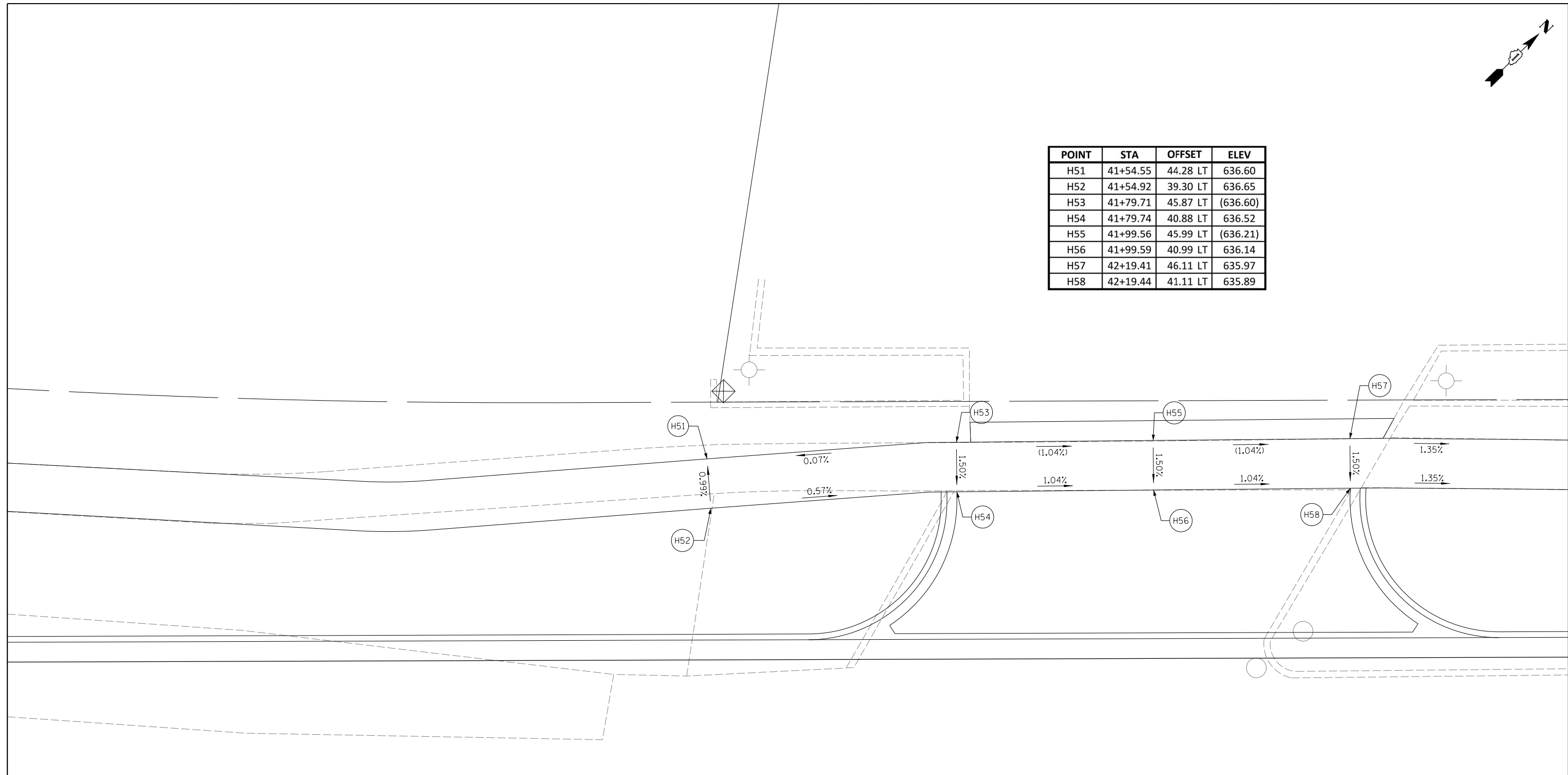
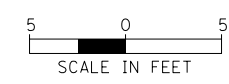


POINT	STA	OFFSET	ELEV
H51	41+54.55	44.28 LT	636.60
H52	41+54.92	39.30 LT	636.65
H53	41+79.71	45.87 LT	(636.60)
H54	41+79.74	40.88 LT	636.52
H55	41+99.56	45.99 LT	(636.21)
H56	41+99.59	40.99 LT	636.14
H57	42+19.41	46.11 LT	635.97
H58	42+19.44	41.11 LT	635.89

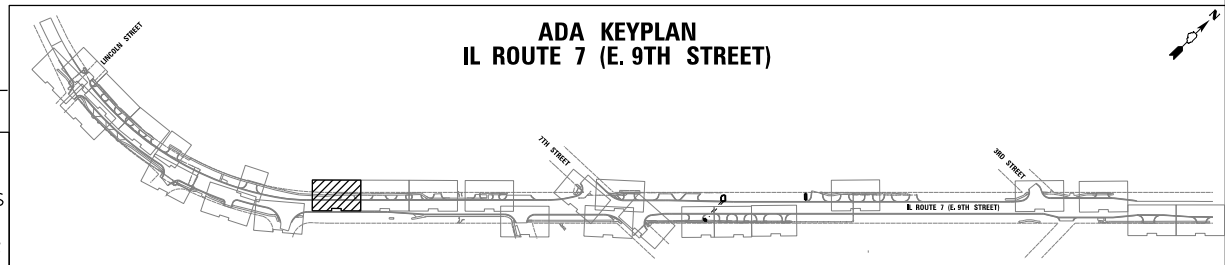


E. 9th STREET (IL RT.7)

41



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

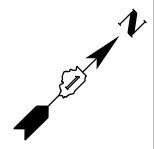
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = oschofer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	DRAWN - JTA	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 7 (E. 9TH STREET) ADA RAMP DETAILS	
SCALE: 1:5	SHEET NO. 10 OF 26 SHEETS
STA.	TO STA.

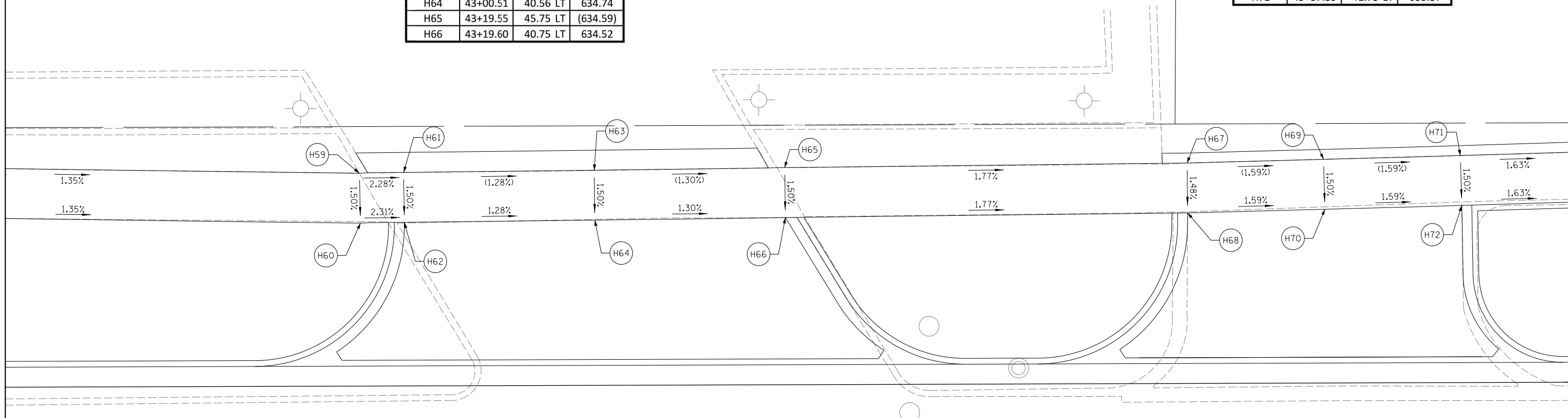
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	101
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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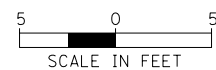
POINT	STA	OFFSET	ELEV
H59	42+76.94	45.33 LT	(635.19)
H60	42+77.03	40.32 LT	635.11
H61	42+81.38	45.40 LT	(635.08)
H62	42+81.42	40.40 LT	635.00
H63	43+00.46	45.56 LT	(634.82)
H64	43+00.51	40.56 LT	634.74
H65	43+19.55	45.75 LT	(634.59)
H66	43+19.60	40.75 LT	634.52

POINT	STA	OFFSET	ELEV
H67	43+59.87	46.08 LT	(633.88)
H68	43+59.91	41.09 LT	633.80
H69	43+73.55	46.41 LT	(633.63)
H70	43+73.66	41.41 LT	633.58
H71	43+87.25	46.75 LT	(633.39)
H72	43+87.39	41.75 LT	633.37

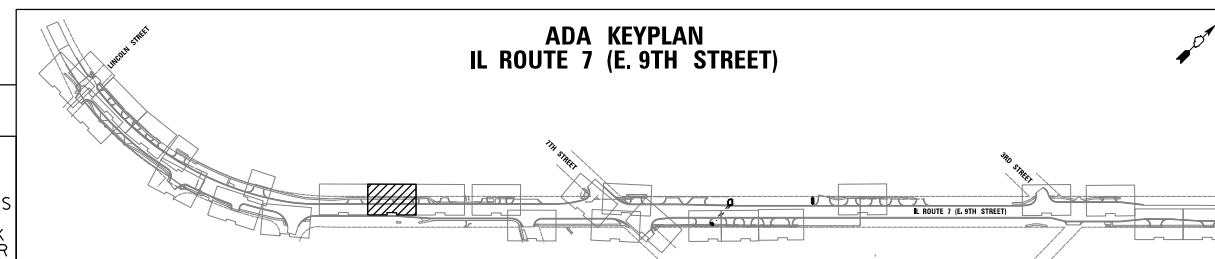


E. 9th STREET (IL RT.7)

43



LEGEND	
(X.XX%)	EXISTING SLOPE
X.XX%	PROPOSED SLOPE
—	CONCRETE CURB, TYPE B
[Hatched Box]	DETECTABLE WARNINGS
---	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2800</p>	USER NAME = oschoefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	DRAWN - JTA	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE -	REVISED -

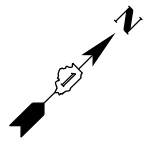
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: SHEET NO. 11 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	102
				CONTRACT NO. 61H98

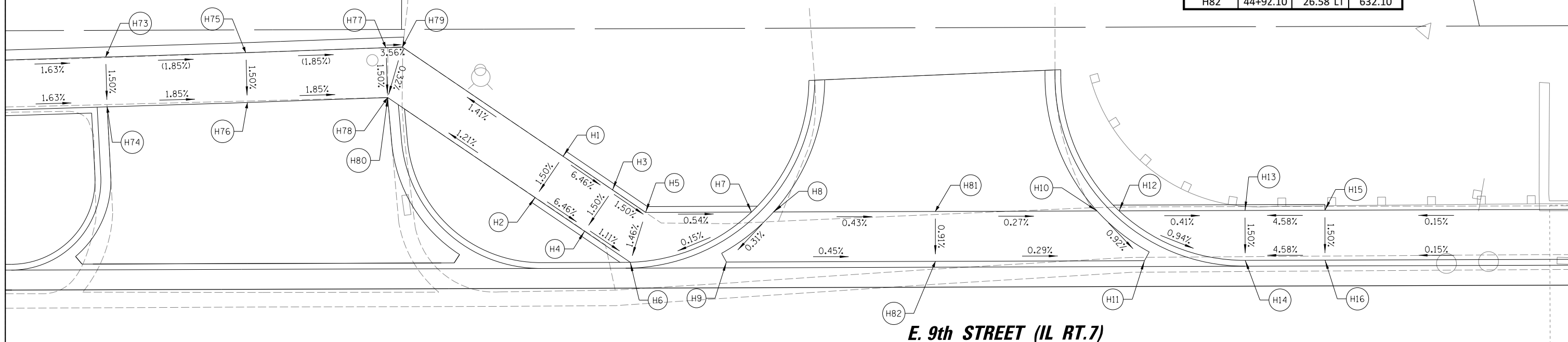
ILLINOIS FED. AID PROJECT



POINT	STA	OFFSET	ELEV
H73	44+09.02	47.33 LT	(633.08)
H74	44+09.15	42.33 LT	633.01
H75	44+23.05	47.72 LT	(632.82)
H76	44+23.22	42.72 LT	632.75
H77	44+37.10	48.17 LT	632.56
H78	44+37.26	43.17 LT	632.49
H79	44+38.74	48.22 LT	(632.51)
H80	44+37.27	43.17 LT	632.49

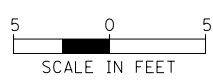
POINT	STA	OFFSET	ELEV
H10	45+08.30	31.58 LT	632.10
H11	45+13.04	26.58 LT	632.04
H12	45+10.52	31.58 LT	632.15
H13	45+23.13	31.58 LT	632.10
H14	45+23.13	26.58 LT	632.02
H15	45+31.13	31.58 LT	632.47
H16	45+31.13	26.58 LT	632.39

POINT	STA	OFFSET	ELEV
H1	44+54.82	37.23 LT	632.78
H2	44+52.00	33.10 LT	632.70
H3	44+59.77	33.84 LT	632.39
H4	44+56.95	29.71 LT	632.32
H5	44+63.07	31.58 LT	632.33
H6	44+61.52	26.59 LT	632.26
H7	44+73.68	31.58 LT	632.27
H8	44+75.89	31.58 LT	632.22
H9	44+71.15	26.58 LT	632.20
H81	44+92.10	31.58 LT	632.15
H82	44+92.10	26.58 LT	632.10

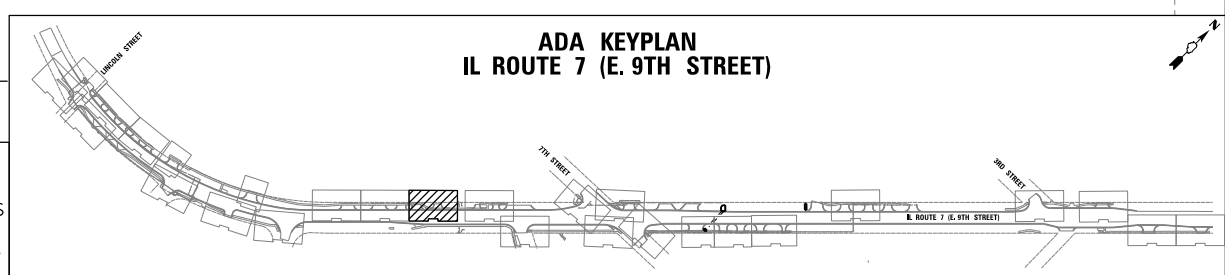


E. 9th STREET (IL RT.7)

44



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



**ADA KEYPLAN
IL ROUTE 7 (E. 9th STREET)**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

USER NAME = oschofer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9th STREET)
ADA RAMP DETAILS**

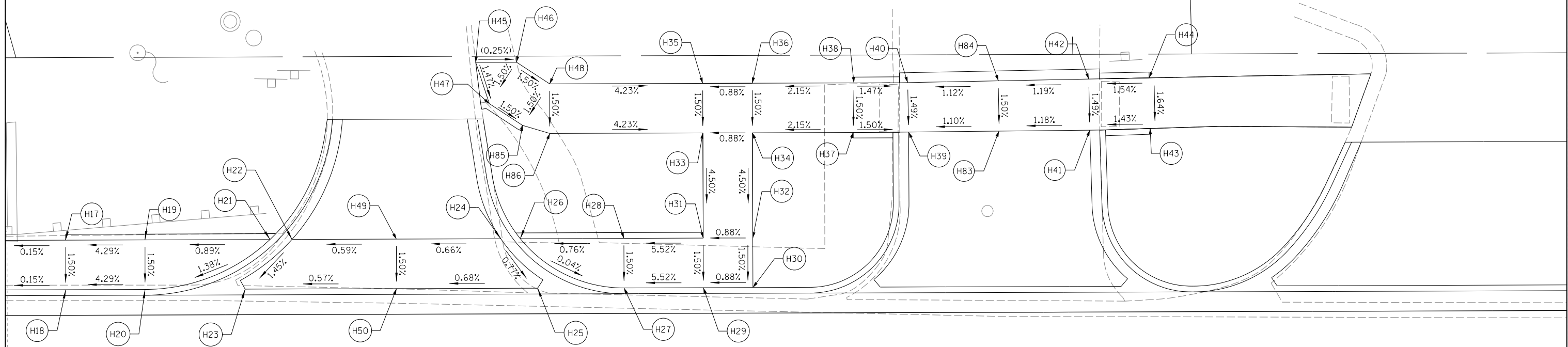
SCALE: 1:5 SHEET NO. 12 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	103
CONTRACT NO. 61H98				

ILLINOIS FED. AID PROJECT

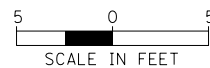
POINT	STA	OFFSET	ELEV
H17	45+87.62	31.58 LT	632.55
H18	45+87.62	26.58 LT	632.47
H19	45+95.62	31.58 LT	632.21
H20	45+95.62	26.58 LT	632.13
H21	46+08.24	31.58 LT	632.32
H22	46+10.45	31.58 LT	632.28
H23	46+05.71	26.58 LT	632.18
H24	46+31.51	31.58 LT	632.41
H25	46+35.21	26.58 LT	632.36
H26	46+33.48	31.58 LT	632.42
H27	46+43.93	26.58 LT	632.43
H28	46+43.93	31.58 LT	632.50
H29	46+51.93	26.58 LT	632.87
H30	46+56.93	26.58 LT	632.92
H31	46+51.93	31.58 LT	632.95
H32	46+56.93	31.58 LT	632.99
H33	46+51.93	42.19 LT	633.42
H34	46+56.93	42.19 LT	633.47
H35	46+51.93	47.19 LT	633.50

