above top flange of girders.

The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on this sheet and on sheet 7 and 8 of 69 . For grinding the deck, see Special Provisions.

FILLET HEIGHTS

* See sheet 31 of 69 for dimensions L1 thru L3.



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on this sheet and sheets 7 and 8 of 69 .

DEAD LOAD DEFLECTION TABLE

Girder	Span 1				Span 2				Span 3		
	D1	D2	D3	P1	D4	D5	D6	P2	D7	D8	D9
1	1⅜"	1⅞"	1¼"	⅝"	1⅝"	2⅝"	1¾"	¾"	1¼"	2"	1⅝"
2	1½"	1⅞"	1¼"	¾"	1⅝"	2½"	1¾"	⅞"	1⅜"	2"	1⅝"
3	1½"	1⅞"	1¼"	¾"	1⅝"	2⅜"	1¾"	1"	1⅜"	2"	1⅝"
4	1½"	1⅞"	1¼"	¾"	1½"	2⅜"	1⅝"	⅞"	1⅜"	2"	1⅝"
5	1½"	1¾"	1⅛"	⅝"	1⅜"	2¼"	1⅝"	¾"	1¼"	1⅞"	1⅝"
6	1½"	1¾"	⅞"	⅜"	1¼"	2⅛"	1½"	⅝"	1⅛"	1⅞"	1⅝"
7	1½"	1¾"	¾"	⅛"	1⅛"	2⅛"	1⅜"	¼"	1"	1⅞"	1⅝"

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450
Job No. 10800

USER NAME =	DESIGNED - EAO	REVISED -	
	CHECKED - MFH	REVISED -	
PLOT SCALE =	DRAWN - EAO	REVISED -	
PLOT DATE =	CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (1 OF 3)
STRUCTURE NO. 101-0215
SHEET 6 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	773
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.22	-24.00	849.57	849.59
CL. E. EXP. JT.	144+60.34	-24.00	849.59	849.61
CL. BRG. E. ABUT.	144+61.50	-24.00	849.59	849.61
A	144+71.59	-24.00	849.66	849.72
B	144+81.69	-24.00	849.71	849.81
C	144+91.78	-24.00	849.77	849.90
D	145+01.88	-24.00	849.82	849.98
E	145+11.97	-24.00	849.87	850.04
F	145+22.07	-24.00	849.91	850.09
G	145+32.16	-24.00	849.96	850.13
H	145+42.26	-24.00	849.99	850.16
I	145+52.35	-24.00	850.03	850.18
J	145+62.45	-24.00	850.06	850.20
K	145+72.54	-24.00	850.08	850.21
L	145+82.64	-24.00	850.11	850.21
M	145+92.73	-24.00	850.13	850.22
N	146+02.83	-24.00	850.14	850.23
CL. PIER 1	146+08.75	-24.00	850.15	850.24
O	146+18.84	-24.00	850.16	850.25
P	146+28.94	-24.00	850.17	850.27
Q	146+39.03	-24.00	850.17	850.29
R	146+49.13	-24.00	850.17	850.31
S	146+59.22	-24.00	850.16	850.33
T	146+69.32	-24.00	850.16	850.34
U	146+79.41	-24.00	850.14	850.35
V	146+89.51	-24.00	850.13	850.34
W	146+99.60	-24.00	850.11	850.33
X	147+09.70	-24.00	850.09	850.31
Y	147+19.79	-24.00	850.06	850.27
Z	147+29.89	-24.00	850.03	850.23
AA	147+39.98	-24.00	850.00	850.18
AB	147+50.08	-24.00	849.96	850.12
AC	147+60.17	-24.00	849.92	850.06
AD	147+70.27	-24.00	849.88	850.00
AE	147+80.36	-24.00	849.83	849.94
CL. PIER 2	147+91.75	-24.00	849.77	849.87
AF	148+01.84	-24.00	849.72	849.82
AG	148+11.94	-24.00	849.66	849.77
AH	148+22.03	-24.00	849.60	849.72
AI	148+32.13	-24.00	849.53	849.67
AJ	148+42.22	-24.00	849.46	849.62
AK	148+52.32	-24.00	849.39	849.56
AL	148+62.41	-24.00	849.31	849.49
AM	148+72.51	-24.00	849.23	849.42
AN	148+82.60	-24.00	849.15	849.33
AO	148+92.70	-24.00	849.06	849.23
AP	149+02.79	-24.00	848.97	849.12
AQ	149+12.89	-24.00	848.87	848.99
AR	149+22.98	-24.00	848.77	848.86
AS	149+33.08	-24.00	848.67	848.72
CL. BRG. W. ABUT.	149+39.00	-24.00	848.61	848.63
CL. W. EXP. JT.	149+40.12	-24.00	848.60	848.62
BK. W. ABUT.	149+42.28	-24.00	848.58	848.60

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.23	-16.00	850.03	850.05
CL. E. EXP. JT.	144+60.35	-16.00	850.05	850.07
CL. BRG. E. ABUT.	144+61.50	-16.00	850.05	850.07
A	144+71.56	-16.00	850.12	850.18
B	144+81.62	-16.00	850.17	850.27
C	144+91.69	-16.00	850.23	850.36
D	145+01.75	-16.00	850.28	850.44
E	145+11.81	-16.00	850.33	850.50
F	145+21.88	-16.00	850.37	850.55
G	145+31.94	-16.00	850.41	850.59
H	145+42.00	-16.00	850.45	850.62
I	145+52.07	-16.00	850.49	850.64
J	145+62.13	-16.00	850.52	850.65
K	145+72.19	-16.00	850.54	850.66
L	145+82.26	-16.00	850.57	850.67
M	145+92.32	-16.00	850.59	850.68
N	146+02.38	-16.00	850.60	850.69
CL. PIER 1	146+08.75	-16.00	850.61	850.69
O	146+18.81	-16.00	850.62	850.71
P	146+28.87	-16.00	850.63	850.72
Q	146+38.94	-16.00	850.63	850.74
R	146+49.00	-16.00	850.63	850.76
S	146+59.06	-16.00	850.62	850.78
T	146+69.13	-16.00	850.62	850.79
U	146+79.19	-16.00	850.60	850.80
V	146+89.25	-16.00	850.59	850.80
W	146+99.32	-16.00	850.57	850.79
X	147+09.38	-16.00	850.55	850.76
Y	147+19.44	-16.00	850.52	850.73
Z	147+29.51	-16.00	850.49	850.69
AA	147+39.57	-16.00	850.46	850.63
AB	147+49.63	-16.00	850.42	850.58
AC	147+59.70	-16.00	850.38	850.52
AD	147+69.76	-16.00	850.34	850.46
AE	147+79.82	-16.00	850.29	850.40
CL. PIER 2	147+91.75	-16.00	850.23	850.33
AF	148+01.81	-16.00	850.18	850.28
AG	148+11.87	-16.00	850.12	850.23
AH	148+21.94	-16.00	850.06	850.18
AI	148+32.00	-16.00	849.99	850.13
AJ	148+42.06	-16.00	849.92	850.08
AK	148+52.13	-16.00	849.85	850.02
AL	148+62.19	-16.00	849.77	849.95
AM	148+72.25	-16.00	849.69	849.88
AN	148+82.32	-16.00	849.61	849.79
AO	148+92.38	-16.00	849.52	849.69
AP	149+02.44	-16.00	849.43	849.58
AQ	149+12.51	-16.00	849.34	849.46
AR	149+22.57	-16.00	849.24	849.33
AS	149+32.63	-16.00	849.14	849.18
CL. BRG. W. ABUT.	149+39.00	-16.00	849.07	849.09
CL. W. EXP. JT.	149+40.12	-16.00	849.06	849.08
BK. W. ABUT.	149+42.27	-16.00	849.04	849.06

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.24	-8.00	850.49	850.51
CL. E. EXP. JT.	144+60.35	-8.00	850.51	850.53
CL. BRG. E. ABUT.	144+61.50	-8.00	850.51	850.53
A	144+71.53	-8.00	850.57	850.64
B	144+81.56	-8.00	850.63	850.73
C	144+91.59	-8.00	850.69	850.82
D	145+01.62	-8.00	850.74	850.89
E	145+11.66	-8.00	850.79	850.96
F	145+21.69	-8.00	850.83	851.01
G	145+31.72	-8.00	850.87	851.05
H	145+41.75	-8.00	850.91	851.08
I	145+51.78	-8.00	850.95	851.09
J	145+61.81	-8.00	850.98	851.11
K	145+71.84	-8.00	851.00	851.11
L	145+81.88	-8.00	851.03	851.12
M	145+91.91	-8.00	851.04	851.13
N	146+01.94	-8.00	851.06	851.13
CL. PIER 1	146+08.75	-8.00	851.07	851.14
O	146+18.78	-8.00	851.08	851.15
P	146+28.81	-8.00	851.09	851.17
Q	146+38.84	-8.00	851.09	851.19
R	146+48.87	-8.00	851.09	851.21
S	146+58.91	-8.00	851.08	851.23
T	146+68.94	-8.00	851.08	851.25
U	146+78.97	-8.00	851.07	851.25
V	146+89.00	-8.00	851.05	851.25
W	146+99.03	-8.00	851.03	851.24
X	147+09.06	-8.00	851.01	851.22
Y	147+19.09	-8.00	850.98	851.19
Z	147+29.13	-8.00	850.96	851.14
AA	147+39.16	-8.00	850.92	851.09
AB	147+49.19	-8.00	850.89	851.03
AC	147+59.22	-8.00	850.85	850.97
AD	147+69.25	-8.00	850.80	850.91
AE	147+79.28	-8.00	850.76	850.85
CL. PIER 2	147+91.75	-8.00	850.69	850.78
AF	148+01.78	-8.00	850.64	850.73
AG	148+11.81	-8.00	850.58	850.68
AH	148+21.84	-8.00	850.52	850.63
AI	148+31.87	-8.00	850.45	850.58
AJ	148+41.91	-8.00	850.38	850.53
AK	148+51.94	-8.00	850.31	850.48
AL	148+61.97	-8.00	850.23	850.41
AM	148+72.00	-8.00	850.15	850.34
AN	148+82.03	-8.00	850.07	850.25
AO	148+92.06	-8.00	849.98	850.16
AP	149+02.09	-8.00	849.89	850.05
AQ	149+12.13	-8.00	849.80	849.92
AR	149+22.16	-8.00	849.70	849.79
AS	149+32.19	-8.00	849.60	849.65
CL. BRG. W. ABUT.	149+39.00	-8.00	849.53	849.55
CL. W. EXP. JT.	149+40.12	-8.00	849.52	849.54
BK. W. ABUT.	149+42.26	-8.00	849.50	849.52

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800

USER NAME =		DESIGNED - EAO	REVISED -	
		CHECKED - MFH	REVISED -	
PLOT SCALE =		DRAWN - EAO	REVISED -	
PLOT DATE =		CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (2 OF 3)
STRUCTURE NO. 101-0215
SHEET 7 OF 69 SHEETS

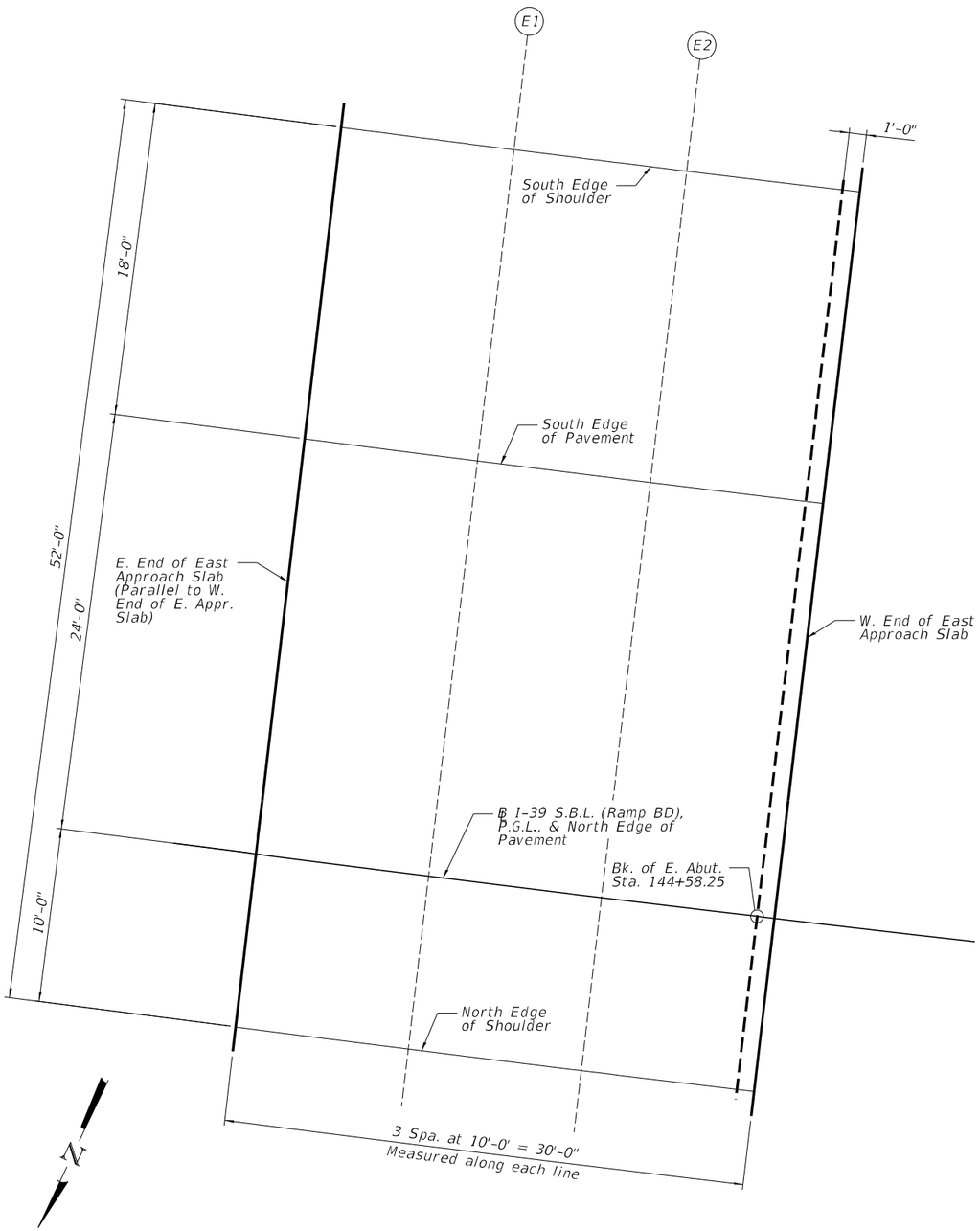
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	774
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

℄ I-39 S.B.L. (RAMP BD), P.G.L., & GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.25	0.00	850.95	850.97
CL. E. EXP. JT.	144+60.35	0.00	850.97	850.99
CL. BRG. E. ABUT.	144+61.50	0.00	850.97	850.99
A	144+71.50	0.00	851.03	851.10
B	144+81.50	0.00	851.09	851.19
C	144+91.50	0.00	851.15	851.28
D	145+01.50	0.00	851.20	851.35
E	145+11.50	0.00	851.25	851.41
F	145+21.50	0.00	851.29	851.46
G	145+31.50	0.00	851.33	851.50
H	145+41.50	0.00	851.37	851.53
I	145+51.50	0.00	851.40	851.54
J	145+61.50	0.00	851.43	851.55
K	145+71.50	0.00	851.46	851.56
L	145+81.50	0.00	851.48	851.56
M	145+91.50	0.00	851.50	851.57
N	146+01.50	0.00	851.52	851.58
CL. PIER 1	146+08.75	0.00	851.53	851.58
O	146+18.75	0.00	851.54	851.60
P	146+28.75	0.00	851.55	851.62
Q	146+38.75	0.00	851.55	851.64
R	146+48.75	0.00	851.55	851.66
S	146+58.75	0.00	851.54	851.68
T	146+68.75	0.00	851.54	851.70
U	146+78.75	0.00	851.53	851.70
V	146+88.75	0.00	851.51	851.70
W	146+98.75	0.00	851.49	851.69
X	147+08.75	0.00	851.47	851.67
Y	147+18.75	0.00	851.45	851.64
Z	147+28.75	0.00	851.42	851.60
AA	147+38.75	0.00	851.38	851.54
AB	147+48.75	0.00	851.35	851.48
AC	147+58.75	0.00	851.31	851.42
AD	147+68.75	0.00	851.27	851.36
AE	147+78.75	0.00	851.22	851.30
CL. PIER 2	147+91.75	0.00	851.15	851.22
AF	148+01.75	0.00	851.10	851.17
AG	148+11.75	0.00	851.04	851.12
AH	148+21.75	0.00	850.98	851.08
AI	148+31.75	0.00	850.91	851.03
AJ	148+41.75	0.00	850.84	850.98
AK	148+51.75	0.00	850.77	850.93
AL	148+61.75	0.00	850.70	850.87
AM	148+71.75	0.00	850.62	850.80
AN	148+81.75	0.00	850.53	850.71
AO	148+91.75	0.00	850.45	850.62
AP	149+01.75	0.00	850.36	850.51
AQ	149+11.75	0.00	850.26	850.39
AR	149+21.75	0.00	850.17	850.26
AS	149+31.75	0.00	850.07	850.12
CL. BRG. W. ABUT.	149+39.00	0.00	849.99	850.01
CL. W. EXP. JT.	149+40.11	0.00	849.98	850.00
BK. W. ABUT.	149+42.25	0.00	849.96	849.98

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
BK. E. ABUT.	144+58.26	8.00	851.41	851.43
CL. E. EXP. JT.	144+60.36	8.00	851.43	851.45
CL. BRG. E. ABUT.	144+61.50	8.00	851.43	851.45
A	144+71.47	8.00	851.49	851.56
B	144+81.44	8.00	851.55	851.65
C	144+91.40	8.00	851.61	851.74
D	145+01.37	8.00	851.66	851.82
E	145+11.34	8.00	851.71	851.88
F	145+21.31	8.00	851.75	851.93
G	145+31.28	8.00	851.79	851.96
H	145+41.25	8.00	851.83	851.99
I	145+51.22	8.00	851.86	852.00
J	145+61.19	8.00	851.89	852.01
K	145+71.15	8.00	851.92	852.01
L	145+81.12	8.00	851.94	852.01
M	145+91.09	8.00	851.96	852.01
N	146+01.06	8.00	851.98	852.01
CL. PIER 1	146+08.75	8.00	851.99	852.02
O	146+18.72	8.00	852.00	852.04
P	146+28.69	8.00	852.01	852.06
Q	146+38.65	8.00	852.01	852.08
R	146+48.62	8.00	852.01	852.11
S	146+58.59	8.00	852.00	852.13
T	146+68.56	8.00	852.00	852.15
U	146+78.53	8.00	851.99	852.16
V	146+88.50	8.00	851.97	852.16
W	146+98.47	8.00	851.95	852.15
X	147+08.44	8.00	851.93	852.13
Y	147+18.40	8.00	851.91	852.10
Z	147+28.37	8.00	851.88	852.06
AA	147+38.34	8.00	851.85	852.00
AB	147+48.31	8.00	851.81	851.94
AC	147+58.28	8.00	851.77	851.87
AD	147+68.25	8.00	851.73	851.80
AE	147+78.22	8.00	851.68	851.74
CL. PIER 2	147+91.75	8.00	851.61	851.66
AF	148+01.72	8.00	851.56	851.61
AG	148+11.69	8.00	851.50	851.57
AH	148+21.65	8.00	851.44	851.53
AI	148+31.62	8.00	851.37	851.48
AJ	148+41.59	8.00	851.31	851.44
AK	148+51.56	8.00	851.23	851.39
AL	148+61.53	8.00	851.16	851.33
AM	148+71.50	8.00	851.08	851.26
AN	148+81.47	8.00	851.00	851.18
AO	148+91.44	8.00	850.91	851.09
AP	149+01.40	8.00	850.82	850.98
AQ	149+11.37	8.00	850.73	850.86
AR	149+21.34	8.00	850.63	850.73
AS	149+31.31	8.00	850.53	850.58
CL. BRG. W. ABUT.	149+39.00	8.00	850.45	850.47
CL. W. EXP. JT.	149+40.11	8.00	850.44	850.46
BK. W. ABUT.	149+42.24	8.00	850.42	850.44



PLAN
East Approach

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF E. APPR. SLAB	144+28.71	-42.00	848.33	848.35
E1	144+38.88	-42.00	848.40	848.42
E2	144+49.04	-42.00	848.48	848.50
W. END OF E. APPR. SLAB	144+59.21	-42.00	848.54	848.56

