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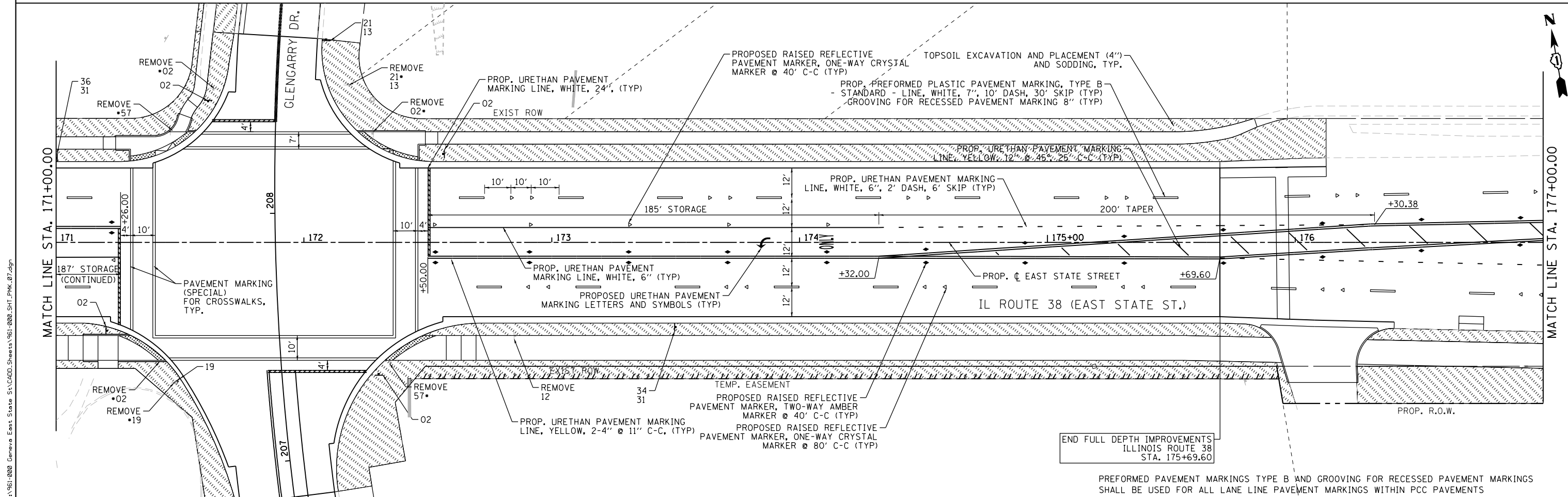
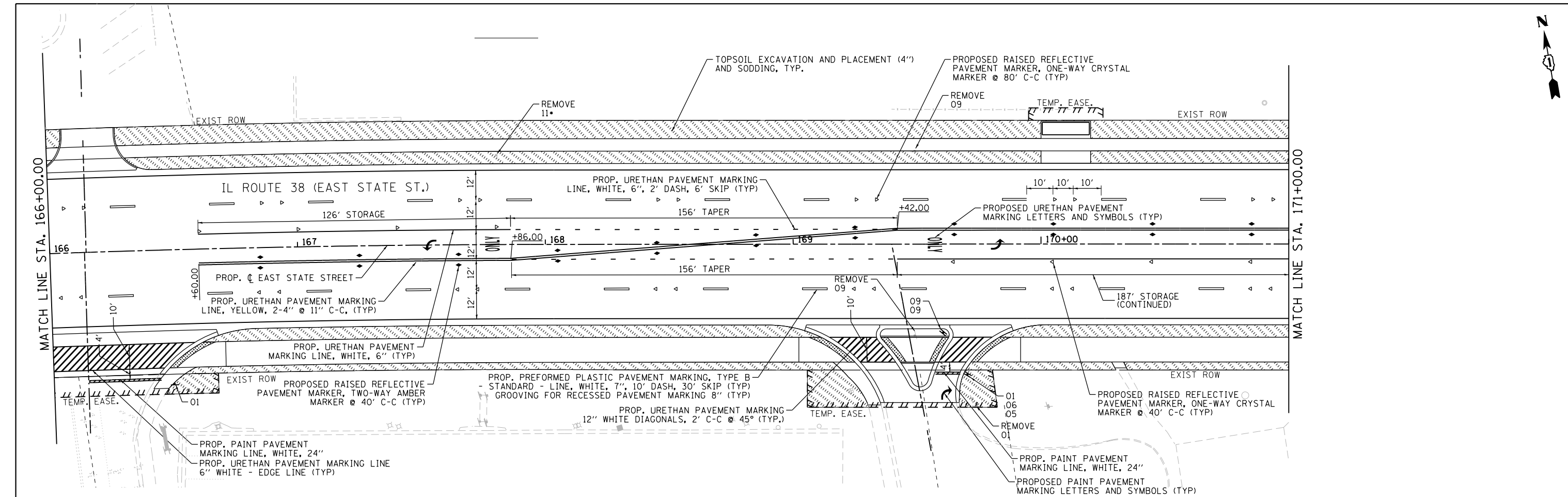
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PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 - EAST STATE STREET
PAVEMENT MARKING, SIGNING, AND LANDSCAPE RESTORATION**

SCALE: 1"=20' SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	301
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



END FULL DEPTH IMPROVEMENTS
ILLINOIS ROUTE 38
STA. 175+69.60

PREFORMED PAVEMENT MARKINGS TYPE B AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN PCC PAVEMENTS

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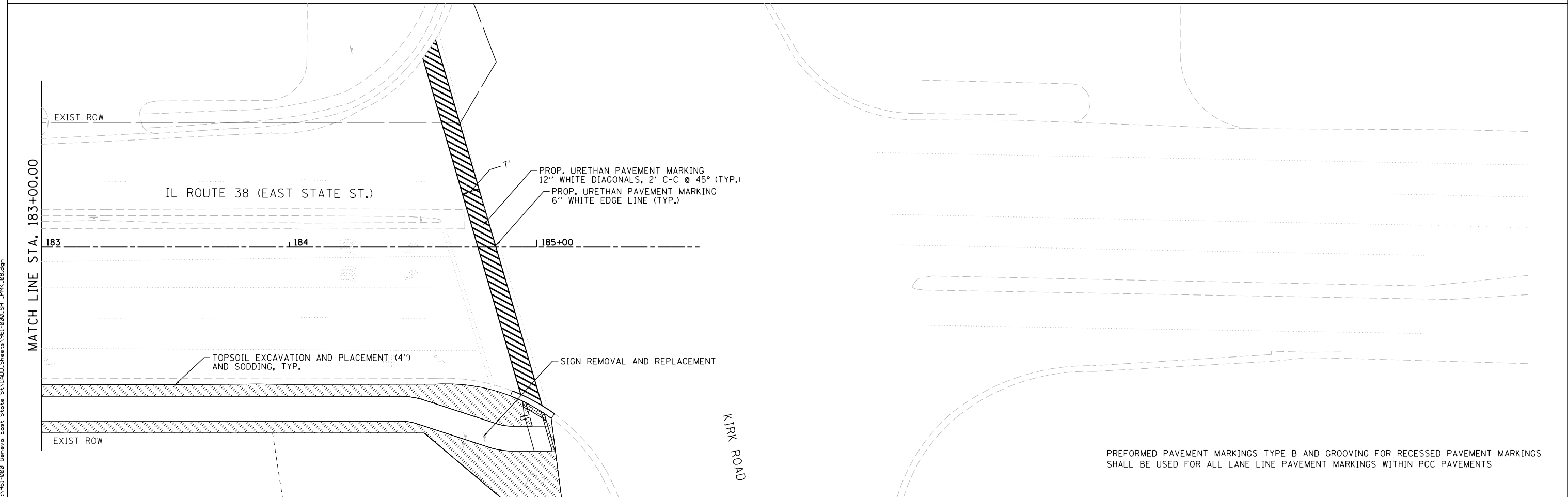
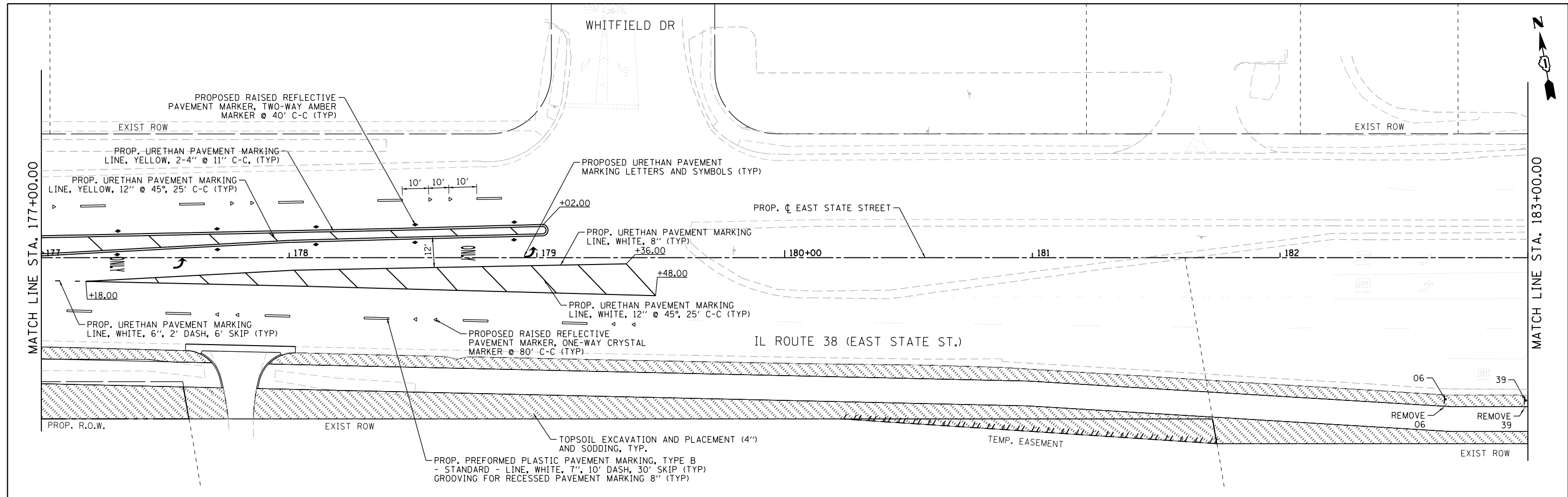
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PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 - EAST STATE STREET
PAVEMENT MARKING, SIGNING, AND LANDSCAPE RESTORATION PLAN**

SCALE: 1"=20' SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	302
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



PREFORMED PAVEMENT MARKINGS TYPE B AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN PCC PAVEMENTS

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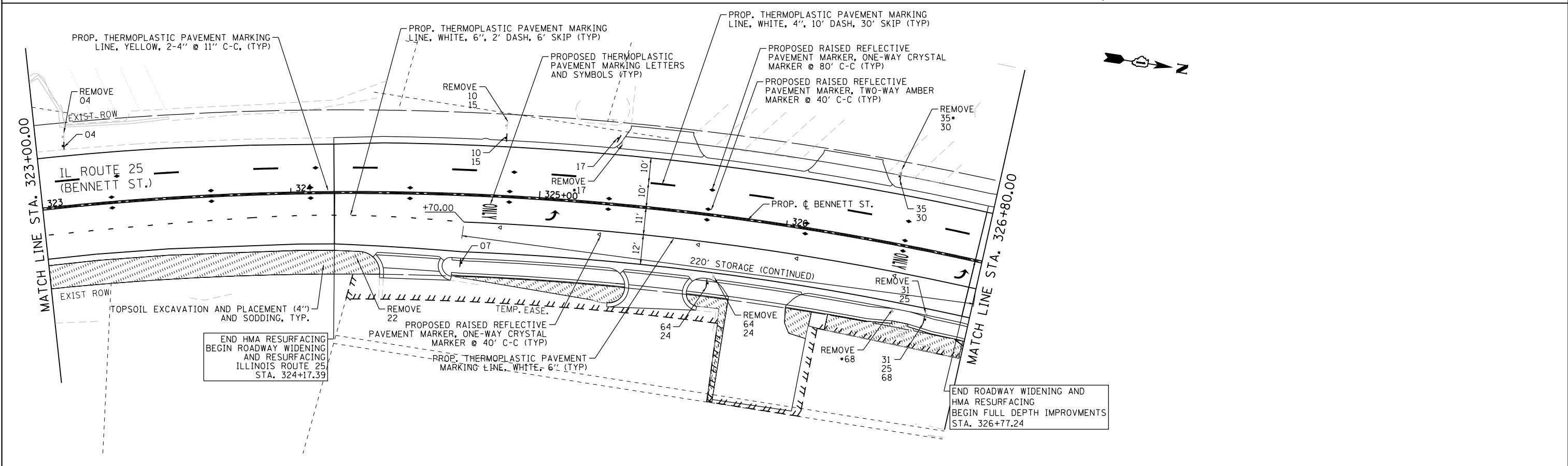
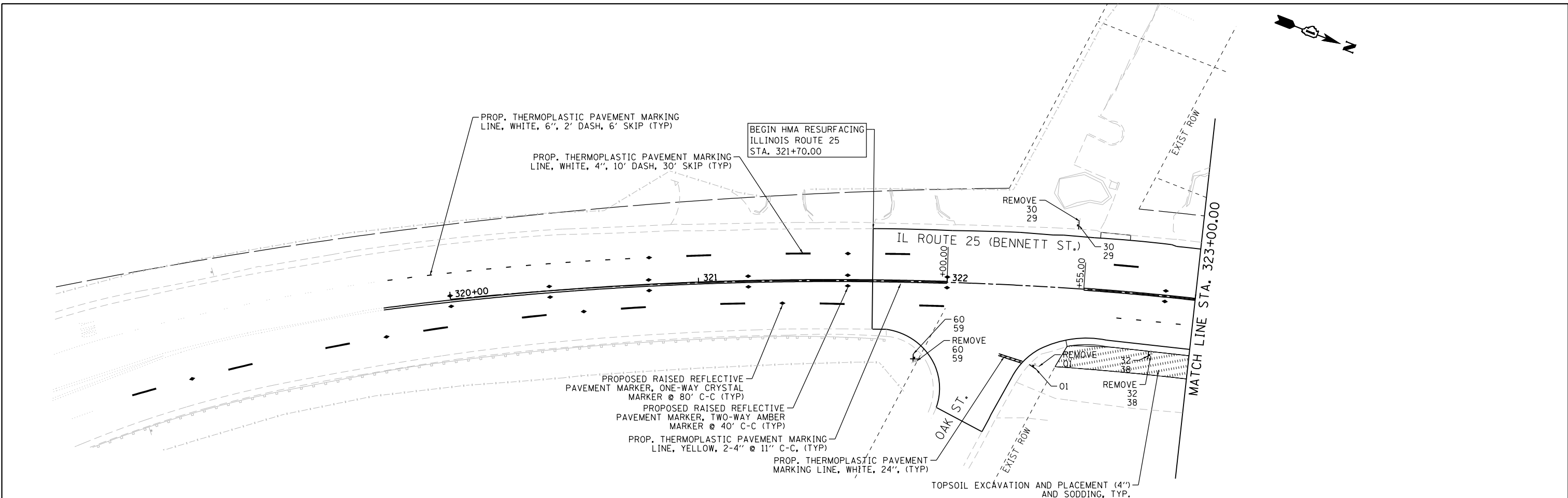
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	PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
		DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 - EAST STATE STREET
PAVEMENT MARKING, SIGNING, AND LANDSCAPE RESTORATION PLAN**

SCALE: 1"=20' SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	303
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



PREFORMED PAVEMENT MARKINGS TYPE B AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN PCC PAVEMENTS

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	DATE - 11/7/2024	REVISED -

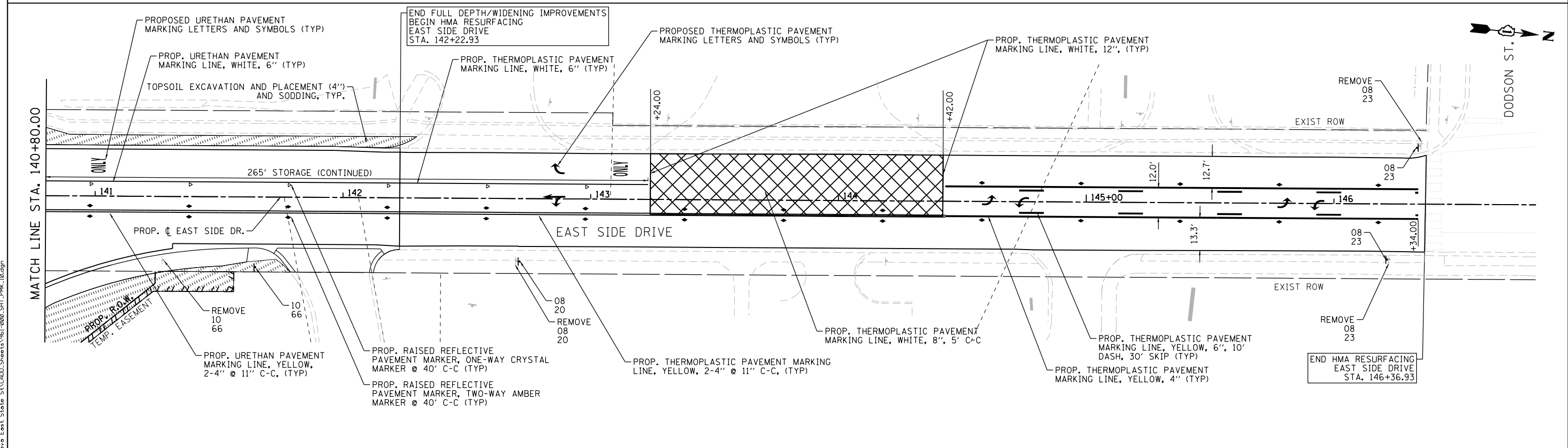
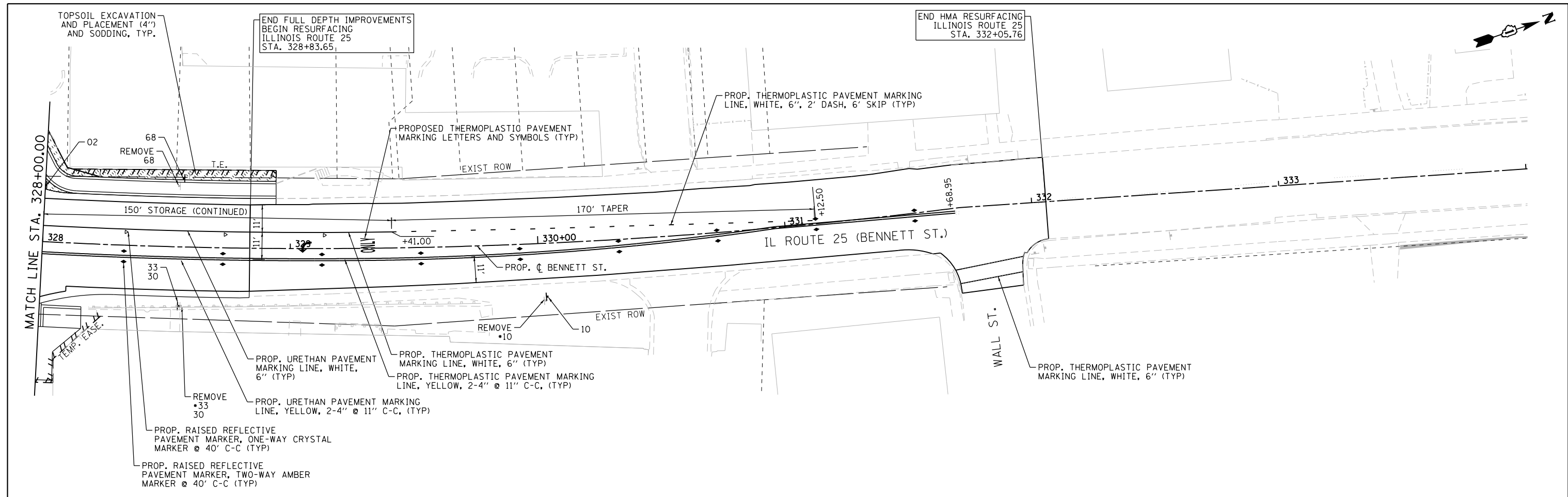
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 25 - BENNETT STREET
PAVEMENT MARKING, SIGNING, AND LANDSCAPE RESTORATION PLAN**

SCALE: 1"=20' SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	304
CONTRACT NO. 61J84				

ILLINOIS FED. AID PROJECT



PERFORMED PAVEMENT MARKINGS TYPE B AND GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN PCC PAVEMENTS

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	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 25 - BENNETT STREET & EAST SIDE DRIVE
PAVEMENT MARKING, SIGNING, AND LANDSCAPE RESTORATION PLAN
SCALE: 1"=20' SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	305
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

FILE NAME = FA\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_PWK_12_scheduled.dgn

EAST STATE STREET							
STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
116+50.58	33.32RT	32	21x15	1	2.19	16	-
		30	24x24	1	4.00		
118+28.34	43.19RT	40	36x30	1	7.50	14.5	-
118+15.09	38.27LT	37	24X18	1	3.00	14	-
		64	18x18	1	2.25	15.75	-
118+76.71	49.89RT	24	12x9	1	0.75		
		44	36x18	1	4.50	16.5	-
		43	36x18	1	4.50		
118+90.54	31.69LT	65	18X12	1	1.50	9.5	-
118+69.8	53.54 LT	36	24X12	1	2.00	15	-
119+53.53	31.53LT	31	24x24	1	4.00		
		30	24x24	1	4.00		
119+76.40	51.03RT	25	21X15	1	2.19		MOUNTED TO SW CORNER MAST ARM POST
		2	30X30	1	6.25		
		30	24X24	1	4.00		
120+92.75	32.05LT	25	21X15	1	2.19		MOUNTED TO NE CORNER LIGHT POLE
		2	30X30	1	6.25		
120+78.89	31.58 RT	34	24X12	1	2.00	15	-
		31	24x24	1	4.00		
121+21.78	37.68RT	9	36X36	1	9.00	10	1
121+48.07	35.13RT	3	36X36	1	9.00	14.5	-
122+14.95	31.55RT	10	30X36	1	7.50	15	-
123+65.00	32.48LT	15	12X18	1	1.50	13.5	-
		13	30X36	1	7.50	17.5	-
124+03.90	77.24RT	21	24X30	1	5.00		
124+30.13	50.35RT	1	36X36	1	9.00	14.5	-
		45	36X18	1	4.50	13.5	-
		43	36X18	1	4.50		
125+25.00	31.58LT	32	24x12	1	2.00	16	-
		30	24x24	1	4.00		
126+00.00	31.58LT	26	36X36	1	9.00	15	-
126+95.47	48.13LT	1	36X36	1	9.00	14.5	-
		46	36X18	1	4.50	13.5	-
		43	36x18	1	4.50		
127+39.65	34.91LT	15	12X18	1	1.50	13.5	-
127+77.47	31.55LT	13	30X36	1	7.50	17.5	-
128+52.27	51.02RT	21	24X30	1	5.00		
128+82.56	49.81RT	1	36X36	1	9.00	14.5	-
		47	36X18	1	4.50	13.5	-
		43	36x18	1	4.50		
129+04.97	31.73RT	15	12X18	1	1.50	13.5	-
129+41.38	31.55RT	10	30X36	1	7.50	15	-
129+96.68	31.58LT	10	30X36	1	7.50	15	-
130+30.00	31.55RT	10	30X36	1	7.50	15	-
130+48.60	47.79LT	1	36X36	1	9.00	14.5	-
130+70.62	36.96RT	3	36x36	1	9.00	14.5	-
130+83.15	68.17LT	21	24X30	1	5.00	16	-
		15	12X18	1	1.50		
		43	36X18	1	4.50	13.5	-
		48	36X18	1	4.50		
131+46.01	31.55RT	15	12X18	1	1.50	13.5	-
132+47.63	48.82RT	1	36X36	1	9.00	14.5	-
		49	36X18	1	4.50	13.5	-
		43	36x18	1	4.50		
133+14.82	31.58RT	15	12X18	1	1.50	13.5	-
134+36.67	31.55RT	15	12X18	1	1.50	13.5	-
134+19.43	48.05LT	1	36X36	1	9.00	14.5	-
134+55.33	58.24LT	21	24X30	1	5.00	14.5	-
		50	36X18	1	4.50	13.5	-
		43	36X18	1	4.50		
135+00.67	32.86RT	51	36X18	1	4.50	13.5	-
		43	36X18	1	4.50		
135+57.98	50.21RT	1	36X36	1	9.00	14.5	-
136+10.63	31.55LT	15	12X18	1	1.50	13.5	-
138+50.00	31.58LT	10	30X36	1	7.50	16.5	-
		15	12X18	1	1.50		
139+06.88	46.05LT	1	36X36	1	9.00	16	-
139+53.02	81.40LT	21	24X30	1	5.00	14.5	-
140+00.00	32.08RT	11	30X36	1	7.50	15	-
143+83.69	71.83RT	27	36X36	1	9.00	14	-
143+90.87	48.89RT	1	36X36	1	9.00	9.5	1
		53	36X18	1	4.50	13.5	-
		43	36X19	1	4.50		

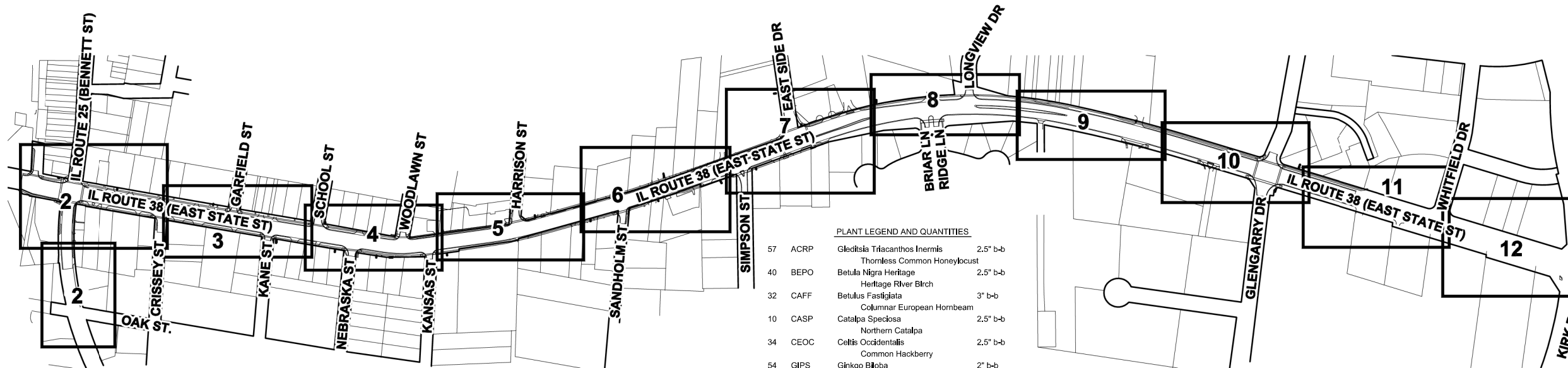
EAST STATE STREET							
STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
146+24.41	32.05RT	8	36X36	1	9.00	15	-
		1	36X36	1	9.00		
148+26.19	46.97LT	6	30X36	1	7.50	17.2	-
		3	36X36	1	9.00		
		9	36X36	1	9.00	10	1
		9	36X36	1	9.00		
148+43.62	35.88LT	54	36X18	1	4.50	13.5	-
		43	36X18	1	4.50		
148+44.51	34.49LT	5	24X30	1	5.00	15	1
148+94.87	5.53LT	9	36X36	1	9.00	15	-
148+99.26	50.10RT	9	36X36	1	9.00	15	-
149+16.75	53.12RT	1	36X36	1	9.00	14.5	-
		6	30X36	1	7.50		
148+64.51	118.79RT	13	30X36	1	7.50	15	-
149+57.74	35.05LT	11	30X36	1	7.50	15	-
150+75.05	35.05LT	36	24X12	1	2.00	15	-
		31	36X18	1	4.50		
150+77.93	44.31RT	8	36X36	1	9.00		MOUNTED TO SW CORNER LIGHT POLE
		02*	30X30	1	6.25		
150+73.66	05.40LT	5	24X30	1	5.00	10	-
		70	20x30	1	5.00		
151+28.25	65.13LT	2	36X36	1	9.00	15	-
152+28.99	47.80LT	8	36X36	1	9.00	17.5	-
		02*	30X30	1	6.25		
152+26.38	05.48RT	5	24X30	1	5.00	10	-
		70	24x30	1	5.00		
152+66.18	46.08LT	38	24X18	1	3.00	10	-
		11	30X36	1	7.50		
153+00.00	34.58RT	34	24X12	1	2.00	18	-
		31	24x24	1	4.00		
		1	36X36	1	9.00		
153+73.15	58.09LT	6	30X36	1	7.50	17.5	-
		3	36X36	1	9.00		
153+91.42	47.59LT	9	36X36	1	9.00	10	1
		9	36X36	1	9.00		
154+71.39	2.68LT	5	24X30	1	5.00	9.5	1
154+92.25	43.01LT	8	36X36	1	9.00	16.5	-
		66	18X12	1	1.50		
157+19.59	54.68LT	1	36X36	1	9.00	14.5	-
157+70.46	62.16RT	1	36X36	1	9.00	14.5	-
158+62.93	42.05*LT	11	30X36	1	7.50	15	-
158+74.56	52.55LT	56	36X18	1	4.50	13.5	-
		43	36X18	1	4.50		
159+35.00	1.99LT	5	24X30	1	5.00	9.5	1
158+81.50	55.19LT	1	36X36	1	9.00	14.5	-
161+98.01	50.06RT	67	18X18	1	2.25	13.5	-
000+78.05	3.03RT	5	24X30	1	5.00	9.5	1
162+20.07	52.57RT	1	36X36	1	9.00	14.5	-
166+49.01	54.06RT	1	36X36	1	9.00	14.5	-
169+60.46	35.70RT	9	36X36	1	7.50	10	1
		9	36X36	1	7.50		
		1	36X36	1	9.00		
169+70.29	52.60RT	6	30X36	1	7.50	17.5	-
		5	24X30	1	5.00		
		36	24X12	1	2.00	18	-
171+00.00	34.11LT	31	24x24	1	4.00		
171+20.51	35.58RT	2	30X30	1	6.25	14.5	-
171+49.01	56.08RT	19	12X9	1	0.75	13.5	-
171+61.36	56.80LT	2	30X30	1	6.25		MOUNTED TO NW CORNER LIGHTPOLE
172+08.92	81.81LT	13	30X36	1	7.50	17.5	-
		21	24X30	1	5.00		
172+30.19	53.17RT	2	30X30	1	6.25		MOUNTED TO SE CORNER LIGHTPOLE
172+56.23	35.56LT	2	30X30	1	6.25		MOUNTED TO SE CORNER LIGHTPOLE
173+50.00	34.08RT	34	24X12	1	2.00	18	-
		31	24x24	1	4.00		
182+66.80	57.17RT	6	30X36	1	7.50	15	-

EAST SIDE DRIVE							
STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
141+64.67	28.37RT	10	30X36	1	9.00	16.5	-
		66	18X12	1	1.50		
142+71.28	25.35RT	8	36X36	1	9.00	15	-
		20	12X9	1	0.75		
146+33.14	22.72LT	8	36X36	1	9.00	16	-
		23	24X12	1	2		
146+21.57	22.45RT	8	36X36	1	9.00	16	-
		23	24X12	1	2		

BENNETT STREET							
STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
321+87.44	30.73RT	60	36X18	1	4.5	13.5	-
		59	36X18	1	4.5		
322+50.90	25.49LT	30	24X24	1	2	15.5	-
		29	24X18	1	3		
322+36.43	32.12RT	1	36X36	1	9.00	14.5	-
322+83.82	24.27RT	32	21x15	1	2.19	16	-

STREETSCAPE PLANS FOR EAST STATE STREET HIGHWAY RECONSTRUCTION

PREPARED FOR:
CITY OF GENEVA
1800 SOUTH STREET
GENEVA, ILLINOIS
MAY 31, 2024



PLANT LEGEND AND QUANTITIES

57	ACRP	Gleditsia Triacanthos Inermis	2.5" b-b
		Thornless Common Honeylocust	
40	BEPO	Betula Nigra Heritage	2.5" b-b
		Heritage River Birch	
32	CAFF	Betulus Fastiglata	3" b-b
		Columnar European Hornbeam	
10	CASP	Catalpa Speciosa	2.5" b-b
		Northern Catalpa	
34	CEOC	Celtis Occidentalis	2.5" b-b
		Common Hackberry	
54	GIPS	Ginkgo Biloba	2" b-b
		Ginkgo	
63	QURA	Quercus Coccinea	1.75" b-b
		Scarlet Oak	

SHEET INDEX

1. TITLE SHEET
2. STREETSCAPE PLAN
3. STREETSCAPE PLAN
4. STREETSCAPE PLAN
5. STREETSCAPE PLAN
6. STREETSCAPE PLAN
7. STREETSCAPE PLAN
8. STREETSCAPE PLAN
9. STREETSCAPE PLAN
10. STREETSCAPE PLAN
11. STREETSCAPE PLAN
12. STREETSCAPE PLAN
13. LANDSCAPE DETAILS

CONSULTANTS

LANDSCAPE ARCHITECT

Lannert Group
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Landscape Architecture • Planning • Community Consulting
215 Fulton Street
Geneva, Illinois 60134
(630) 208-8088
Fax (630) 208-8050
http://www.lannert.com
lg@lannert.com

CIVIL ENGINEER

BLA, INC.
333 PIERCE ROAD, SUITE 200
ITASCA, ILLINOIS 60143
(630) 438-6400
(630) 438-6444 (fax)

LEGEND

- CENTRAL BUSINESS DISTRICT EXTENSION (CBDE) SIDEWALK PAVEMENT BORDER SEE DETAIL A/13
- HISTORIC CHARACTER DISTRICT (HCD) SIDEWALK PAVEMENT BORDER SEE DETAIL B/13
- NEIGHBORHOOD CHARACTER DISTRICT (NCD) SIDEWALK PAVEMENT BORDER SEE DETAIL C/13
- IDOT SALT TOLERANT SOD SEE ROADWAY PLANS
- PLANTING BY VOLUNTEER GARDEN PROGRAM SEE ROADWAY PLANS



LANDSCAPE ARCHITECT'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF KANE) 88

This is to certify that the final landscape architectural plan for the East State Street Highway Reconstruction located from the Fox River bridge eastward to Kirk Road in Geneva, Illinois was designed and prepared by an Illinois Registered Landscape Architect.

The Lannert Group, Inc.

NOTE:
THE LANDSCAPE ARCHITECT AND HIS/HER CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE WORK PRODUCT THEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE WORK PRODUCT, THE LANDSCAPE ARCHITECT SHALL BE PROMPTLY NOTIFIED SO THAT HE/SHE MAY HAVE THE OPPORTUNITY TO TAKE ANY STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT OF SUCH CONDITIONS SHALL ABSOLVE THE LANDSCAPE ARCHITECT FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE LANDSCAPE ARCHITECT, OR IN CONTRADICTION TO THE LANDSCAPE ARCHITECT'S WORK PRODUCT OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE LANDSCAPE ARCHITECT BUT OF THE PARTIES RESPONSIBLE FOR THE TAKING OF SUCH ACTION.

REVISIONS	DATE	SHEET NUMBERS	COVER

1409 - EAST STATE STREET

FILE NAME = FA\961-0000 Geneva East State St\CADD_Sheets\961-0000_SHT_Landscape_Architect.dgn

JOB NO.: 1409
 DATE: 05.31.24
 REVISIONS:
 DRAWN BY: KL

EAST STATE STREET
 STREETSCAPE AND LANDSCAPE ENHANCEMENTS
 WATER STREET - KIRK ROAD
 CITY OF GENEVA
 1800 SOUTH STREET
 GENEVA, ILLINOIS 60134

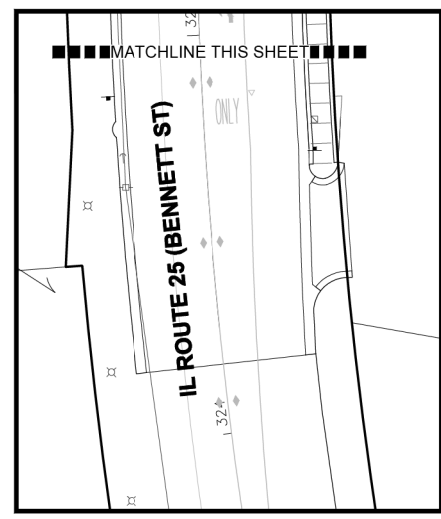
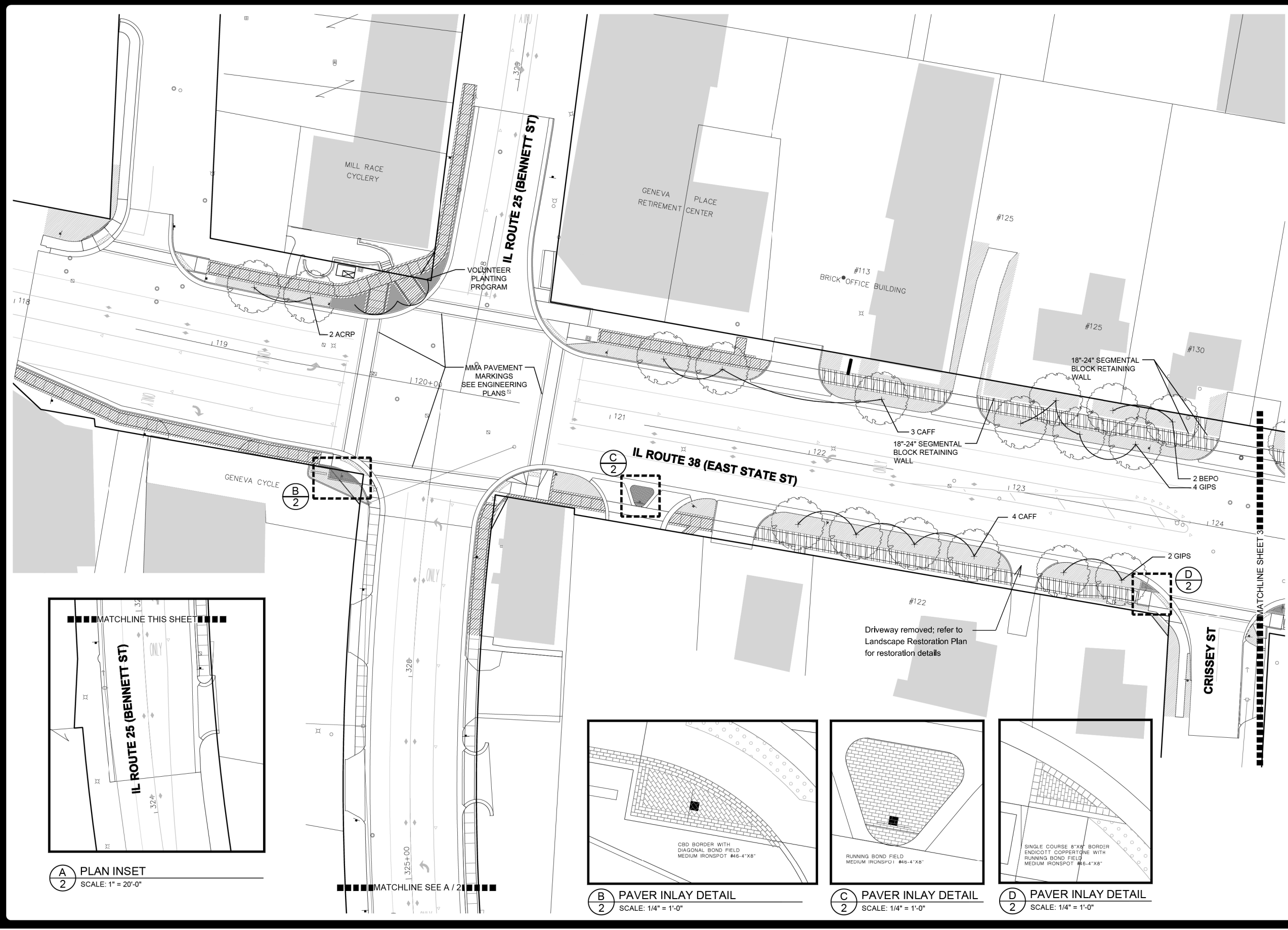
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Lannert Group
 Landscape Architecture • Planning • Community Consulting
 (630) 208-6088
 Fax (630) 208-6050
 http://www.lannert.com
 lig@lannert.com

Lannert Group
 Landscape Architecture • Planning • Community Consulting
 215 Fulton Street
 Geneva, Illinois 60134

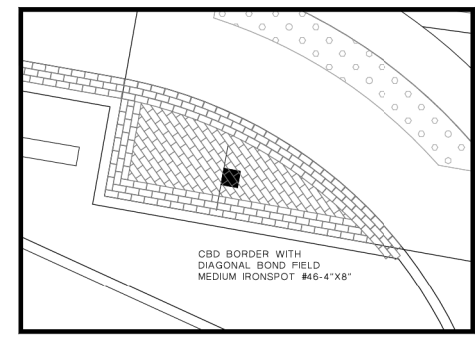


STREETSCAPE PLAN

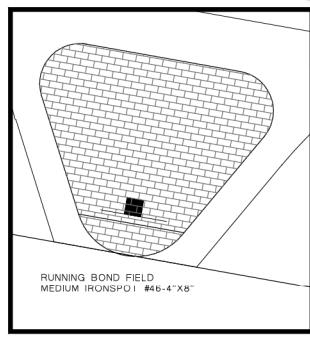
SHEET NUMBER
2
 OF 13



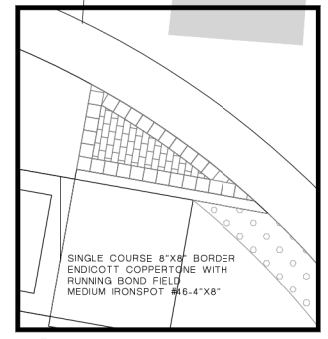
(A) PLAN INSET
 SCALE: 1" = 20'-0"



(B) PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



(C) PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



(D) PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



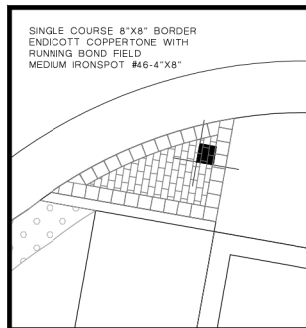
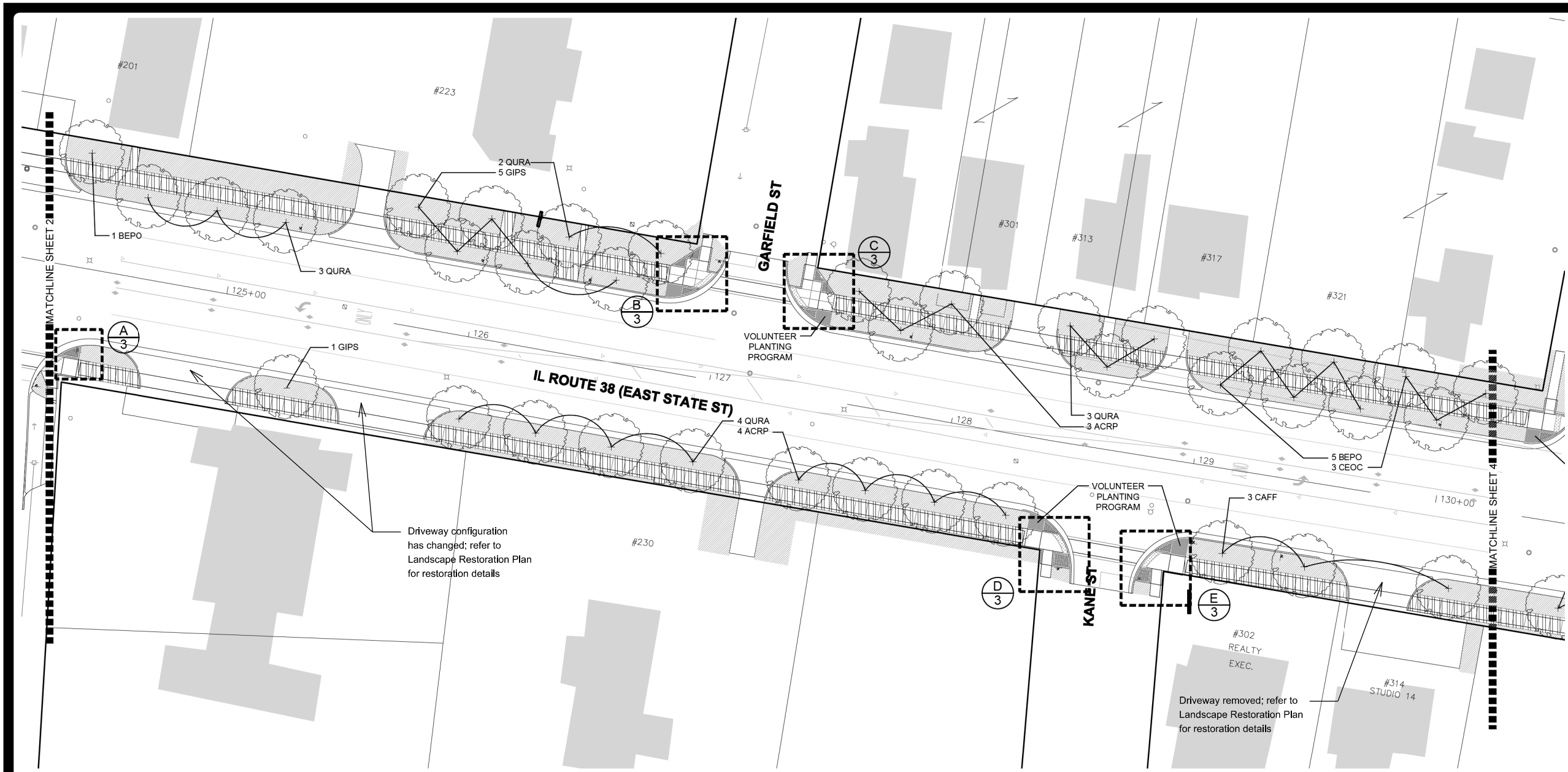
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	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

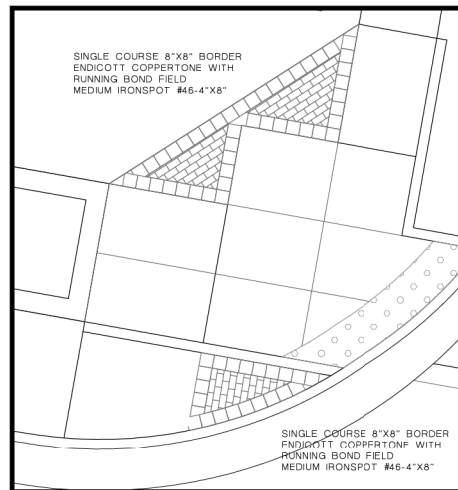
ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

SCALE: 1"=20' SHEET 2 OF 13 SHEETS STA. TO STA.

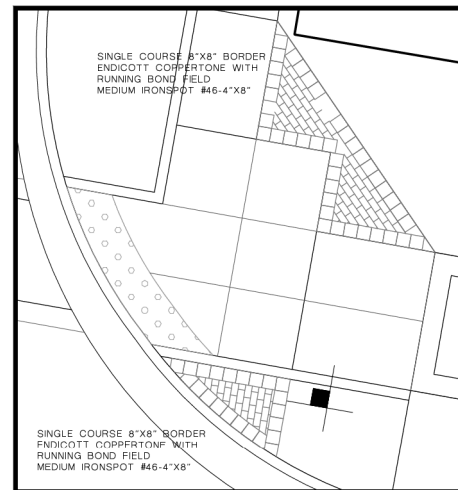
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	309
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				



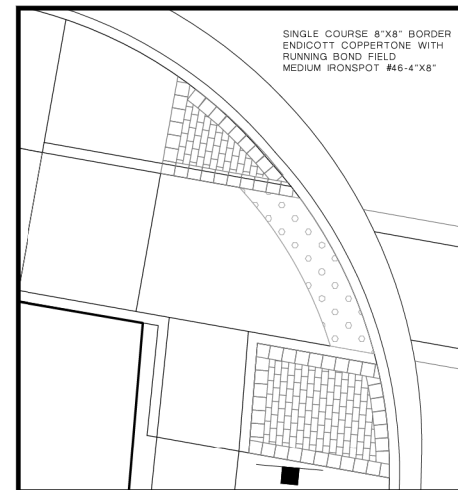
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3
PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



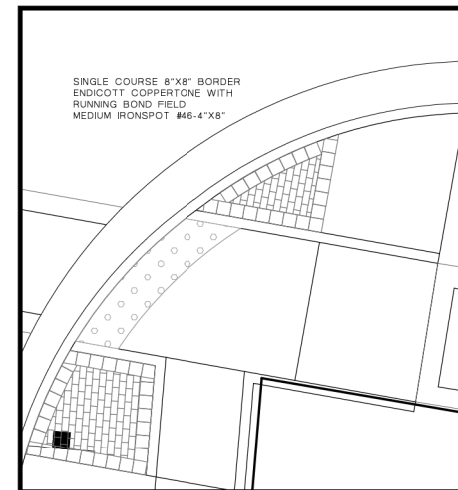
B
3
PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



C
3
PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



D
3
PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



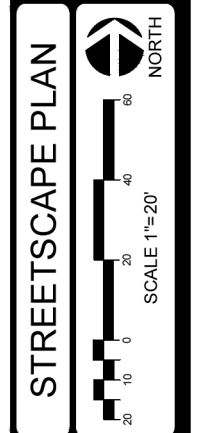
E
3
PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"

JOB NO.: 1409
DATE: 05.31.24
REVISIONS:
DRAWN BY: KL

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SHEET NUMBER
3
OF 13

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET	
STREETSCAPE PLAN	
SCALE: 1"=20'	SHEET 3 OF 13 SHEETS STA. TO STA.

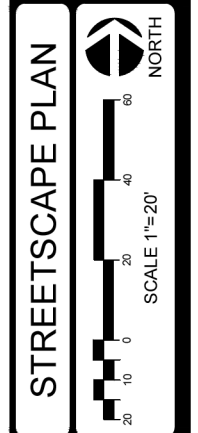
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	310
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

JOB NO.: 1409
 DATE: 05.31.24
 REVISIONS:
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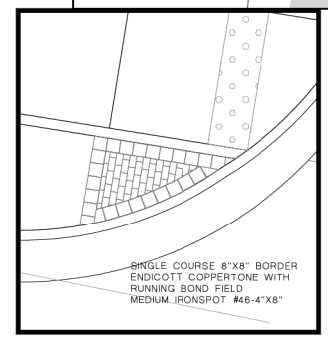
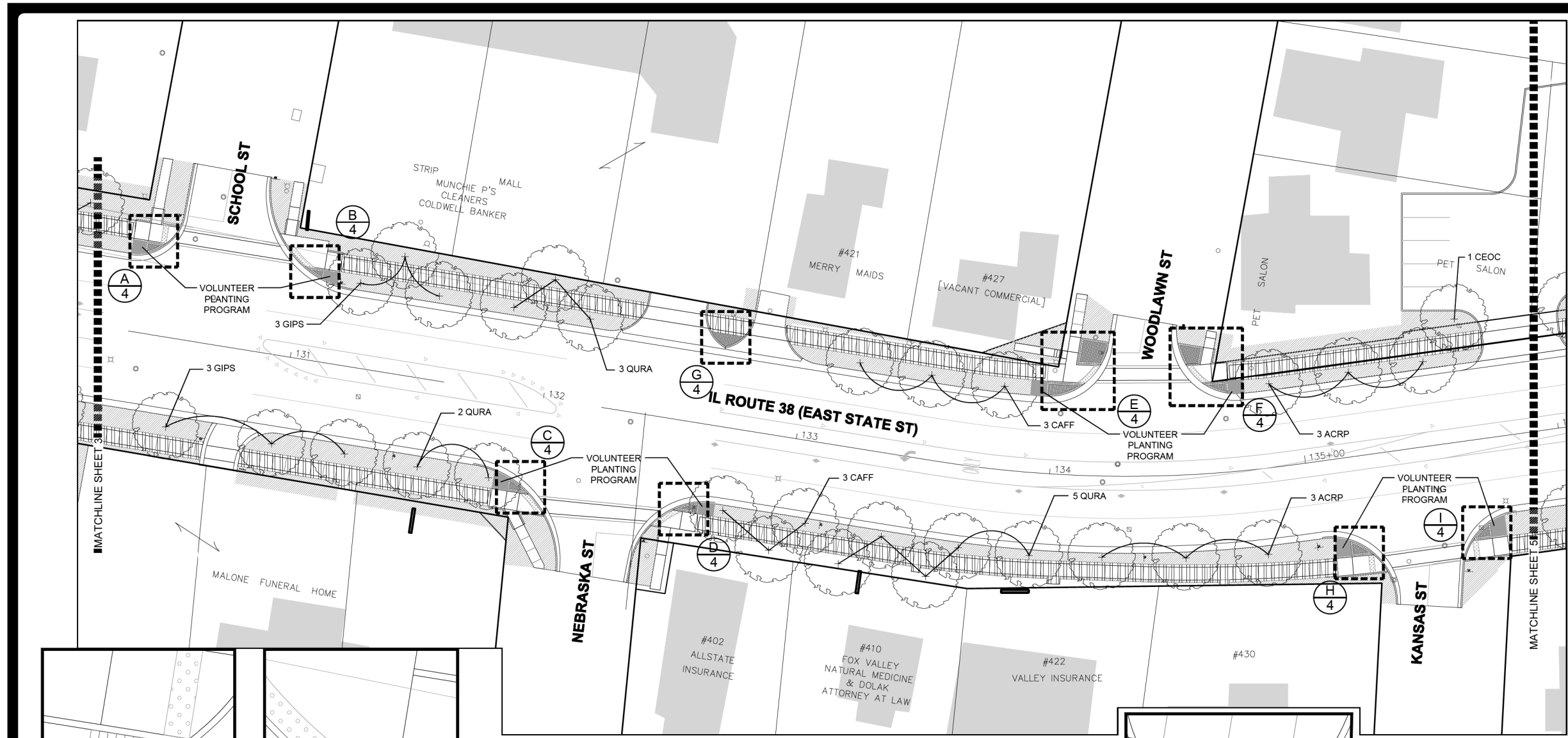
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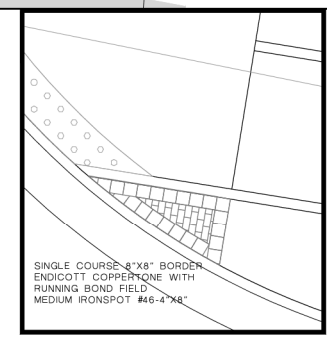
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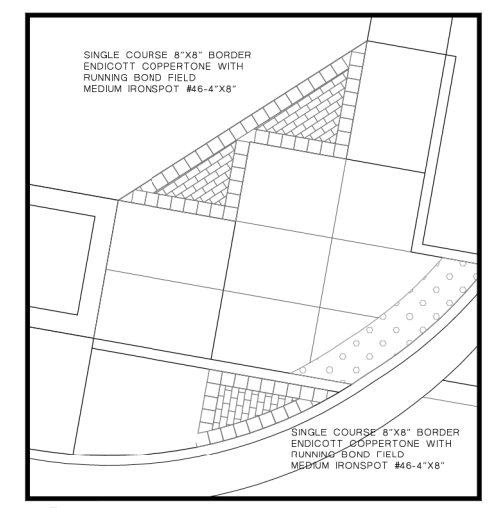
SHEET NUMBER
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 OF 13



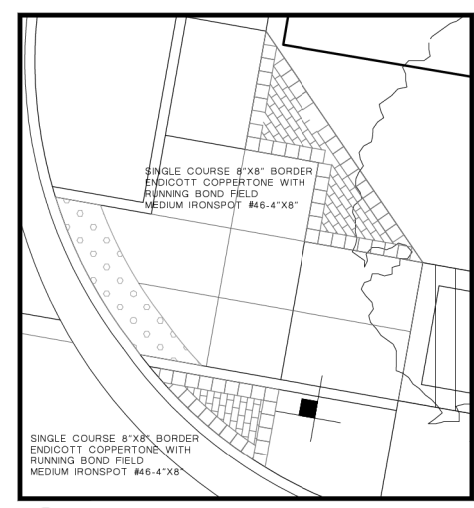
A
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PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



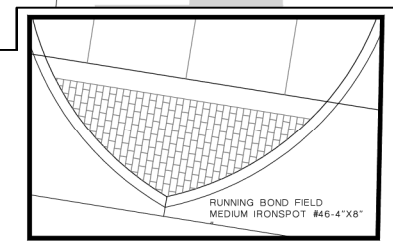
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 4
PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



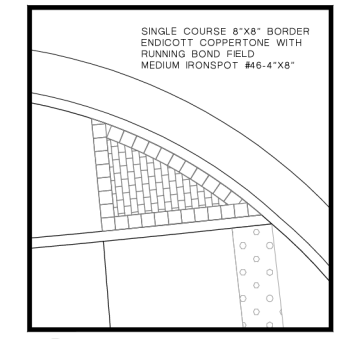
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PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



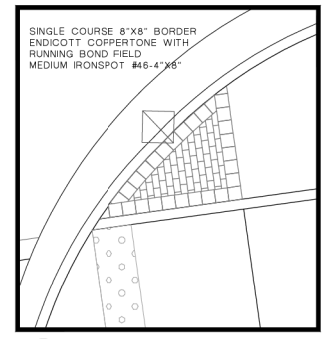
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PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



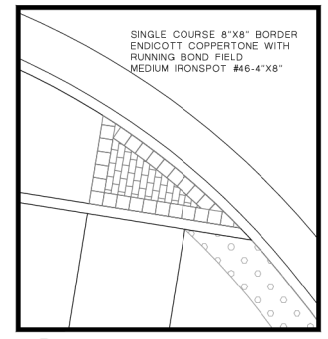
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PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



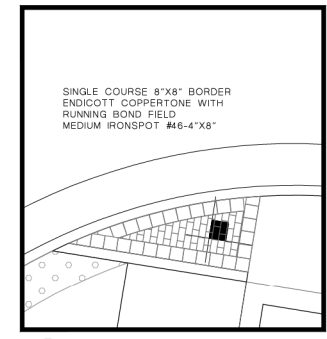
F
 4
PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



G
 4
PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



H
 4
PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"



I
 4
PAVER INLAY DETAIL
 SCALE: 1/4" = 1'-0"

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

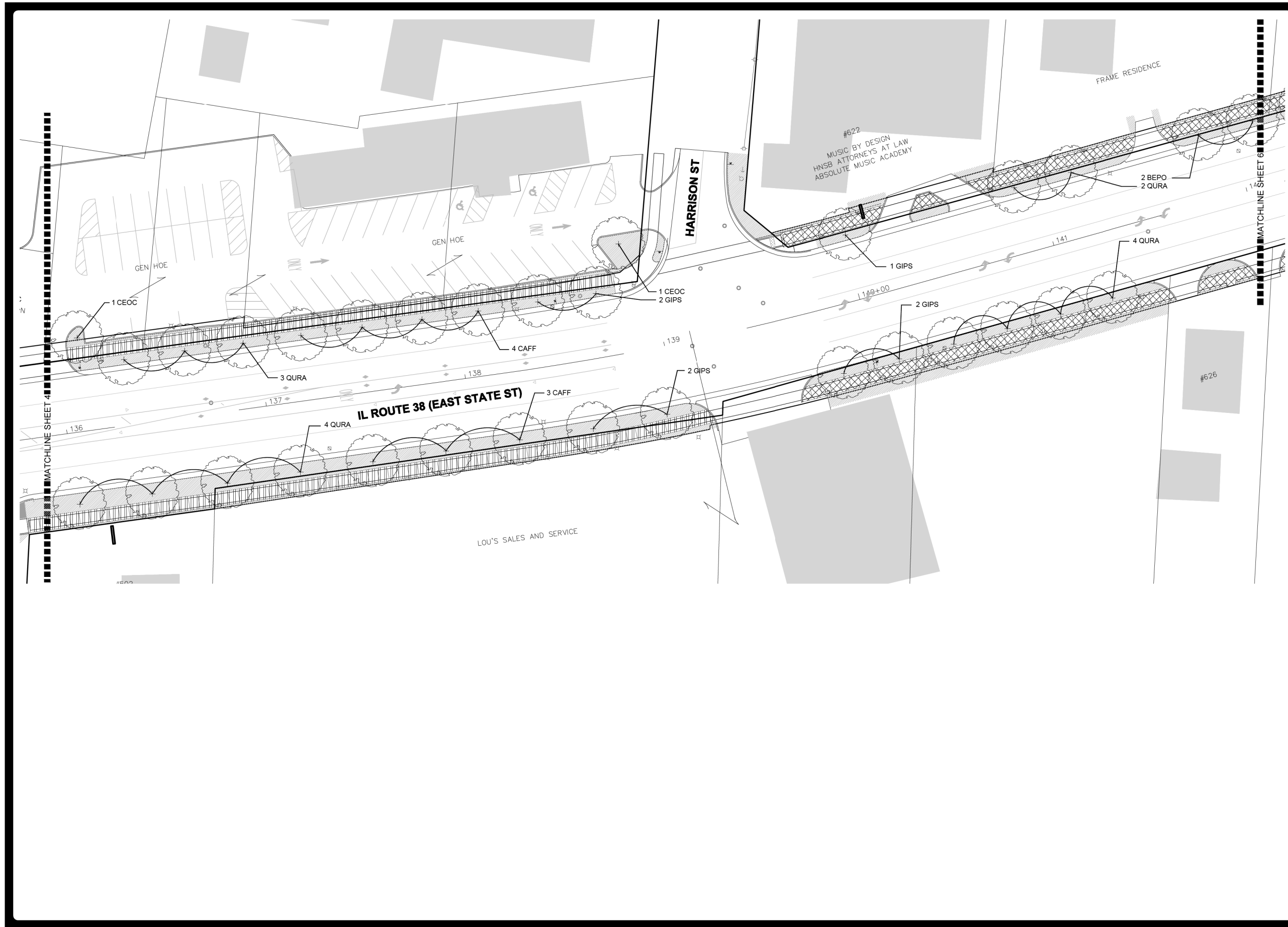
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

SCALE: 1"=20' SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	311
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	

FILE NAME = F:\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn

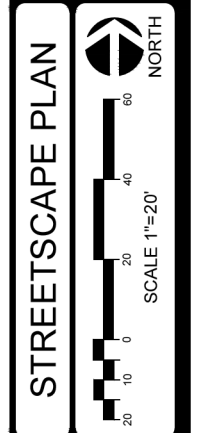


JOB NO.: 1409
 DATE: 05.31.24
 REVISIONS:
 DRAWN BY: KL

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SHEET NUMBER
5
 OF 13



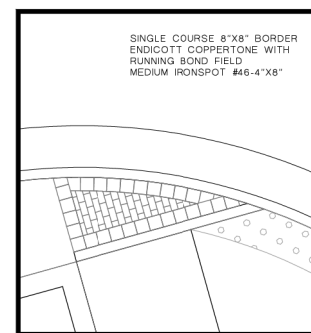
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

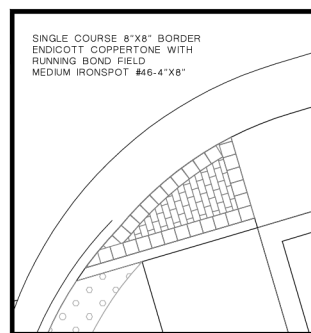
**ILLINOIS ROUTE 38 - EAST STATE STREET
 STREETSCAPE PLAN**

SCALE: 1"=20' SHEET 5 OF 13 SHEETS STA. TO STA.

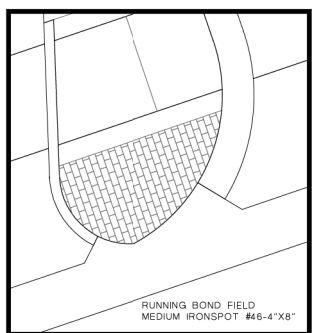
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	312
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				



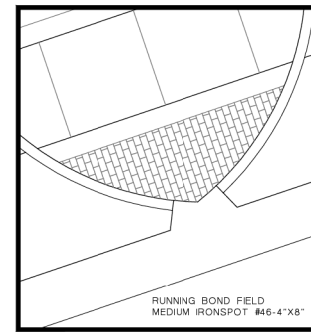
A PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



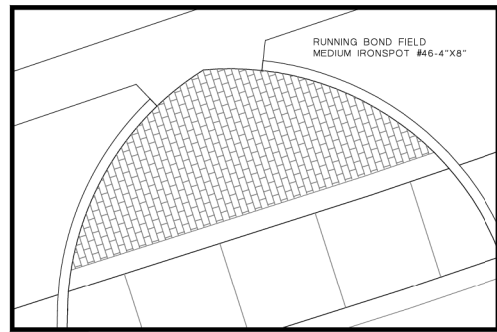
B PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



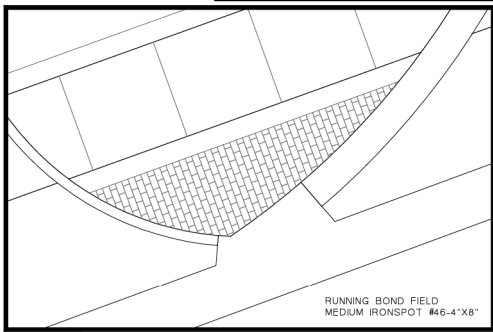
C PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



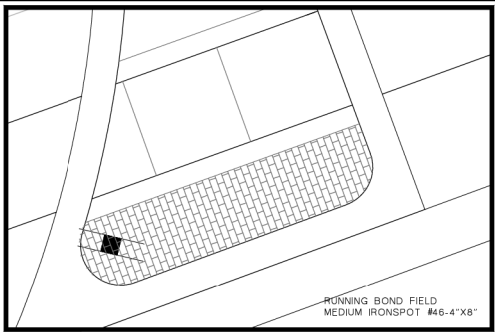
D PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



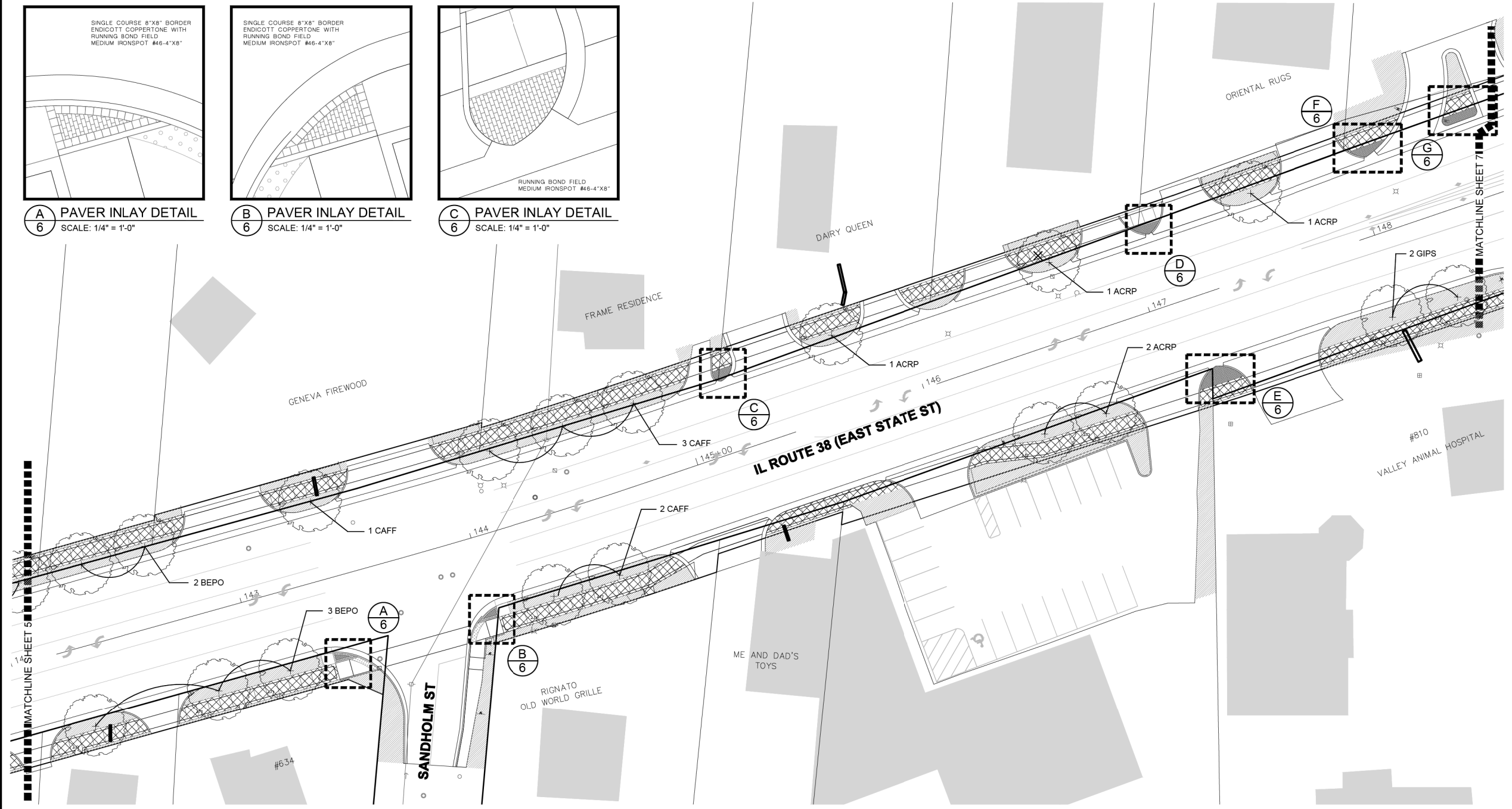
E PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



F PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



G PAVEN INLAY DETAIL
SCALE: 1/4" = 1'-0"



JOB NO.: 1409
DATE: 05.31.24
REVISIONS:
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STREETSCAPE PLAN
SCALE 1"=20'
NORTH

SHEET NUMBER
6
OF 13

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn

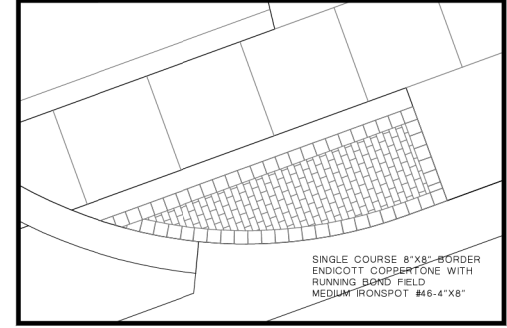
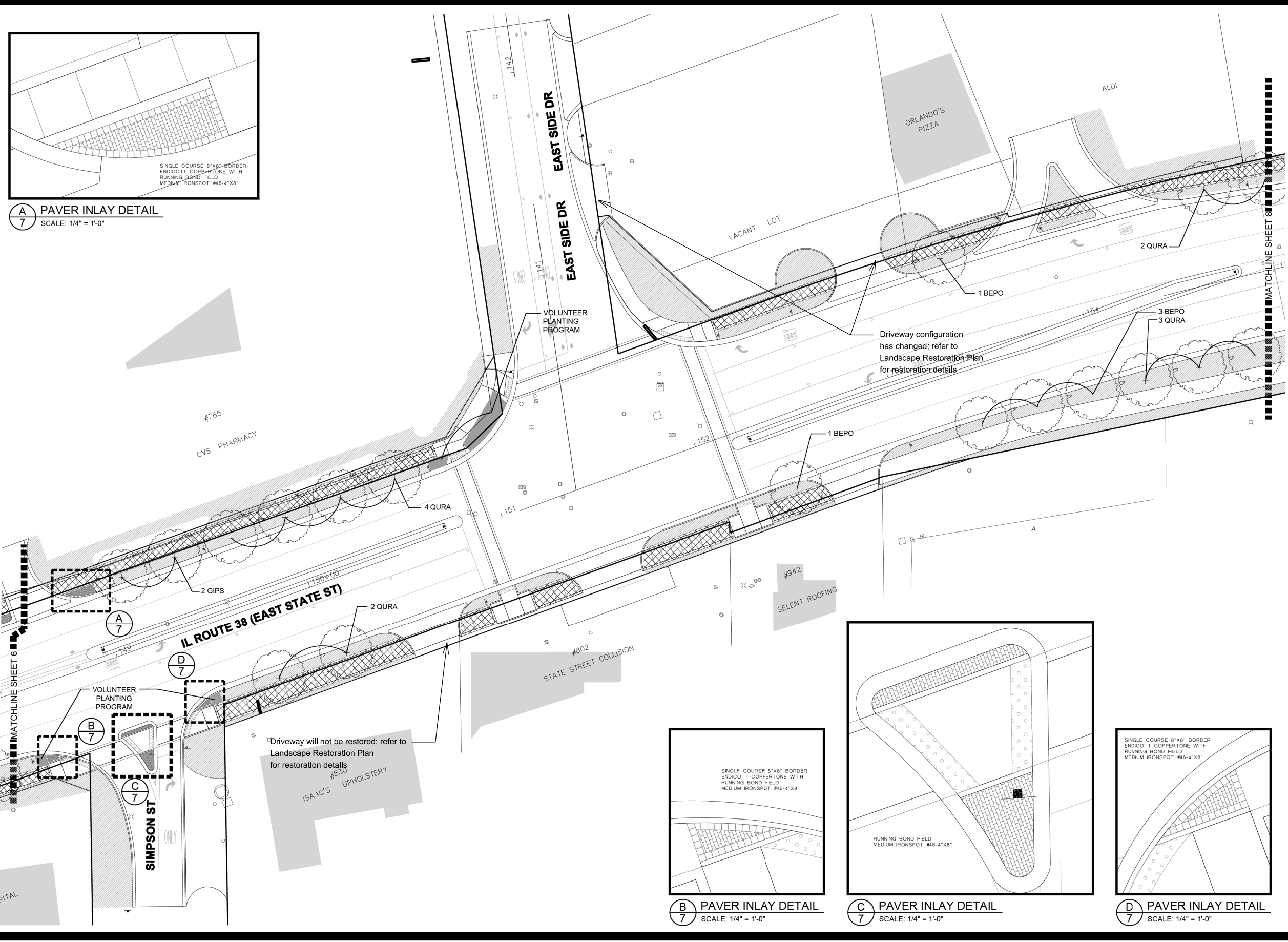


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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

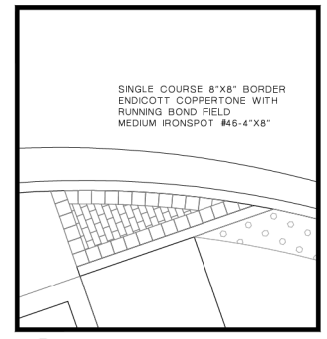
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN
SCALE: 1"=20' SHEET 6 OF 13 SHEETS STA. TO STA.