POINT	STA	OFFSET	ELEV
H36	46+56.93	47.19 LT	633.54
H37	46+67.10	42.22 LT	633.69
H38	46+67.19	47.19 LT	633.76
H39	46+72.68	42.22 LT	633.63
H40	46+72.60	47.21 LT	633.70
H41	46+90.96	42.35 LT	633.84
H42	46+90.87	47.50 LT	633.92
H43	46+97.04	42.50 LT	633.93
H44	46+96.96	47.60 LT	634.01
H45	46+29.04	49.39 LT	634.20
H46	46+33.15	49.39 LT	634.21
H47	46+30.41	45.21 LT	634.14
H48	46+36.49	47.19 LT	634.15
H49	46+20.98	31.58 LT	632.34
H50	46+20.98	26.58 LT	632.27
H83	46+81.80	42.28 LT	633.73
H84	46+81.76	47.36 LT	633.81
H85	46+81.76	47.36 LT	633.81
H86	46+81.76	47.36 LT	633.81

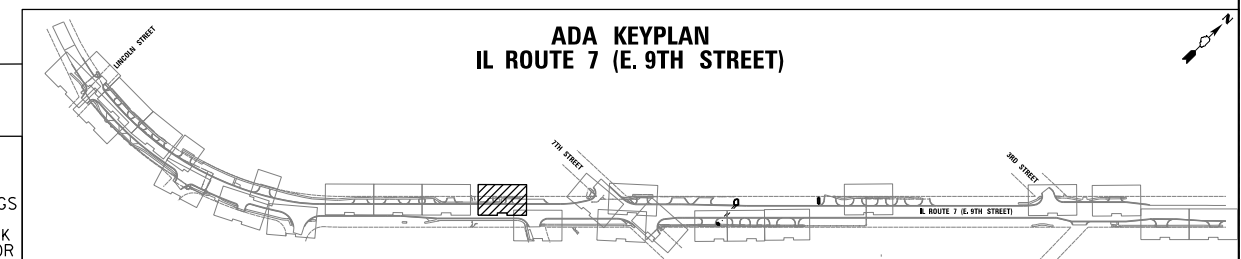


E. 9th STREET (IL RT.7)

46



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



	CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850	USER NAME = oschoefer	DESIGNED - AJS	REVISED -
		PLOT SCALE = 5'	DRAWN - JTA	REVISED -
		PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
			DATE -	REVISED -

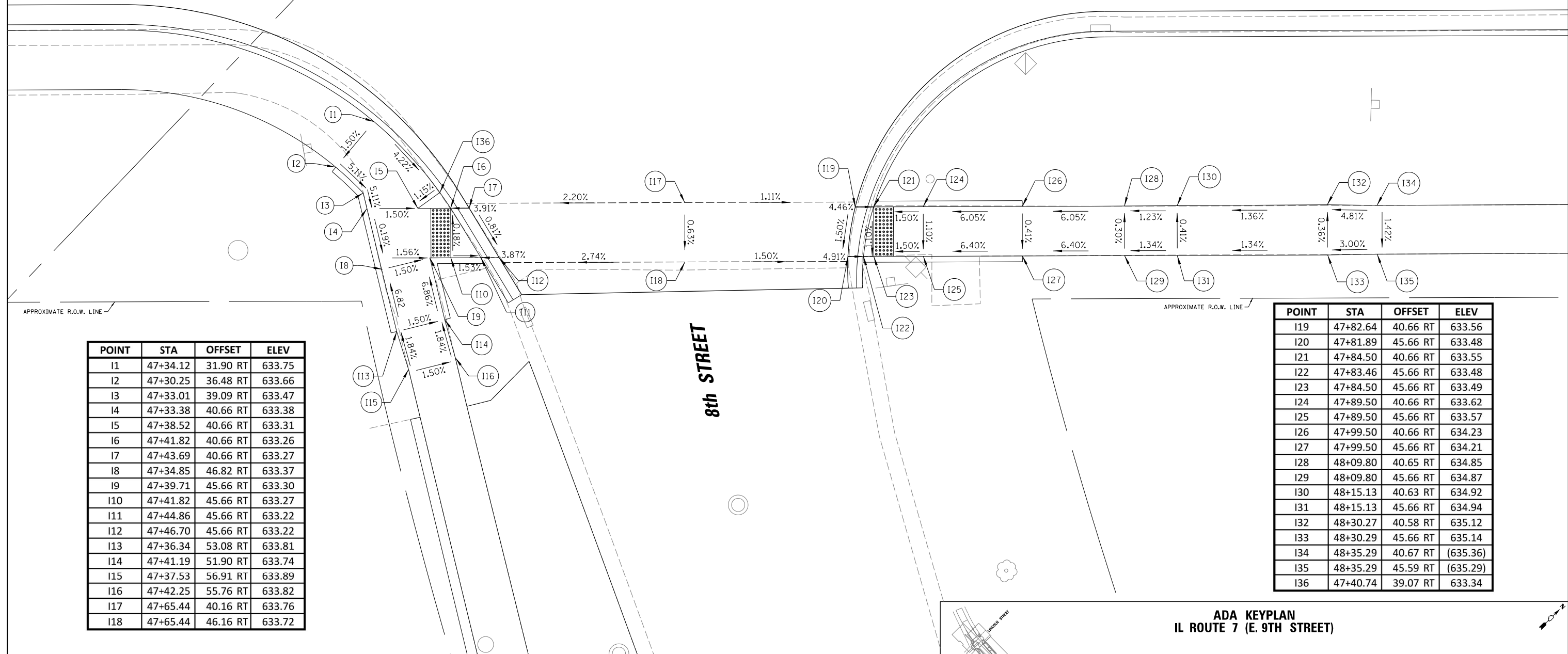
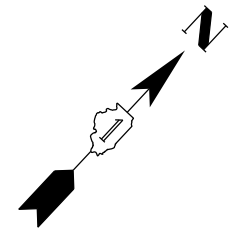
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: 1:5 SHEET NO. 13 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	104
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

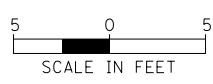
E. 9th STREET (IL RT.7)



POINT	STA	OFFSET	ELEV
I1	47+34.12	31.90 RT	633.75
I2	47+30.25	36.48 RT	633.66
I3	47+33.01	39.09 RT	633.47
I4	47+33.38	40.66 RT	633.38
I5	47+38.52	40.66 RT	633.31
I6	47+41.82	40.66 RT	633.26
I7	47+43.69	40.66 RT	633.27
I8	47+34.85	46.82 RT	633.37
I9	47+39.71	45.66 RT	633.30
I10	47+41.82	45.66 RT	633.27
I11	47+44.86	45.66 RT	633.22
I12	47+46.70	45.66 RT	633.22
I13	47+36.34	53.08 RT	633.81
I14	47+41.19	51.90 RT	633.74
I15	47+37.53	56.91 RT	633.89
I16	47+42.25	55.76 RT	633.82
I17	47+65.44	40.16 RT	633.76
I18	47+65.44	46.16 RT	633.72

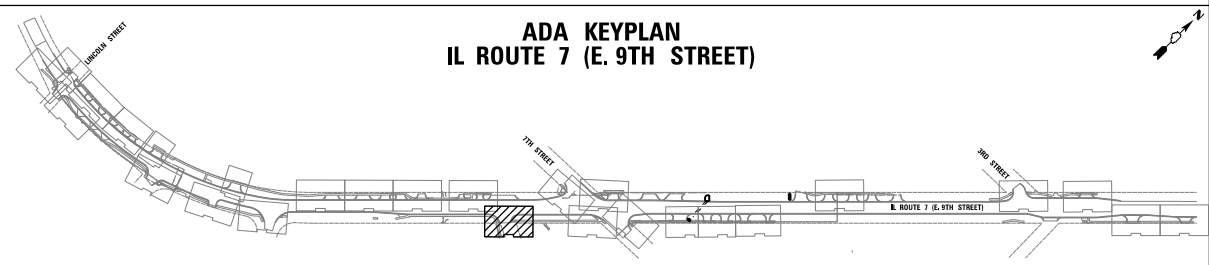
POINT	STA	OFFSET	ELEV
I19	47+82.64	40.66 RT	633.56
I20	47+81.89	45.66 RT	633.48
I21	47+84.50	40.66 RT	633.55
I22	47+83.46	45.66 RT	633.48
I23	47+84.50	45.66 RT	633.49
I24	47+89.50	40.66 RT	633.62
I25	47+89.50	45.66 RT	633.57
I26	47+99.50	40.66 RT	634.23
I27	47+99.50	45.66 RT	634.21
I28	48+09.80	40.65 RT	634.85
I29	48+09.80	45.66 RT	634.87
I30	48+15.13	40.63 RT	634.92
I31	48+15.13	45.66 RT	634.94
I32	48+30.27	40.58 RT	635.12
I33	48+30.29	45.66 RT	635.14
I34	48+35.29	40.67 RT	(635.36)
I35	48+35.29	45.59 RT	(635.29)
I36	47+40.74	39.07 RT	633.34

8th STREET



LEGEND

(X.XX%) EXISTING SLOPE [Hatched Box] DETECTABLE WARNINGS
 X.XX% PROPOSED SLOPE - - - - - PROPOSED CROSSWALK
 [Solid Line] CONCRETE CURB, TYPE B (SEE PMK SHEETS FOR PAVEMENT MARKINGS)



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2800

USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: 1:5 SHEET NO. 14 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	105
CONTRACT NO. 61H98				

ILLINOIS FED. AID PROJECT

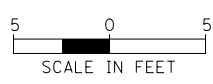
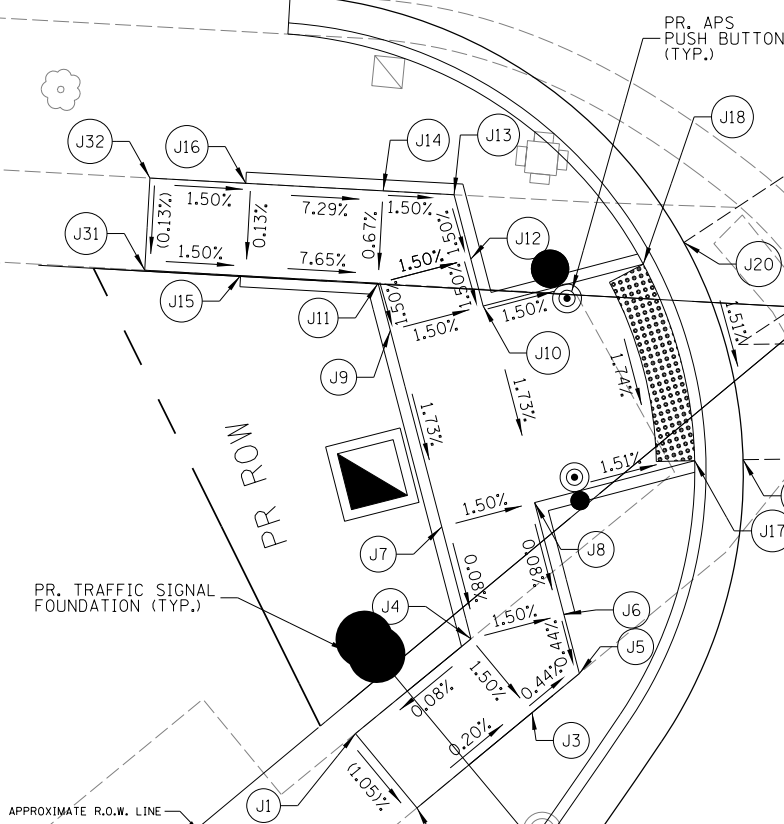
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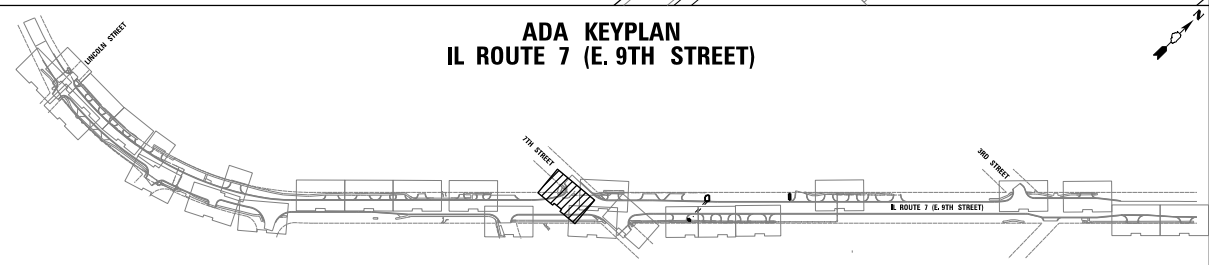
E. 7th STREET

E. 9th STREET (IL RT.7)

POINT	STA	OFFSET	ELEV
J1	49+35.03	48.53 LT	(636.91)
J2	49+35.01	43.50 LT	(636.85)
J3	49+42.80	43.48 LT	636.84
J4	49+42.81	48.47 LT	636.91
J5	49+45.99	43.47 LT	636.82
J6	49+47.34	46.35 LT	636.84
J7	49+45.37	53.93 LT	636.92
J8	49+49.90	51.81 LT	636.84
J9	49+49.86	63.51 LT	637.10
J10	49+54.39	61.38 LT	637.02
J11	49+50.94	65.80 LT	637.14
J12	49+55.46	63.68 LT	637.06
J13	49+56.93	66.81 LT	637.11
J14	49+54.22	69.33 LT	637.17
J15	49+45.69	70.69 LT	637.69
J16	49+48.97	74.21 LT	637.69
J17	49+57.71	48.15 LT	636.71
J18	49+62.19	57.73 LT	636.90
J19	49+59.68	46.58 LT	636.77
J20	49+64.54	57.24 LT	636.94
J21	49+88.65	23.00 LT	637.08
J22	49+92.44	27.66 LT	637.18
J23	49+99.35	14.30 LT	637.26
J24	50+03.14	18.95 LT	637.31
J25	50+20.71	4.65 LT	637.55
J26	50+16.92	0.00 LT	637.50
J27	49+93.94	54.00 LT	637.93
J28	49+93.28	48.03 LT	637.75
J29	50+08.74	52.36 LT	638.21
J30	50+08.09	46.40 LT	638.06
J31	49+42.03	74.10 LT	(637.76)
J32	49+45.31	77.62 LT	(637.77)



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS

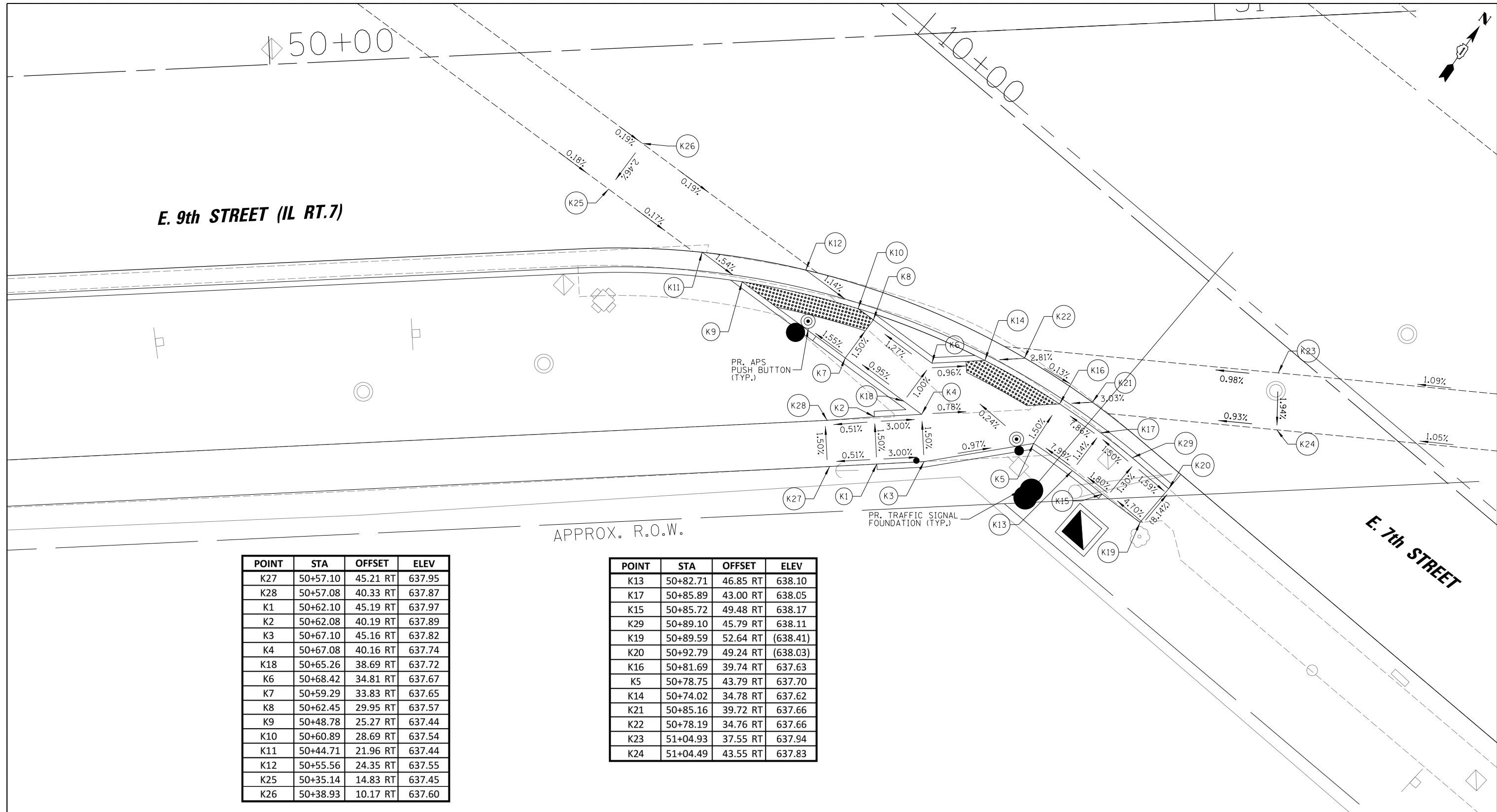
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	106
CONTRACT NO. 61H98				