SOUTH EDGE OF PAVEMENT

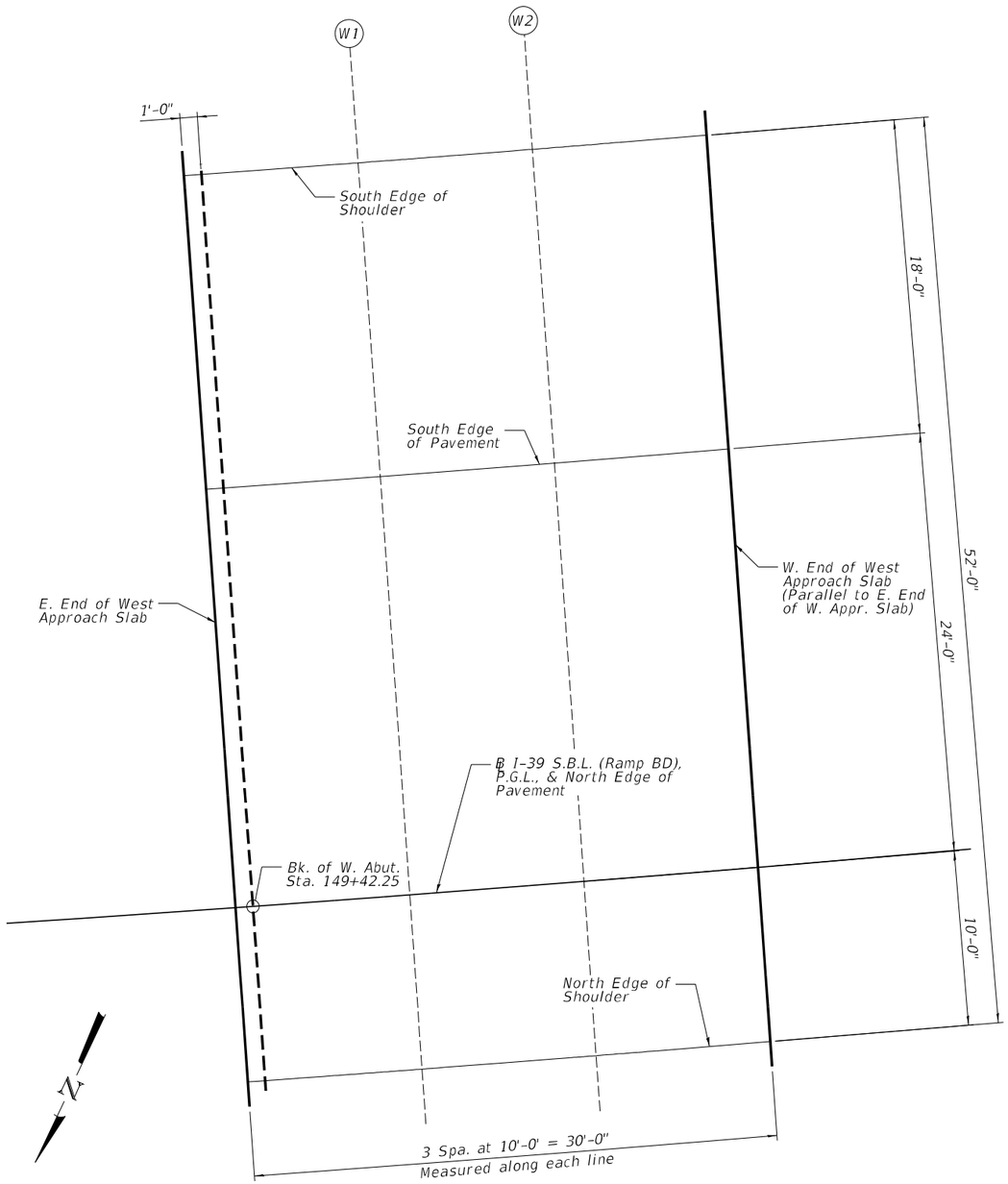
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF E. APPR. SLAB	144+28.94	-24.00	849.37	849.39
E1	144+39.04	-24.00	849.44	849.46
E2	144+49.13	-24.00	849.51	849.53
W. END OF E. APPR. SLAB	144+59.23	-24.00	849.58	849.60

℄ I-39 S.B.L. (RAMP BD), P.G.L., & NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF E. APPR. SLAB	144+29.25	0.00	850.75	850.77
E1	144+39.25	0.00	850.82	850.84
E2	144+49.25	0.00	850.89	850.91
W. END OF E. APPR. SLAB	144+59.25	0.00	850.96	850.98

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF E. APPR. SLAB	144+29.37	10.00	851.32	851.34
E1	144+39.34	10.00	851.40	851.42
E2	144+49.30	10.00	851.47	851.49
W. END OF E. APPR. SLAB	144+59.26	10.00	851.53	851.55



PLAN
West Approach

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF W. APPR. SLAB	149+41.29	-42.00	847.55	847.57
W1	149+51.45	-42.00	847.44	847.46
W2	149+61.62	-42.00	847.33	847.35
W. END OF W. APPR. SLAB	149+71.79	-42.00	847.21	847.23

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF W. APPR. SLAB	149+41.27	-24.00	848.59	848.61
W1	149+51.36	-24.00	848.48	848.50
W2	149+61.46	-24.00	848.37	848.39
W. END OF W. APPR. SLAB	149+71.55	-24.00	848.25	848.27

℄ I-39 S.B.L. (RAMP BD), P.G.L., & NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF W. APPR. SLAB	149+41.25	0.00	849.97	849.99
W1	149+51.25	0.00	849.86	849.88
W2	149+61.25	0.00	849.75	849.77
W. END OF W. APPR. SLAB	149+71.25	0.00	849.63	849.65

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
E. END OF W. APPR. SLAB	149+41.24	10.00	850.54	850.56
W1	149+51.20	10.00	850.43	850.46
W2	149+61.16	10.00	850.32	850.34
W. END OF W. APPR. SLAB	149+71.12	10.00	850.21	850.23

MODEL: sMODELNAMES
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3124960450 Job No. 10800

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	CHECKED - MFH	REVISED -	
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PLOT DATE =	CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
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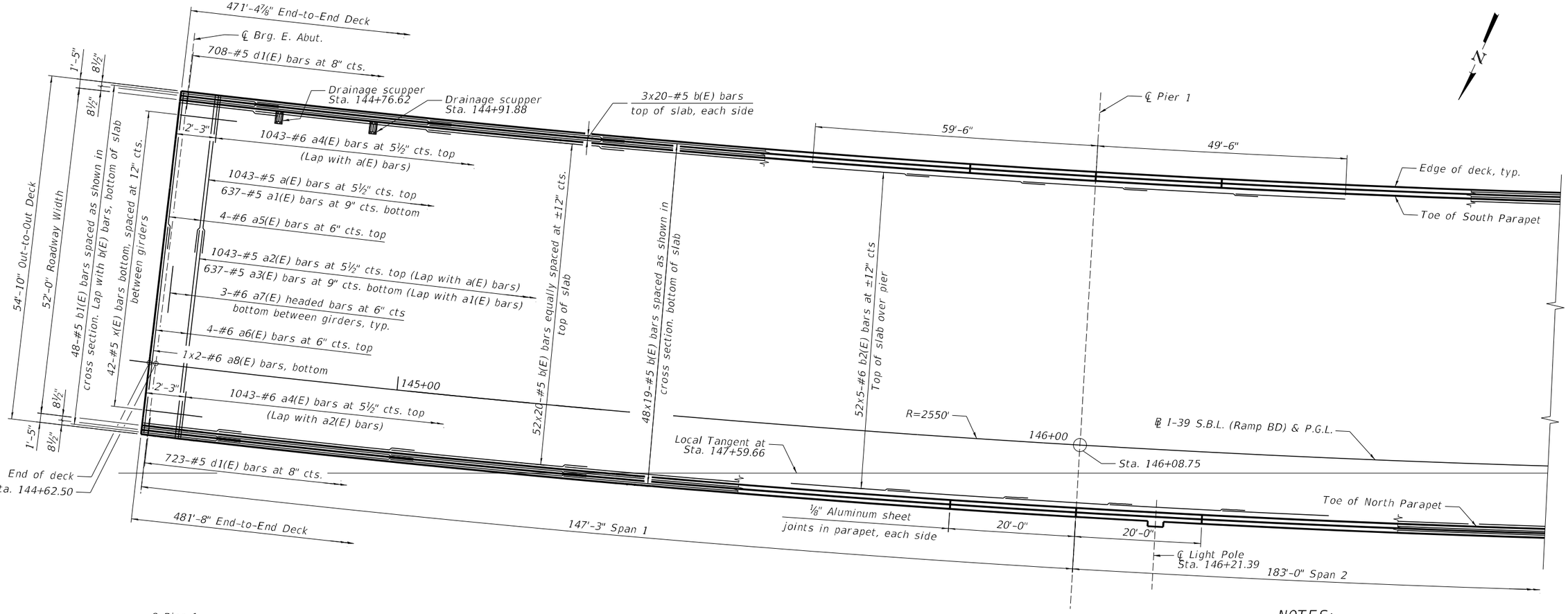
TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 101-0215
SHEET 10 OF 69 SHEETS

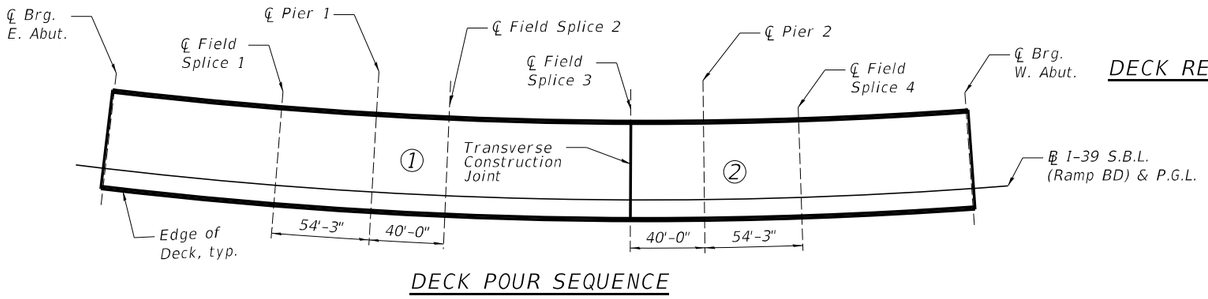
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	777
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 4'-10"





DECK POUR SEQUENCE

DECK REINFORCEMENT PLAN - SPANS 1 AND 2

NOTES:

1. See sheet 16 of 69 for superstructure details and Bill of Material.
2. Bars indicated thus 52x20-#5 etc. indicates 52 lines of bars with 20 lengths per line.
3. Transverse reinforcement centers measured radially along northern edge.
4. See sheet 13 of 69 for Deck Cross Section and Parapet Details.
5. When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as show, the next pour shall not be made until both of the following are met.
   a. At least 72 hours shall have elapsed from the end of the previous pour.
   b. The concrete strength shall have attained a minimum flexural strength of 675 psi or a minimum compressive strength of 4000 psi.

MODEL: SMODELNAMES
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312.565.0450 Job No. 10800

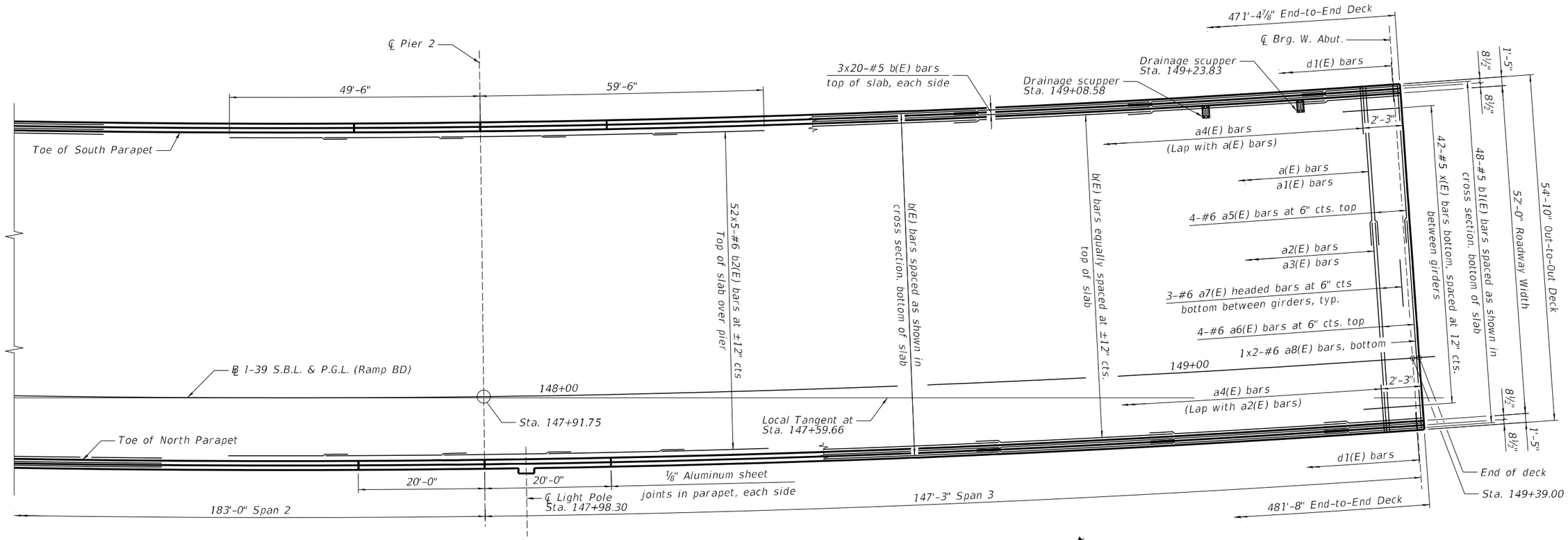
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

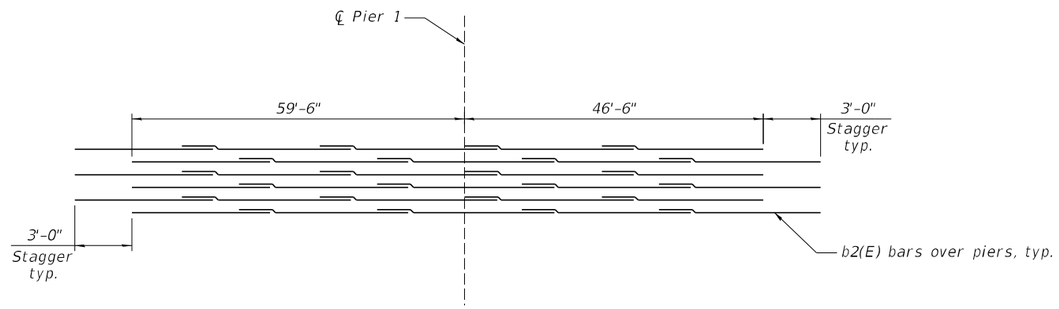
DECK REINFORCEMENT PLAN - SPANS 1 AND 2
STRUCTURE NO. 101-0215
SHEET 11 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	778
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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DECK REINFORCEMENT PLAN - SPANS 2 AND 3



REINFORCEMENT STAGGER DETAIL - PIERS 1 & 2

(See Typical Deck Section for Spacing)
(Pier 1 shown, Pier 2 mirrored)

MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 4'-10"

NOTES:

1. See sheet 16 of 69 for superstructure details and Bill of Material.
2. Bars indicated thus 52x20-#5 etc. indicates 52 lines of bars with 20 lengths per line.
3. Transverse reinforcement centers measured radially along northern edge.
4. See sheet 13 of 69 for Deck Cross Section and Parapet Details.

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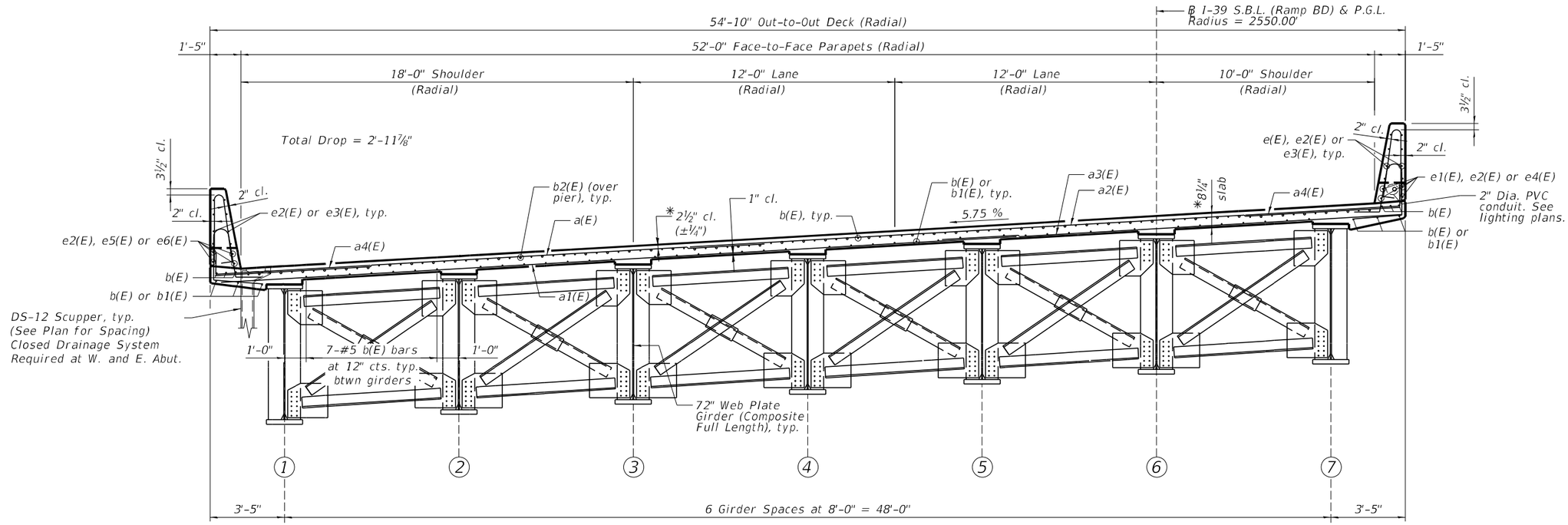
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STATE OF ILLINOIS
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DECK REINFORCEMENT PLAN - SPANS 2 AND 3
STRUCTURE NO. 101-0215
SHEET 12 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

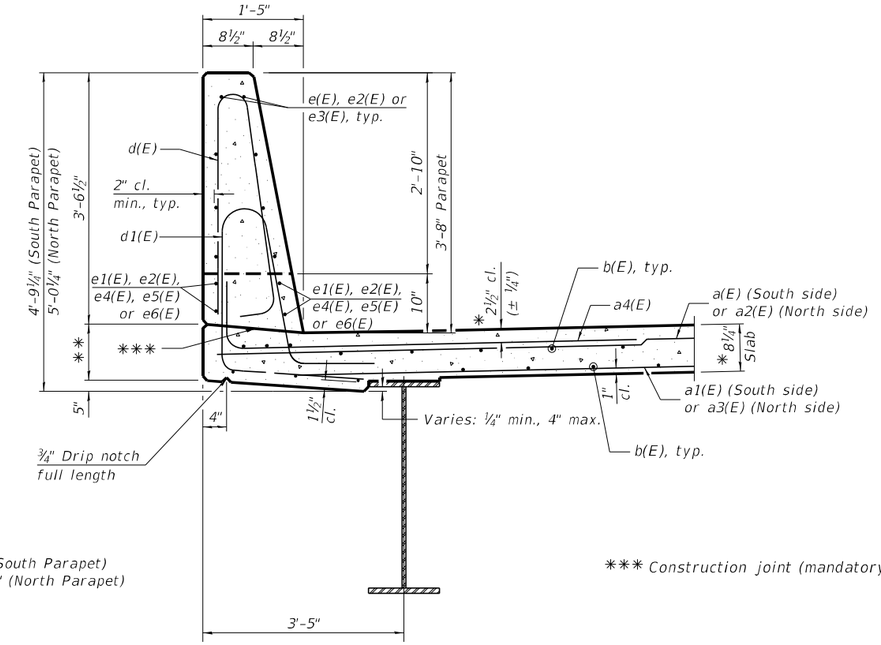
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CROSS SECTION

(Looking West;
Typical interior cross frames at shown, see sheet 32 of 69 for end cross frames)

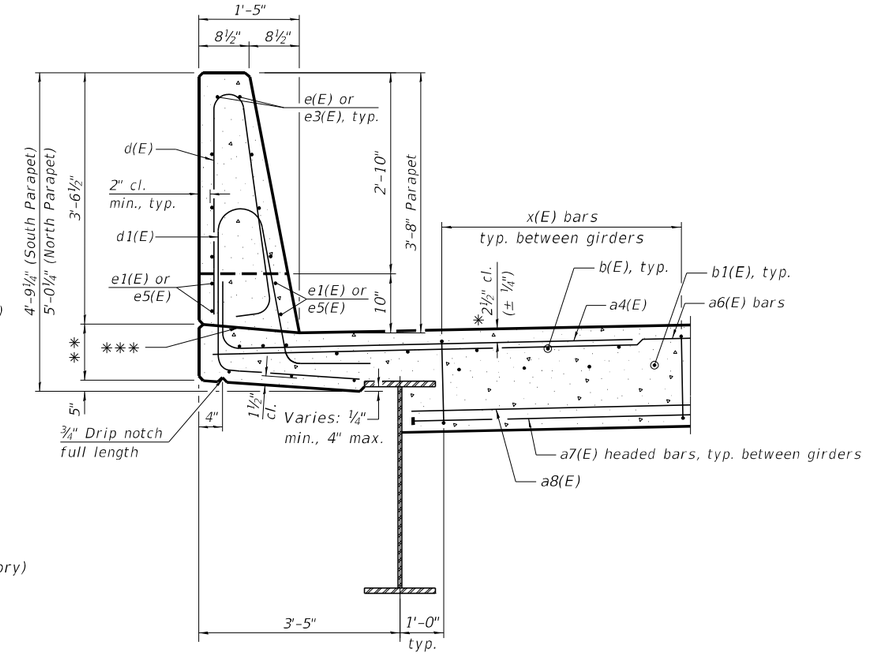
✱ Prior to grinding



✱✱ 9¾" (South Parapet)
1'-0¾" (North Parapet)

✱✱✱ Construction joint (mandatory)

SECTION THRU PARAPET



SECTION THRU PARAPET AT EDGE BEAM

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DEPARTMENT OF TRANSPORTATION