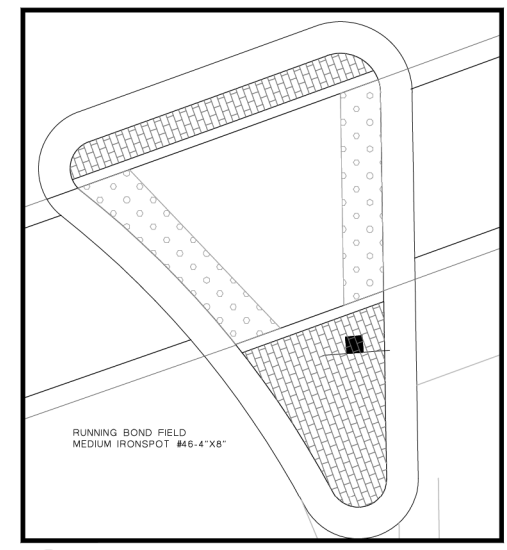
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	313
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				



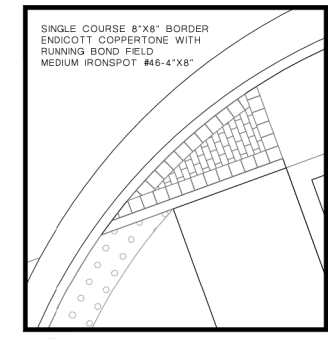
A PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



B PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



C PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"



D PAVER INLAY DETAIL
SCALE: 1/4" = 1'-0"

JOB NO.:	1409
DATE:	05.31.24
REVISIONS:	
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STREETSCAPE PLAN

SHEET NUMBER
7
OF 13

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



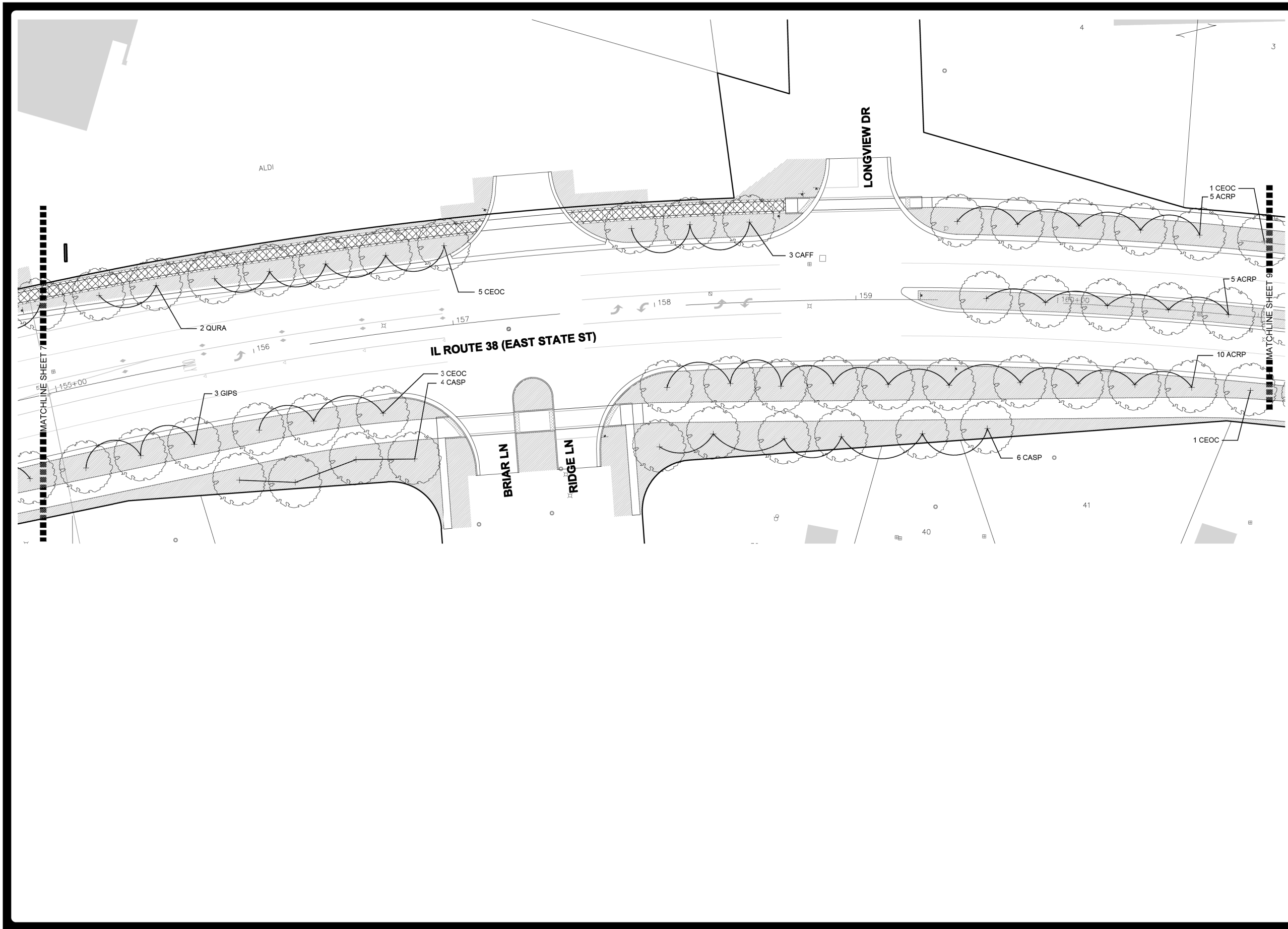
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PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

SCALE: 1"=20' SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	314
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

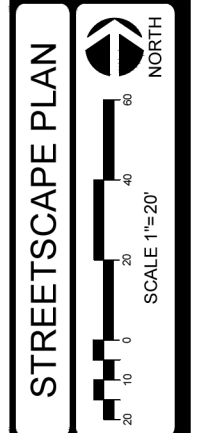


JOB NO.:	1409
DATE:	05.31.24
REVISIONS:	
DRAWN BY:	KL

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SHEET NUMBER
8
 OF 13

FILE NAME = F:\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISIONS -	
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

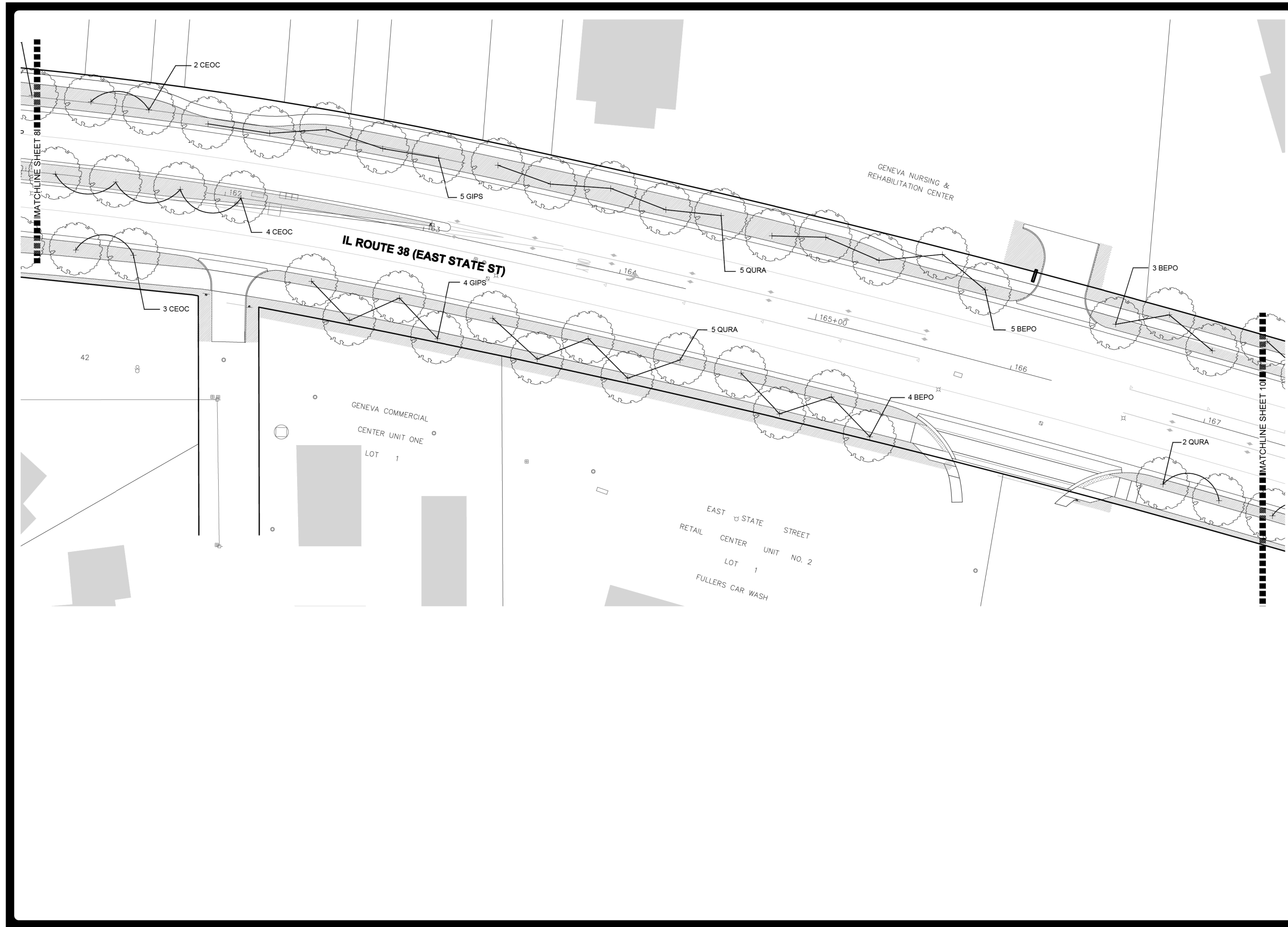
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

SCALE: 1"=20' SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	315
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

FILE NAME = F:\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn

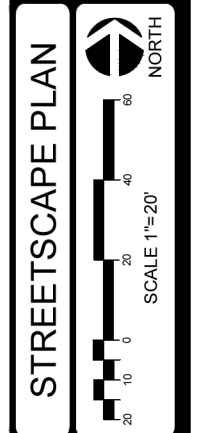


JOB NO.: 1409
 DATE: 05.31.24
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STREETScape PLAN
 SHEET NUMBER
9
 OF 13



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISOR -	
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

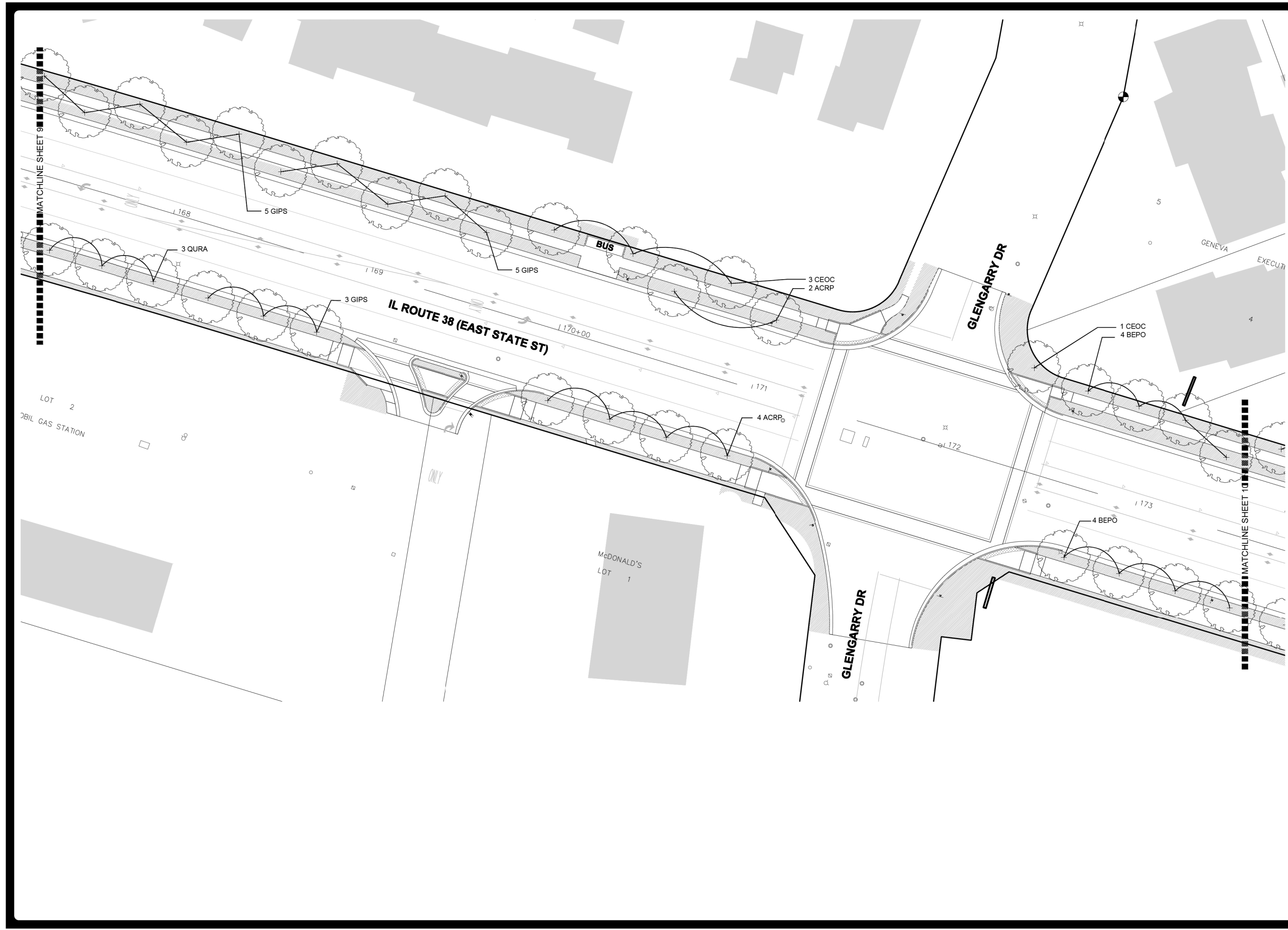
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETScape PLAN

SCALE: 1"=20' SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	316
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

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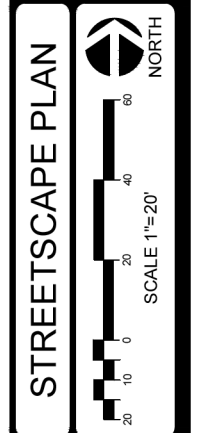


JOB NO.: 1409
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SHEET NUMBER
10
 OF 13



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

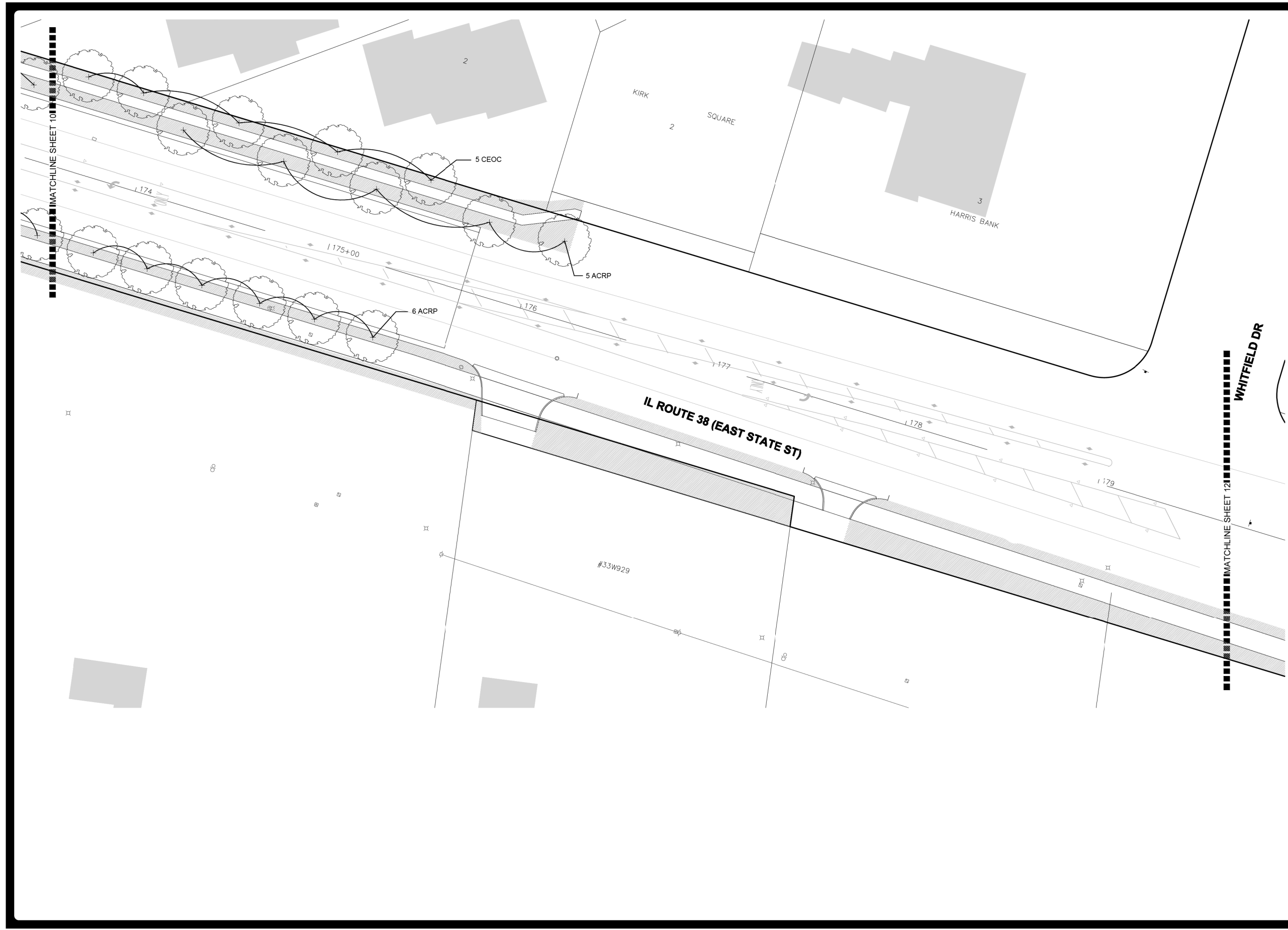
STATE OF ILLINOIS
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ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

SCALE: 1"=20' SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	317
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

FILE NAME = F:\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



JOB NO.:	1409
DATE:	05.31.24
REVISIONS:	
DRAWN BY:	KL

EAST STATE STREET
 STREETScape AND LANDSCAPE ENHANCEMENTS
 WATER STREET - KIRK ROAD
 CITY OF GENEVA
 1800 SOUTH STREET
 GENEVA, ILLINOIS 60134

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 Landscape Architecture • Planning • Community Consulting
 (630) 208-6088
 Fax (630) 208-6050
 http://www.lannert.com
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215 Fulton Street
 Geneva, Illinois 60134



STREETScape PLAN

SCALE 1"=20'

SHEET NUMBER
11
 OF 13



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETScape PLAN

SCALE: 1"=20' SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	318
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

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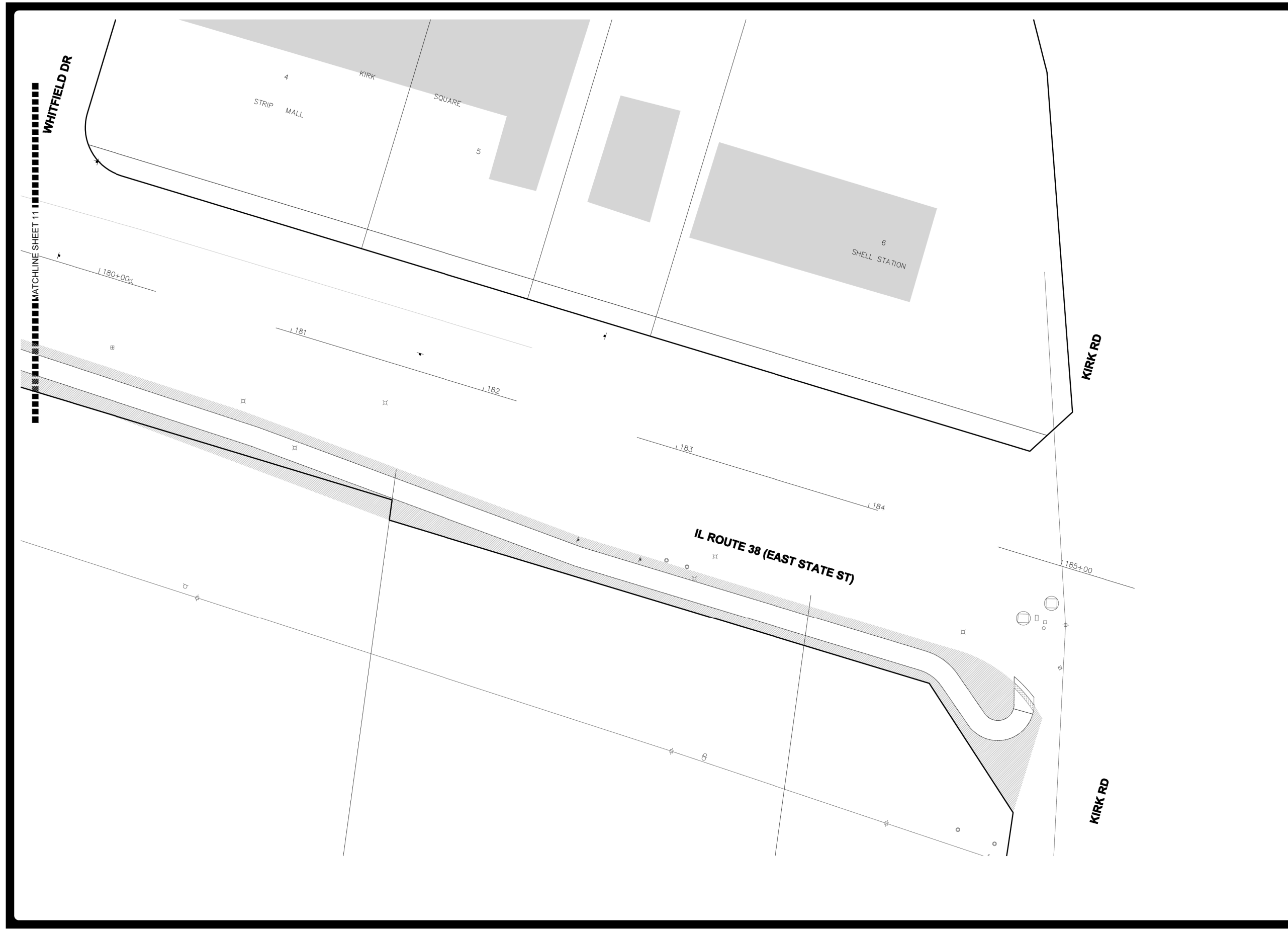
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN**

SCALE: 1"=20' SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	319
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

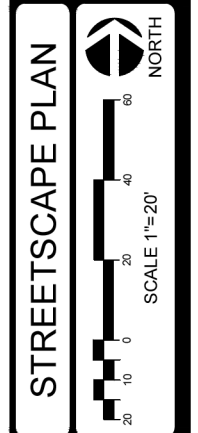


JOB NO.:	1409
DATE:	05.31.24
REVISIONS:	
DRAWN BY:	KL

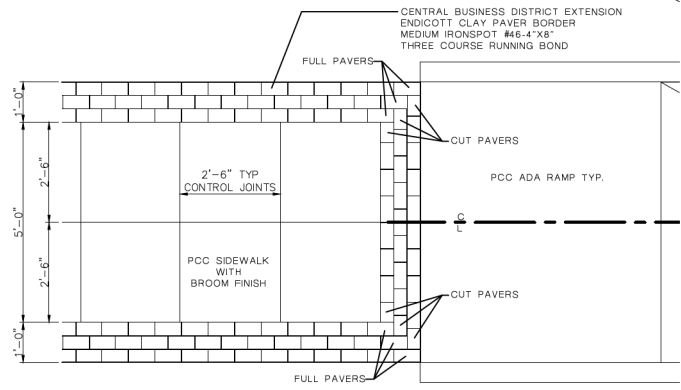
EAST STATE STREET
STREETSCAPE AND LANDSCAPE ENHANCEMENTS
WATER STREET - KIRK ROAD
CITY OF GENEVA
1800 SOUTH STREET
GENEVA, ILLINOIS 60134

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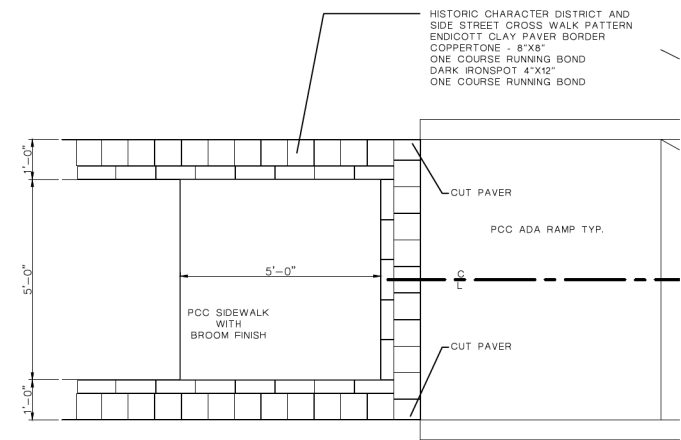


SHEET NUMBER
12
OF 13



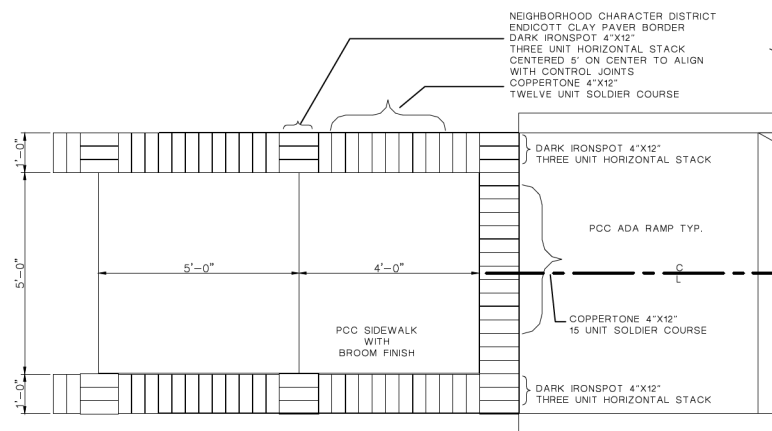
WHERE CBD PAVER BAND MEETS ADA RAMP CENTER THE COURSE ON THE CENTER OF THE PCC SIDEWALK.
WHERE THE CORNERS MEET CUT THE PAVERS ADJACENT TO THE RAMP TO FIT

A CBD SIDEWALK BAND DETAIL
13 SCALE: 1/2" = 1'-0"



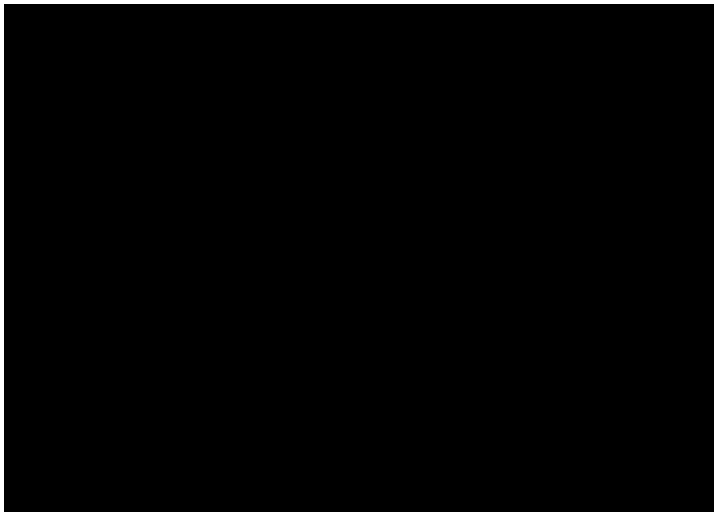
WHERE CBD PAVER BAND MEETS ADA RAMP CENTER THE COURSE ON THE CENTER OF THE PCC SIDEWALK.
WHERE THE CORNERS MEET CUT THE PAVERS ADJACENT TO THE RAMP TO FIT

B HCD SIDEWALK BAND DETAIL
13 SCALE: 1/2" = 1'-0"



WHERE CBD PAVER BAND MEETS ADA RAMP CENTER THE COURSE ON THE CENTER OF THE PCC SIDEWALK.
WHERE THE CORNERS MEET CUT THE PAVERS ADJACENT TO THE RAMP TO FIT

C NCD SIDEWALK BAND DETAIL
13 SCALE: 1/2" = 1'-0"



D DECIDUOUS TREE PLANTING
13 NOT TO SCALE

FOLLOW REQUIREMENTS OF
"PLANTING WOODY PLANTS"
SPECIAL PROVISION

JOB NO.: 1409
DATE: 05.31.24
REVISIONS:
DRAWN BY: KL

EAST STATE STREET
STREETSCAPE AND LANDSCAPE ENHANCEMENTS
WATER STREET - KIRK ROAD
CITY OF GENEVA
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215 Fulton Street
Geneva, Illinois 60134



STREETSCAPE PLAN
SCALE 1"=20'
NORTH

SHEET NUMBER
13
OF 13

FILE NAME = FA\961-000 Geneva East State St\CADD_Sheets\961-000_SHT_Landscape_Architect.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
STREETSCAPE PLAN

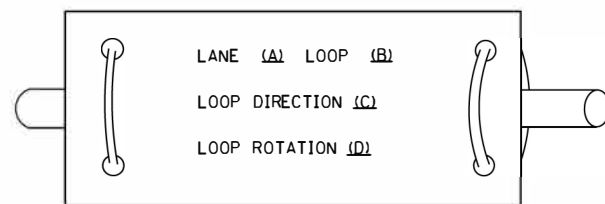
SCALE: 1"=20' SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	320
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	

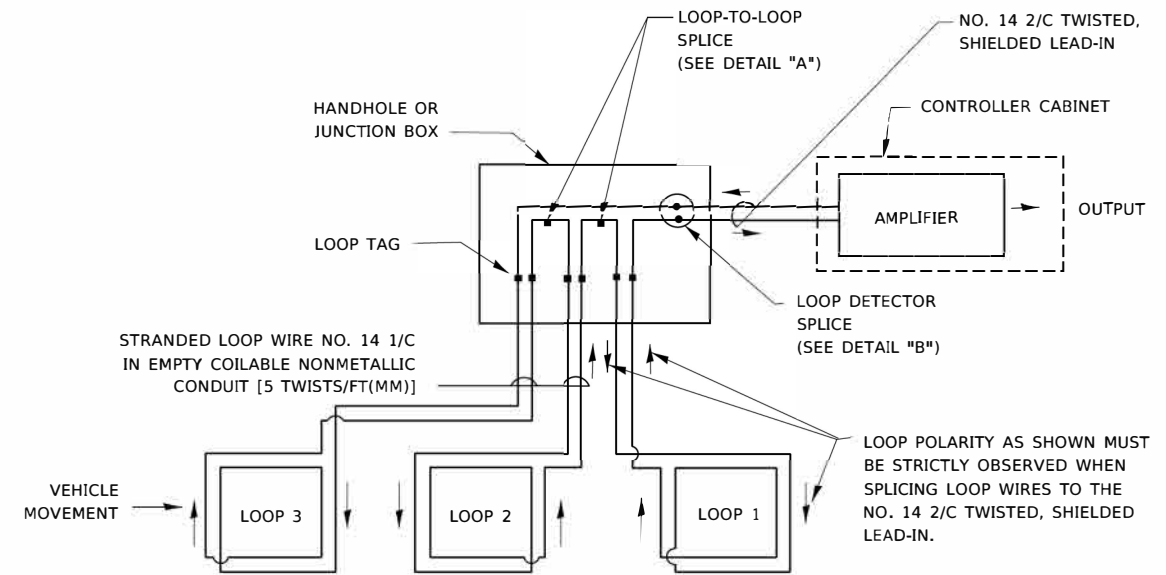
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

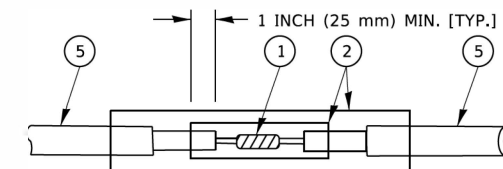


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

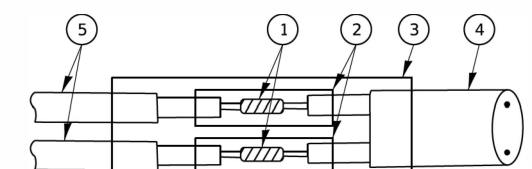


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

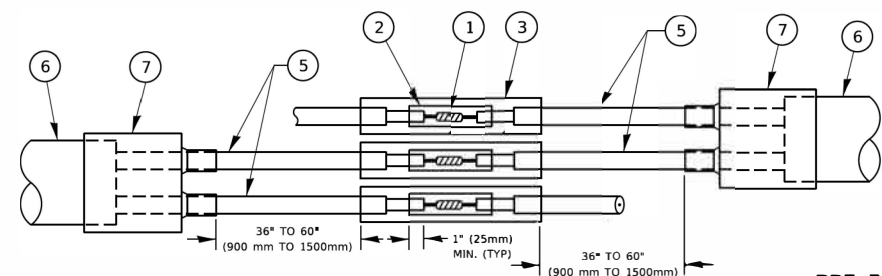


DETAIL "A"
LOOP-TO-LOOP SPLICE

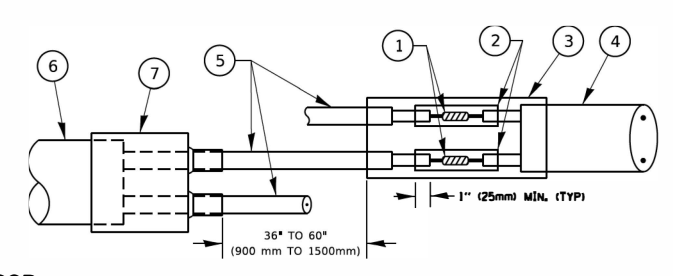


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

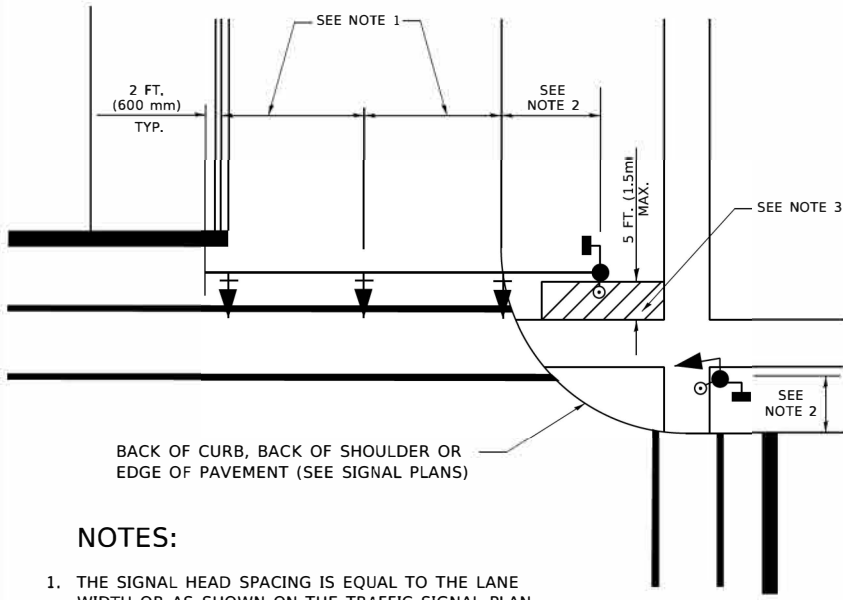
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	322
TS-05			CONTRACT NO. 61184	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.

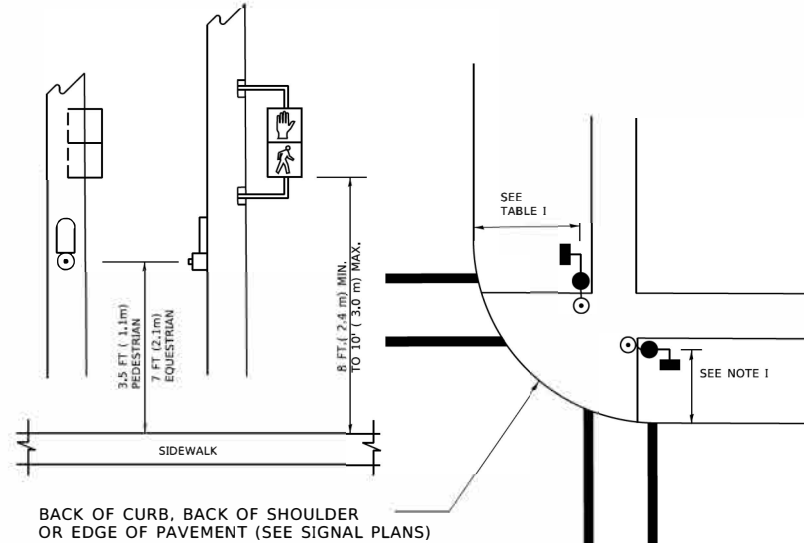


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST

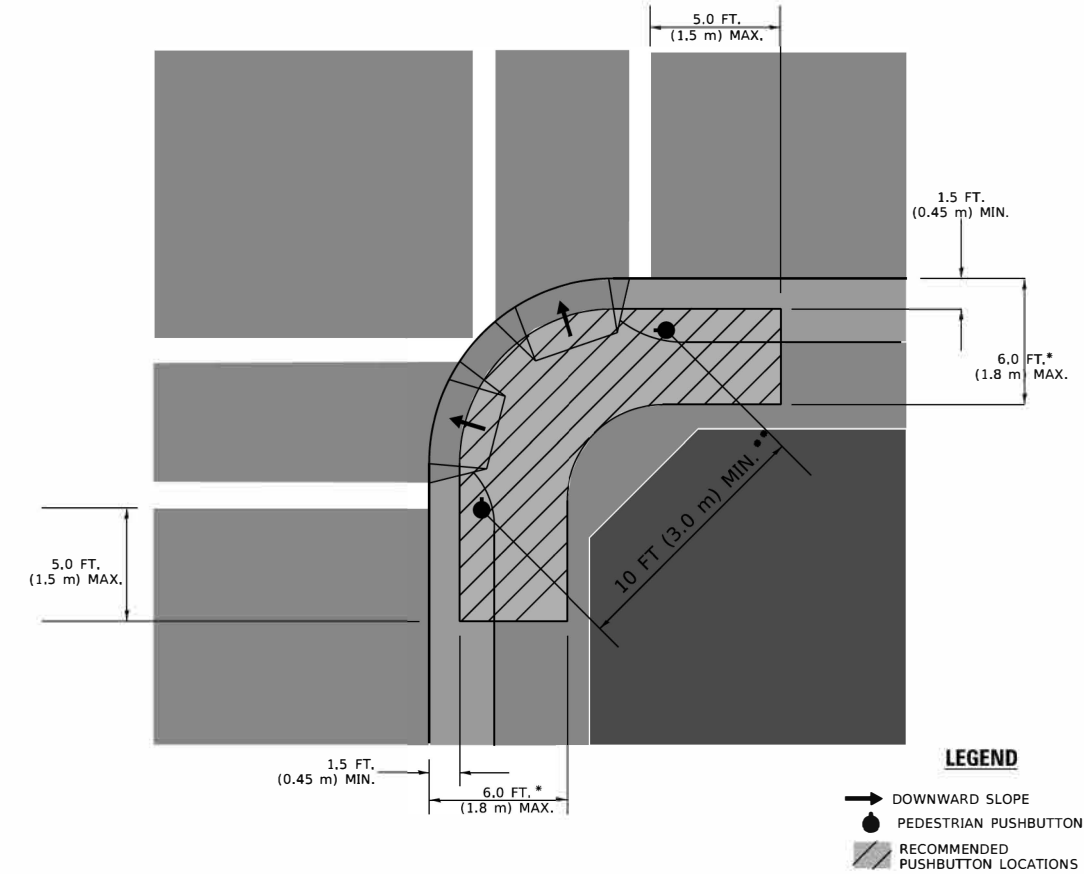


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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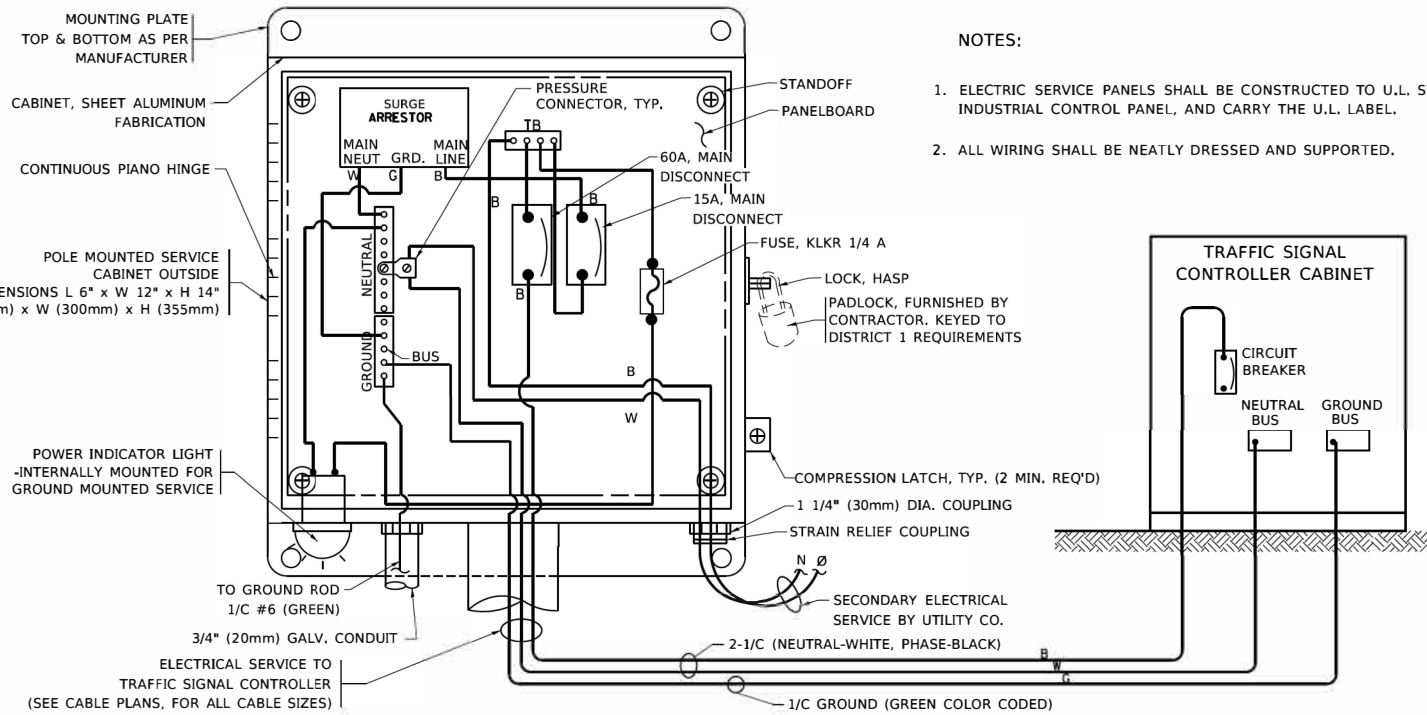
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

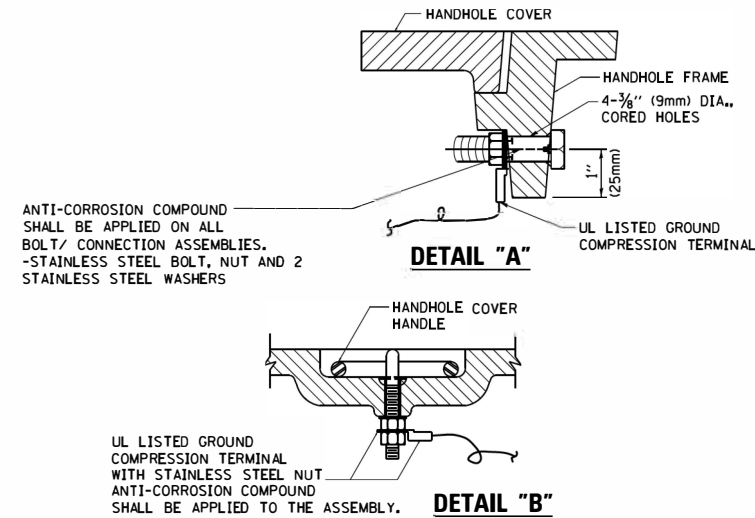
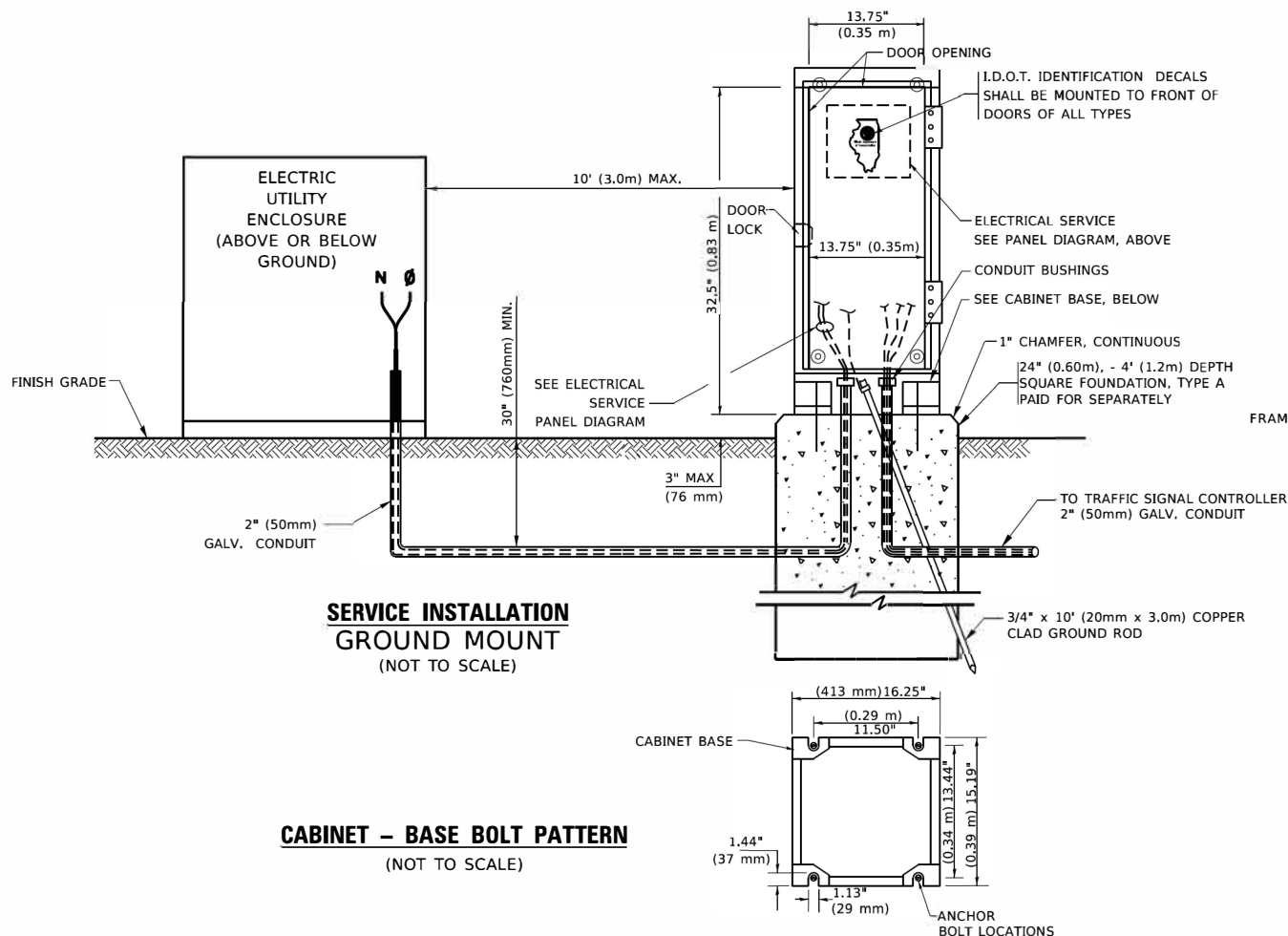
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	323
TS-05		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				

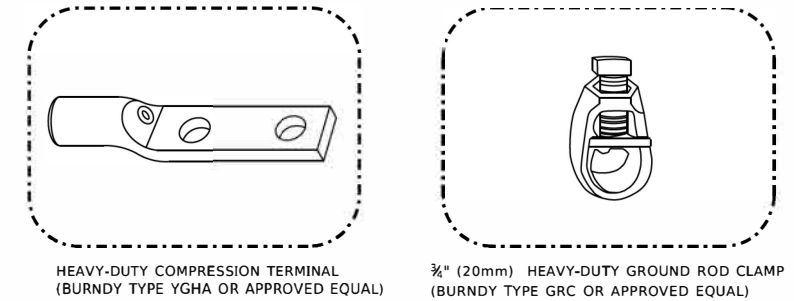
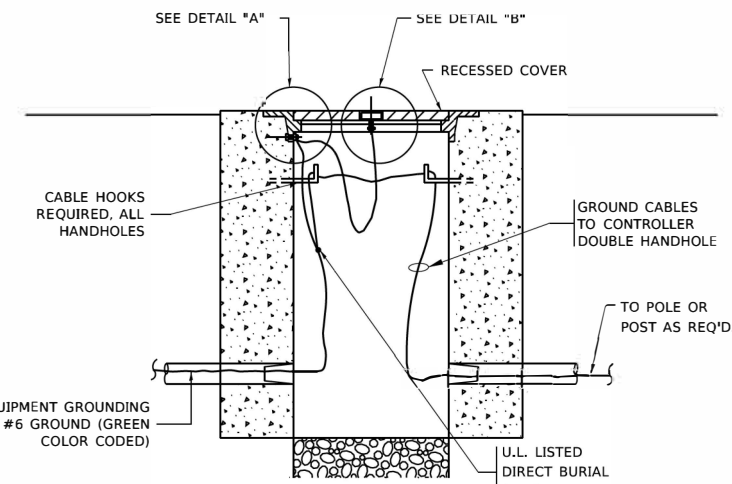


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)

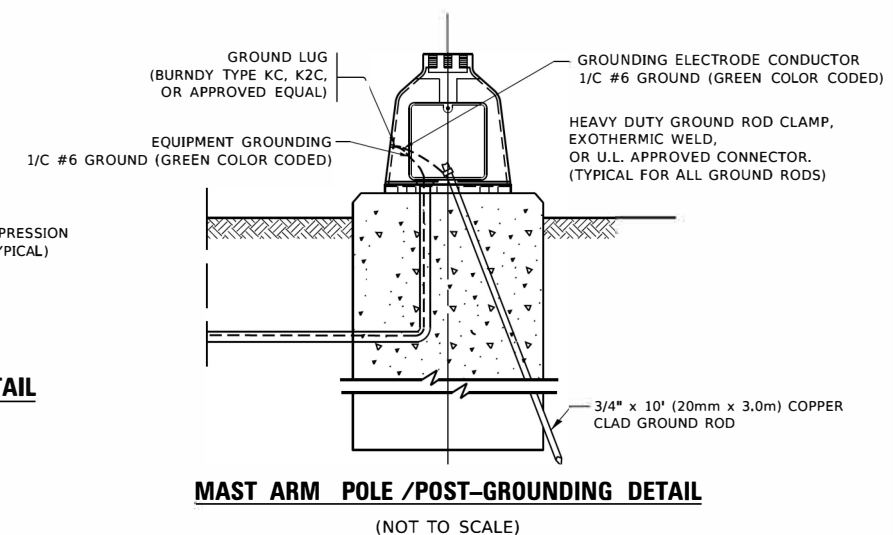
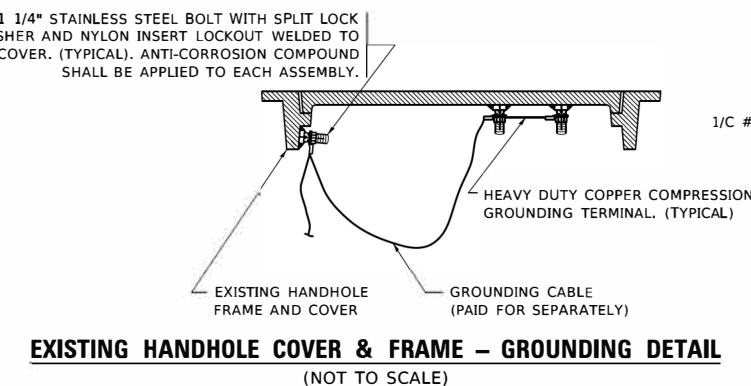


NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

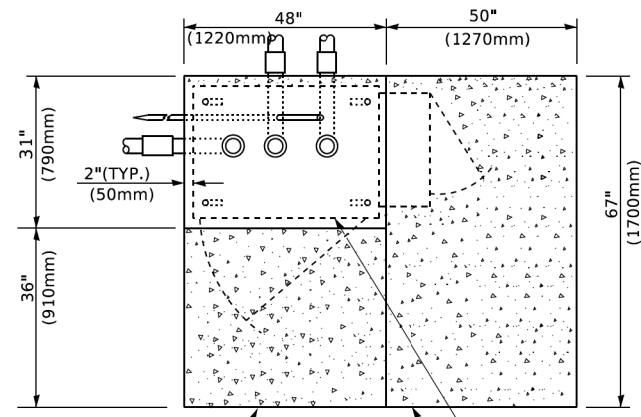
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 324
TS-05			CONTRACT NO. 61J84	
ILLINOIS FED. AID PROJECT				

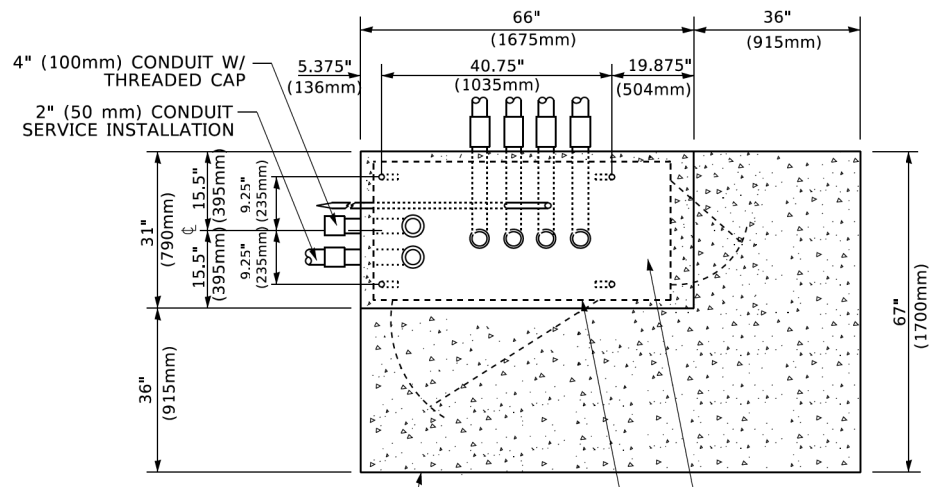
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PROJECT: DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
DATE: 3/4/2019

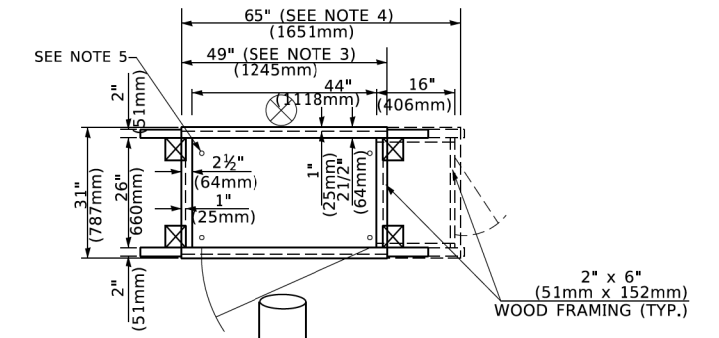
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	DATE -	REVISED -



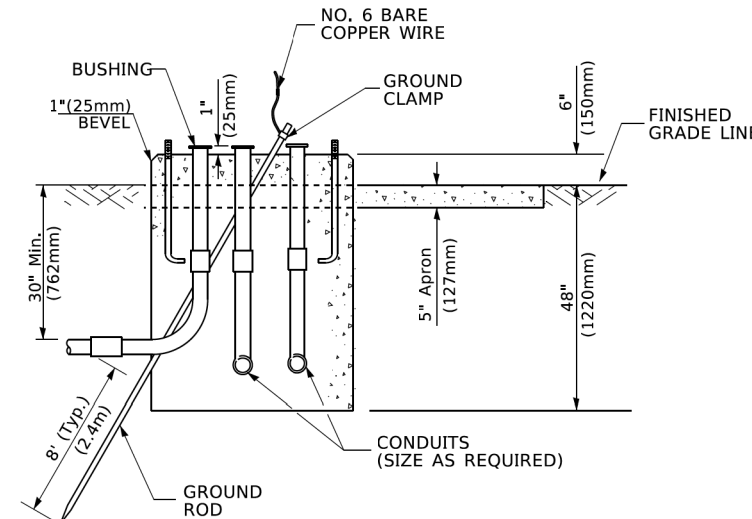
TOP VIEW



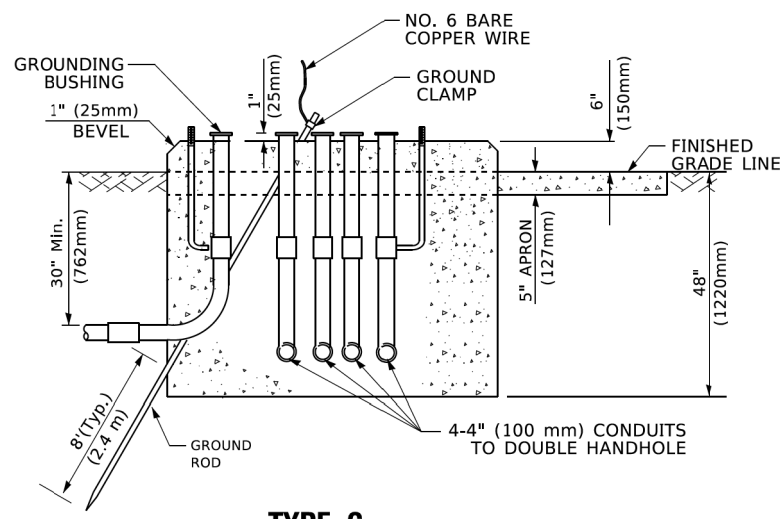
TOP VIEW



TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V) CONTROLLER CABINETS

- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

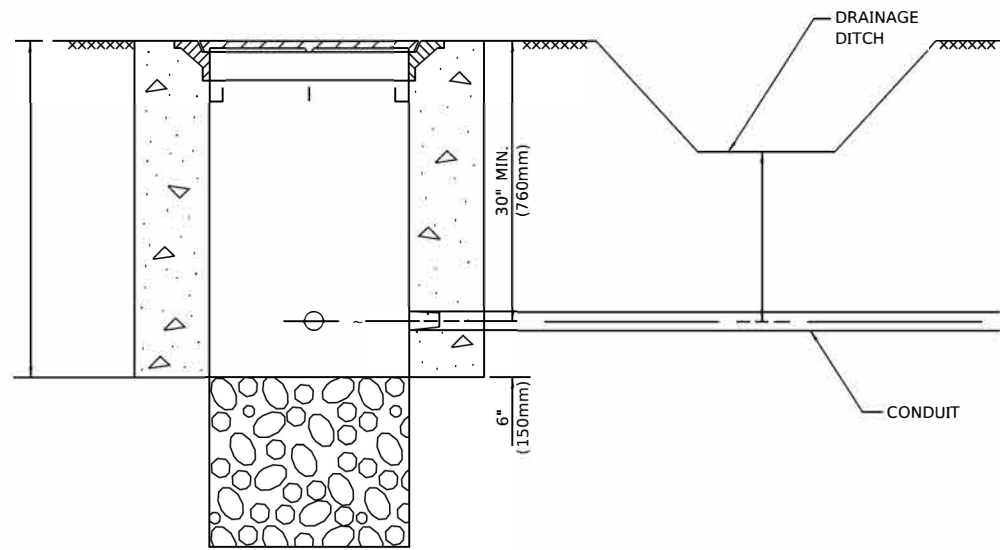
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		
SCALE: NONE	SHEET 5 OF 7 SHEETS	STA. TO STA.