SCALE: 1:5 SHEET NO. 15 OF 26 SHEETS STA. TO STA.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

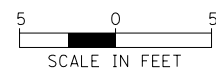
USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

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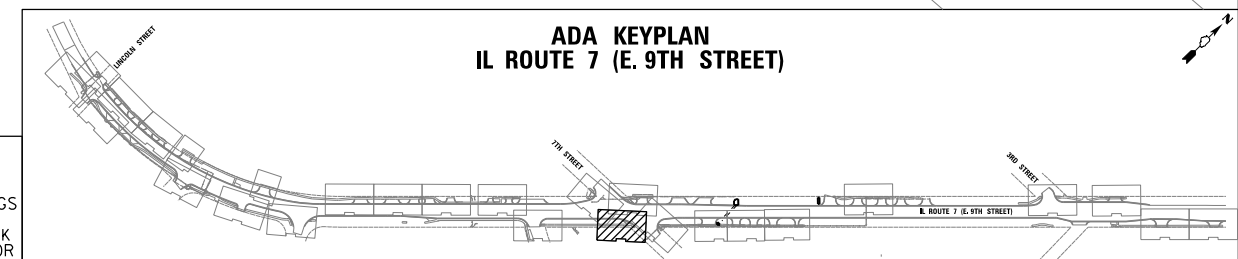


POINT	STA	OFFSET	ELEV
K27	50+57.10	45.21 RT	637.95
K28	50+57.08	40.33 RT	637.87
K1	50+62.10	45.19 RT	637.97
K2	50+62.08	40.19 RT	637.89
K3	50+67.10	45.16 RT	637.82
K4	50+67.08	40.16 RT	637.74
K18	50+65.26	38.69 RT	637.72
K6	50+68.42	34.81 RT	637.67
K7	50+59.29	33.83 RT	637.65
K8	50+62.45	29.95 RT	637.57
K9	50+48.78	25.27 RT	637.44
K10	50+60.89	28.69 RT	637.54
K11	50+44.71	21.96 RT	637.44
K12	50+55.56	24.35 RT	637.55
K25	50+35.14	14.83 RT	637.45
K26	50+38.93	10.17 RT	637.60

POINT	STA	OFFSET	ELEV
K13	50+82.71	46.85 RT	638.10
K17	50+85.89	43.00 RT	638.05
K15	50+85.72	49.48 RT	638.17
K29	50+89.10	45.79 RT	638.11
K19	50+89.59	52.64 RT	(638.41)
K20	50+92.79	49.24 RT	(638.03)
K16	50+81.69	39.74 RT	637.63
K5	50+78.75	43.79 RT	637.70
K14	50+74.02	34.78 RT	637.62
K21	50+85.16	39.72 RT	637.66
K22	50+78.19	34.76 RT	637.66
K23	51+04.93	37.55 RT	637.94
K24	51+04.49	43.55 RT	637.83



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



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 Lockport, Illinois 60441
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USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

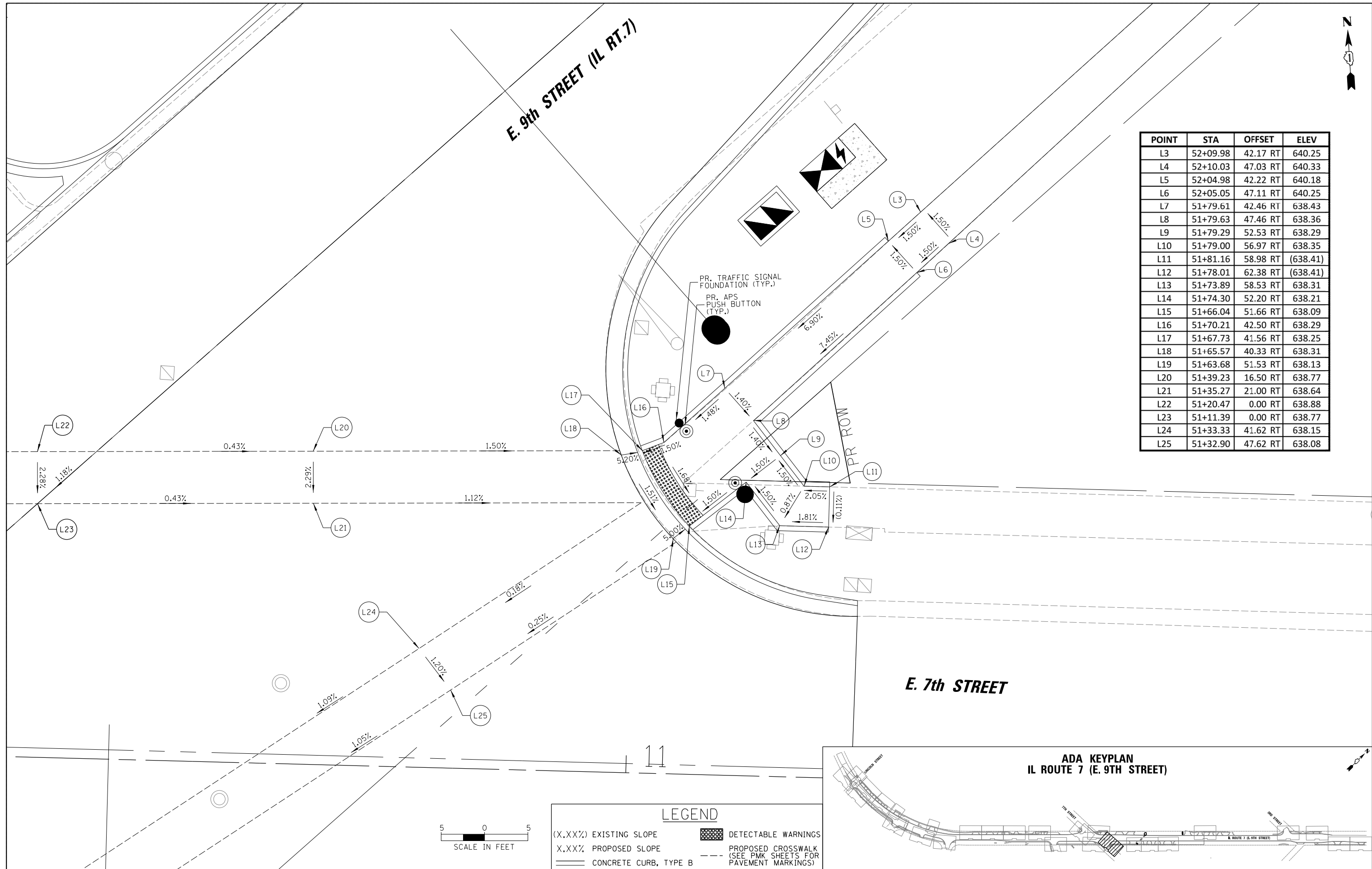
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 7 (E. 9TH STREET)
 ADA RAMP DETAILS

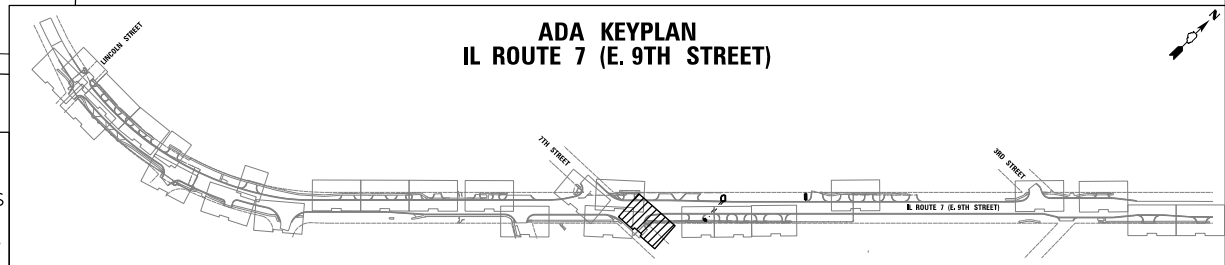
SCALE: 1:5 SHEET NO. 16 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	107
CONTRACT NO. 61H98				

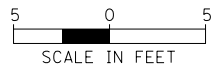
ILLINOIS FED. AID PROJECT



POINT	STA	OFFSET	ELEV
L3	52+09.98	42.17 RT	640.25
L4	52+10.03	47.03 RT	640.33
L5	52+04.98	42.22 RT	640.18
L6	52+05.05	47.11 RT	640.25
L7	51+79.61	42.46 RT	638.43
L8	51+79.63	47.46 RT	638.36
L9	51+79.29	52.53 RT	638.29
L10	51+79.00	56.97 RT	638.35
L11	51+81.16	58.98 RT	(638.41)
L12	51+78.01	62.38 RT	(638.41)
L13	51+73.89	58.53 RT	638.31
L14	51+74.30	52.20 RT	638.21
L15	51+66.04	51.66 RT	638.09
L16	51+70.21	42.50 RT	638.29
L17	51+67.73	41.56 RT	638.25
L18	51+65.57	40.33 RT	638.31
L19	51+63.68	51.53 RT	638.13
L20	51+39.23	16.50 RT	638.77
L21	51+35.27	21.00 RT	638.64
L22	51+20.47	0.00 RT	638.88
L23	51+11.39	0.00 RT	638.77
L24	51+33.33	41.62 RT	638.15
L25	51+32.90	47.62 RT	638.08



LEGEND	
(X.XX%) EXISTING SLOPE	[Hatched Box] DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	[Dashed Line] PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
[Solid Line] CONCRETE CURB, TYPE B	



CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2860	USER NAME = oschofer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	DRAWN - JTA	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

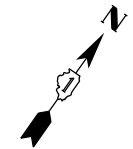
IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS

SCALE: 1:5 SHEET NO. 17 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	108
				CONTRACT NO. 61H98

ILLINOIS FED. AID PROJECT

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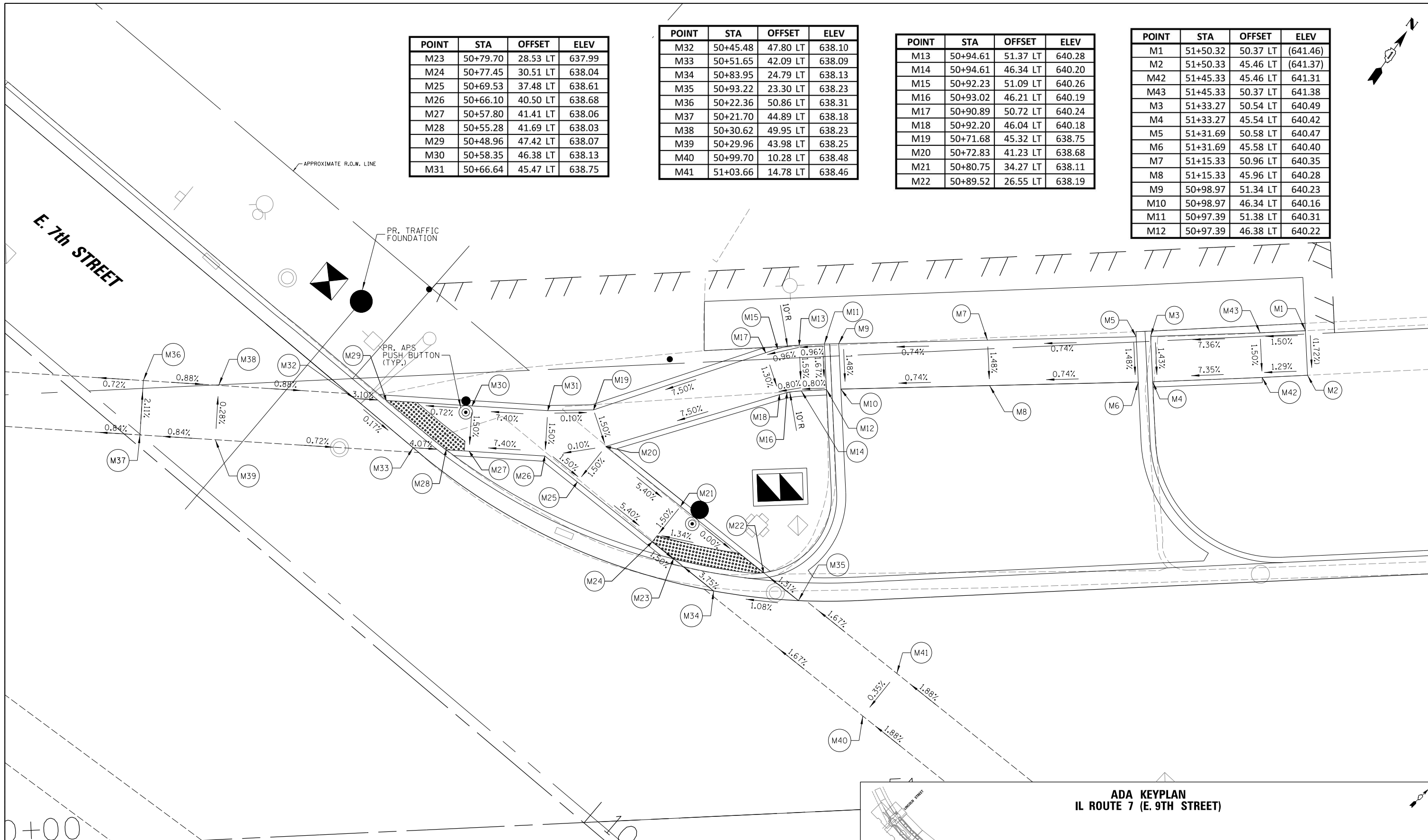


POINT	STA	OFFSET	ELEV
M23	50+79.70	28.53 LT	637.99
M24	50+77.45	30.51 LT	638.04
M25	50+69.53	37.48 LT	638.61
M26	50+66.10	40.50 LT	638.68
M27	50+57.80	41.41 LT	638.06
M28	50+55.28	41.69 LT	638.03
M29	50+48.96	47.42 LT	638.07
M30	50+58.35	46.38 LT	638.13
M31	50+66.64	45.47 LT	638.75

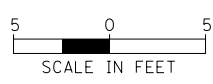
POINT	STA	OFFSET	ELEV
M32	50+45.48	47.80 LT	638.10
M33	50+51.65	42.09 LT	638.09
M34	50+83.95	24.79 LT	638.13
M35	50+93.22	23.30 LT	638.23
M36	50+22.36	50.86 LT	638.31
M37	50+21.70	44.89 LT	638.18
M38	50+30.62	49.95 LT	638.23
M39	50+29.96	43.98 LT	638.25
M40	50+99.70	10.28 LT	638.48
M41	51+03.66	14.78 LT	638.46

POINT	STA	OFFSET	ELEV
M13	50+94.61	51.37 LT	640.28
M14	50+94.61	46.34 LT	640.20
M15	50+92.23	51.09 LT	640.26
M16	50+93.02	46.21 LT	640.19
M17	50+90.89	50.72 LT	640.24
M18	50+92.20	46.04 LT	640.18
M19	50+71.68	45.32 LT	638.75
M20	50+72.83	41.23 LT	638.68
M21	50+80.75	34.27 LT	638.11
M22	50+89.52	26.55 LT	638.19

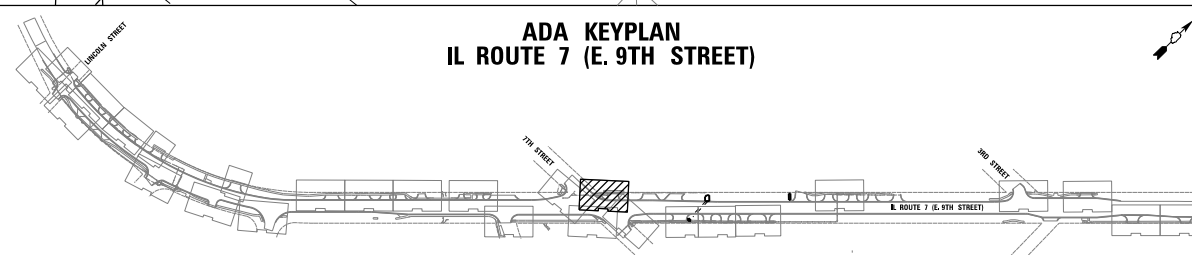
POINT	STA	OFFSET	ELEV
M1	51+50.32	50.37 LT	(641.46)
M2	51+50.33	45.46 LT	(641.37)
M42	51+45.33	45.46 LT	641.31
M43	51+45.33	50.37 LT	641.38
M3	51+33.27	50.54 LT	640.49
M4	51+33.27	45.54 LT	640.42
M5	51+31.69	50.58 LT	640.47
M6	51+31.69	45.58 LT	640.40
M7	51+15.33	50.96 LT	640.35
M8	51+15.33	45.96 LT	640.28
M9	50+98.97	51.34 LT	640.23
M10	50+98.97	46.34 LT	640.16
M11	50+97.39	51.38 LT	640.31
M12	50+97.39	46.38 LT	640.22



0+00



LEGEND	
(X.XX%) EXISTING SLOPE	[Hatched Box] DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	[Dashed Line] PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
[Solid Line] CONCRETE CURB, TYPE B	