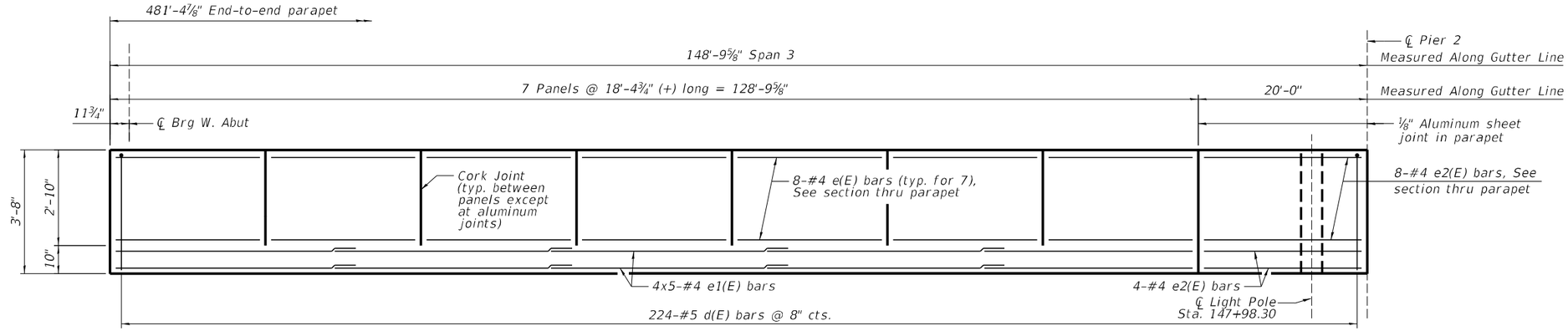
DECK CROSS SECTION
STRUCTURE NO. 101-0215
SHEET 13 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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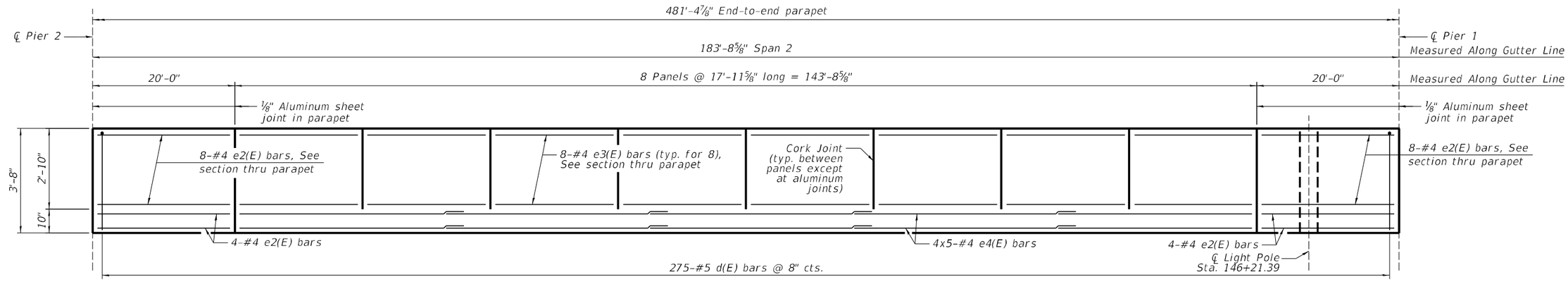
MINIMUM BAR LAP

#4 bar = 2'-5"



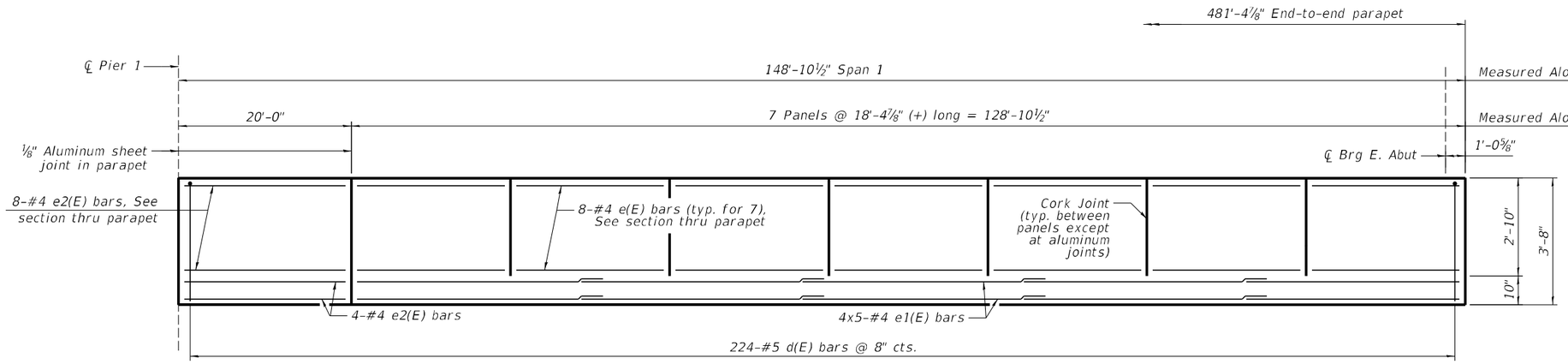
INSIDE ELEVATION OF 44" NORTH PARAPET - SPAN 3

(Looking North)



INSIDE ELEVATION OF 44" NORTH PARAPET - SPAN 2

(Looking North)



INSIDE ELEVATION OF 44" NORTH PARAPET - SPAN 1

(Looking North)

NOTES:

1. Bars indicated thus 4x5-#4 etc. indicated 4 lines if bars with 5 lengths per line.
2. All horizontal dimensions shown are taken at the toe of the parapet.
3. All vertical dimensions are taken at the face of the parapet.
4. Provide expansion / deflection couplings for embedded conduit at parapet expansion joint locations.
5. For sections thru parapets, see sheet 13 of 69 .

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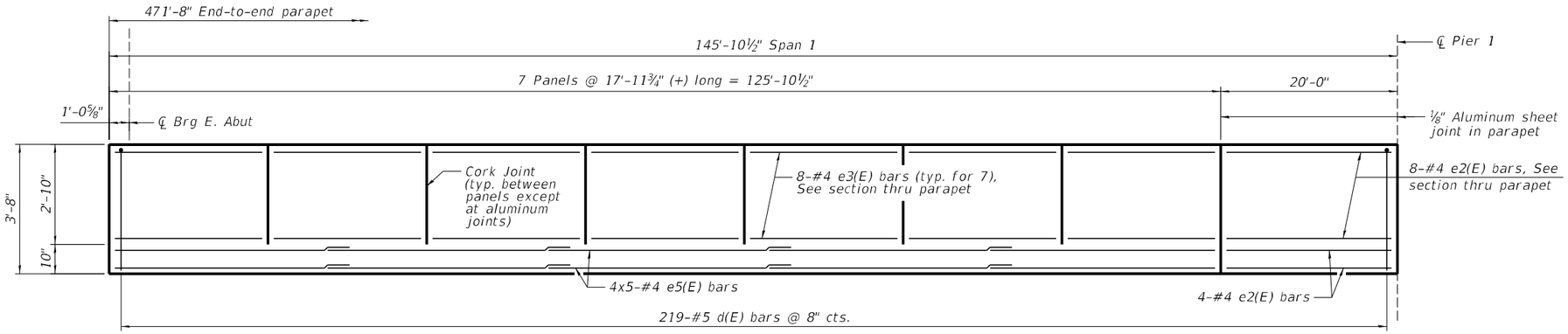
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH PARAPET ELEVATION
STRUCTURE NO. 101-0215
SHEET 14 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

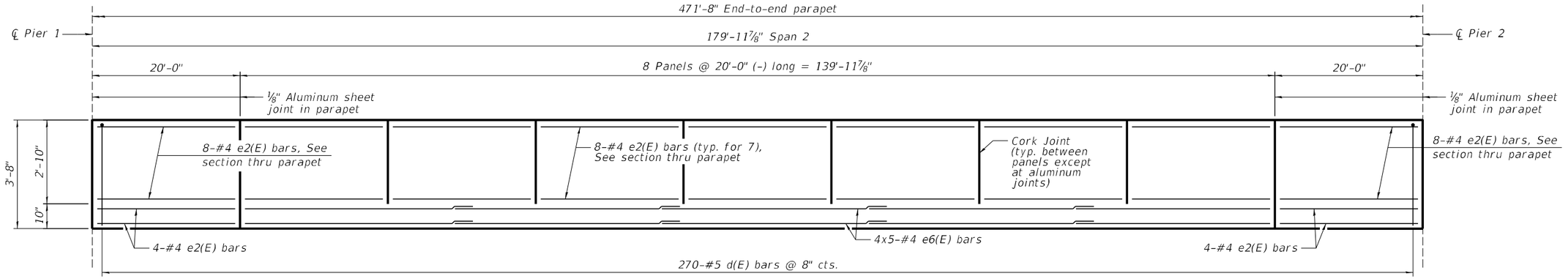
MINIMUM BAR LAP

#4 bar = 2'-5"



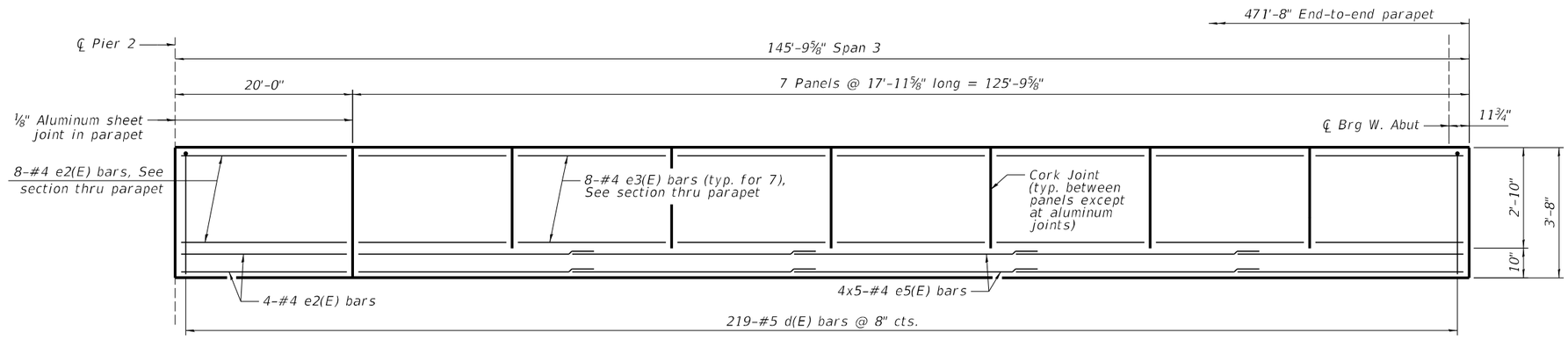
INSIDE ELEVATION OF 44" SOUTH PARAPET - SPAN 1

(Looking South)



INSIDE ELEVATION OF 44" SOUTH PARAPET - SPAN 2

(Looking South)



INSIDE ELEVATION OF 44" SOUTH PARAPET - SPAN 3

(Looking South)

NOTES:

1. Bars indicated thus 4x5-#4 etc. indicated 4 lines if bars with 5 lengths per line.
2. All horizontal dimensions shown are taken at the toe of the parapet.
3. All vertical dimensions are taken at the face of the parapet.
4. Provide expansion / deflection couplings for embedded conduit at parapet expansion joint locations.
5. For sections thru parapets, see sheet 13 of 69 .

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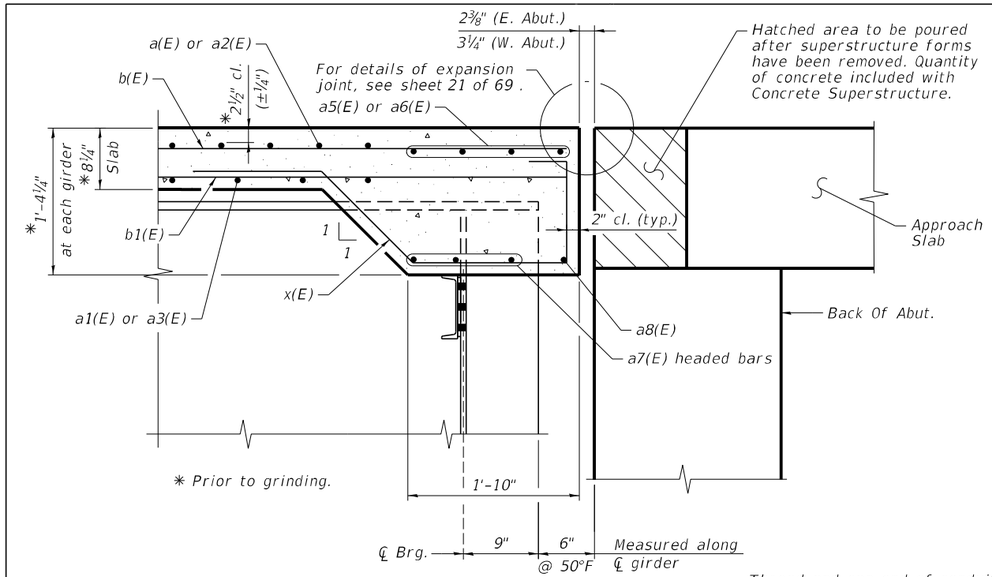
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Chicago, Illinois 60601
3124960450 Job No. 10800

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

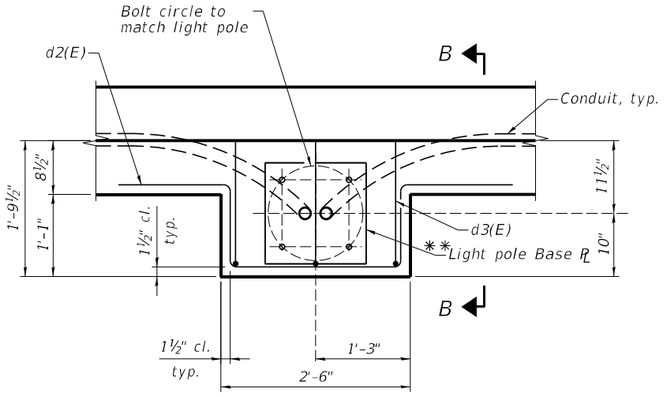
SOUTH PARAPET ELEVATION
STRUCTURE NO. 101-0215
SHEET 15 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

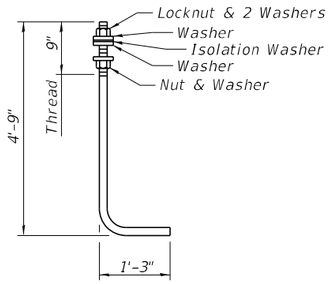


SECTION A-A

** See lighting plans.

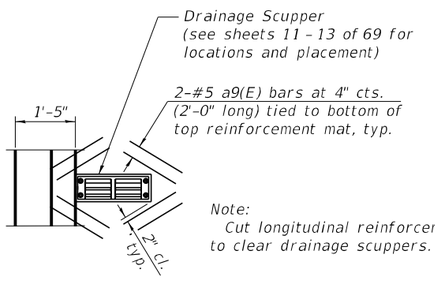


PLAN - LIGHT POLE BASE

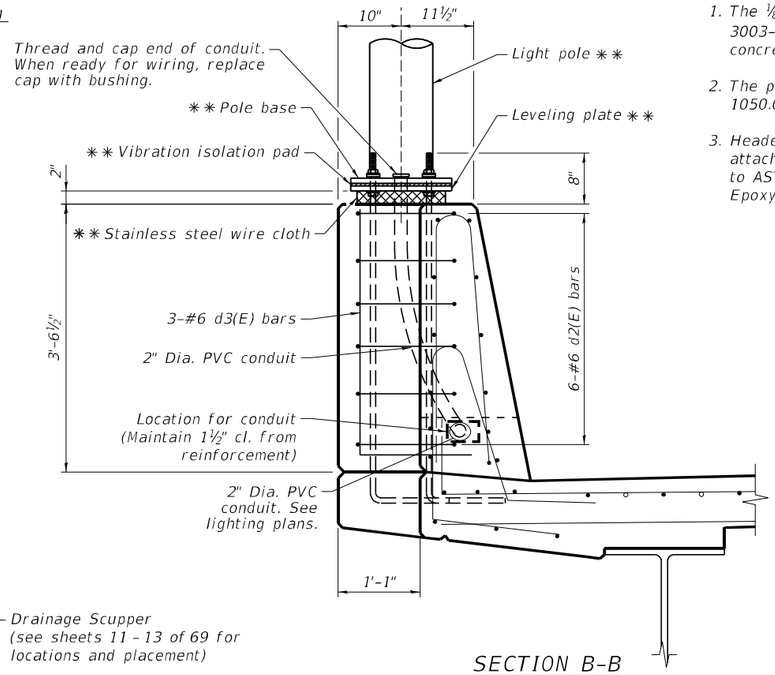


ANCHOR ROD

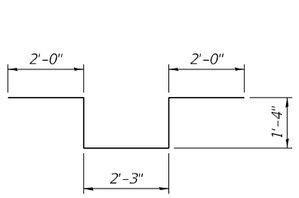
Diameter as specified for light poles. (ASTM F 1554 Grade 105; full length hot dipped galvanized)



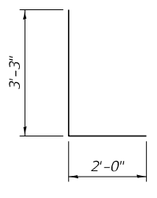
PLAN - DECK REINFORCEMENT AT SCUPPER



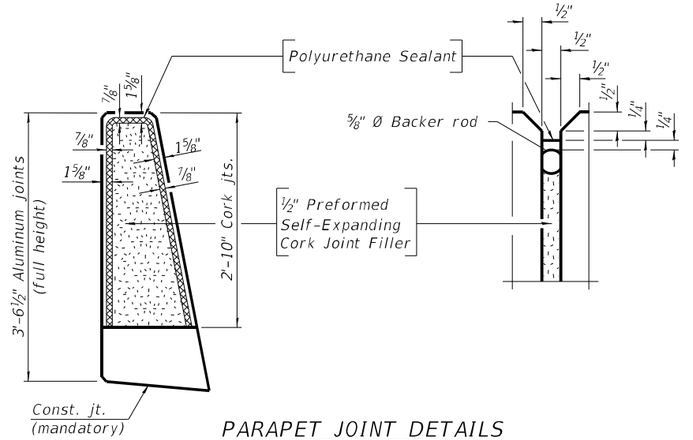
SECTION B-B



BAR d2(E)



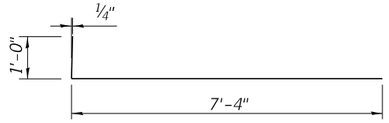
BARS d3(E)



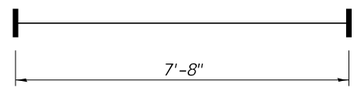
PARAPET JOINT DETAILS

NOTES:

1. The ⅛" aluminum sheet shall be ASTM B209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
2. The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
3. Headed bars shall conform to ASTM A970 with threaded attachment, Class HA, and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

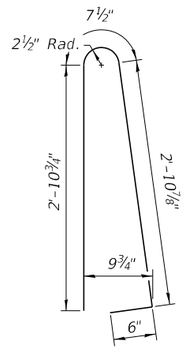


BAR a4(E)

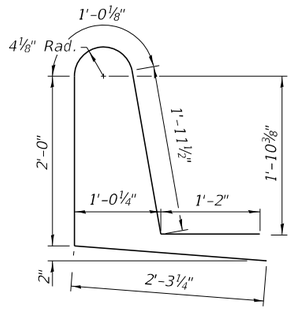


BAR a7(E)

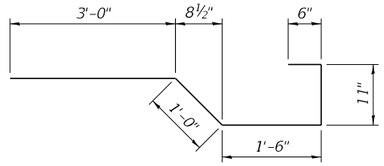
(Headed)



BAR d(E)



BAR d1(E)



BAR x(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	1043	#5	25'-2"	
a1(E)	637	#5	37'-2"	
a2(E)	1043	#5	33'-2"	
a3(E)	637	#5	21'-2"	
a4(E)	2086	#6	8'-4"	
a5(E)	8	#6	26'-6"	
a6(E)	8	#6	34'-6"	
a7(E)	36	#6	7'-8"	
a8(E)	4	#6	26'-4"	
a9(E)	32	#5	2'-0"	
b(E)	2072	#5	27'-7"	
b1(E)	96	#5	15'-7"	
b2(E)	520	#6	26'-2"	
d(E)	1431	#5	7'-0"	
d1(E)	1431	#5	8'-5"	
d2(E)	12	#6	8'-11"	
d3(E)	6	#6	5'-3"	
e(E)	112	#4	18'-1"	
e1(E)	40	#4	27'-10"	
e2(E)	160	#4	19'-8"	
e3(E)	176	#4	17'-8"	
e4(E)	20	#4	30'-10"	
e5(E)	40	#4	27'-2"	
e6(E)	20	#4	30'-0"	
x(E)	84	#5	6'-11"	
Concrete Superstructure			Cu. Yd.	877.4
Protective Coat			Sq. Yd.	3,224
Reinforcement Bars, Epoxy Coated			Pound	242,950

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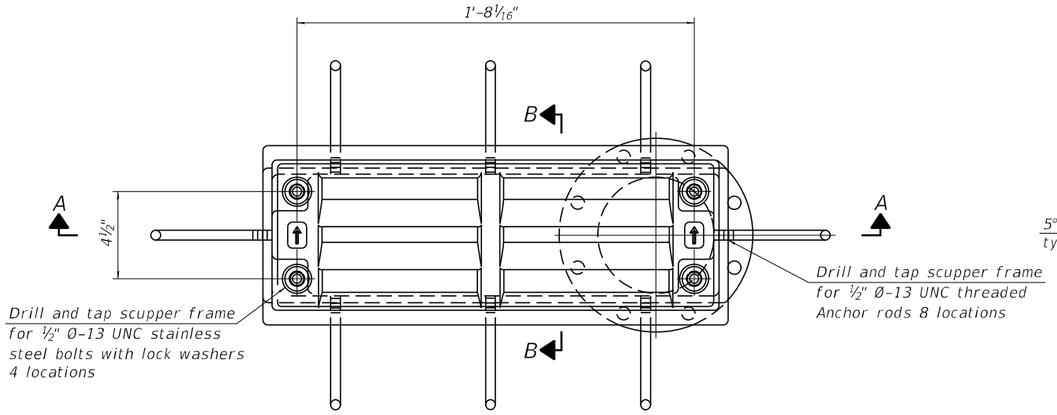
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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10600

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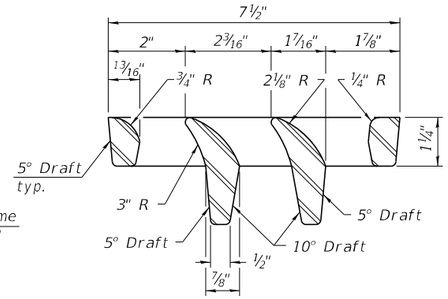
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101-0215
SHEET 16 OF 69 SHEETS

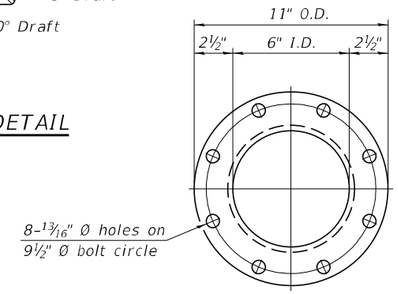
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39	(201-3)K	WINNEBAGO	2192	783
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



PLAN



VANE GRATE DETAIL



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306.

Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.

Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames; however, the scupper grates shall remain cast iron.

Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

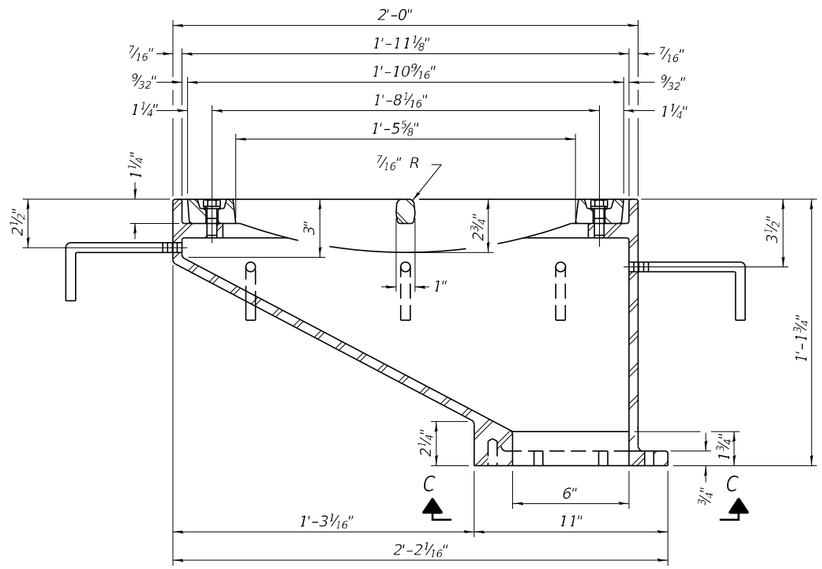
Structural steel scupper frames, when utilized, shall be galvanized according to AASHTO M111.

Fiberglass shall be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min.

Downspouts and exposed surfaces of the scupper frame below deck shall be pigmented or painted as appropriate to match the color of the exterior fascia.

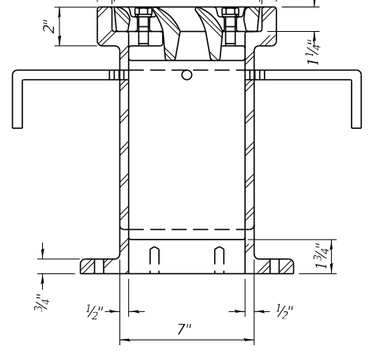
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scupper, DS-12.

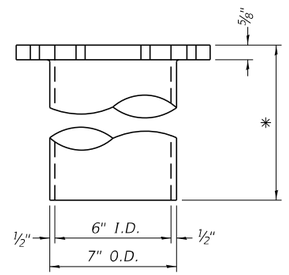


SECTION A-A

See sheet 13 of 69 for scupper location relative to parapet.

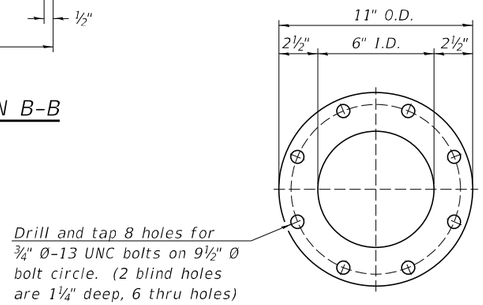


SECTION B-B

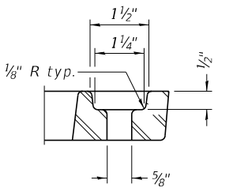


* Coordinate length of downspout with drainage system details on sheet 18 of 69 .

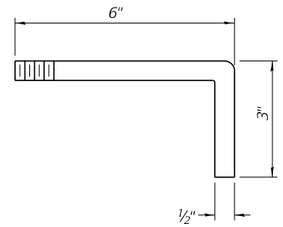
DOWNSPOUT



VIEW C-C



GRATE BOLT HOLE DETAIL



ANCHOR ROD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers, DS-12	Each	4

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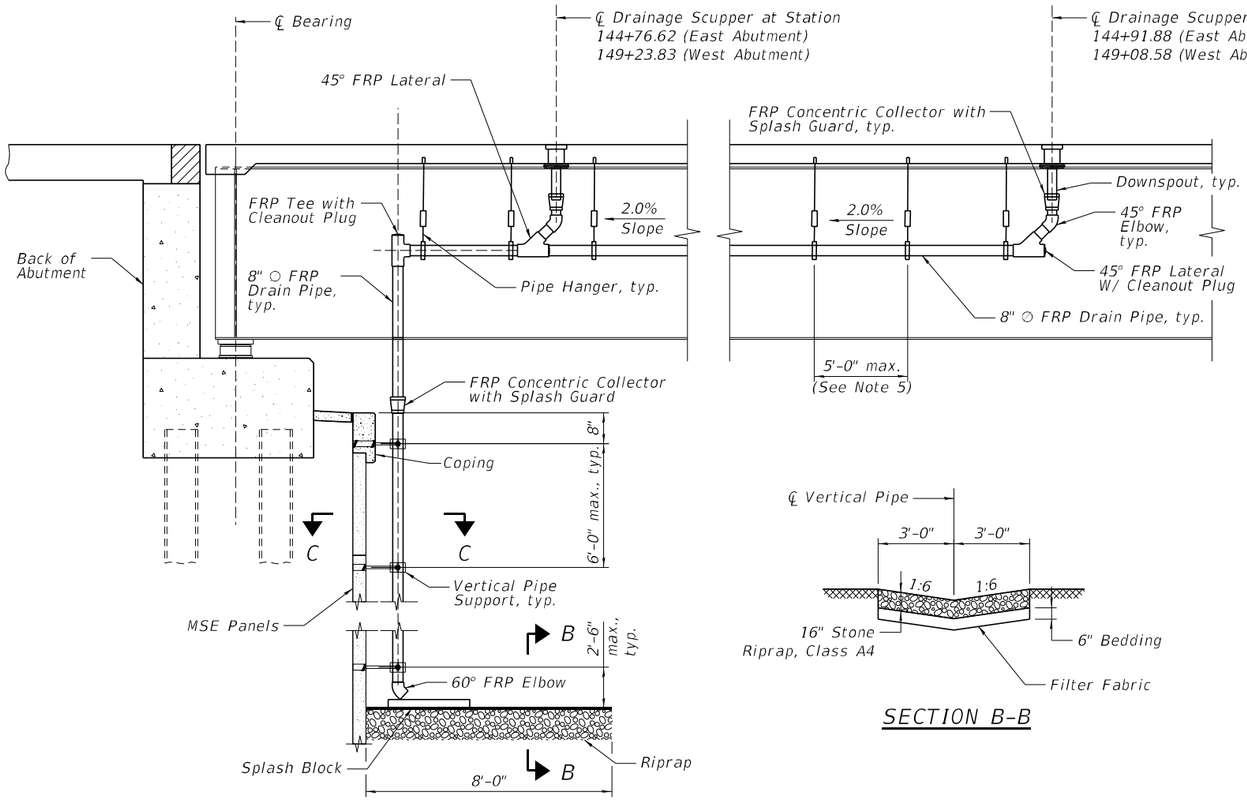
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Chicago Illinois 60601
312-565-0450
Job No. 10800

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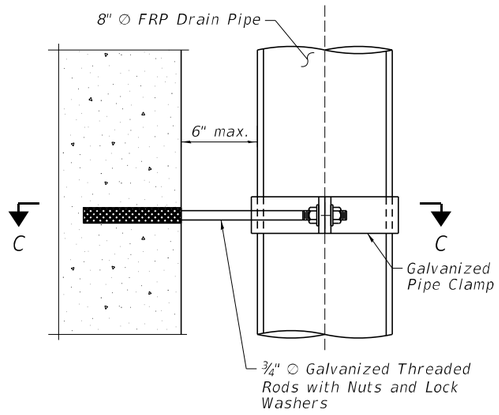
DRAINAGE SCUPPER, DS-12
STRUCTURE NO. 101-0215
SHEET 17 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

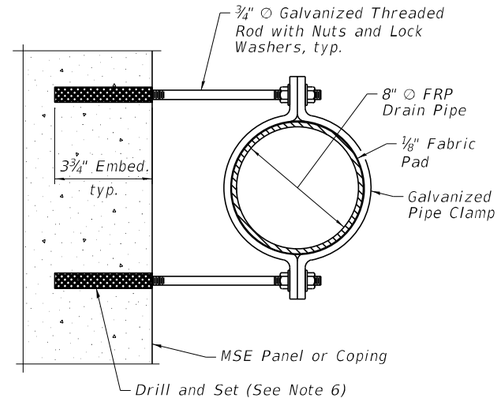


DRAINAGE SYSTEM ELEVATION - EAST & WEST ABUTMENT

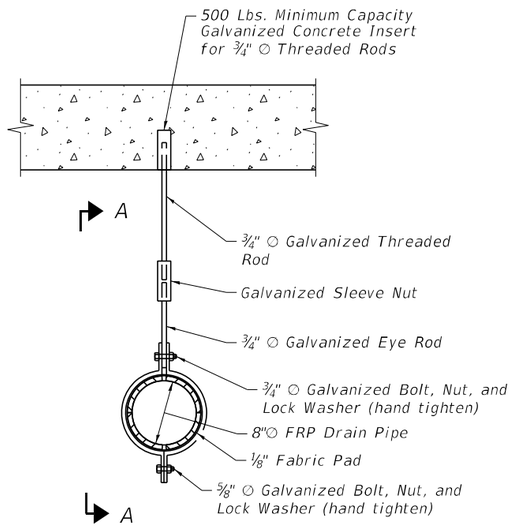
SECTION B-B



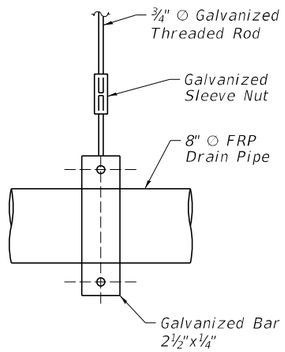
VERTICAL PIPE SUPPORT ELEVATION



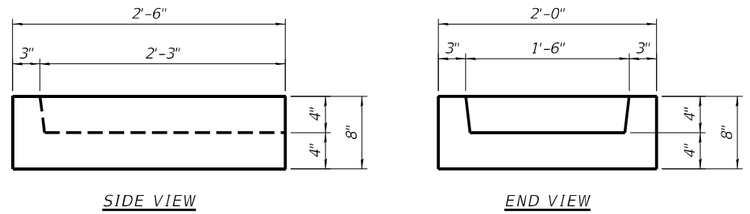
SECTION C-C



PIPE HANGER DETAIL



VIEW A-A



SIDE VIEW

END VIEW

PRECAST CONCRETE SPLASH BLOCK DETAIL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage System for Structures	L. Sum	1
Stone Riprap, Class A4	Sq. Yd.	11
Filter Fabric	Sq. Yd.	11

NOTES:

1. See sheet 17 of 69 for scupper and downspout details.
2. Concentric collectors shall be sized to accomodate longitudinal thermal movement of the superstructure.
3. Top of concentric collectors adjacent to MSE walls shall not be higher than top of nearest abutment seat.
4. Drain pipe and fittings shall be pigmented to match the color of the exterior fascia.
5. Hangers shall be placed at each fitting and intermediate points not more than 5'-0" on center.
6. Threaded rods for vertical pipe supports shall be drilled and set using chemical adhesive per Article 509.06 of the Standard Specifications.
7. All work and materials needed to furnish and install the pipe, fittings, gaskets, hangers, supports, and splash blocks shall be included in the cost of Drainage System for Structures. Stone Riprap, Class A4 and Filter Fabric will be paid separately.

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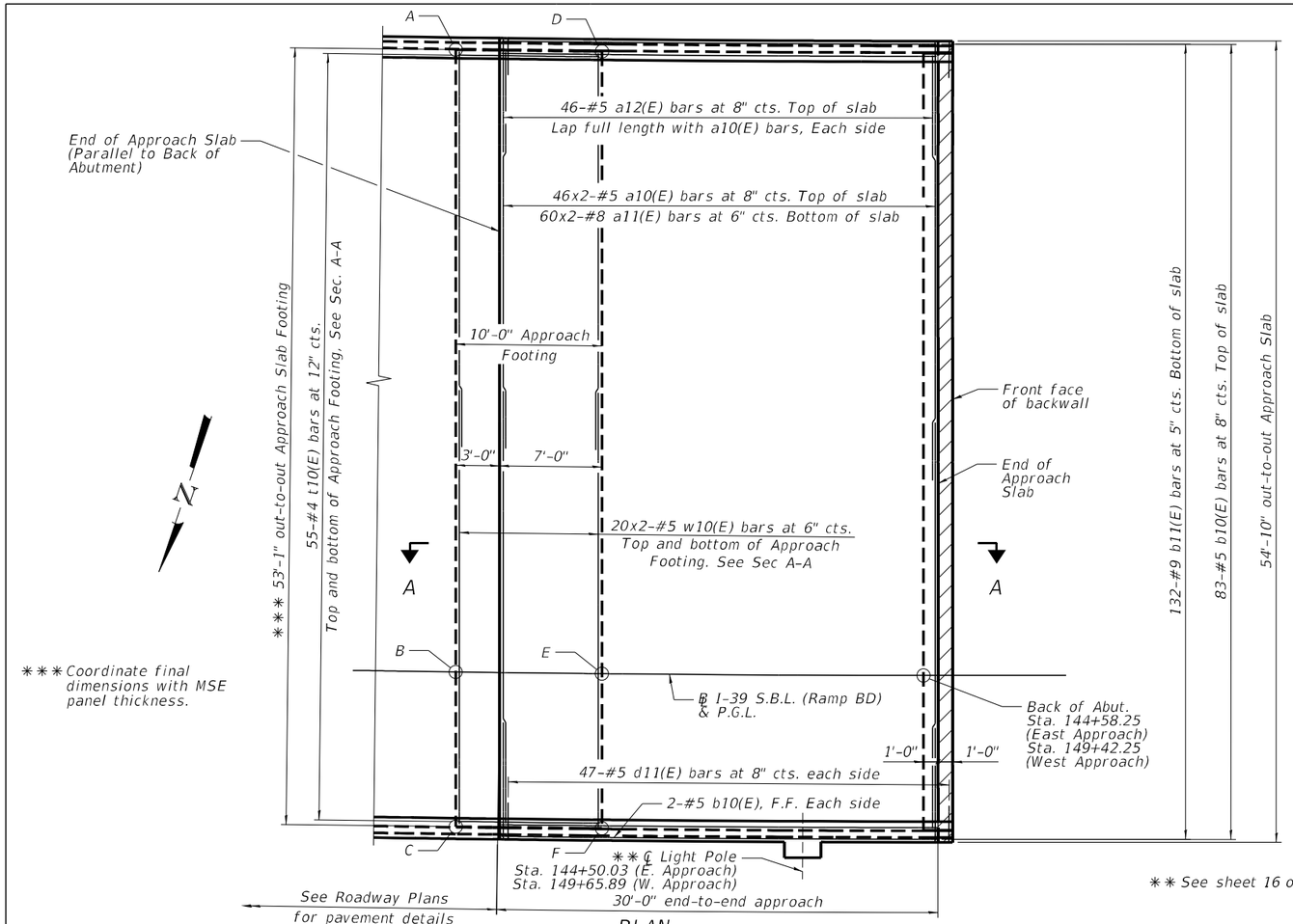
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STATE OF ILLINOIS
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DRAINAGE DETAILS
STRUCTURE NO. 101-0215
SHEET 18 OF 69 SHEETS

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
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PLAN

(East Approach Slab Shown, West Approach Opposite Hand)

✱✱ See sheet 16 of 69 for Light Pole Base Details.

MINIMUM BAR LAP

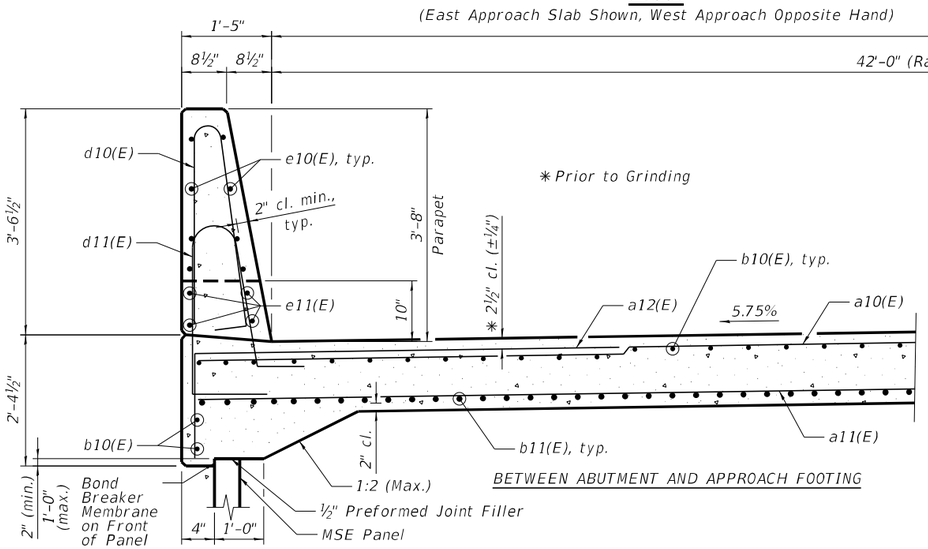
#5 Bar = 3'-4" (U.N.O.)
#8 Bar = 4'-9"

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

East Approach			West Approach		
Point/ Location	Top	Bottom	Point/ Location	Top	Bottom
A - SE	847.02	846.19	A - SW	845.89	845.06
B - E ℄	849.48	848.64	B - W ℄	848.35	847.51
C - NE	850.08	849.25	C - NW	848.96	848.12
D - SW	847.10	846.27	D - SE	846.01	845.18
E - W ℄	849.55	848.72	E - E ℄	848.46	847.63
F - NW	850.16	849.33	F - NE	849.07	848.24

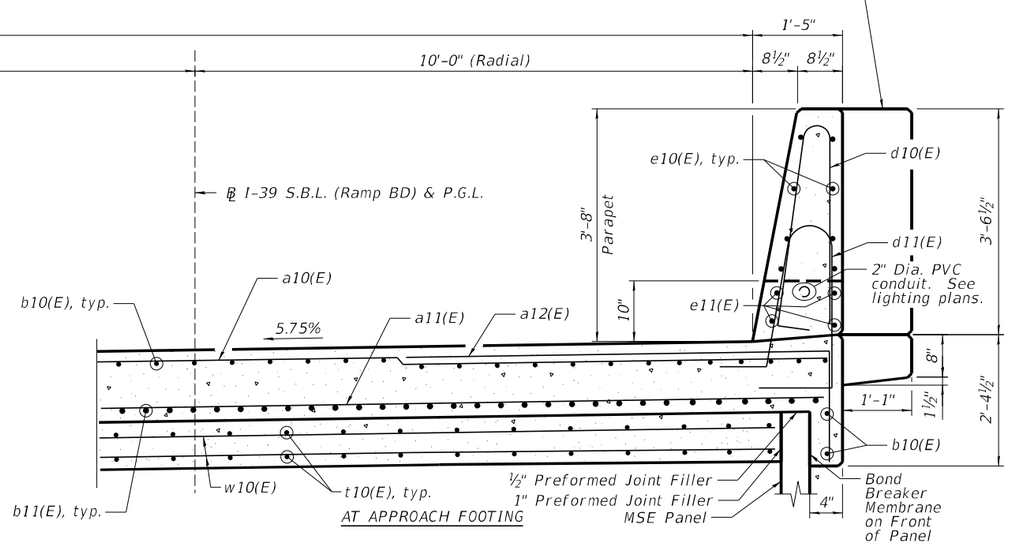
NOTES:

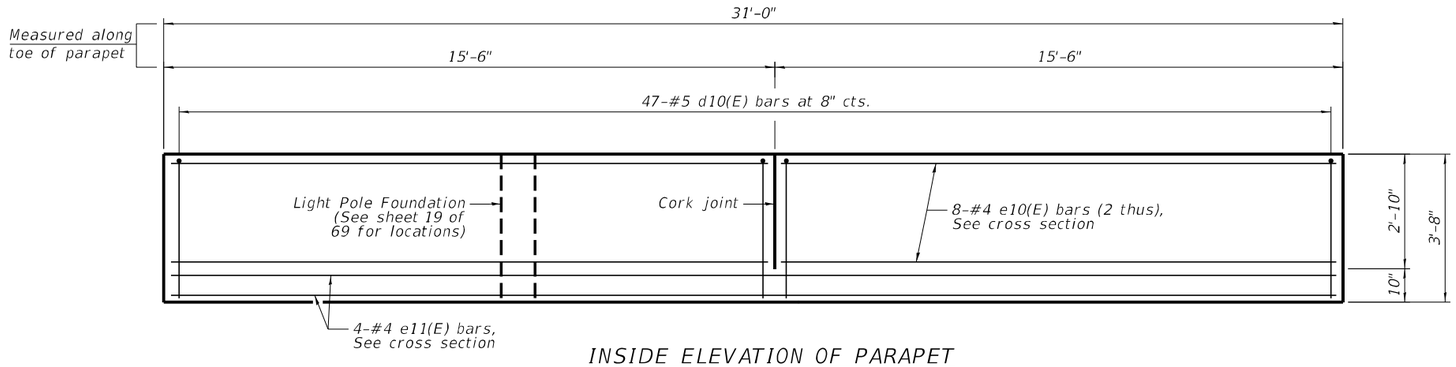
1. Bars indicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.