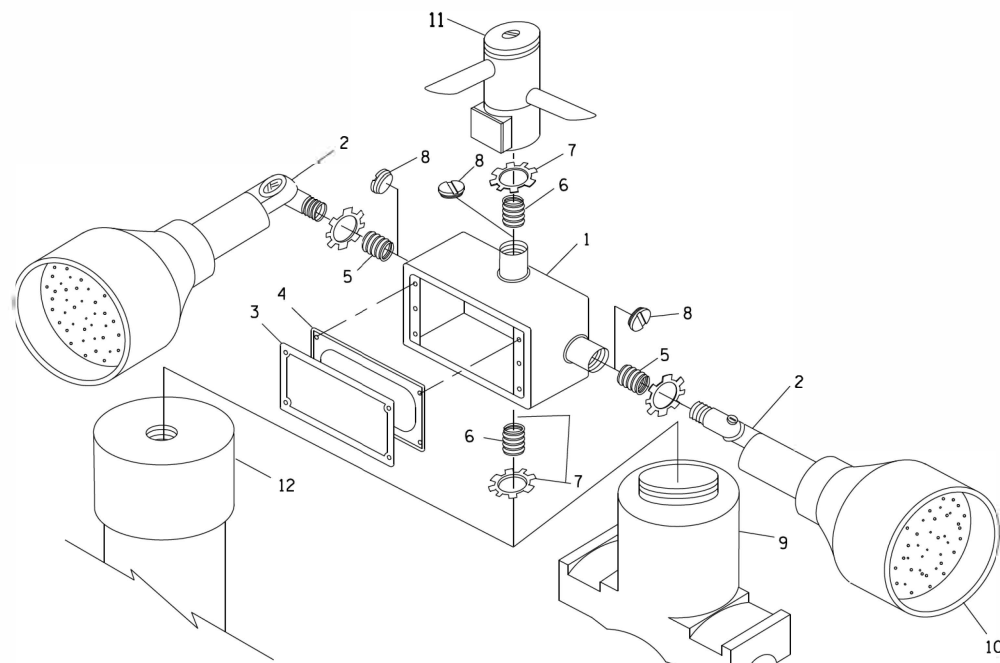
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TS-05		CONTRACT NO. XXXXX		
ILLINOIS FED. AID PROJECT				



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

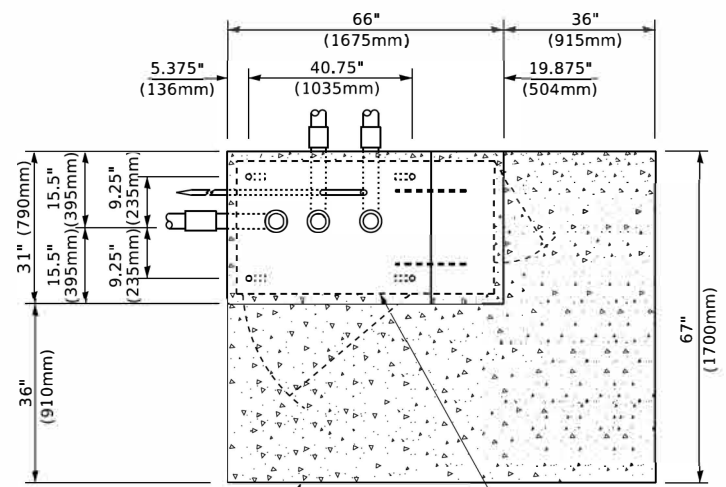
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



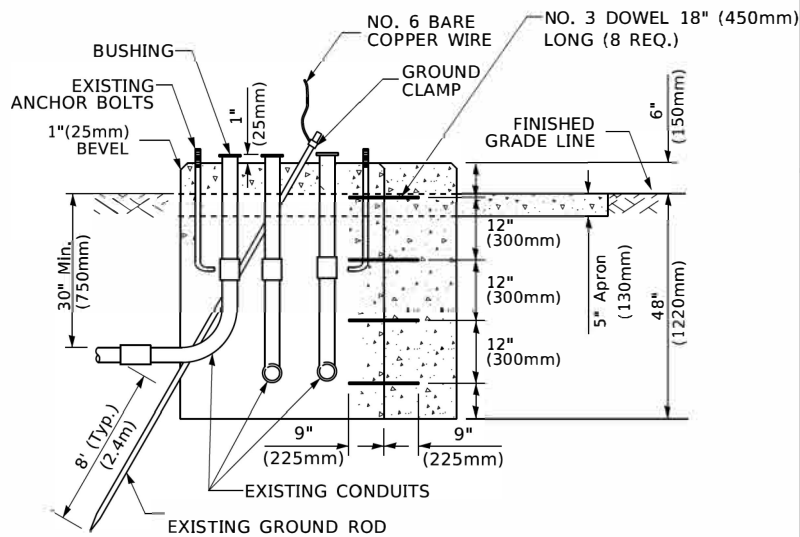
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW (NOT TO SCALE)

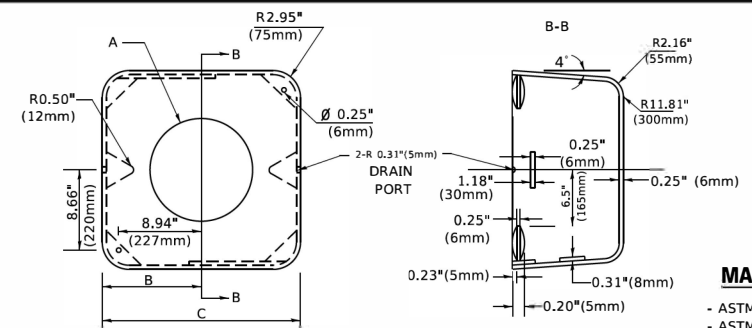


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

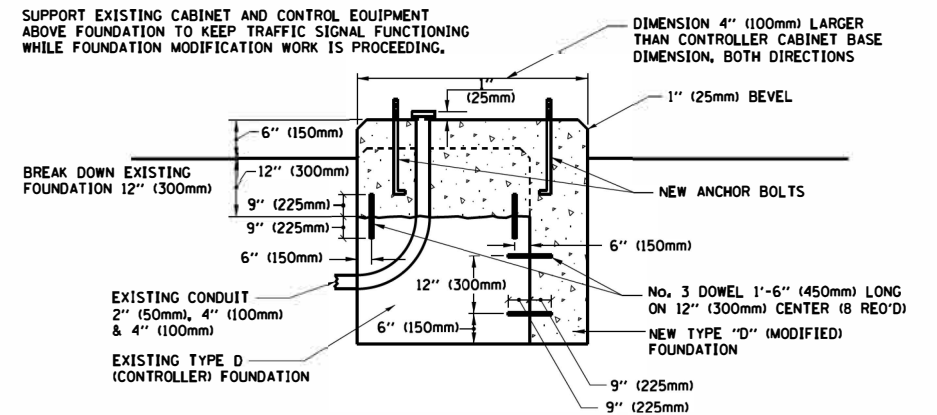
SHROUD

NOTES:

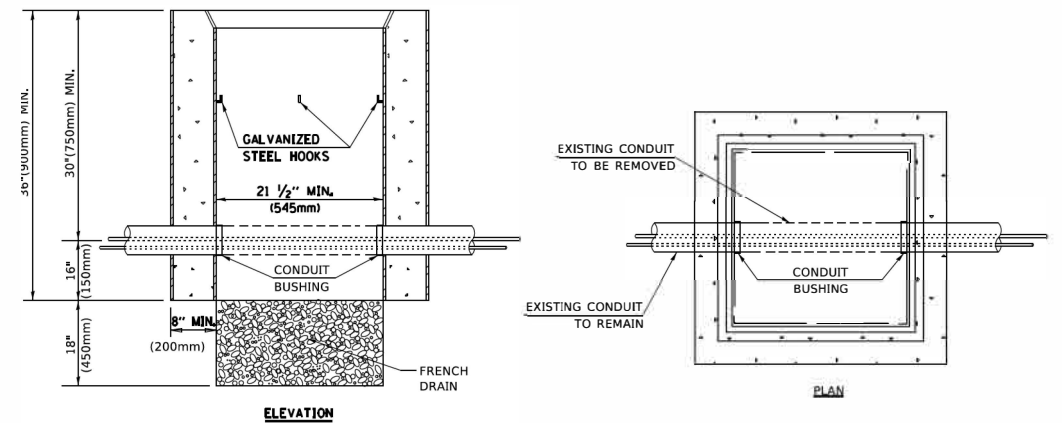
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 326
TS-05		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH ALLUMINUM MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 7 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH TRAFFIC SIGNAL BACKPLATES
- 8 EACH PEDESTRIAN SIGNAL HEAD

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY

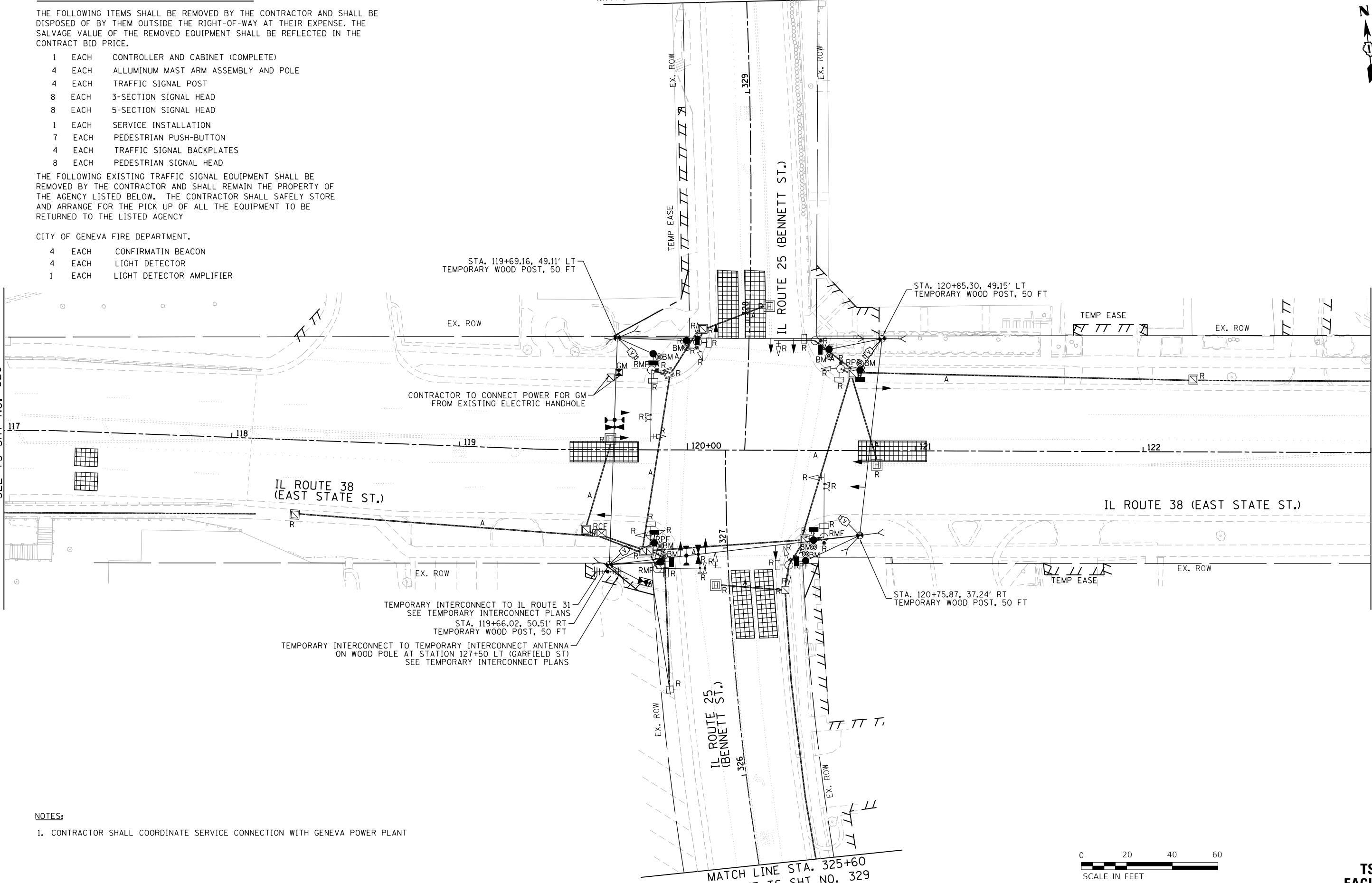
- CITY OF GENEVA FIRE DEPARTMENT.
- 4 EACH CONFIRMATION BEACON
 - 4 EACH LIGHT DETECTOR
 - 1 EACH LIGHT DETECTOR AMPLIFIER

MATCH LINE STA. 329+40 SEE TS SHT NO. 329



MATCH LINE STA. 117+00
SEE TS SHT NO. 329

MATCH LINE STA. 123+00
SEE TS SHT NO. 329



NOTES:

- 1. CONTRACTOR SHALL COORDINATE SERVICE CONNECTION WITH GENEVA POWER PLANT



FILE NAME = FA\961-000 Geneva East State St.CADD_Sheets\961-000_SHT_TS_TEMP_BENNETT_Exist_01.dgn



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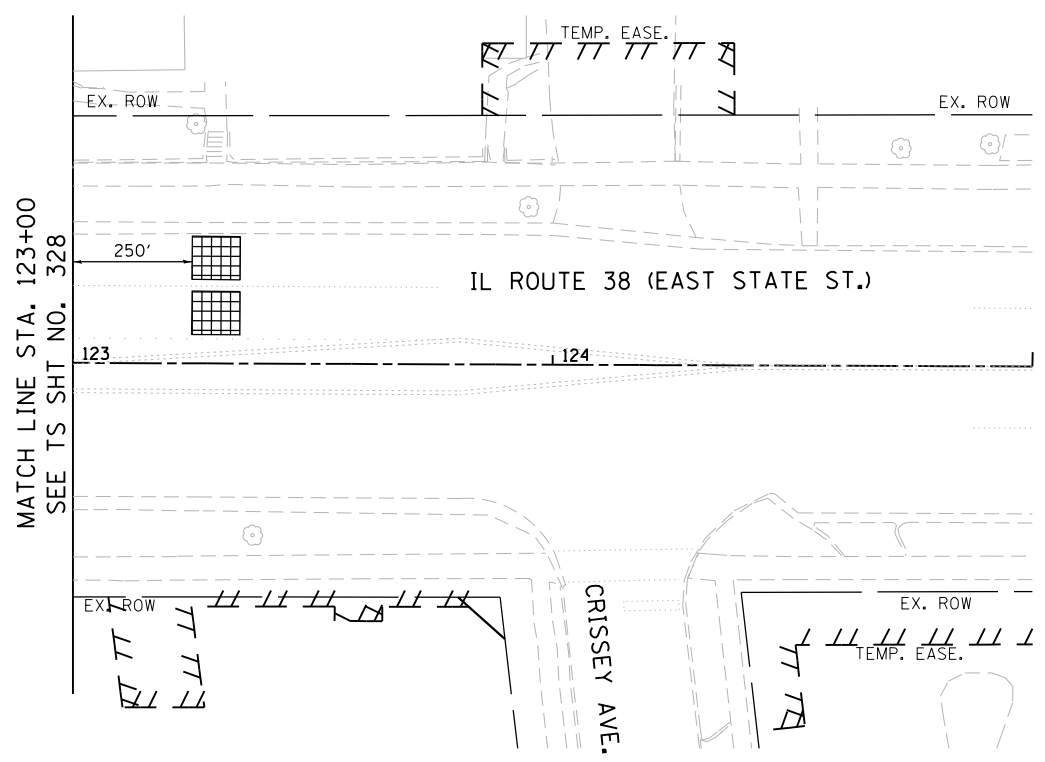
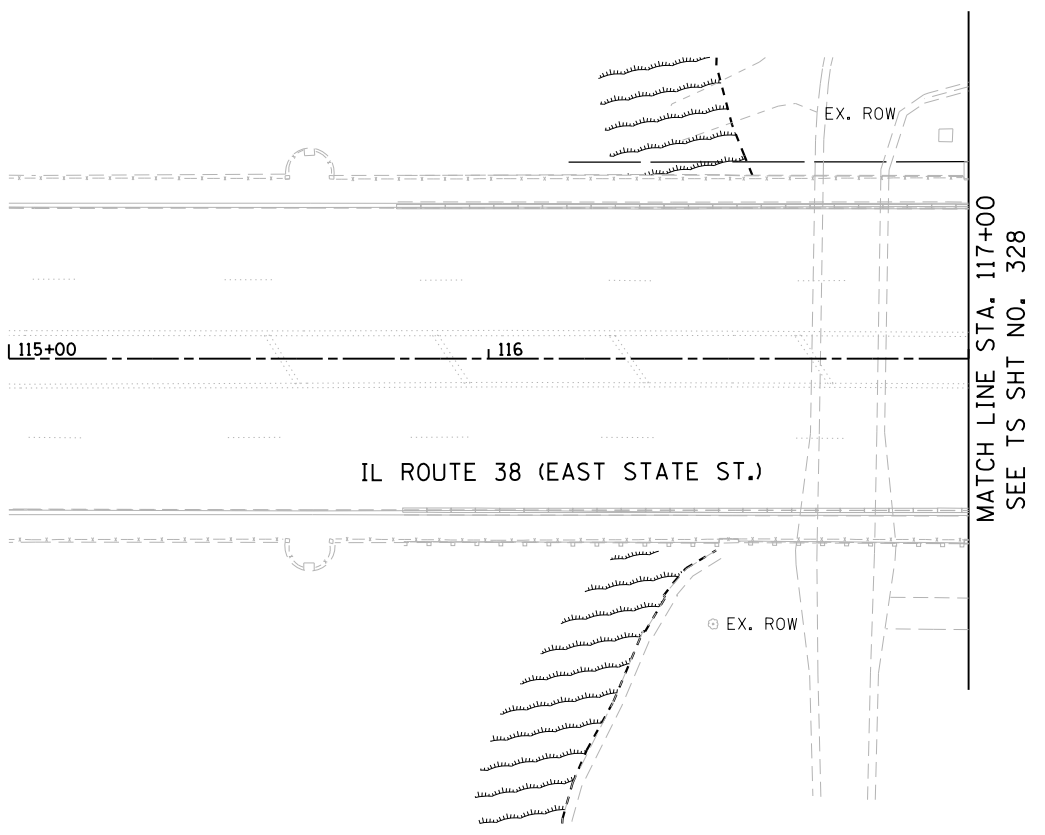
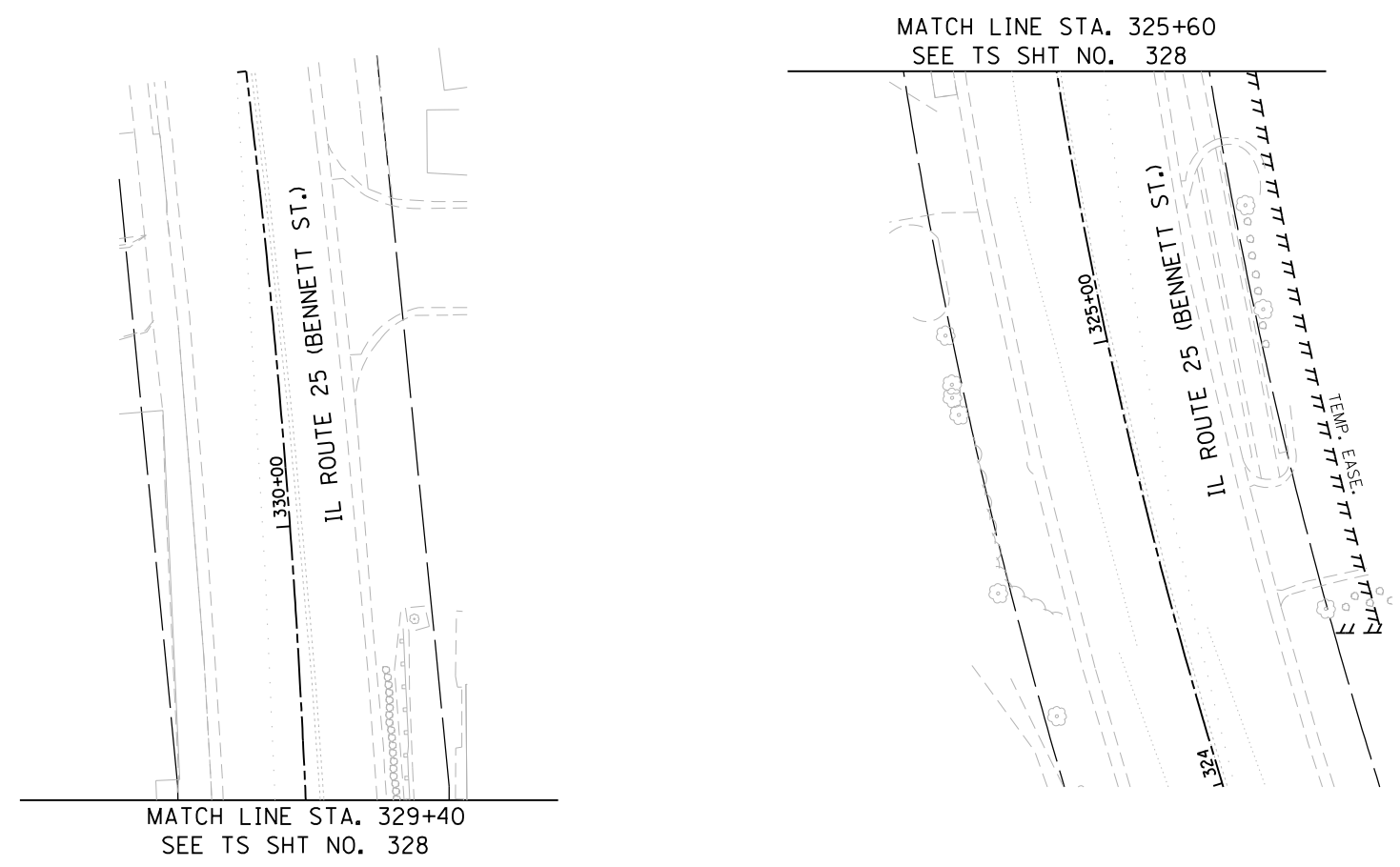
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	328
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755
EAGLE 2G**

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. TO STA.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

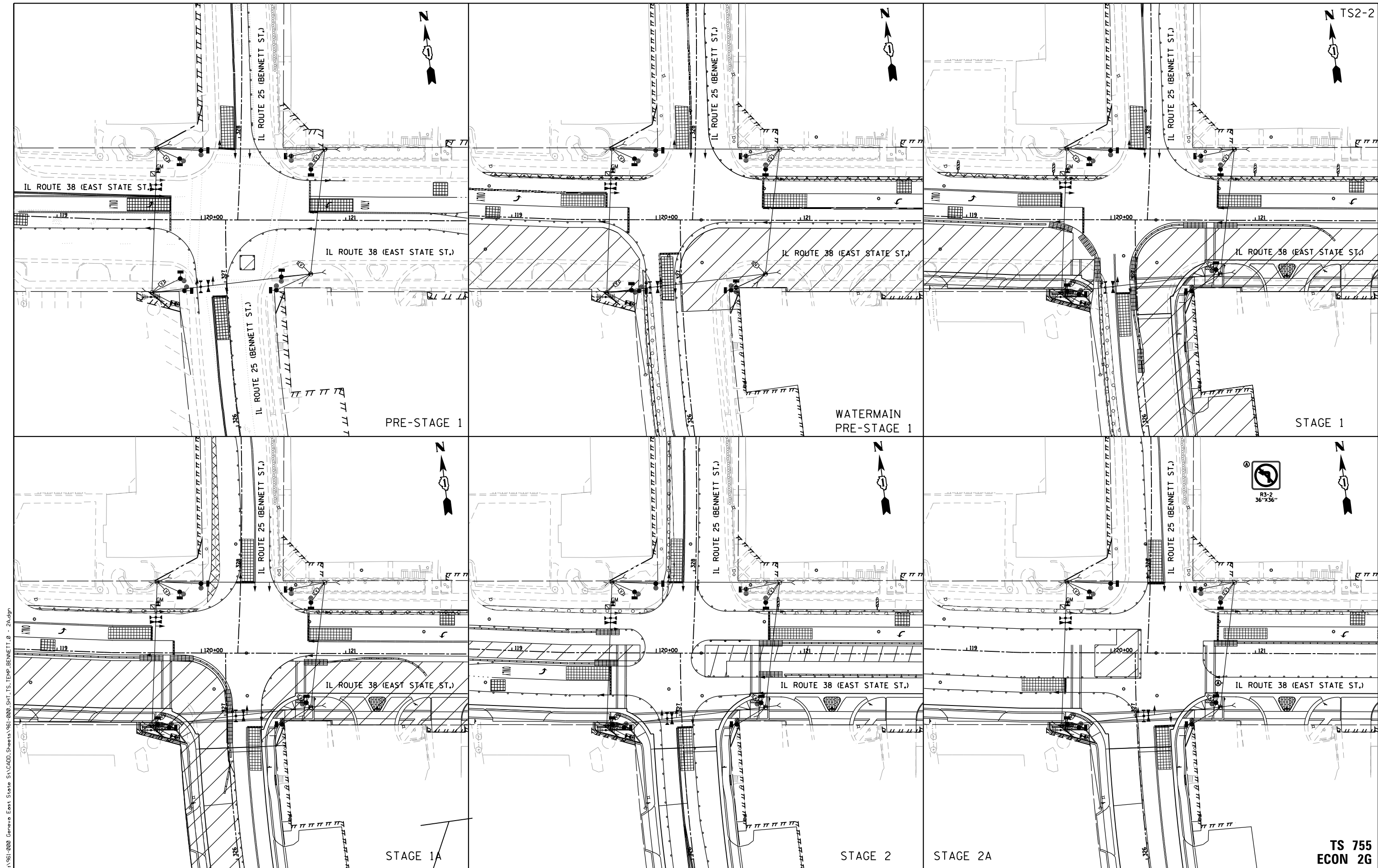
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	329
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

**TS 755
EAGLE 2G**

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. TO STA.

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TS2-2



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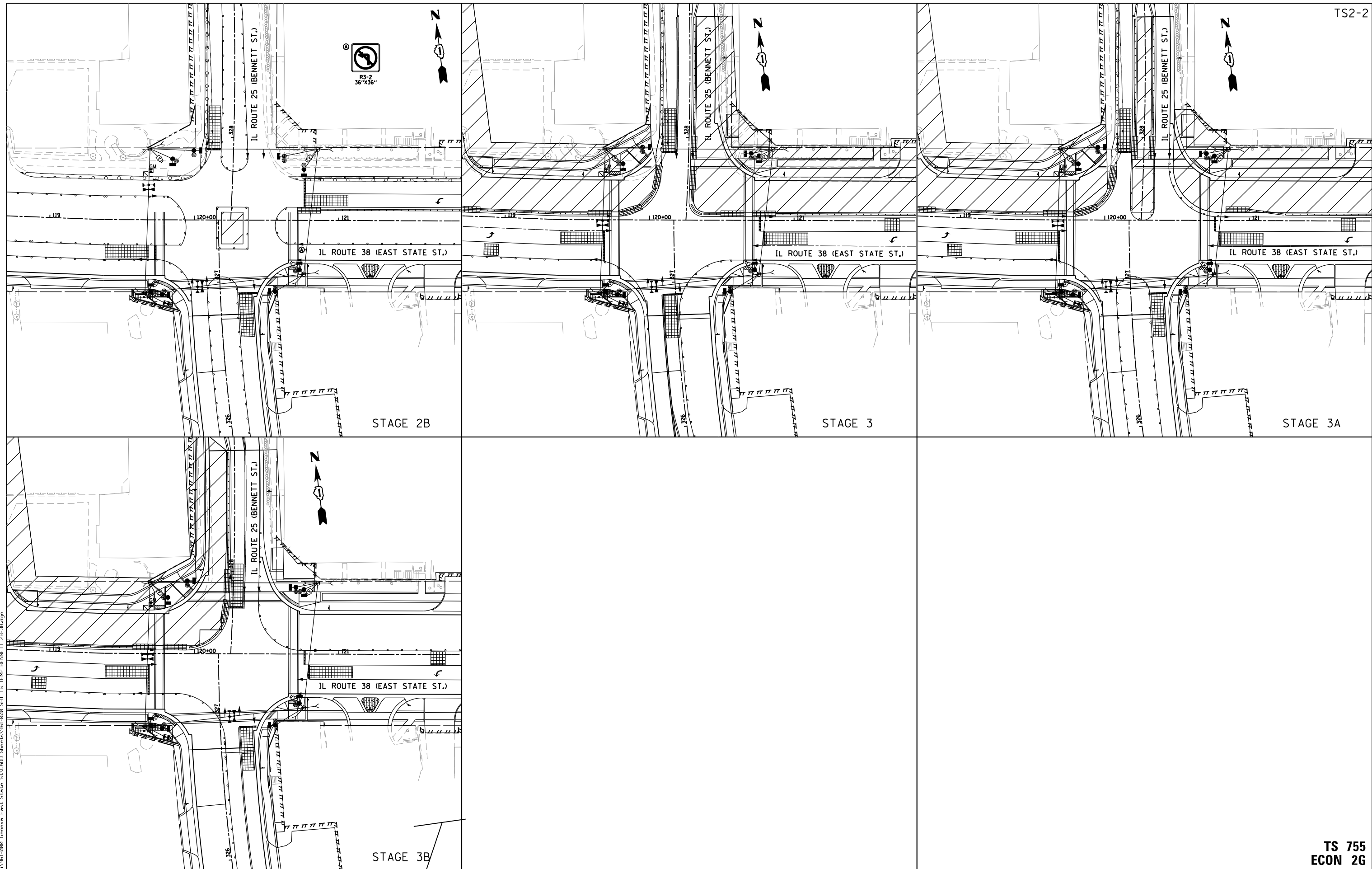
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - PRE-STAGE TO STAGE 2A**

SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	330
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755
ECON 2G**



FILE NAME = FA\961-000 Genevo East State St.CADD.Sheets\961-0000.SHT_TS_TEMP_BENNETT_2B-3B.dgn



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

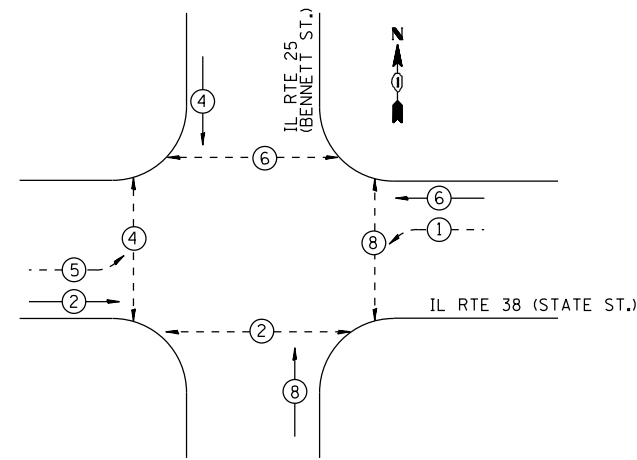
**ILLINOIS ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 2B TO FINAL**

SCALE: NTS SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	331
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755
ECON 2G**

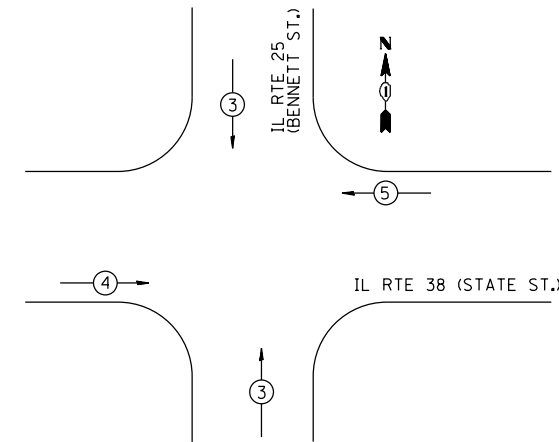
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- OL — OVERLAP

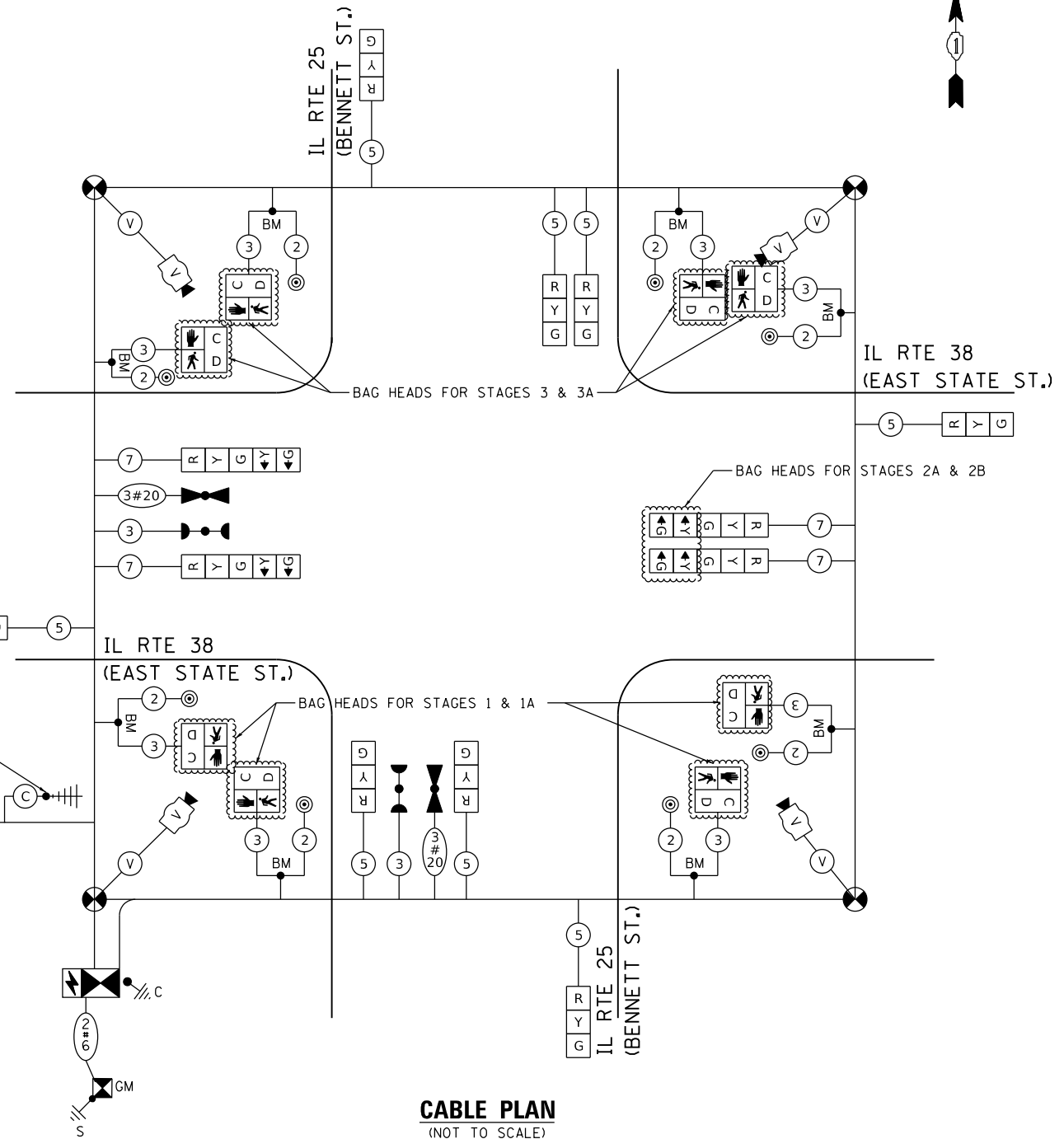
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			485
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1090

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 01 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
 PHONE: (630) 232-1503
 COMPANY: CITY OF GENEVA
 ACCOUNT NUMBER: ---
 METER NUMBER: ---



USER NAME = tnestor
 PLOT SCALE = 100.0000' / 1" / in.
 PLOT DATE = 1/13/2025

DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 11/7/2024

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)
 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND
 TEMPORARY EMERGENCY PREEMPTION SEQUENCE - ALL STAGES

SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	332
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

TS 755
 ECON 2G

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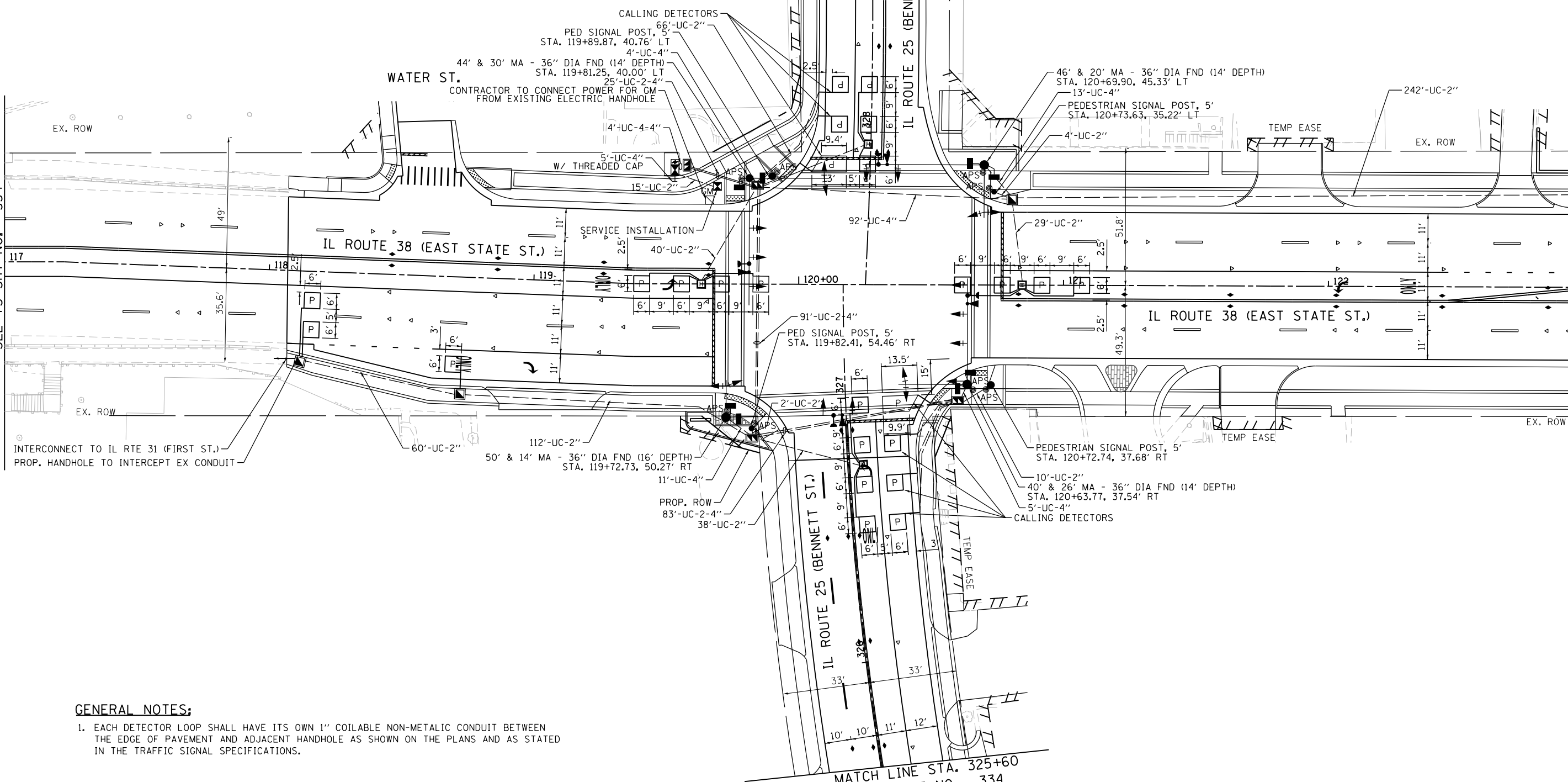
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MATCH LINE STA. 117+00
SEE TS SHT NO. 334

MATCH LINE STA. 123+00
SEE TS SHT NO. 334

FILE NAME = FA\961-000 Genevo East State St.CADD.Sheets\961-000_SHT_TS_PROP BENNETT.01.dgn



GENERAL NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

MATCH LINE STA. 325+60
SEE TS SHT NO. 334

**TS 755
EAGLE 2G**

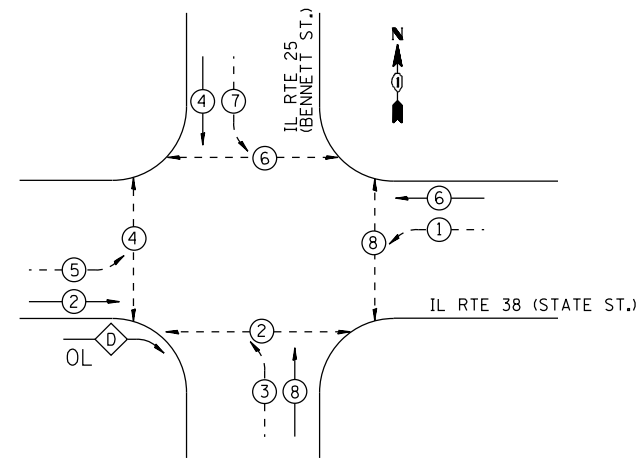
	USER NAME = tnestor	DESIGNED - GJE	REVISED -
		DRAWN - GJE	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)	
TRAFFIC SIGNAL INSTALLATION PLAN	
SCALE: 1"=20'	SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	333
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



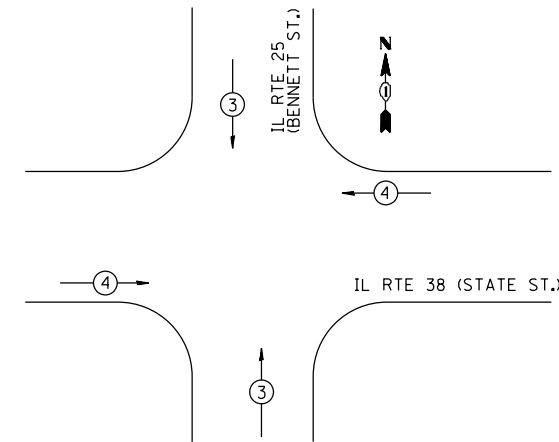
- LEGEND:**
- ⊙ — PROTECTED PHASE
 - ⊙ — PROTECTED/PERMITTED PHASE
 - ⊙ — PEDESTRIAN PHASE
 - ⊙ — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE

D = 2 + 3

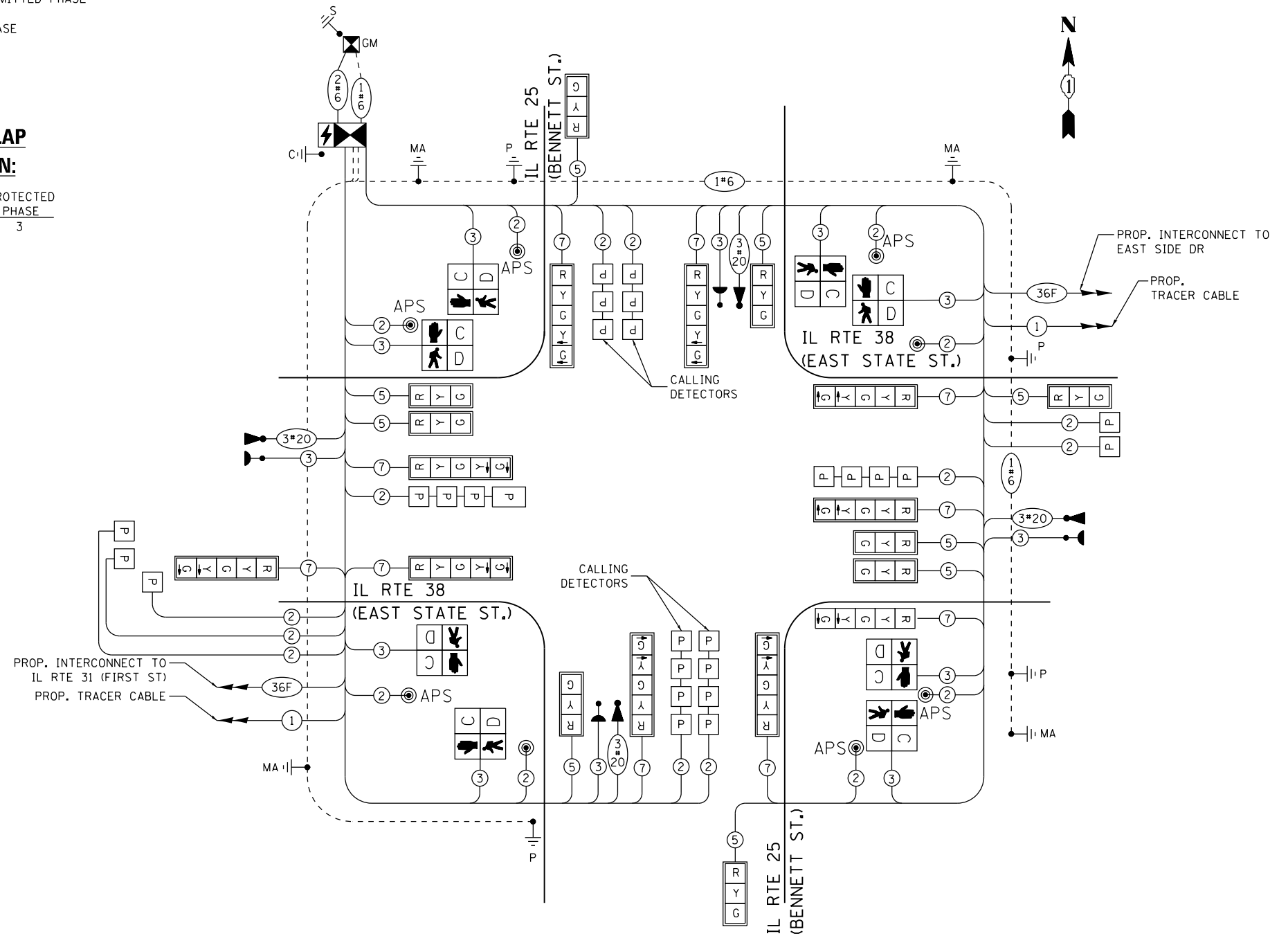
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	1	35	35
	1	15	15
TOTAL UPS SIZING			574
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,179

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 01 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
 PHONE: (630) 232-1503
 COMPANY: CITY OF GENEVA
 ACCOUNT NUMBER: ---
 METER NUMBER: ---



NOTES: ALL RED INDICATIONS SHALL HAVE A LENS COVER

CABLE PLAN
(NOT TO SCALE)

FILE NAME = F:\961-000 Geneva East State St.CADD_Sheets\961-000_SHT_TS_CABLE_BENNETT.dgn



USER NAME = tnestor
 PLOT SCALE = 100.0000' / 1in.
 PLOT DATE = 1/13/2025

DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 11/7/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)
 CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
 EMERGENCY PREEMPTION SEQUENCE**

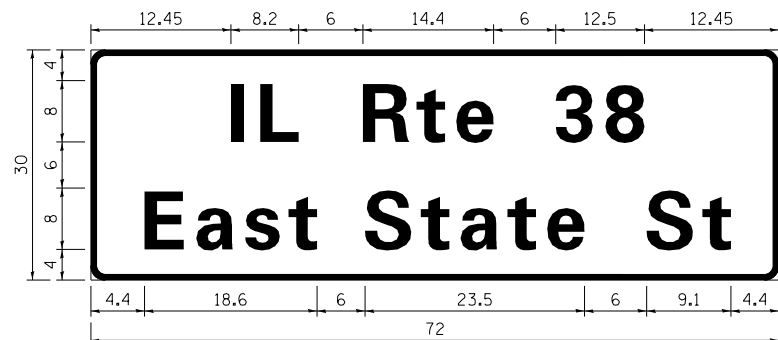
SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	335
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755
 EAGLE 2G**

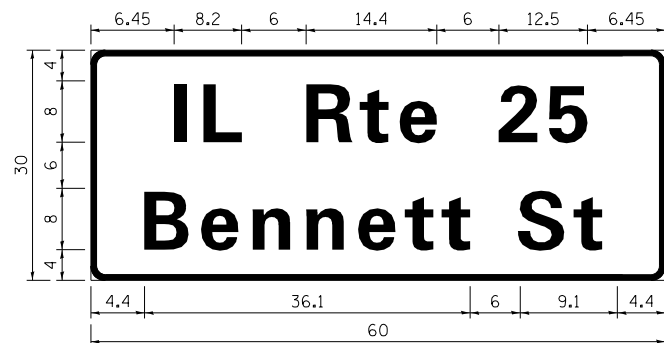
SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

ITEM	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 2	SQ FT	55
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	579
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	618
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	4
PAINT NEW TRAFFIC SIGNAL POST	EACH	9
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	4
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1138
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2285
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1966
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1974
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2277
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	27
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	459
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 14 FT AND 50 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 20 FT AND 46 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT AND 40 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT AND 30 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	9
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	11
LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
* TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	13
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	917
* SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
LED SIGNAL FACE, LENS COVER	EACH	19
PREFORMED DETECTOR LOOPS	FOOT	871
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COSTS TO THE CITY OF GENEVA

FILE NAME = FA\961-000 Geneva East State St.CADD.Sheets\961-000_SHT_15_BENNETT_SIGN_S00.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT IL ROUTE 25 (BENNETT ST.)
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	336
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	

TS 755
EAGLE 2G

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH ALLUMINUM MAST ARM ASSEMBLY AND POLE
- 1 EACH STEEL MAST ARM ASSEMBLY AND POST
- 5 EACH TRAFFIC SIGNAL POST
- 7 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 4-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH TRAFFIC SIGNAL BACKPLATES
- 6 EACH PEDESTRIAN SIGNAL HEAD

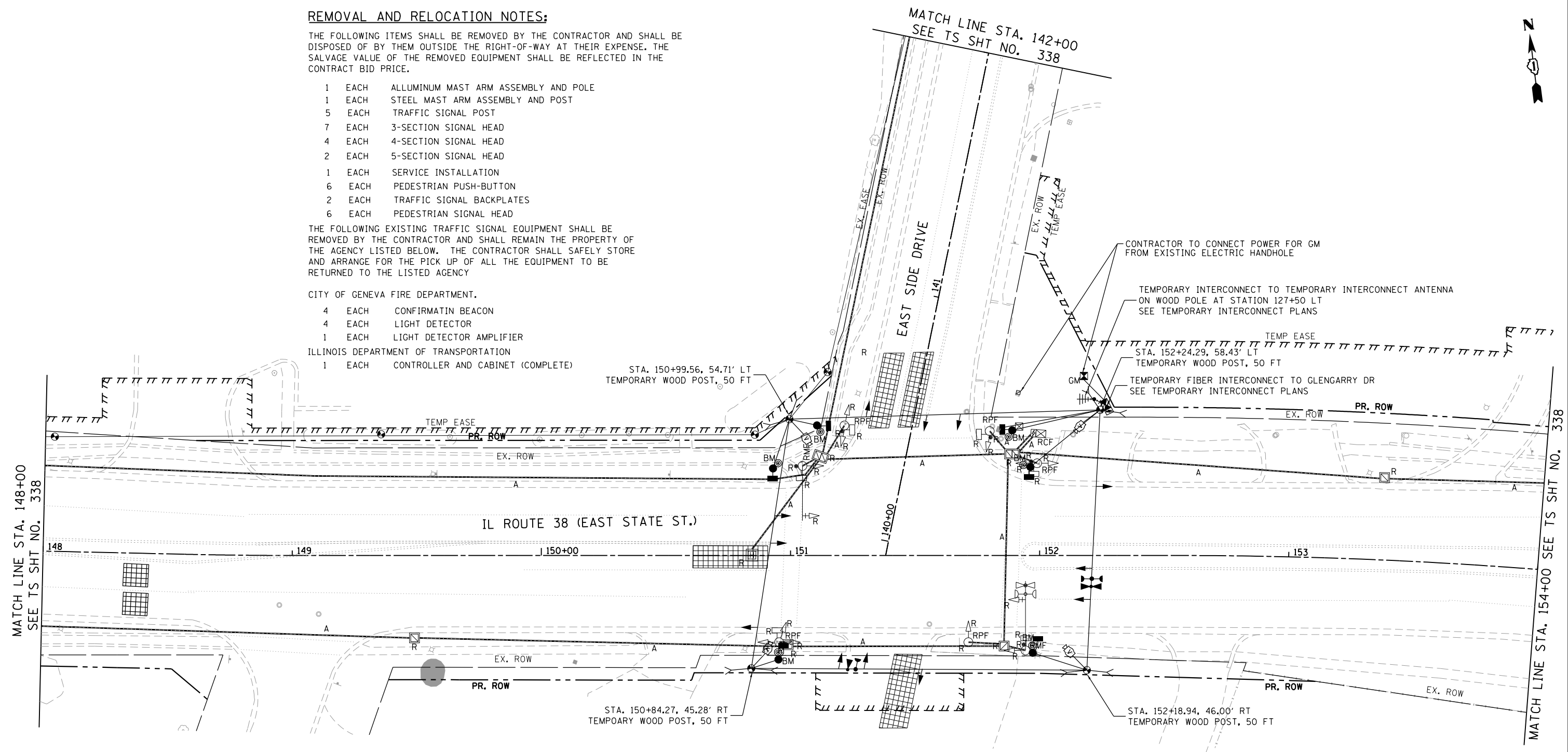
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY

CITY OF GENEVA FIRE DEPARTMENT.

- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

ILLINOIS DEPARTMENT OF TRANSPORTATION

- 1 EACH CONTROLLER AND CABINET (COMPLETE)



NOTES:

- 1. CONTRACTOR SHALL COORDINATE SERVICE CONNECTION WITH GENEVA POWER PLANT

FILE NAME = FA\961\000 Geneva East State St\CAADD_Sheets\961-000_SHT_TS_TEMP_EAST_SIDE.East.01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE**

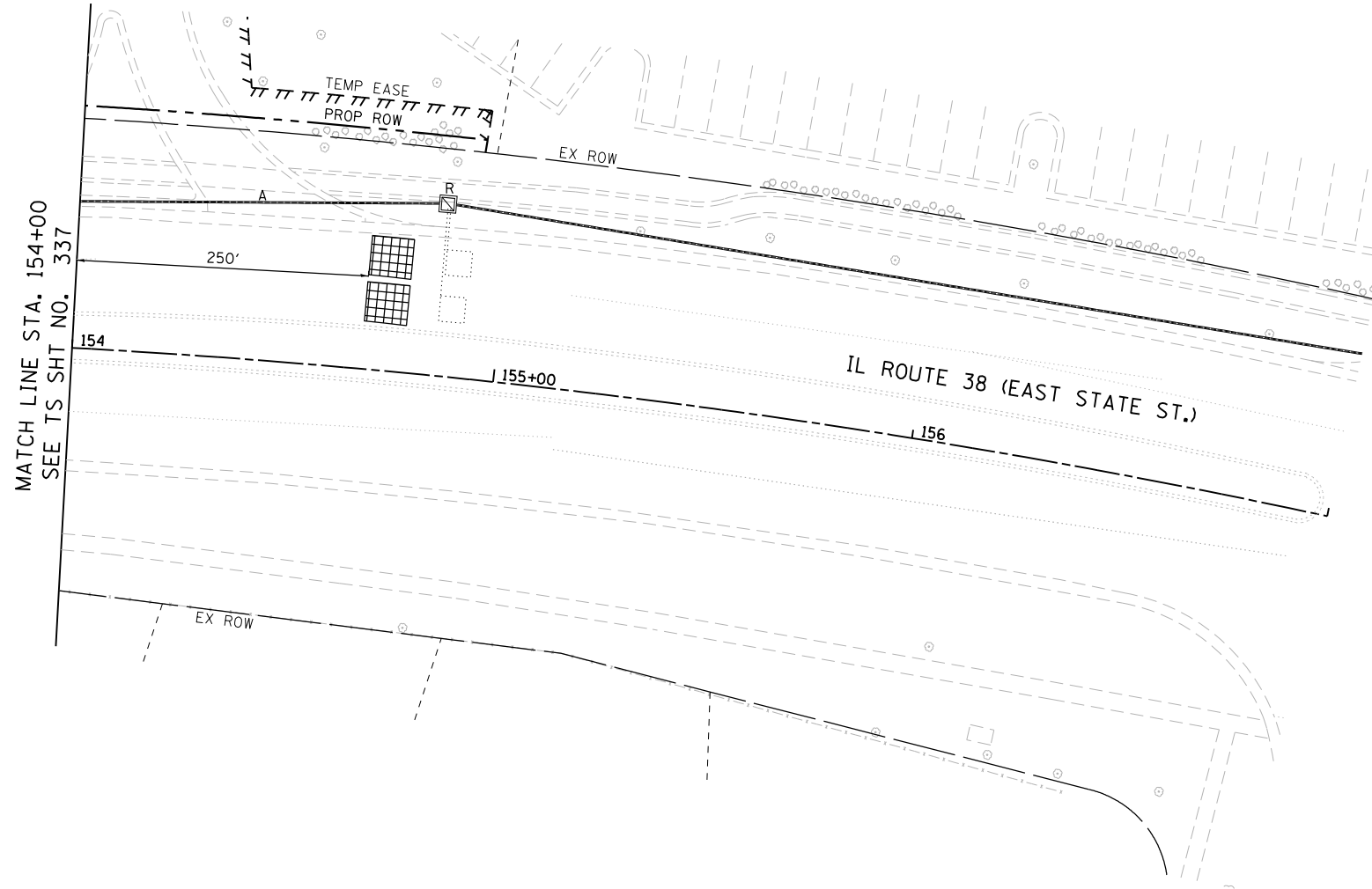
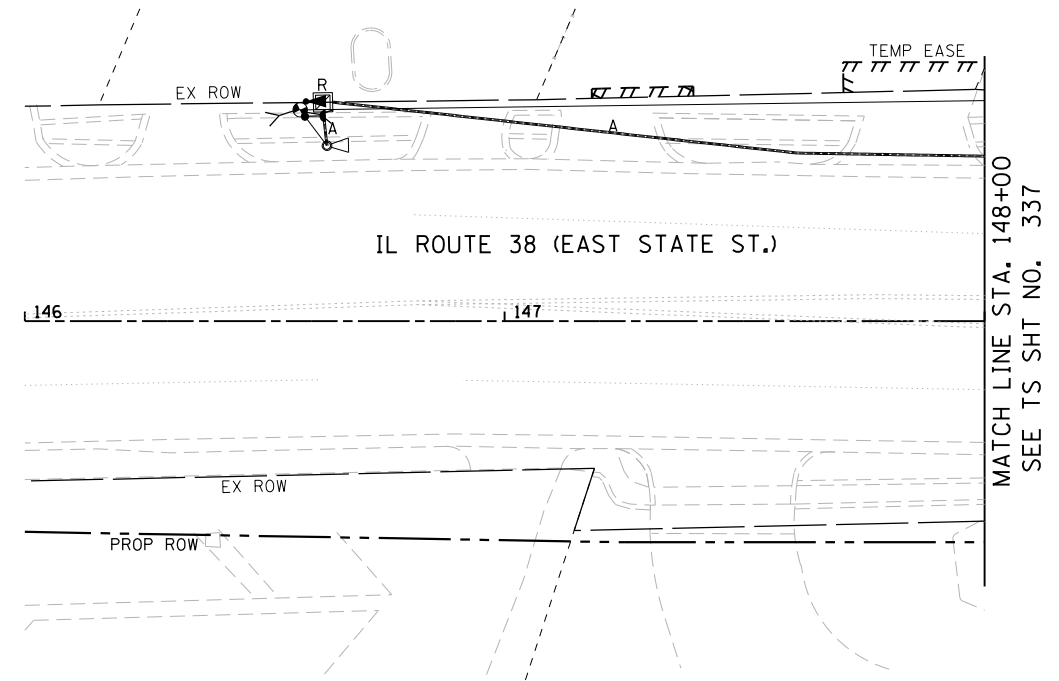
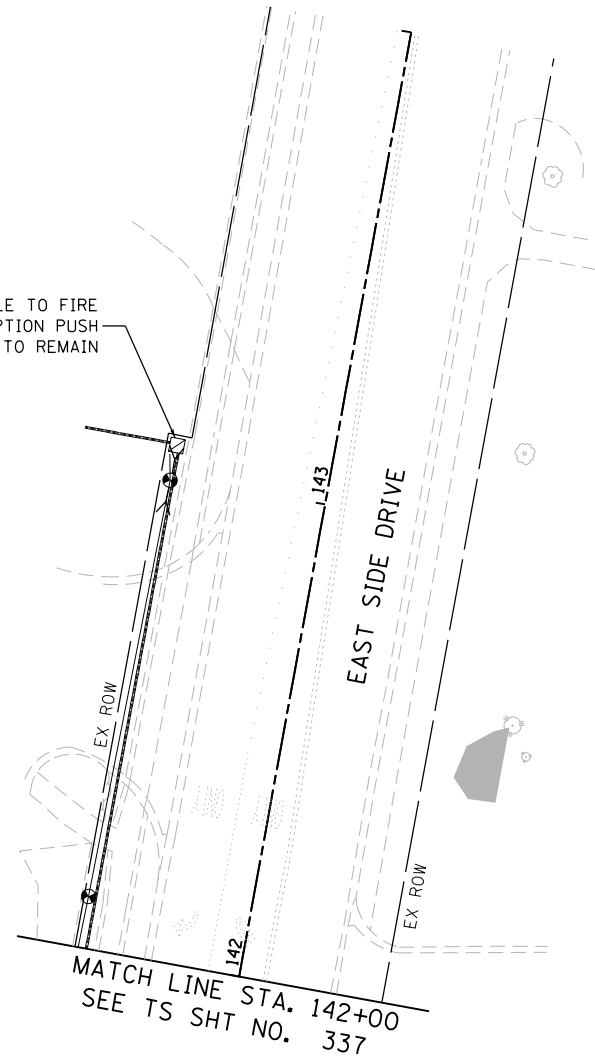
SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	337
			CONTRACT NO. 61J84	
ILLINOIS FED. AID PROJECT				

**TS 845
EAGLE KDOT**

FILE NAME = F:\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_TS_TEMP_EAST_SIDE.Exst.02.dgn

EX HANDHOLE TO FIRE
STATION PREEMPTION PUSH
BUTTON TO REMAIN



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISOR -	
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

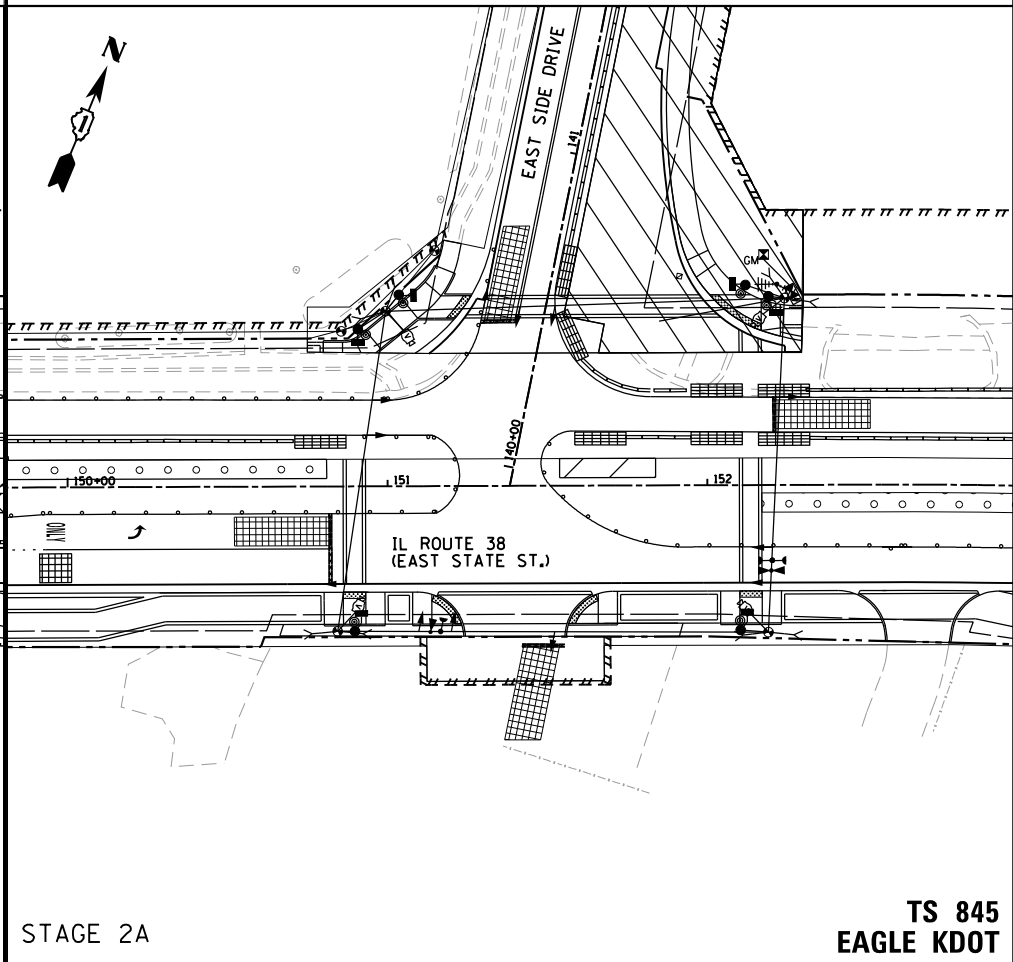
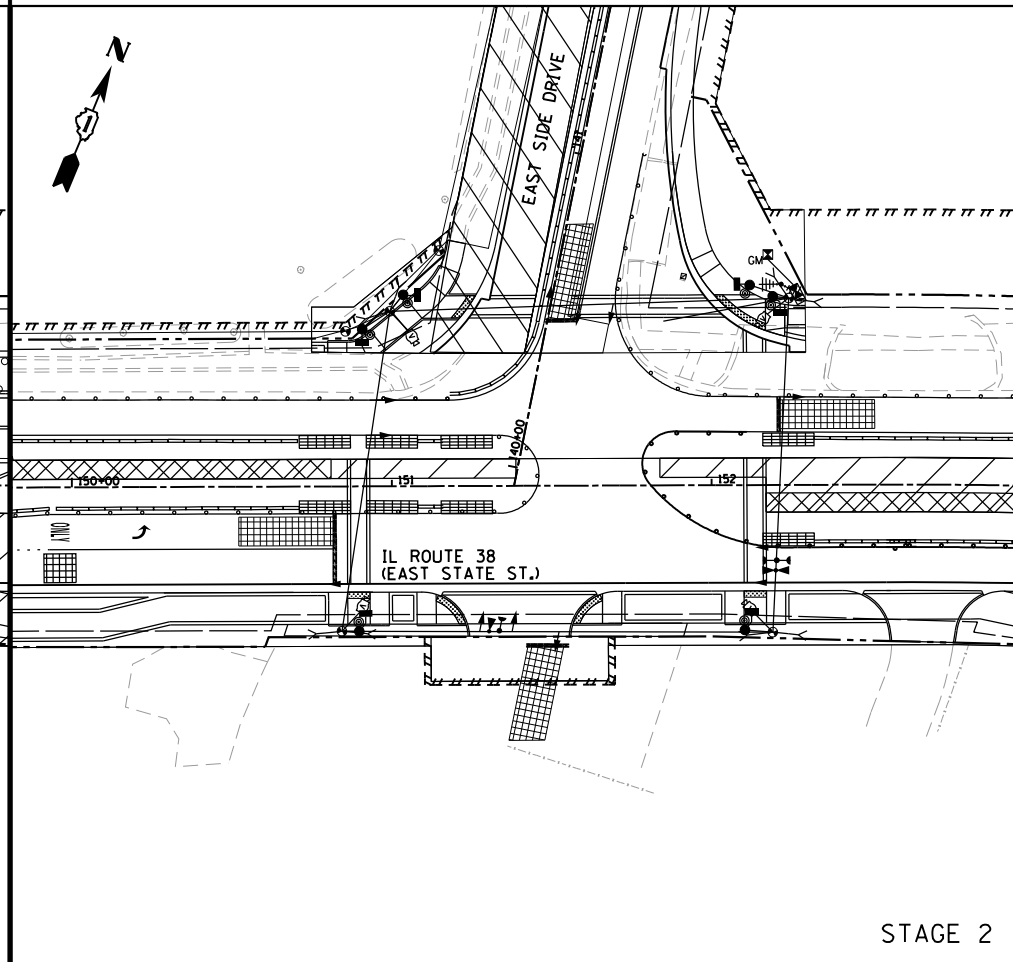
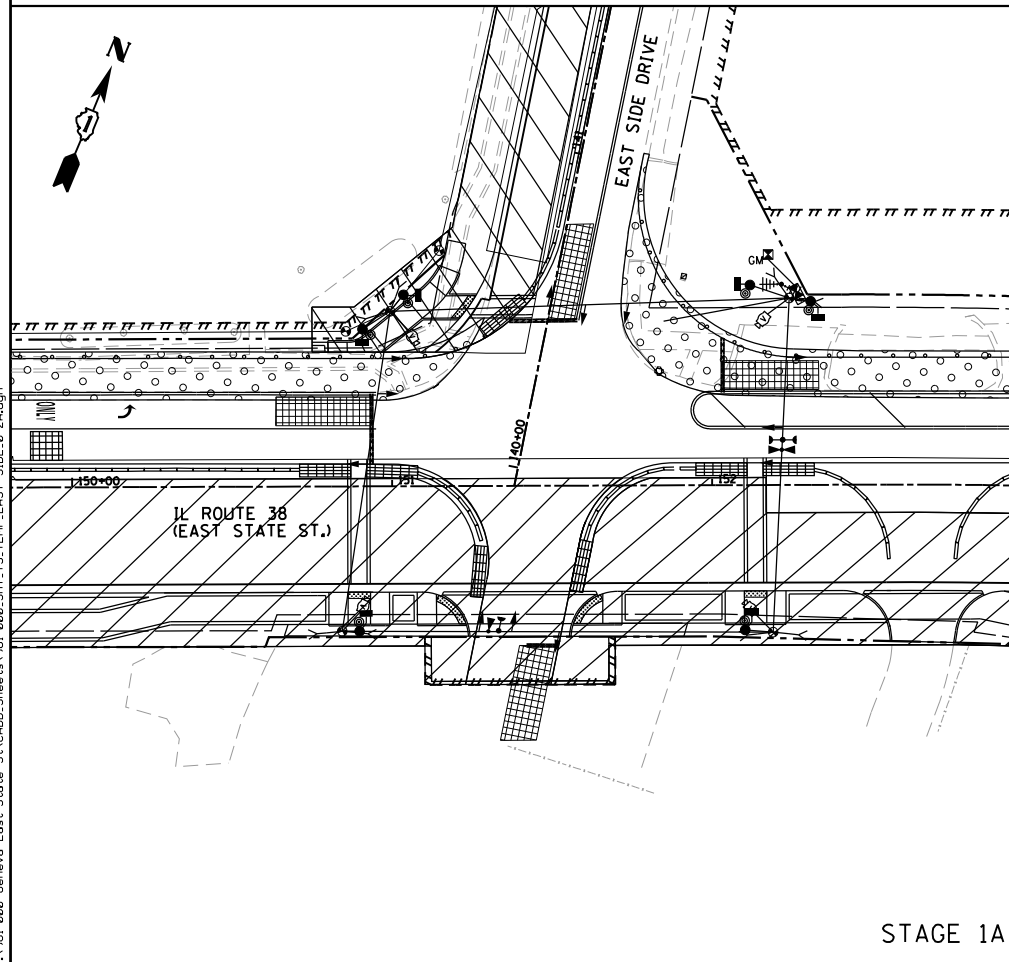
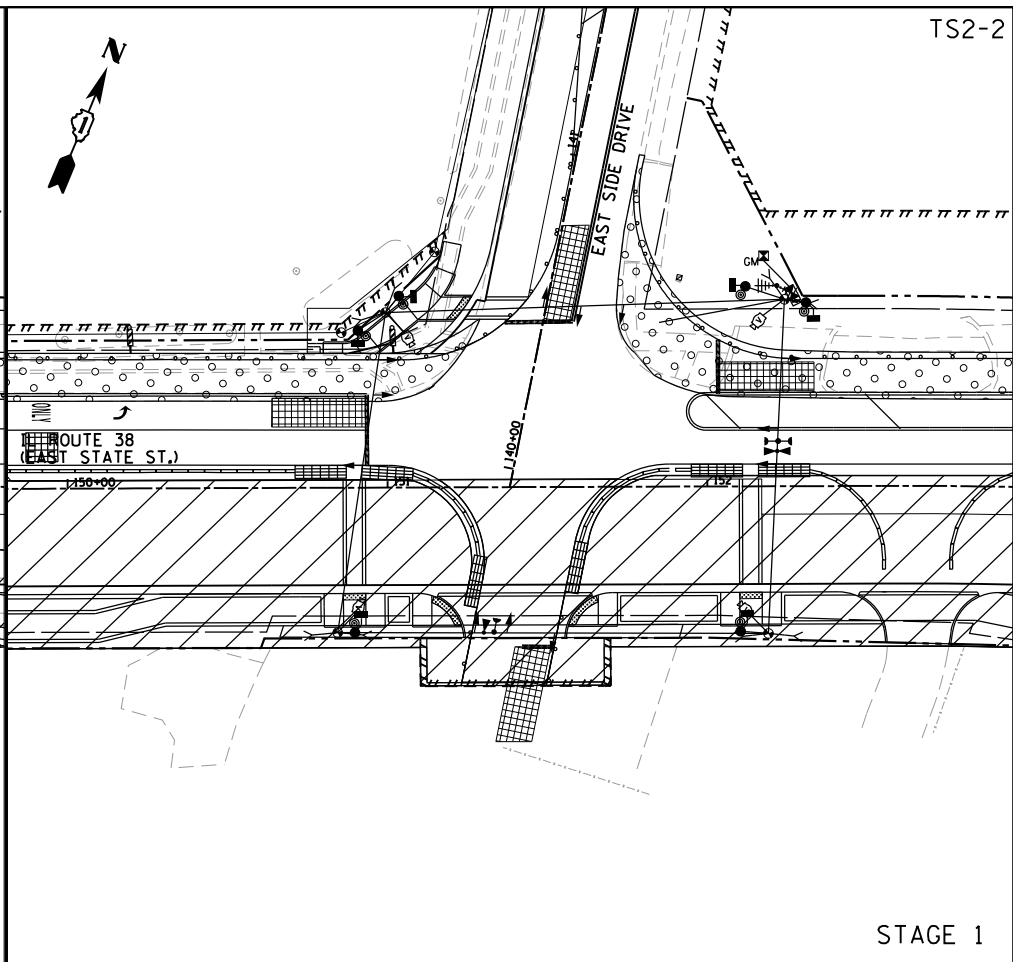
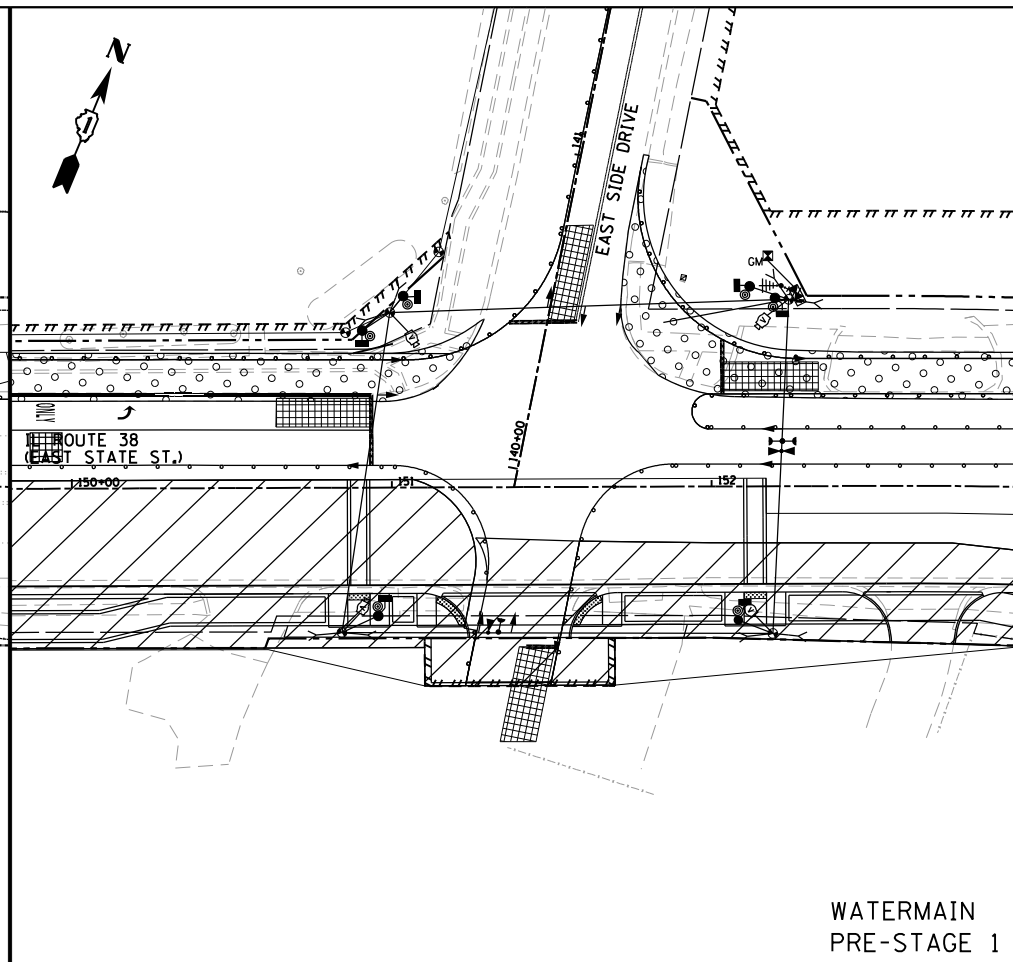
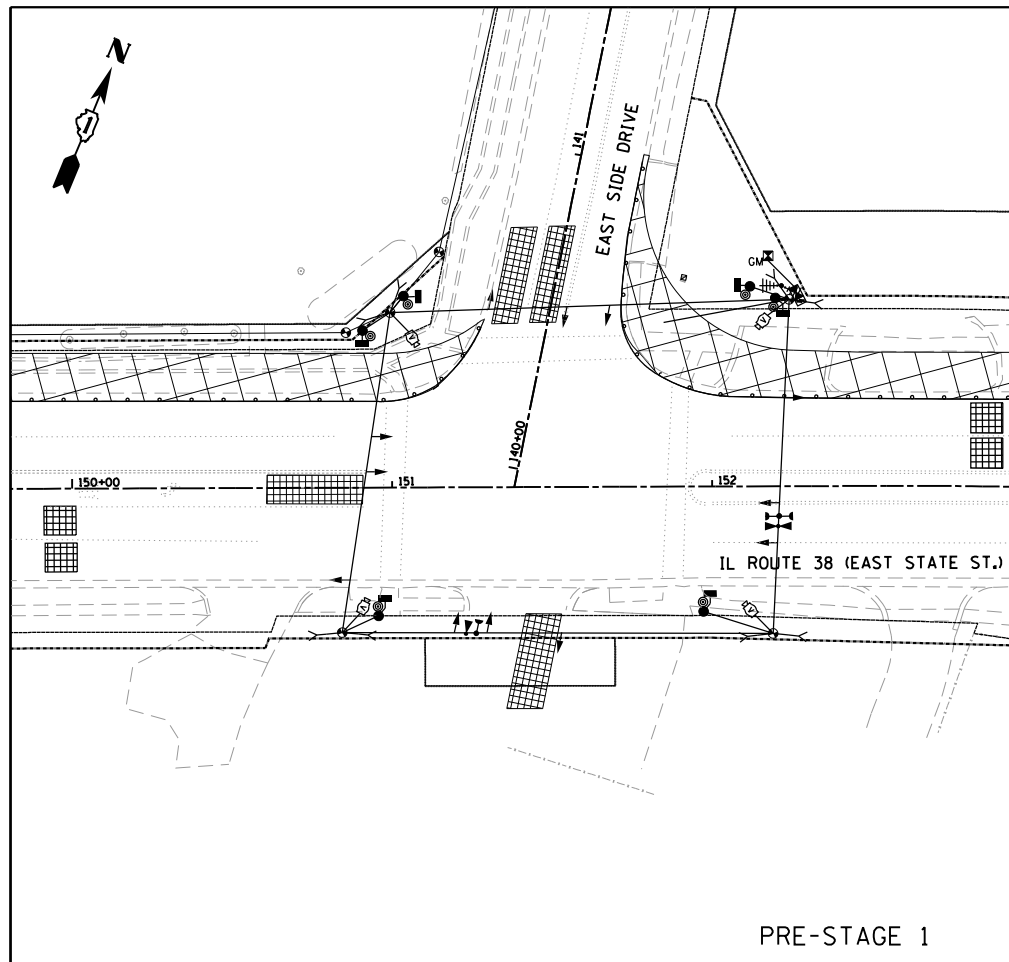
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	338
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

TS 845
EAGLE KDOT



FILE NAME = FA\961-0000 Demovo East State St.CADD.Sheets\961-0000.SHT_TS_TEMP.EAST SIDE @ 2A.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

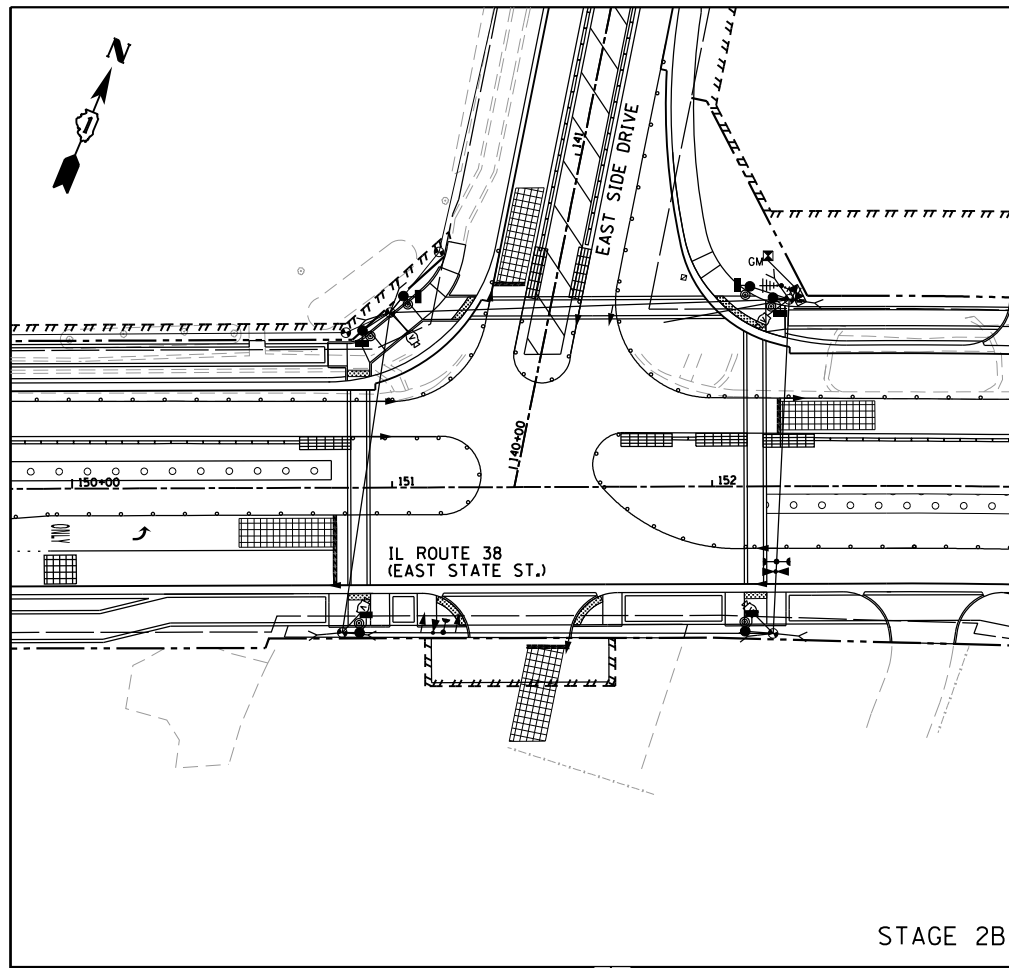
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - PRE-STAGE TO STAGE 2A**