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2860</p>	USER NAME = oschoefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	DRAWN - JTA	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE -	REVISED -

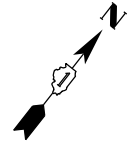
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

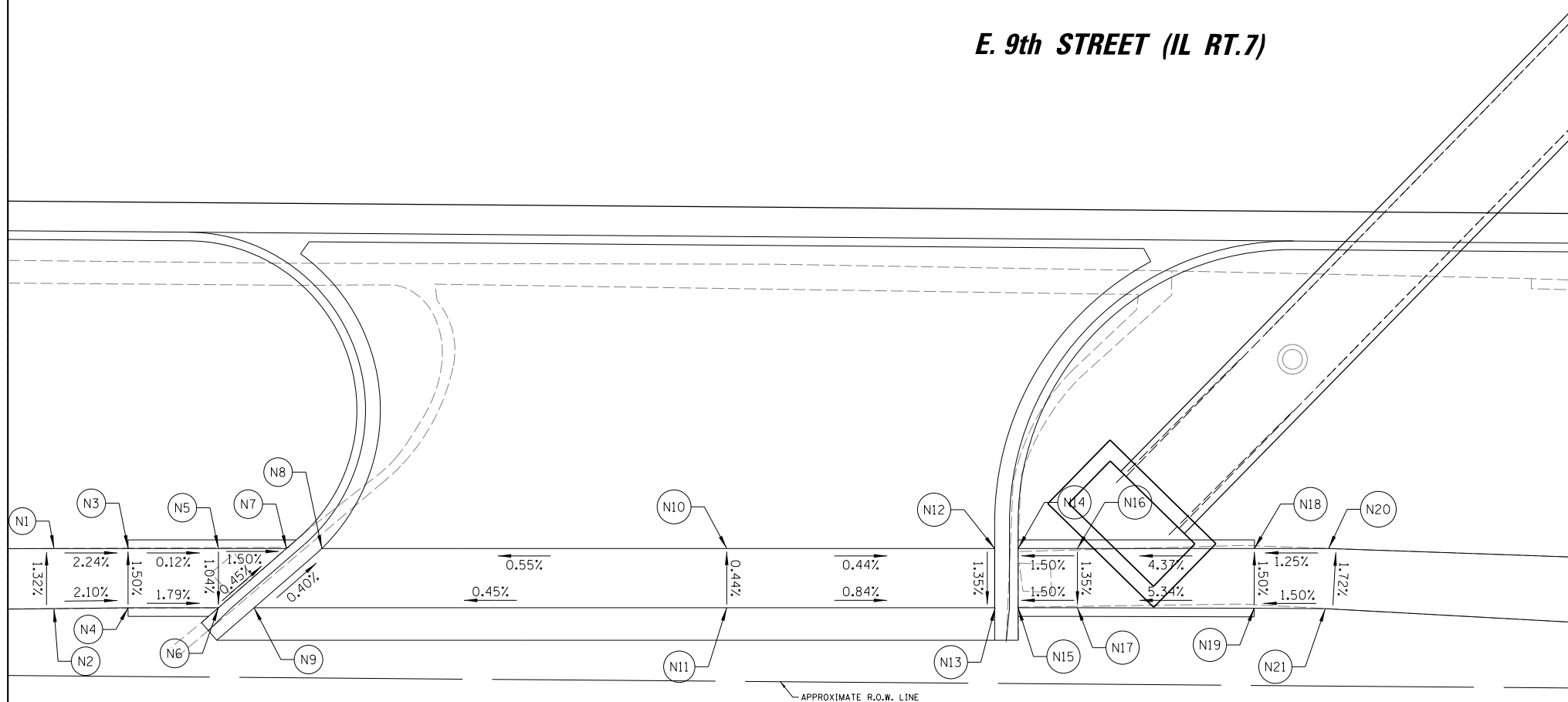
SCALE: 1:5 SHEET NO. 18 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	109
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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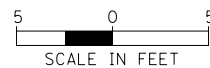


E. 9th STREET (IL RT.7)

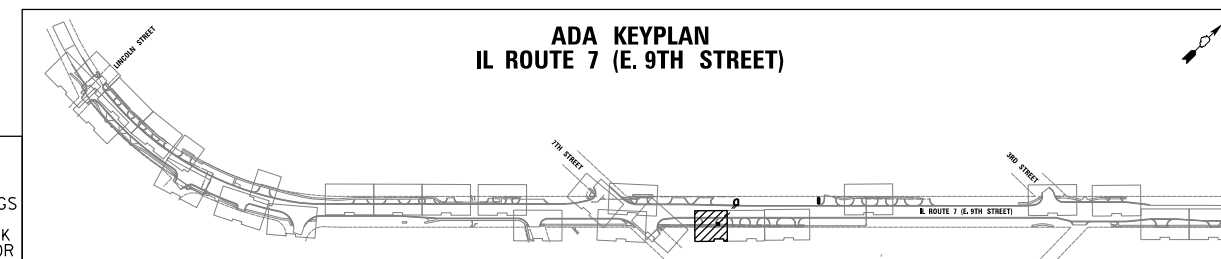


POINT	STA	OFFSET	ELEV
N1	52+89.93	41.41 RT	640.97
N2	52+89.96	45.46 RT	641.03
N3	52+94.93	41.37 RT	640.86
N4	52+94.96	45.37 RT	640.92
N5	53+01.02	41.32 RT	640.85
N6	53+01.05	45.32 RT	640.81
N7	53+05.61	41.28 RT	640.78
N8	53+08.00	41.26 RT	640.75
N9	53+03.46	45.30 RT	640.77
N10	53+35.32	41.04 RT	640.90
N11	53+35.35	45.04 RT	640.92

POINT	STA	OFFSET	ELEV
N12	53+53.40	40.90 RT	640.82
N13	53+53.43	44.90 RT	640.76
N14	53+54.98	40.89 RT	640.85
N15	53+55.01	44.89 RT	640.80
N16	53+58.98	40.86 RT	640.91
N17	53+59.01	44.85 RT	640.86
N18	53+70.92	40.76 RT	641.43
N19	53+70.93	44.79 RT	641.49
N20	53+75.93	40.72 RT	641.49
N21	53+75.74	44.78 RT	641.56



LEGEND	
(X.XX%) EXISTING SLOPE	[Hatched Box] DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	[Dashed Line] PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
[Solid Line] CONCRETE CURB, TYPE B	



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2800</p>	USER NAME = oschoefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	DRAWN - JTA	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

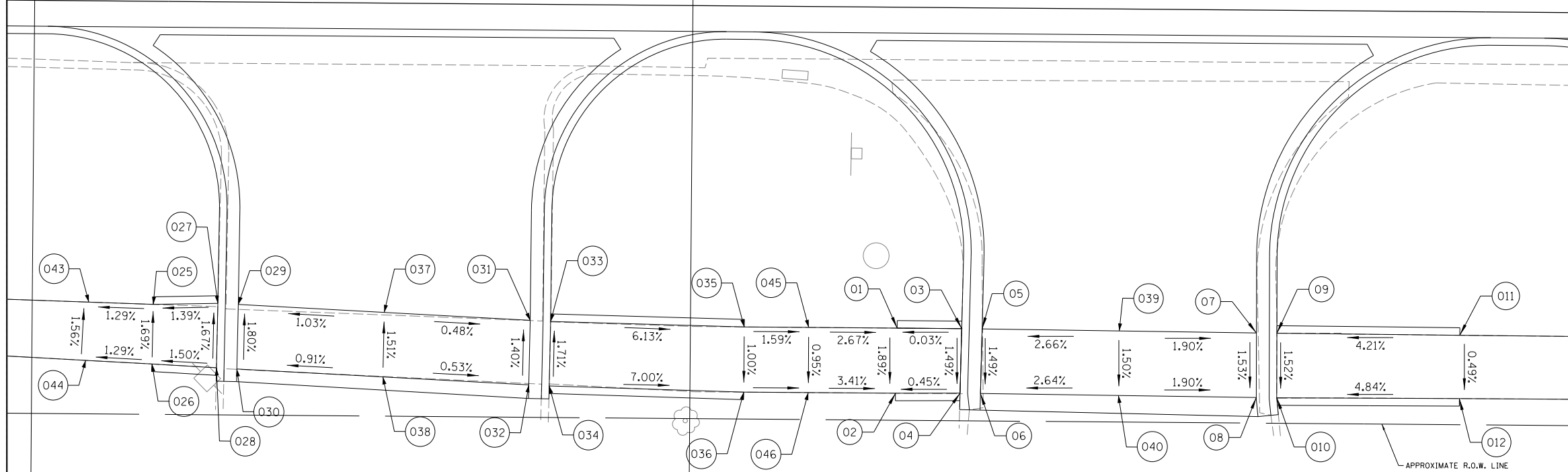
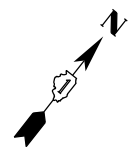
SCALE: 1:5 SHEET NO. 19 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	110
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H98	

54

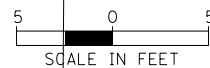
55+00

E. 9th STREET (IL RT.7)



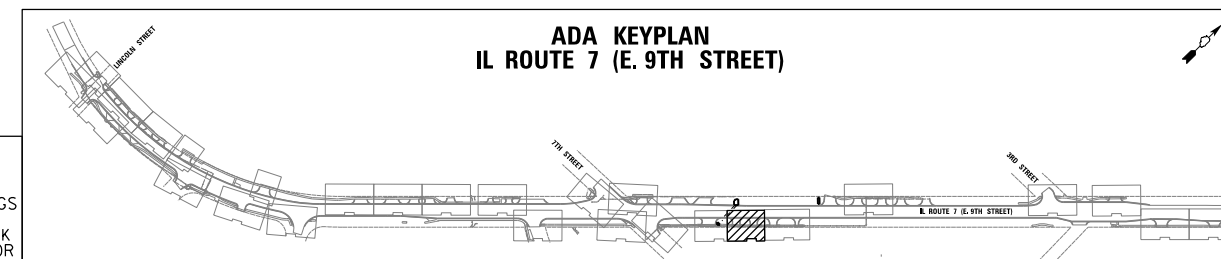
POINT	STA	OFFSET	ELEV
O1	54+61.55	42.86 RT	640.80
O2	54+61.46	47.91 RT	640.71
O3	54+66.55	42.86 RT	640.80
O4	54+66.46	47.86 RT	640.73
O5	54+68.13	42.87 RT	640.78
O6	54+68.04	47.87 RT	640.71
O39	54+78.76	42.94 RT	641.06
O40	54+78.73	47.94 RT	640.99
O7	54+89.38	43.01 RT	640.86
O8	54+89.41	48.01 RT	640.79
O9	54+90.97	43.02 RT	640.89
O10	54+91.00	48.02 RT	640.82
O11	55+05.14	43.07 RT	641.49
O12	55+05.15	47.97 RT	641.50

POINT	STA	OFFSET	ELEV
O43	53+98.91	41.35 RT	641.79
O44	53+98.70	45.86 RT	641.86
O25	54+03.91	41.48 RT	641.86
O26	54+03.84	46.10 RT	641.93
O27	54+08.91	41.36 RT	641.93
O28	54+08.84	46.36 RT	642.01
O29	54+10.49	41.43 RT	641.90
O30	54+10.42	46.43 RT	641.99
O37	54+21.80	41.96 RT	642.02
O38	54+21.73	46.96 RT	642.09
O31	54+33.11	42.49 RT	641.96
O32	54+33.05	47.48 RT	642.03
O33	54+34.70	42.56 RT	641.98
O34	54+34.63	47.56 RT	642.07
O35	54+49.70	42.86 RT	641.06
O36	54+49.70	47.92 RT	641.01
O45	54+54.70	42.86 RT	640.98
O46	54+54.70	47.91 RT	640.94



LEGEND

(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2800

USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

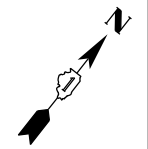
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
 ADA RAMP DETAILS**

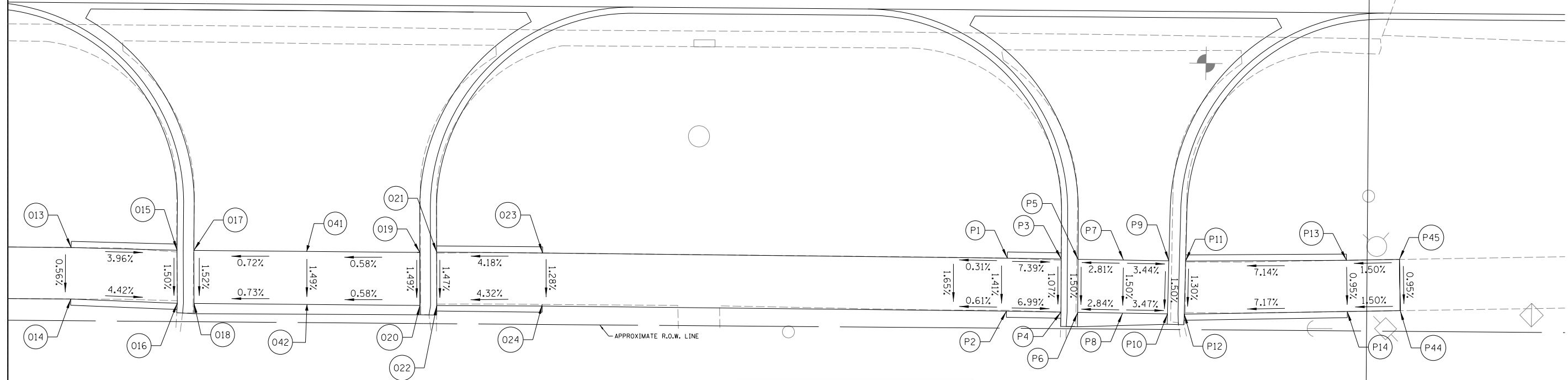
SCALE: 1:5 SHEET NO. 20 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	111
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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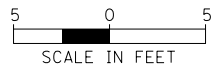


E. 9th STREET (IL RT.7)



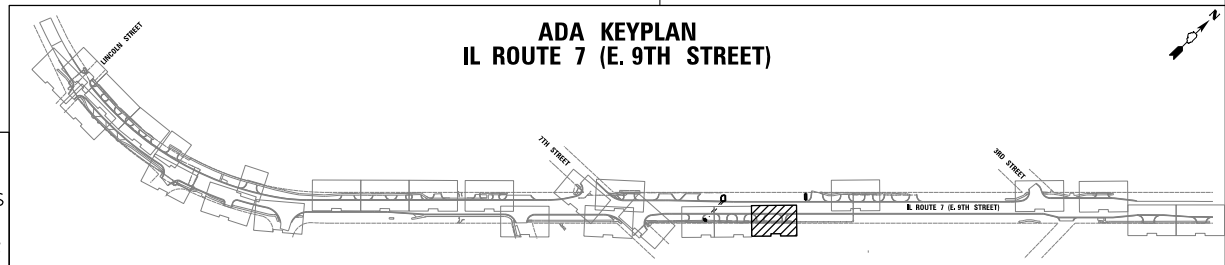
POINT	STA	OFFSET	ELEV
O13	55+19.93	43.10 RT	641.66
O14	55+19.93	47.95 RT	641.63
O15	55+29.93	43.28 RT	641.26
O16	55+29.98	48.28 RT	641.19
O17	55+31.51	43.28 RT	641.24
O18	55+31.57	48.28 RT	641.17
O41	55+42.17	43.29 RT	641.32
O42	55+42.23	48.29 RT	641.24
O19	55+52.84	43.30 RT	641.38
O20	55+52.89	48.30 RT	641.31
O21	55+54.43	43.25 RT	641.48
O22	55+54.48	48.30 RT	641.41
O23	55+64.43	43.26 RT	641.90
O24	55+64.43	48.11 RT	641.84

POINT	STA	OFFSET	ELEV
P1	56+08.29	43.39 RT	642.40
P2	56+08.25	48.31 RT	642.34
P3	56+13.38	43.44 RT	642.03
P4	56+13.39	48.44 RT	641.97
P5	56+14.97	43.45 RT	642.00
P6	56+14.98	48.45 RT	641.93
P7	56+19.25	43.49 RT	642.12
P8	56+19.21	48.49 RT	642.05
P9	56+23.54	43.52 RT	641.98
P10	56+23.45	48.52 RT	641.90
P11	56+25.12	43.54 RT	642.04
P12	56+25.03	48.54 RT	641.98
P13	56+40.30	43.34 RT	643.13
P14	56+40.42	48.17 RT	643.08
P44	56+45.42	48.05 RT	643.16
P45	56+45.30	43.22 RT	643.20



LEGEND

(X.XX%) EXISTING SLOPE [Hatched Box] DETECTABLE WARNINGS
 X.XX% PROPOSED SLOPE - - - - - PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
 [Solid Line] CONCRETE CURB, TYPE B