CROSS SECTION

(Looking West)

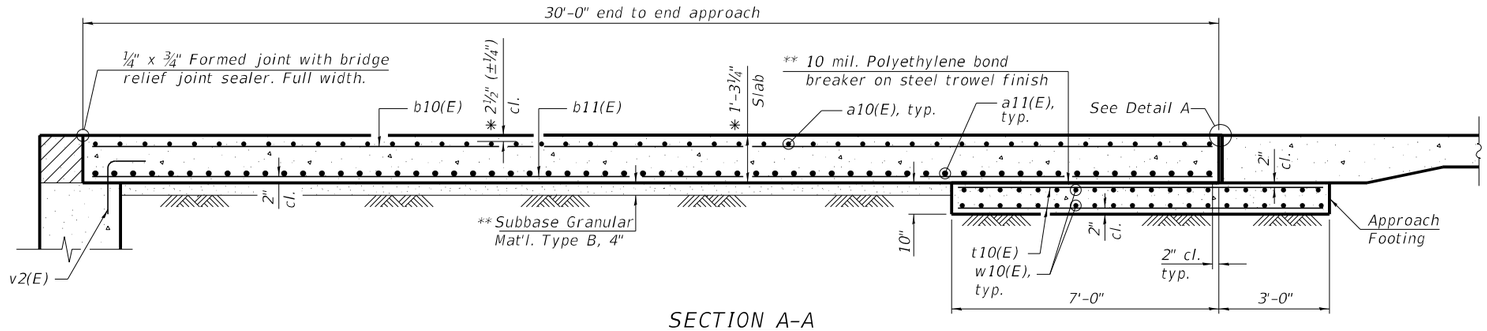




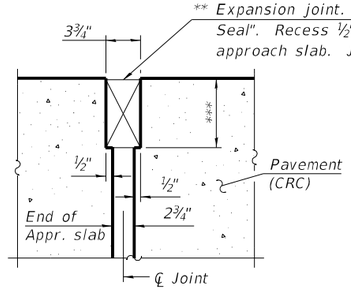
INSIDE ELEVATION OF PARAPET

Notes:
Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
See sheets 47 - 48 of 69 for hatched block details.

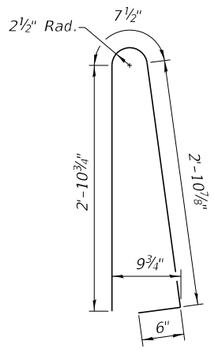
✳ Prior to grinding



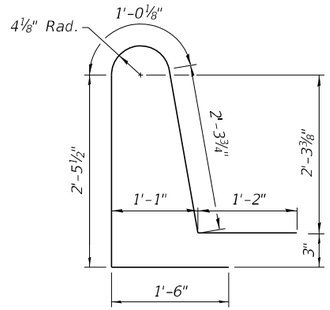
SECTION A-A



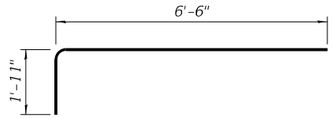
DETAIL A



BAR d10(E)



BAR d11(E)



BAR a12(E)

TWO APPROACHES
BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	a10(E)	184	#5	29'-0"	
	a11(E)	240	#8	29'-9"	
	a12(E)	184	#5	8'-5"	
	b10(E)	174	#5	29'-8"	
	b11(E)	264	#9	29'-8"	
****	d2(E)	12	#6	8'-11"	
****	d3(E)	6	#6	5'-3"	
	d10(E)	188	#5	7'-0"	
	d11(E)	188	#5	8'-6"	
	e10(E)	64	#4	15'-2"	
	e11(E)	16	#4	30'-8"	
	t10(E)	220	#4	9'-8"	
	w10(E)	160	#5	29'-0"	
	Concrete Superstructure (Approach Slab)		Cu. Yd.	168.2	
	Concrete Superstructure		Cu. Yd.	18.2	
	Concrete Structures		Cu. Yd.	32.8	
	Protective Coat		Sq. Yd.	420	
	Reinforcement Bars, Epoxy Coated		Pound	68,750	

** Cost included with Concrete Superstructure (Approach Slab).

*** Per manufacturer recommendations.

**** See sheet 16 of 69 for Light Pole Base Details and Bar Bends for Bars d2(E) and d3(E).

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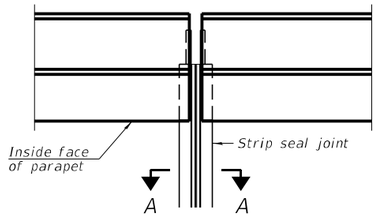
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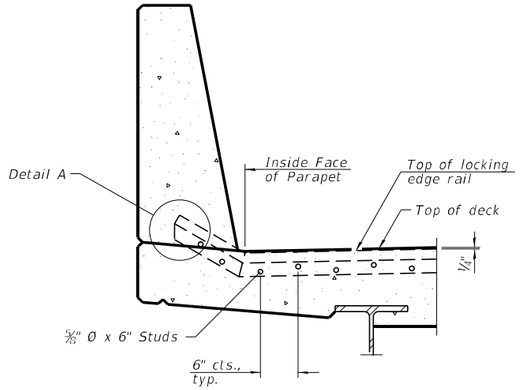
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APPROACH SLAB DETAILS
STRUCTURE NO. 101-0215
SHEET 20 OF 69 SHEETS

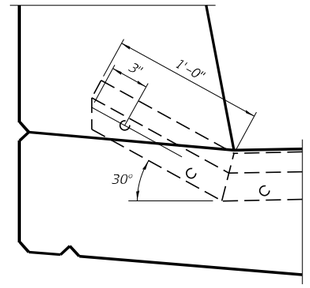
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39	(201-3)K	WINNEBAGO	2192	787
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



PLAN AT PARAPET



SECTION AT PARAPET



DETAIL A

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

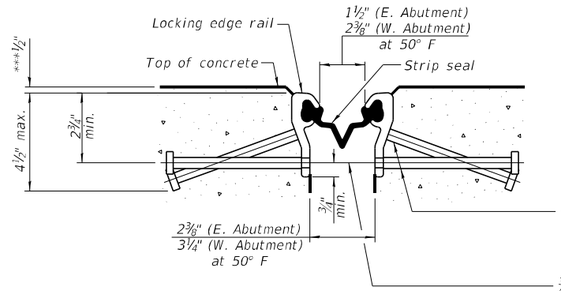
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

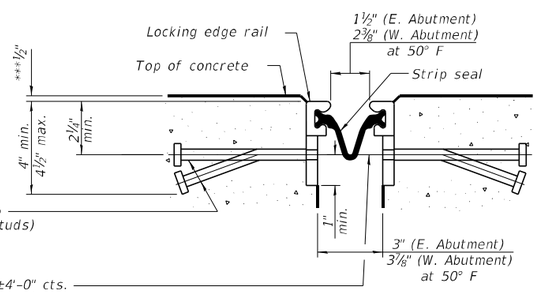
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

*** Prior to grinding.

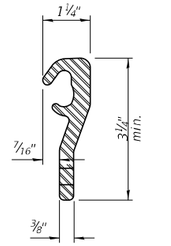


SHOWING ROLLED RAIL JOINT

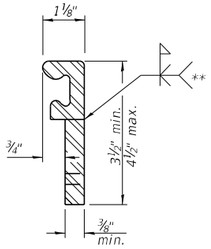


SHOWING WELDED RAIL JOINT

SECTION A-A



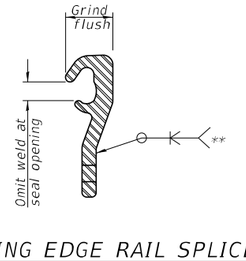
ROLLED
(EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	108.0

MODEL: sMODELNAMES
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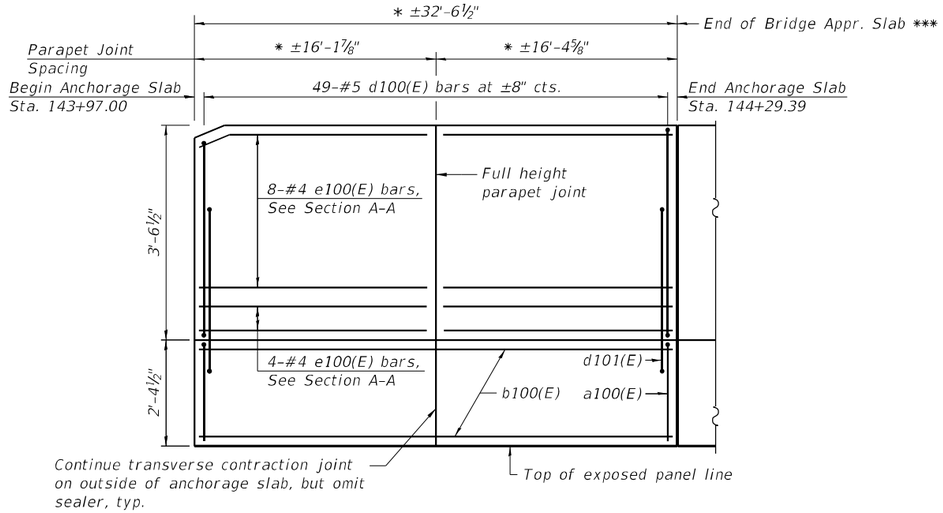
benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800

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	CHECKED - IYL	REVISED -	
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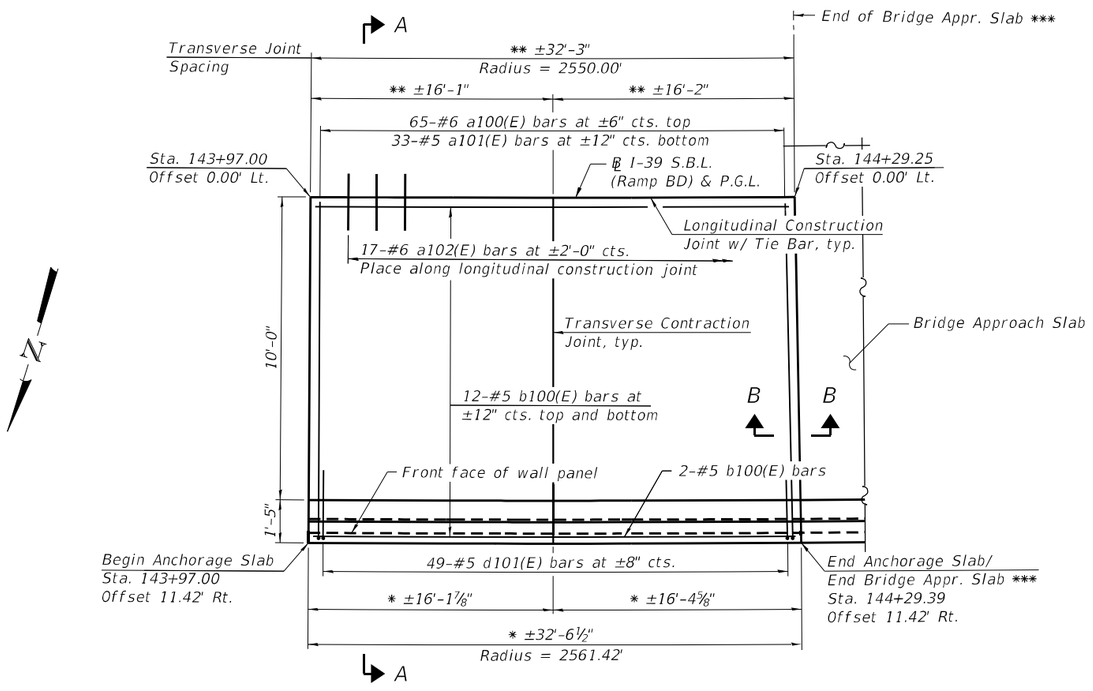
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 101-0215
SHEET 21 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	788
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



OUTSIDE ELEVATION OF NORTH PARAPET - EAST APPROACH



PLAN - NORTH PARAPET & ANCHORAGE SLAB - EAST APPROACH

* Measured along outside face of parapet
** Measured along inside edge of anchorage slab
*** Stations are shown at end of bridge approach slab. See Detail A on sheet 21 of 69 for joint details.

Notes:
1. Place transverse contraction joints perpendicular to outside face of parapet.
2. For Section A-A and B-B, see sheet 27 of 69.
3. For bar details, joint details, and bill of material, see sheet 28 of 69.
4. Stations and offsets are from ℄ Ramp BD.
5. For Type 6 terminal connections see Highway Standard 631031.

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\110800s\110800.00\Eng_Docs\Structures\SN 0215 Ramp BD\MSE (Quigg)\Sheets\D264C62-1010215-022-Moment Slab_N1

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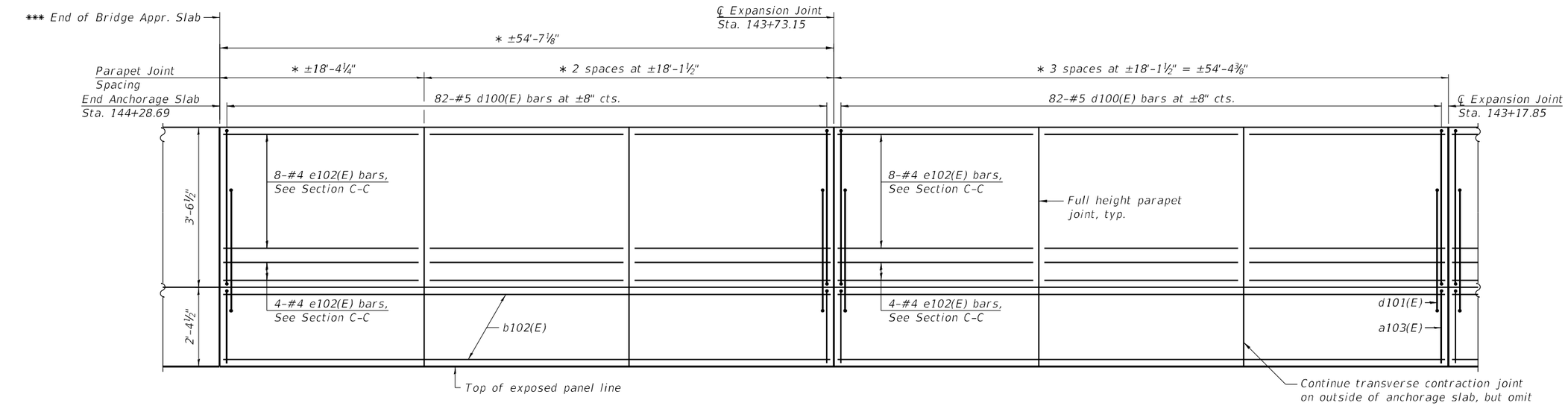
QUIGG ENGINEERING INC

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PLOT SCALE =	DRAWN - ZLD	REVISED -	
PLOT DATE = 03/31/2023	CHECKED - KFO	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ANCHORAGE SLAB - EAST APPROACH
STRUCTURE NO. 101-0215
SHEET 22 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



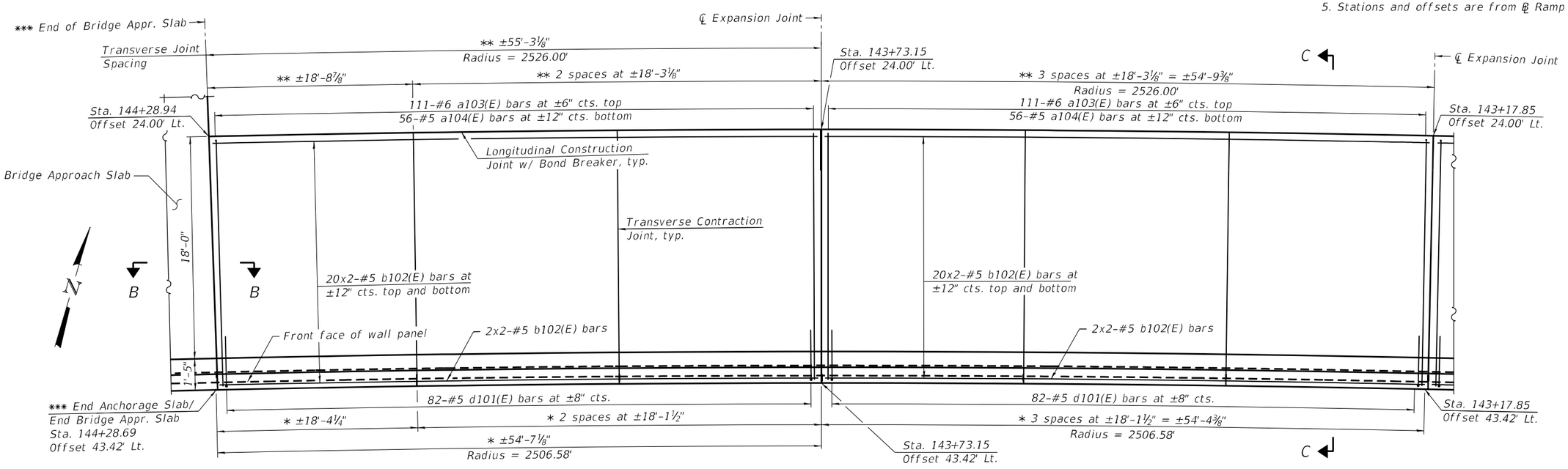
OUTSIDE ELEVATION OF SOUTH PARAPET - EAST APPROACH

* Measured along outside face of parapet
** Measured along inside edge of anchorage slab
*** Stations are shown at end of bridge approach slab. See Detail A on sheet 21 of 69 for joint details.

MINIMUM BAR LAP

#5 bar = 3'-4"

Notes:
1. Place transverse contraction joints perpendicular to outside face of parapet.
2. For Section B-B, see sheet 27 of 69.
3. For Section C-C, bar details, joint details, and bill of material, see sheet 28 of 69.
4. Bars indicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.
5. Stations and offsets are from ℄ Ramp BD.



PLAN - SOUTH PARAPET & ANCHORAGE SLAB - EAST APPROACH

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QUIGG ENGINEERING INC

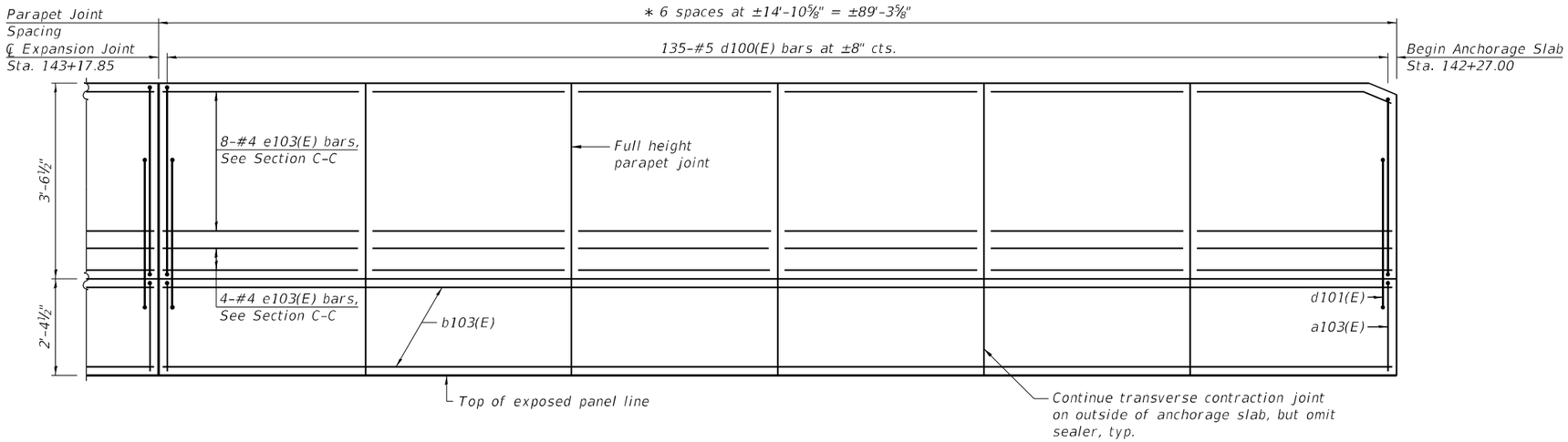
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

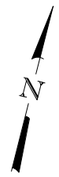
SOUTH ANCHORAGE SLAB - EAST APPROACH (1 OF 2)
STRUCTURE NO. 101-0215
SHEET 23 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	790
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



OUTSIDE ELEVATION OF SOUTH PARAPET - EAST APPROACH

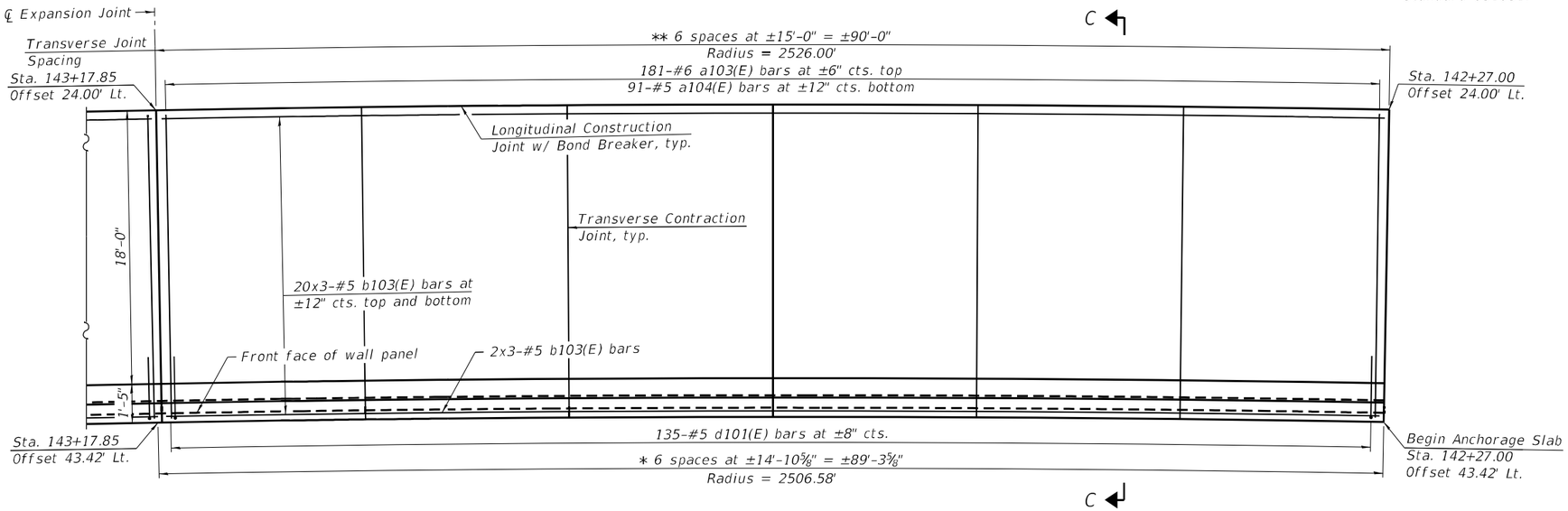
* Measured along outside face of parapet
** Measured along inside edge of anchorage slab



MINIMUM BAR LAP

#5 bar = 3'-4"

Notes:
1. Place transverse contraction joints perpendicular to outside face of parapet.
2. For Section B-B, see sheet 27 of 69.
3. For Section C-C, bar details, joint details, and bill of material, see sheet 28 of 69.
4. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
5. Stations and offsets are from ℄ Ramp BD.
6. See sheet 22 of 69 for end of parapet details.
7. For Type 6 terminal connections see Highway Standard 631031.