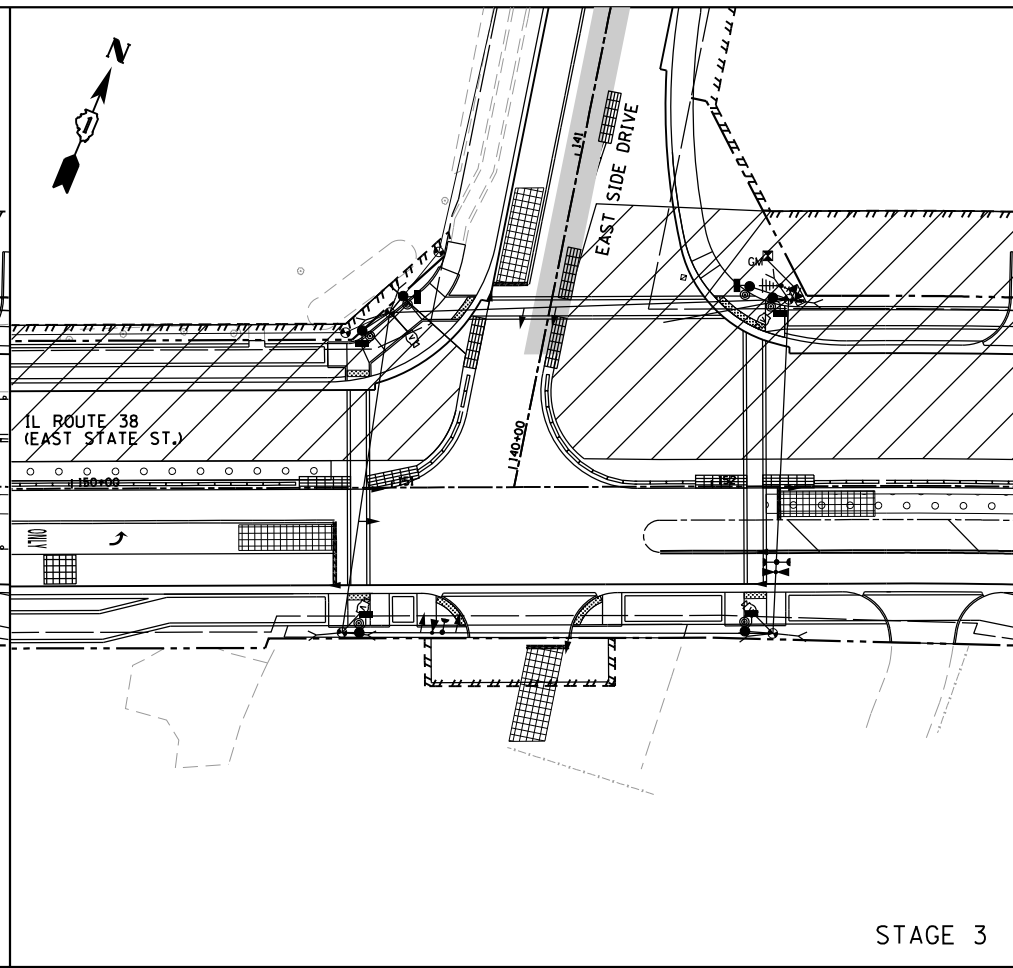
SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	339
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

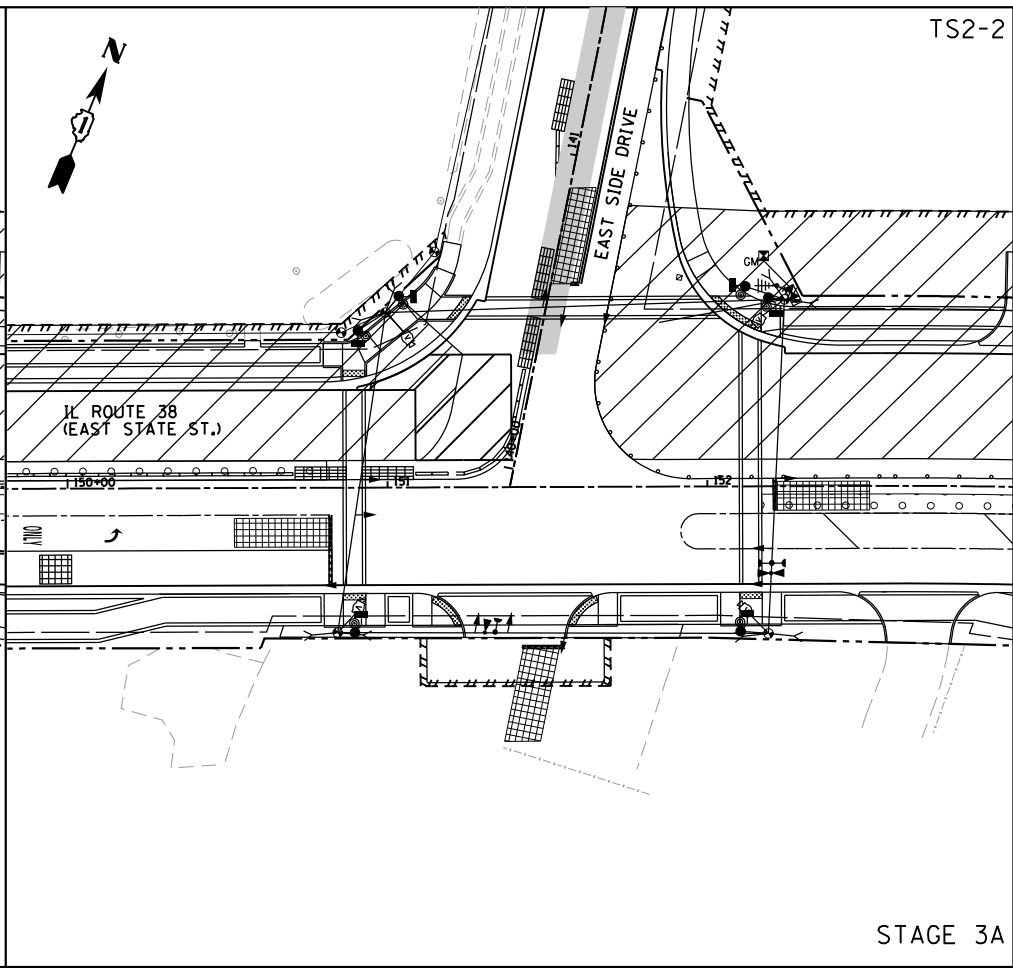
**TS 845
EAGLE KDOT**



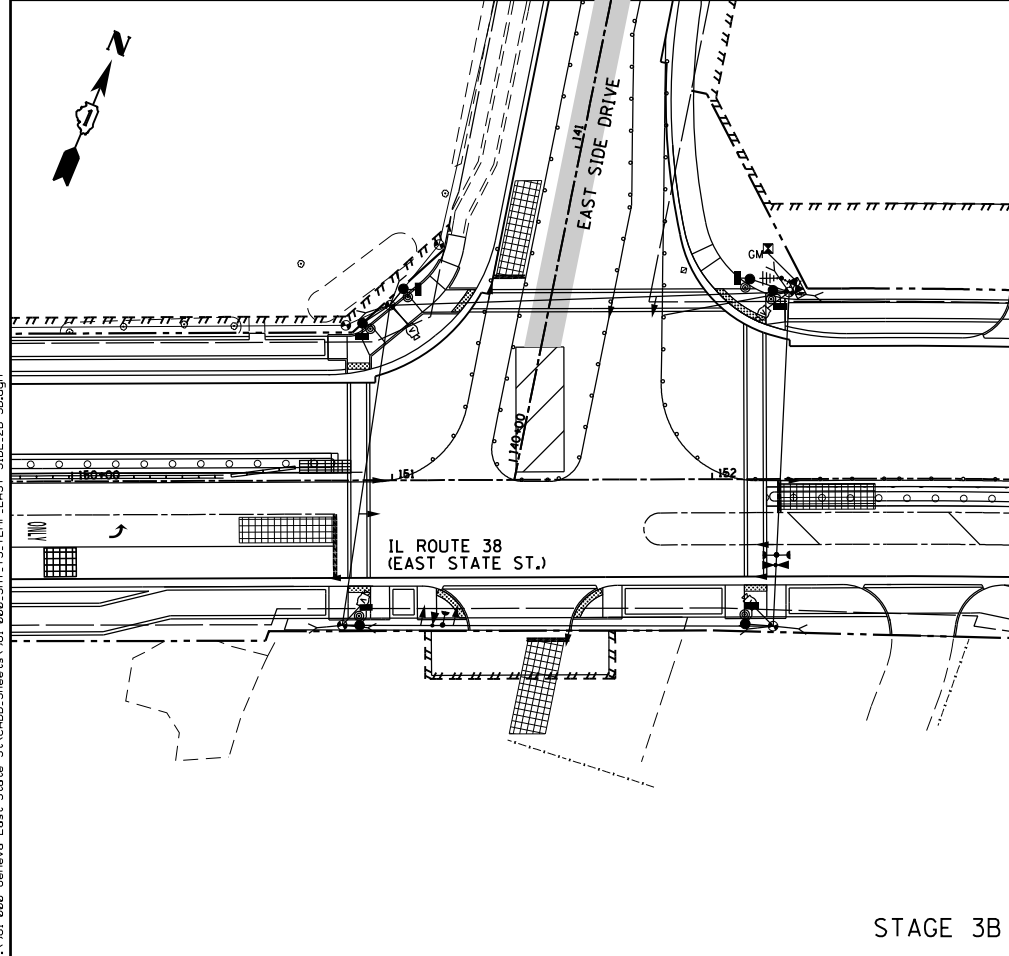
STAGE 2B



STAGE 3



STAGE 3A



STAGE 3B

FILE NAME = F:\961-000_Cemevo_East_State_St_CADD_Sheets\961-000_SHT_TS_TEMP_EAST_SIDE_2B-2B-3B.dgn

	USER NAME = tnestor	DESIGNED - GJE	REVISED -
	PLOT SCALE = 60.0000' / in.	DRAWN - GJE	REVISED -
	PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
		DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

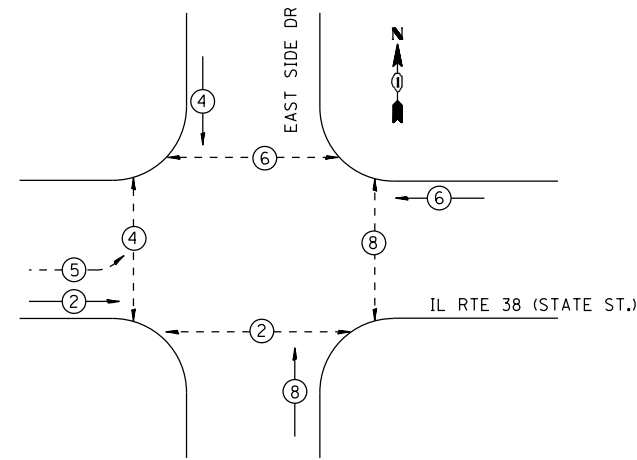
**ILLINOIS ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
TEMPORARY TRAFFIC SIGNAL M.O.T. STAGING PLAN - STAGE 2B TO STAGE 3B**

SCALE: NTS SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	340
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS XXXX
ECON XX**

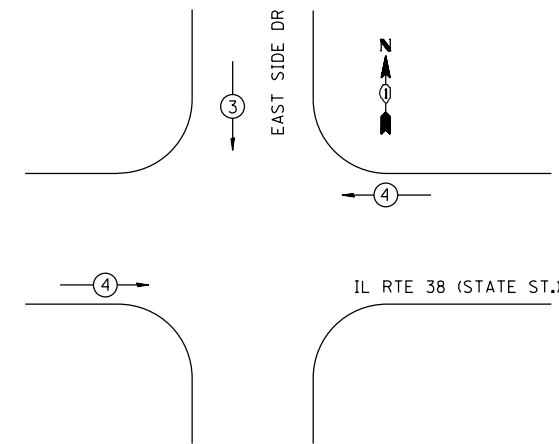
PROPOSED CONTROLLER SEQUENCE



LEGEND:

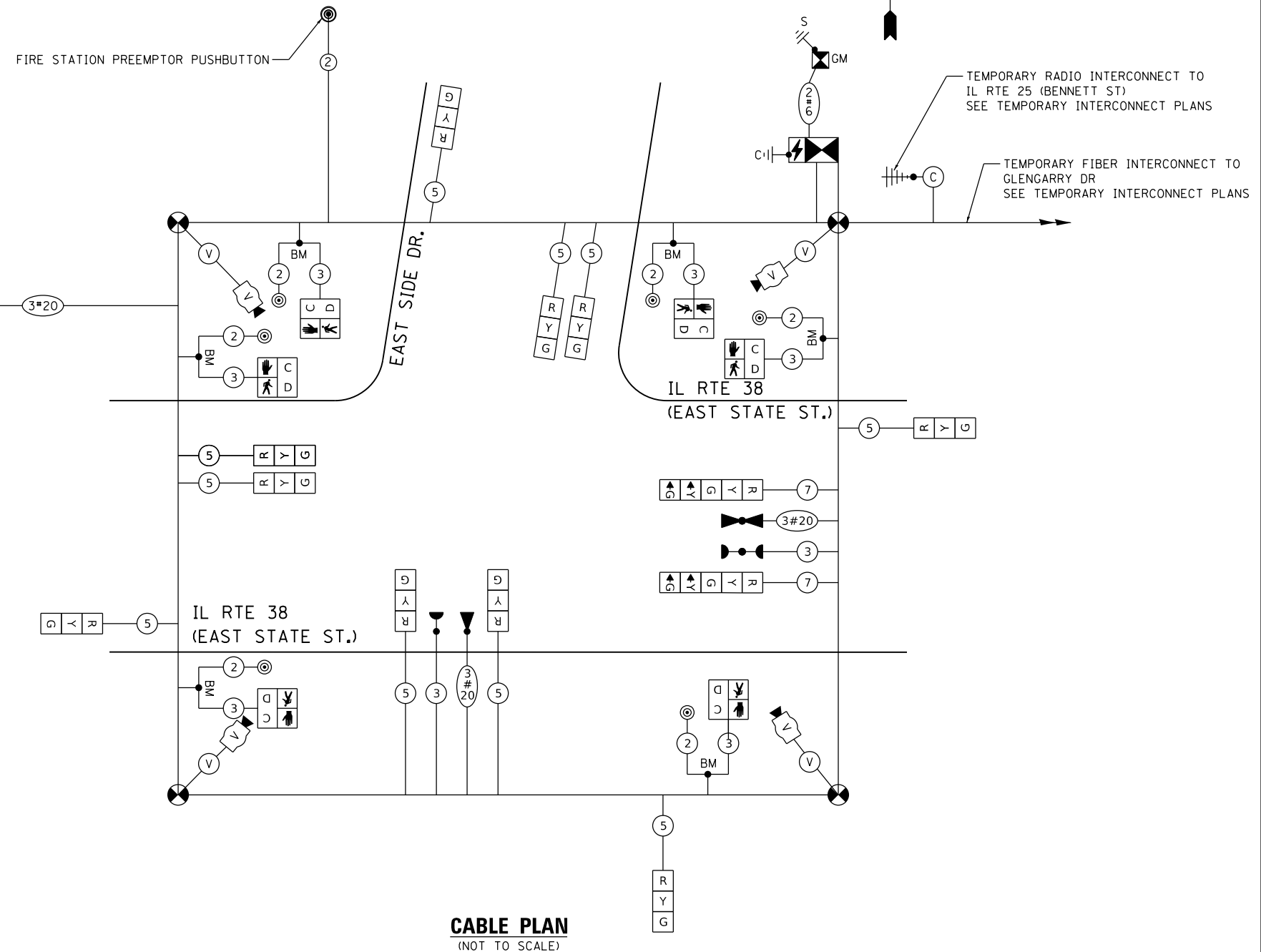
- ⊙ — PROTECTED PHASE
- ⊖ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ OL — OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



FIRE STATION PREEMPTOR PUSHBUTTON

EMERGENCY VEHICLE LIGHT DETECTOR FOR IL RTE 25



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	6	15	90
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			491
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,096

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
01 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
PHONE: (630) 232-1503
COMPANY: CITY OF GENEVA
ACCOUNT NUMBER: ---
METER NUMBER: ---



USER NAME = tnestor
DESIGNED - GJE
DRAWN - GJE
PLOT SCALE = 100.0022' / in.
CHECKED - DBB
PLOT DATE = 1/13/2025
DATE - 11/7/2024

REVISOR -
REVISED -
REVISOR -
REVISED -
REVISOR -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND
TEMPORARY EMERGENCY PREEMPTION SEQUENCE - ALL STAGES

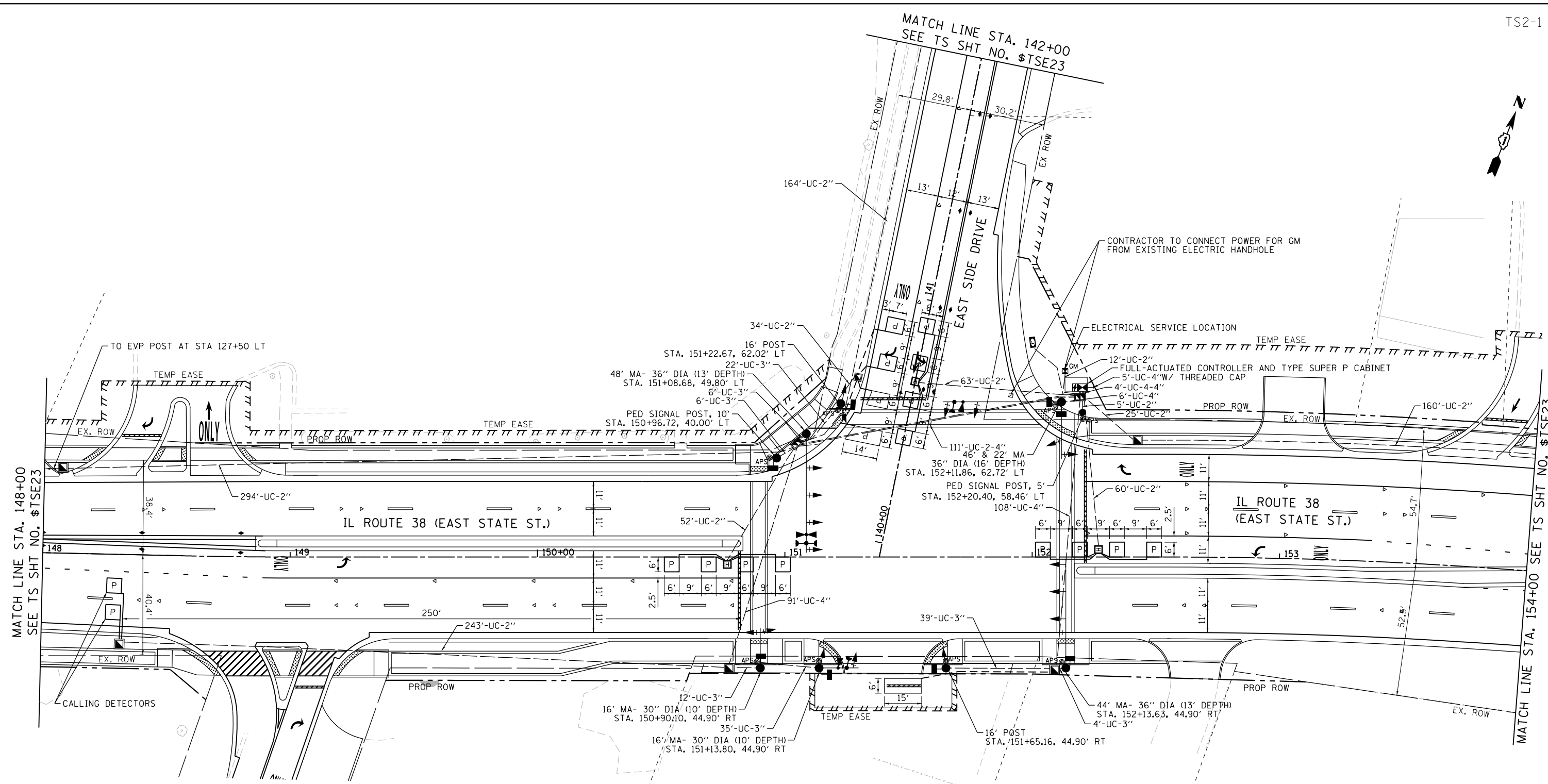
SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	341

CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT

TS 845
EAGLE KDOT

FILE NAME = F:\961-000 Geneva East State St.CADD_Sheets\961-000_SHT_TS_TEMP_CABLE_EAST_SIDE.dgn



GENERAL NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTOR WILL BE DETERMINED PER THE MANUFACTURERS RECOMMENDATIONS.

FILE NAME = F:\961-000 Genevo East State St.CADD.Sheets\961-000_SHT_TS_PROP EAST SIDE.01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

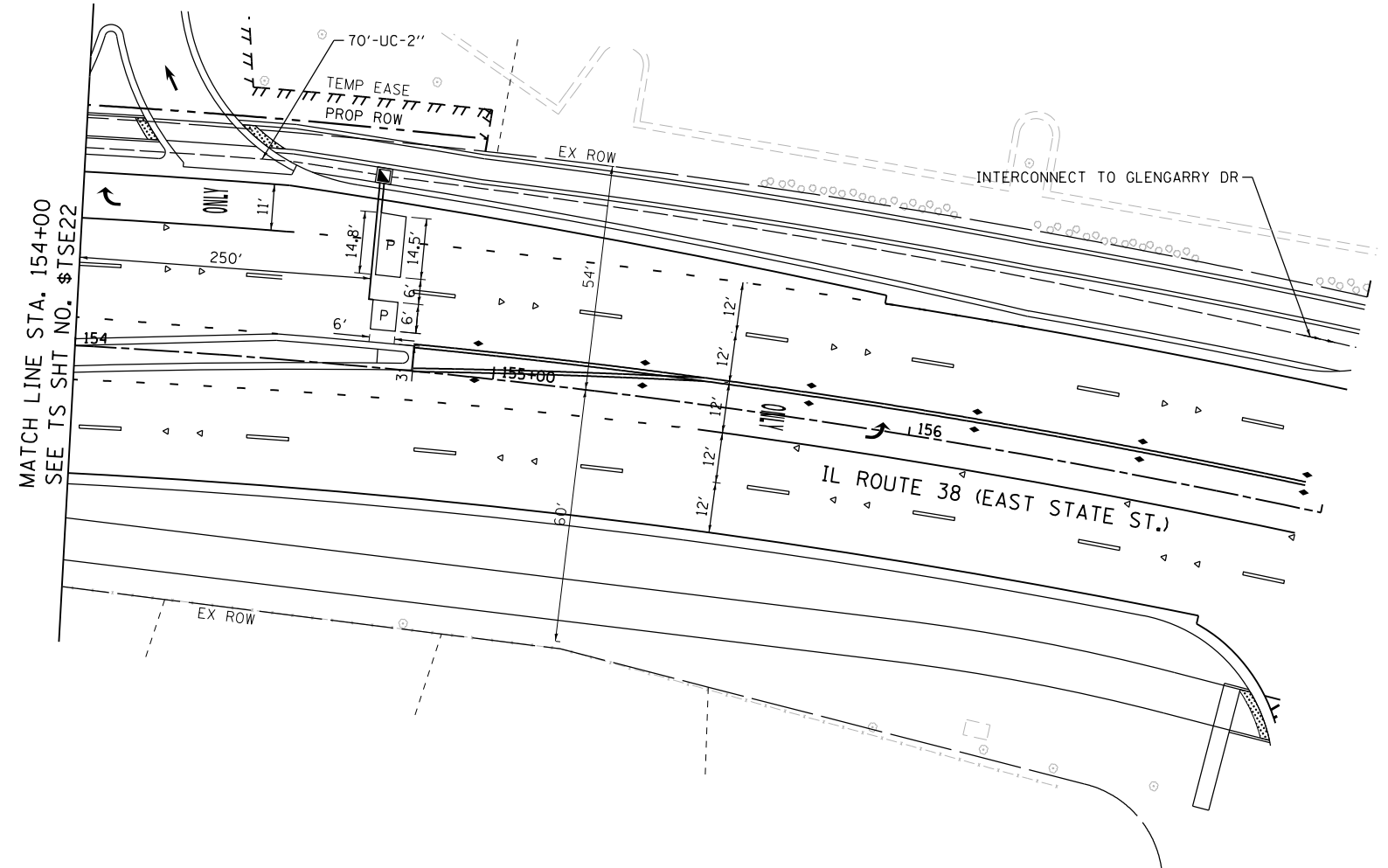
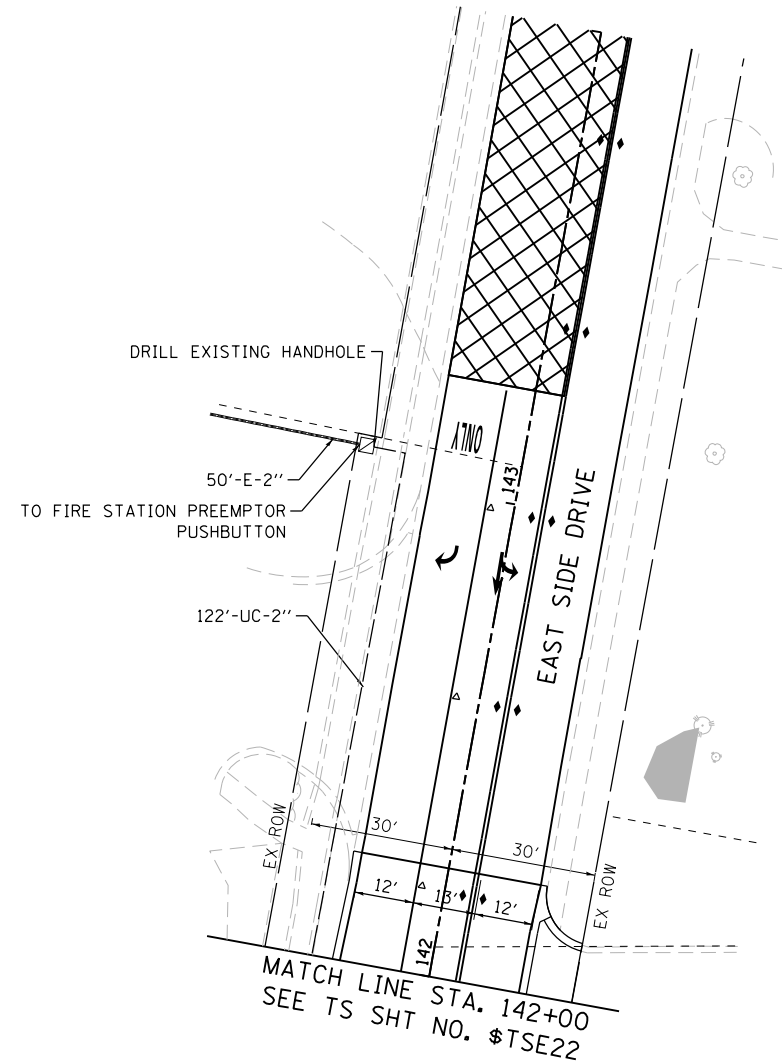
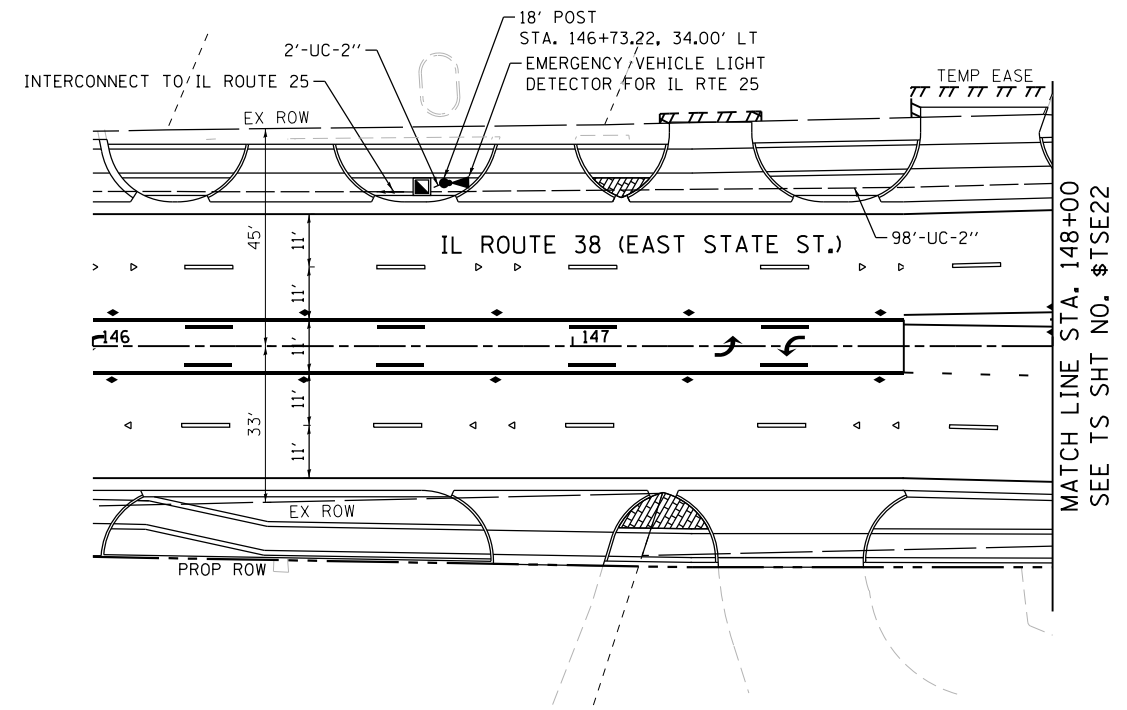
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
TRAFFIC SIGNAL INSTALLATION PLAN**

SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	342
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 845
EAGLE KDOT**



FILE NAME = F:\961-000 Genevo East State St.CADD.Sheets\961-0000_SHT_TS_PROP EAST SIDE.02.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISOR -	
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

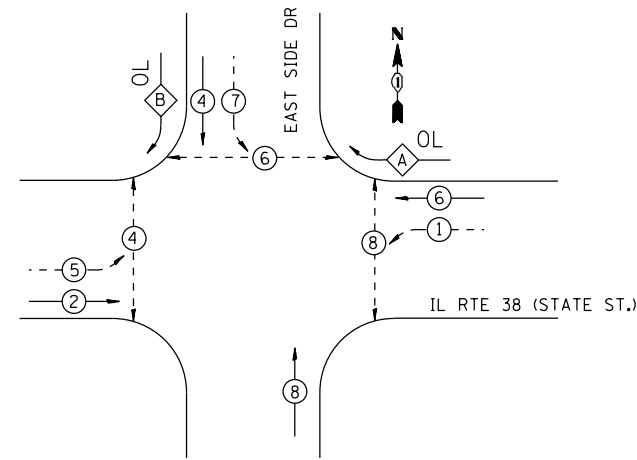
IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	343
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

TS 845
EAGLE KDOT

PROPOSED CONTROLLER SEQUENCE



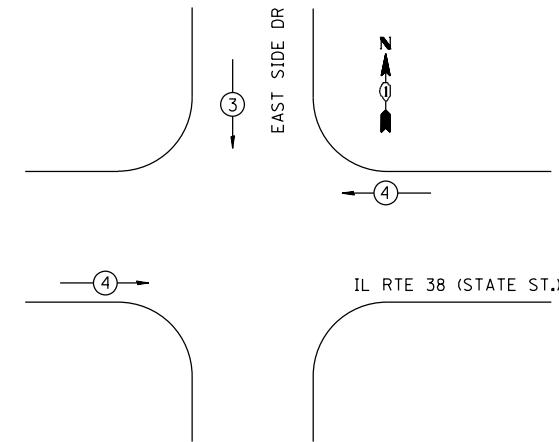
LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 6 +	7
B	= 4 +	5

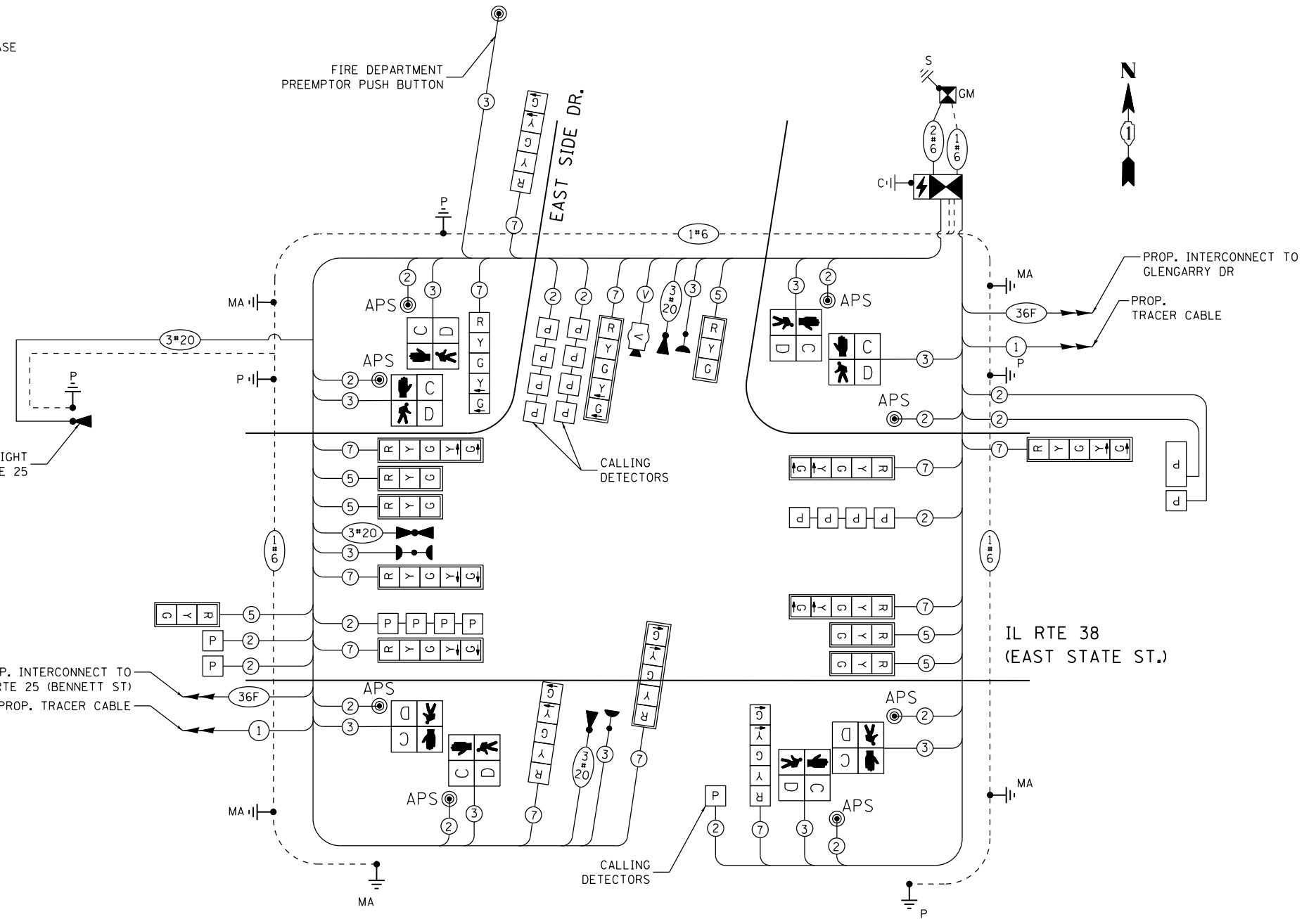
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE LIGHT DETECTOR FOR IL RTE 25

PROP. INTERCONNECT TO IL RTE 25 (BENNETT ST)
PROP. TRACER CABLE

FIRE DEPARTMENT PREEMPTOR PUSH BUTTON



NOTES: ALL RED INDICATIONS SHALL HAVE A LENS COVER

CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			607
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,212

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
01 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
PHONE: (630) 232-1503
COMPANY: CITY OF GENEVA
ACCOUNT NUMBER: ---
METER NUMBER: ---

FILE NAME = F:\961-000 Geneva East State St.CADD_Sheets\961-000_SHT_TS_CABLE_EAST_SIDE.dgn



USER NAME = tnestor
DESIGNED - GJE
DRAWN - GJE
PLOT SCALE = 100.0022' / in.
CHECKED - DBB
PLOT DATE = 1/13/2025
DATE - 11/7/2024

REVISOR -
REVISED -
REVISOR -
REVISED -
REVISOR -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DRIVE
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY PREEMPTION SEQUENCE

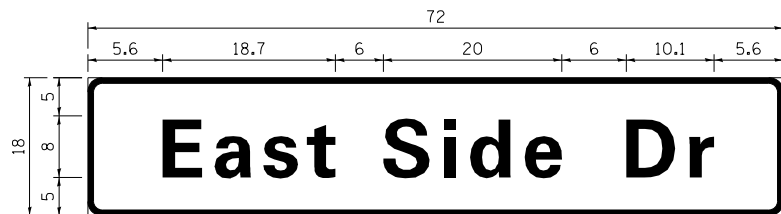
SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	344
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

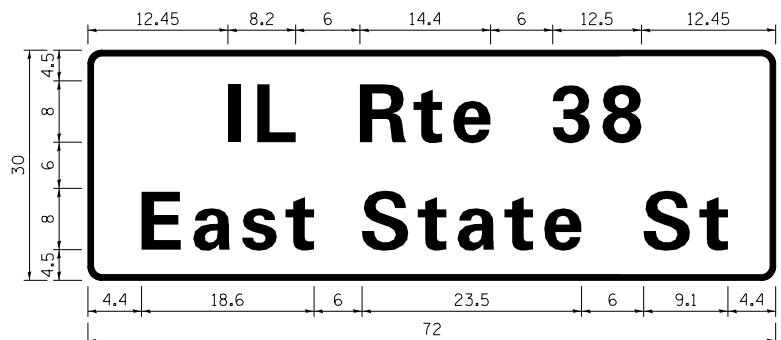
TS 845
EAGLE KDOT

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

ITEM	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	18
SIGN PANEL - TYPE 2	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1307
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	120
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	446
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	5
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	3
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1307
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2881
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1142
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2327
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1333
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	21
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	657
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT AND 46 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	8
LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
* TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1809
* OUTDOOR RATED CABLE	FOOT	390
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
TRAFFIC SIGNAL POST, 10 FT	EACH	1
TRAFFIC SIGNAL POST, 5 FT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12-INCH DIAMETER	FOOT	8
LED SIGNAL FACE, LENS COVER	EACH	18
PREFORMED DETECTOR LOOP	FOOT	786
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

*100% COSTS TO THE CITY OF GENEVA

FILE NAME = F:\961-000 Genevo East State St\CAADD_Sheets\961-000_SHT_TS_EAST_SIDE_SIGN_S00.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT EAST SIDE DR.
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	345
			CONTRACT NO. 61J84	
ILLINOIS FED. AID PROJECT				

TS 845
EAGLE KDOT

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CABINET
- 4 EACH ALLUMINUM MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 11 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 6 EACH TRAFFIC SIGNAL BACKPLATES
- 4 EACH PEDESTRIAN SIGNAL HEAD

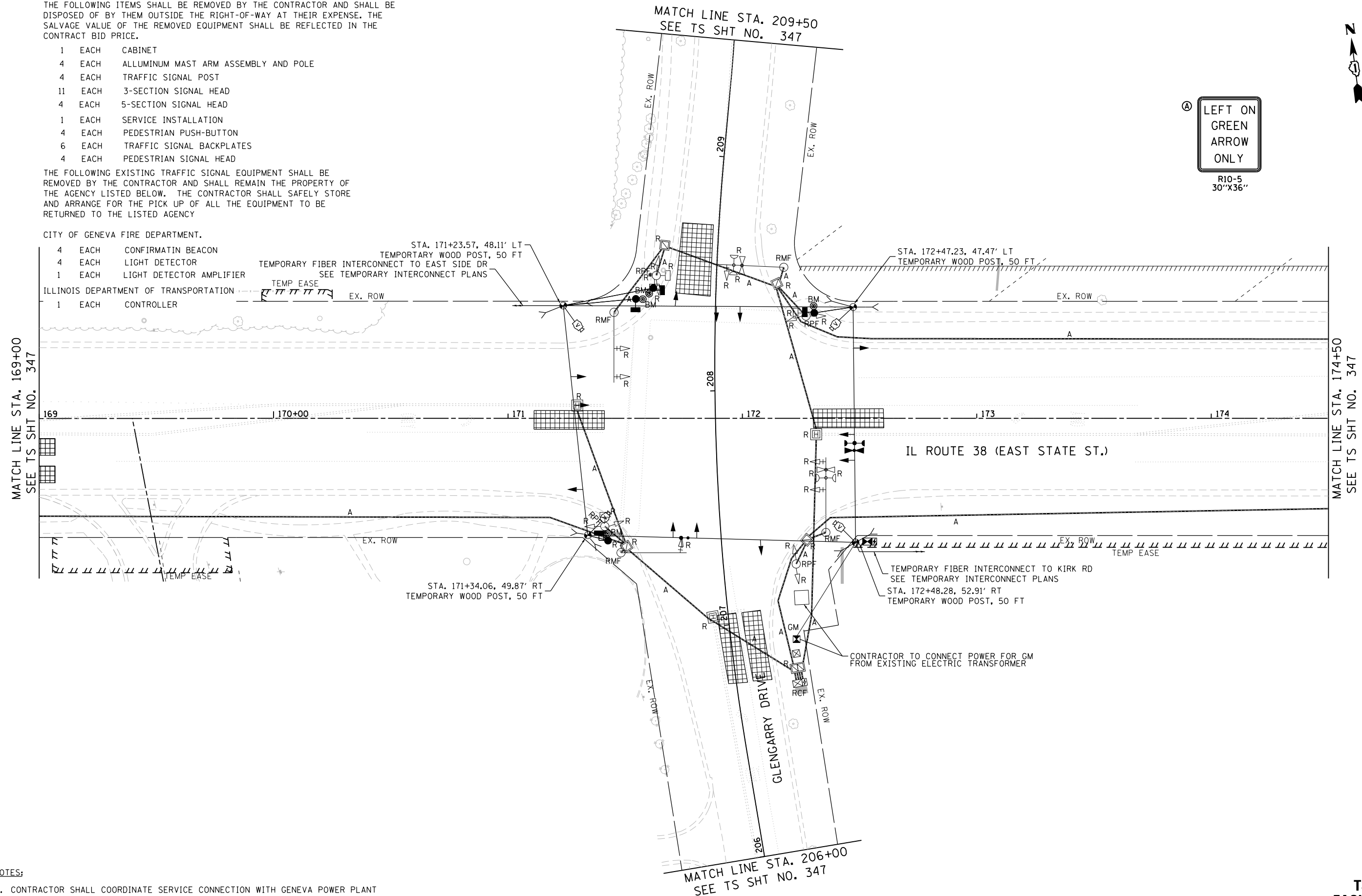
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY

CITY OF GENEVA FIRE DEPARTMENT.

- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

ILLINOIS DEPARTMENT OF TRANSPORTATION

- 1 EACH CONTROLLER



Ⓐ LEFT ON GREEN ARROW ONLY
R10-5
30"X36"



NOTES:

- 1. CONTRACTOR SHALL COORDINATE SERVICE CONNECTION WITH GENEVA POWER PLANT

FILE NAME = FA\961-000 Geneva East State St\CAADD_Sheets\961-000_SHT_TS_TEMP_GLENGARRY_Extst_01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISIONS -	
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISIONS -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISIONS -

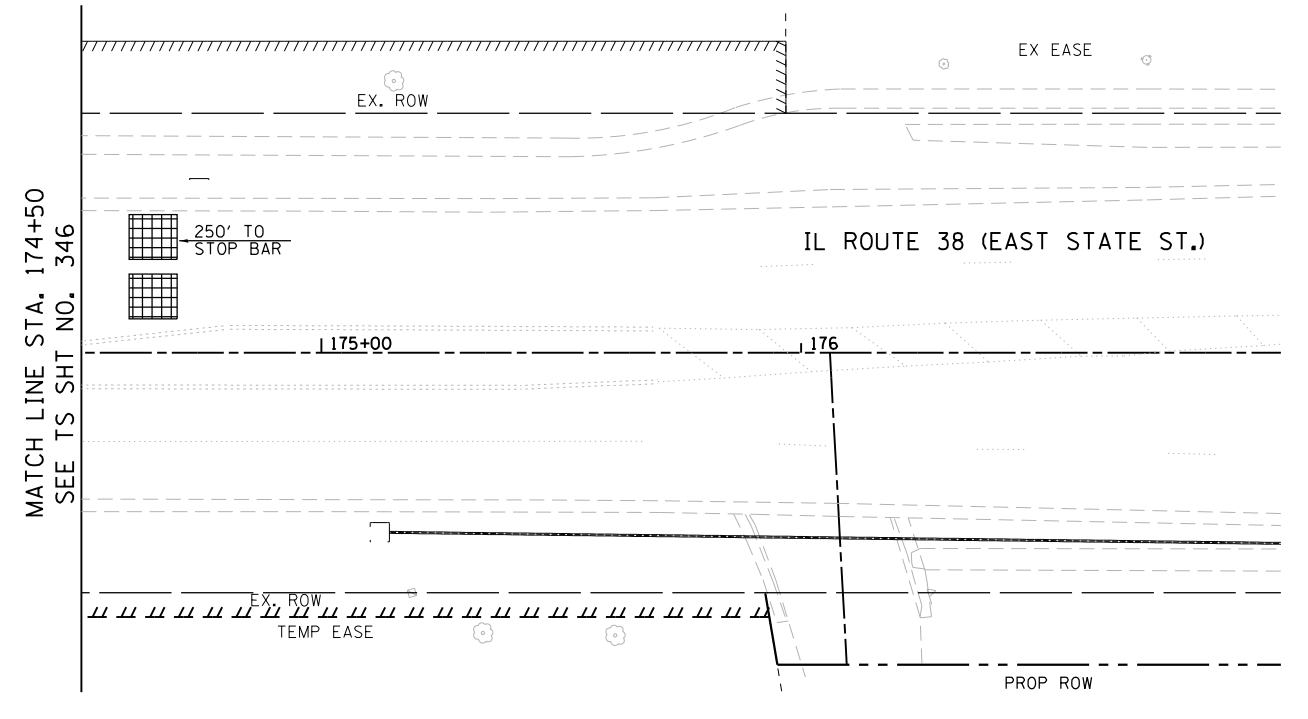
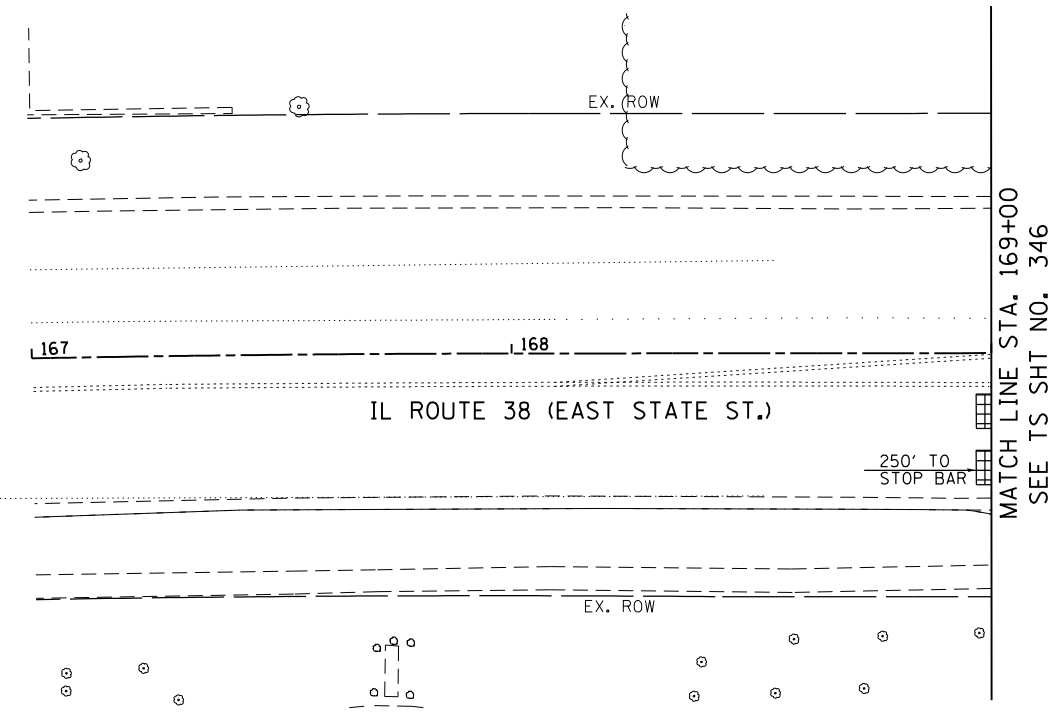
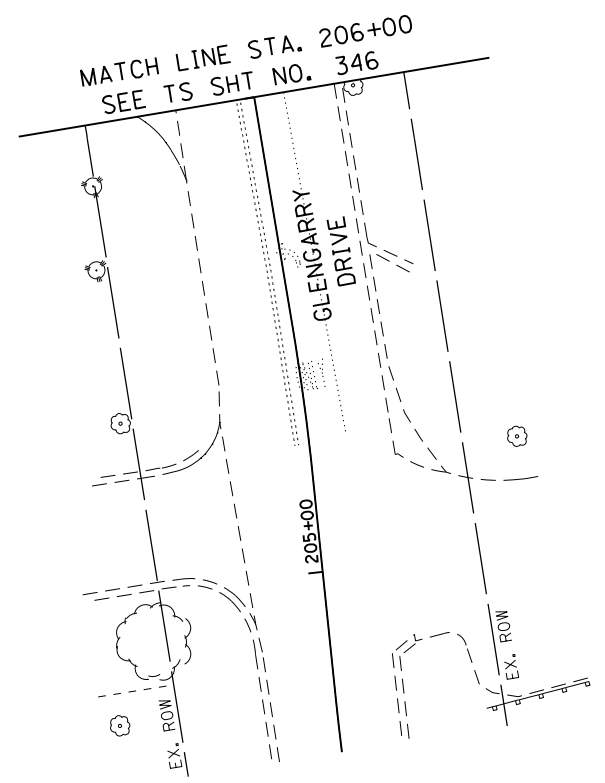
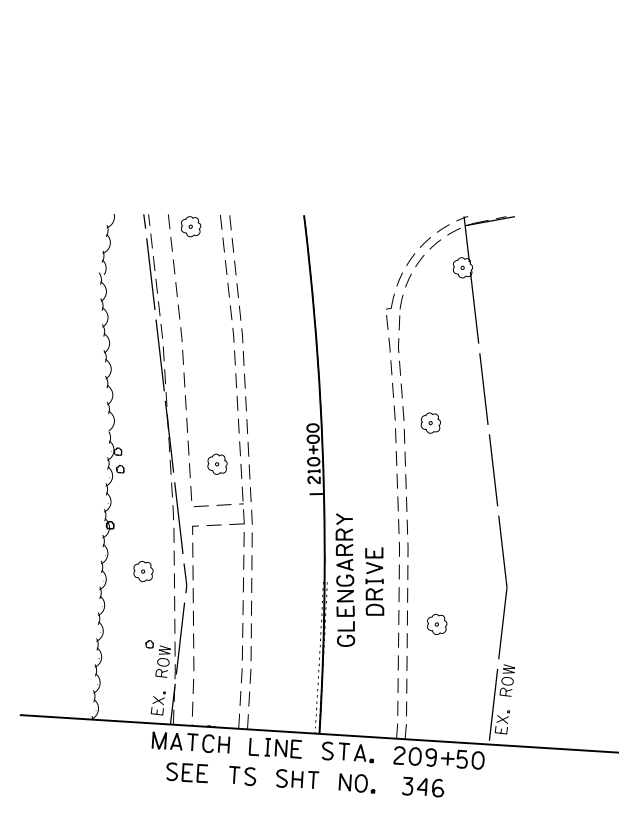
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	346
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

TS 10945
EAGLE KDOT



FILE NAME = F:\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_TS_TEMP_GLENGARRY_Exist_02.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

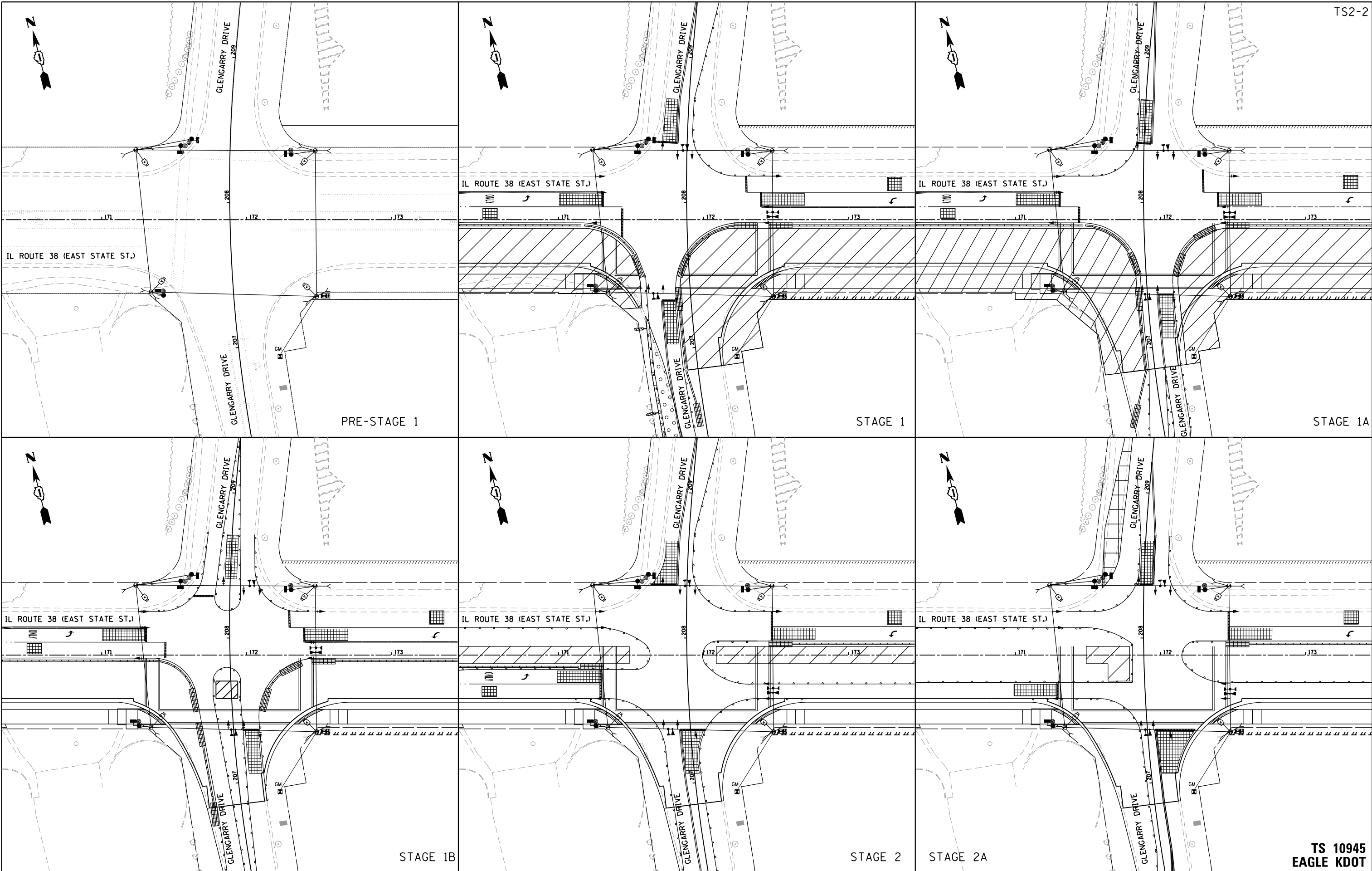
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY AVENUE**

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	347
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 10945
EAGLE KDOT**



FILE NAME = FA\961-0000_Cemevo East State St\CADD_Sheets\961-0000_SHT_TS_TEMP_GLENGARRY_0-2A.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
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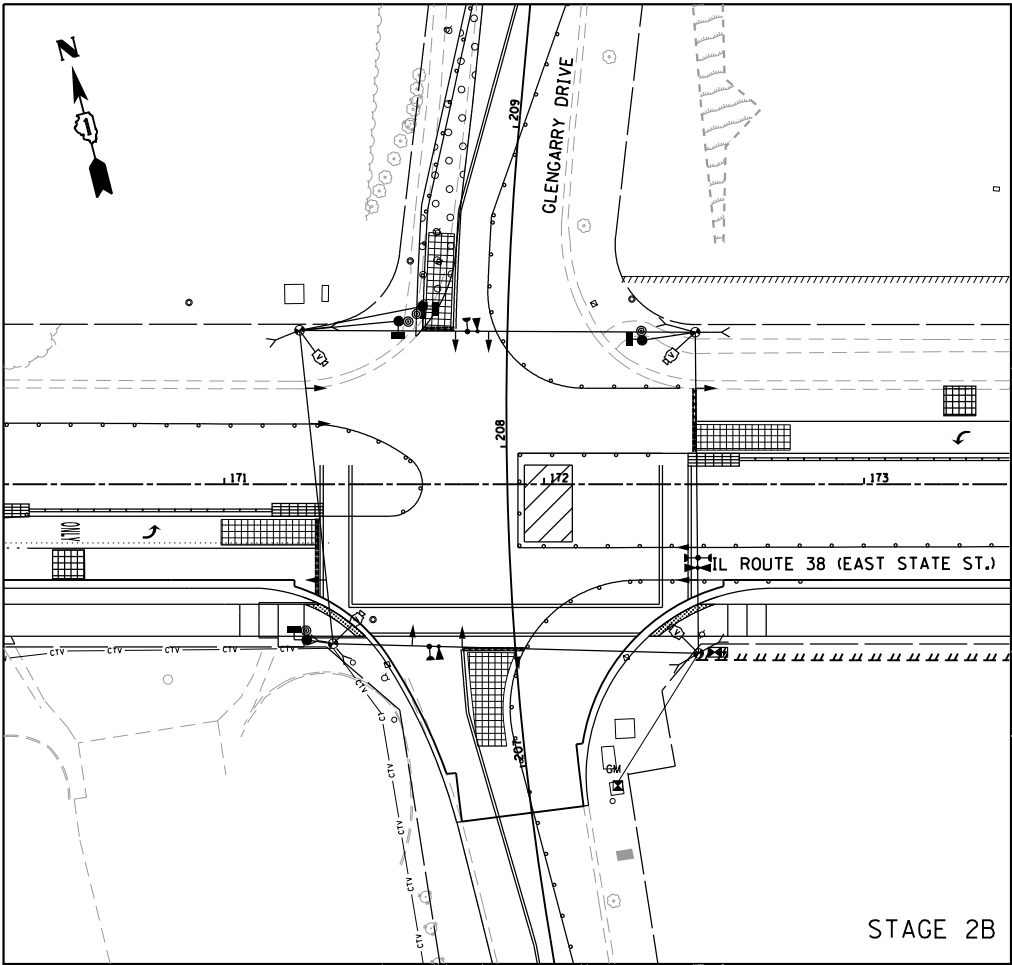
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
TEMPORARY TRAFFIC SIGNAL INSTALLATION - PRE-STAGE 1 TO STAGE 2A**

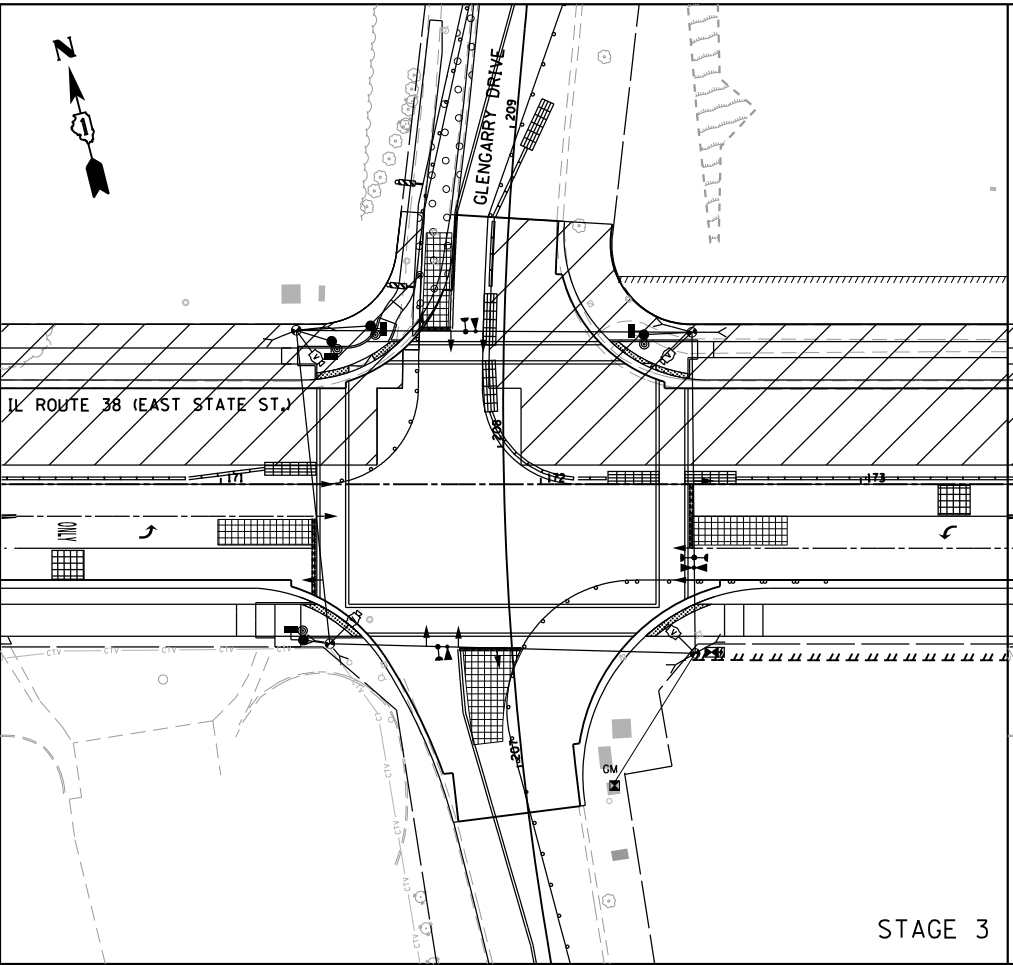
SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 348
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	

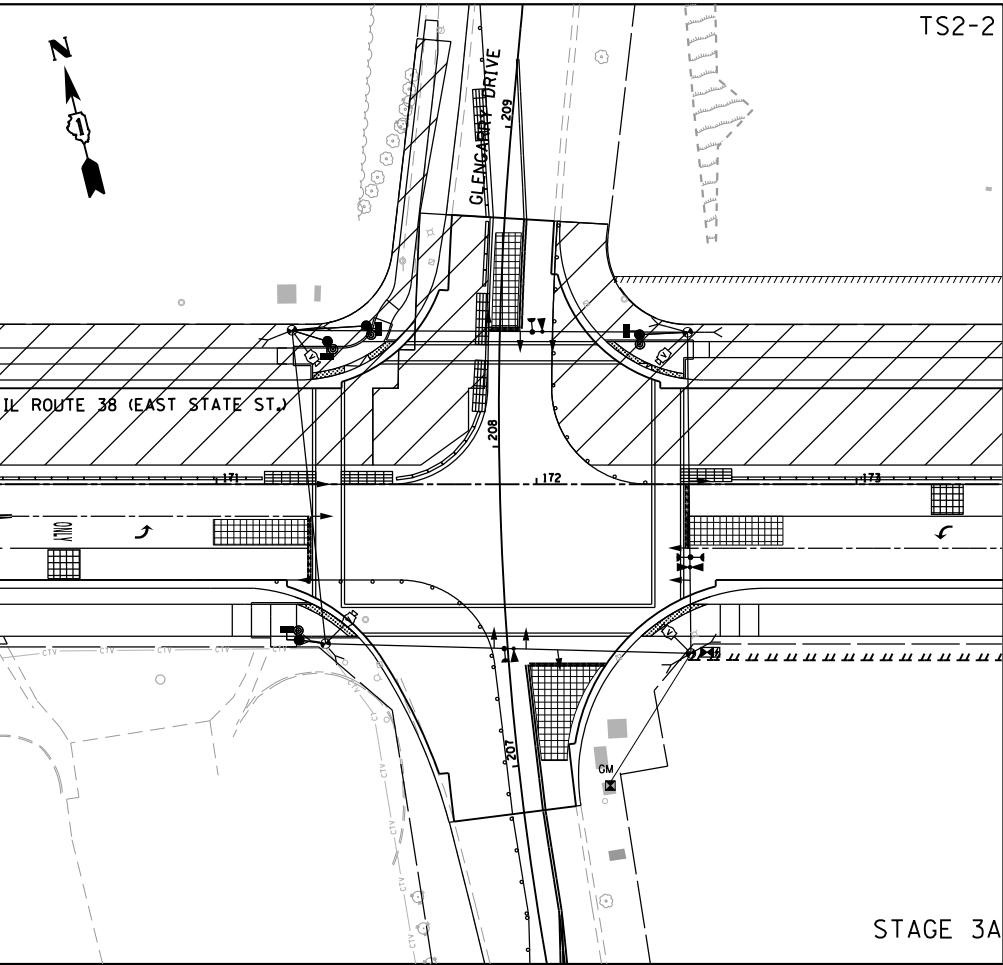
**TS 10945
EAGLE KDOT**



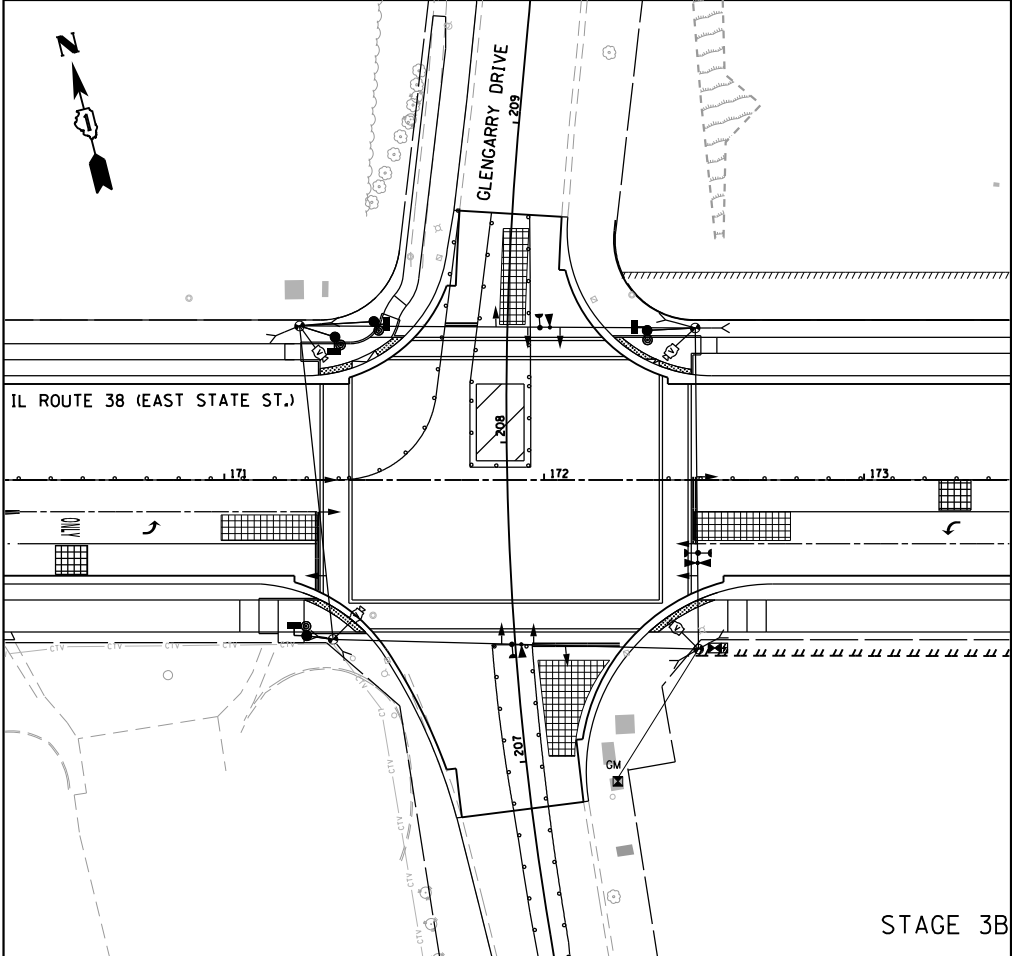
STAGE 2B



STAGE 3



STAGE 3A



STAGE 3B

FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-0000_SHT_TS_TEMP_GLENGARRY_2B-3B.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

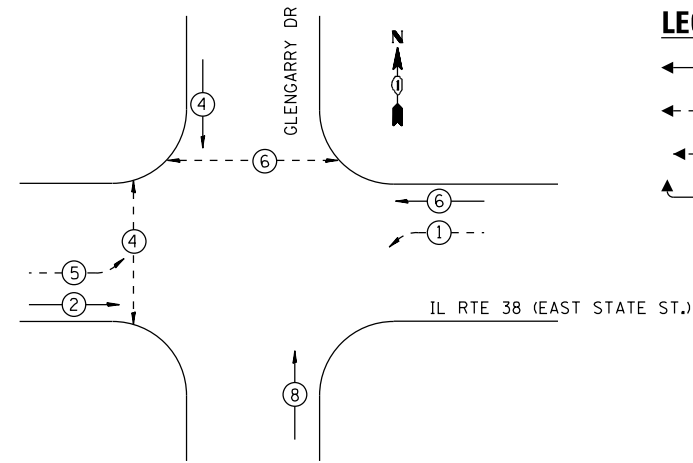
**ILLINOIS ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 2B TO FINAL**

SCALE: NTS SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	349
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 10945
EAGLE KDOT**

PROPOSED CONTROLLER SEQUENCE

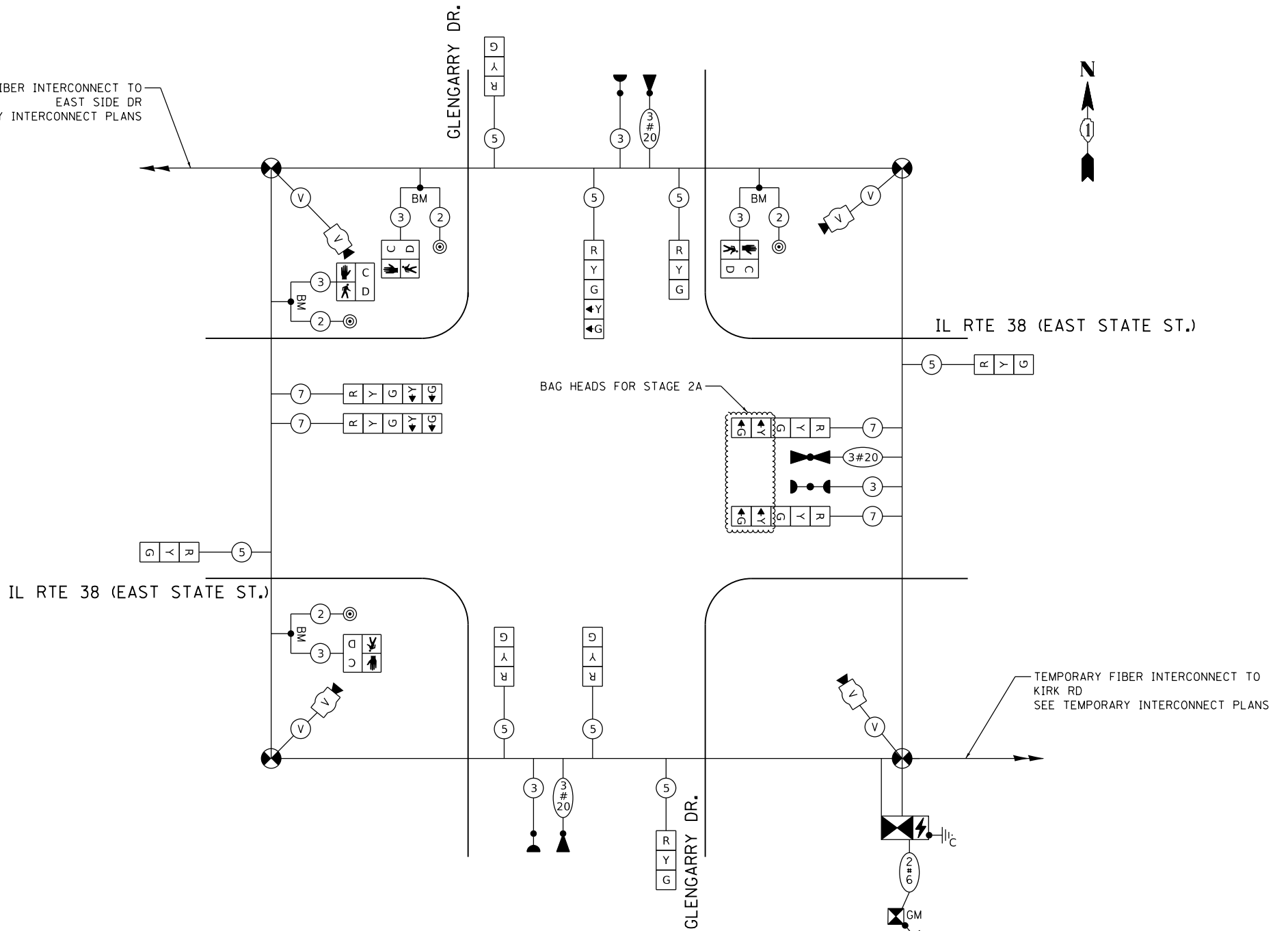
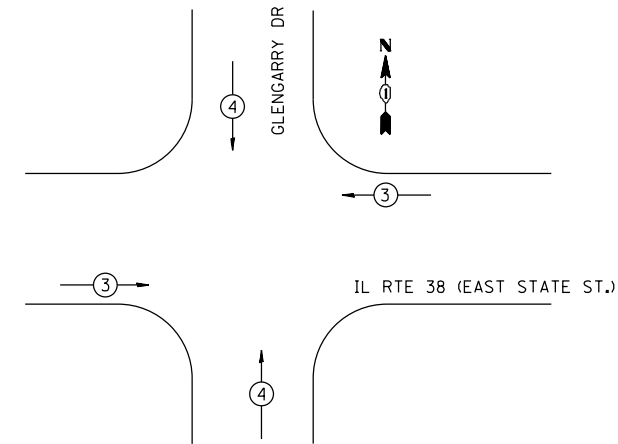


LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY FIBER INTERCONNECT TO EAST SIDE DR
SEE TEMPORARY INTERCONNECT PLANS

**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	5	13	65
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING		467	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,072	

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
01 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
PHONE: (630) 232-1503
COMPANY: CITY OF GENEVA
ACCOUNT NUMBER: ---
METER NUMBER: ---



USER NAME = tnestor
DESIGNED - GJE
DRAWN - GJE
PLOT SCALE = 100.0000' / 1in.
CHECKED - DBB
PLOT DATE = 1/13/2025
DATE - 11/7/2024

REVISOR -
REVISED -
REVISOR -
REVISED -
REVISOR -
REVISED -

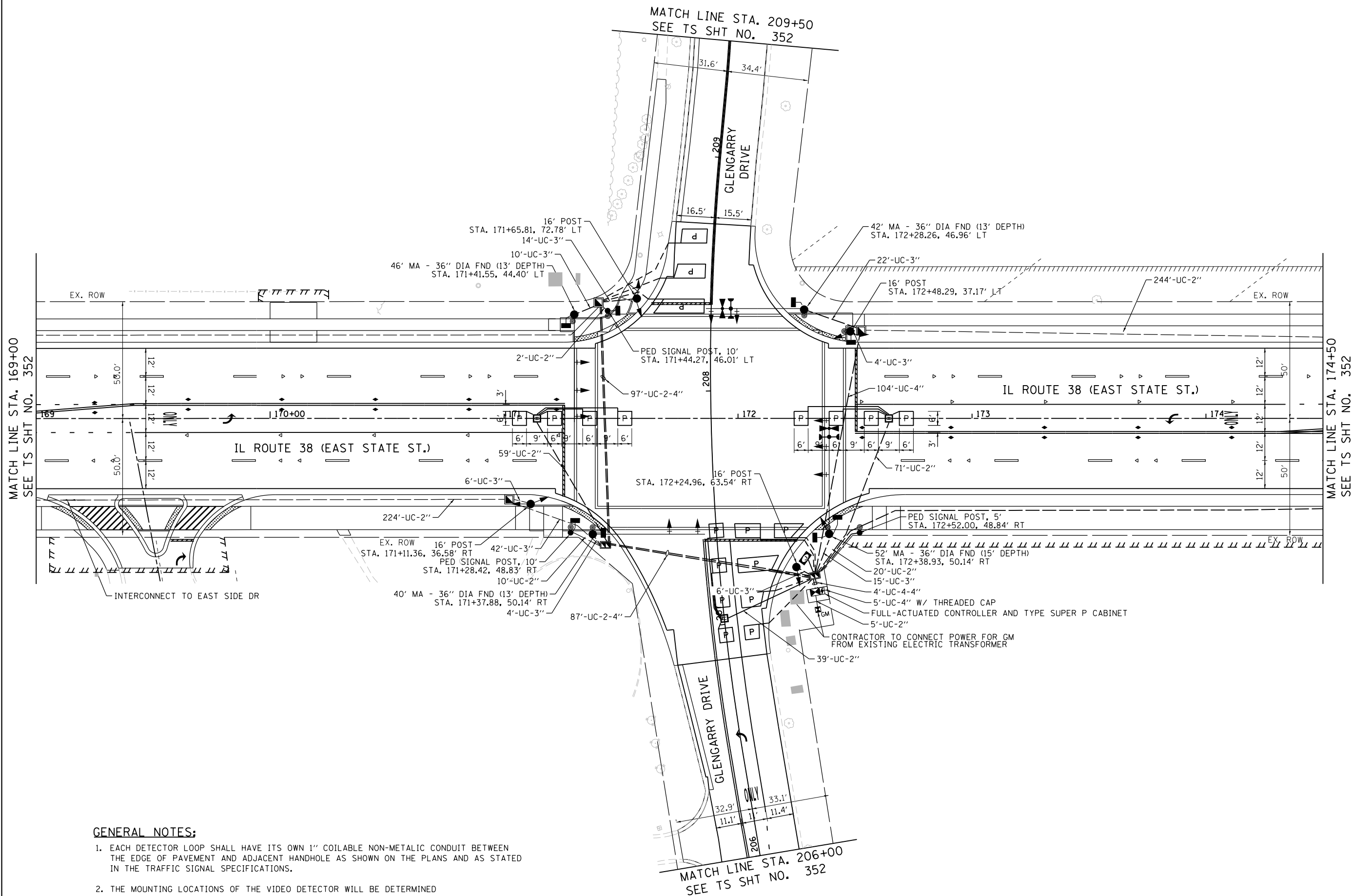
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND
TEMPORARY EMERGENCY PREEMPTION SEQUENCE - ALL STAGES

SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	350
				CONTRACT NO. 61J84

TS 10945
EAGLE KDOT



GENERAL NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTOR WILL BE DETERMINED PER THE MANUFACTURERS RECOMMENDATIONS.