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2800

USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

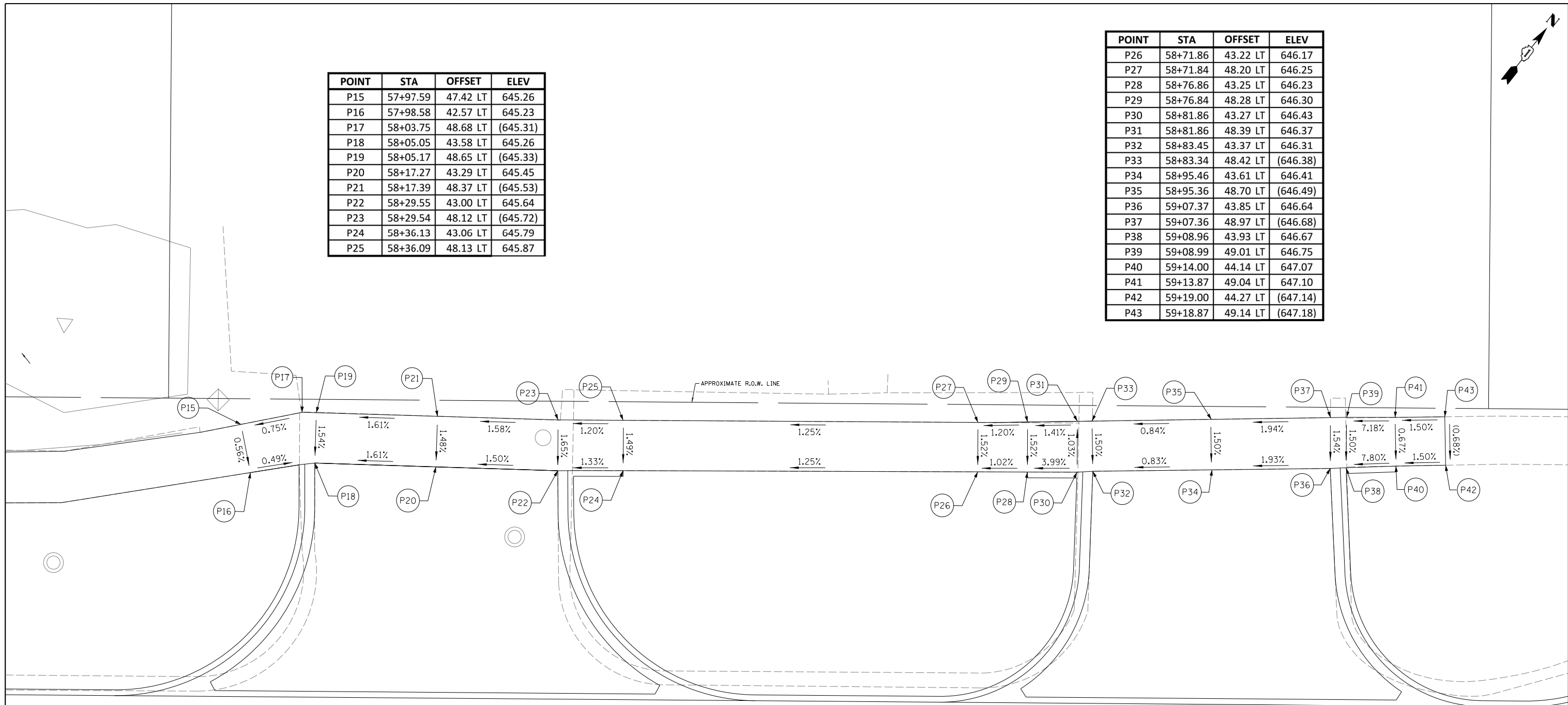
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 7 (E. 9TH STREET) ADA RAMP DETAILS	
SCALE: 1:5	SHEET NO. 21 OF 26 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	112
CONTRACT NO. 61H98				

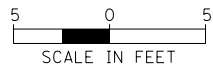
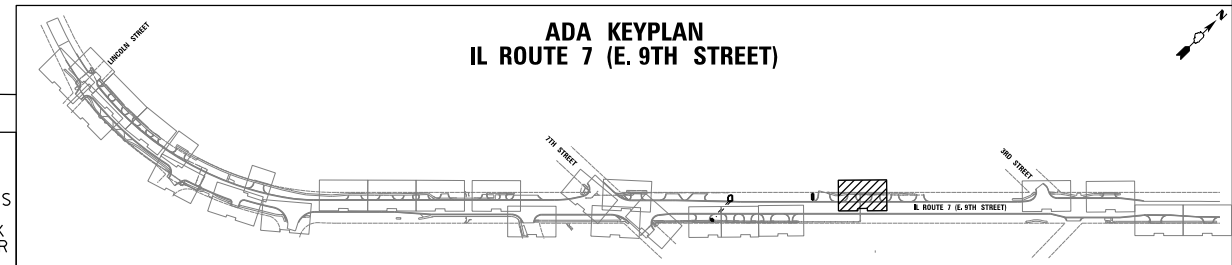
POINT	STA	OFFSET	ELEV
P15	57+97.59	47.42 LT	645.26
P16	57+98.58	42.57 LT	645.23
P17	58+03.75	48.68 LT	(645.31)
P18	58+05.05	43.58 LT	645.26
P19	58+05.17	48.65 LT	(645.33)
P20	58+17.27	43.29 LT	645.45
P21	58+17.39	48.37 LT	(645.53)
P22	58+29.55	43.00 LT	645.64
P23	58+29.54	48.12 LT	(645.72)
P24	58+36.13	43.06 LT	645.79
P25	58+36.09	48.13 LT	645.87

POINT	STA	OFFSET	ELEV
P26	58+71.86	43.22 LT	646.17
P27	58+71.84	48.20 LT	646.25
P28	58+76.86	43.25 LT	646.23
P29	58+76.84	48.28 LT	646.30
P30	58+81.86	43.27 LT	646.43
P31	58+81.86	48.39 LT	646.37
P32	58+83.45	43.37 LT	646.31
P33	58+83.34	48.42 LT	(646.38)
P34	58+95.46	43.61 LT	646.41
P35	58+95.36	48.70 LT	(646.49)
P36	59+07.37	43.85 LT	646.64
P37	59+07.36	48.97 LT	(646.68)
P38	59+08.96	43.93 LT	646.67
P39	59+08.99	49.01 LT	646.75
P40	59+14.00	44.14 LT	647.07
P41	59+13.87	49.04 LT	647.10
P42	59+19.00	44.27 LT	(647.14)
P43	59+18.87	49.14 LT	(647.18)



E. 9th STREET (IL RT.7)

58



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

USER NAME = oschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

SCALE: 1:5 SHEET NO. 22 OF 26 SHEETS STA. TO STA.

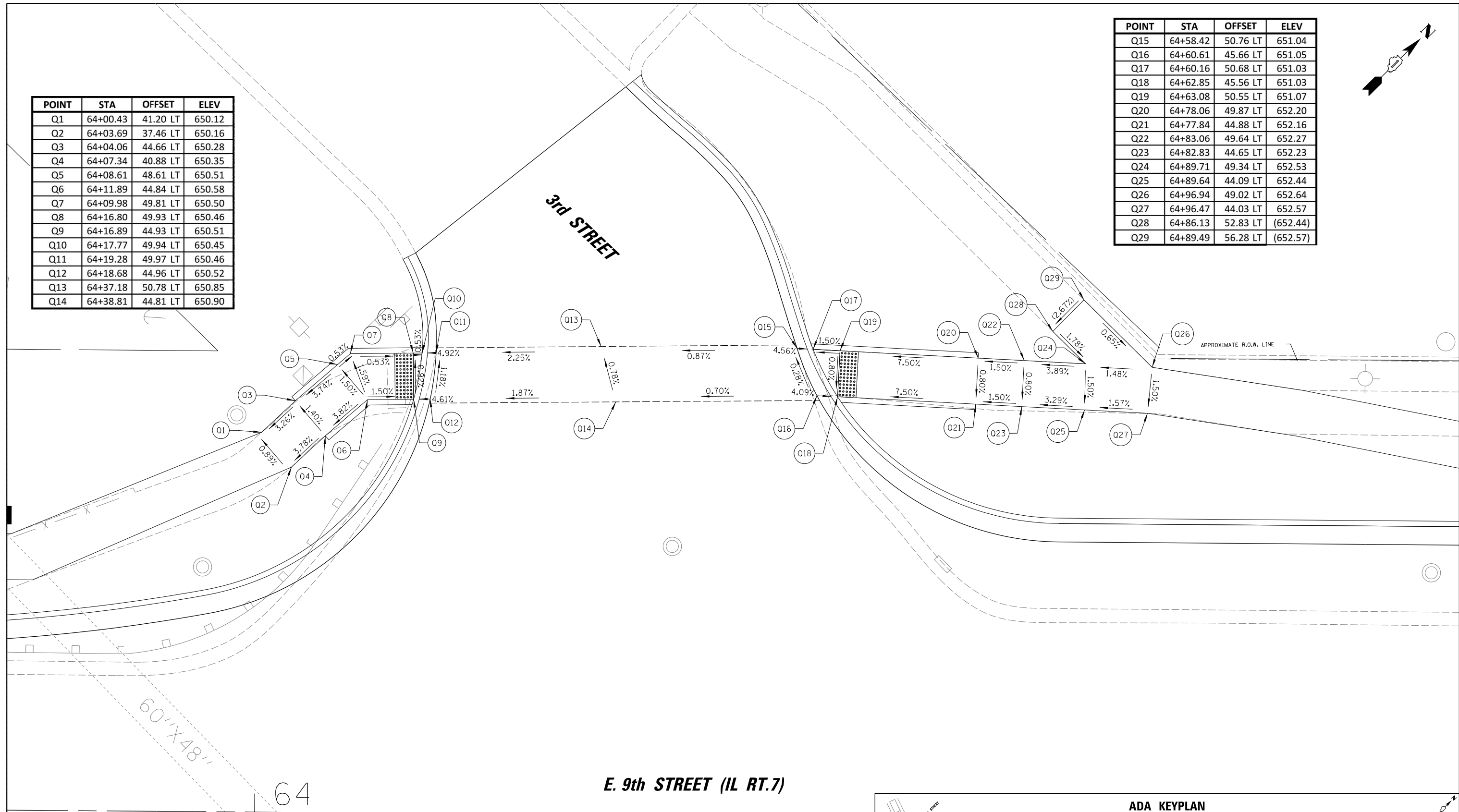
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	113
CONTRACT NO. 61H98				

ILLINOIS FED. AID PROJECT

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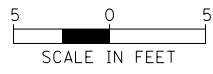
POINT	STA	OFFSET	ELEV
Q15	64+58.42	50.76 LT	651.04
Q16	64+60.61	45.66 LT	651.05
Q17	64+60.16	50.68 LT	651.03
Q18	64+62.85	45.56 LT	651.03
Q19	64+63.08	50.55 LT	651.07
Q20	64+78.06	49.87 LT	652.20
Q21	64+77.84	44.88 LT	652.16
Q22	64+83.06	49.64 LT	652.27
Q23	64+82.83	44.65 LT	652.23
Q24	64+89.71	49.34 LT	652.53
Q25	64+89.64	44.09 LT	652.44
Q26	64+96.94	49.02 LT	652.64
Q27	64+96.47	44.03 LT	652.57
Q28	64+86.13	52.83 LT	(652.44)
Q29	64+89.49	56.28 LT	(652.57)

POINT	STA	OFFSET	ELEV
Q1	64+00.43	41.20 LT	650.12
Q2	64+03.69	37.46 LT	650.16
Q3	64+04.06	44.66 LT	650.28
Q4	64+07.34	40.88 LT	650.35
Q5	64+08.61	48.61 LT	650.51
Q6	64+11.89	44.84 LT	650.58
Q7	64+09.98	49.81 LT	650.50
Q8	64+16.80	49.93 LT	650.46
Q9	64+16.89	44.93 LT	650.51
Q10	64+17.77	49.94 LT	650.45
Q11	64+19.28	49.97 LT	650.46
Q12	64+18.68	44.96 LT	650.52
Q13	64+37.18	50.78 LT	650.85
Q14	64+38.81	44.81 LT	650.90

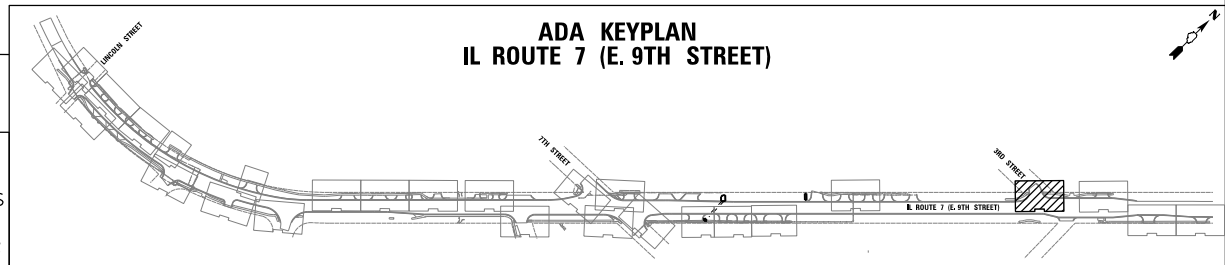


60'x48'
64

E. 9th STREET (IL RT.7)



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

USER NAME = oschofer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: 1:5 SHEET NO. 23 OF 26 SHEETS STA. TO STA.

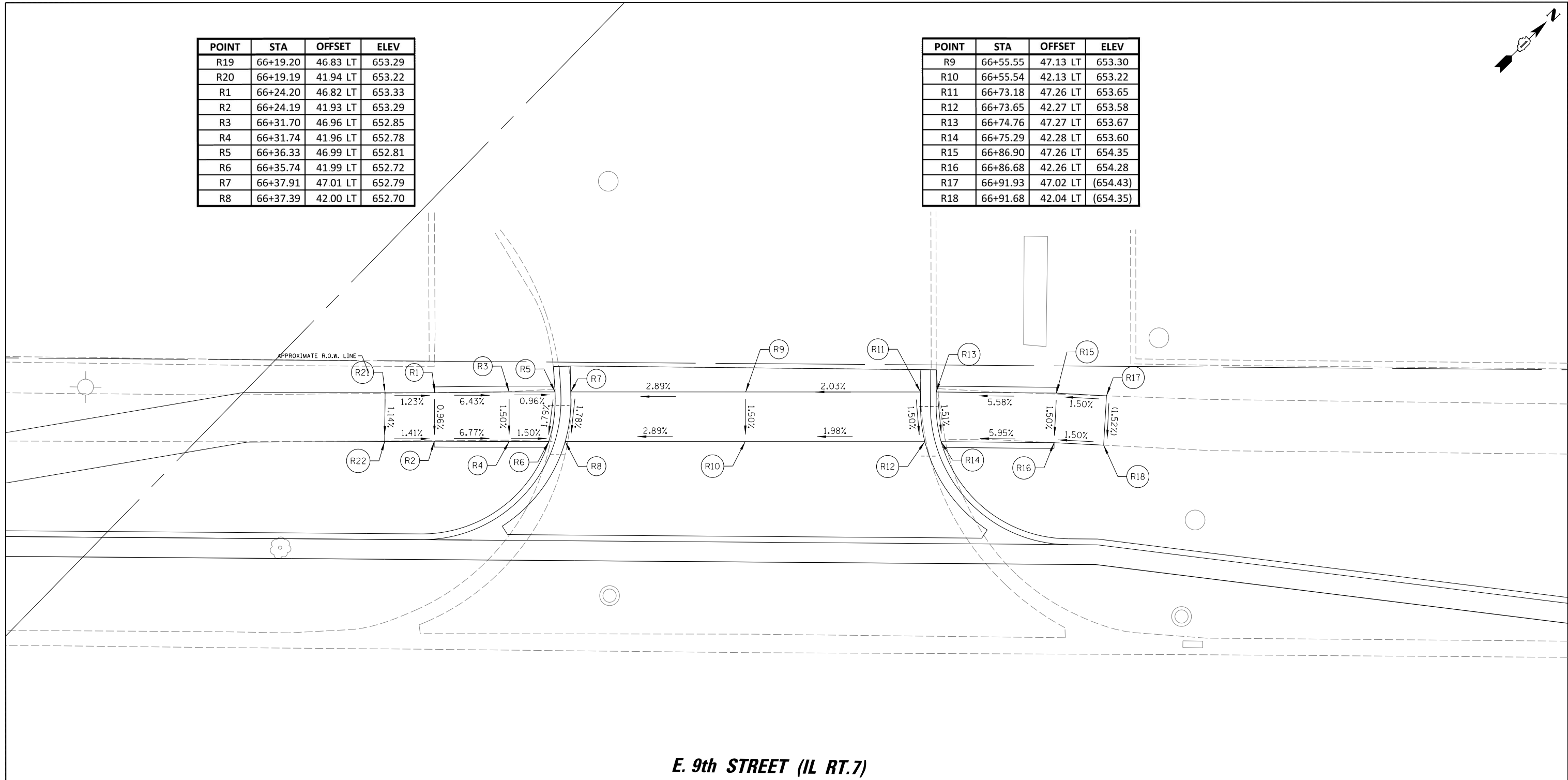
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	114
CONTRACT NO. 61H98				

ILLINOIS FED. AID PROJECT

N:\Lockport\170491\00001\Civil\ADA23.170491_01.sht

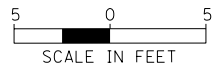
POINT	STA	OFFSET	ELEV
R19	66+19.20	46.83 LT	653.29
R20	66+19.19	41.94 LT	653.22
R1	66+24.20	46.82 LT	653.33
R2	66+24.19	41.93 LT	653.29
R3	66+31.70	46.96 LT	652.85
R4	66+31.74	41.96 LT	652.78
R5	66+36.33	46.99 LT	652.81
R6	66+35.74	41.99 LT	652.72
R7	66+37.91	47.01 LT	652.79
R8	66+37.39	42.00 LT	652.70

POINT	STA	OFFSET	ELEV
R9	66+55.55	47.13 LT	653.30
R10	66+55.54	42.13 LT	653.22
R11	66+73.18	47.26 LT	653.65
R12	66+73.65	42.27 LT	653.58
R13	66+74.76	47.27 LT	653.67
R14	66+75.29	42.28 LT	653.60
R15	66+86.90	47.26 LT	654.35
R16	66+86.68	42.26 LT	654.28
R17	66+91.93	47.02 LT	(654.43)
R18	66+91.68	42.04 LT	(654.35)