PLAN - SOUTH PARAPET & ANCHORAGE SLAB - EAST APPROACH

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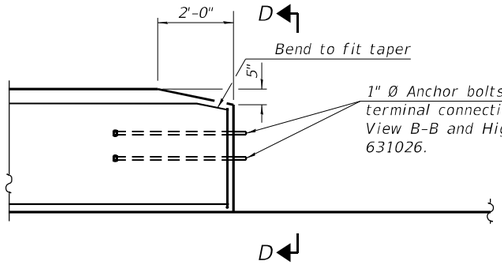
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

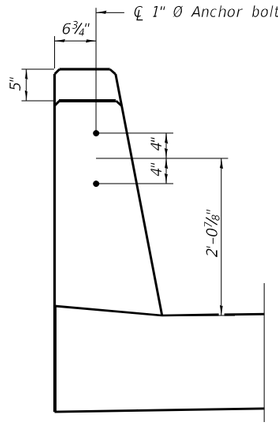
SOUTH ANCHORAGE SLAB - EAST APPROACH (2 OF 2)
STRUCTURE NO. 101-0215
SHEET 24 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

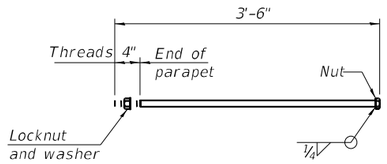
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OUTSIDE ELEVATION OF PARAPET



VIEW D-D

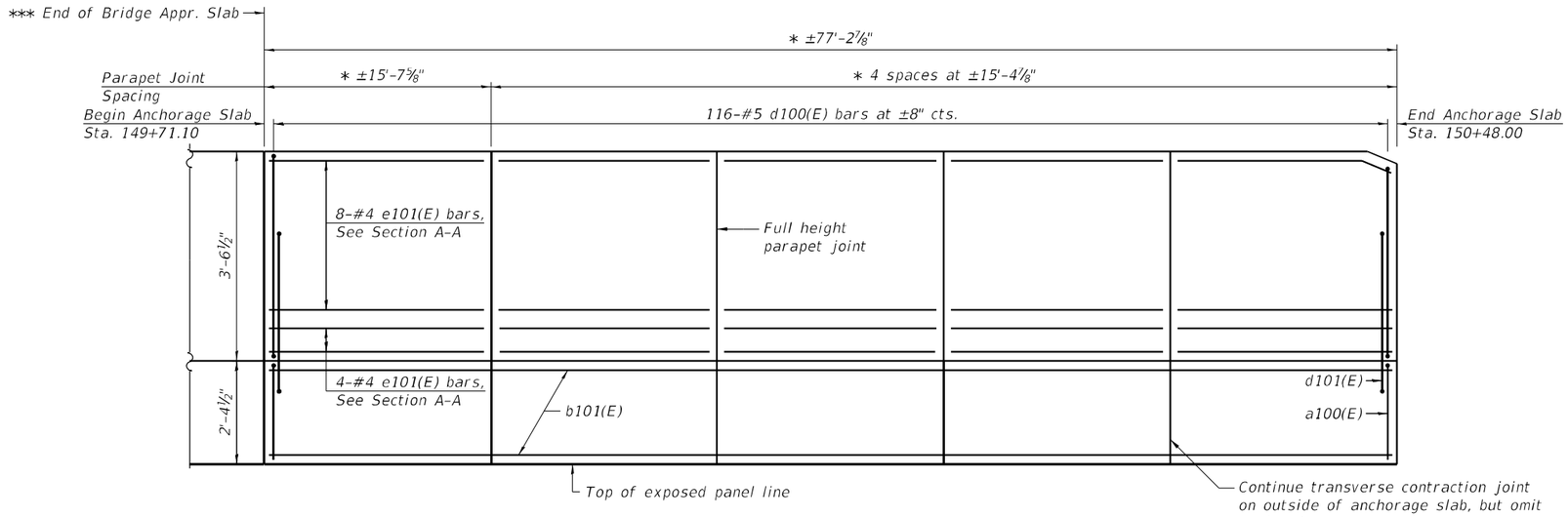


*1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

Notes:

1. Place transverse contraction joints perpendicular to outside face of parapet.
2. For Section A-A and B-B, see sheet 27 of 69.
3. For bar details, joint details, and bill of material, see sheet 28 of 69.
4. Bars indicated thus 12x3-#5 etc. indicates 12 lines of bars with 3 lengths per line.
5. Stations and offsets are from ℄ Ramp BD.
6. See sheet 22 fo 69 for end of parapet details.

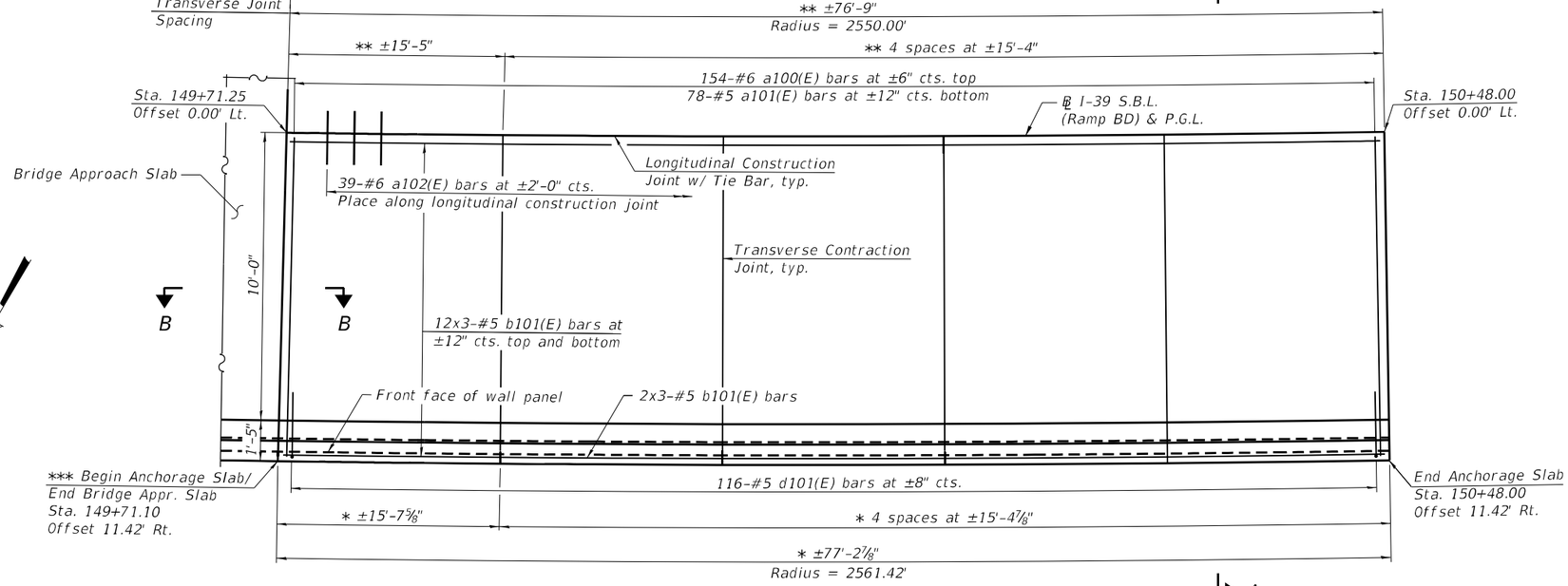


OUTSIDE ELEVATION OF NORTH PARAPET - WEST APPROACH

* Measured along outside face of parapet
** Measured along inside edge of anchorage slab
*** Stations are shown at end of bridge approach slab. See Detail A on sheet 21 of 69 for joint details.

MINIMUM BAR LAP

#5 bar = 3'-4"



PLAN - NORTH PARAPET & ANCHORAGE SLAB - WEST APPROACH

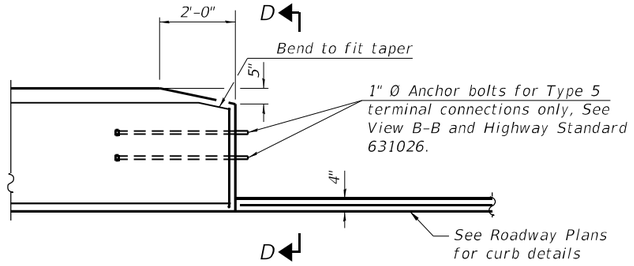
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QUIGG ENGINEERING INC

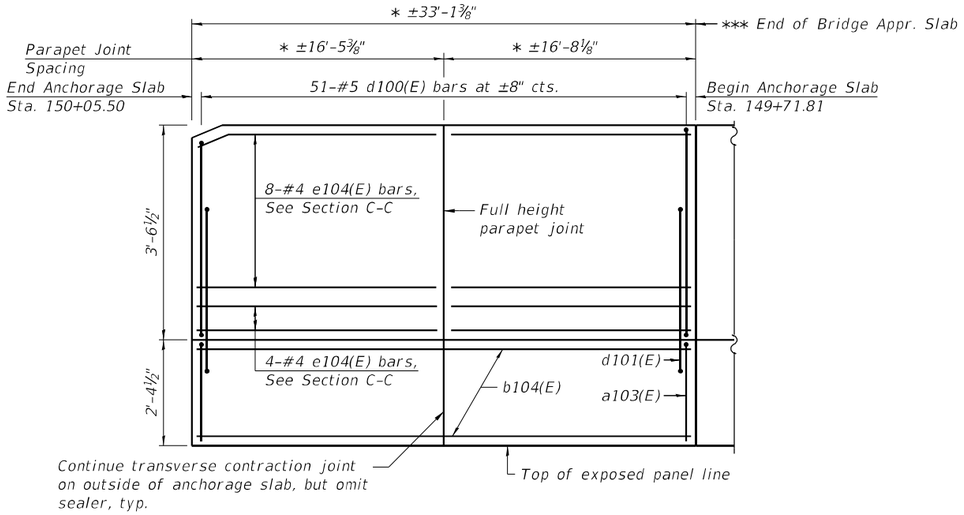
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PLOT SCALE =	DRAWN - ZLD	REVISED -			
PLOT DATE = 03/31/2023	CHECKED - KFO	REVISED -		SHEET 25 OF 69 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	

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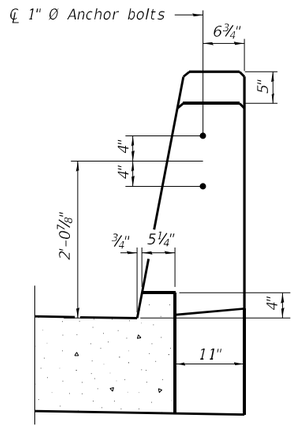


INSIDE ELEVATION OF PARAPET AND CURB

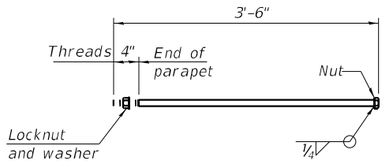


OUTSIDE ELEVATION OF SOUTH PARAPET - WEST APPROACH

* Measured along outside face of parapet
** Measured along inside edge of anchorage slab
*** Stations are shown at end of bridge approach slab. See Detail A on sheet 21 of 69 for joint details.



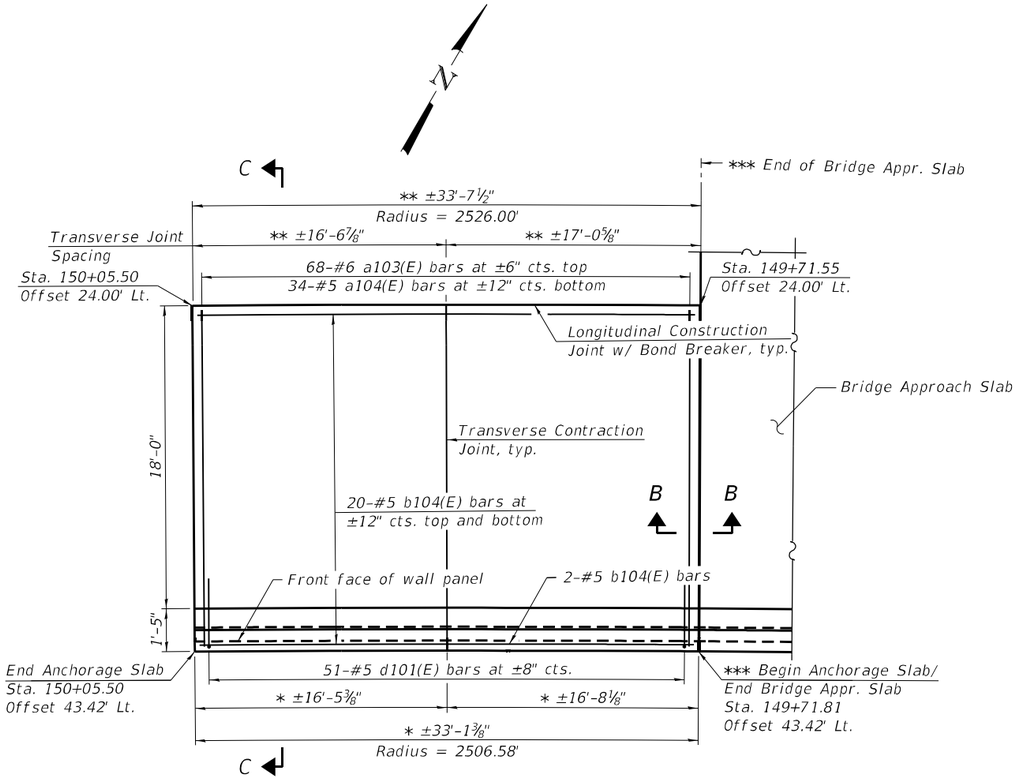
VIEW D-D



*1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

Notes:
1. Place transverse contraction joints perpendicular to outside face of parapet.
2. For Section B-B, see sheet 27 of 69.
3. For Section C-C, bar details, joint details, and bill of material, see sheet 28 of 69.
4. Stations and offsets are from ℄ Ramp BD.
5. See sheet 22 of 69 for end of parapet details.



PLAN - SOUTH PARAPET & ANCHORAGE SLAB - WEST APPROACH

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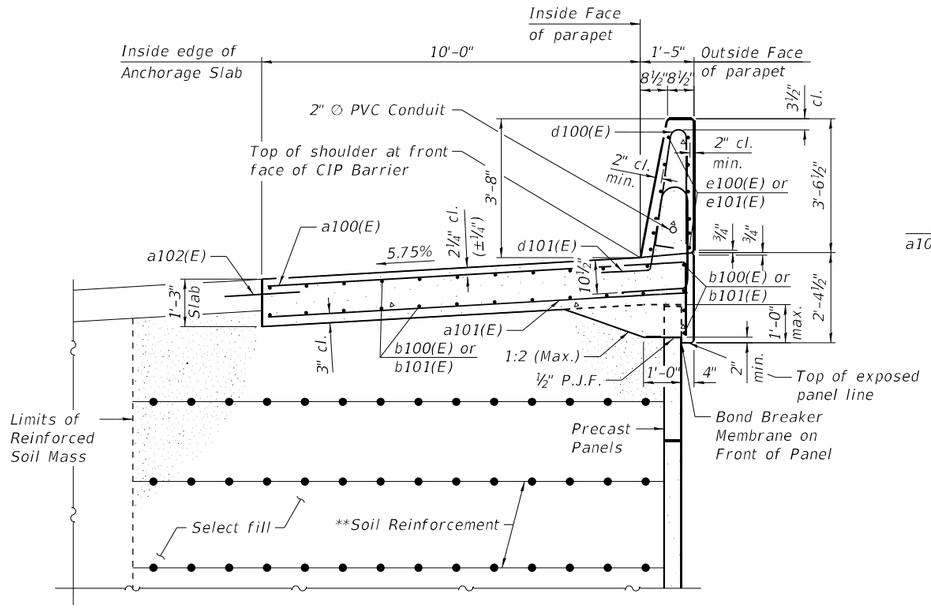
QUIGG ENGINEERING INC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ANCHORAGE SLAB - WEST APPROACH
STRUCTURE NO. 101-0215
SHEET 26 OF 69 SHEETS

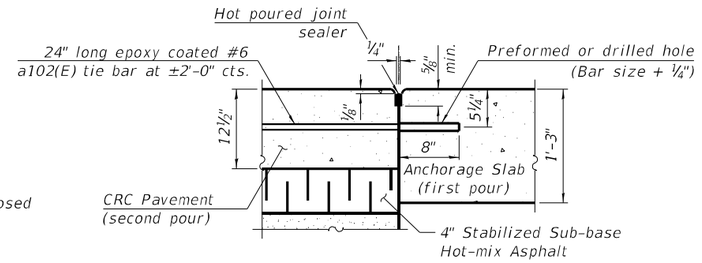
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	793
		CONTRACT NO. 64B13		
		ILLINOIS	FED. AID PROJECT	



SECTION A-A

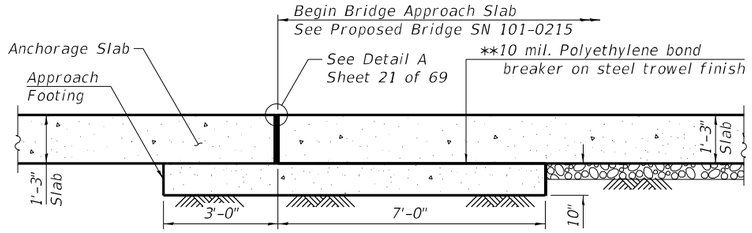
(North Parapet & Anchorage Slab)

** The MSE wall supplier's internal stabitility design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 1.15 kips/ft. of wall.



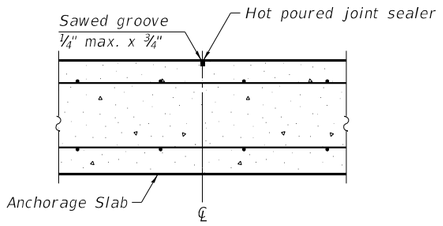
LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR

(North Anchorage Slab Only)
(Cost Included with Concrete Superstructures)



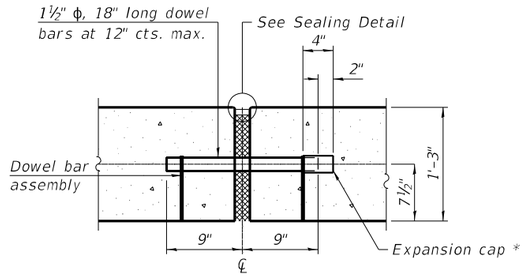
SECTION B-B

** Cost included with Concrete Superstructure (Approach Slab)



TRANSVERSE CONTRACTION JOINT

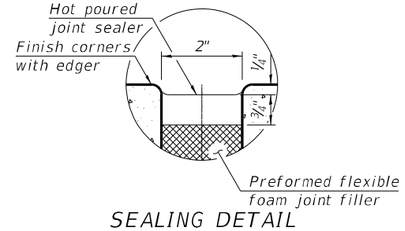
(Cost Included with Concrete Superstructures)



* Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.