FILE NAME = F:\961-000 Genevo East State St.CADD.Sheets\961-000_SHT_TS_PROP_GLENGARRY_01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

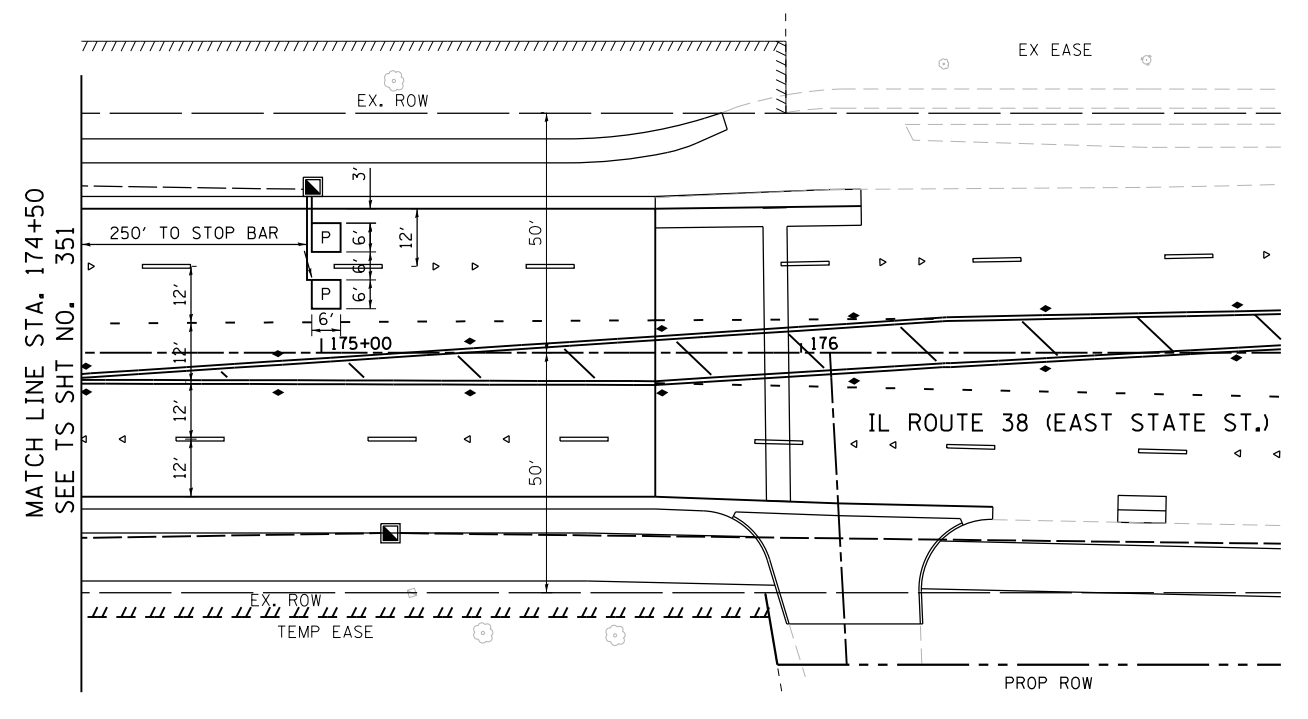
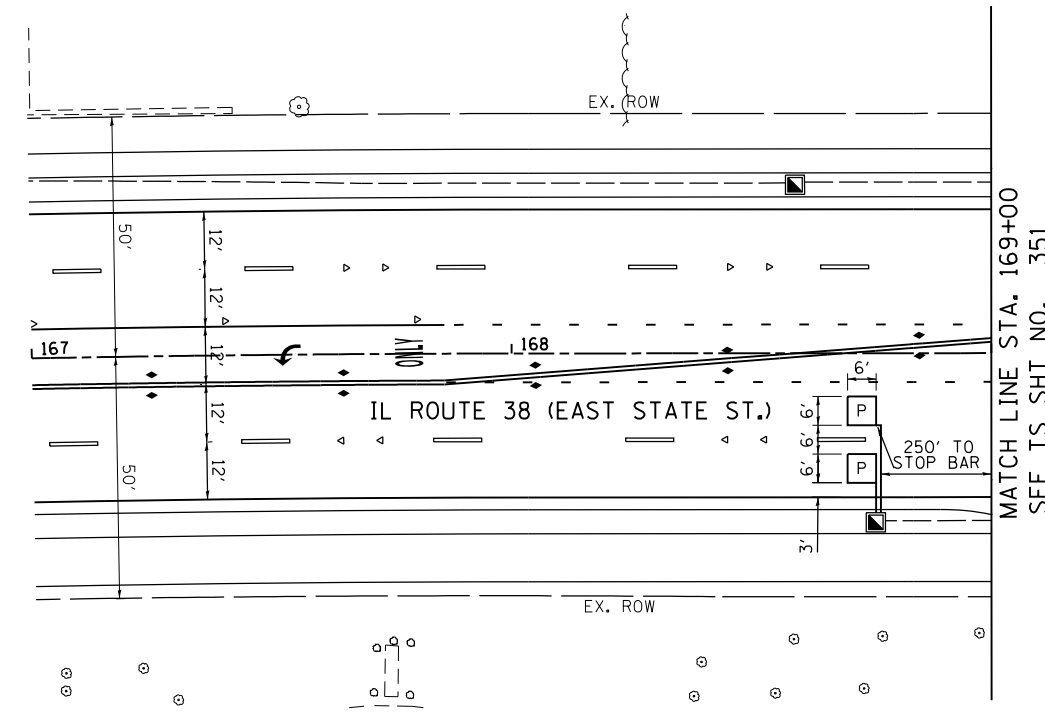
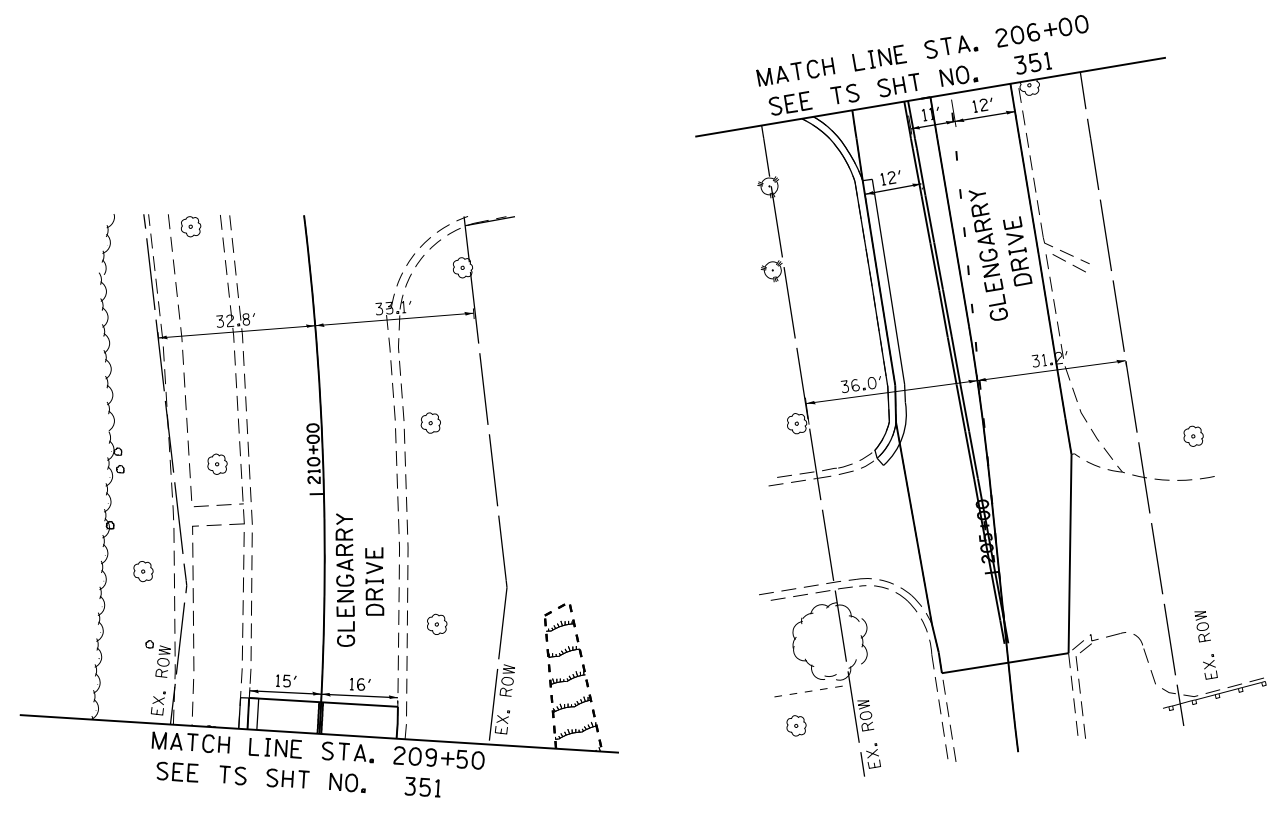
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
TRAFFIC SIGNAL INSTALLATION PLAN**

SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	351
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 10945
EAGLE KDOT**



FILE NAME = F:\961-000 Genevo Est. State St.CADD.Sheets\961-000_SHT_TS_PROP_GLENGARRY_02.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISIONS -	
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

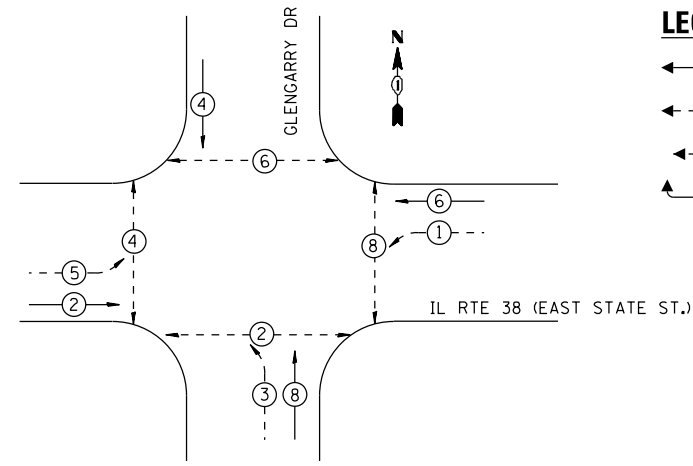
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
TRAFFIC SIGNAL INSTALLATION PLAN
SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	352
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

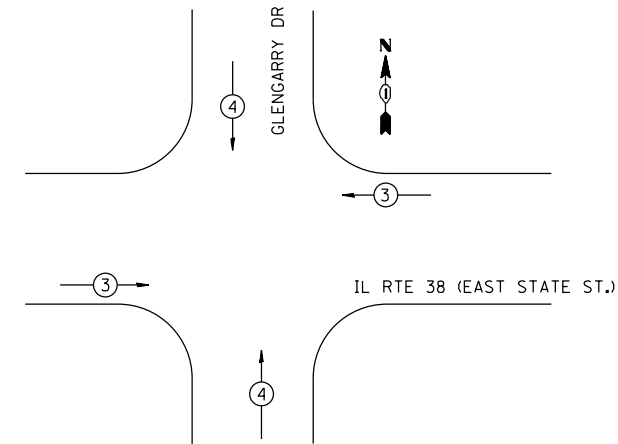
TS 10945
EAGLE KDOT

PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ⊙ — PROTECTED PHASE
 - ⊙ — PROTECTED/PERMITTED PHASE
 - ⊙ — PEDESTRIAN PHASE
 - OL — OVERLAP

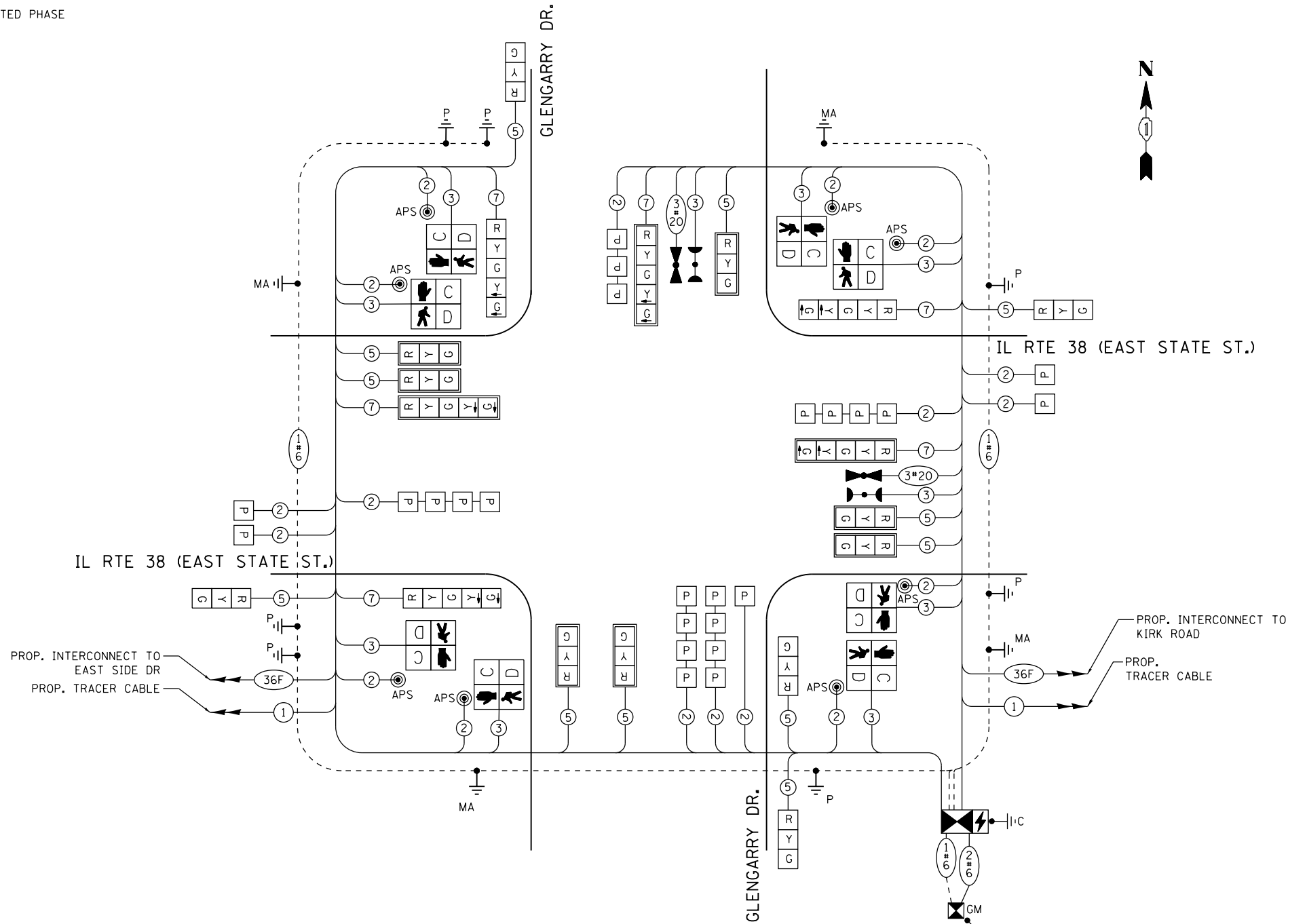
**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	142
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING		605	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,210	

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 01 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN
 PHONE: (630) 232-1503
 COMPANY: CITY OF GENEVA
 ACCOUNT NUMBER: ---
 METER NUMBER: ---



NOTES: ALL RED INDICATIONS SHALL HAVE A LENS COVER

**CABLE PLAN
(NOT TO SCALE)**



USER NAME = tnestor
 PLOT SCALE = 100.0000' / 1in.
 PLOT DATE = 1/13/2025

DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 11/7/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DRIVE
 CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
 EMERGENCY PREEMPTION SEQUENCE

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

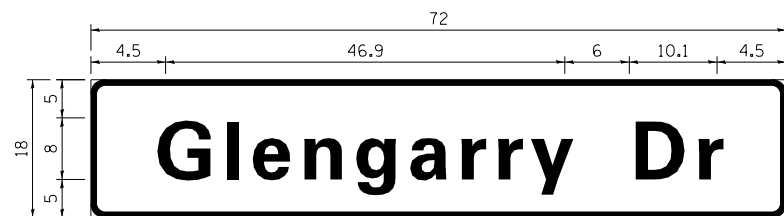
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	353
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

TS 10945
 EAGLE KDOT

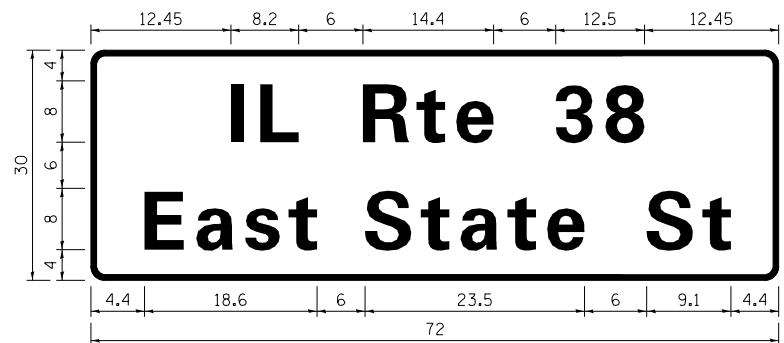
FILE NAME = F:\961-000 Geneva East State St.CADD_Sheets\961-000_SHT_TS_CABLE_GLENGARRY.dgn

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

ITEM	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	18
SIGN PANEL - TYPE 2	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	674
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	123
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	493
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	7
PAINT NEW MAST ARM AND POLE, 40 AND OVER	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1151
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1803
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2035
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1215
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1320
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	14
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	580
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	10
LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
* TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318
* OUTDOOR RATED CABLE	FOOT	397
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
TRAFFIC SIGNAL POST, 10 FT	EACH	2
TRAFFIC SIGNAL POST, 5 FT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	18
PREFORMED DETECTOR LOOP	FOOT	1135
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COSTS TO THE CITY OF GENEVA

FILE NAME = FA\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_15_GLENGARRY_SIGN_S00.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

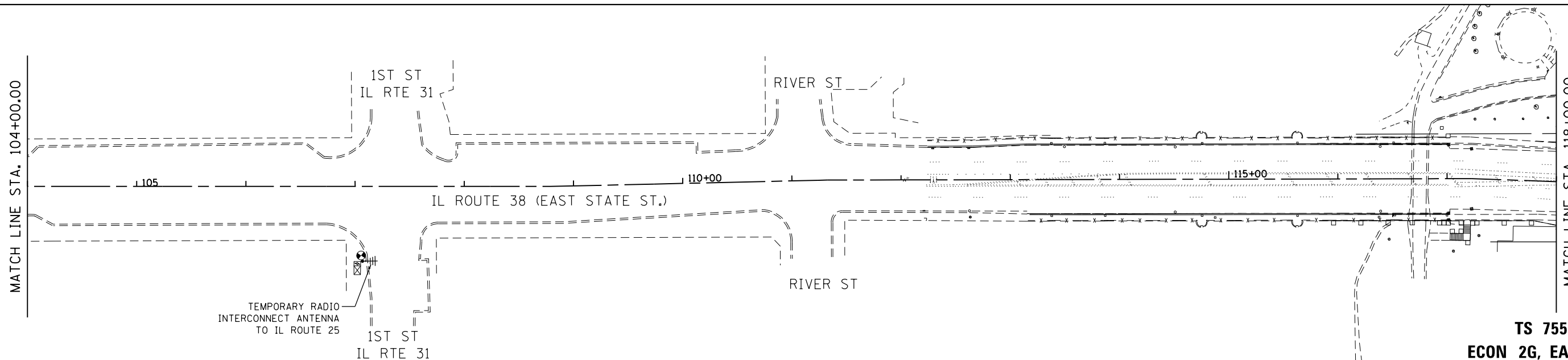
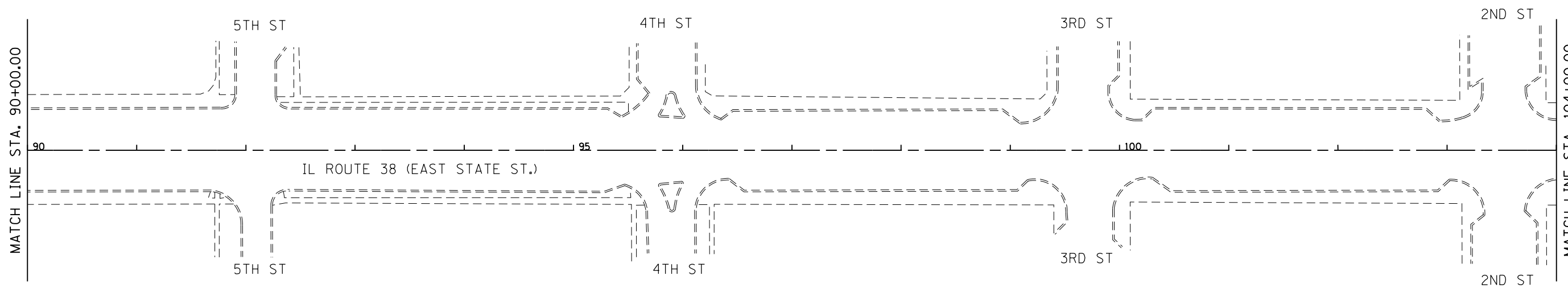
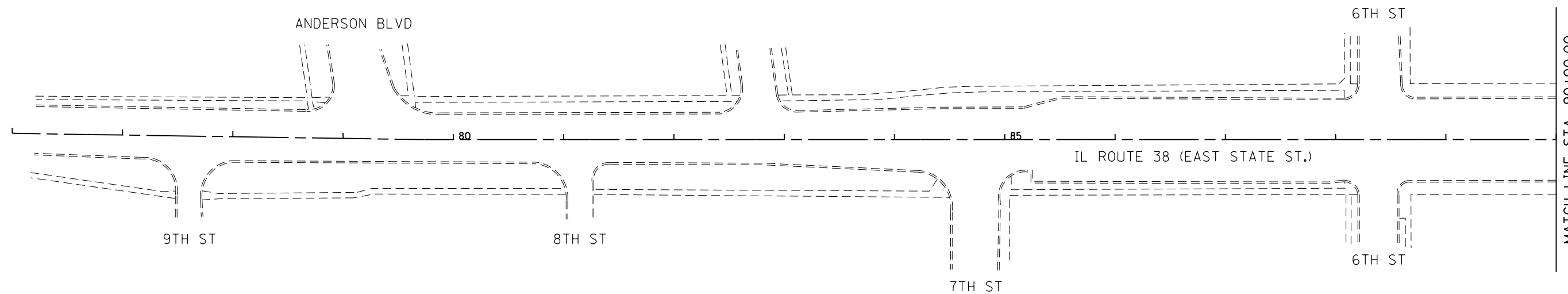
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.) AT GLENGARRY DR.
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	354
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

TS 10945
EAGLE KDOT



FILE NAME = F:\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_TS_TEMP_INTERCON_01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

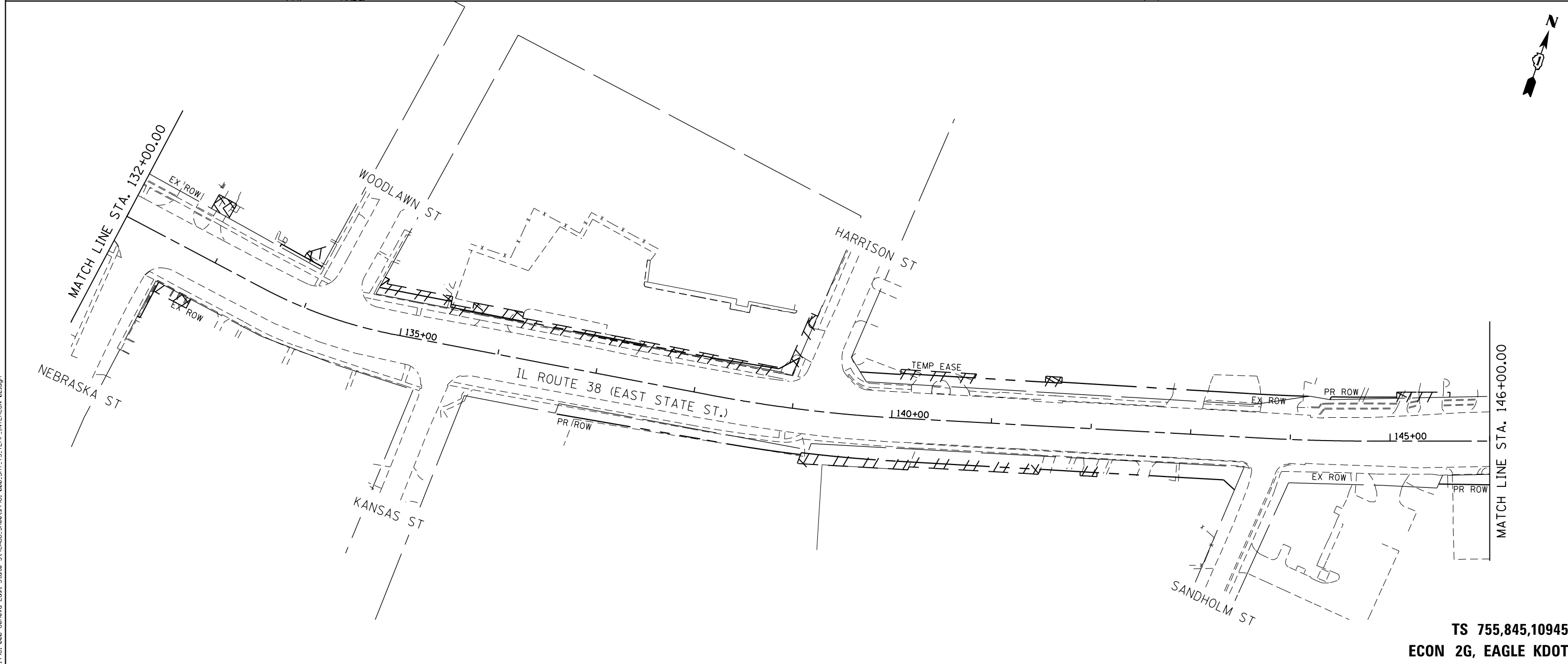
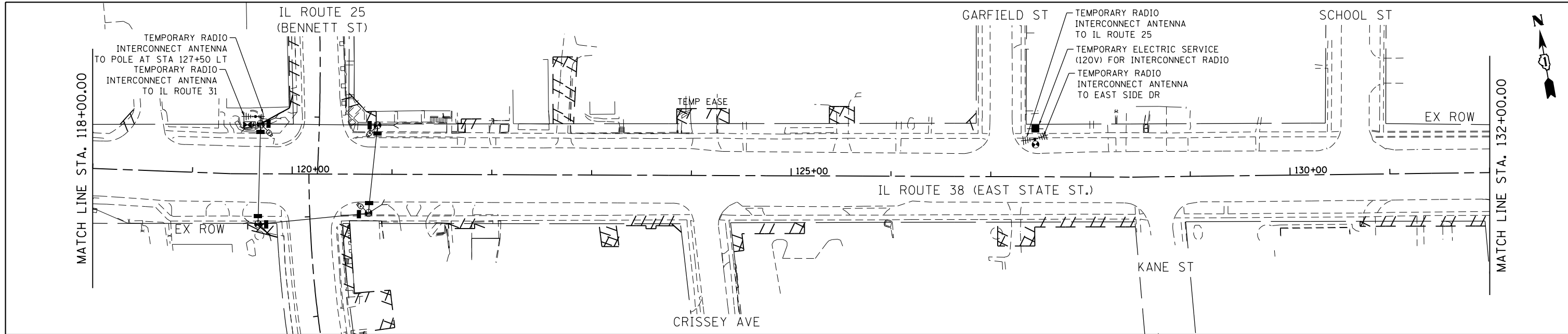
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
TEMPORARY INTERCONNECT PLAN (SYSTEM NO. XX)**

SCALE: 1"=100' SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	355
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755,845,10945
ECON 2G, EAGLE KDOT**



FILE NAME = F:\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_15_TEMP_INTERCON 02.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

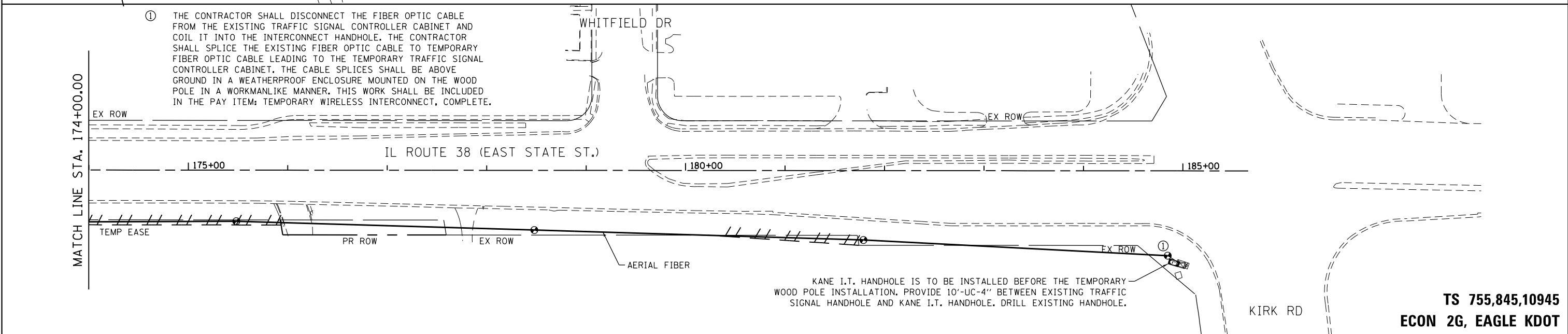
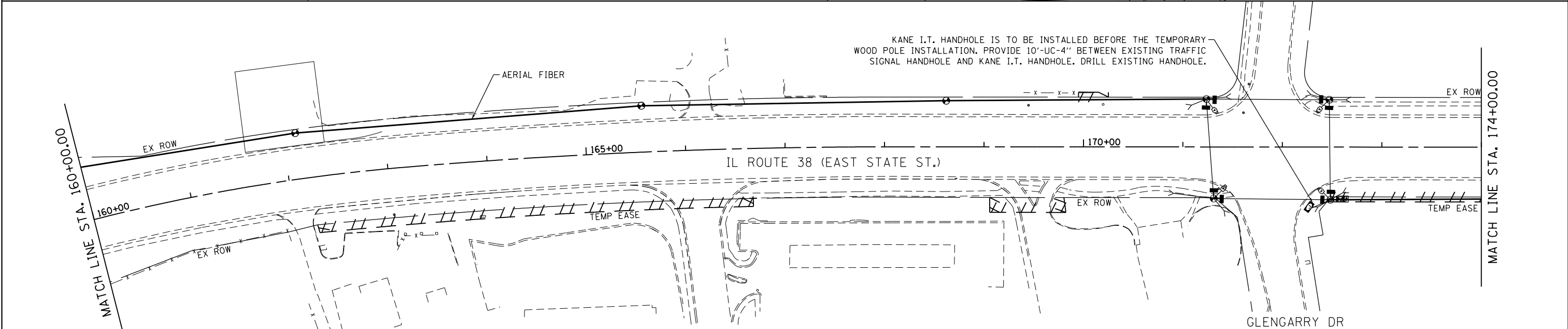
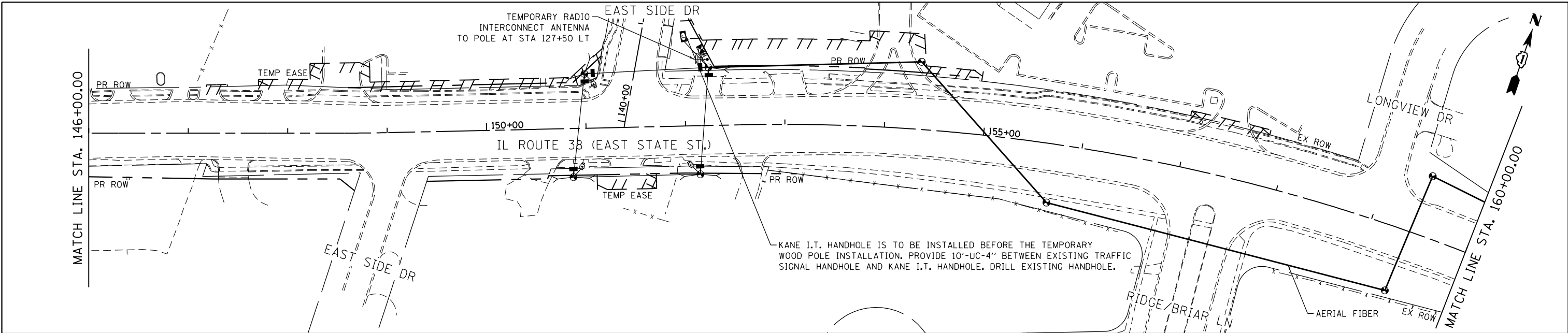
**IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
TEMPORARY INTERCONNECT PLAN (SYSTEM NO. XX)**

SCALE: 1"=100' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	356
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755,845,10945
ECON 2G, EAGLE KDOT**

FILE NAME = FA\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_TS_TEMP_INTERCON.03.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

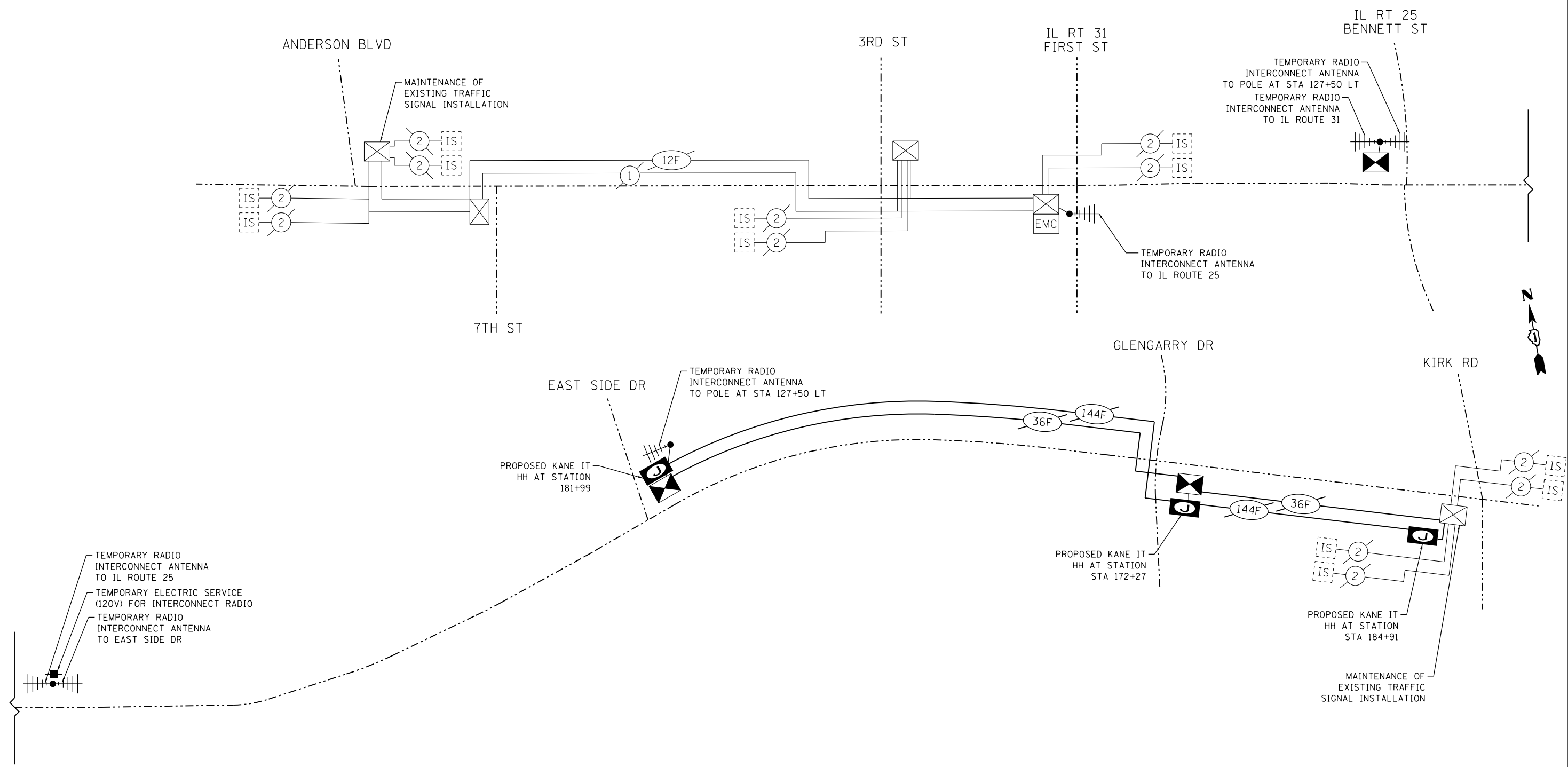
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
TEMPORARY INTERCONNECT PLAN (SYSTEM NO. XX)**

SCALE: 1"=100' SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	357
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755,845,10945
ECON 2G, EAGLE KDOT**



FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_15_Temp_INTERCONN_Schematic.dgn

TS 755,845,10945
ECON 2G, EAGLE KDOT



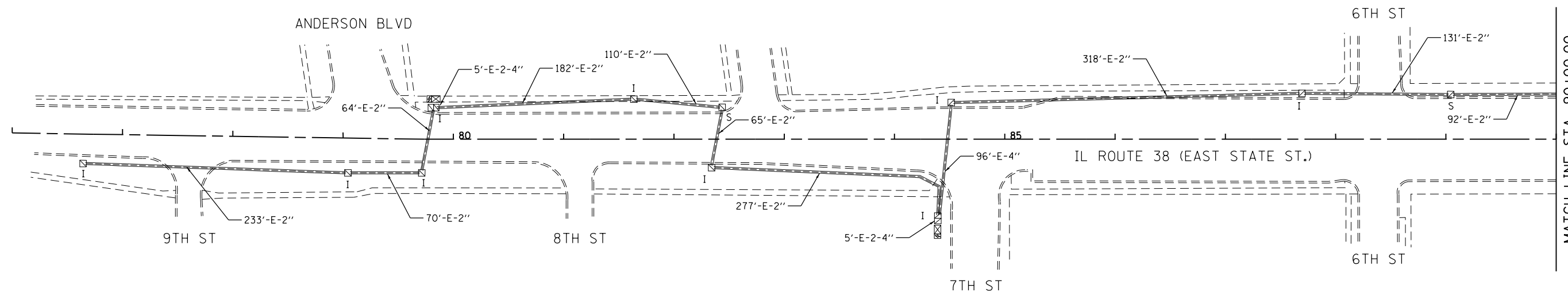
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	DRAWN - GJE	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

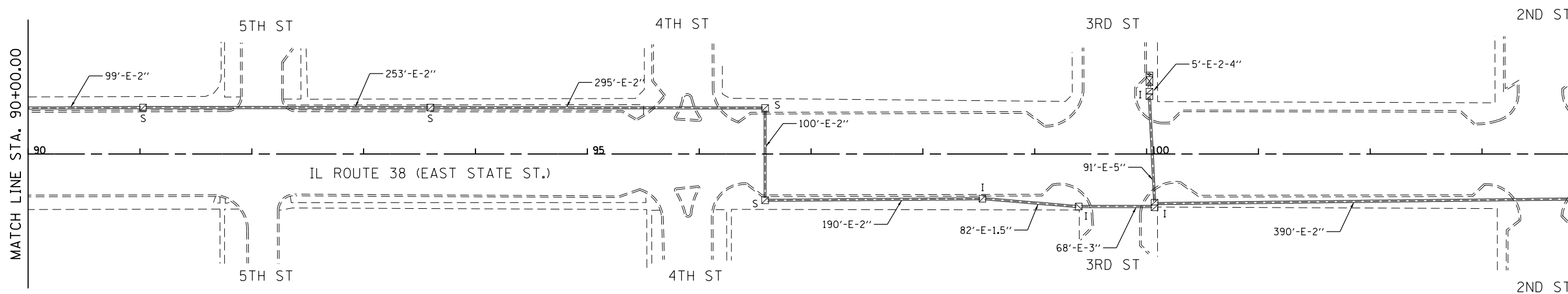
IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
TEMPORARY INTERCONNECT SCHEMATIC (SYSTEM NO. XX)

SCALE: 1"=200' SHEET 4 OF 8 SHEETS STA. TO STA.

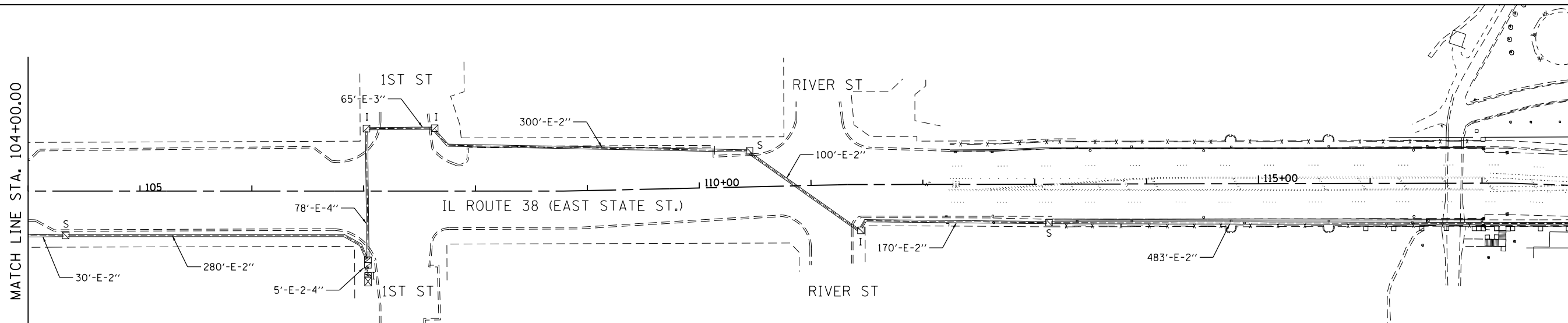
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	358
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 90+00.00



MATCH LINE STA. 104+00.00



MATCH LINE STA. 118+00.00

FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-0000_SHT_TS_INTERCON 01.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

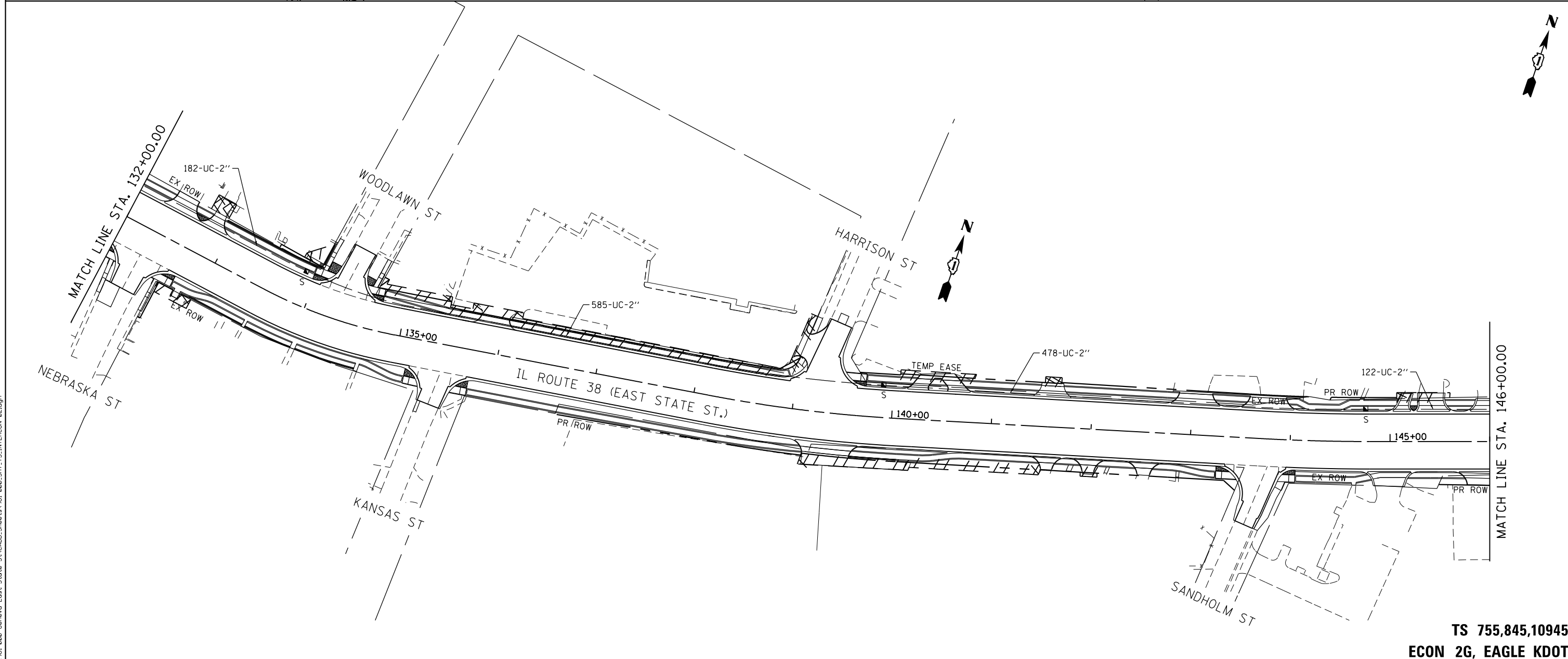
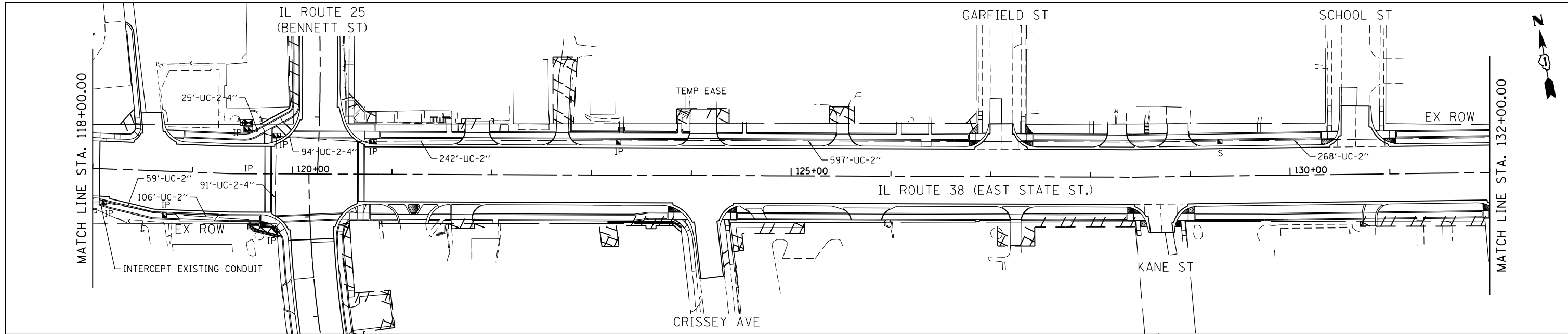
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
INTERCONNECT PLAN (SYSTEM NO. XX)

SCALE: 1"=100' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	359
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

TS 755,845,10945
ECON 2G, EAGLE KDOT



FILE NAME = FA\961-000 Genevo East State St\CAADD_Sheets\961-000_SHT_TS_INTERCON 02.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

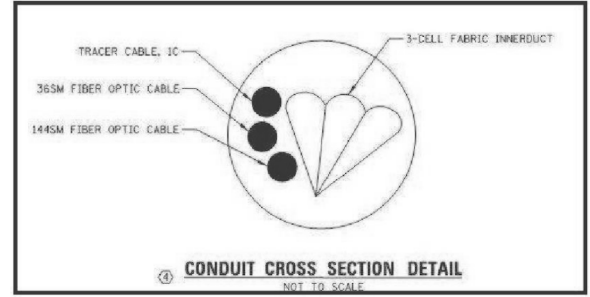
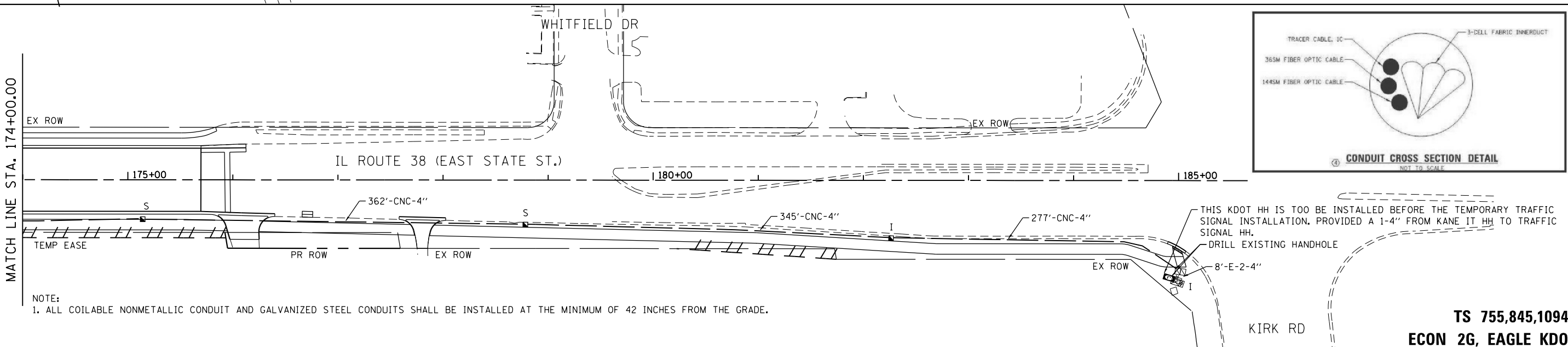
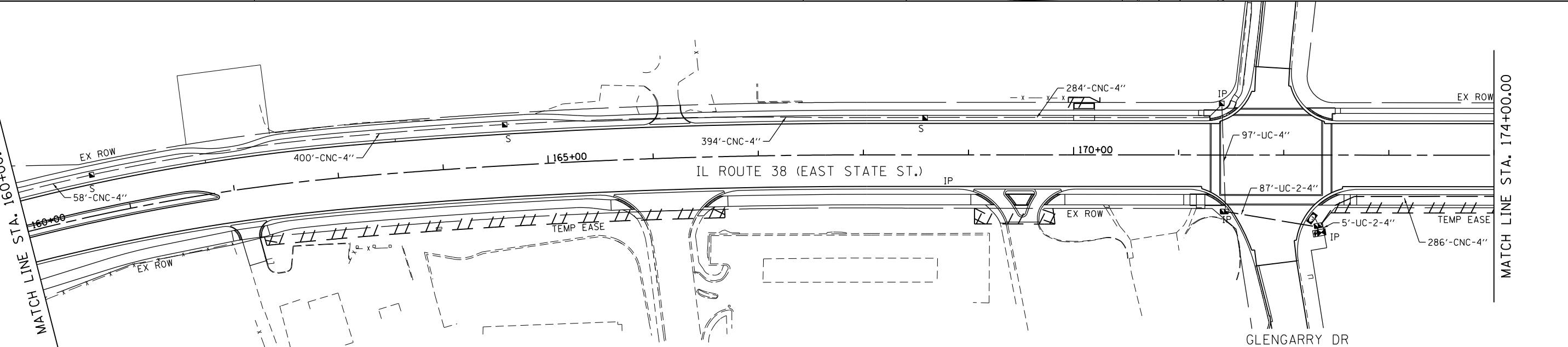
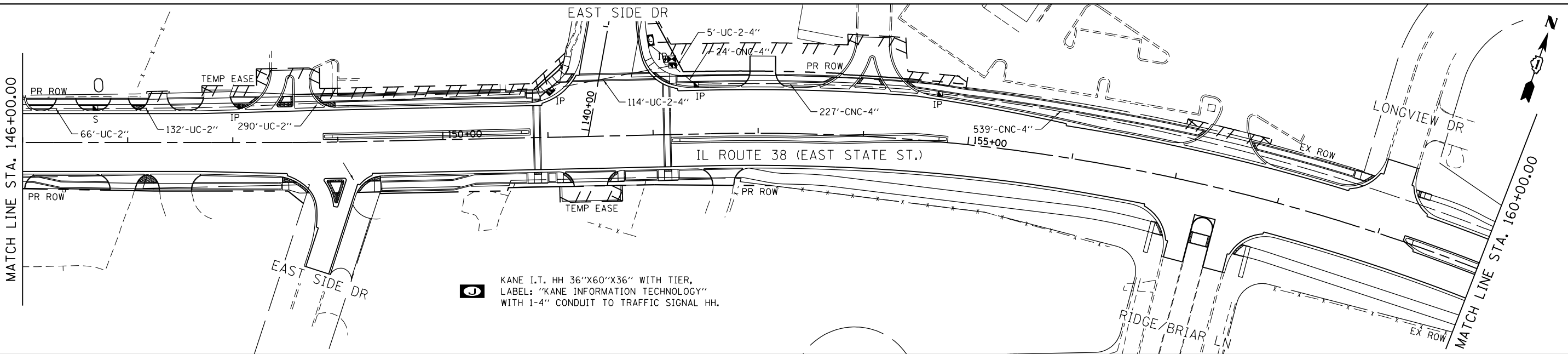
**IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
INTERCONNECT PLAN (SYSTEM NO. XX)**

SCALE: 1"=100' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	360
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

**TS 755,845,10945
ECON 2G, EAGLE KDOT**

FILE NAME = F:\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_TS_INTERCON.03.dgn



NOTE:
1. ALL COILABLE NONMETALLIC CONDUIT AND GALVANIZED STEEL CONDUITS SHALL BE INSTALLED AT THE MINIMUM OF 42 INCHES FROM THE GRADE.

TS 755,845,10945
ECON 2G, EAGLE KDOT



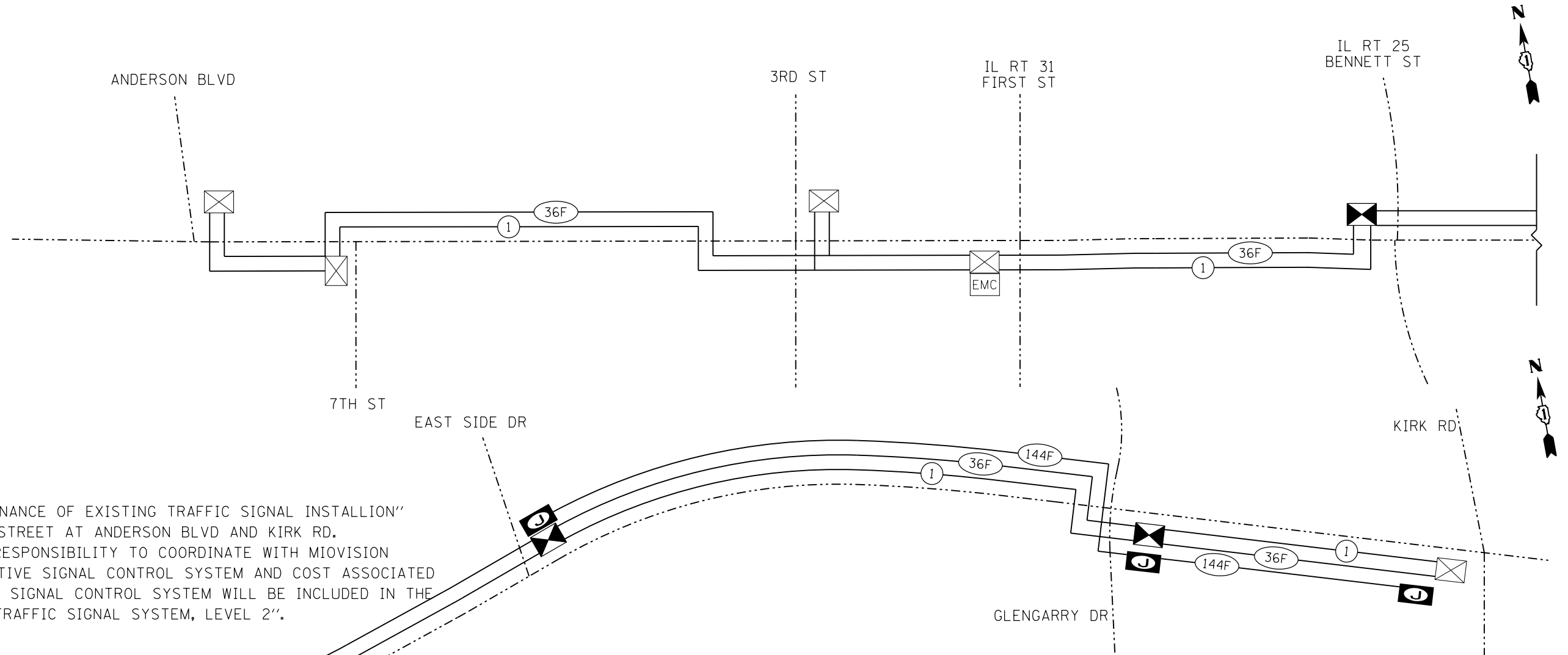
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DRAWN - GJE	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
INTERCONNECT PLAN (SYSTEM NO. XX)

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	361
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



NOTE:
 1. THE PAY ITEM OF "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLION" SHALL INCLUDE EAST STATE STREET AT ANDERSON BLVD AND KIRK RD.
 2. IT IS SCAT CONSULTANT RESPONSIBILITY TO COORDINATE WITH MIOVISION SURTRAC FOR EXISTING ADAPTIVE SIGNAL CONTROL SYSTEM AND COST ASSOCIATED WITH THE EXISTING ADAPTIVE SIGNAL CONTROL SYSTEM WILL BE INCLUDED IN THE PAY ITEM OF "RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2".

ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4413
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	3196
HANDHOLE	EACH	12
HANDHOLE, COMPOSITE CONCRETE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11891
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12407
REMOVE EXISTING HANDHOLE	EACH	16
NETWORK CONFIGURATION	L SUM	1
LAYER II (DATA LINK) SWITCH	EACH	2
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	3528
FIBER OPTICS CABLE 144 FIBERS, SINGLE MODE	FOOT	3528
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM36F	FOOT	8364
TEMPORARY INTERCONNECT	L SUM	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3
THREE-CELL FABRIC INNERDUCT	FOOT	3196

FILE NAME = FA\961-000 Genevo East State St.CADD_Sheets\961-000_SHT_TS_INTERCON Schematic.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 (EAST STATE ST.)
ANDERSON BLVD. TO KIRK RD.
INTERCONNECT SCHEMATIC (SYSTEM NO. XX)

SCALE: 1"=200' SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 362
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	

TS XXX
EAGLE XX OR ECON XX

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2673
* 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	100
* 82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	66
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	462
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	64
84200804	REMOVAL OF POLE FOUNDATION	EACH	65
* X8250500	LIGHTING UNIT COMPLETE (SPECIAL)	EACH	66
* X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
* XP000179	GROUND ROD, 8' COPPER CLAD	EACH	1
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24
xxxxxxx	UNIT DUCT, 600V, 2-1C NO. 2, 4-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	12675

* REQUIRES SPECIAL PROVISION

LEGEND:

	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED
	PROPOSED LIGHTING UNIT
	UNIT DUCT, 600V, 2-1C NO. 2, 4-1/C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
	RELOCATED LIGHTING CONTROLLER
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
	EXISTING LIGHTING CONTROLLER
	GROUND ROD

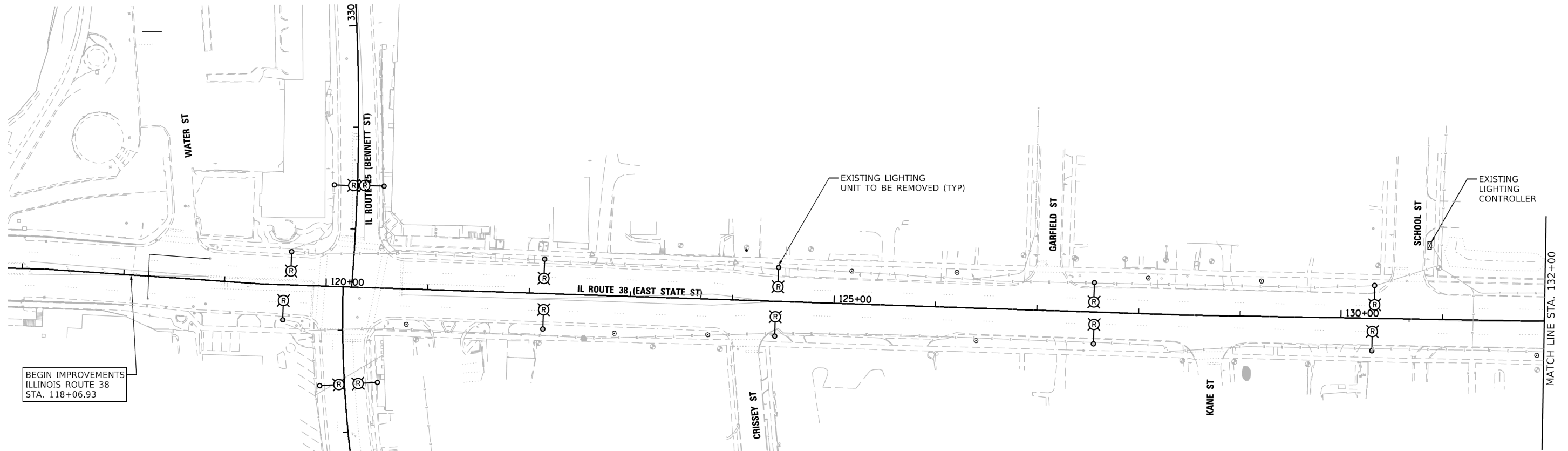
NOTES:

1. WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED.
2. THE CONTRACTOR SHALL CONSULT WITH RESIDENT ENGINEER IN THE FIELD, AND FINALIZE ALL EXISTING ROADWAY LIGHTING ITEMS TO REMAIN, TO BE REMOVED AND INSTALL.
3. THE RESPONSIBILITY FOR COORDINATING FINISHED SIDEWALK ELEVATIONS WITH THE TOP OF THE FOUNDATIONS HEIGHTS SHALL REMAINS WITH THE CONTRACTOR.
4. THE CONTRACTOR SHALL SUBMIT FOR RESIDENT ENGINEER'S REVIEW WITHIN 30 DAYS OF CONTRACT EXECUTION DATA AND DETAIL SHOP DRAWINGS :
 - a. TRENCH, ELECTRICAL WARNING TAPE
 - b. FOUNDATION: CONCRETE MIX, RACEWAYS, ANCHOR BOLTS WITH NUTS & WASHERS.
 - c. CONDUIT: CONDUIT AND CONDUIT FITTINGS, BONDING COMPOUND
 - d. GROUND ROD: GROUND ROD, COPPER WIRE, EXOTHERMIC WELD.
 - e. UNIT DUCT/CABLES
 - f. ELECTRIC CABLES
 - g. ELECTRIC TAPES, QUICK DISCONNECT, FUSE AND LAMP.
 - h. LIGHT POLES/ARM: DETAILS SHOP DRAWING, WIND LOAD CALCULATIONS (SHALL BE REVIEWED BY CONSULTANT CIVIL ENGINEER)
 - i. LUMINAIRE: LUMINAIRE WITH BALLAST ASSEMBLY OR DRIVER
5. ELECTRIC CABLE INSULATION SHALL BE FULLY PIGMENTED COLOR CODED AS SPECIFIED.
6. FINISH PAINT:
THE PAINT COLOR AND FINISH SHALL BE POWDER COATED. FOR THE LIGHT POLE AND LUMINAIRE THE CITY OF GENEVA SHALL APPROVE THE PAINT COLOR AND FINISH.
7. LIGHT POLE FOUNDATION HOLE,
EACH HOLE FOR THE FOUNDATIONS SHALL BE INSPECTED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE FOUNDATIONS.
8. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF FULL SIZED COMPLETE AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT. THE RECORD DRAWINGS SHALL BE UPDATED ON A REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "RESPONSIBLE RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST SEVEN (7) DAYS BEFORE SCHEDULING A FINAL INSPECTION.
9. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (1-800-892-0123) TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
10. THE CONTRACTOR SHALL NOTIFY IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE AND MARK/STAKE SIGNAL INTERCONNECT.
11. THE CONTRACTOR SHALL GIVE IN WRITING TO THE ENGINEER FOR REVIEW, CONSTRUCTION STAGING FOR THE PROPOSED ROADWAY LIGHTING WORK, AND THE CONTRACTOR SHALL OBTAIN PRIOR WRITTEN APPROVAL FROM THE RESIDENT ENGINEER.
12. THE LIGHT POLE SETBACK:
VARIES: MEASURED FROM BACK OF CURB TO THE CENTER OF POLE.
13. RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND CONTRACT DOCUMENTS.
14. THE CONTRACTOR SHALL CHISEL ARROWS LOCATING ALL CONDUIT CROSSINGS ACROSS ROADWAYS. THE CHISEL MARKS SHALL BE ON THE CURB.
15. ALL STREET CROSSINGS SHALL HAVE GALVANIZED STEEL CONDUIT OF THE SIZE INDICATED PUSHED BENEATH THEM. PAYMENT SHALL BE LIMITED TO THE ACTUAL WIDTH PLUS TWO FEET. LENGTH OF CONDUIT SHALL BE THE WIDTH OF ROAD PLUS 4-FEET (EXTEND 2-FEET BEYOND ROAD, ON EACH SIDE)
16. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
17. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
18. LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE LUMINAIRE PAY ITEM.
19. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT.
 - B. "THE NATIONAL ELECTRICAL CODE"
 - C. MUNICIPAL CODES & STANDARDS
20. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
21. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES, CALL GENEVA ELECTRIC FOR LOCATION APPROVAL.
22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
23. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
24. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING LIGHT POLE FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST TO RELOCATE THE FOUNDATION. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
25. GROUND RODS SHALL BE FURNISHED AND INSTALLED AS REQUIRED FOR THE LIGHTING CONTROLLER TO BE REMOVED AND RELOCATED.