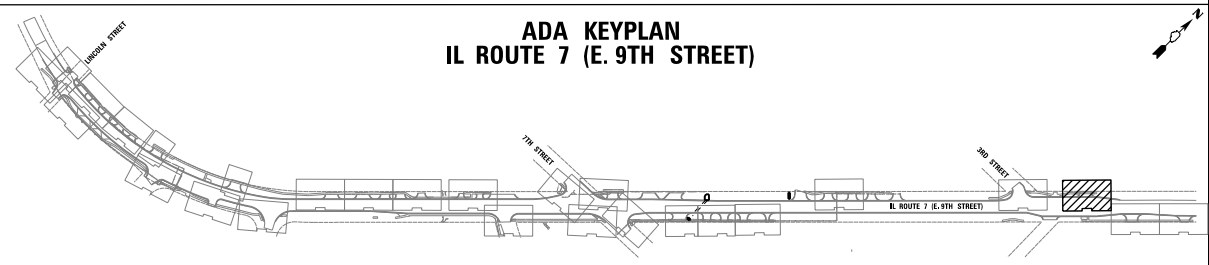


E. 9th STREET (IL RT.7)

66



LEGEND	
(X.XX%)	EXISTING SLOPE
X.XX%	PROPOSED SLOPE
—	CONCRETE CURB, TYPE B
▨	DETECTABLE WARNINGS
---	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2860

USER NAME = <i>oschoefer</i>	DESIGNED - <i>AJS</i>	REVISED -
	DRAWN - <i>JTA</i>	REVISED -
PLOT SCALE = 5'	CHECKED - <i>BMW</i>	REVISED -
PLOT DATE = 11/9/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

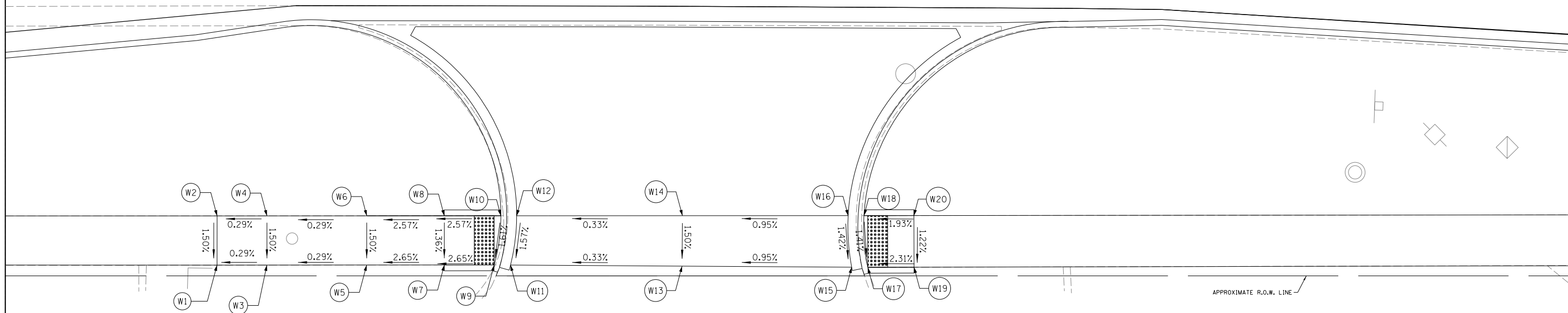
SCALE: 1:5,00311 SHEET NO. 24 OF 26 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	115
CONTRACT NO. 61H98				

ILLINOIS FED. AID PROJECT

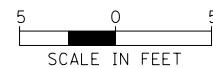
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E. 9th STREET (IL RT.7)

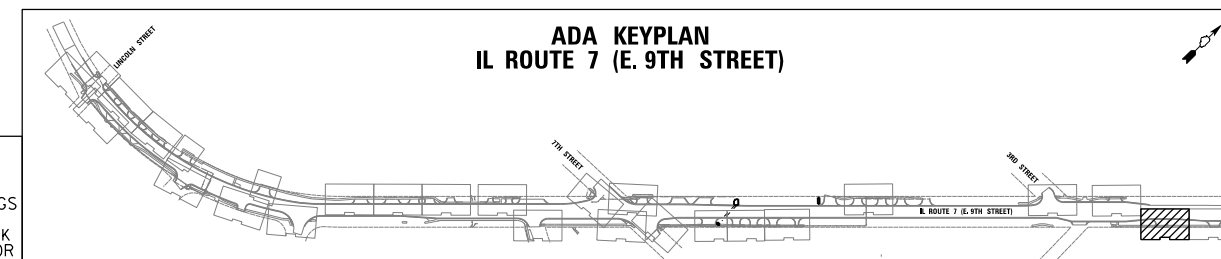


POINT	STA	OFFSET	ELEV
W1	67+60.13	48.92 RT	653.37
W2	67+60.14	43.99 RT	653.45
W3	67+65.13	48.92 RT	653.38
W4	67+65.14	43.99 RT	653.46
W5	67+75.13	48.91 RT	653.41
W6	67+75.14	43.98 RT	653.49
W7	67+82.90	48.90 RT	653.62
W8	67+82.90	43.98 RT	653.69
W9	67+87.90	48.90 RT	653.75
W10	67+88.57	43.98 RT	653.83

POINT	STA	OFFSET	ELEV
W11	67+89.54	48.91 RT	653.56
W12	67+90.15	43.98 RT	653.64
W13	68+06.73	49.02 RT	653.62
W14	68+06.76	43.97 RT	653.70
W15	68+23.72	49.13 RT	653.78
W16	68+23.37	43.96 RT	653.86
W17	68+25.34	49.14 RT	653.85
W18	68+24.95	43.96 RT	653.92
W19	68+29.97	49.13 RT	653.96
W20	68+29.95	43.95 RT	654.02



LEGEND	
(X.XX%)	EXISTING SLOPE
X.XX%	PROPOSED SLOPE
—	CONCRETE CURB, TYPE B
[Pattern]	DETECTABLE WARNINGS
---	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2800</p>	USER NAME = oschoefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 5'	CHECKED - BMW	REVISED -
	PLOT DATE = 11/9/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: 1:5 SHEET NO. 25 OF 26 SHEETS STA. TO STA.

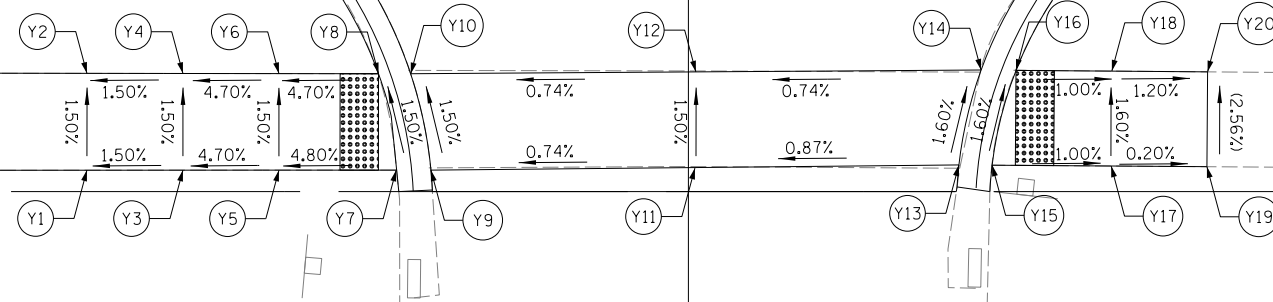
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	116
				CONTRACT NO. 61H98

ILLINOIS FED. AID PROJECT

69

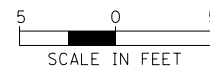
70+00

E. 9th STREET (IL RT.7)



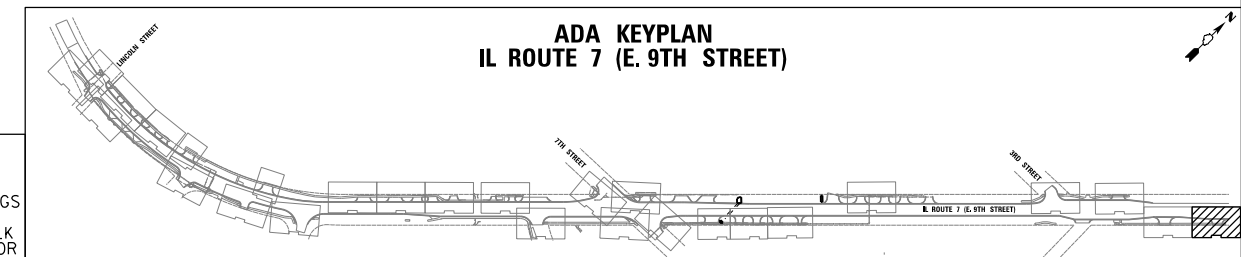
POINT	STA	OFFSET	ELEV
Y1	69+46.67	48.88 RT	656.14
Y2	69+46.67	43.84 RT	656.21
Y3	69+51.67	48.88 RT	656.21
Y4	69+51.67	43.84 RT	656.28
Y5	69+56.67	48.88 RT	656.59
Y6	69+56.67	43.85 RT	656.52
Y7	69+62.78	48.88 RT	656.83
Y8	69+61.67	43.86 RT	656.75
Y9	69+64.59	48.88 RT	656.77
Y10	69+63.54	43.86 RT	656.69

POINT	STA	OFFSET	ELEV
Y11	69+78.35	48.75 RT	656.87
Y12	69+75.39	43.75 RT	656.80
Y13	69+92.09	48.61 RT	656.99
Y14	69+93.25	43.67 RT	656.91
Y15	69+93.82	48.62 RT	657.05
Y16	69+95.07	43.68 RT	656.97
Y17	70+00.00	48.66 RT	657.00
Y18	70+00.00	43.72 RT	656.92
Y19	70+05.00	48.70 RT	(656.99)
Y20	70+05.00	43.75 RT	(656.86)



LEGEND

(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

USER NAME = oschofer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - JTA	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
ADA RAMP DETAILS**

SCALE: 1:5 SHEET NO. 26 OF 26 SHEETS STA. TO STA.

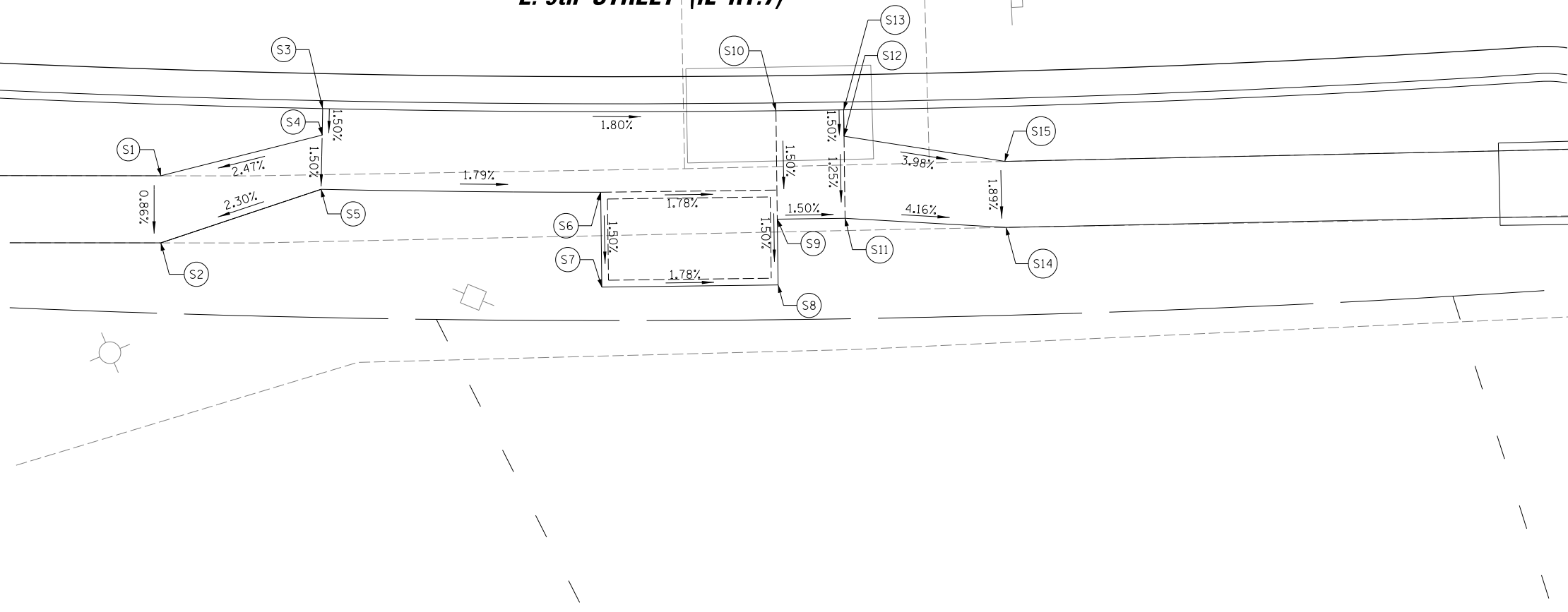
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	117
				CONTRACT NO. 61H98

ILLINOIS FED. AID PROJECT

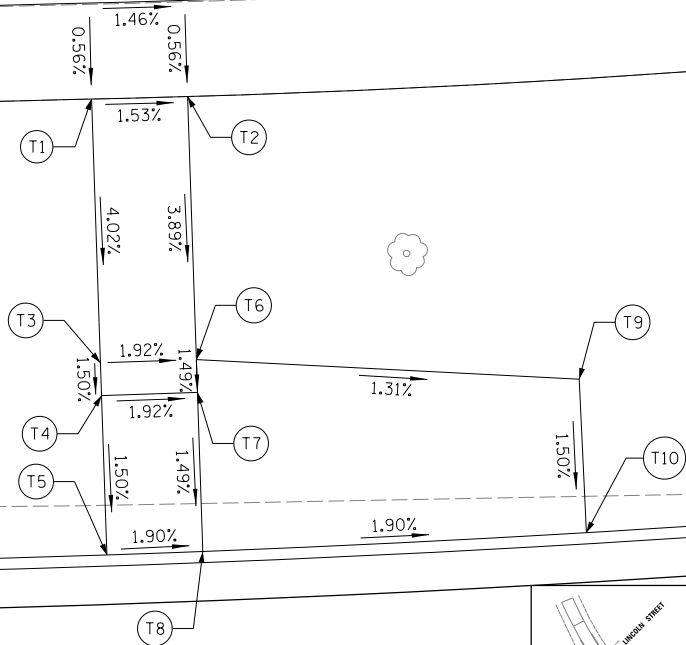
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E. 9th STREET (IL RT.7)

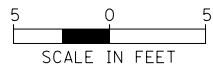
POINT	STA	OFFSET	ELEV
S1	36+99.12	39.85 RT	647.25
S2	36+99.27	44.81 RT	647.21
S3	37+10.50	34.58 RT	647.58
S4	37+10.50	36.54 RT	647.56
S5	37+10.50	40.54 RT	647.50
S6	37+30.32	40.53 RT	647.13
S7	37+30.42	47.53 RT	647.02
S8	37+42.83	47.43 RT	646.79
S9	37+42.83	42.58 RT	646.86
S10	37+42.82	34.58 RT	646.98
S11	37+47.62	42.58 RT	646.79
S12	37+47.64	36.53 RT	646.86
S13	37+47.65	34.58 RT	646.89
S14	37+58.99	43.51 RT	646.29
S15	37+59.03	38.64 RT	646.39



POINT	STA	OFFSET	ELEV
T1	37+65.38	44.35 LT	643.56
T2	37+70.61	44.29 LT	643.48
T3	37+65.38	30.60 LT	643.95
T4	37+65.38	28.89 LT	643.95
T5	37+65.38	20.58 LT	643.96
T6	37+70.54	30.58 LT	643.87
T7	37+70.53	28.87 LT	643.87
T8	37+70.48	20.58 LT	643.87
T9	37+91.01	28.58 LT	643.61
T10	37+90.91	20.58 LT	643.49

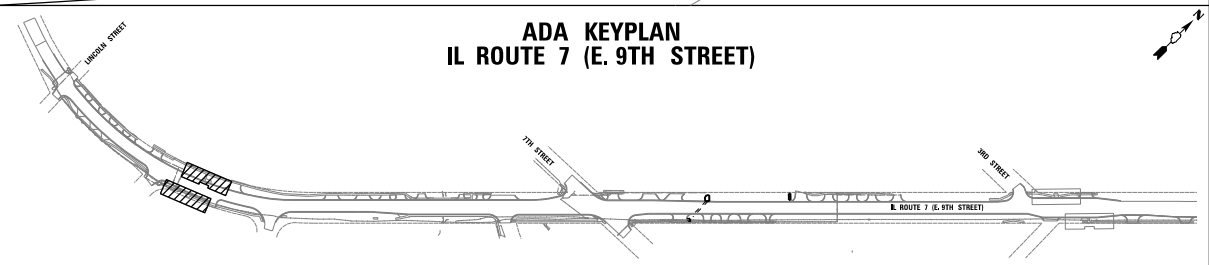


E. 9th STREET (IL RT.7)



LEGEND	
(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)
CONCRETE CURB, TYPE B	