ANCHORAGE SLAB EXPANSION JOINT

Expansion joint and dowel bars included in the cost of Concrete Superstructure



SEALING DETAIL

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FILE NAME: pw:\\bteneschpw.bentley.com:beneschpw-01\Documents\108009s\10800.00\Eng_Docs\Structures\SN 0215 Ramp BDMSE (Quigg)\Sheets\D264C62-1010215-027-Details

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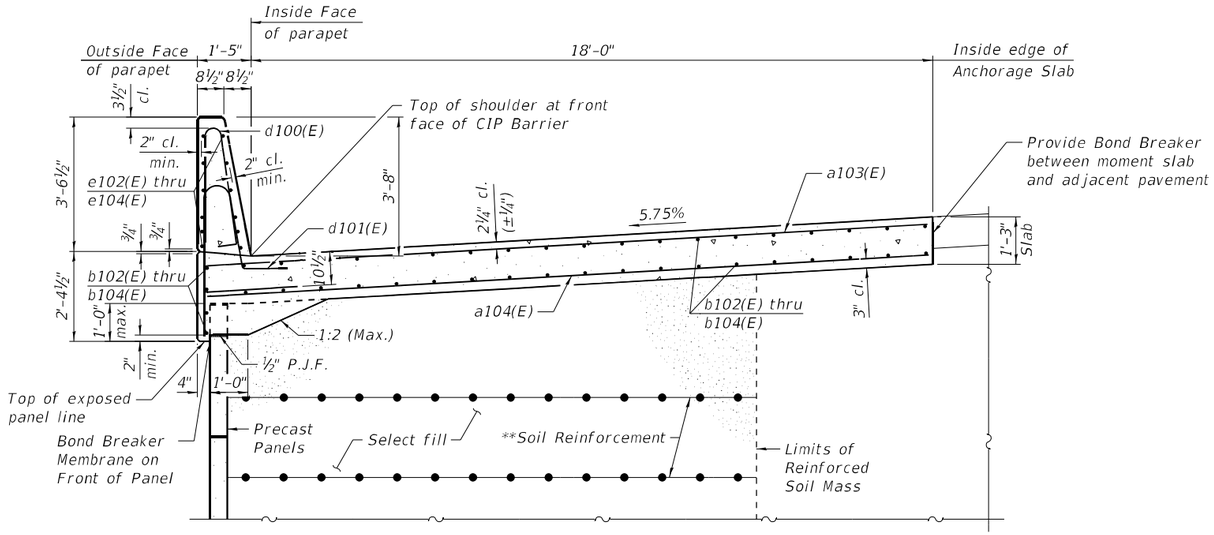
QUIGG ENGINEERING INC

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PLOT DATE = 03/31/2023	CHECKED - KFO	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB DETAILS (1 OF 2)
STRUCTURE NO. 101-0215
SHEET 27 OF 69 SHEETS

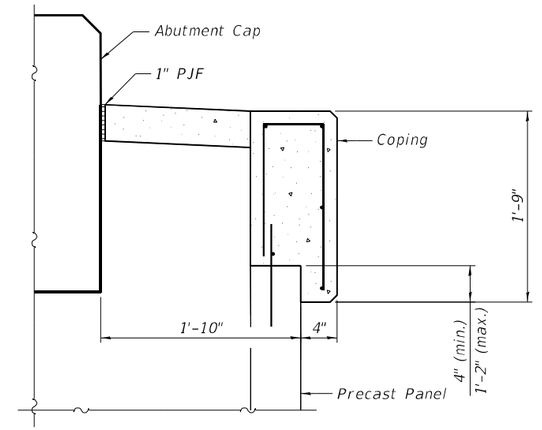
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



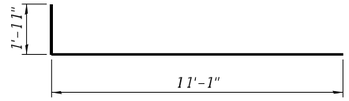
SECTION C-C

(South Parapet & Anchorage Slab)

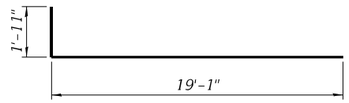
** The MSE wall supplier's internal stabitility design shall account for the anchorage slab's bearing pressure pressure surcharge of 1.5 ksf and horizontal sliding force of 1.15 kips/ft. of wall.



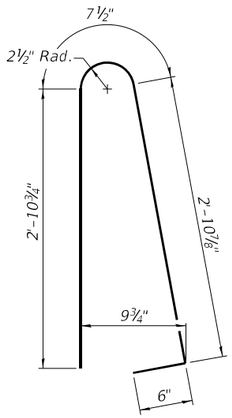
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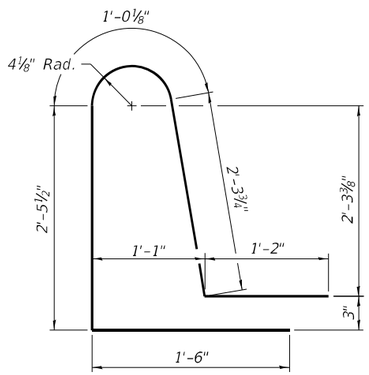
BAR a100(E)



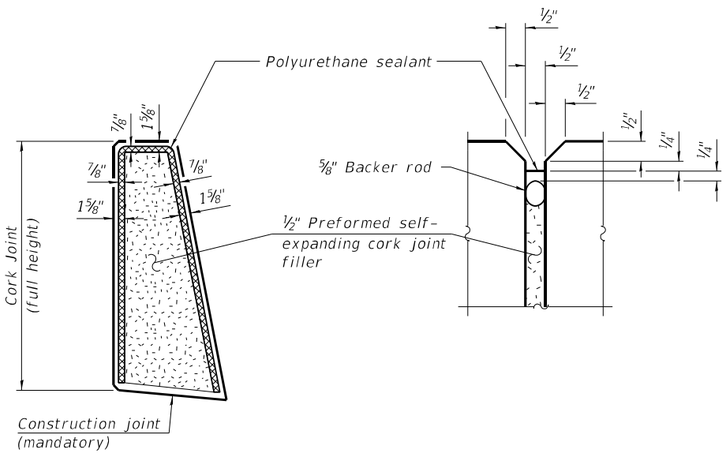
BAR a103(E)



BAR d100(E)



BAR d101(E)



PARAPET EXPANSION JOINT DETAILS

Note:
The polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.

BILL OF MATERIAL ANCHORAGE SLABS

Bar	No.	Size	Length	Shape
a100(E)	219	#6	13'-0"	
a101(E)	111	#5	11'-1"	
a102(E)	56	#6	2'-0"	
a103(E)	471	#6	21'-0"	
a104(E)	237	#5	19'-1"	
b100(E)	26	#5	31'-10"	
b101(E)	78	#5	27'-11"	
b102(E)	168	#5	29'-2"	
b103(E)	126	#5	32'-2"	
b104(E)	44	#5	33'-0"	
d100(E)	515	#5	7'-0"	
d101(E)	515	#5	8'-6"	
e100(E)	24	#4	15'-10"	
e101(E)	60	#4	15'-1"	
e102(E)	72	#4	17'-9"	
e103(E)	72	#4	14'-6"	
e104(E)	24	#4	16'-1"	

Item	Unit	Total
Reinforcement Bars, Epoxy Coated	Pound	50,290
Concrete Superstructure	Cu. Yd.	335.3
Protective Coat	Sq. Yd.	754

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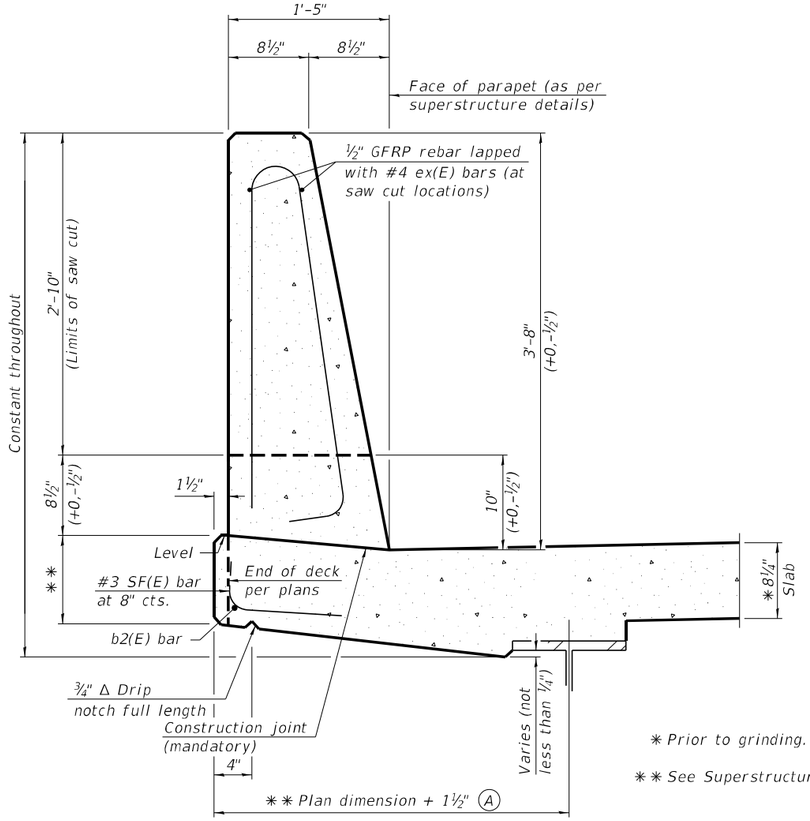
QUIGG ENGINEERING INC

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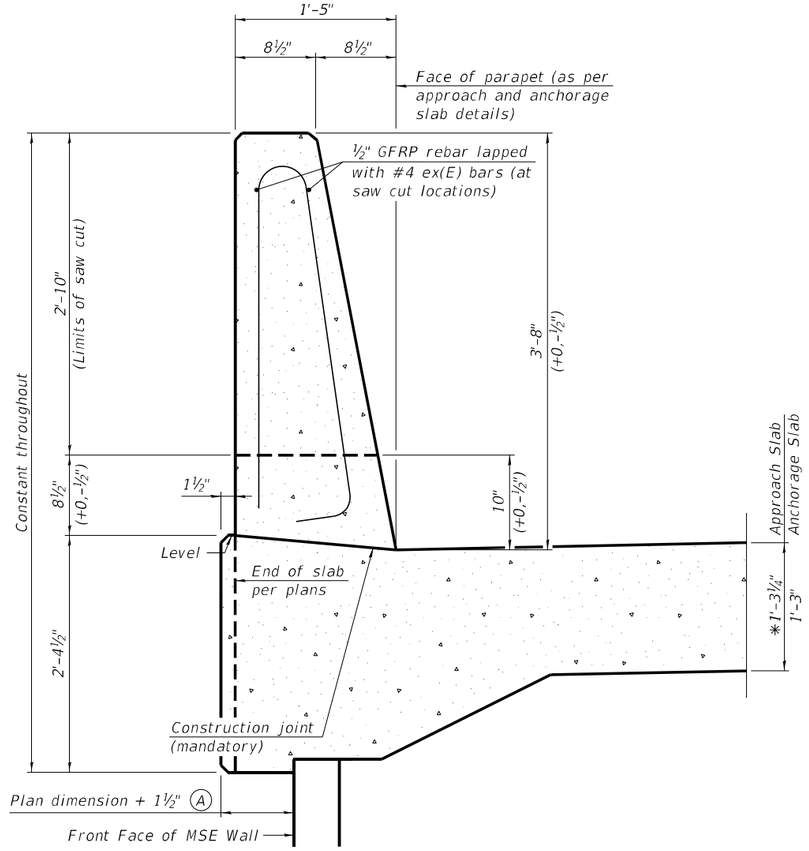
ANCHORAGE SLAB DETAILS (2 OF 2)
STRUCTURE NO. 101-0215
SHEET 28 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	795
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



∗ Prior to grinding.

∗∗ See Superstructure Details.



DECK

APPROACH & ANCHORAGE SLABS

Notes:

All dimensions shall remain the same as shown on superstructure, approach slab, and anchorage slab details, except dimension "A" which is to be revised as shown. Additional concrete needed to revise dimension "A" equals 0.00376 cu. yds./ft. for the south edge of deck, 0.00492 cu. yds./ft. for the north edge of deck, and 0.01100 cu. yds./ft. for the approach and anchorage slabs.

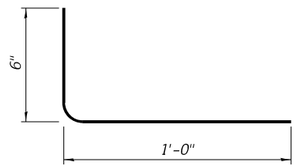
Place full depth aluminum sheets as shown on superstructure details.

Replace all cork joint filler locations with a full thickness saw cut.

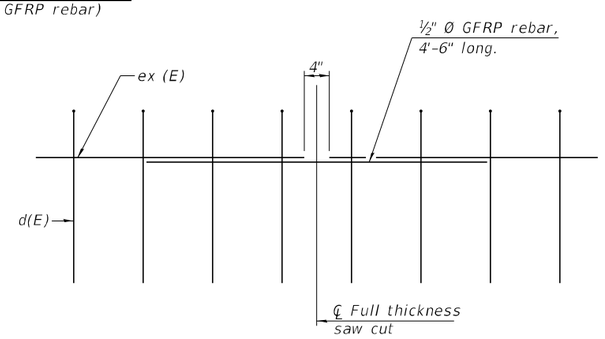
Dimension "A" from end of slab to front face of MSE wall shall be consistent for the full length of the approach and anchorage slabs located within the same quadrant of the bridge.

44" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



#3 SF(E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

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Chicago, Illinois 60601
312-565-0450 Job No. 10800

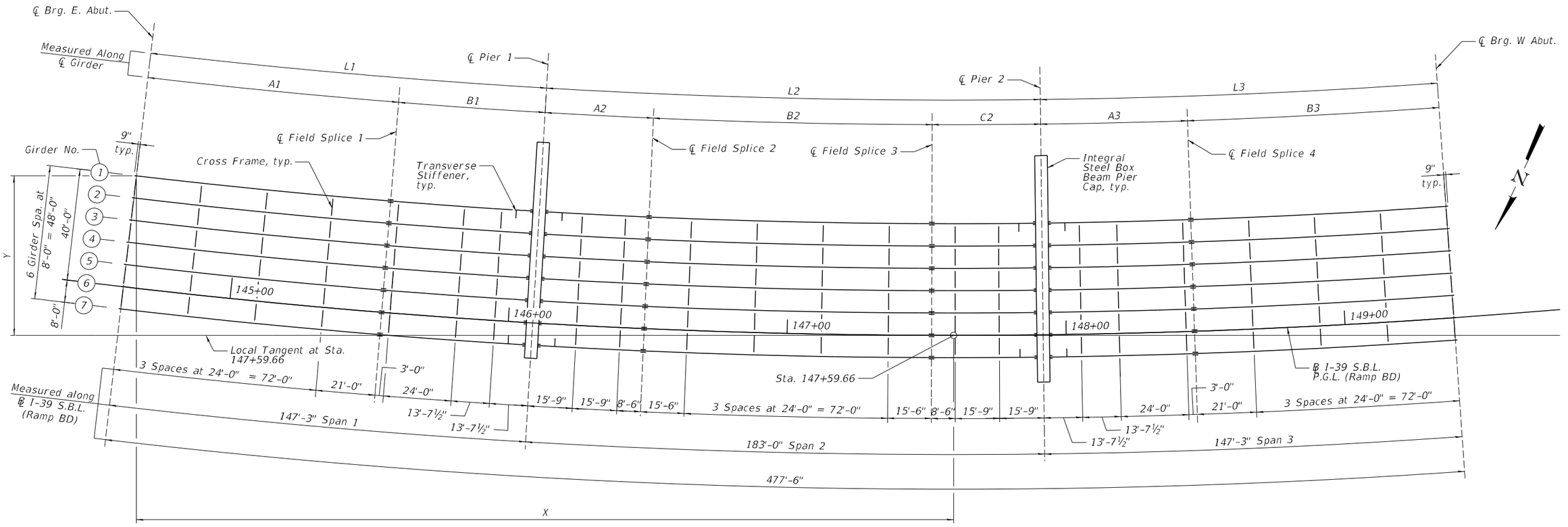
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STATE OF ILLINOIS
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CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 101-0215

SHEET 29 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	796
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



FRAMING PLAN

GIRDER DIMENSIONS (IN FEET)

Girder	Radius	A1	B1	A2	B2	C2	A3	B3
1	2510.000	91.541	53.399	39.373	101.385	39.373	53.399	91.541
2	2518.000	91.833	53.569	39.498	101.708	39.498	53.569	91.833
3	2526.000	92.125	53.739	39.624	102.031	39.624	53.739	92.125
4	2534.000	92.417	53.910	39.749	102.354	39.749	53.910	92.417
5	2542.000	92.708	54.080	39.875	102.677	39.875	54.080	92.708
6	2550.000	93.000	54.250	40.000	103.000	40.000	54.250	93.000
7	2558.000	93.292	54.420	40.126	103.323	40.126	54.420	93.292

LAYOUT DIMENSIONS (IN FEET)

Girder	℄ Brg. East Abut.		℄ Field Splice 1		℄ Pier 1		℄ Field Splice 2		℄ Field Splice 3		℄ Pier 2		℄ Field Splice 4		℄ Brg. West Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1	292.81	57.14	201.72	48.12	148.46	44.39	109.14	42.37	7.78	40.01	31.59	40.20	84.97	41.44	176.38	46.21
2	293.75	49.19	202.36	40.14	148.93	36.41	109.49	34.38	7.81	32.01	31.69	32.20	85.24	33.44	176.94	38.22
3	294.68	41.25	203.01	32.17	149.40	28.42	109.83	26.39	7.83	24.01	31.79	24.20	85.51	25.45	177.50	30.24
4	295.61	33.30	203.65	24.20	149.88	20.44	110.18	18.40	7.86	16.01	31.89	16.20	85.78	17.45	178.07	22.26
5	296.54	25.36	204.29	16.22	150.35	12.45	110.53	10.40	7.88	8.01	31.99	8.20	86.06	9.46	178.63	14.28
6	297.48	17.41	204.94	8.25	150.82	4.46	110.88	2.41	7.91	0.01	32.09	0.20	86.33	1.46	179.19	6.30
7	298.41	9.47	205.58	0.27	151.30	3.52	111.22	5.58	7.93	7.99	32.19	7.80	86.60	6.53	179.75	1.68

NOTES:

1. All cross frames shall be placed radially.
2. See sheet 31 of 69 for girder elevations and dimensions measured along ℄ girder.
3. See sheet 32 of 69 for cross frame and girder details.
4. See sheet 33 of 69 for field splice details.
5. See sheets 36 – 40 of 69 for integral steel box beam pier cap details.
6. All cross frames between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.

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312-565-0450 Job No. 10800

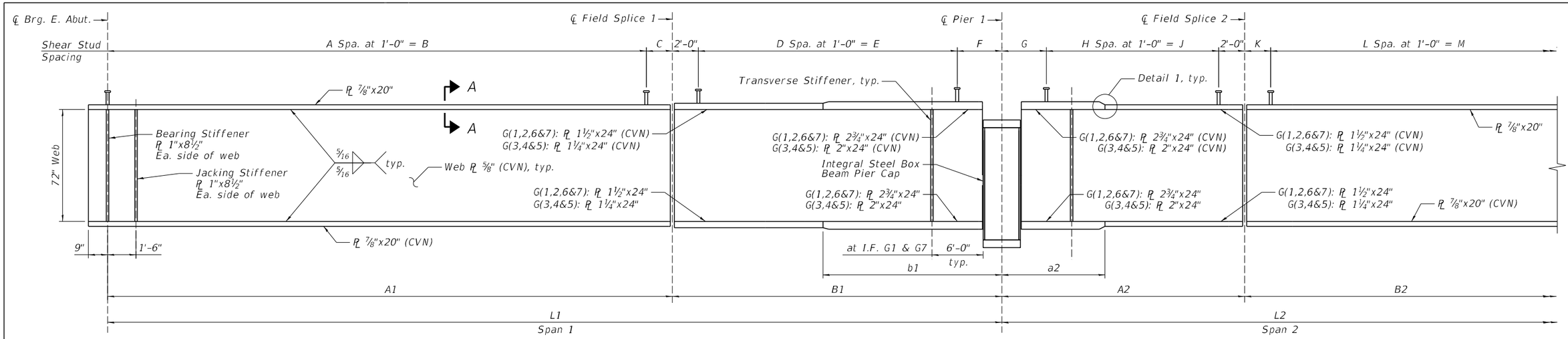
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND CURVED GIRDER LAYOUT
STRUCTURE NO. 101-0215
SHEET 30 OF 69 SHEETS

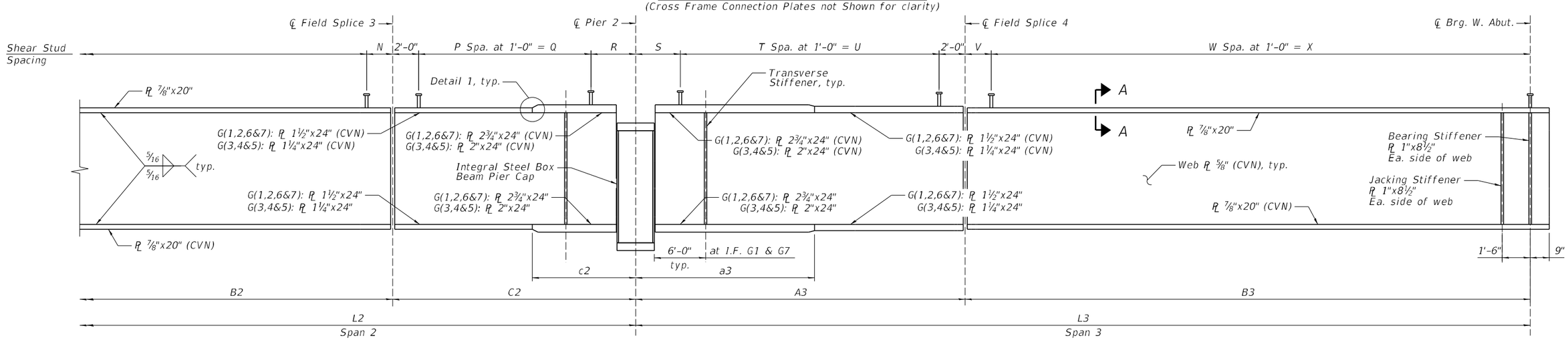
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

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GIRDER ELEVATION – SPANS 1 & 2

(Cross Frame Connection Plates not Shown for clarity)

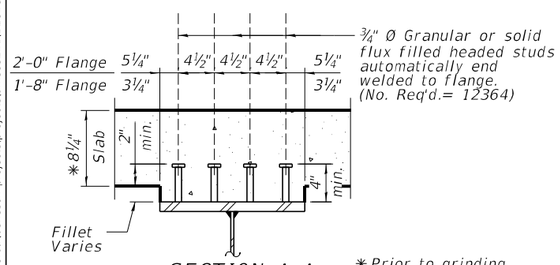


GIRDER ELEVATION – SPANS 2 & 3

(Cross Frame Connection Plates not Shown for clarity)

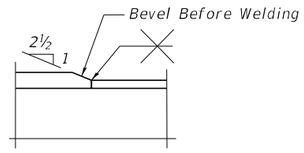
NOTES:

1. All structural steel shall be AASHTO M270 Grade 50.
2. "CVN" denotes Charpy-V-Notch impact energy requirements, Zone 2.
3. See sheet 32 of 69 for cross frame and girder details.
4. See sheet 33 of 69 for field splice details.
5. See sheets 36 – 40 of 69 for integral steel box beam pier cap details.