LT-01

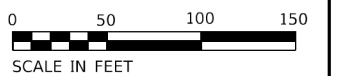
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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = srahman	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, LEGEND AND SCHEDULE OF QUANTITIES IL ROUTE 38 (EAST STATE STREET)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - SR	REVISD -	0347					05-00102-00-PV	KANE	488	363	
	PLOT SCALE = 101.9468' / in.	CHECKED - BL	REVISED -		CONTRACT NO. 61J84							
	PLOT DATE = 7/11/2024	DATE - 05-29-2024	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT



NOTE:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.



LT-02

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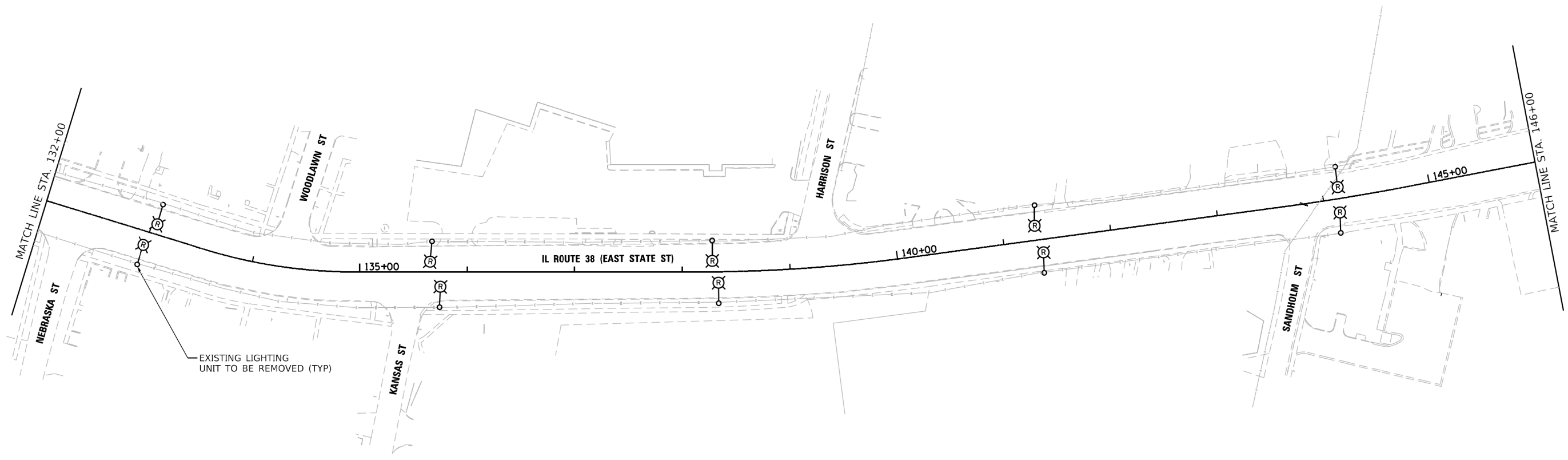
AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = srahman	DESIGNED - MH	REVISED -
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PLOT SCALE = 101.9468' / in.	DATE - 05-29-2024	REVISED -
PLOT DATE = 7/11/2024		

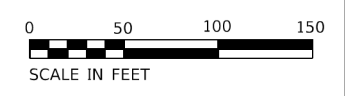
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING LIGHTING REMOVAL PLAN IL ROUTE 38 (EAST STATE STREET)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00102-00-PV	KANE	488	364
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



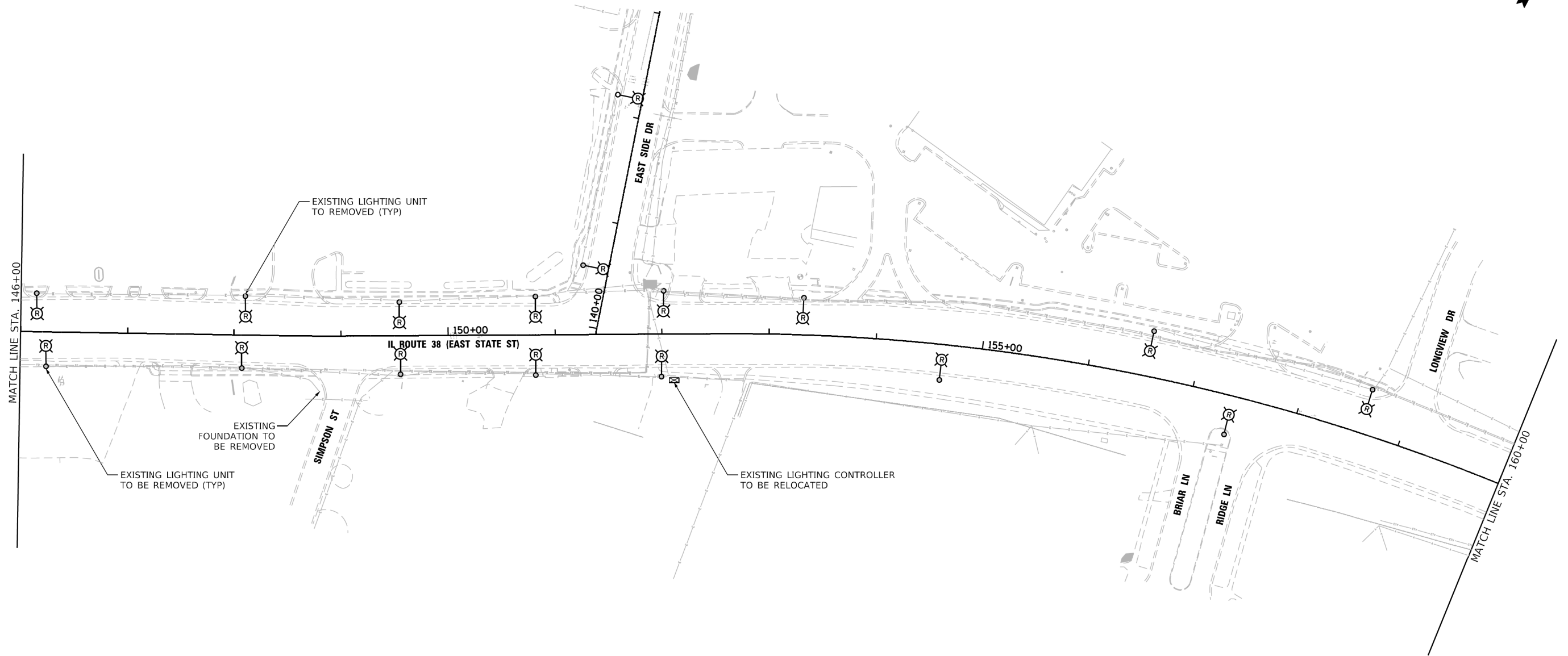
NOTE:
1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.



LT-03

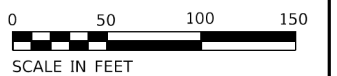
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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = srahman	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL PLAN IL ROUTE 38 (EAST STATE STREET)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE - 05-29-2024	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: 1" = 50'		SHEET	OF	SHEETS	STA.	TO STA.		



NOTES:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES
2. THE CONTRACTOR SHALL CONTACT THE THE CITY OF GENEVA TO COORDINATE THE ELECTRIC SERVICE WORK REQUIRED WHEN RELOCATING EXISTING CONTROLLER.



LT-04

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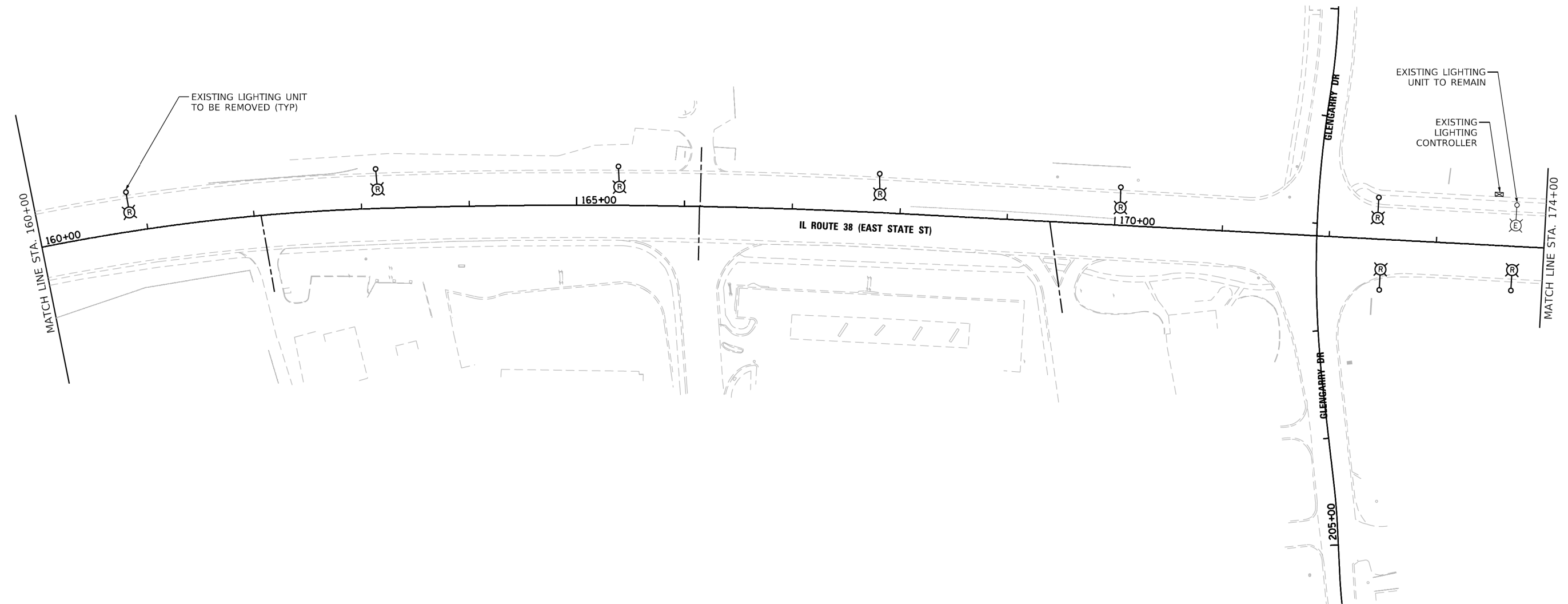
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USER NAME = srahman	DESIGNED - MH	REVISED -
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PLOT SCALE = 101.9468' / in.	DATE - 05-29-2024	REVISED -
PLOT DATE = 7/11/2024		

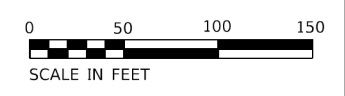
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING LIGHTING REMOVAL PLAN IL ROUTE 38 (EAST STATE STREET)			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00102-00-PV	KANE	488	366
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	



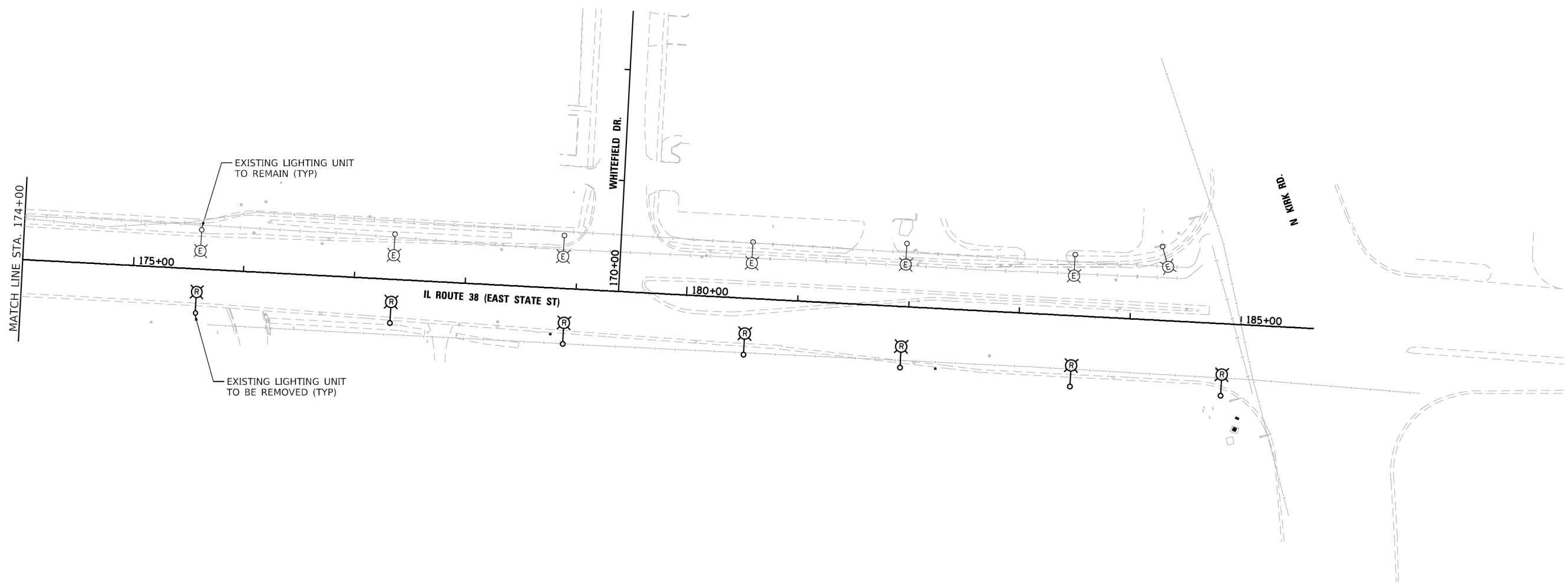
NOTE:
1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.



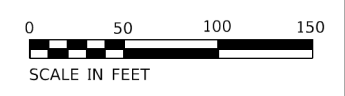
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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = srahman	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL PLAN IL ROUTE 38 (EAST STATE STREET)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/11/2024					ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.				



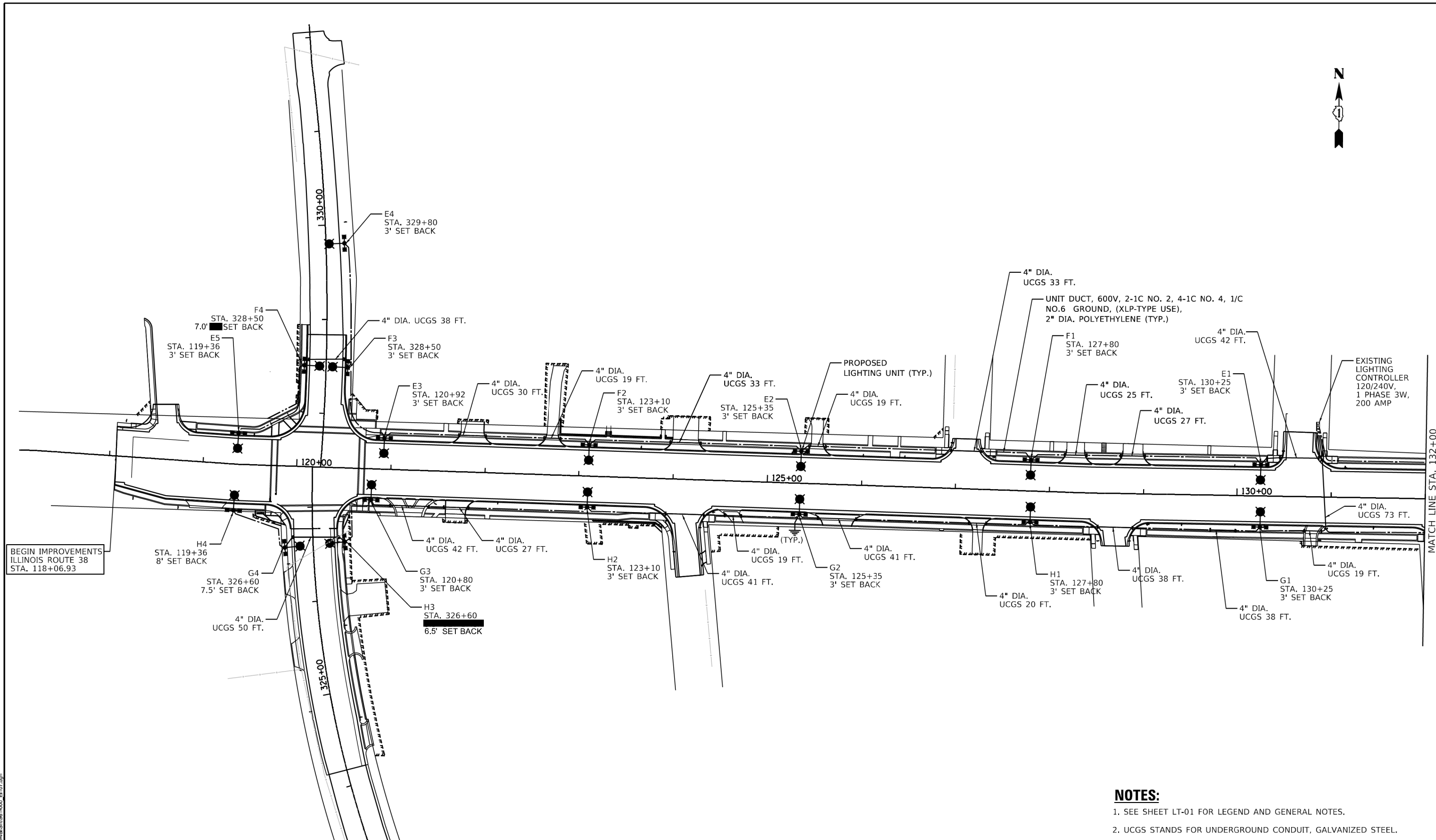
NOTE:
1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.



LT-06

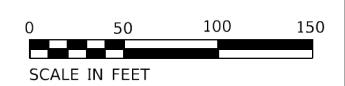
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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = srahman	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING REMOVAL PLAN IL ROUTE 38 (EAST STATE STREET)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 7/11/2024	REVISED -							ILLINOIS FED. AID PROJECT				



NOTES:

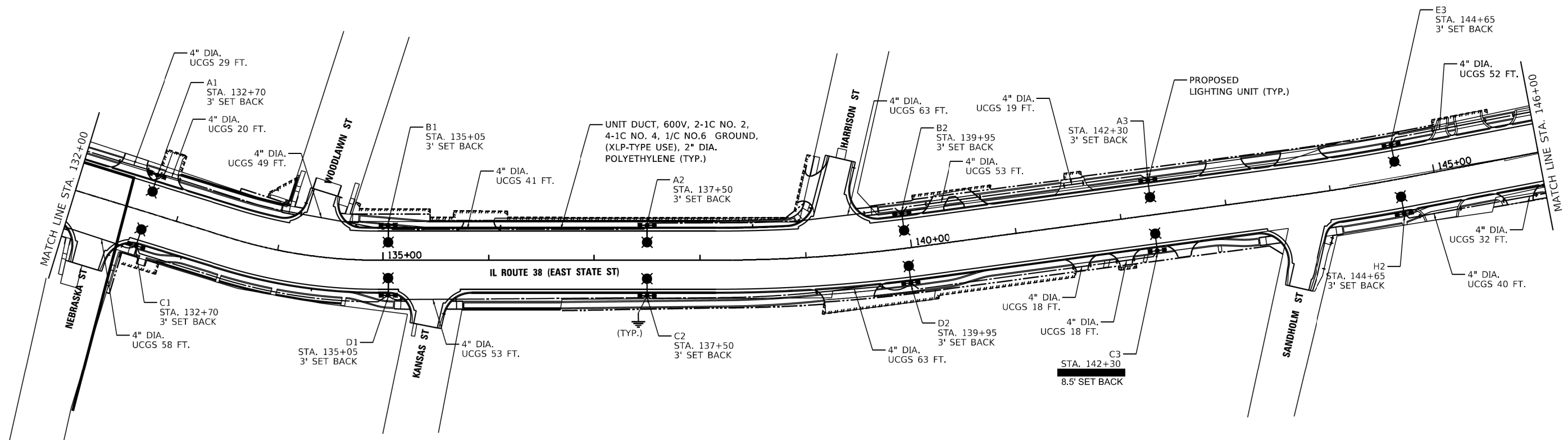
1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM BACK OF CURB TO CENTER OF LIGHT POLE.



LT-07

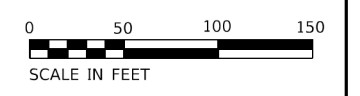
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<p>AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516</p>	USER NAME = srahman	DESIGNED - MH	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PROPOSED LIGHTING PLAN IL ROUTE 38 (EAST STATE STREET)</p>			F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 369
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	PLOT DATE = 7/11/2024	DATE - 05-29-2024	REVISIED -		ILLINOIS FED. AID PROJECT							



NOTES:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM BACK OF CURB TO CENTER OF LIGHT POLE.



LT-08

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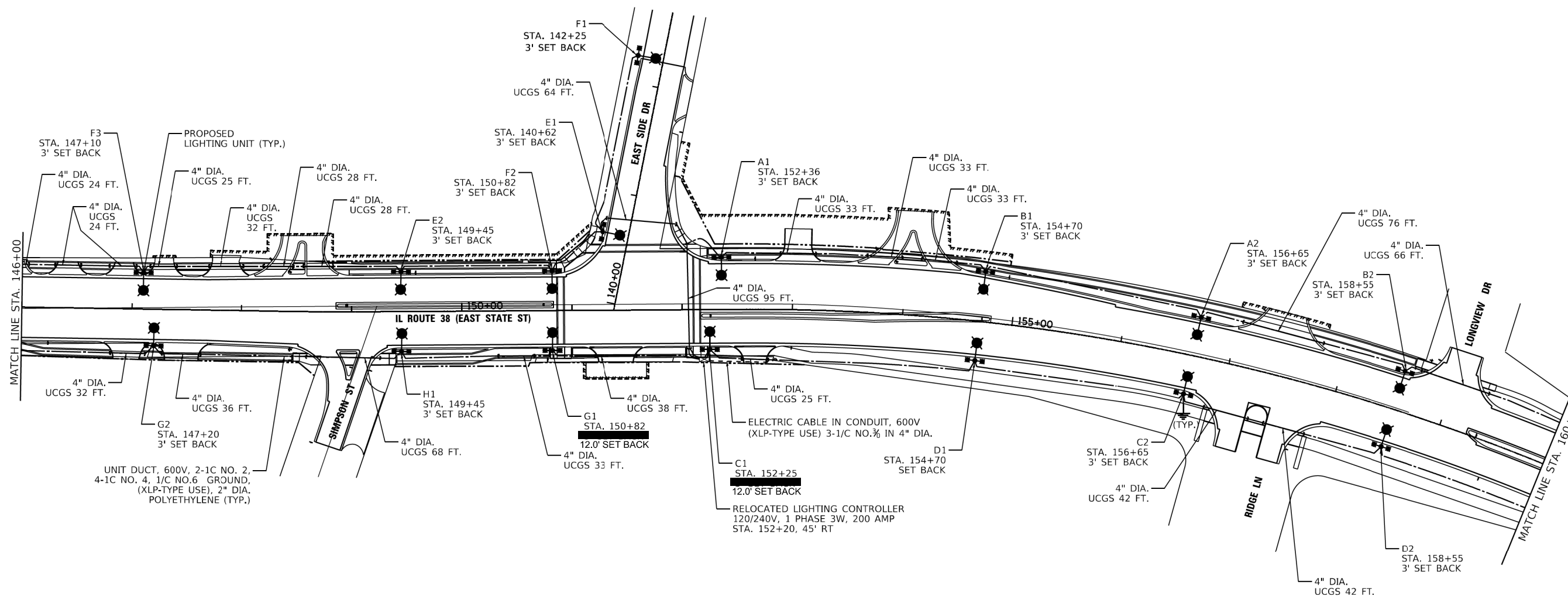
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PLOT DATE = 7/11/2024	CHECKED - BL	REVISED -
	DATE - 05-29-2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
IL ROUTE 38 (EAST STATE STREET)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	370
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM BACK OF CURB TO CENTER OF LIGHT POLE.



LT-09

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6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= srahman
PLOT SCALE	= 101.9468' / in.
PLOT DATE	= 7/11/2024

DESIGNED	- MH
DRAWN	- SR
CHECKED	- BL
DATE	- 05-29-2024

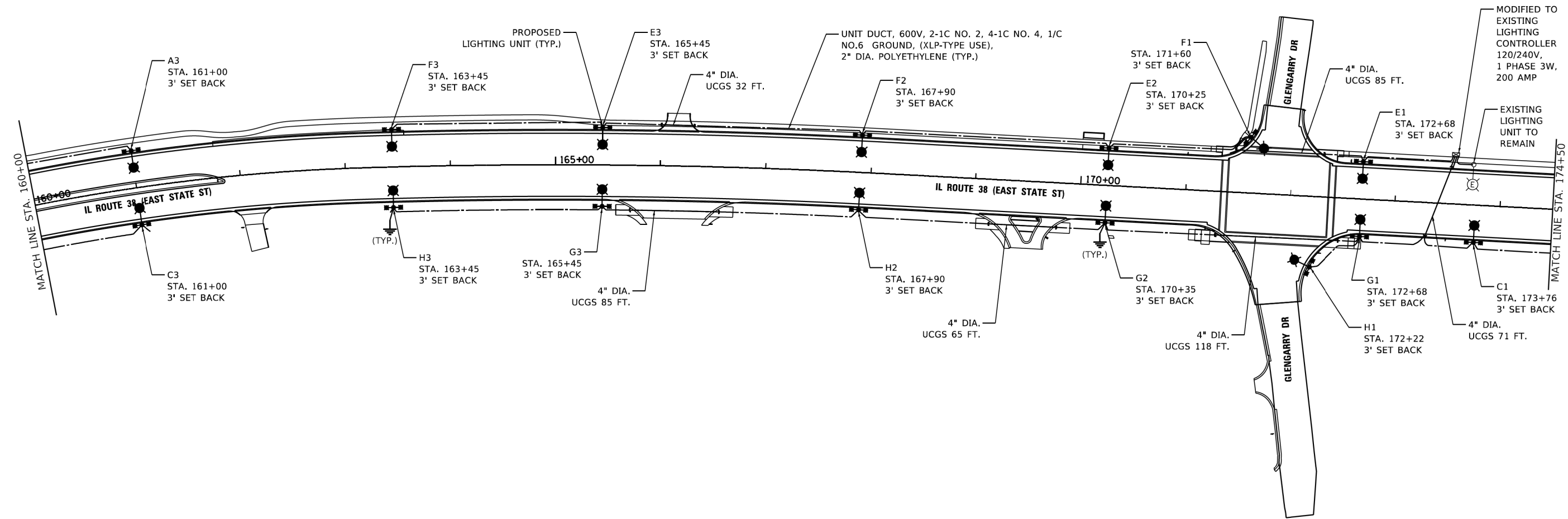
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REVISED	-
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
IL ROUTE 38 (EAST STATE STREET)**

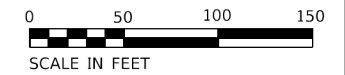
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	371
CONTRACT NO. 61J84				
ILLINOIS		FED. AID PROJECT		



NOTES:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM BACK OF CURB TO CENTER OF LIGHT POLE.
4. THE EXISTING LIGHTING CONTROLLER SHALL BE MODIFIED TO SEPARATE THE OUTLETS ON THEIR OWN CIRCUIT.



LT-10

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6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

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PLOT SCALE	= 101.9468' / in.
PLOT DATE	= 7/11/2024

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DATE	- 05-29-2024

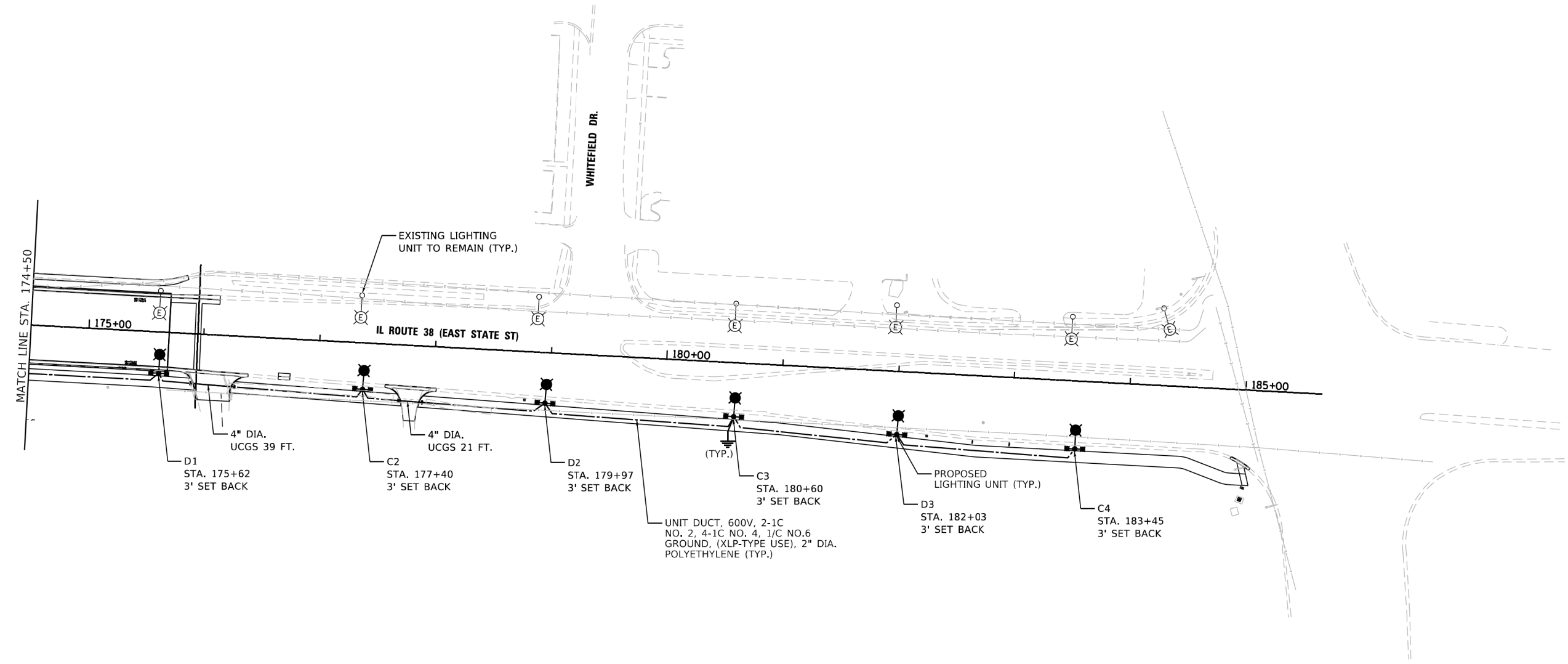
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
IL ROUTE 38 (EAST STATE STREET)**

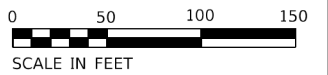
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	372
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	



NOTES:

1. SEE SHEET LT-01 FOR LEGEND AND GENERAL NOTES.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM BACK OF CURB TO CENTER OF LIGHT POLE.



LT-11

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AMES Engineering, Inc.
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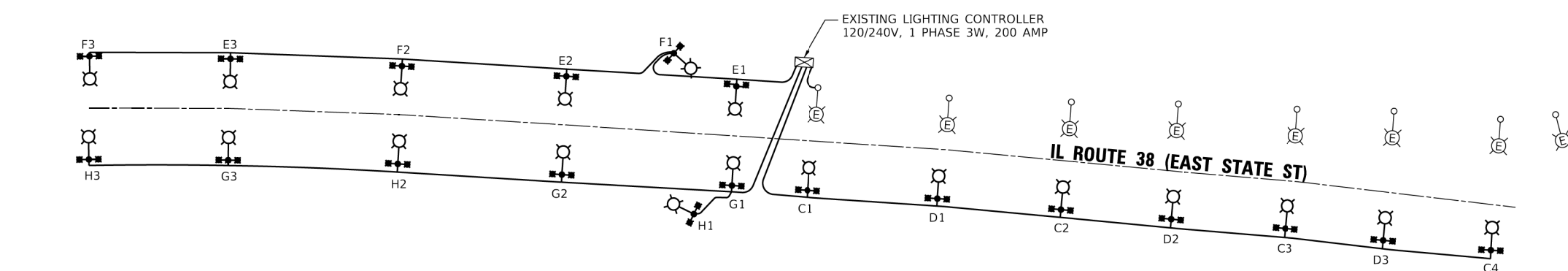
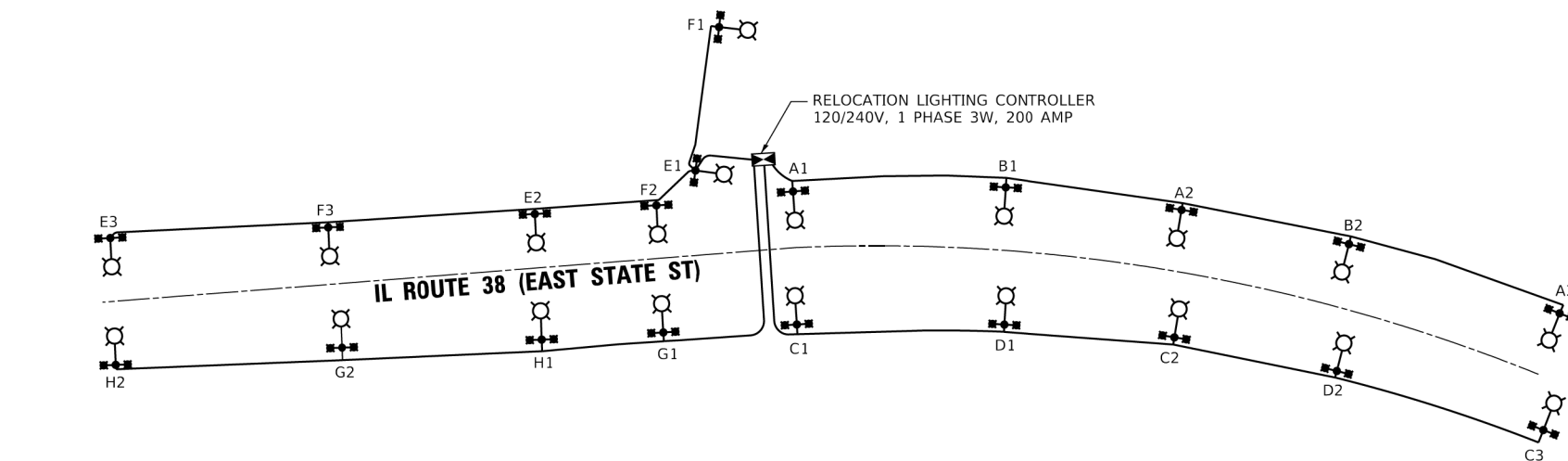
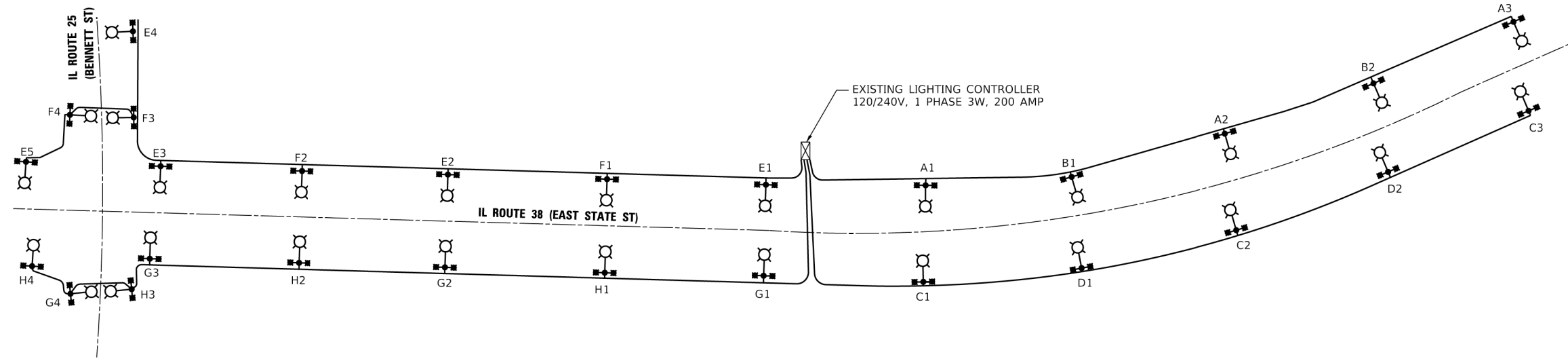
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PLOT DATE = 7/11/2024

DESIGNED - MH	REVISED -
DRAWN - SR	REVISED -
CHECKED - BL	REVISED -
DATE - 05-29-2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN IL ROUTE 38 (EAST STATE STREET)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	373
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



LOAD DATA

190W LED, 240V LUMINAIRE: 0.9A / LUMINAIRE
 2-24W LED, 120V LUMINAIRE: 0.22A / LUMINAIRE
 FESTOON OUTLET, 120V, 10A OUTLET: 1.5A

LEGEND

- ⊕ EXISTING LIGHTING UNIT
- ⊕ ⊕ LUMINAIRE: 190W LED, 240V WITH 2-24W LED, 120V
- ⊠ EXISTING LIGHTING CONTROLLER
- ⊠ RELOCATED LIGHTING CONTROLLER
- UNIT DUCT, 600V, 2-1C NO. 2, 4-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE

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 Downers Grove, IL 60516

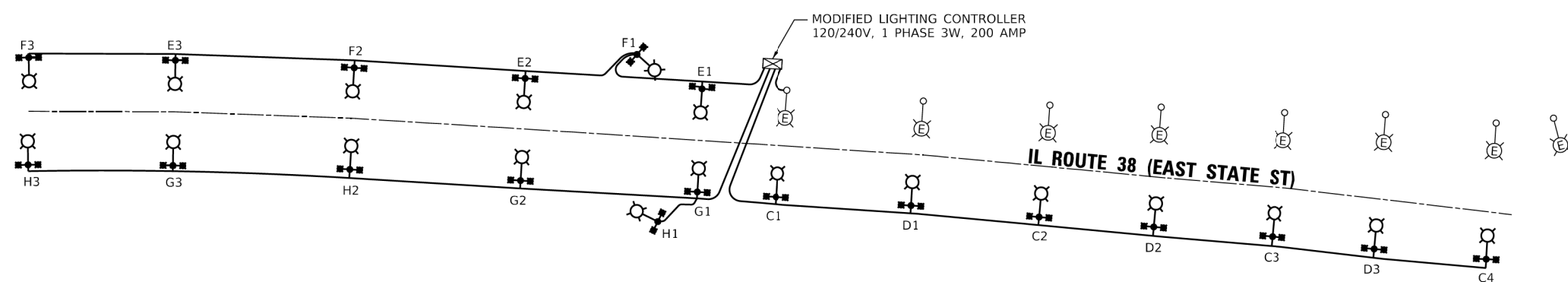
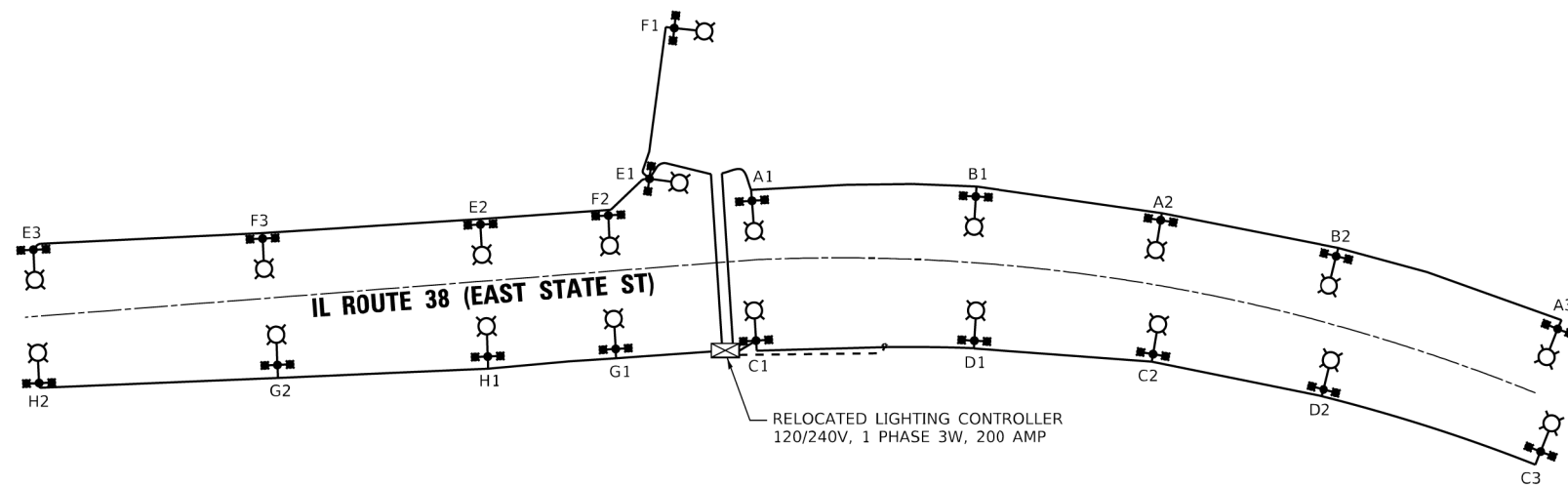
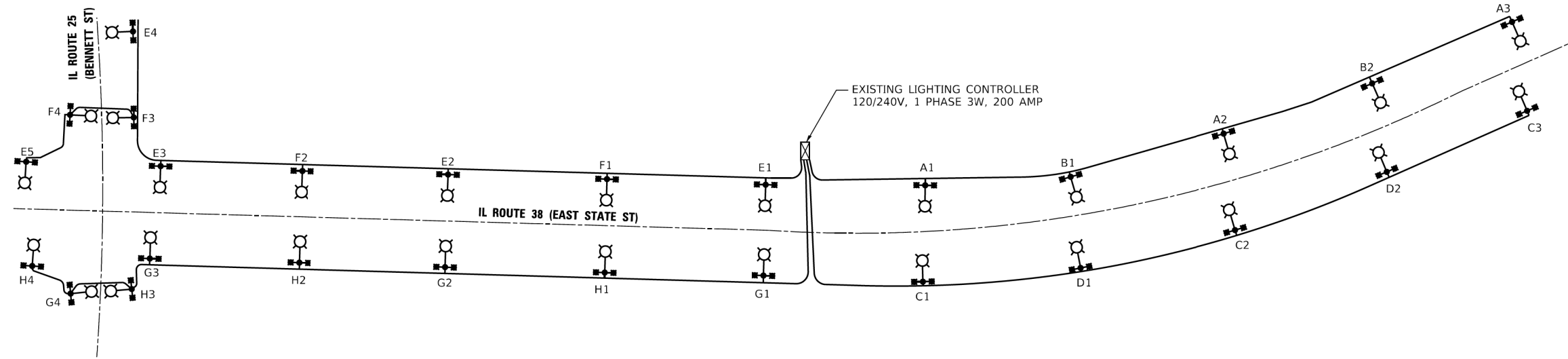
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PLOT DATE = 5/30/2024	CHECKED - BL	REVISED -
	DATE - 05-29-2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM
 IL ROUTE 38 (EAST STATE STREET)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00102-00-PV	KANE	488	374
			CONTRACT NO. 61J84	
		ILLINOIS	FED. AID PROJECT	



LOAD DATA

190W LED, 240V LUMINAIRE: 0.9A / LUMINAIRE
 2-24W LED, 120V LUMINAIRE: 0.22A / LUMINAIRE
 FESTOON OUTLET, 120V, 10A OUTLET: 1.5A

LEGEND

- EXISTING LIGHTING UNIT
- LUMINAIRE: 190W LED, 240V WITH 2-24W LED, 120V
- EXISTING LIGHTING CONTROLLER
- RELOCATED LIGHTING CONTROLLER
- UNIT DUCT, 600V, 2-1C NO. 2, 4-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE

MODEL: Default
 FILE NAME: C:\projects\2024\05\City of Geneva\BLA\Design\05-08\1181-009_E112.dgn

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60516

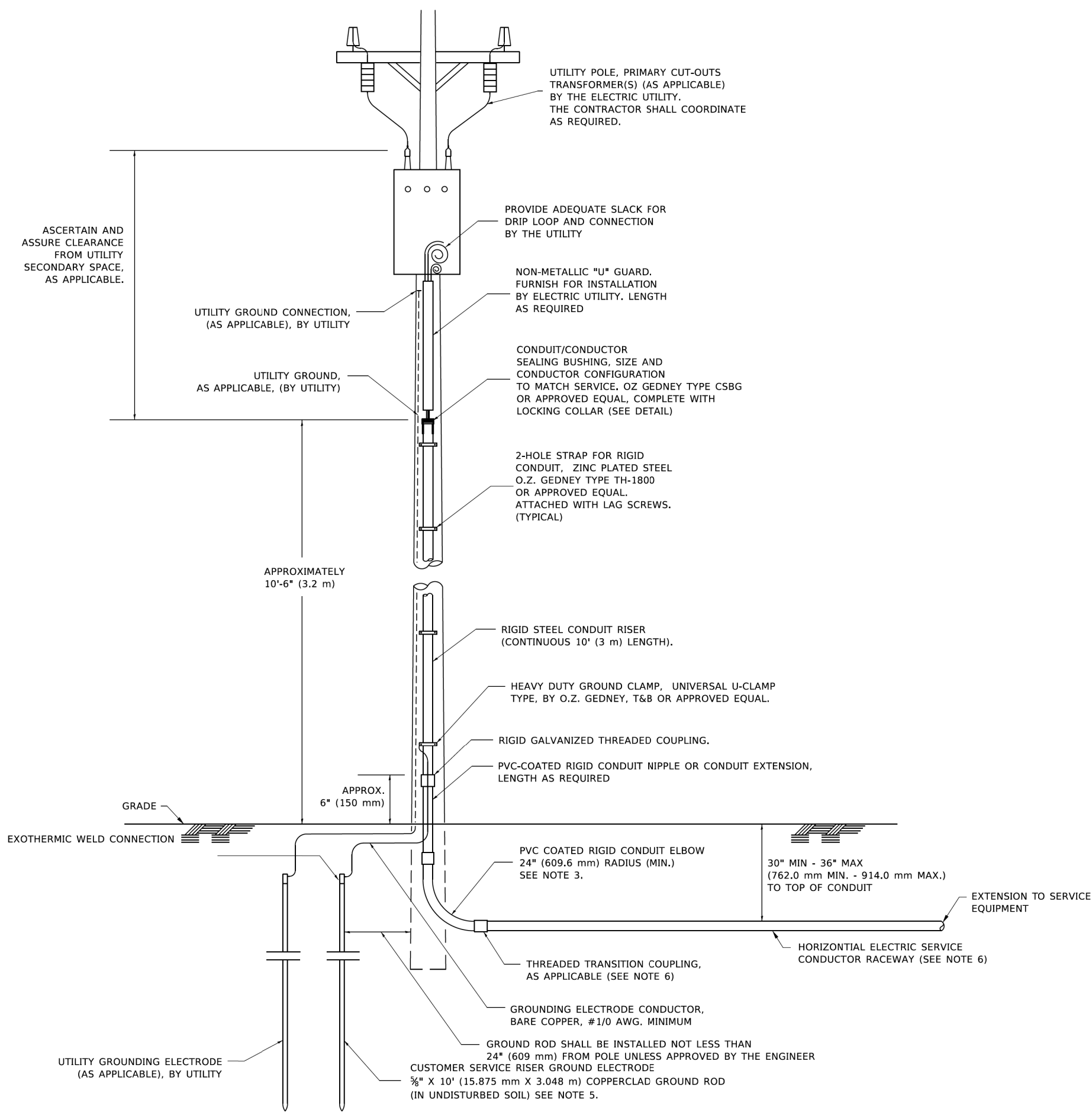
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PLOT DATE = 7/11/2024	CHECKED - BL	REVISED -
	DATE - 05-29-2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM
 IL ROUTE 38 (EAST STATE STREET)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00102-00-PV	KANE	488	375
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

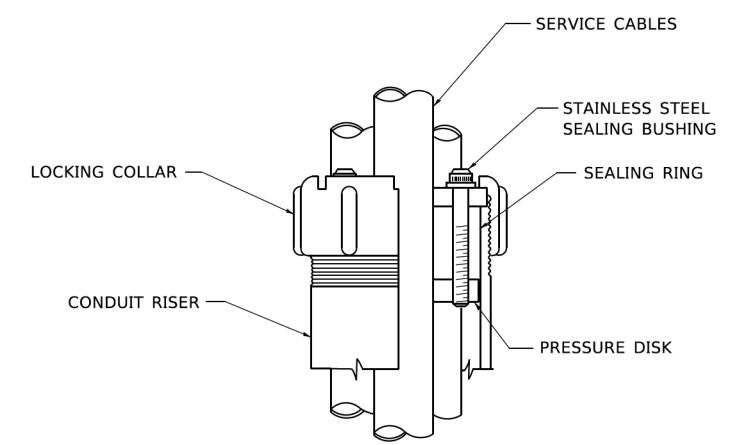


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



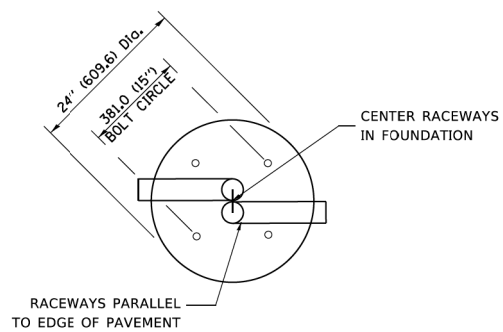
SEALING BUSHING DETAIL

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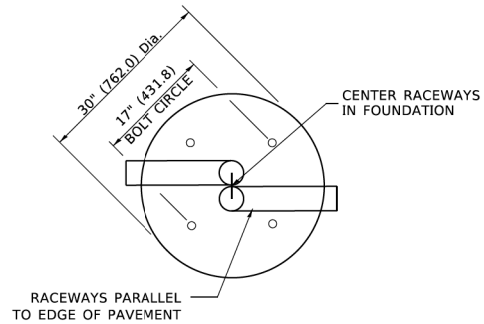
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			488	376
BE-220		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

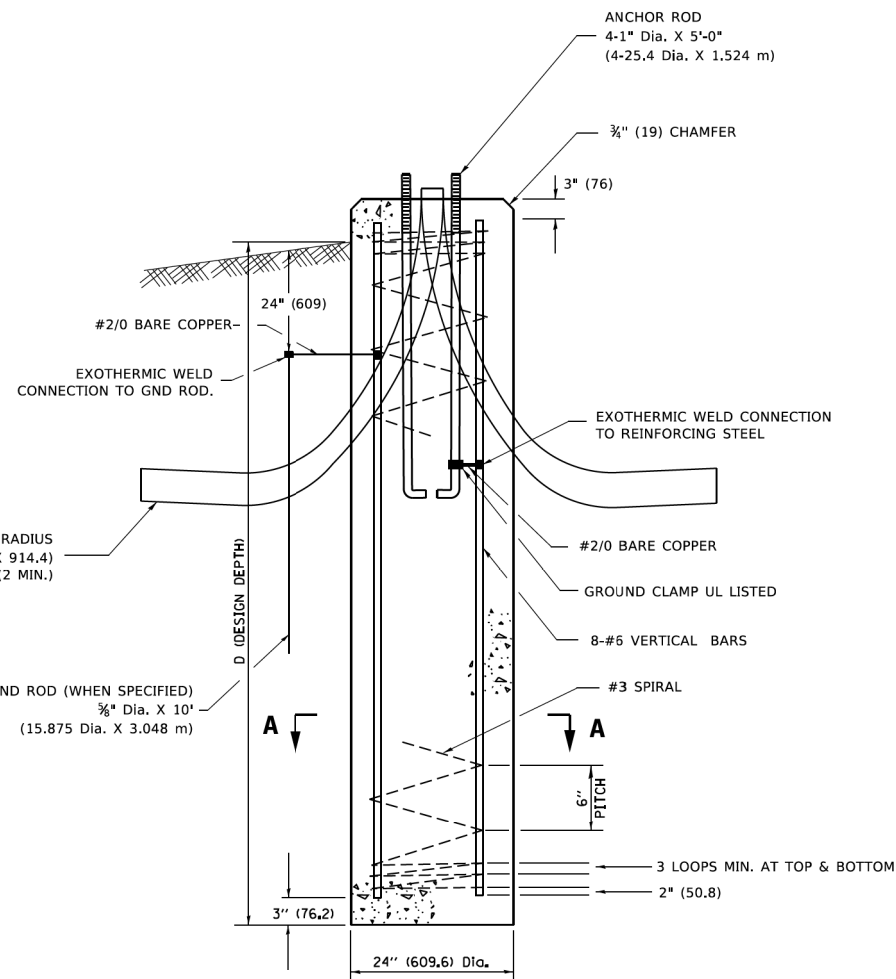
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.99 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



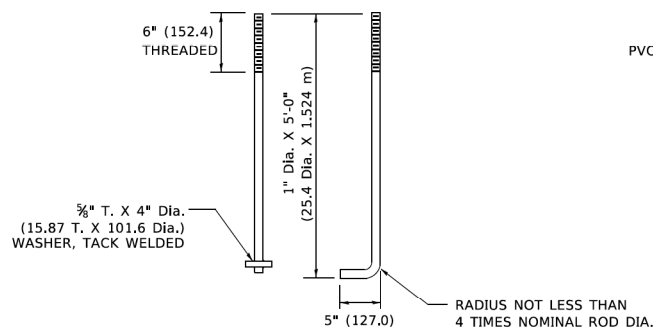
TOP VIEW



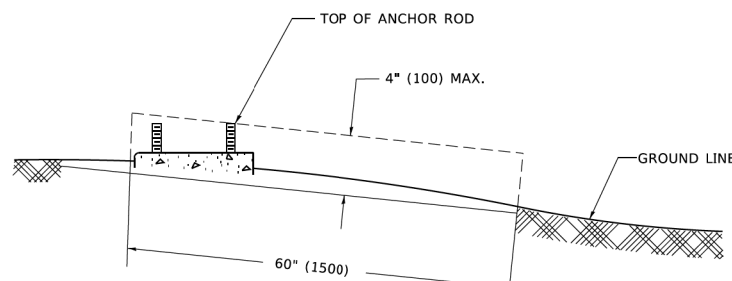
TOP VIEW



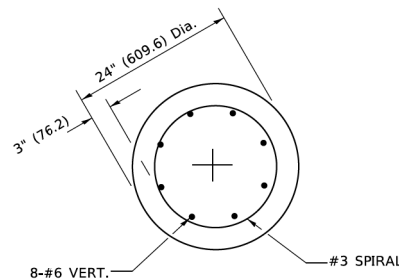
FOUNDATION DETAIL



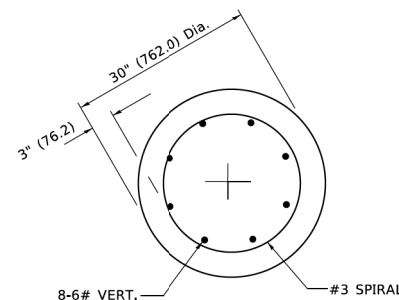
ANCHOR ROD DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1139.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

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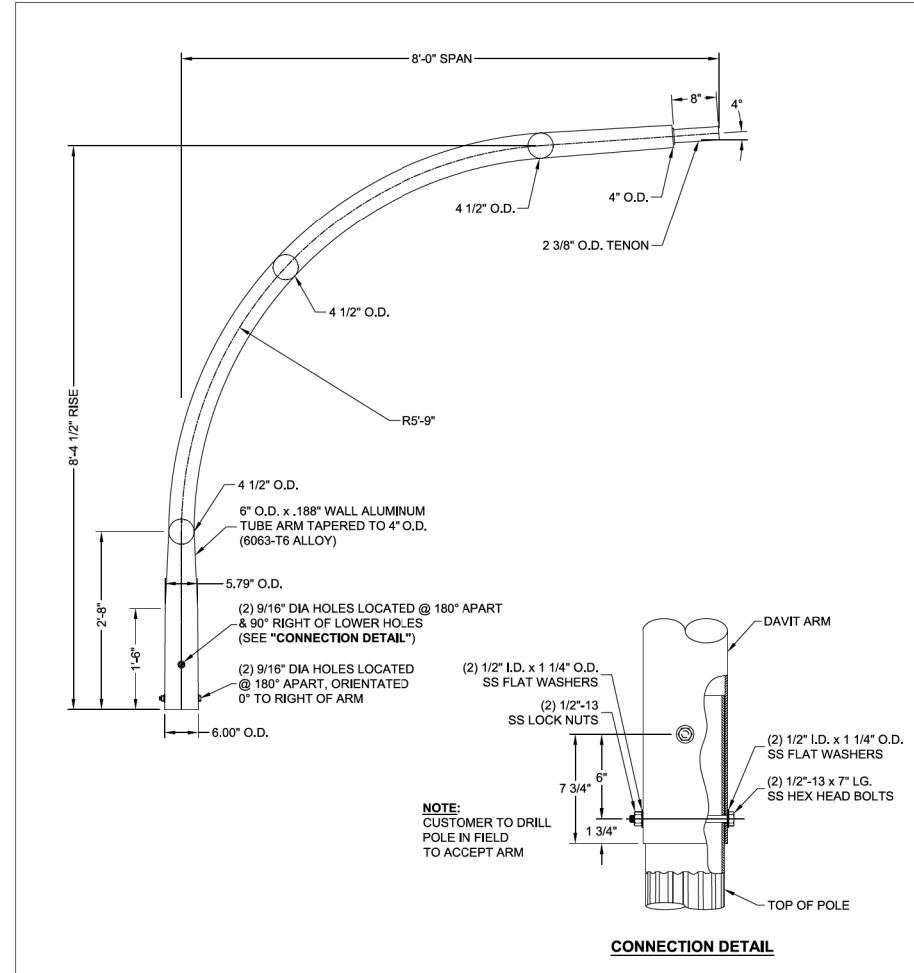
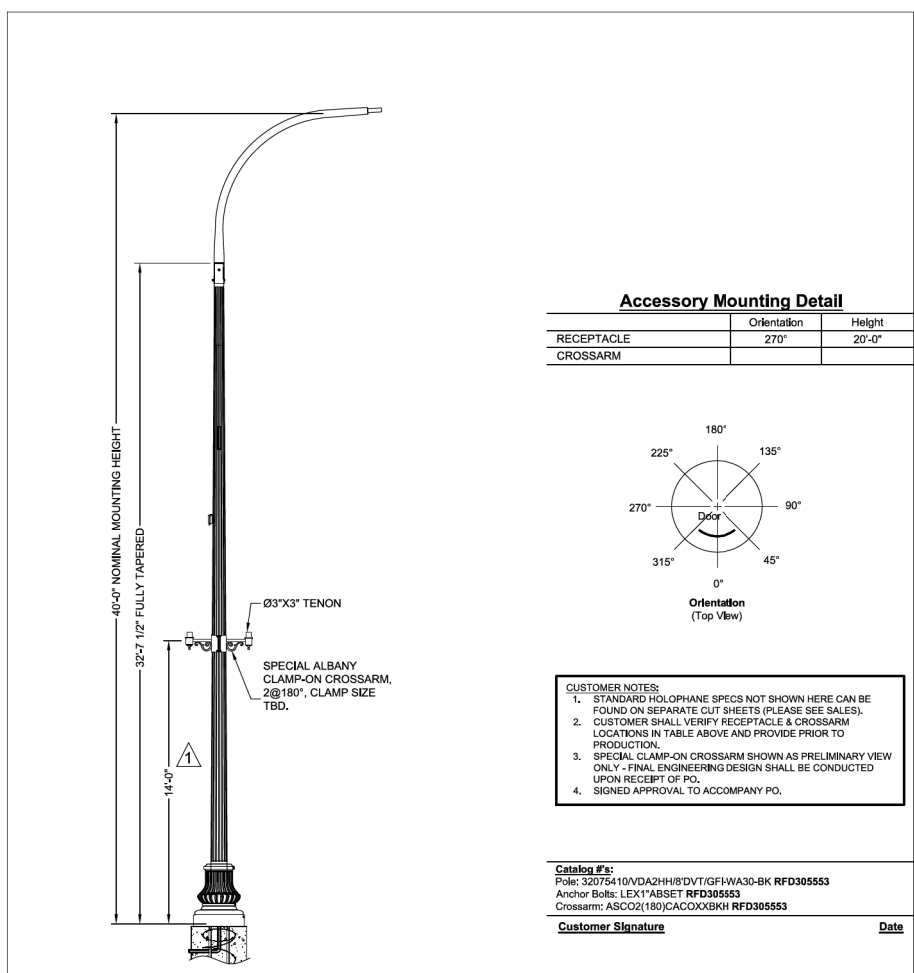
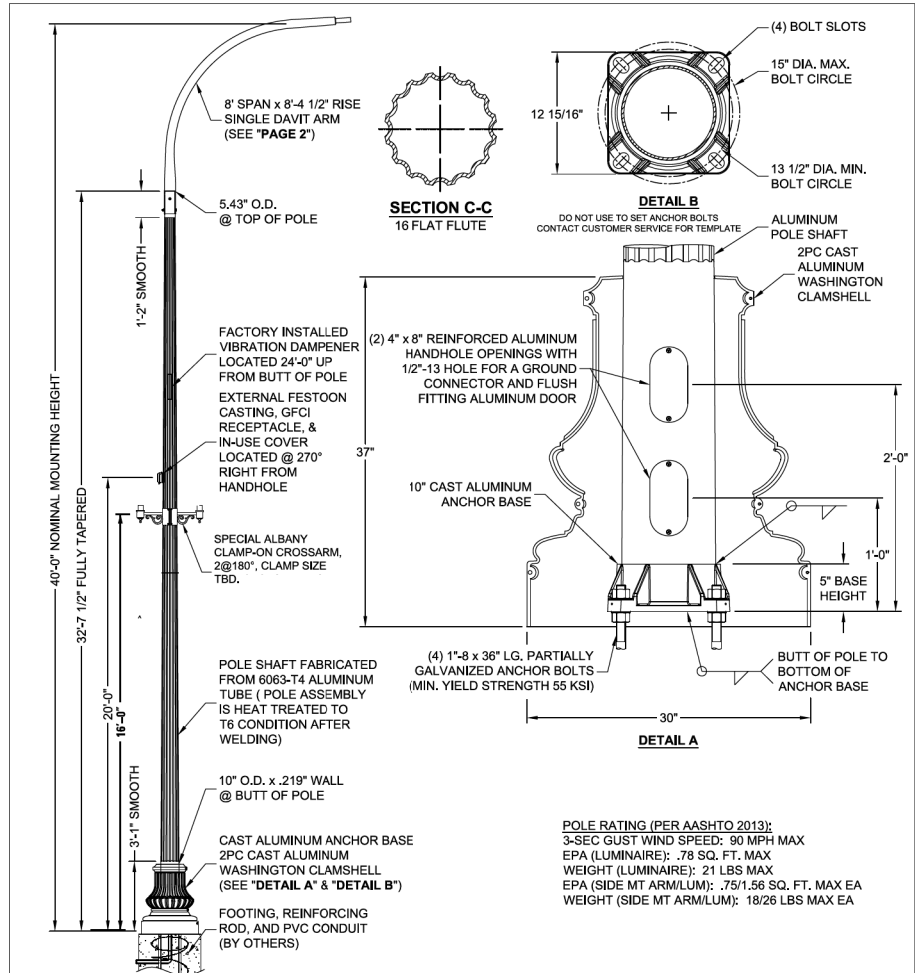
AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = footemj	DESIGNED -	REVISED - 04-22-02
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

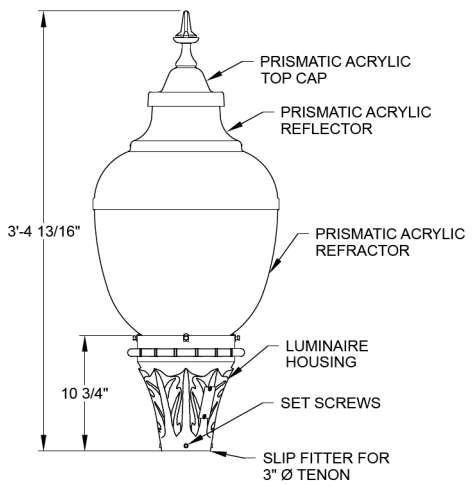
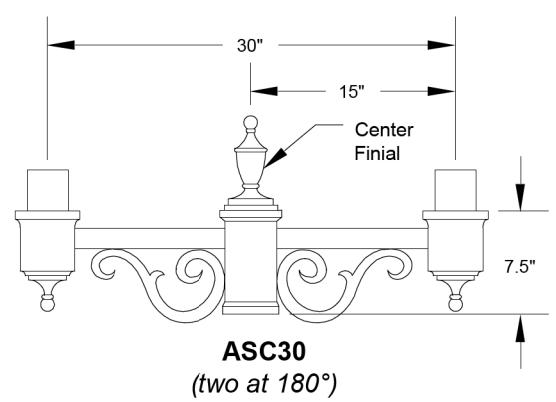
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-301		488	377
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J84	



<p>HOLOPHANE LEADER IN LIGHTING SOLUTIONS 3825 Columbus RD., Granville, Ohio 43023</p> <p>**CONFIDENTIAL** The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.</p>	TITLE: FLUTED POLE	QTY: 25	Catalog #s: (Please see Sheet 3)
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	MATERIAL: ALUMINUM ALLOY	CHKD BY:	
	FINISH: POWDER PAINT- HOLOPHANE BLACK LAVA	APPR BY:	
	PROJECT: RFD305553 STATE STREET	DATE: 06/03/19	
	SOLD TO: GENEVA POLE	DWG NO: TSG011498	
	SHIP TO: GENEVA, IL		
	P.O. NO: 2308-19-12233-0		
	REP: COLIN HATCH		
	REV	DATE	REVISION DESCRIPTION
06/26/19		REVISE LOCATION OF ARM, SHEET 3	MAB
			1 / 3

<p>HOLOPHANE LEADER IN LIGHTING SOLUTIONS 3825 Columbus RD., Granville, Ohio 43023</p> <p>**CONFIDENTIAL** The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.</p>	TITLE: ASSEMBLY	QTY: 25	Catalog #s: (Please see Sheet 3)
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	MATERIAL: ALUMINUM ALLOY	CHKD BY:	
	FINISH: POWDER PAINT- HOLOPHANE BLACK LAVA	APPR BY:	
	PROJECT: RFD305553 STATE STREET	DATE: 06/10/19	
	SOLD TO: GENEVA POLE	DWG NO: TSG011498	
	SHIP TO: GENEVA, IL		
	P.O. NO: 2308-19-12233-0		
	REP: COLIN HATCH		
	REV	DATE	REVISION DESCRIPTION
06/26/19		REVISE LOCATION OF ARM	MAB
			3 / 3

<p>HOLOPHANE LEADER IN LIGHTING SOLUTIONS 3825 Columbus RD., Granville, Ohio 43023</p> <p>**CONFIDENTIAL** The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.</p>	TITLE: DAVIT ARM 8'-4.5" x 6 x 2.4 x 8 S 5'-9"R	QTY: 25	Catalog #s: (Please see Sheet 3)
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	FINISH: POWDER PAINT- HOLOPHANE BLACK LAVA	APPR BY:	
	PROJECT: RFD305553 STATE STREET	DATE: 06/03/19	
	SOLD TO: GENEVA POLE	DWG NO: TSG011498	
	SHIP TO: GENEVA, IL		
	P.O. NO: 2308-19-12233-0		
	REP: COLIN HATCH		
	REV	DATE	REVISION DESCRIPTION
06/26/19		REVISE LOCATION OF ARM	MAB
			2 / 3



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<p>AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516</p>	USER NAME = srahman	DESIGNED - MH	REVISED -
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	PLOT DATE = 7/11/2024	CHECKED - BL	REVISED -
		DATE - 05-29-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING UNIT COMPLETE (SPECIAL)
IL ROUTE 38 (EAST STATE STREET)

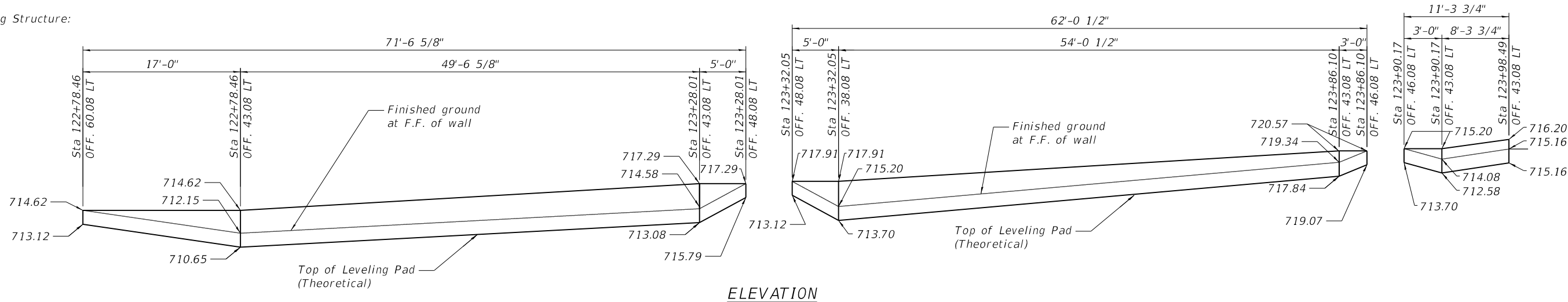
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CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

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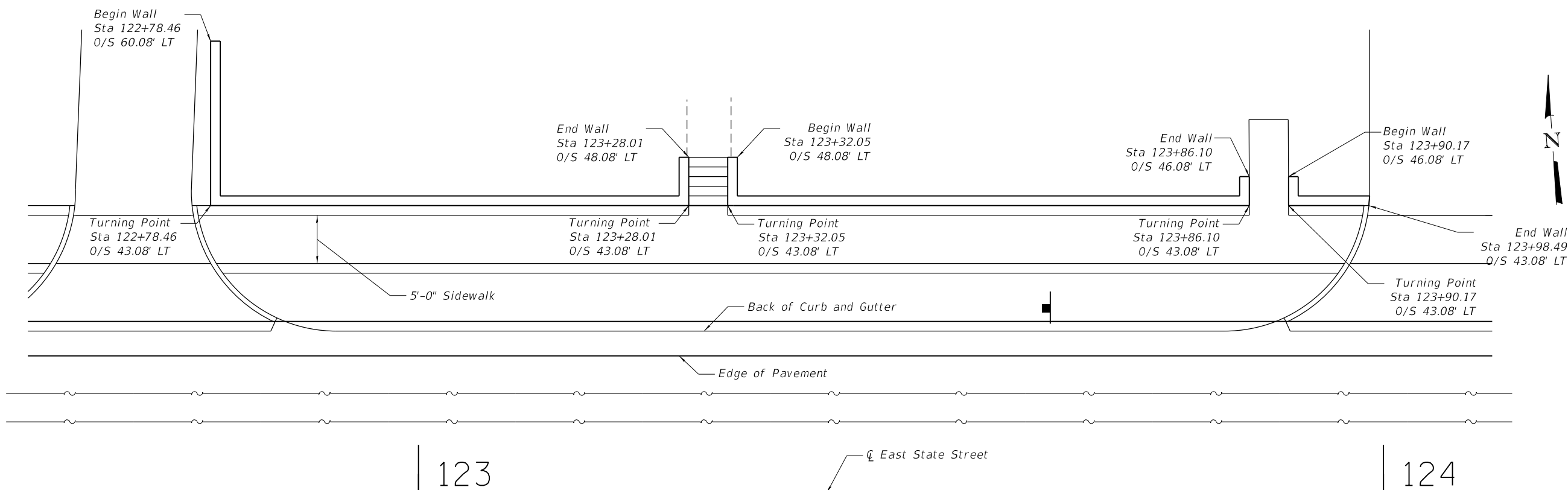
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ELEVATION