**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**



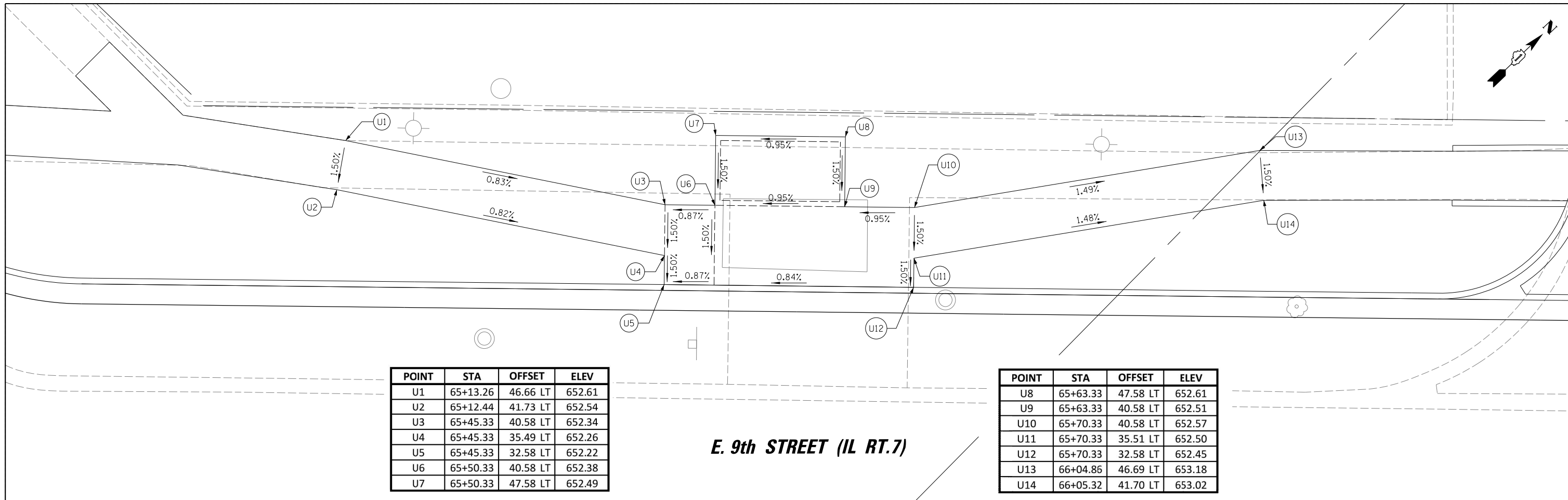
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
BUS PAD DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	118
CONTRACT NO. 61H98				

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2800

USER NAME	DESIGNED	REVISIONS
oschoefer	AJS	
	JTA	
	BMW	

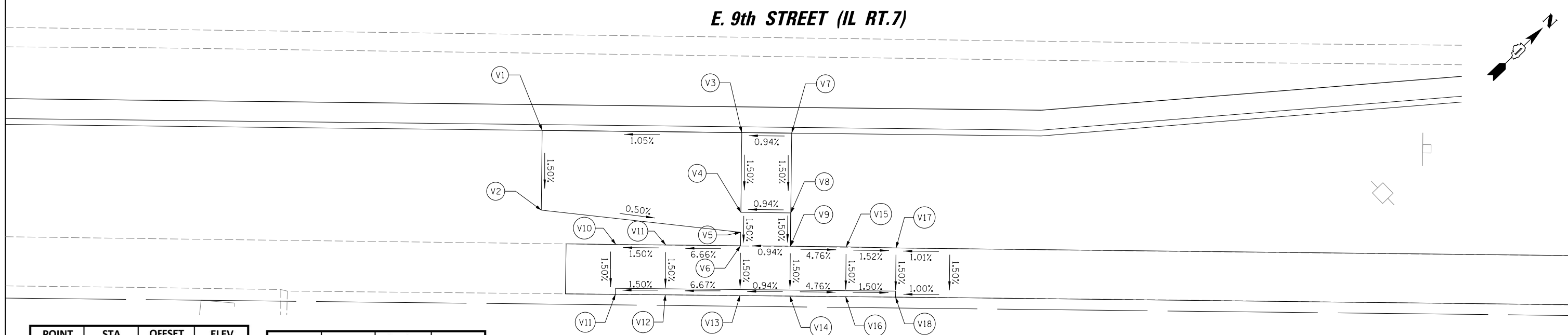


POINT	STA	OFFSET	ELEV
U1	65+13.26	46.66 LT	652.61
U2	65+12.44	41.73 LT	652.54
U3	65+45.33	40.58 LT	652.34
U4	65+45.33	35.49 LT	652.26
U5	65+45.33	32.58 LT	652.22
U6	65+50.33	40.58 LT	652.38
U7	65+50.33	47.58 LT	652.49

POINT	STA	OFFSET	ELEV
U8	65+63.33	47.58 LT	652.61
U9	65+63.33	40.58 LT	652.51
U10	65+70.33	40.58 LT	652.57
U11	65+70.33	35.51 LT	652.50
U12	65+70.33	32.58 LT	652.45
U13	66+04.86	46.69 LT	653.18
U14	66+05.32	41.70 LT	653.02

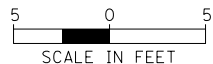
E. 9th STREET (IL RT.7)

E. 9th STREET (IL RT.7)



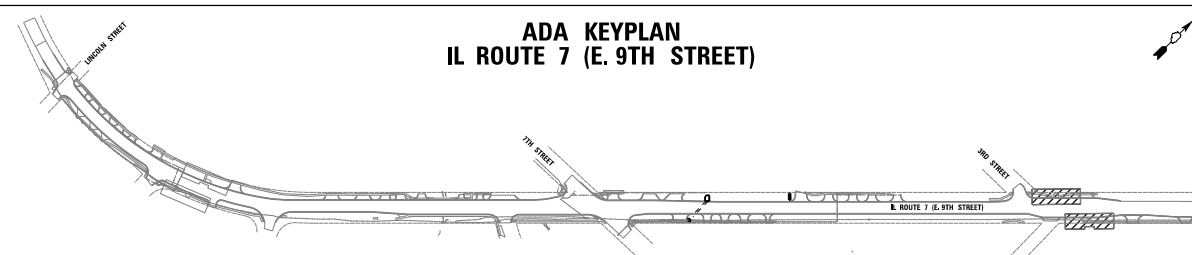
POINT	STA	OFFSET	ELEV
V1	66+41.01	32.58 RT	653.12
V2	66+41.01	40.58 RT	653.24
V3	66+61.01	32.58 RT	653.32
V4	66+61.01	40.58 RT	653.18
V5	66+61.01	42.58 RT	653.14
V6	66+61.01	43.93 RT	653.12
V7	66+66.01	32.58 RT	653.36
V8	66+66.01	40.58 RT	653.23
V9	66+66.01	43.92 RT	653.17

POINT	STA	OFFSET	ELEV
V10	66+48.52	43.94 RT	652.55
V11	66+53.52	43.94 RT	652.62
V12	66+53.53	48.94 RT	652.55
V13	66+61.01	48.93 RT	653.05
V14	66+66.01	48.92 RT	653.10
V15	66+71.59	43.92 RT	652.90
V16	66+71.59	48.92 RT	652.83
V17	66+76.59	43.98 RT	652.83
V18	66+76.59	48.91 RT	652.75



LEGEND

(X.XX%) EXISTING SLOPE
 X.XX% PROPOSED SLOPE
 CONCRETE CURB, TYPE B
 DETECTABLE WARNINGS
 PROPOSED CROSSWALK (SEE PMK SHEETS FOR PAVEMENT MARKINGS)



**ADA KEYPLAN
IL ROUTE 7 (E. 9TH STREET)**

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2800

USER NAME = oschoefer
 DESIGNED - AJS
 DRAWN - JTA
 CHECKED - BMW
 DATE

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

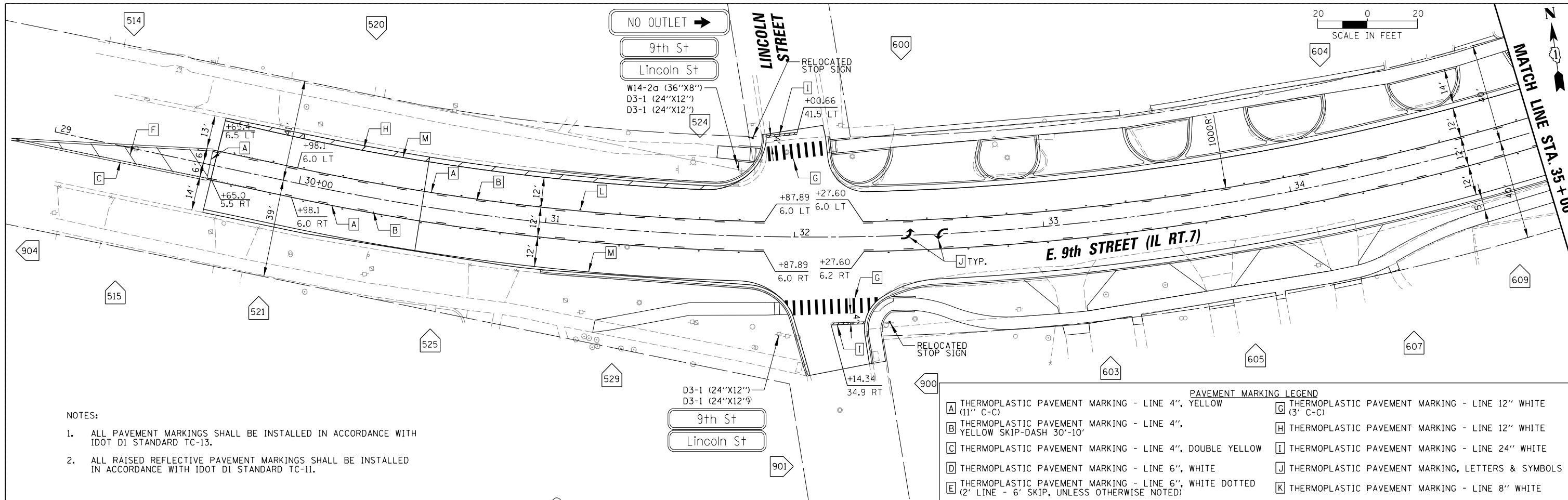
PLOT SCALE = 5'
 PLOT DATE = 11/9/2023

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 7 (E. 9TH STREET)
BUS PAD DETAILS**

SCALE: 1:5 SHEET NO. 2 OF 2 SHEETS STA. TO STA.

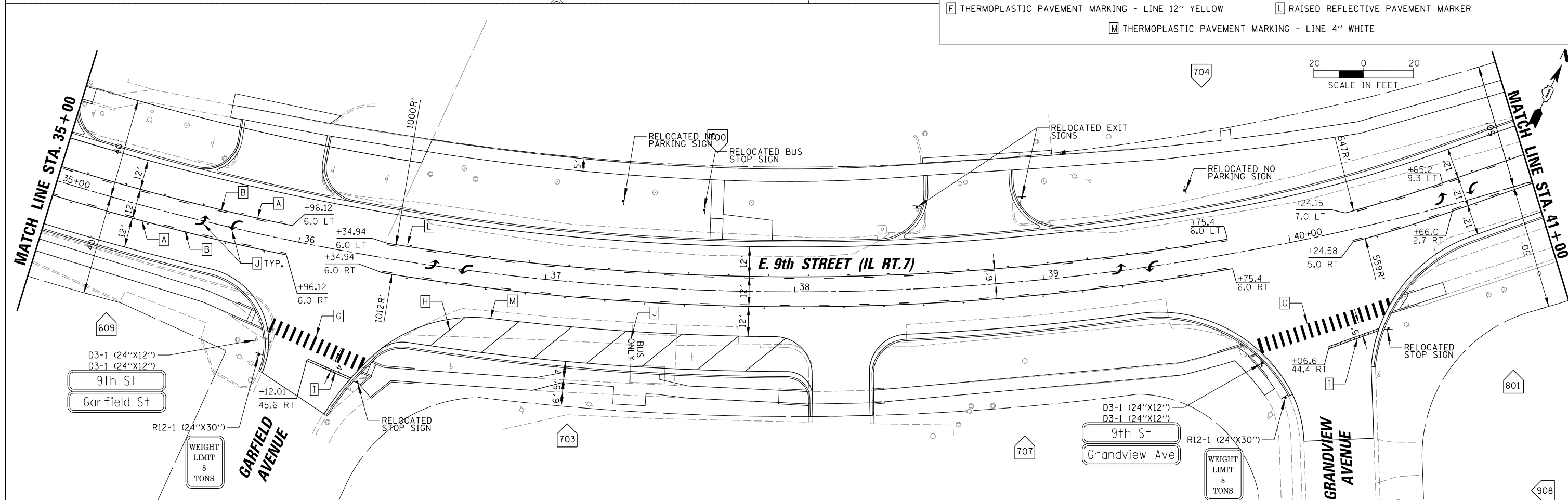
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	119
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				



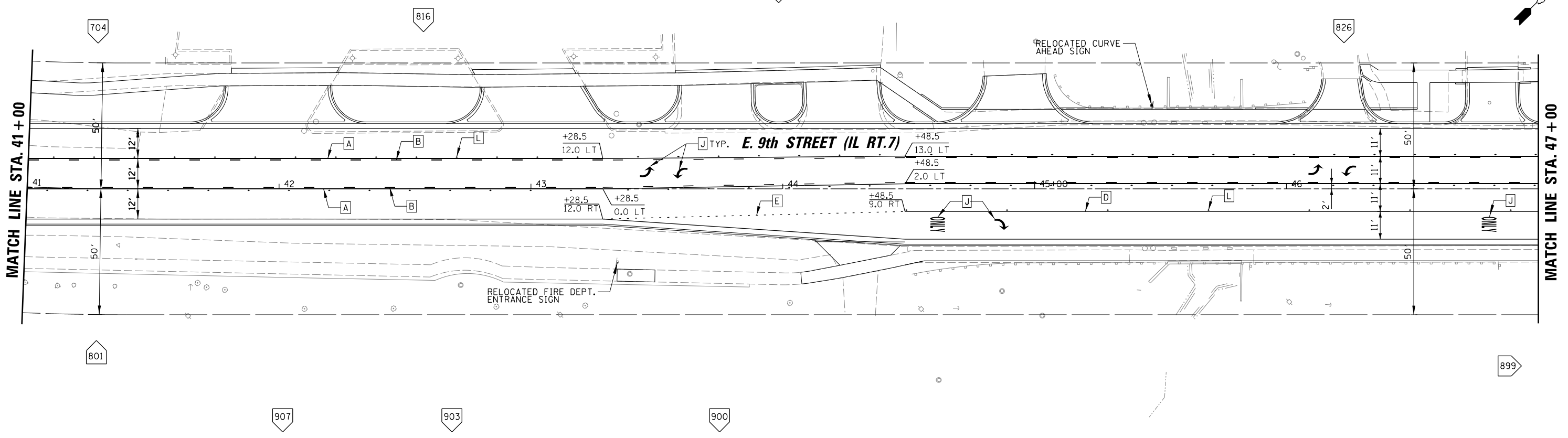
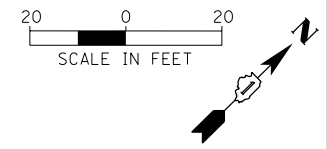
NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-13.
2. ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-11.

PAVEMENT MARKING LEGEND	
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (11" C-C)
B	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH 30'-10'
C	THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
D	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE
E	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)
F	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW
G	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)
H	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
I	THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
J	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
K	THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
L	RAISED REFLECTIVE PAVEMENT MARKER
M	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE



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- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT D1 STANDARD TC-13.
 2. ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT D1 STANDARD TC-11.