SECTION A-A

*Prior to grinding.



DETAIL 1

GIRDER DATA

Girder	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
1	89	89'-0"	2'-6½"	46	46'-0"	5'-4 13/16"	5'-4½"	32	32'-0"	2'-2 5/16"	97	97'-0"	2'-2 5/16"	32	32'-0"	5'-4½"	5'-4 13/16"	46	46'-0"
2	89	89'-0"	2'-10"	46	46'-0"	5'-6 13/16"	5'-6"	32	32'-0"	2'-4¼"	97	97'-0"	2'-4¼"	32	32'-0"	5'-6"	5'-6 13/16"	46	46'-0"
3	90	90'-0"	2'-1½"	46	46'-0"	5'-8 7/8"	5'-7½"	32	32'-0"	2'-0 3/16"	98	98'-0"	2'-0 3/16"	32	32'-0"	5'-7½"	5'-8 7/8"	46	46'-0"
4	90	90'-0"	2'-5"	46	46'-0"	5'-10 15/16"	5'-9"	32	32'-0"	2'-2⅛"	98	98'-0"	2'-2⅛"	32	32'-0"	5'-9"	5'-10 15/16"	46	46'-0"
5	90	90'-0"	2'-8½"	46	46'-0"	6'-0 13/16"	5'-10½"	32	32'-0"	2'-4 1/16"	98	98'-0"	2'-4 1/16"	32	32'-0"	5'-10½"	6'-0 13/16"	46	46'-0"
6	91	91'-0"	2'-0"	47	47'-0"	5'-3"	6'-0"	32	32'-0"	2'-0"	99	99'-0"	2'-0"	32	32'-0"	6'-0"	5'-3"	47	47'-0"
7	91	91'-0"	2'-3½"	47	47'-0"	5'-5 1/16"	6'-1½"	32	32'-0"	2'-1 15/16"	99	99'-0"	2'-1 15/16"	32	32'-0"	6'-1½"	5'-5 1/16"	47	47'-0"

Girder	V	W	X	A1	B1	A2	B2	C2	A3	B3	L1	L2	L3	b1	a2	c2	a3
1	2'-6½"	89	89'-0"	91'-6½"	53'-4 13/16"	39'-4½"	101'-4 5/8"	39'-4½"	53'-4 13/16"	91'-6½"	144'-11 5/16"	180'-1 9/16"	144'-11 5/16"	28'-11 7/8"	16'-8¾"	16'-8¾"	28'-11 7/8"
2	2'-10"	89	89'-0"	91'-10"	53'-6 13/16"	39'-6"	101'-8½"	39'-6"	53'-6 13/16"	91'-10"	145'-4 13/16"	180'-8 7/16"	145'-4 13/16"	29'-0 15/16"	16'-9⅜"	16'-9⅜"	29'-0 15/16"
3	2'-1½"	90	90'-0"	92'-1½"	53'-8 7/8"	39'-7½"	102'-0⅜"	39'-7½"	53'-8 7/8"	92'-1½"	145'-10⅜"	181'-3 5/16"	145'-10⅜"	29'-2 1/16"	16'-10"	16'-10"	29'-2 1/16"
4	2'-5"	90	90'-0"	92'-5"	53'-10 15/16"	39'-9"	102'-4¼"	39'-9"	53'-10 15/16"	92'-5"	146'-3 15/16"	181'-10¼"	146'-3 15/16"	29'-3 3/16"	16'-10 1/16"	16'-10 1/16"	29'-3 3/16"
5	2'-8½"	90	90'-0"	92'-8½"	54'-0 15/16"	39'-10½"	102'-8⅛"	39'-10½"	54'-0 15/16"	92'-8½"	146'-9 7/16"	182'-5⅛"	146'-9 7/16"	29'-4 5/16"	16'-11 5/16"	16'-11 5/16"	29'-4 5/16"
6	2'-0"	91	91'-0"	93'-0"	54'-3"	40'-0"	103'-0"	40'-0"	54'-3"	93'-0"	147'-3"	183'-0"	147'-3"	29'-5 3/8"	17'-0"	17'-0"	29'-5 3/8"
7	2'-3½"	91	91'-0"	93'-3½"	54'-5 1/16"	40'-1½"	103'-3⅜"	40'-1½"	54'-5 1/16"	93'-3½"	147'-8 9/16"	183'-6⅜"	147'-8 9/16"	29'-6⅜"	17'-0 1/16"	17'-0 1/16"	29'-6⅜"

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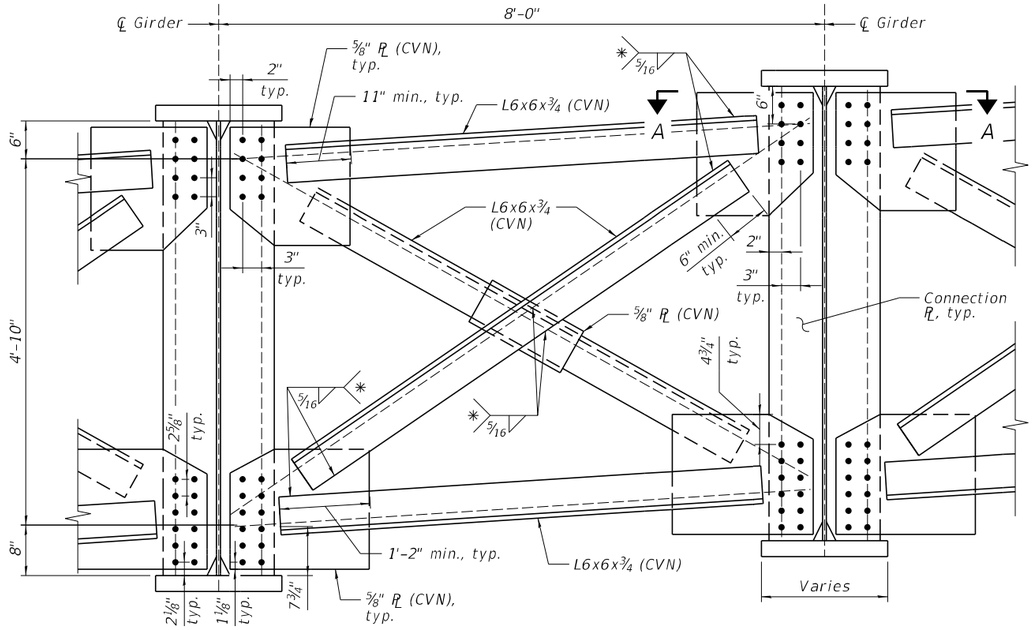
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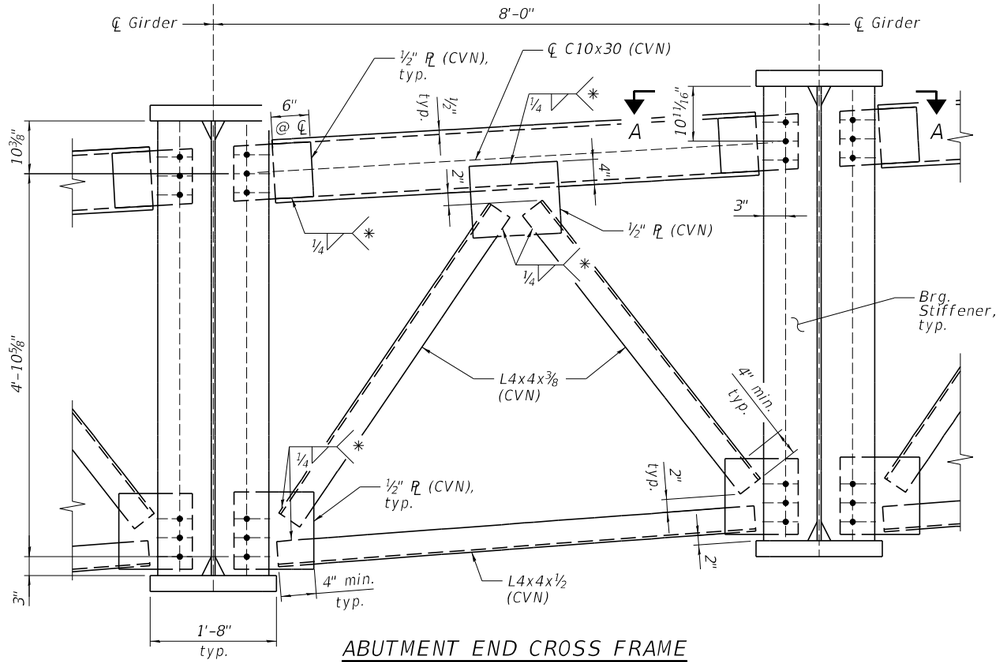
STEEL PLATE GIRDER ELEVATIONS
STRUCTURE NO. 101-0215
SHEET 31 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		

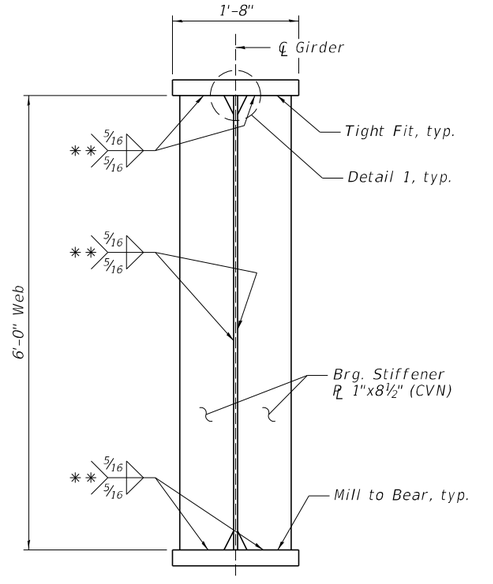
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TYPICAL INTERIOR CROSS FRAME

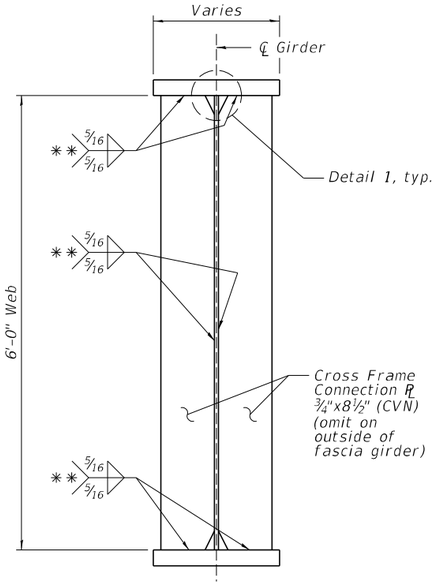


ABUTMENT END CROSS FRAME



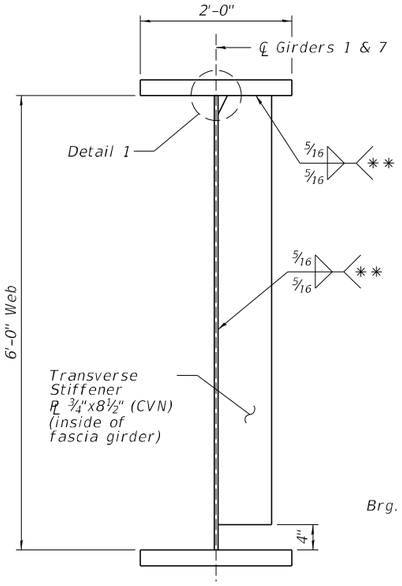
BEARING AND JACKING STIFFENER PLATES - ABUTMENTS

(No. Plates Req'd = 56)



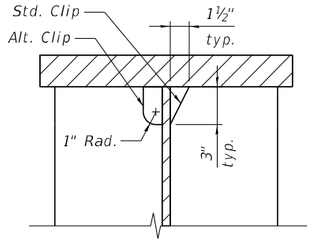
CONNECTION PLATES

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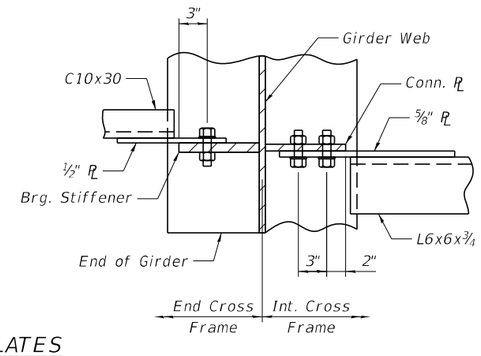
TRANSVERSE STIFFENER PLATES

(No. Plates Req'd = 8)



DETAIL 1

(Top and bottom flanges where applicable)



SECTION A-A

* Weld along 4 sides.

** Terminate weld 1/4" (±1/8") from edges of stiffener PL.

NOTES:

1. All structural steel shall be AASHTO M270 Grade 50.
2. All cross frames between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the engineer. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.
3. Girders and cross frames shall be detailed and fabricated for a no-load fit condition.
4. For location of cross frames, see sheet 30 of 69 .
5. Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized bolts. Bolts 7/8" diameter, holes 15/16" diameter unless noted otherwise.
6. "CVN" denotes Charpy-V-Notch impact energy requirements, Zone 2.
7. The Contractor shall either:
   a. Ream cross frame connection holes during shop assembly, or
   b. Provide detailing and fabrication controls acceptable to the Engineer which ensures accuracy such that field reaming will not exceed the amount permitted in Article 505.08(l) of the Standard Specifications.

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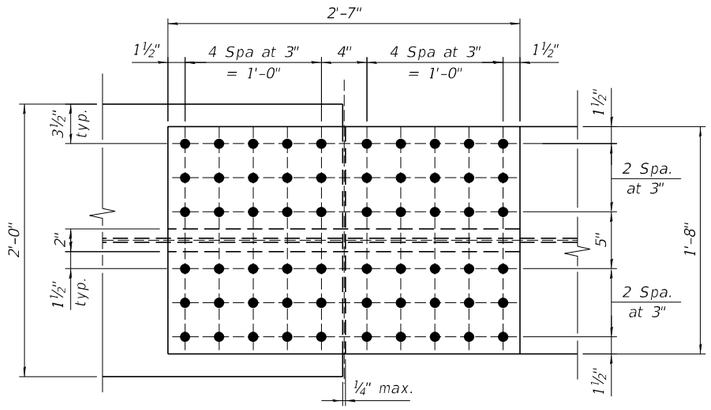
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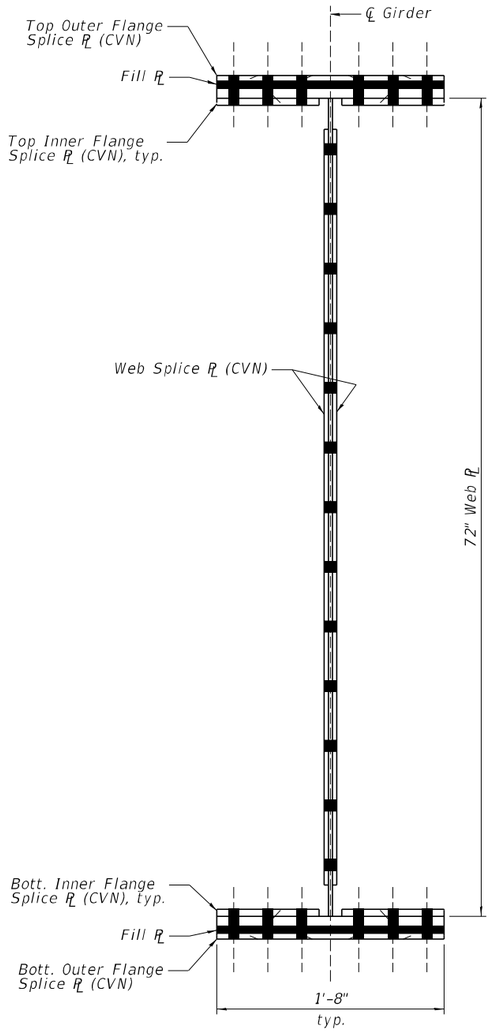
STATE OF ILLINOIS
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STEEL PLATE GIRDER CROSS FRAME AND STIFFENER DETAILS
STRUCTURE NO. 101-0215
SHEET 32 OF 69 SHEETS

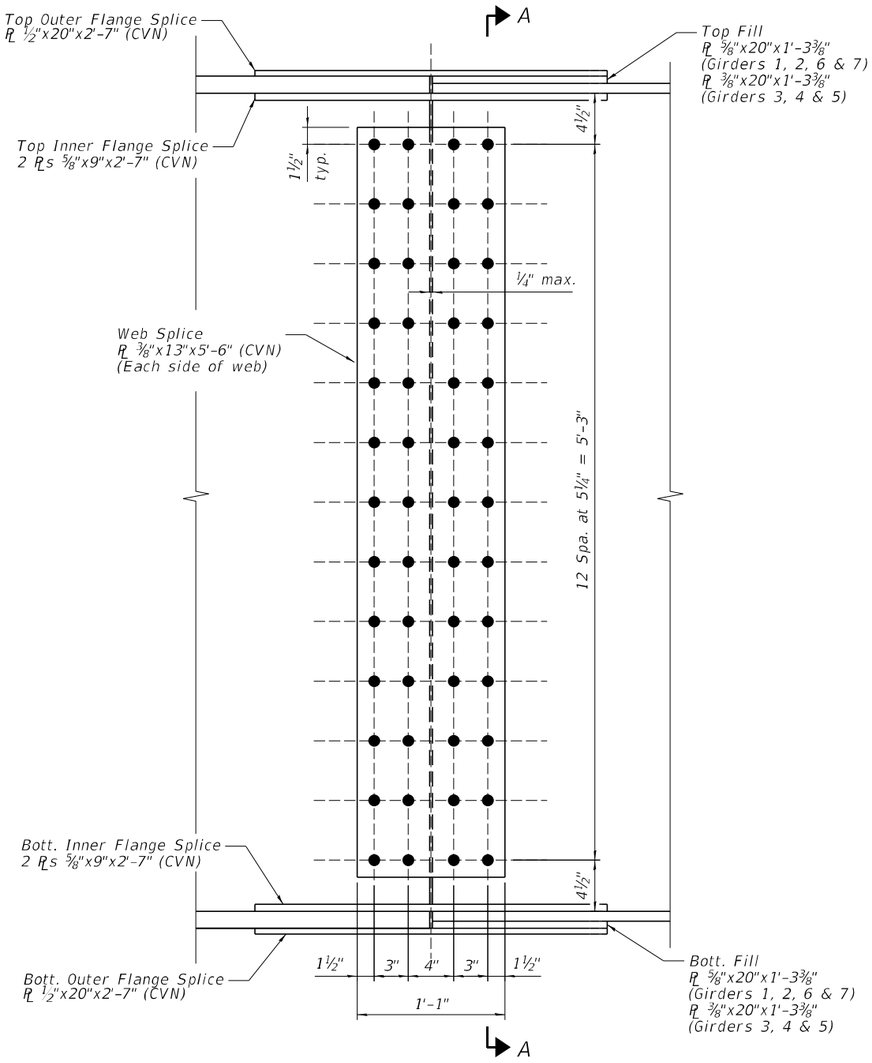
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	799
		CONTRACT NO. 64B13		
	ILLINOIS	FED. AID PROJECT		



FLANGE SPLICE BOLT LAYOUT
(Top and Bottom)



SECTION A-A



ELEVATION

NOTES:

1. All structural steel shall be AASHTO M270 Grade 50.
2. "CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
3. Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized bolts. Bolts ⅞" diameter, holes $^{15}/_{16}$" diameter unless noted otherwise.

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10800

USER NAME =	DESIGNED - EAO	REVISED -	
	CHECKED - MFH	REVISED -	
PLOT SCALE =	DRAWN - EAO	REVISED -	
PLOT DATE =	CHECKED - MFH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL PLATE GIRDER FIELD SPLICE DETAILS
STRUCTURE NO. 101-0215

SHEET 33 OF 69 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(201-3)K	WINNEBAGO	2192	800
		CONTRACT NO. 64B13		
	ILLINOIS FED. AID PROJECT			

MODEL: SMODELNAMES
FILE NAME: c:\pwworkdir\benesch projects\projects\dms65241\D264C62-1010215-sht-splice.dgn

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