DESIGN SPECIFICATIONS

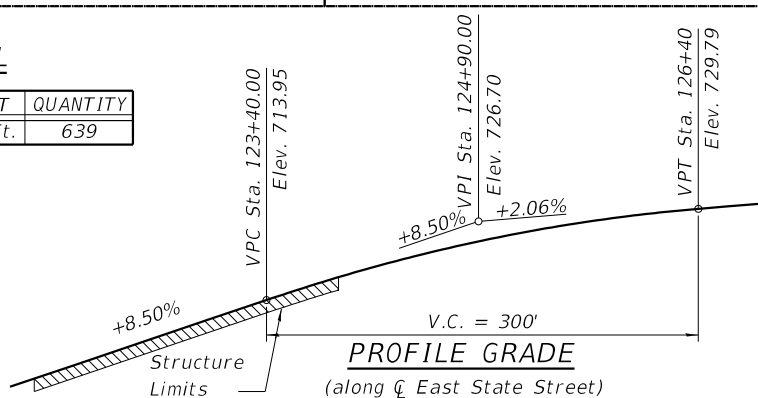
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition



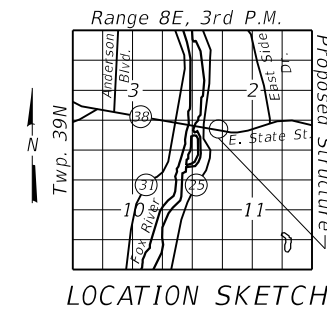
PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Segmental Concrete Block Wall	Sq. Ft.	639



PROFILE GRADE
(along East State Street)

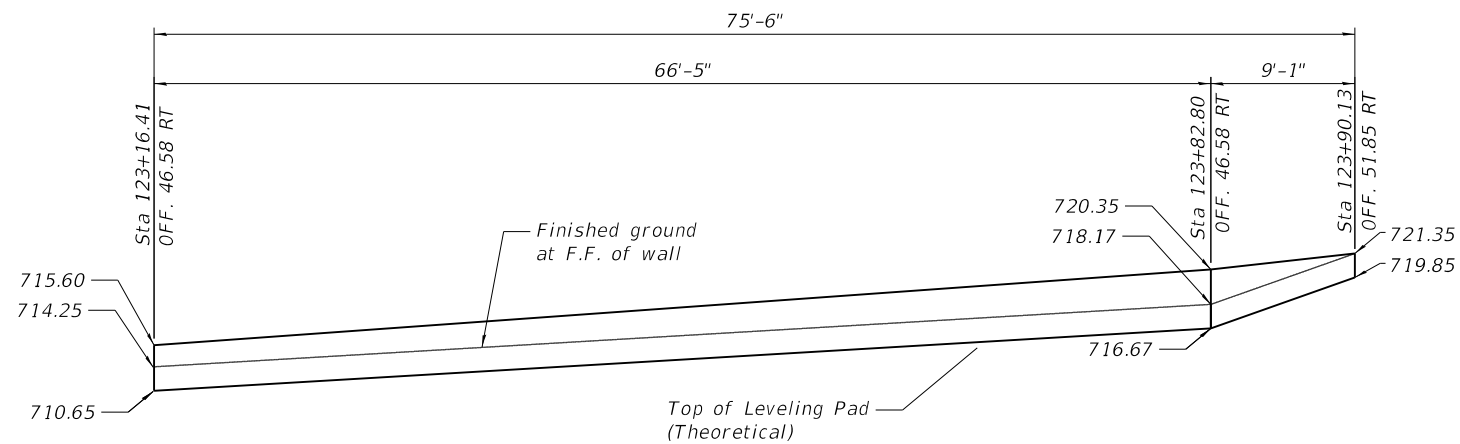


LOCATION SKETCH

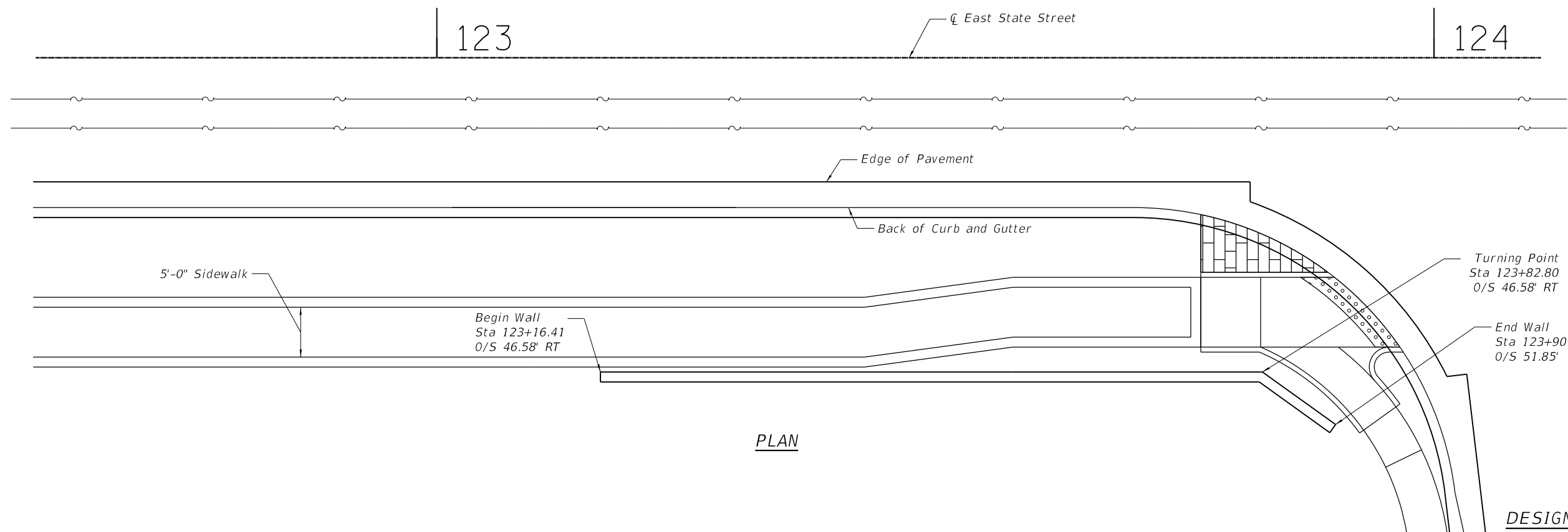
GENERAL PLAN
RETAINING WALL 01
EAST STATE STREET
F.A.U. RTE 347
KANE COUNTY
STATION 121+78.46 TO 123+98.49

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ELEVATION

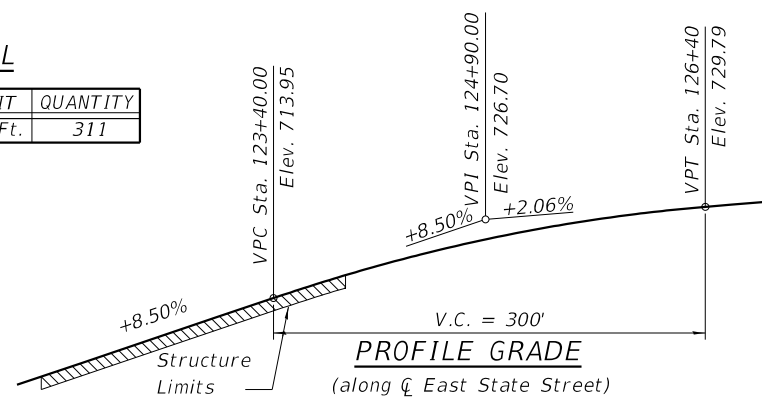


PLAN

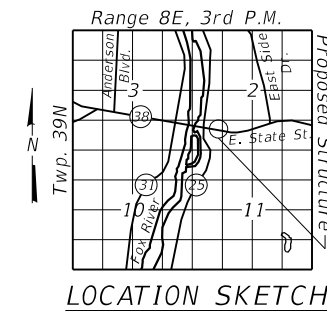
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2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Segmental Concrete Block Wall	Sq. Ft.	311



PROFILE GRADE
(along \bar{C} East State Street)



LOCATION SKETCH

GENERAL PLAN
RETAINING WALL 02
EAST STATE STREET
F.A.U. RTE 347
SECTION 05-00102-00-PV
KANE COUNTY
STATION 123+16.41 TO 123+90.13

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CITY OF GENEVA
1800 SOUTH STREET

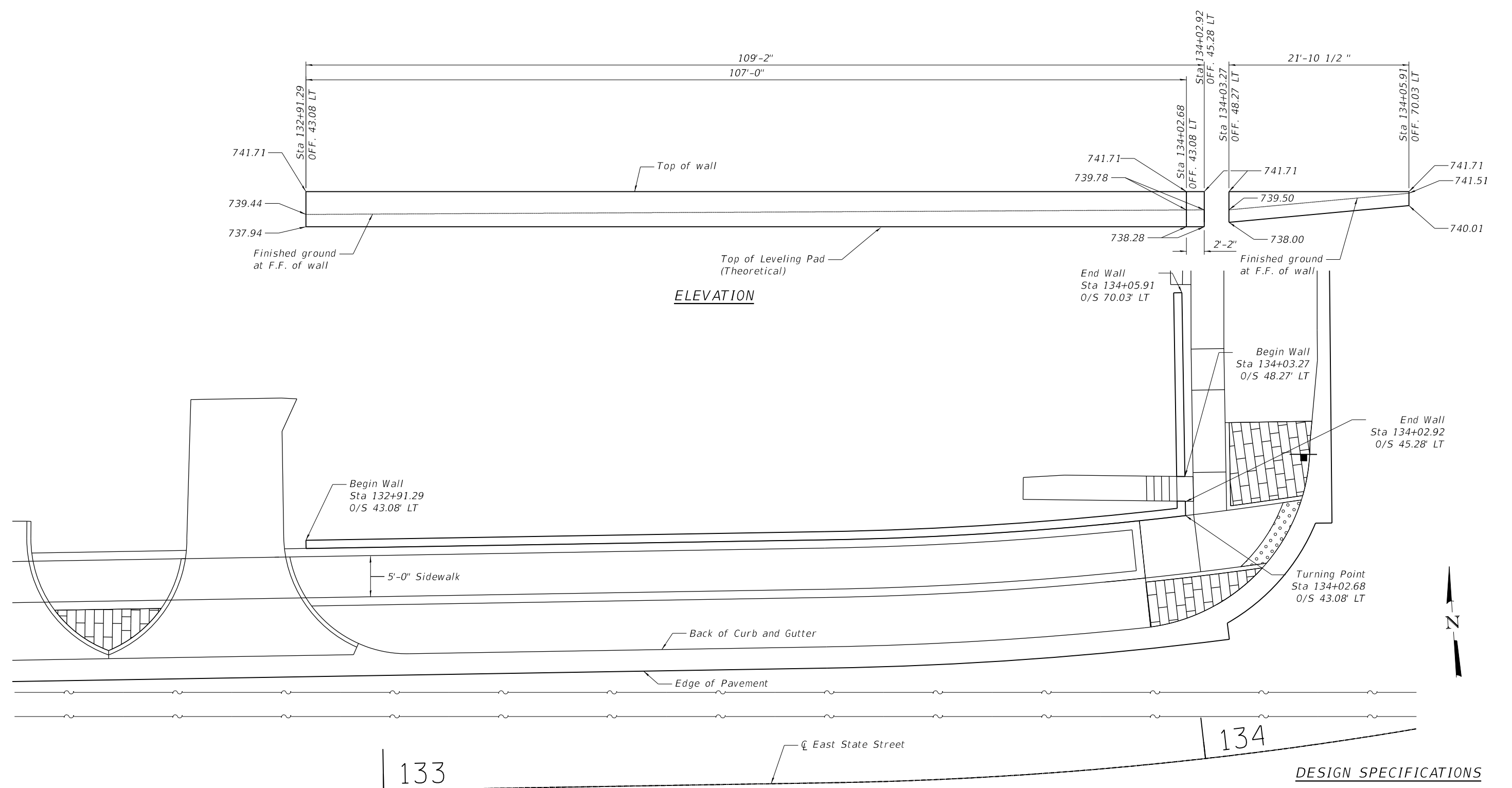
RETAINING WALL 02
ILLINOIS ROUTE 38 - EAST STATE STREET

SHEET 2 OF 6

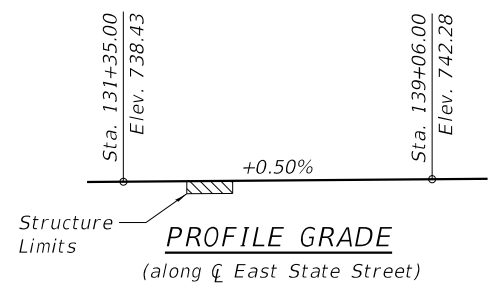
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CONTRACT NO.			61184	

ILLINOIS FED. AID PROJECT

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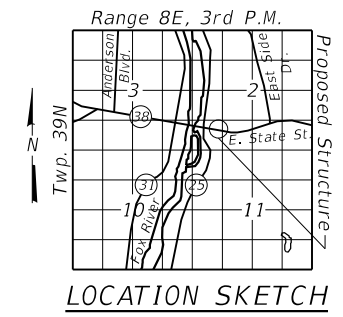


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 $T = 71.05'$
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 $E = 5.28$
 P.C. Sta. = 133+54.33
 P.T. Sta. = 134+95.38



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Segmental Concrete Block Wall	Sq. Ft.	442



DESIGN SPECIFICATIONS
 2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

GENERAL PLAN
RETAINING WALL 03
EAST STATE STREET
F.A.U. RTE 347
SECTION 05-00102-00-PV
KANE COUNTY
STATION 132+91.29 TO 134+05.91

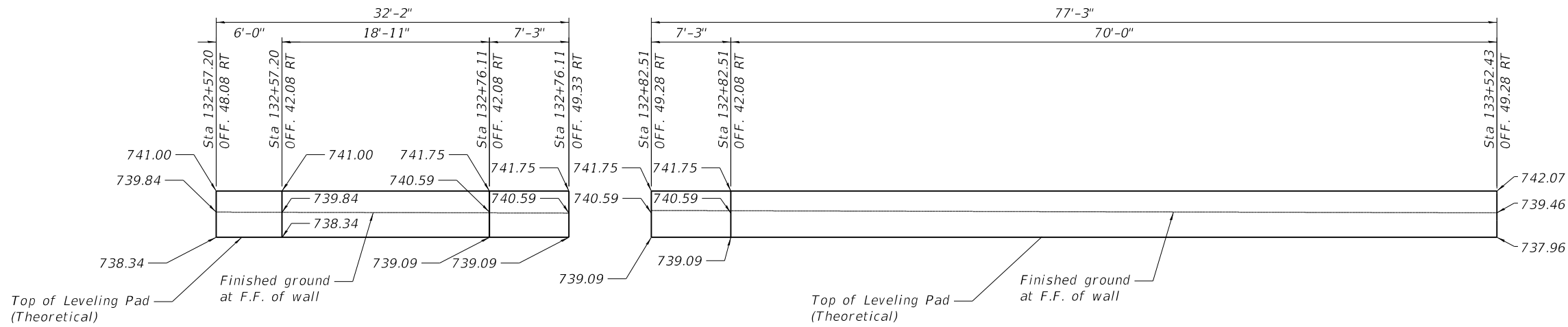


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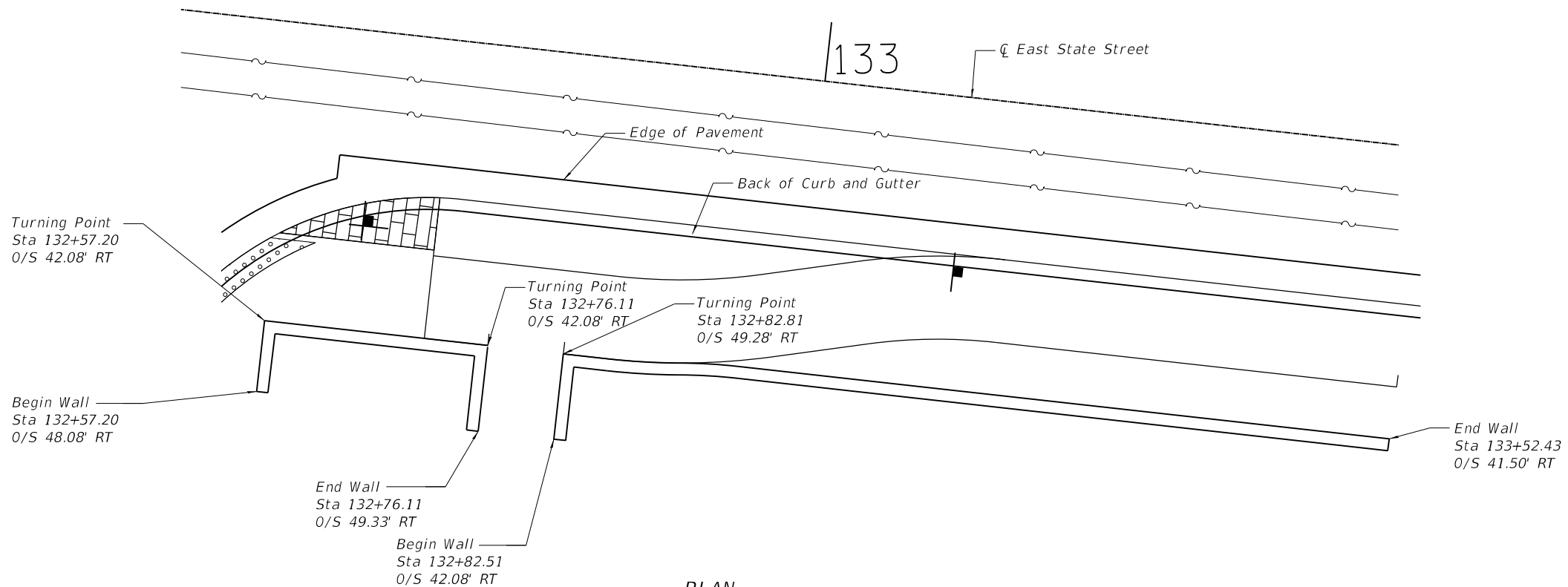
CITY OF GENEVA
1800 SOUTH STREET

RETAINING WALL 03
ILLINOIS ROUTE 38 - EAST STATE STREET
 SHEET 3 OF 6

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CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	



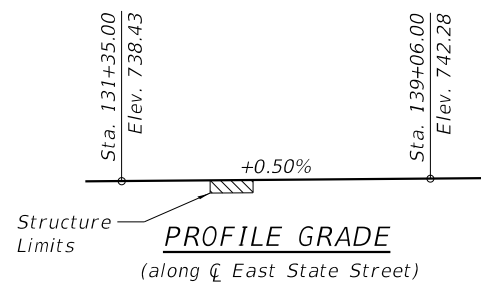
ELEVATION



PLAN

CURVE DATA

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 $R = 475.00'$
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 $L = 141.05'$
 $E = 5.28'$
 P.C. Sta. = 133+54.33
 P.T. Sta. = 134+95.38

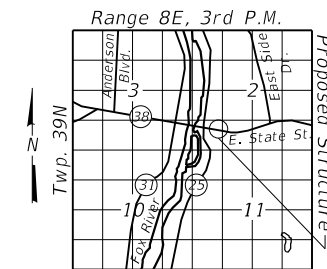


PROFILE GRADE

(along \bar{C} East State Street)

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Segmental Concrete Block Wall	Sq. Ft.	343



LOCATION SKETCH

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

GENERAL PLAN
RETAINING WALL 04
EAST STATE STREET
F.A.U. RTE 347
SECTION 05-00102-00-PV
KANE COUNTY

STATION 132+57.20 TO 133+52.43

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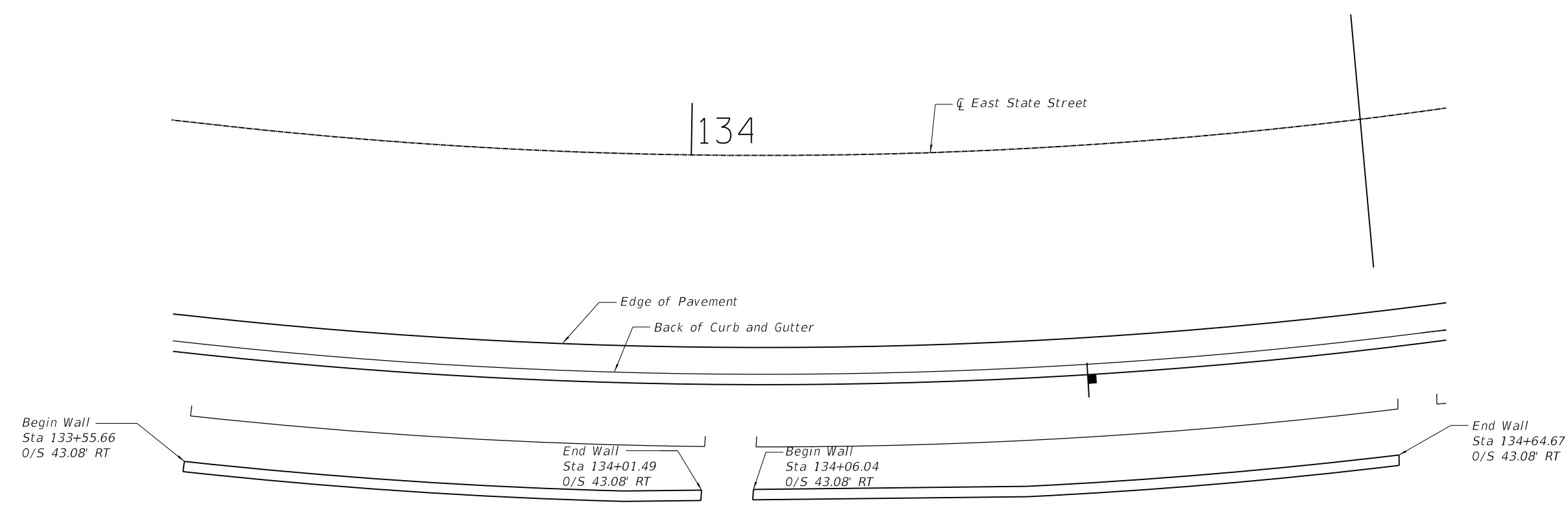
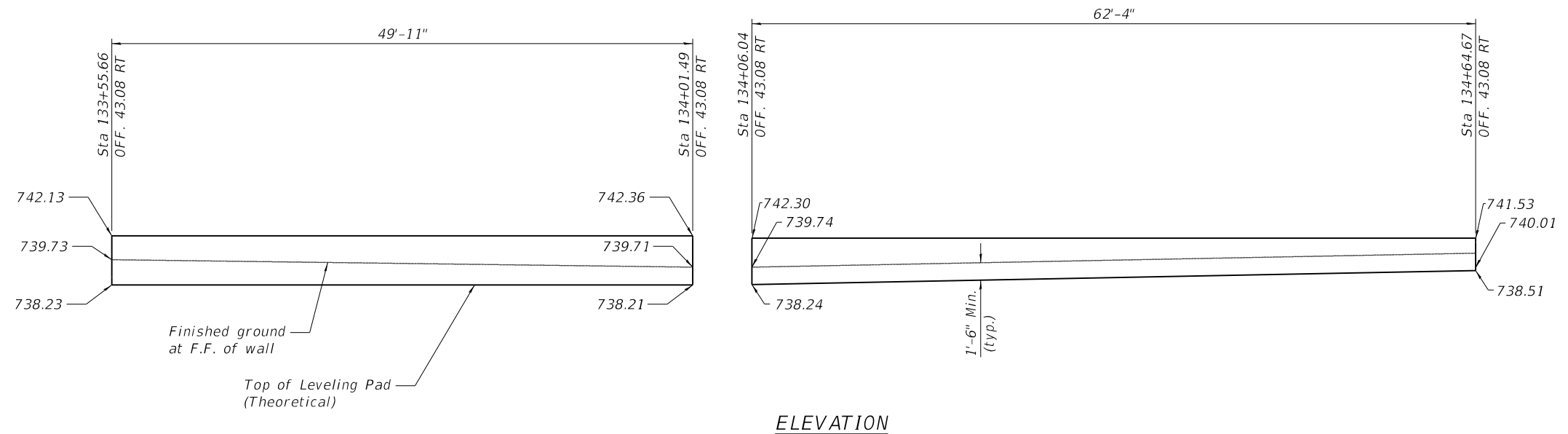
CITY OF GENEVA
1800 SOUTH STREET

RETAINING WALL 04
ILLINOIS ROUTE 38 - EAST STATE STREET

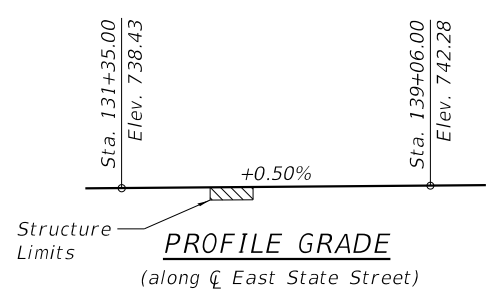
SHEET 4 OF 6

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	383
CONTRACT NO. 61J84				

ILLINOIS FED. AID PROJECT

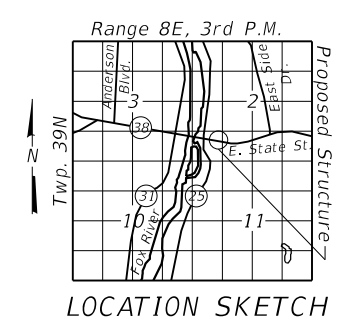


CURVE DATA
 PROP. CURVE E_STATE_CL-1
 P.I. Sta. = 134+25.38
 $\Delta = 17^\circ 00' 49''$ (LT)
 $D = 12^\circ 03' 44''$
 $R = 475.00'$
 $T = 71.05'$
 $L = 141.05'$
 $E = 5.28'$
 P.C. Sta. = 133+54.33
 P.T. Sta. = 134+95.38



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Segmental Concrete Block Wall	Sq. Ft.	430



DESIGN SPECIFICATIONS
 2017 AASHTO LRFD Bridge Design
 Specifications, 8th Edition

GENERAL PLAN
RETAINING WALL 04
EAST STATE STREET
F.A.U. RTE 347
SECTION 05-00102-00-PV
KANE COUNTY
STATION 133+55.66 TO 134+64.67

FILE NAME = F:\1961-008 Geneva East State Street\STRUCTURAL\1961-008_05_Wall 04.dgn



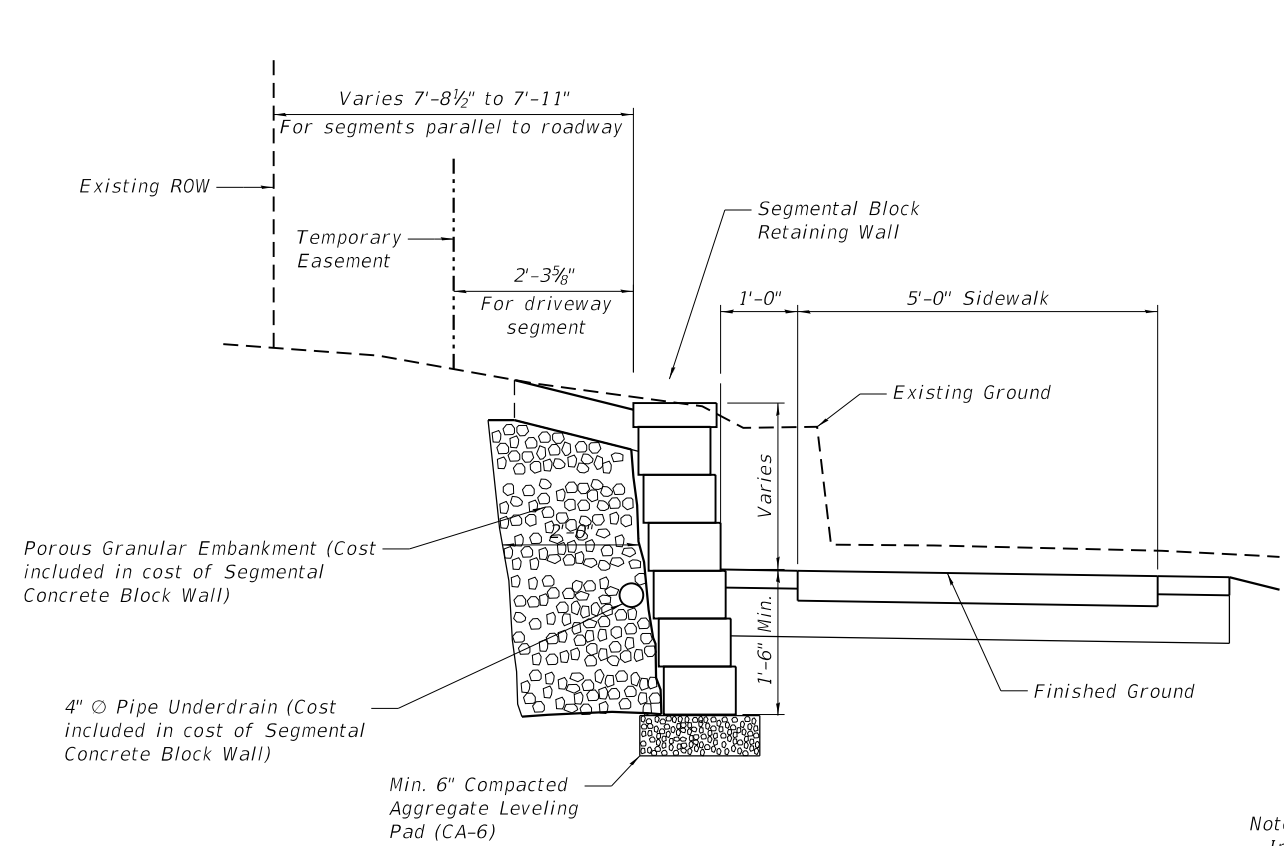
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CITY OF GENEVA
1800 SOUTH STREET

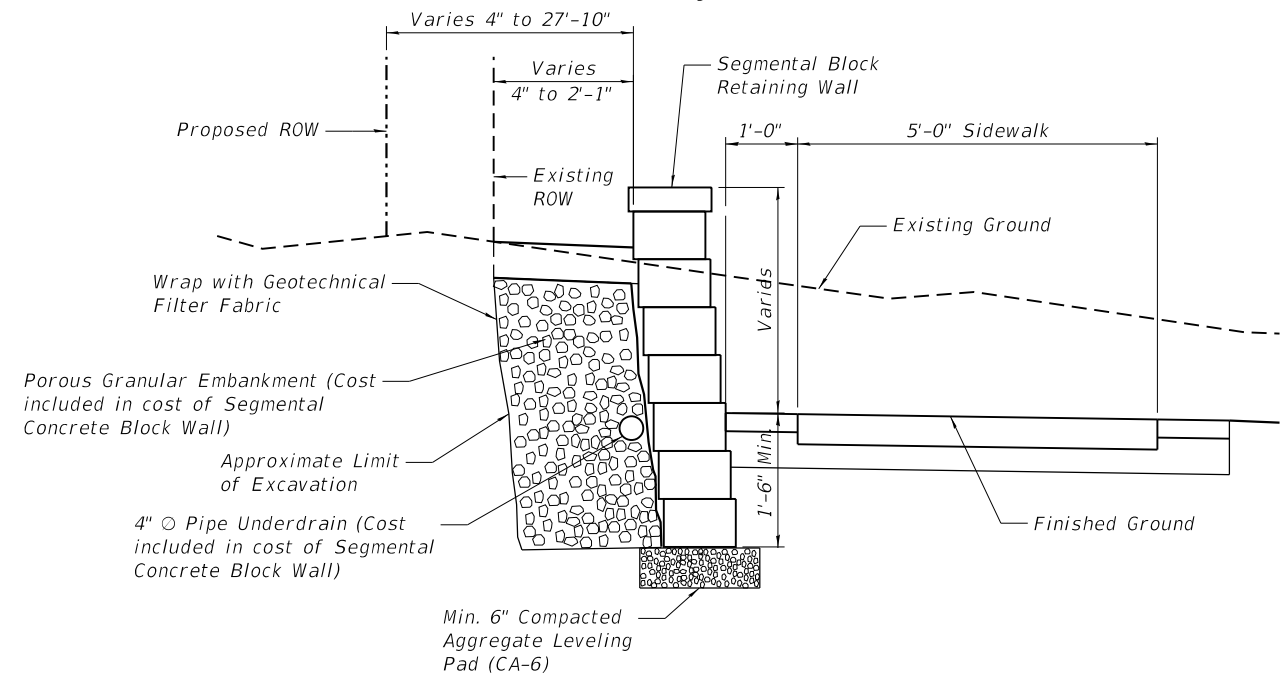
RETAINING WALL 04
ILLINOIS ROUTE 38 - EAST STATE STREET

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 384
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J84	

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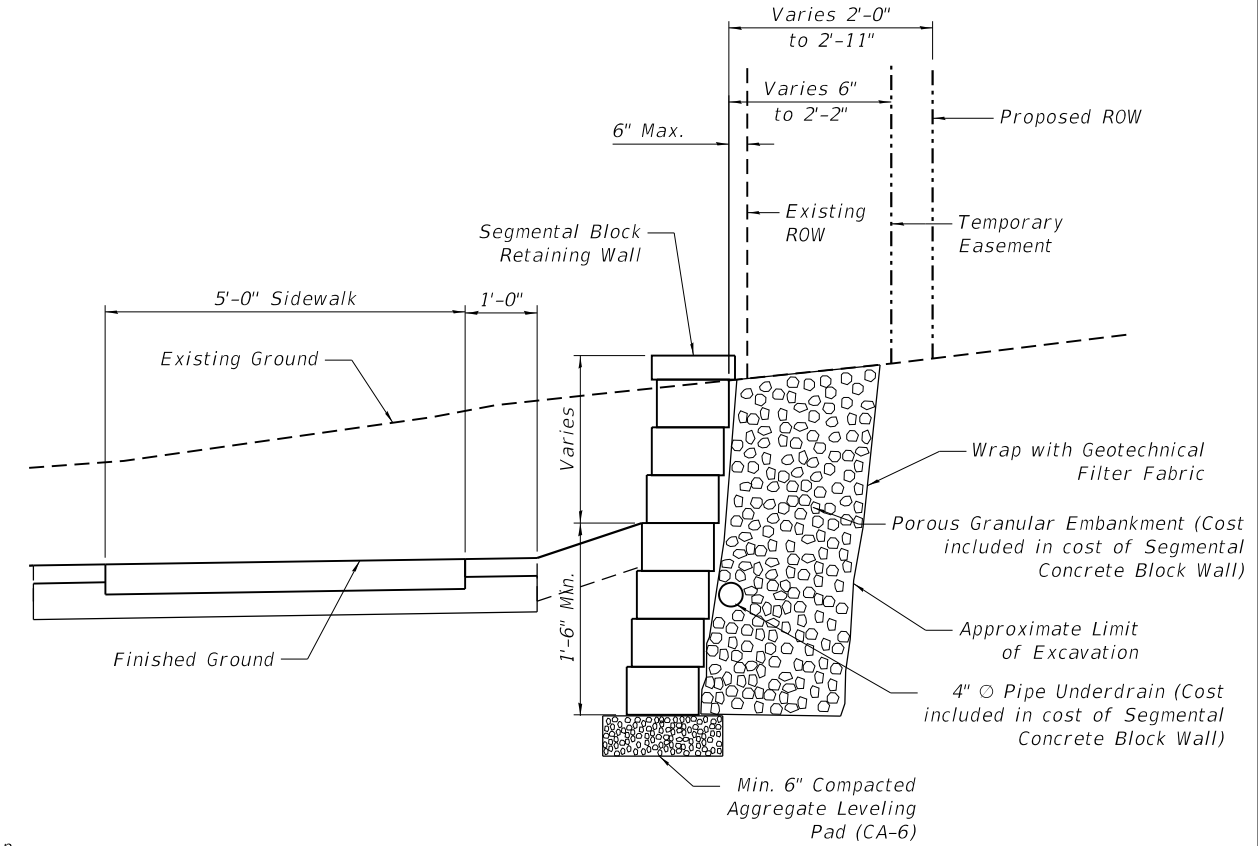


**TYPICAL SECTION THRU
RETAINING WALL 01**
(Looking East)



**TYPICAL SECTION THRU
RETAINING WALL 03**
(Looking East)

Notes:
Include block dimensions, style and color in shop drawing submittal for approval by the Engineer.
Excavation is included in the cost of Segmental Concrete Block Wall



**TYPICAL SECTION THRU
RETAINING WALL 02 & 04**
(Looking East)



USER NAME = tnestor	DESIGNED - PRD	REVISED -
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PLOT DATE = 1/13/2025	DRAWN - PRD	REVISED -
	CHECKED - ---	REVISED -

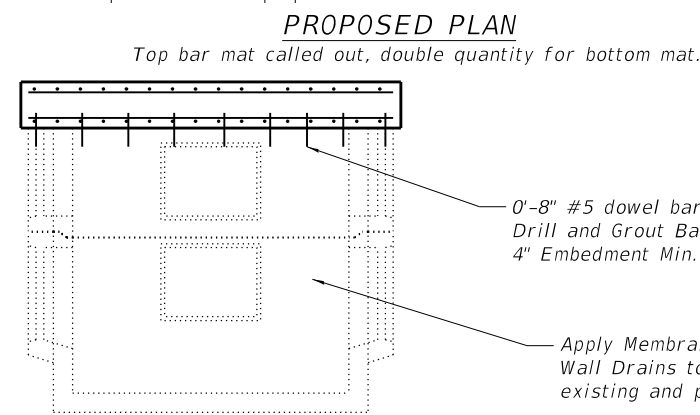
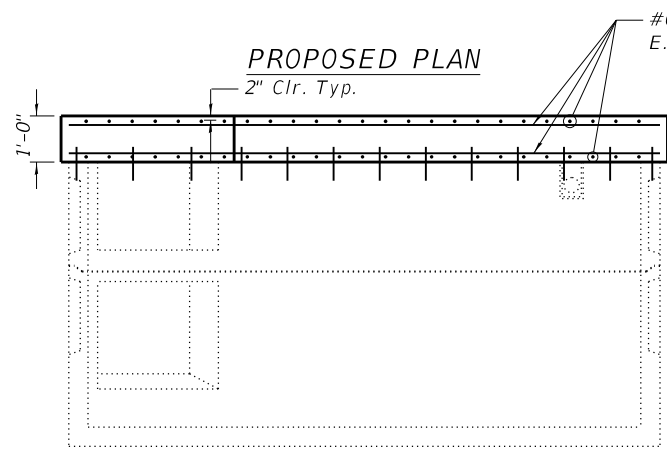
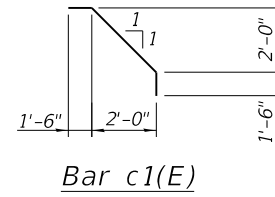
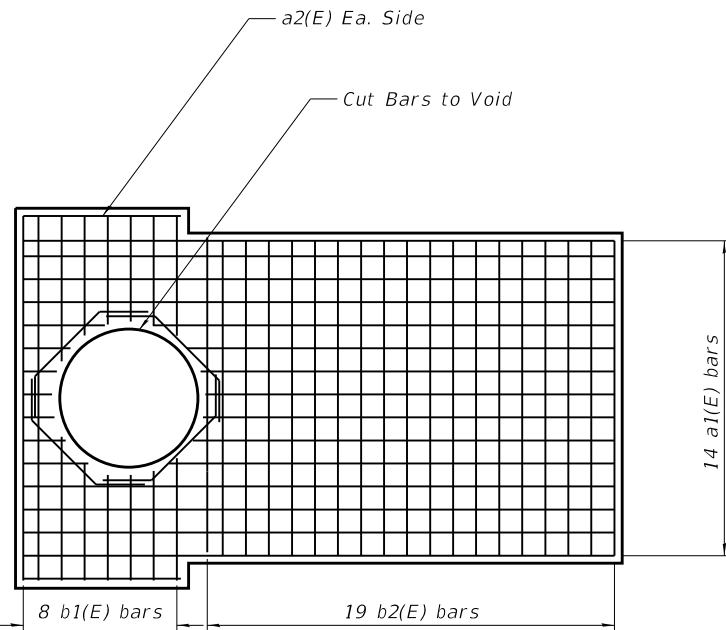
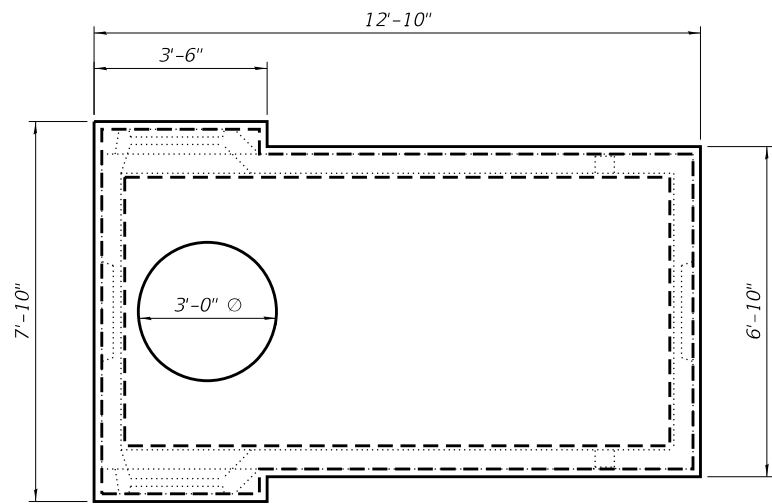
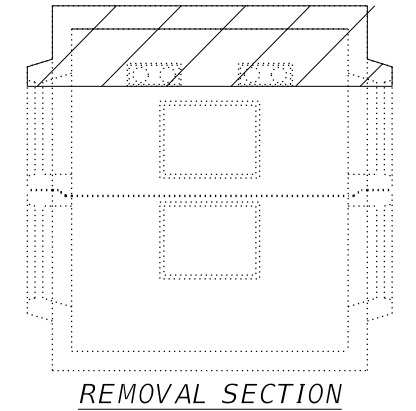
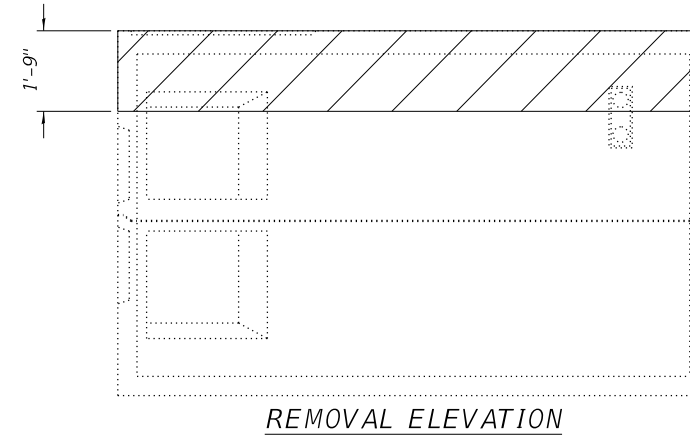
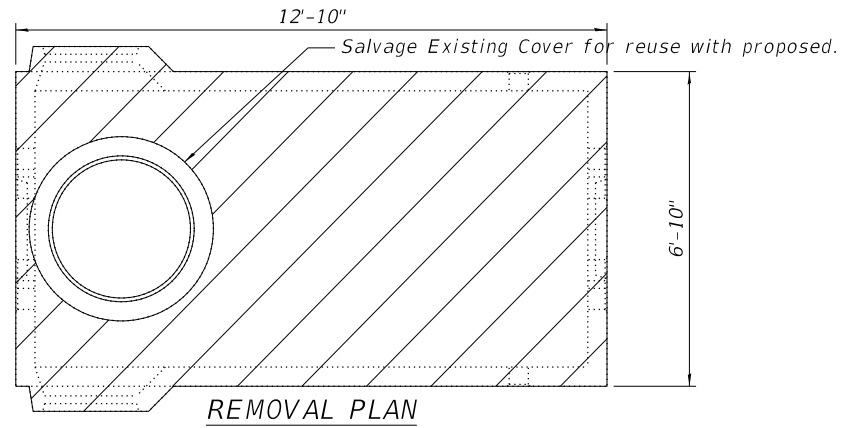
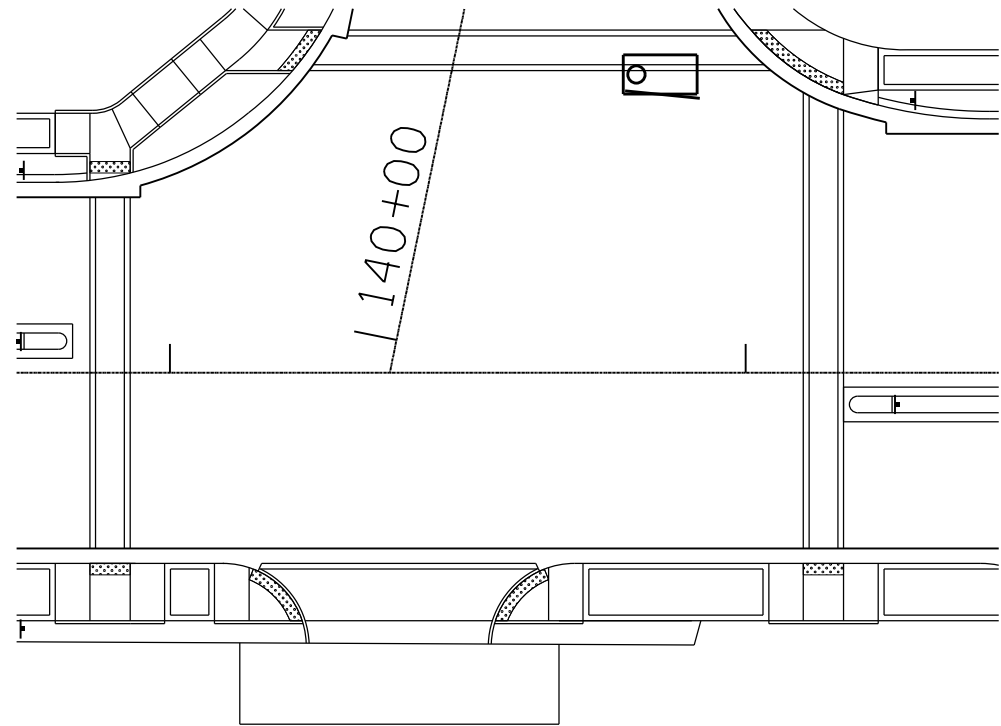
**CITY OF GENEVA
1800 SOUTH STREET**

**SEGMENTAL CONCRETE BLOCK WALL DETAILS
ILLINOIS ROUTE 38 - EAST STATE STREET**

SHEET 6 OF 6

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	385
CONTRACT NO. 61J84				

ILLINOIS FED. AID PROJECT



0'-8" #5 dowel bars at 12"
Drill and Grout Bars
4" Embedment Min.

Apply Membrane and set Geocomposite
Wall Drains to exposed surfaces of
existing and proposed vault.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1(E)	28	#6	12'-6"	—	
a2(E)	4	#6	3'-6"	—	
b1(E)	16	#6	7'-6"	—	
b2(E)	38	#6	6'-6"	—	
c1(E)	8	#5	5'-9"	⌒	
Concrete Removal				Cu. Yd.	2.5
Structure Excavation				Cu. Yd.	21
Concrete Structures				Cu. Yd.	4.1
Reinforcement Bars, Epoxy Coated				Pound	1,140
Geocomposite Wall Drain				Sq. Yd.	19
Membrane Waterproofing System for Buried Structures				Sq. Yd.	19
Drill and Grout Dowel Bars				Each	64

FILE NAME = F:\1961-008 Geneva East State St\ACADD_Sheets\STRUCTURAL\961-008_07_ElectricVault_01.dgn



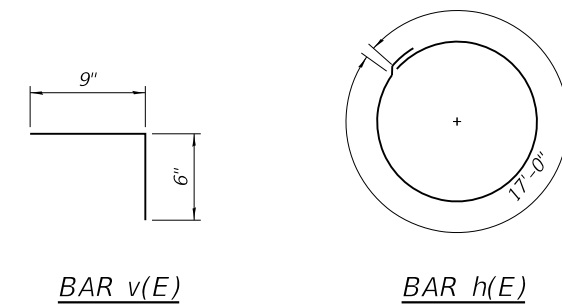
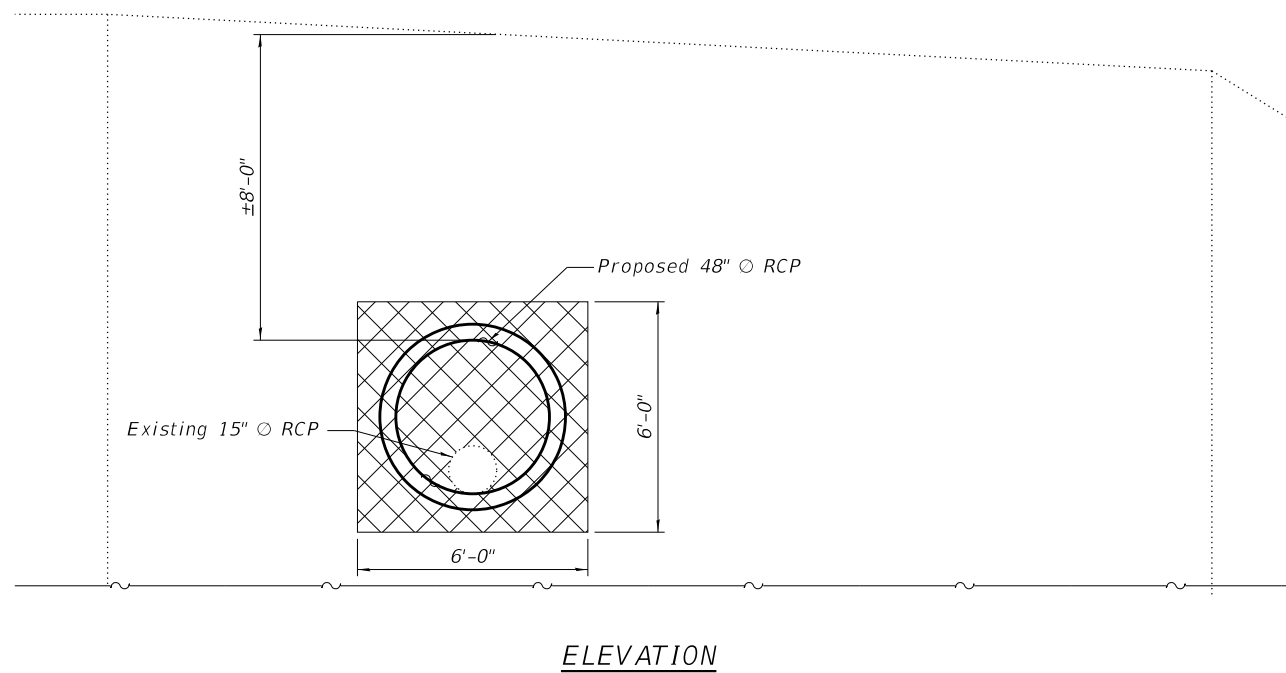
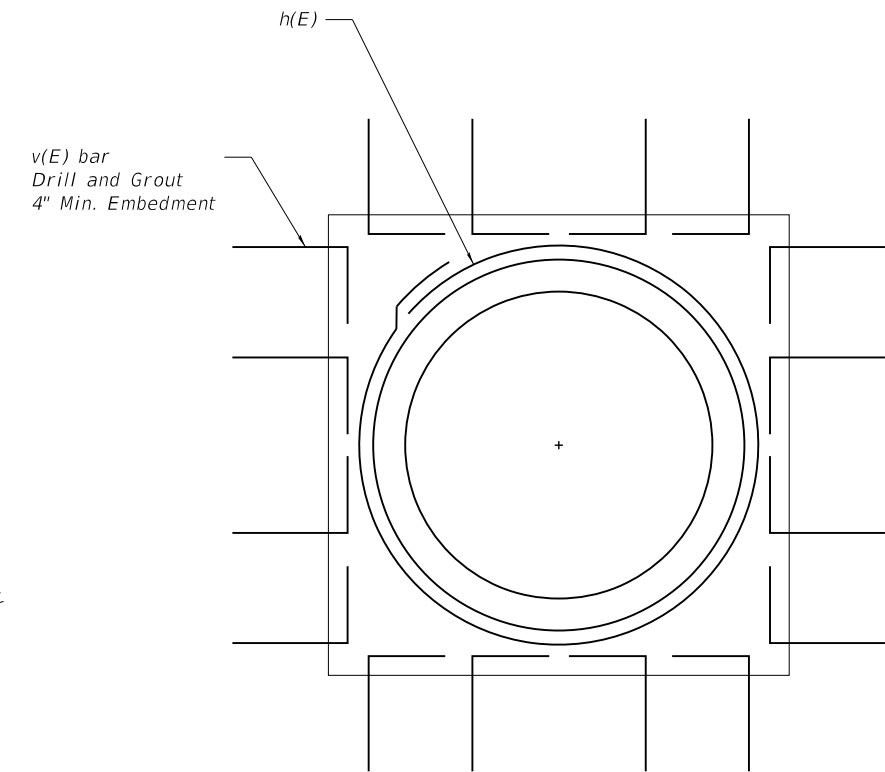
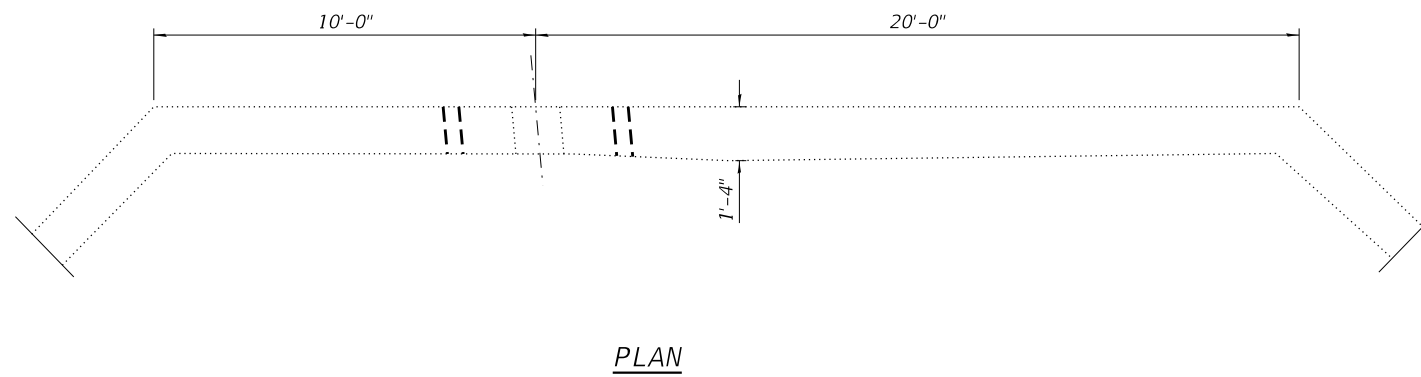
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PLOT DATE = 1/13/2025	CHECKED - ---	REVISED -

CITY OF GENEVA
1800 SOUTH STREET

ELECTRIC VAULT
ILLINOIS ROUTE 38 - EAST STATE STREET

SHEET X OF X

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	386
CONTRACT NO. 61J84			ILLINOIS FED. AID PROJECT	



TOTAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v(E)	40	#5	1'-3"	└┘
h(E)	2	#5	17'-6"	○
Concrete Removal			Cu Yd	1.5
Granular Backfill for Structures			Cu Yd	1
Reinforcement Bars, Epoxy Coated			Pound	90

LEGEND

Concrete Removal

FILE NAME = F:\1961-008 Geneva East State St\ACADD_Sheets\STRUCTURAL\1961-008_RiverWall.dgn



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	CHECKED - ---	REVISED -

**CITY OF GENEVA
1800 SOUTH STREET**

**RIVER WALL
ILLINOIS ROUTE 38 - EAST STATE STREET**

SHEET X OF X

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	387
CONTRACT NO. 61J84				

ILLINOIS FED. AID PROJECT

SEE PLANS AND SPECIFICATIONS FOR SURFACE RESTORATION

WIDTH OF PERMANENT PAVEMENT REMOVAL AND REPLACEMENT FOR PAYMENT

EXISTING SURFACE

TOTAL COVER MINIMUM 12"

TRAFFICKED AREAS MEASURED TO TOP OF SUBGRADE

GREEN AREAS MEASURES TO TOP OF GROUND

TOP OF SUBGRADE

FINAL BACKFILL

INSIDE WALL OF TRENCH OR BRACING

VARIES

RIGID PIPE

12"

INITIAL BACKFILL

1/2 O.D.

1/2 O.D. HAUNCHING

4" BEDDING

FOUNDATION WHERE SOIL CONDITIONS WARRANT

SPECIFIED TRENCH WIDTH

RIGID PIPE INSTALLATION DETAIL

STANDARD DRAWING NO.1

SEE PLANS AND SPECIFICATIONS FOR SURFACE RESTORATION

WIDTH OF PERMANENT PAVEMENT REMOVAL AND REPLACEMENT FOR PAYMENT

EXISTING SURFACE

MINIMUM COVER 12" FOR PIPE UP TO 48"
18" FOR PIPE GREATER THAN 48"

TRAFFICKED AREAS MEASURED TO TOP OF SUBGRADE

GREEN AREAS MEASURED TO TOP OF GROUND

TOP OF SUBGRADE

FINAL BACKFILL

INSIDE WALL OF TRENCH OR BRACING

VARIES

FLEXIBLE PIPE

12"

INITIAL BACKFILL

1/2 O.D.

1/2 O.D. HAUNCHING

4" BEDDING

FOUNDATION WHERE SOIL CONDITIONS WARRANT

SPECIFIED TRENCH WIDTH

FLEXIBLE PIPE INSTALLATION DETAIL

STANDARD DRAWING NO.2

FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



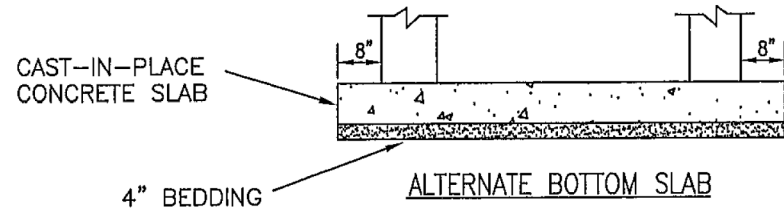
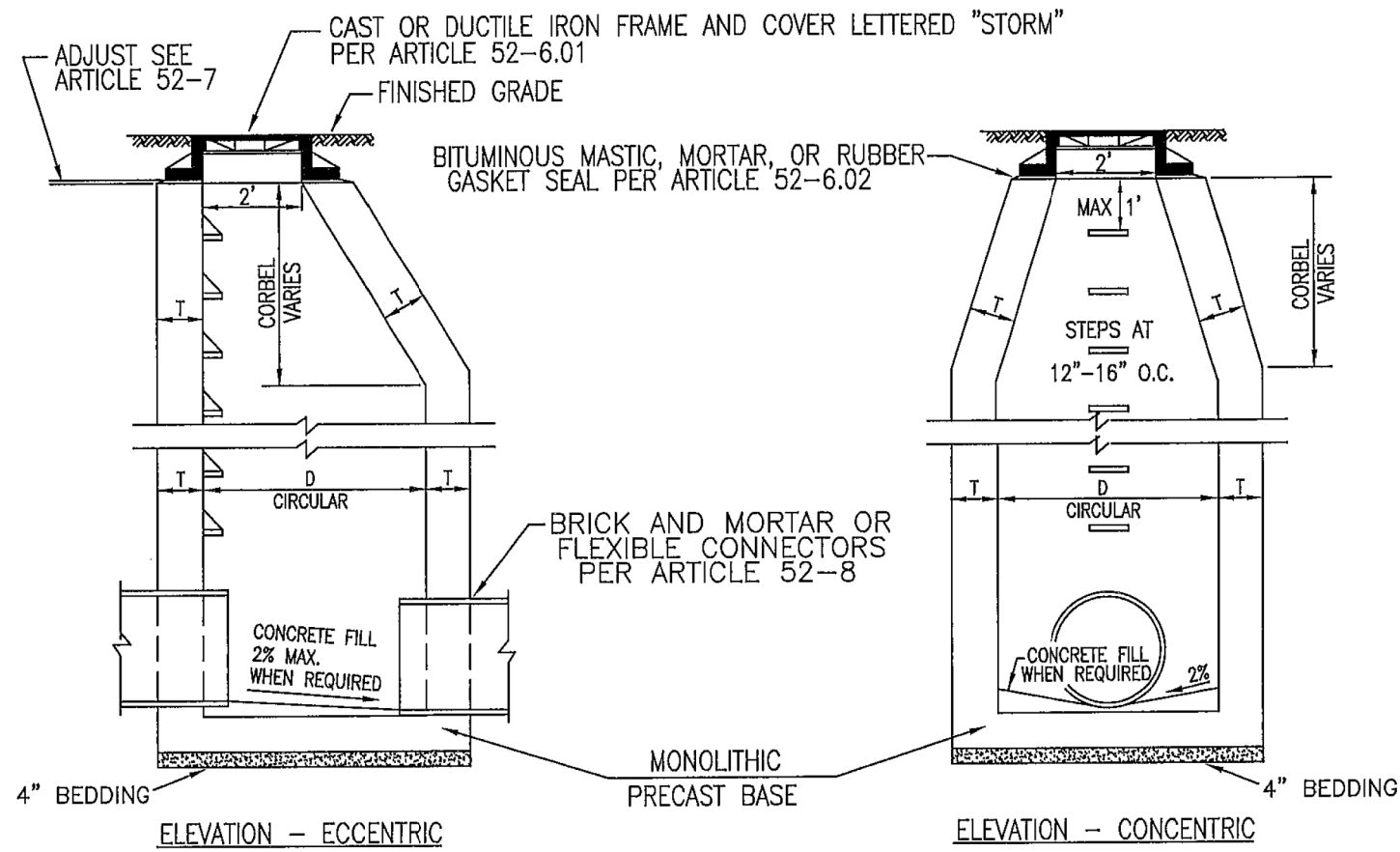
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	388
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



ALT. MATERIALS FOR WALLS	D	T (MIN.)
CONCRETE MASONRY UNITS	4 FEET	5 IN
	5 FEET	5 IN
	6 FEET	5 IN
BRICK MASONRY	4 FEET	8 IN
	5 FEET	8 IN
	6 FEET	8 IN
PRECAST REIN. CONCRETE SECT.	4 FEET	4 IN
	5 FEET	5 IN
	6 FEET	6 IN
CAST-IN-PLACE CONCRETE.	4 FEET	6 IN
	5 FEET	6 IN
	6 FEET	6 IN

MANHOLE STEPS WHEN REQUIRED, SHALL BE FURNISHED AND INSTALLED AS SHOWN ON THE PLAN IN ACCORDANCE WITH ARTICLE 52-5

REFERENCE SECTION 52 FOR STORM SEWER MANHOLE SPECIFICATIONS

TYPICAL STORM MANHOLE "A"
STANDARD DRAWING NO. 3stm

FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



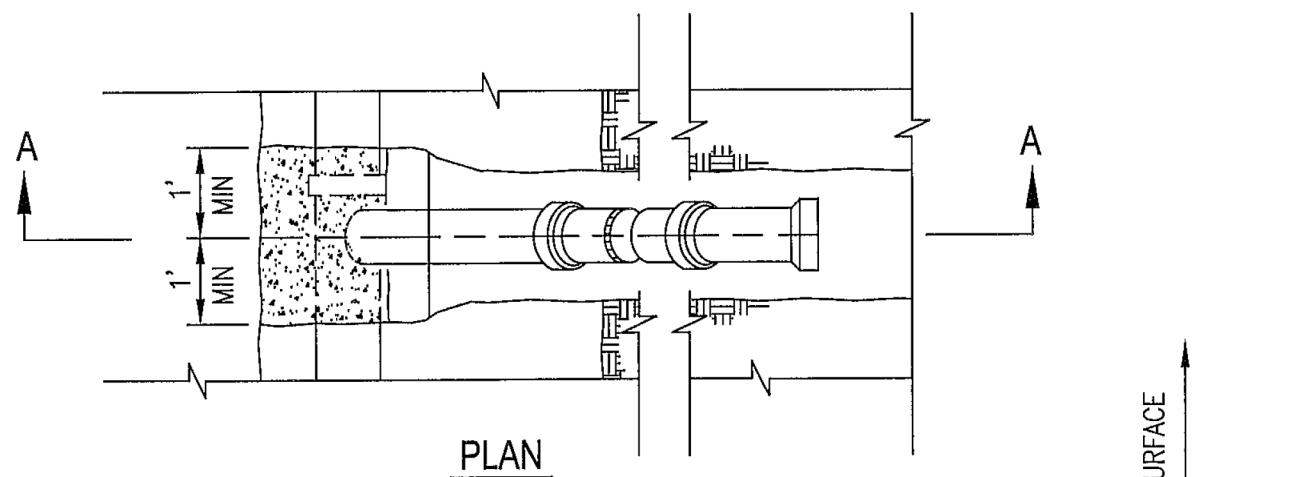
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	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

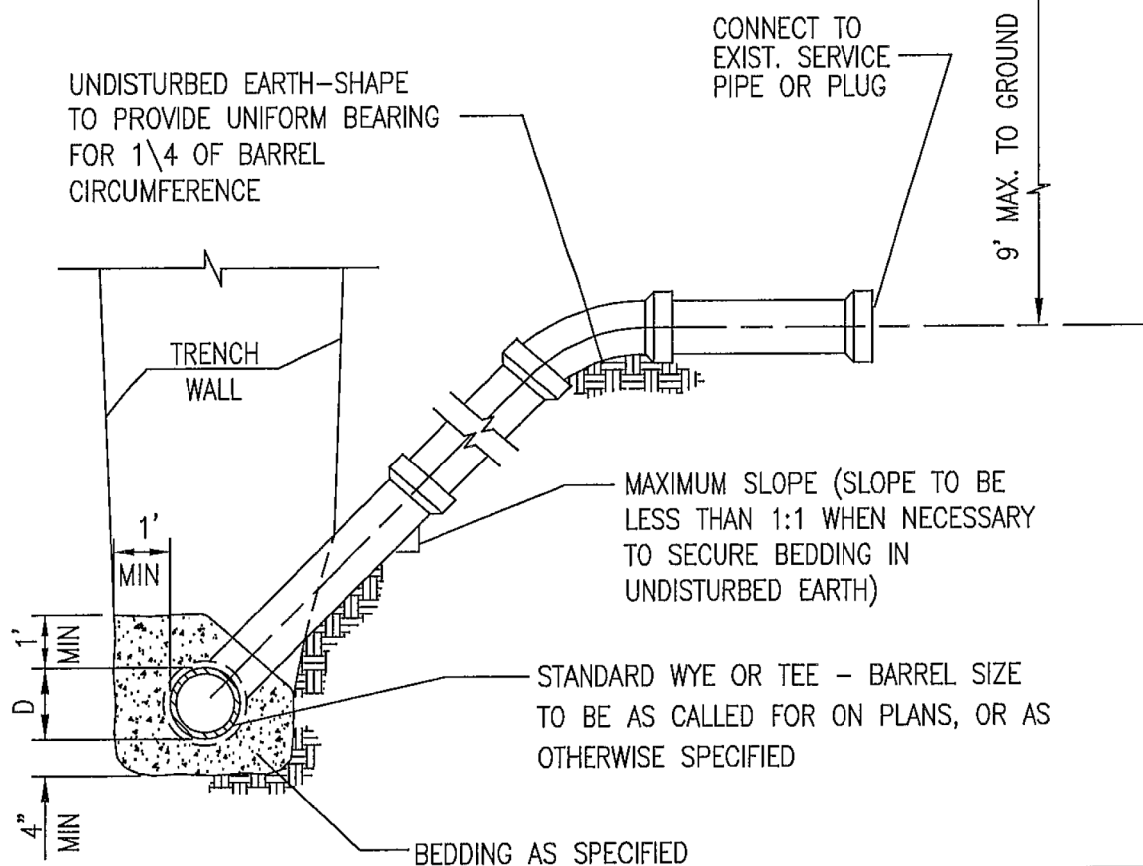
ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	389
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



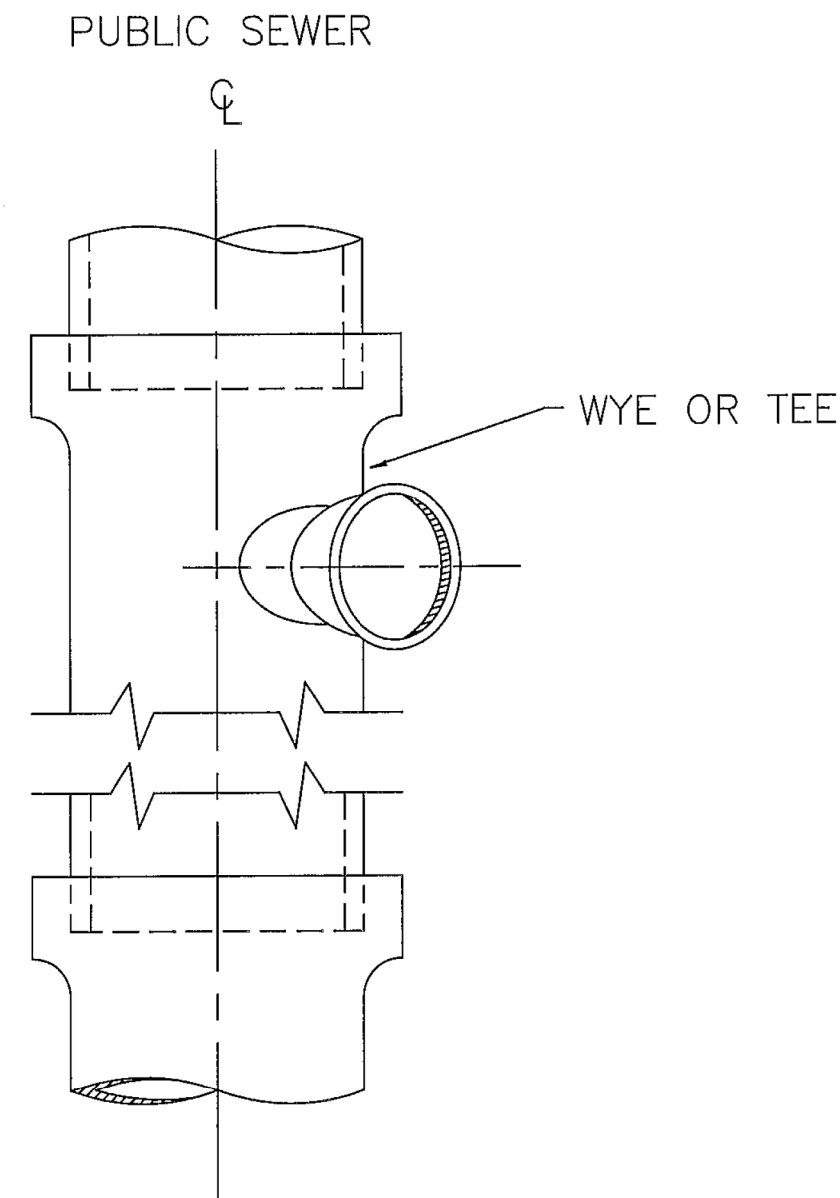
PLAN



SECTION A-A

TYPICAL RISER FOR
STORM SERVICE
LATERAL

STANDARD DRAWING NO.7stm



PLAN OF SEWER
AT HOUSE INLET

TYPICAL HOUSE INLET
STORM

STANDARD DRAWING NO.8stm

WHERE TEES AND WYES ARE NOT PROVIDED, TAPPING SADDLES, INSERTED TEES, OR STAB CONNECTIONS MAY BE REQUIRED PER PROJECT SPECIFICATIONS. AXIS OF OUTLET PLACED AT 45° SLOPE WITH HORIZONTAL. OUTLET TO BE PROVIDED WITH STOPPER

FILE NAME = FA\961-000 Genevo Est. State St\CAADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
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	DATE - 11/7/2024	REVISED -

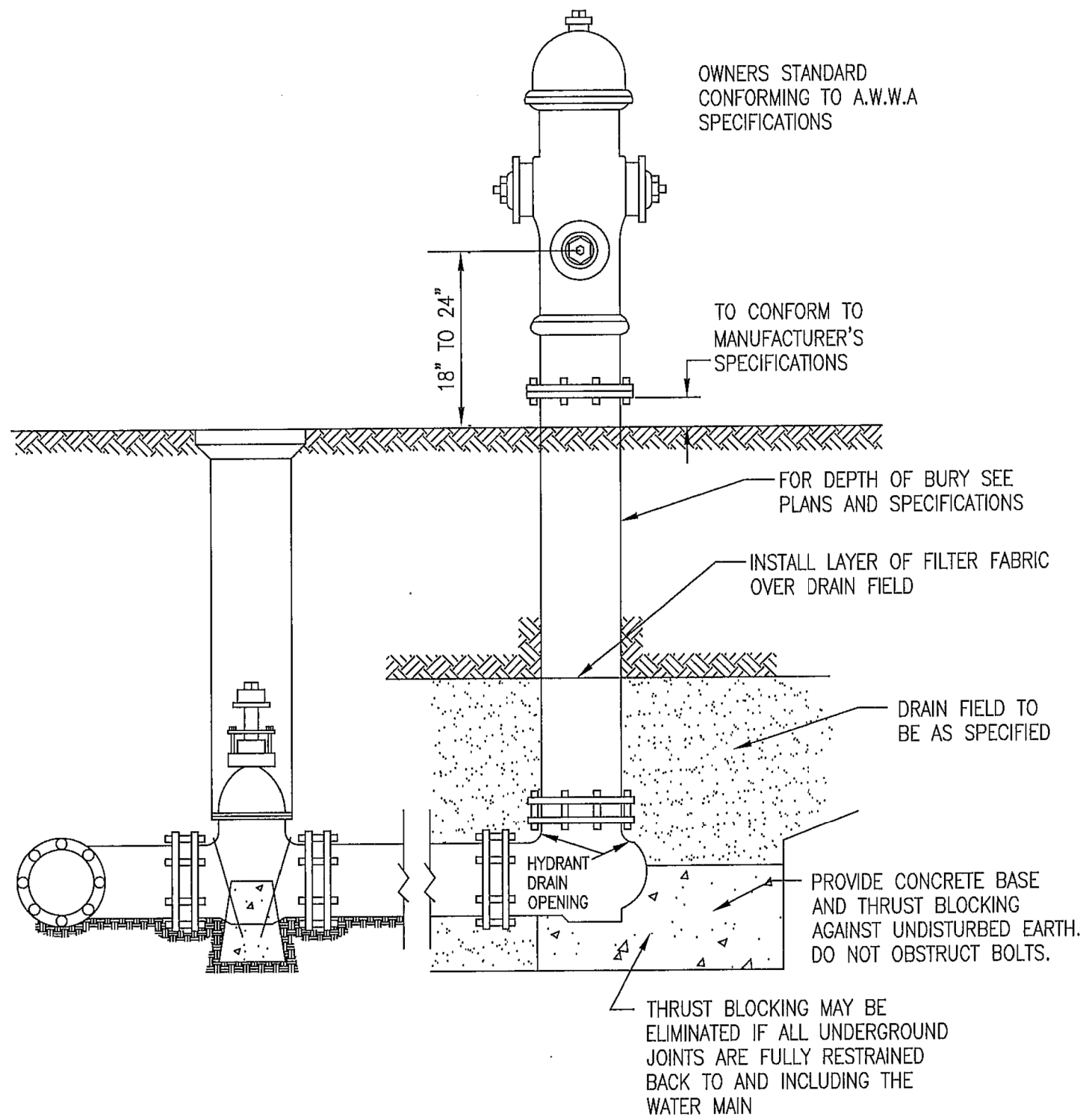
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

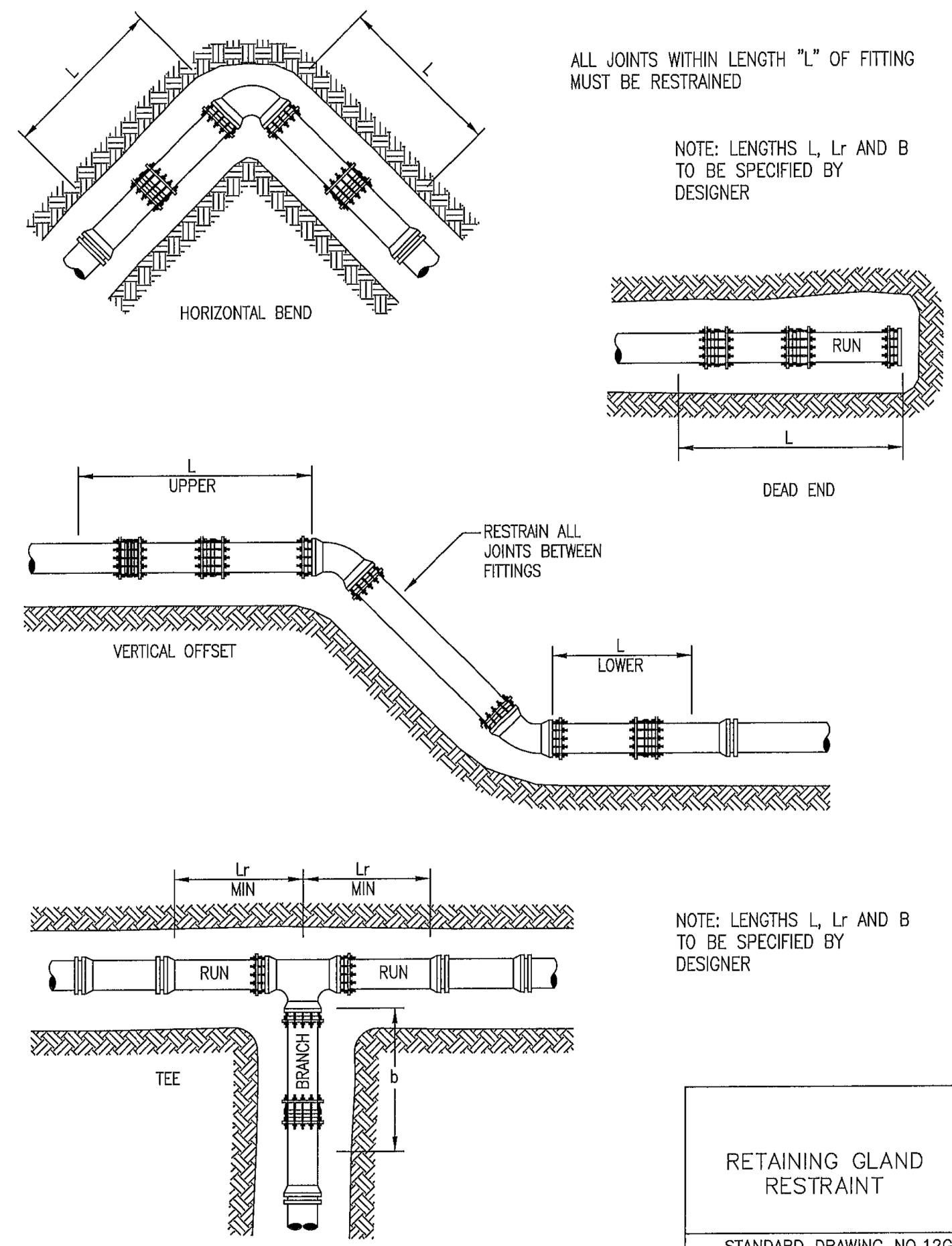
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	390
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

FILE NAME = FA\961-0000 Geneva East State St\CADD_Sheets\961-0000_SHT_WATER_SANIT_DETAILS.dwg



NOTE: CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

TYPICAL HYDRANT INSTALLATION
STANDARD DRAWING NO.11



NOTE: LENGTHS L, Lr AND B TO BE SPECIFIED BY DESIGNER

RETAINING GLAND RESTRAINT
STANDARD DRAWING NO.12G



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

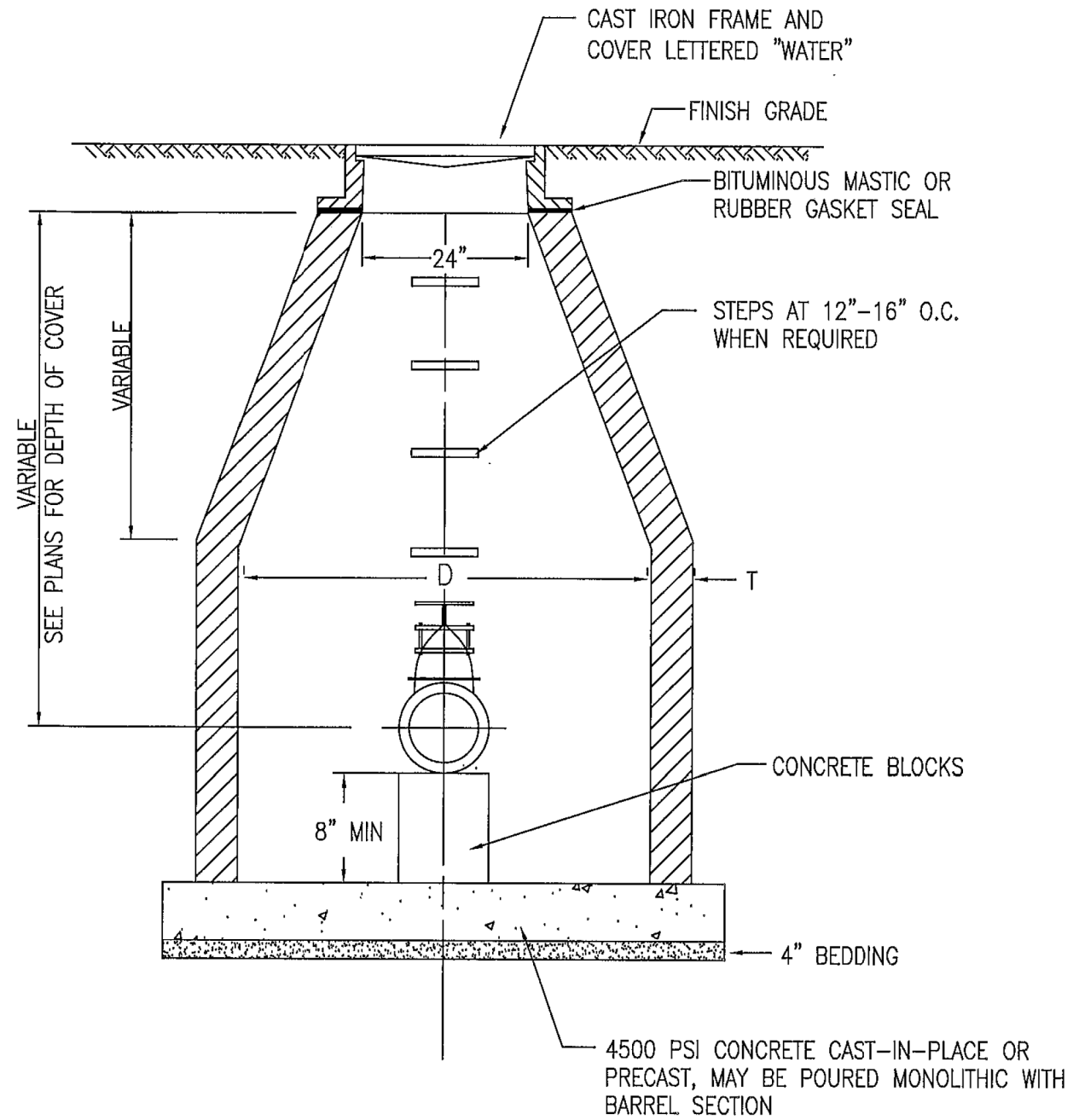
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	391
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

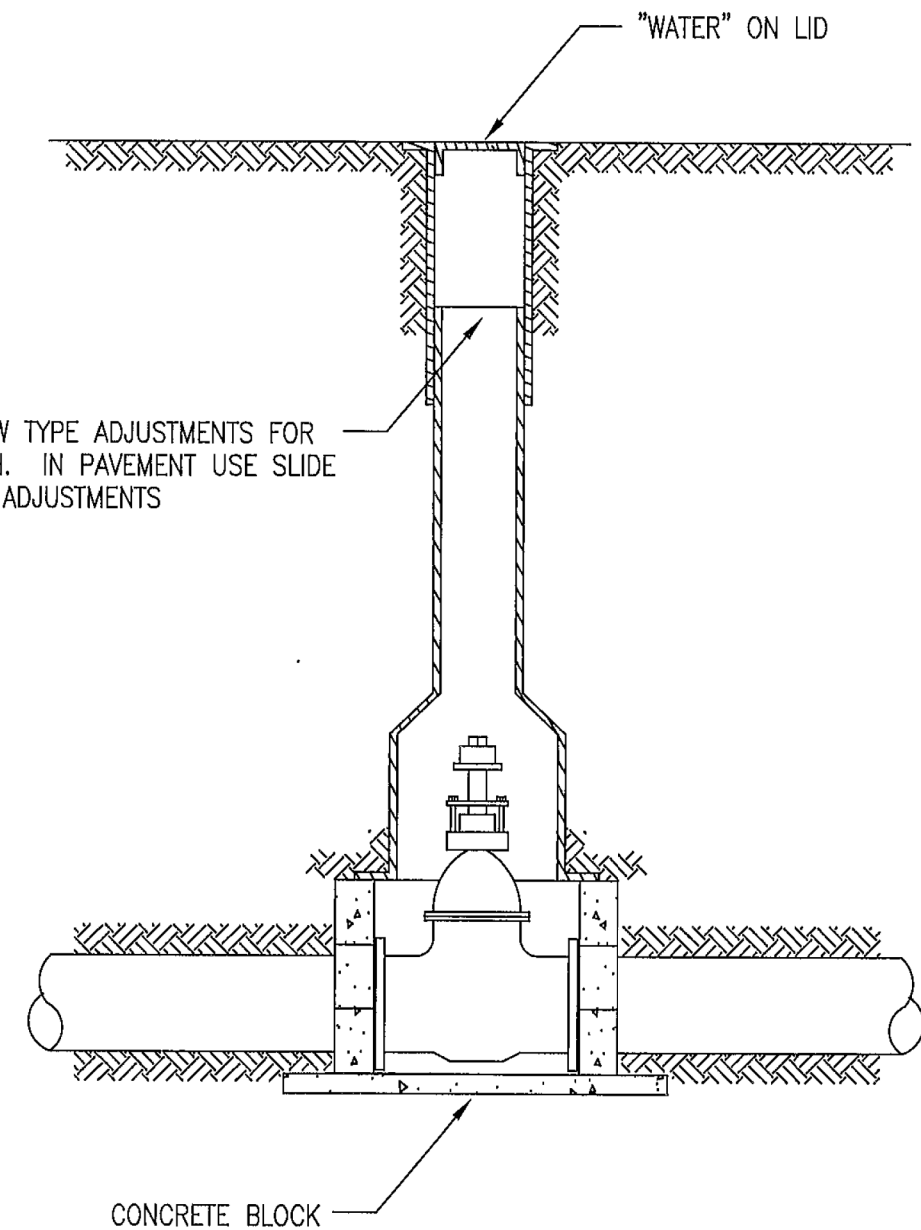
MATERIAL WALL THICKNESS (T)
 PRECAST CONC. - MIN 1/12 "D"
 CAST IN PLACE CONC. MIN. 6"



NOTE: VALVE VAULT DIA. SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.
 D = DIAMETER OF MANHOLE

TYPICAL VALVE VAULT
 DETAIL

STANDARD DRAWING NO.13



TYPICAL VALVE BOX
 INSTALLATION

STANDARD DRAWING NO.14

FILE NAME = FA\961-000 Genevo Est. State St\CAADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - GJE	REVISED -
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	DATE - 11/7/2024	REVISED -

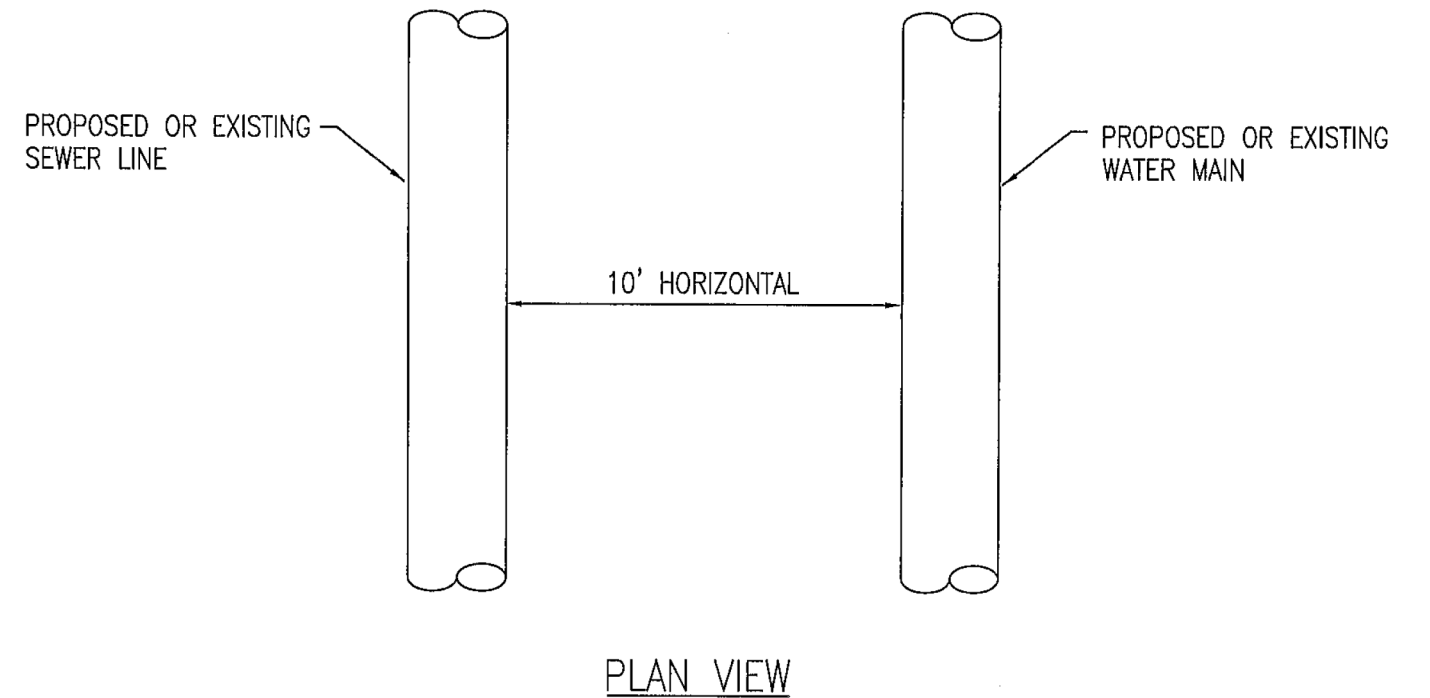
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET
 CONSTRUCTION DETAILS

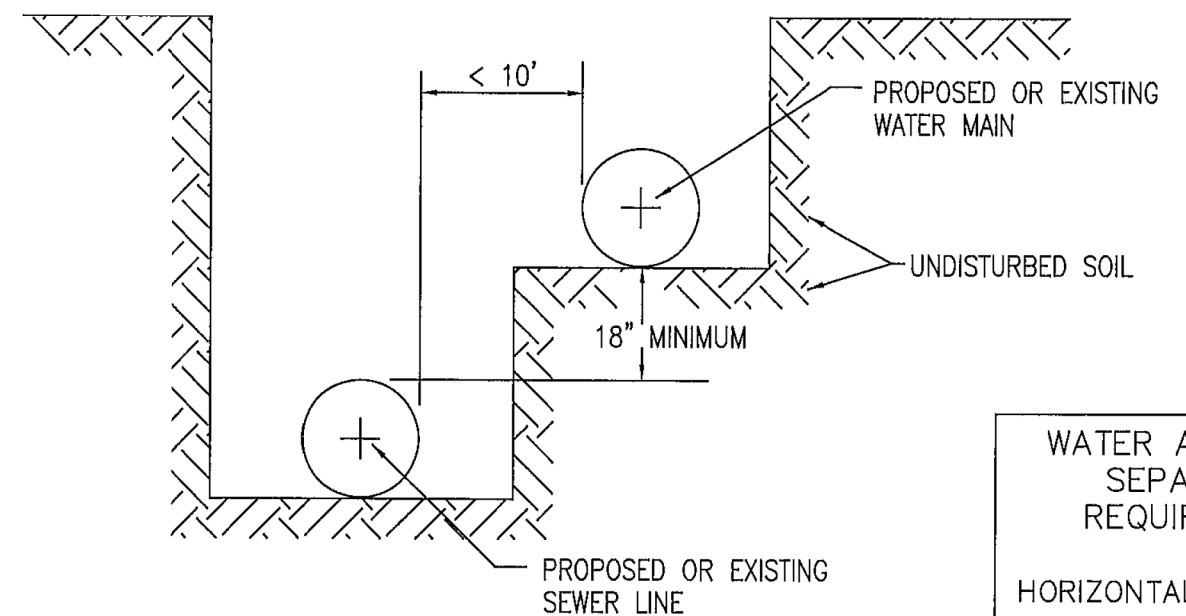
SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	392
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

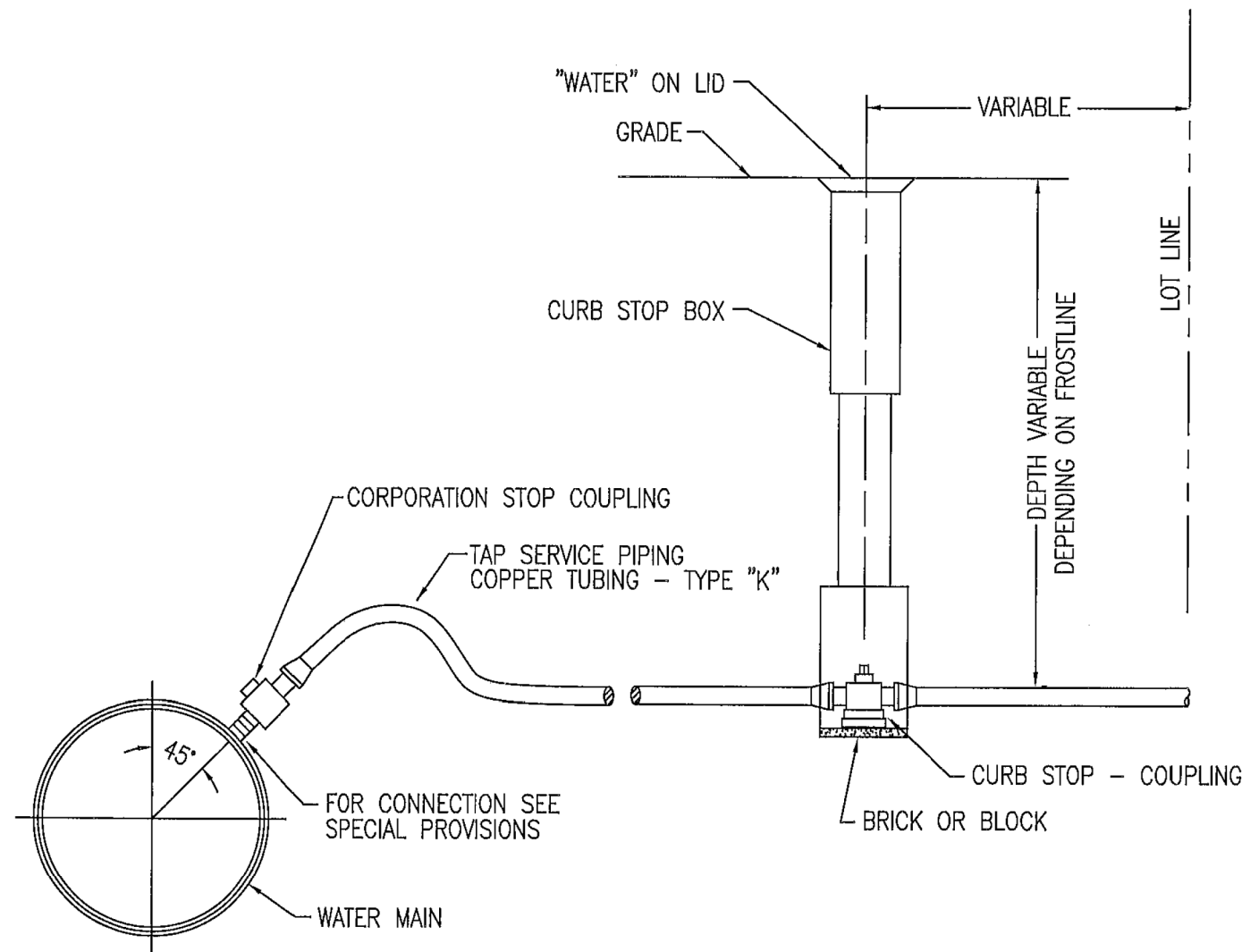
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE ARTICLE 41-2.01A (1)



WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE ARTICLE 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS
HORIZONTAL SEPARATION
STANDARD DRAWING NO.18



TYPICAL TAP SERVICE PIPING (COPPER)

STANDARD DRAWING NO.17

FILE NAME = FA\961-000 Genevo East State St\CADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn

BLA, Inc.

USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

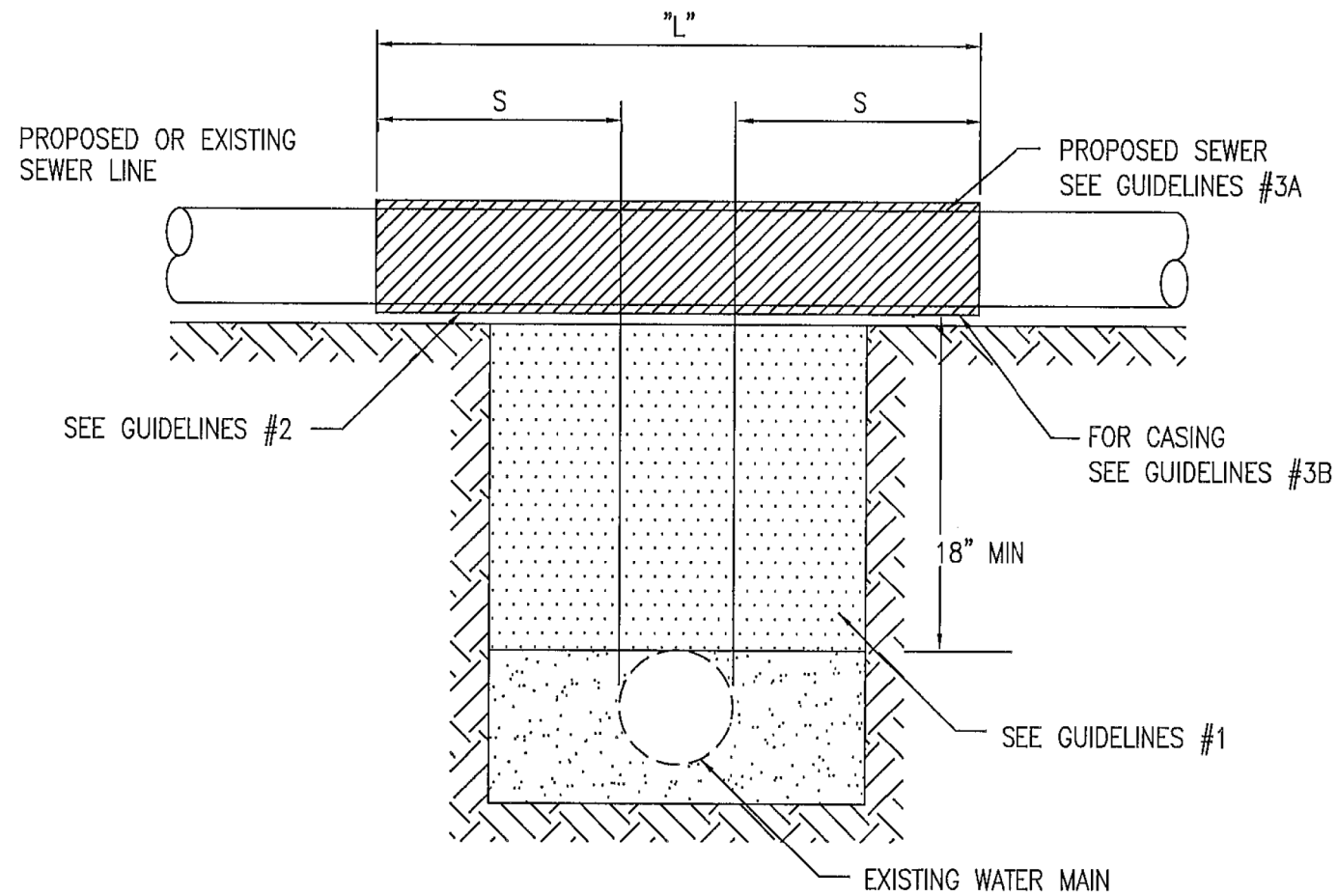
ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	393
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



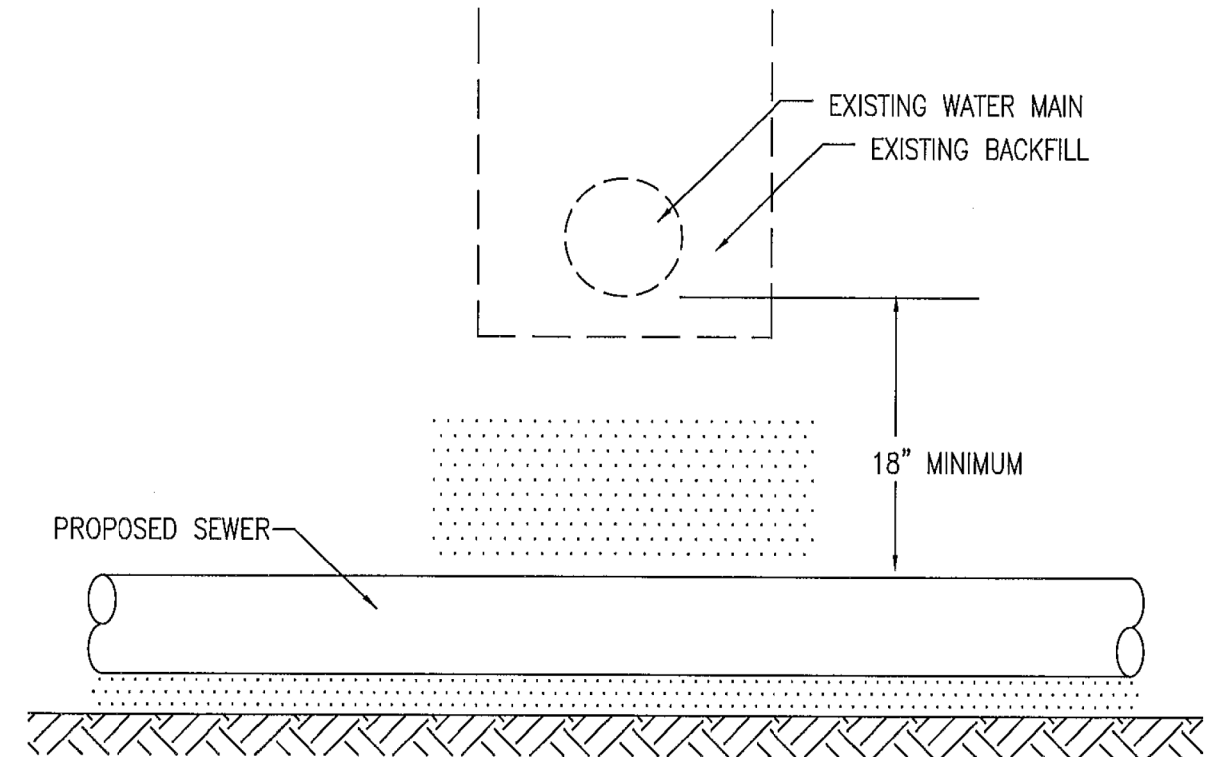
NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.19

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.20

FILE NAME = FA\961-000 Genevo Est. State St\CADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

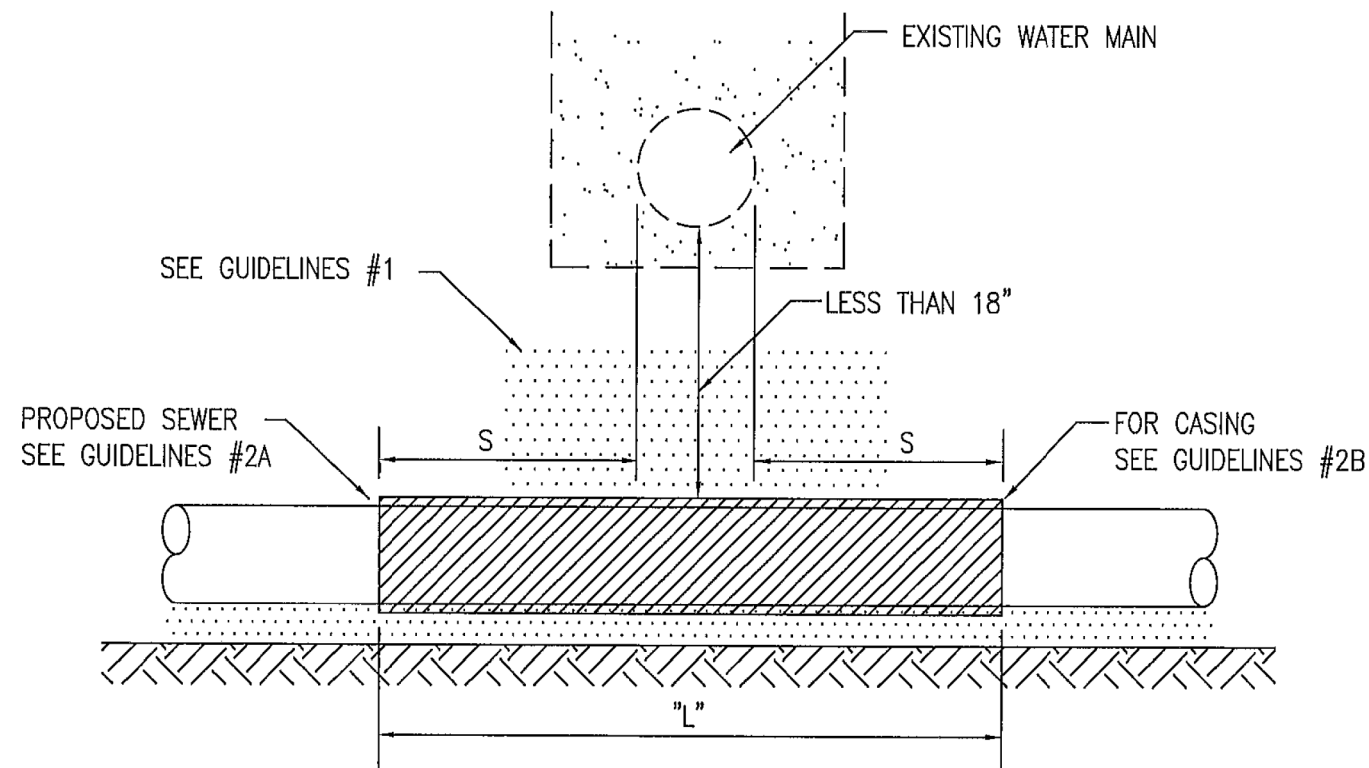
ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	394
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

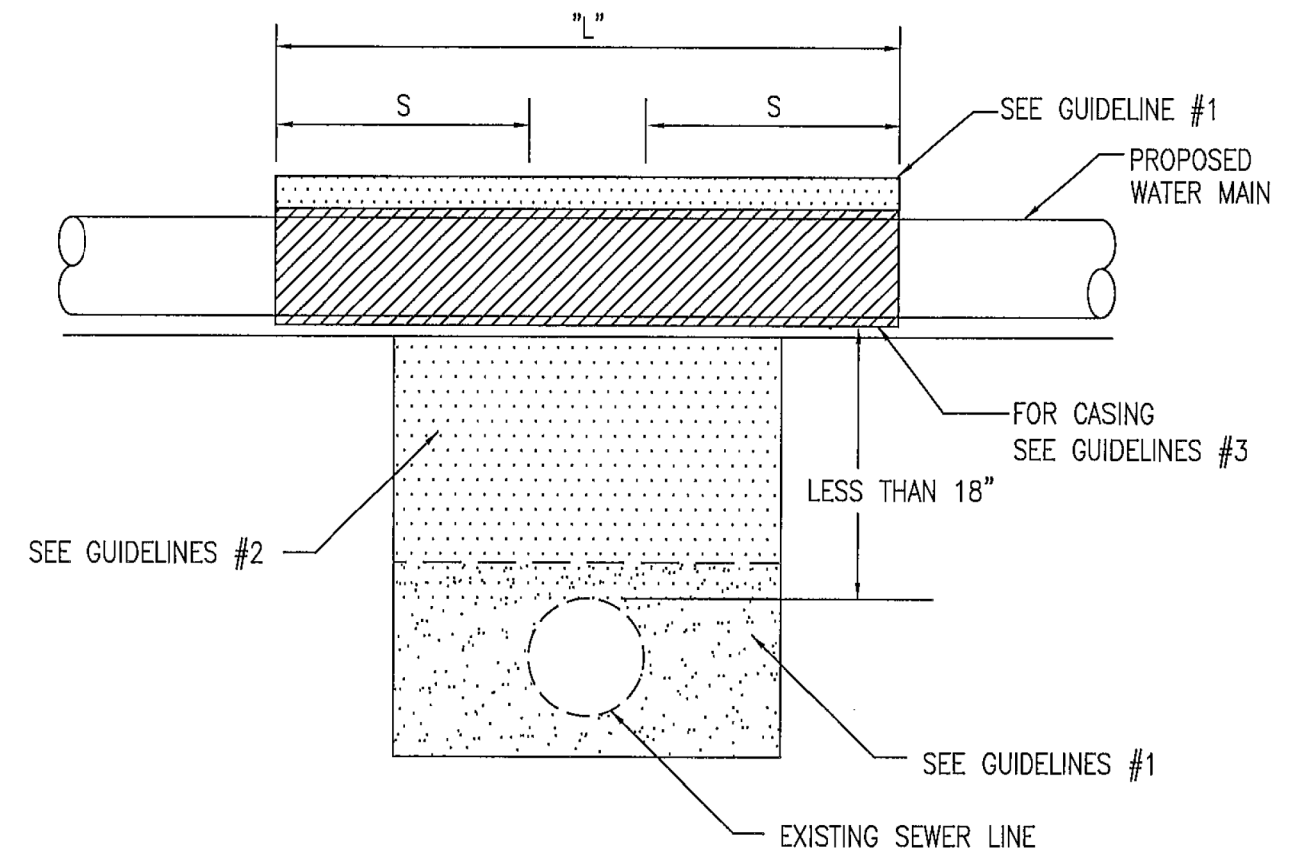
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.21

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.22

FILE NAME = FA\961-000 Genevo East State St\CA000_Sheets\961-000_SHT_WATER_SEWER_DETAILS.dgn



USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

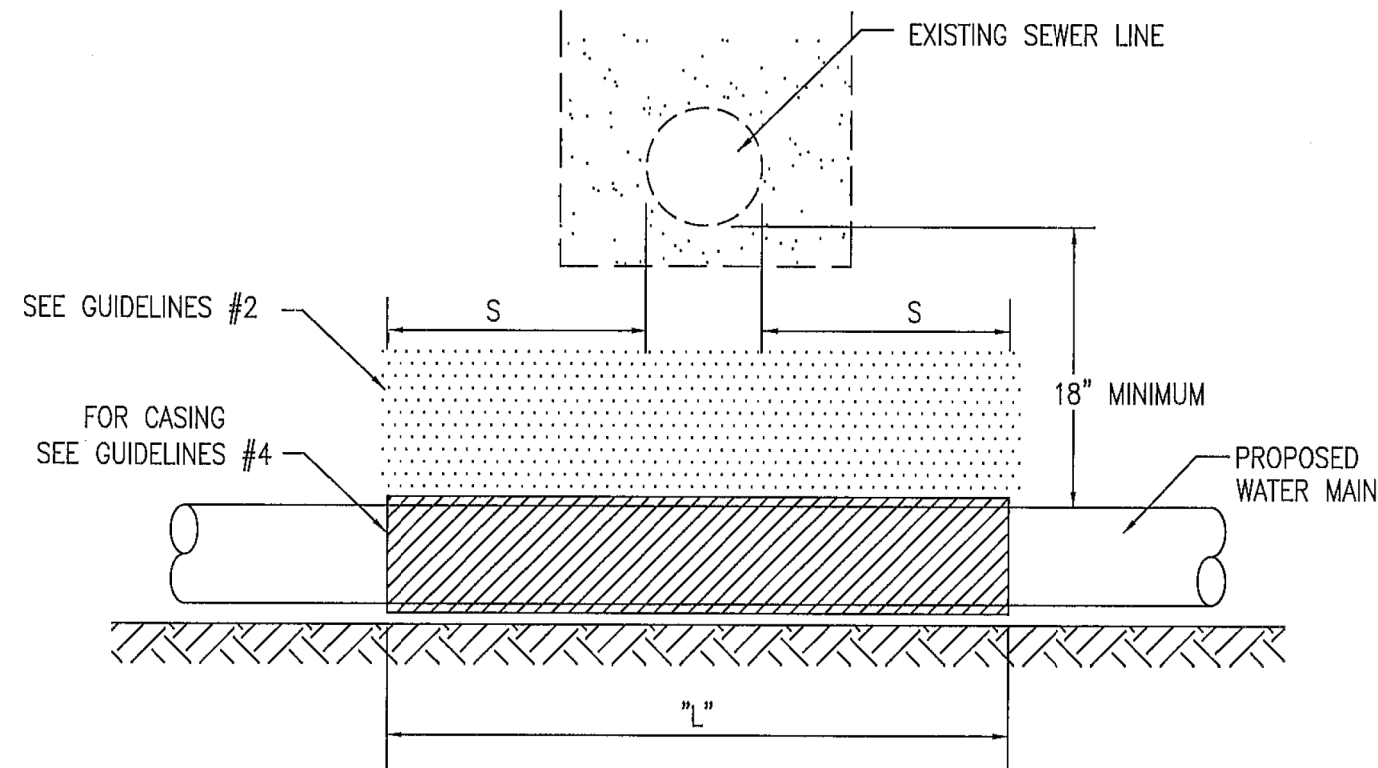
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 38 - EAST STATE STREET	
CONSTRUCTION DETAILS	
SCALE:	SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	395
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



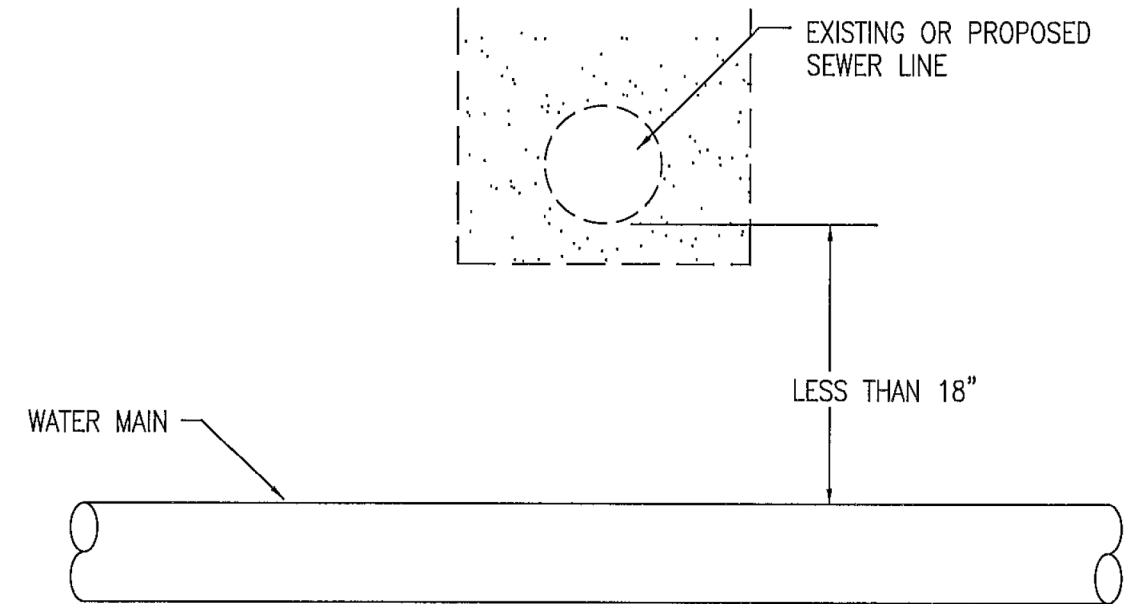
NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.23

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED.**



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

WATER AND SEWER SEPARATION REQUIREMENTS
VERTICAL SEPARATION
STANDARD DRAWING NO.24

FILE NAME = FA\961-000_Genevo_East_State_St\CADD_Sheets\961-000_SHT_WATER_SANT_DETAILS.dgn



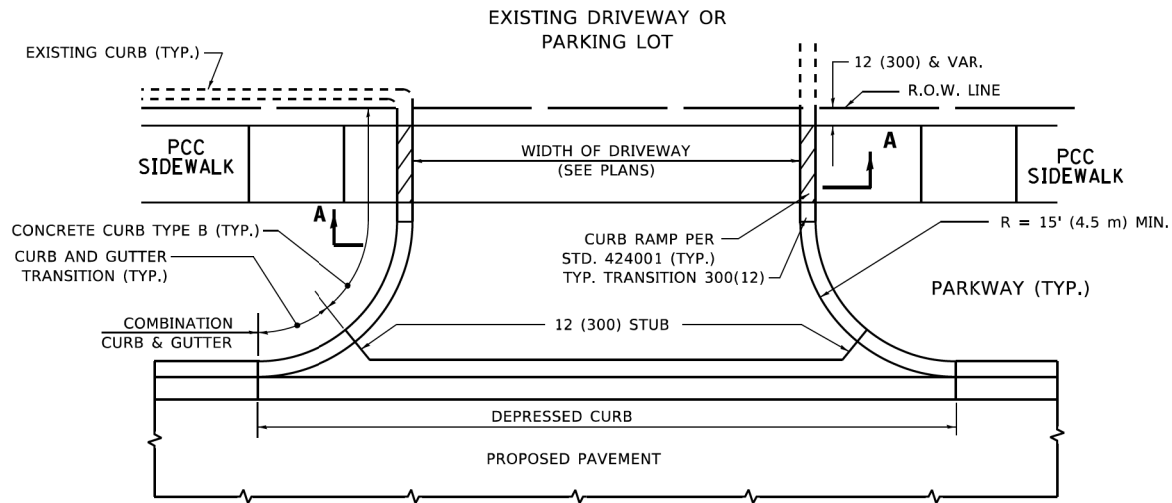
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PLOT SCALE = 40.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

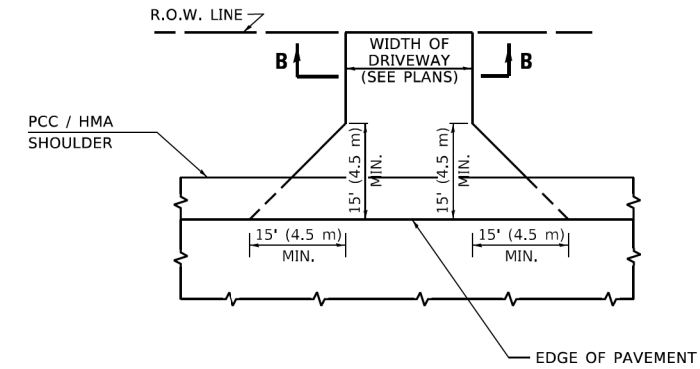
ILLINOIS ROUTE 38 - EAST STATE STREET
CONSTRUCTION DETAILS

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

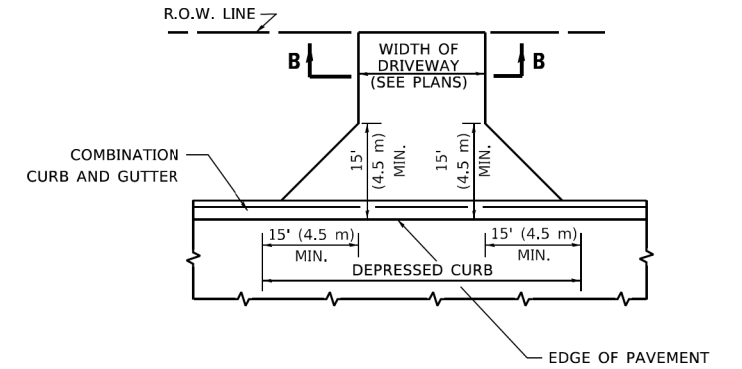
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	396
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



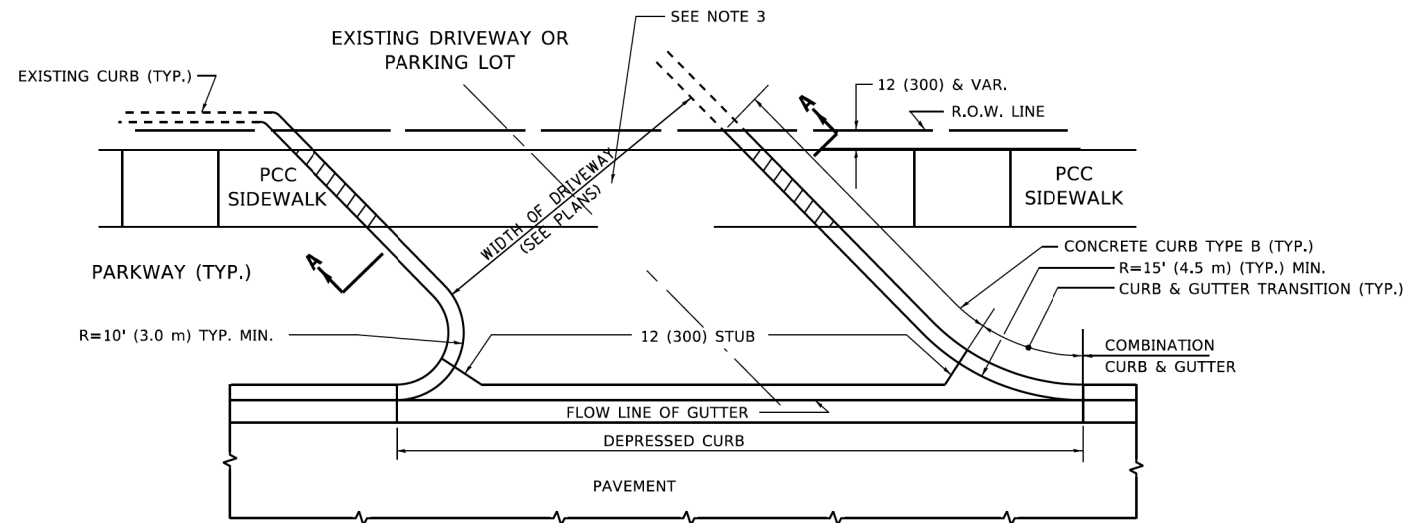
WITH CONCRETE CURB, TYPE B



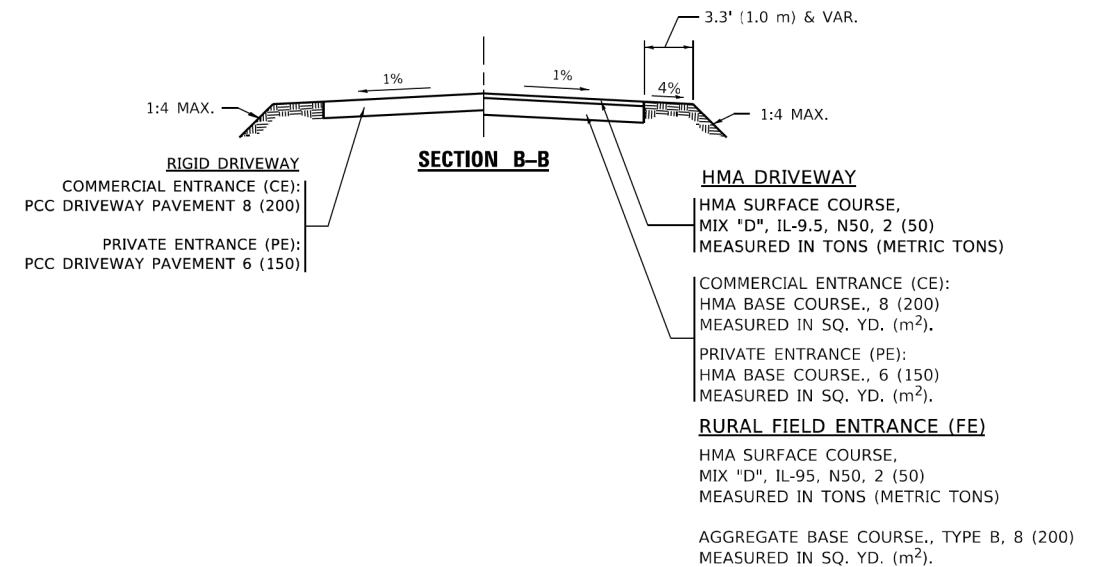
ADJACENT TO PCC /HMA SHOULDER



ADJACENT TO CURB AND GUTTER



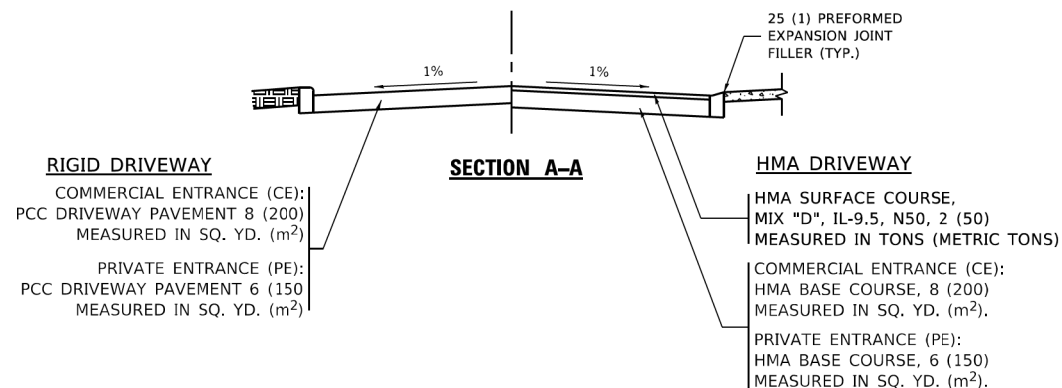
WITH CONCRETE CURB, TYPE B



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.



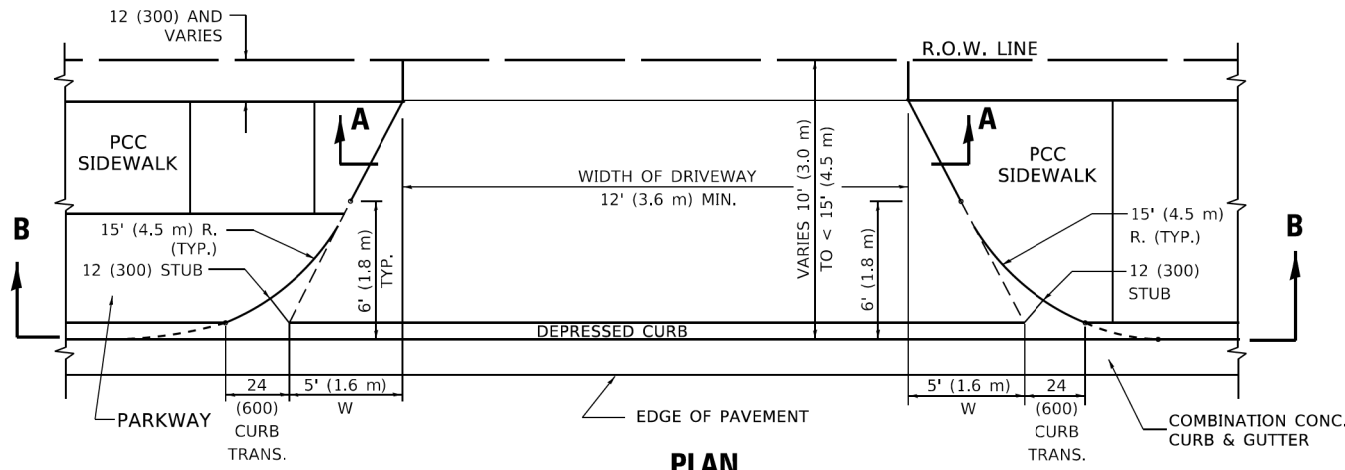
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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 08-28-19
PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

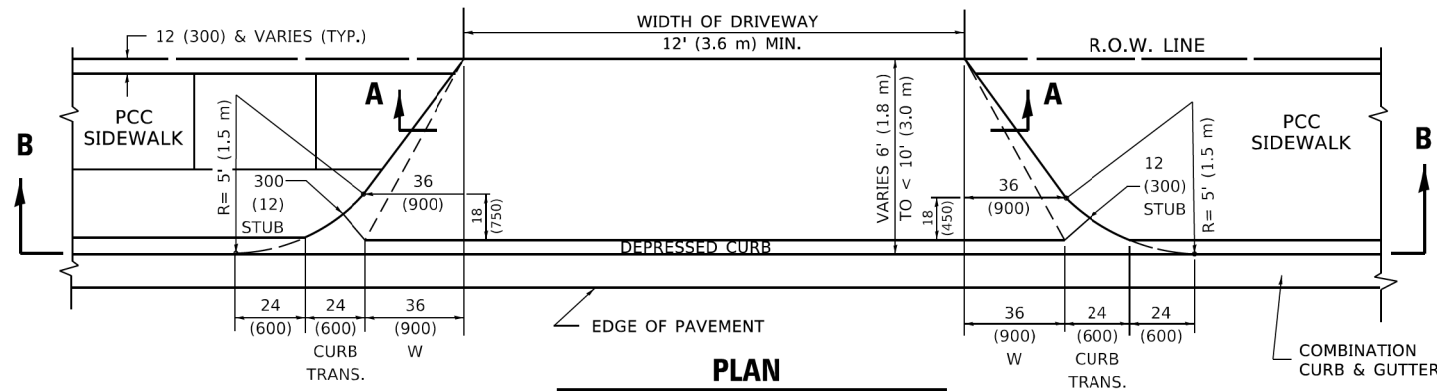
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

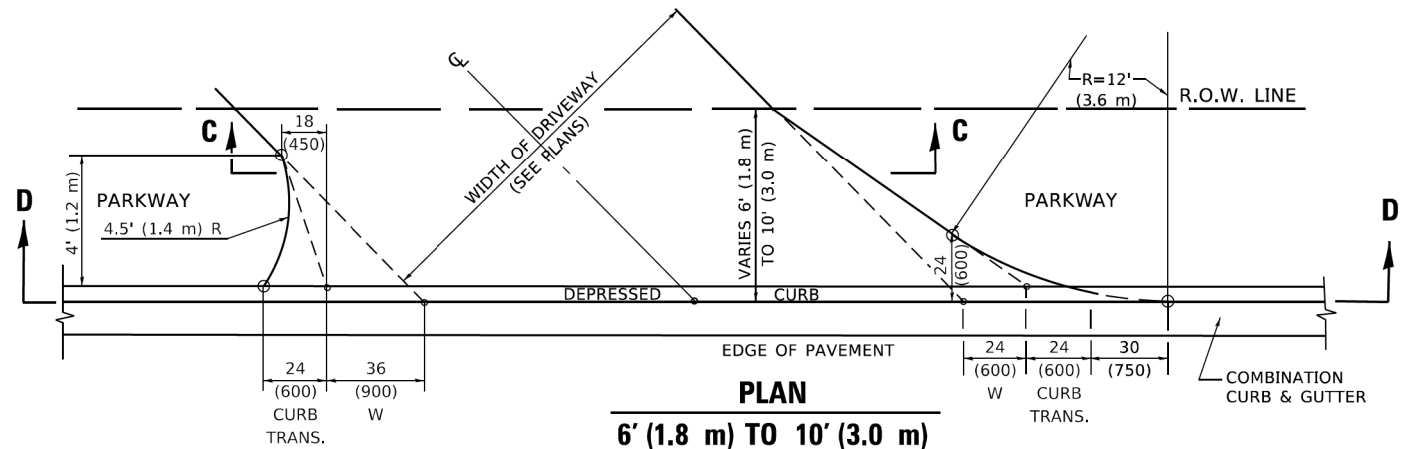
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-01 (BD-01)		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				



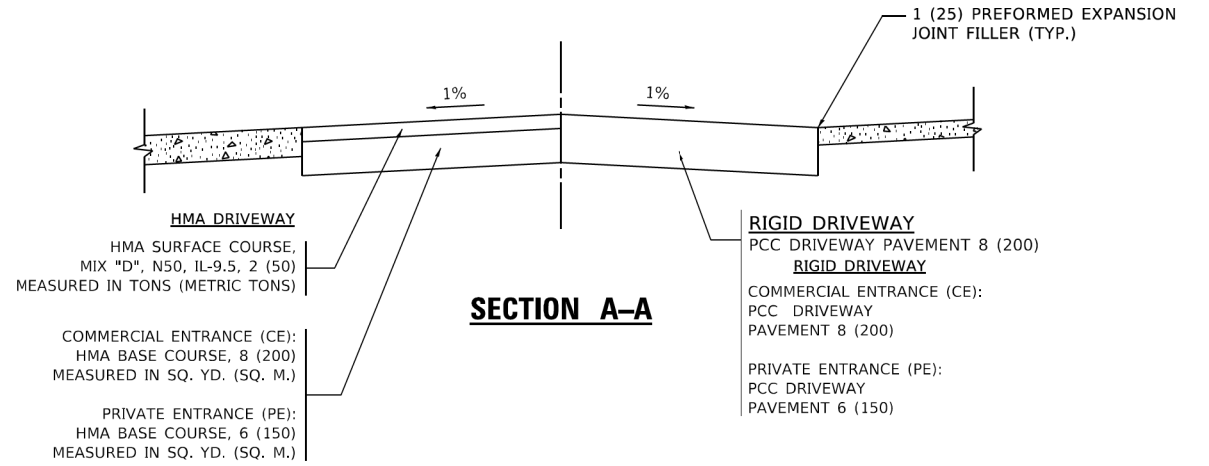
PLAN
10' (3.0 m) TO < 15' (4.5 m)



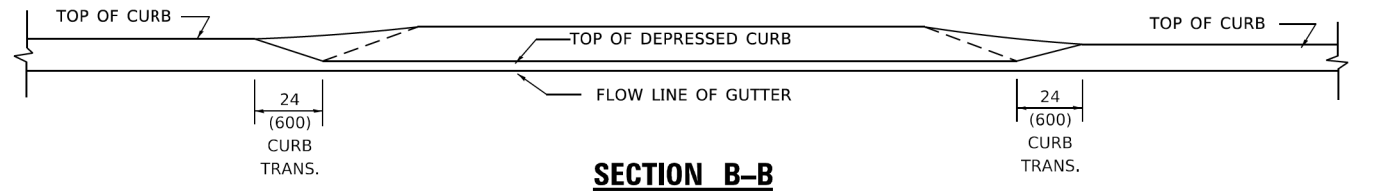
PLAN
6' (1.8 m) TO < 10' (3.0 m)



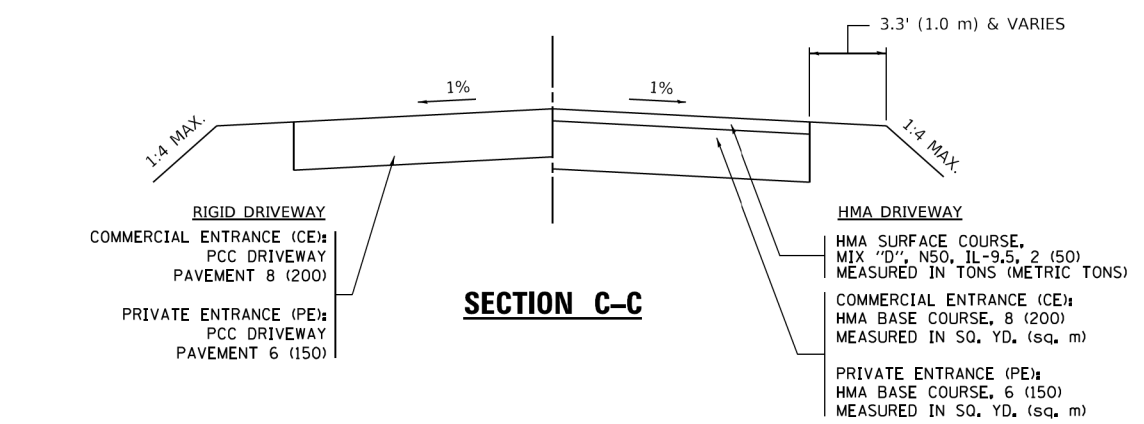
PLAN
6' (1.8 m) TO 10' (3.0 m)



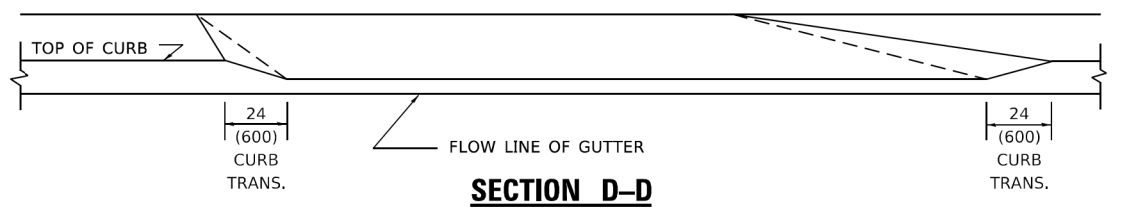
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

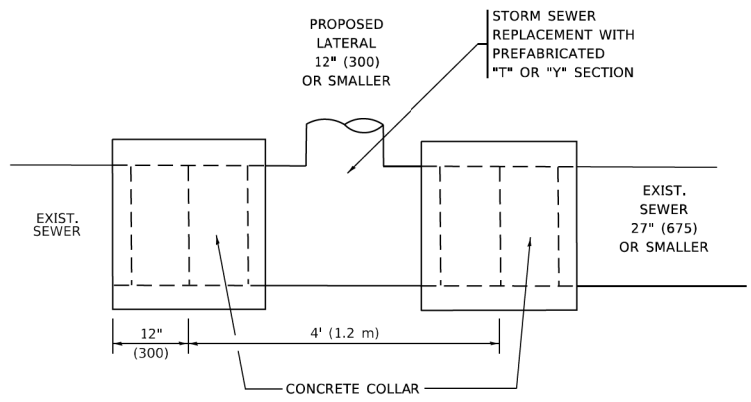
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DATE: 11/18/2022

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

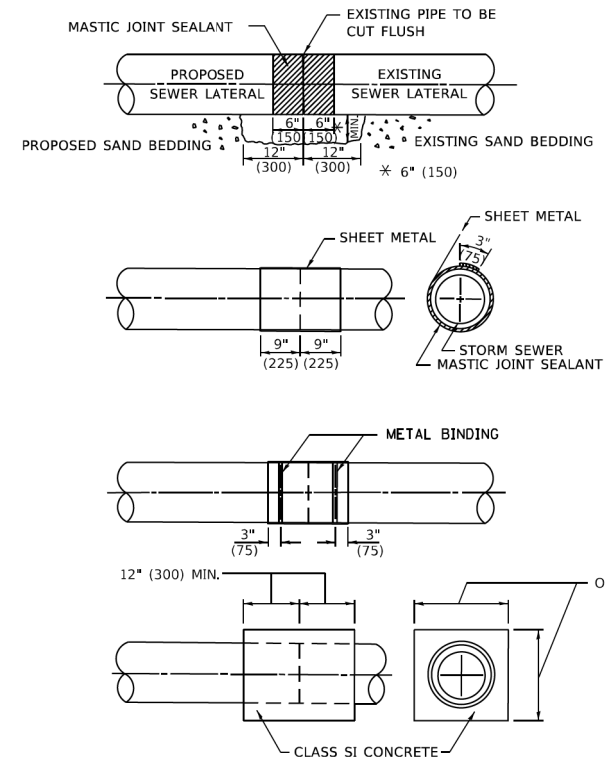
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-02 (BD-02)			CONTRACT NO. 61J84	
ILLINOIS FED. AID PROJECT				



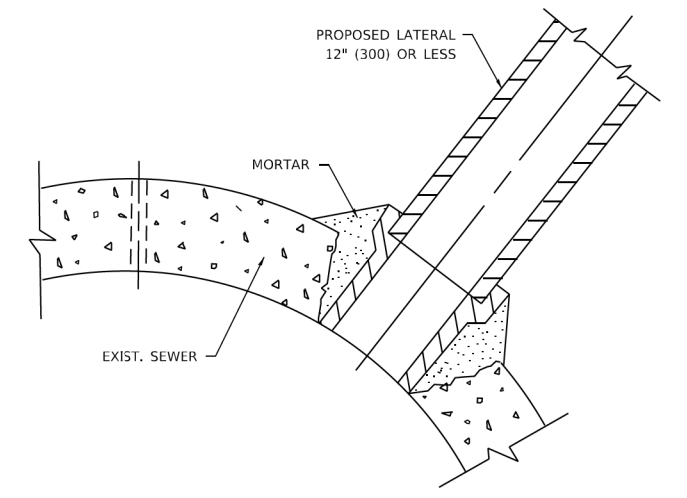
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

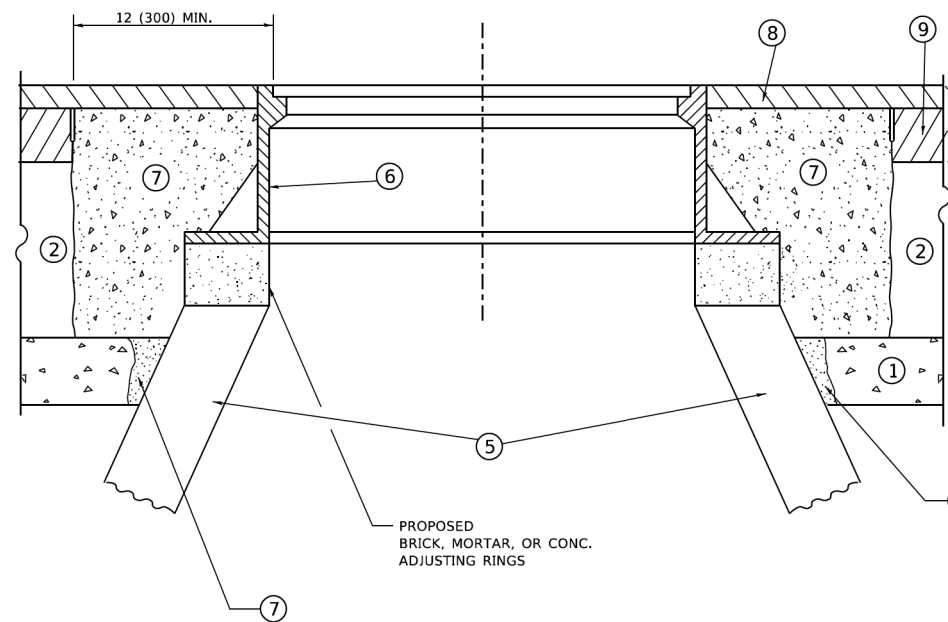
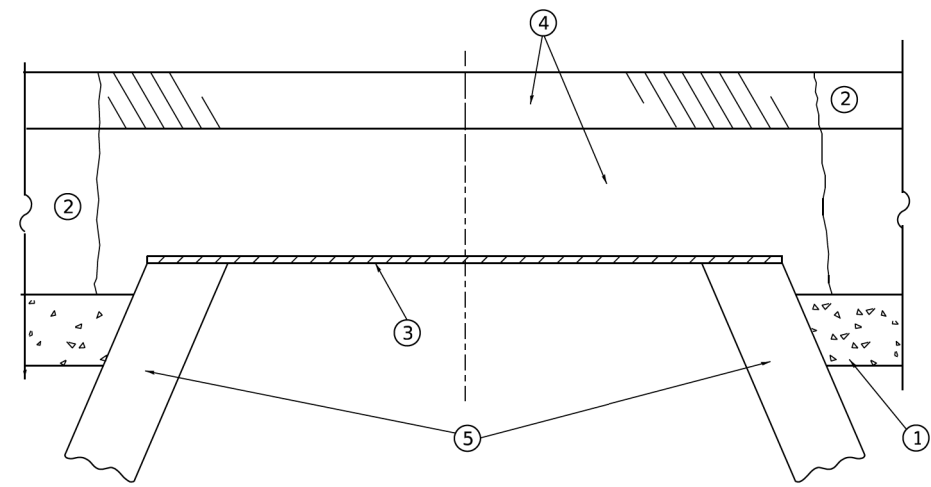
BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
2. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
3. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
FILE: \\p01111111\p01111111\p01111111\p01111111\p01111111\p01111111\p01111111\p01111111\p01111111\p01111111.dgn

USER NAME = Lawrence,DeManche DESIGNED - M. DE YONG DRAWN - PLOT SCALE = 100.0000' / in. PLOT DATE = 11/18/2022	DESIGNED - M. DE YONG DRAWN - CHECKED - DATE - 07-25-90	REVISED - R. SHAH 09-09-94 REVISED - R. SHAH 10-25-94 REVISED - R. SHAH 06-12-96 REVISED - K. SMITH 11-18-22	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				0347	05-00102-00-PV	KANE	488	399	BD500-01 (BD-07) CONTRACT NO. 61J84		ILLINOIS
SCALE: NONE				SHEET 1	OF 1	SHEETS	STA.	TO STA.			



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL Detail
FILE Name: W:\ASST0223\310b08.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	400
BD600-03 (BD-08)			CONTRACT NO. 61J84	
ILLINOIS FED. AID PROJECT				