PAVEMENT MARKING LEGEND	
A THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (11" C-C)	G THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3" C-C)
B THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH 30'-10'	H THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
C THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW	I THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
D THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	J THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
E THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)	K THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
F THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	L RAISED REFLECTIVE PAVEMENT MARKER
M THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE	

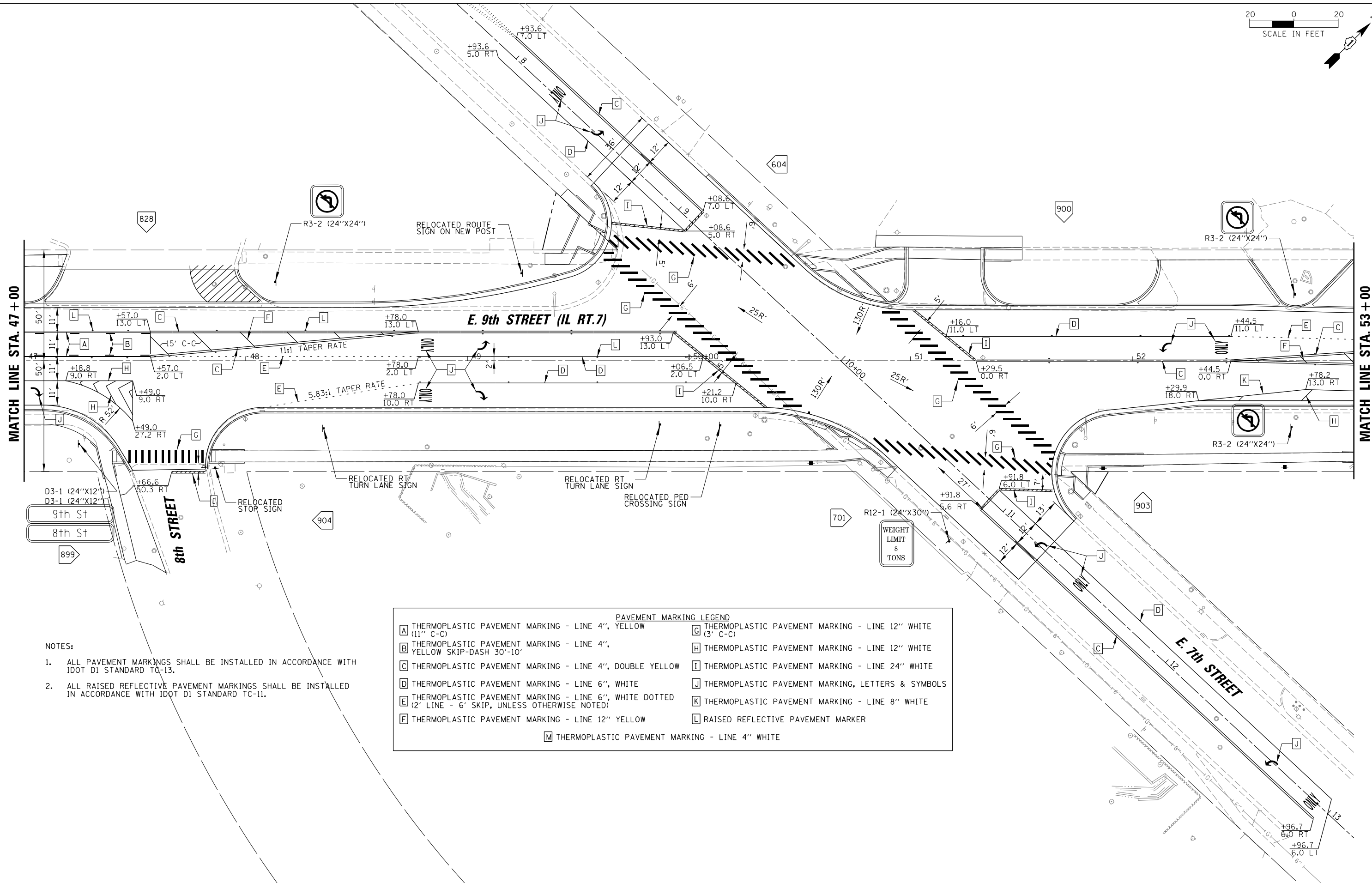
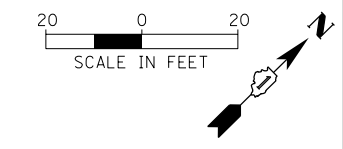
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2800</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 28'	DRAWN - AJS	REVISED -
	PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
		DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

E. 9TH STREET (IL RT 7) PAVEMENT MARKING & SIGNAGE PLAN			
SCALE: 20'	SHEET 2 OF 5 SHEETS	STA. 41+00 TO STA. 47+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	121
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA. 47 + 00

MATCH LINE STA. 53 + 00

E. 9th STREET (IL RT. 7)

E. 7th STREET

9th St
8th St

8th STREET

- NOTES:
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-13.
 - ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-11.

PAVEMENT MARKING LEGEND			
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (11' C-C)	G	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)
B	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH 30'-10'	H	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
C	THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW	I	THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
D	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	J	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
E	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)	K	THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
F	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	L	RAISED REFLECTIVE PAVEMENT MARKER
M	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2860

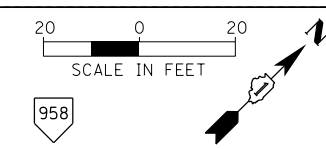
USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 28'	DRAWN - AJS	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

E. 9TH STREET (IL RT 7) PAVEMENT MARKING & SIGNAGE PLAN			
SCALE: 20'	SHEET 3 OF 5 SHEETS	STA. 47+00 TO STA. 53+00	

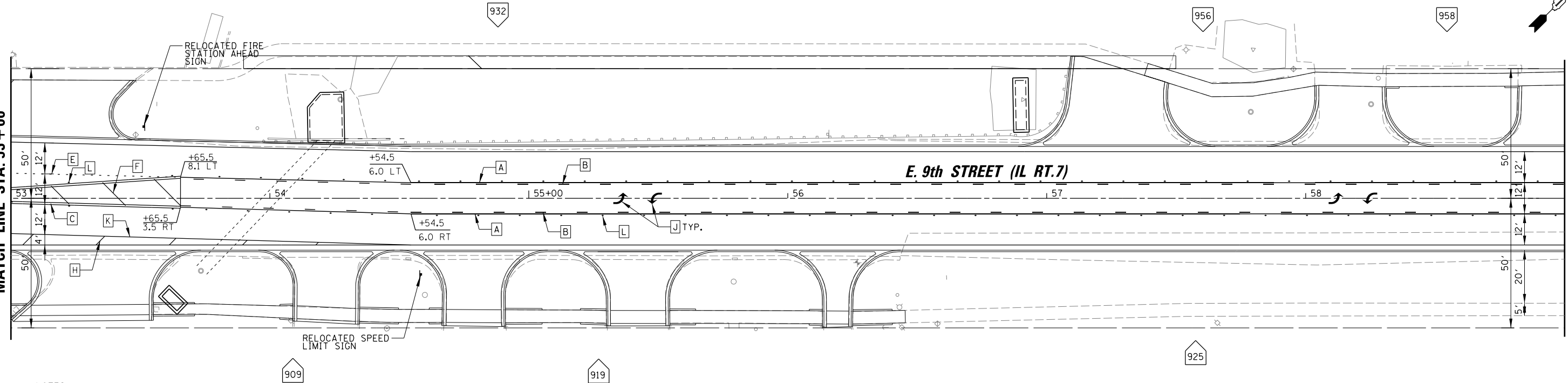
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	122
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA. 53+00

MATCH LINE STA. 59+00



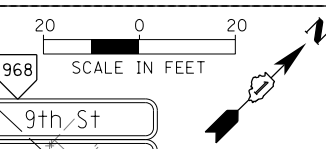
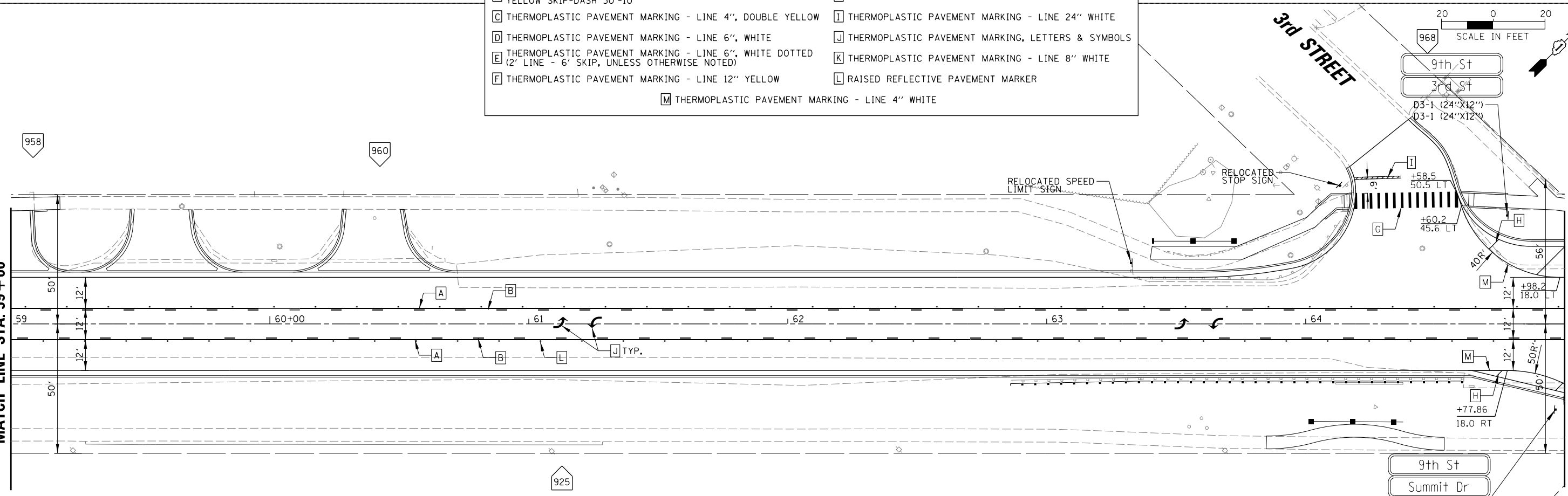
NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-13.
2. ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DI STANDARD TC-11.

PAVEMENT MARKING LEGEND	
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (11" C-C)
B	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH 30'-10'
C	THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
D	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE
E	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)
F	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW
G	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)
H	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
I	THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
J	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
K	THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
L	RAISED REFLECTIVE PAVEMENT MARKER
M	THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE

MATCH LINE STA. 59+00

MATCH LINE STA. 65+00



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2880

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 28'	DRAWN - AJS	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

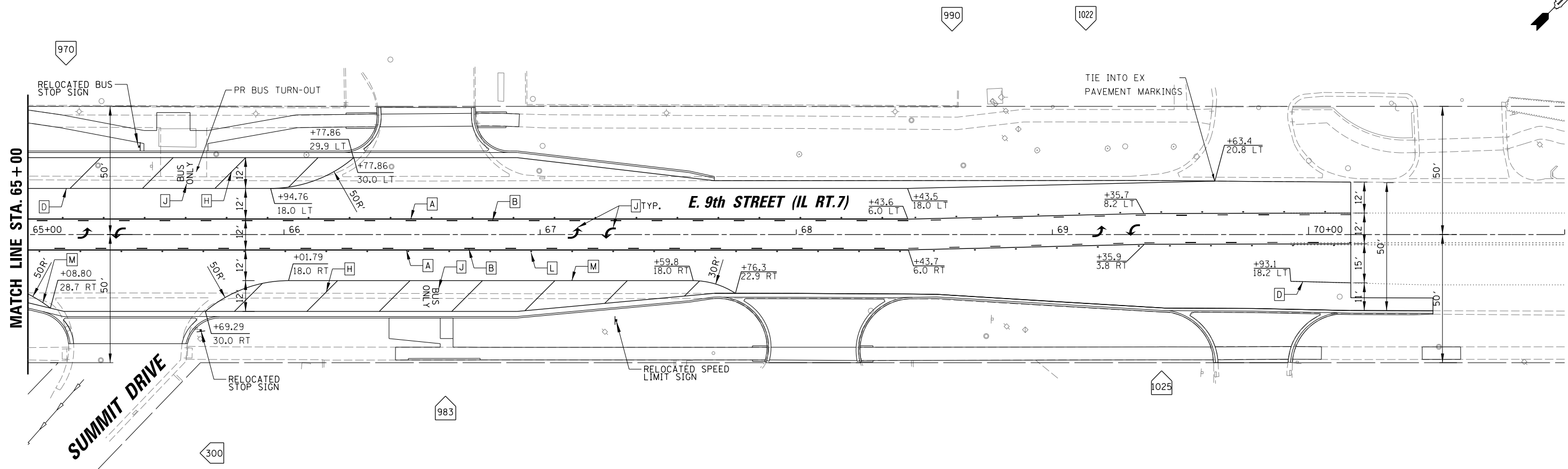
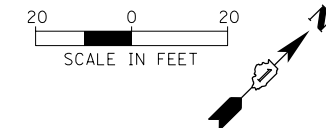
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PAVEMENT MARKING & SIGNAGE PLAN**

SCALE: 20' SHEET 4 OF 5 SHEETS STA. 53+00 TO STA. 65+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	123
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

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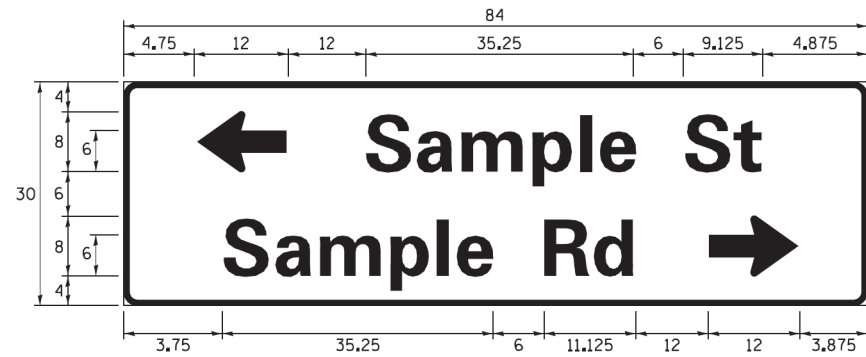
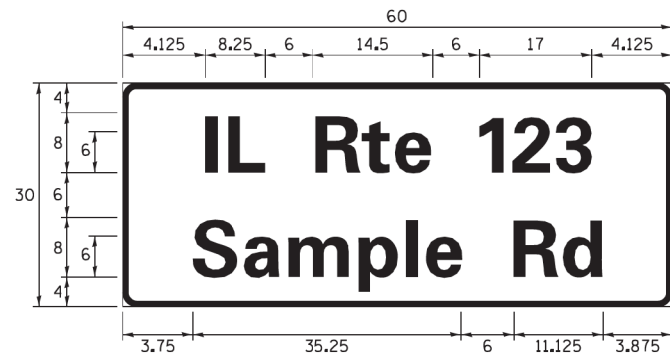
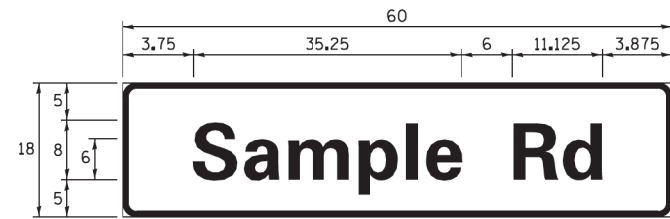


NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT D1 STANDARD TC-13.
2. ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT D1 STANDARD TC-11.

PAVEMENT MARKING LEGEND	
A THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW (11" C-C)	G THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)
B THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH 30'-10'	H THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
C THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW	I THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
D THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	J THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
E THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)	K THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
F THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	L RAISED REFLECTIVE PAVEMENT MARKER
M THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE	

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Bld	17.125	20.000
CIRCLE	Clr	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

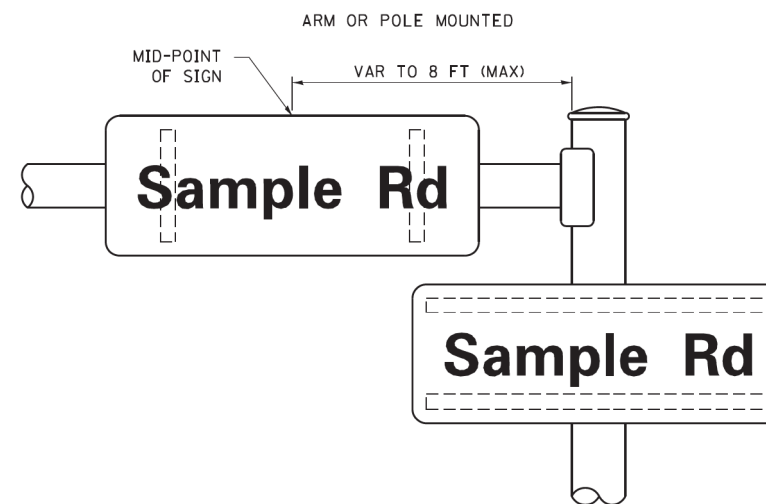
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

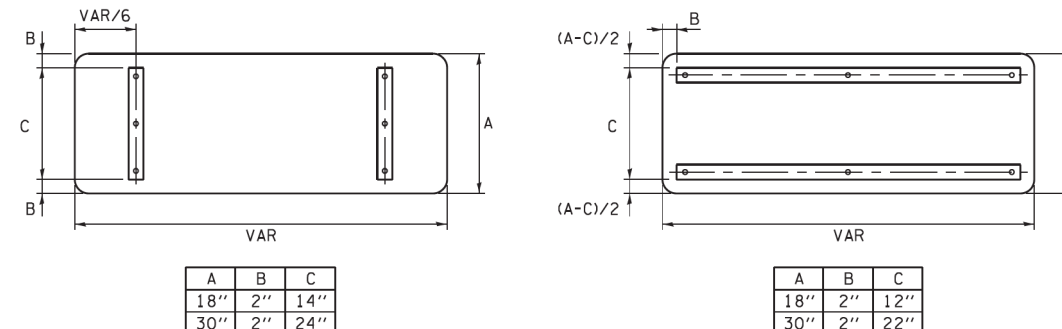
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- SELF TAPPING WITH NEOPRENE WASHER
- BRACKETS PART #HPN034 (UNIVERSAL)
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO.1

FILE NAME =	USER NAME = drivakosgn	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	F.A.R. RTE. 351	SECTION 18-00084-00-WR	COUNTY WILL	TOTAL SHEETS 211	SHEET NO. 125		
PLT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61H98	ILLINOIS FED. AID PROJECT		
PLT DATE = 7/31/2015	DATE - 10/01/2014	REVISED -	REVISED -									
DRAWN: CADData\CAD\Sheets\ts02.dgn PROJECT: \DOT\Offices\District 1\Projects\Dist-01\CD\CDData\CAD\Sheets\ts02.dgn												

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

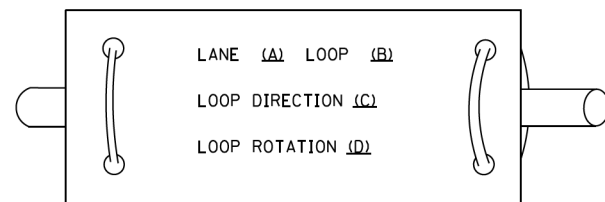
TS SHT NO.2

FILE NAME = ts05.dgn	USER NAME = lejoo	DESIGNED - JP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.R. RTE. 351	SECTION 18-00084-00-WR	COUNTY WILL	TOTAL SHEETS 211	SHEET NO. 126		
Default	PLOT SCALE = 50.0000' / 1in.	CHECKED - LP	REVISED -			SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61H98	
11/16/2023 ejensen	PLOT DATE = 9/29/2016	DATE - 9/29/2016	REVISED -			ILLINOIS FED. AID PROJECT						

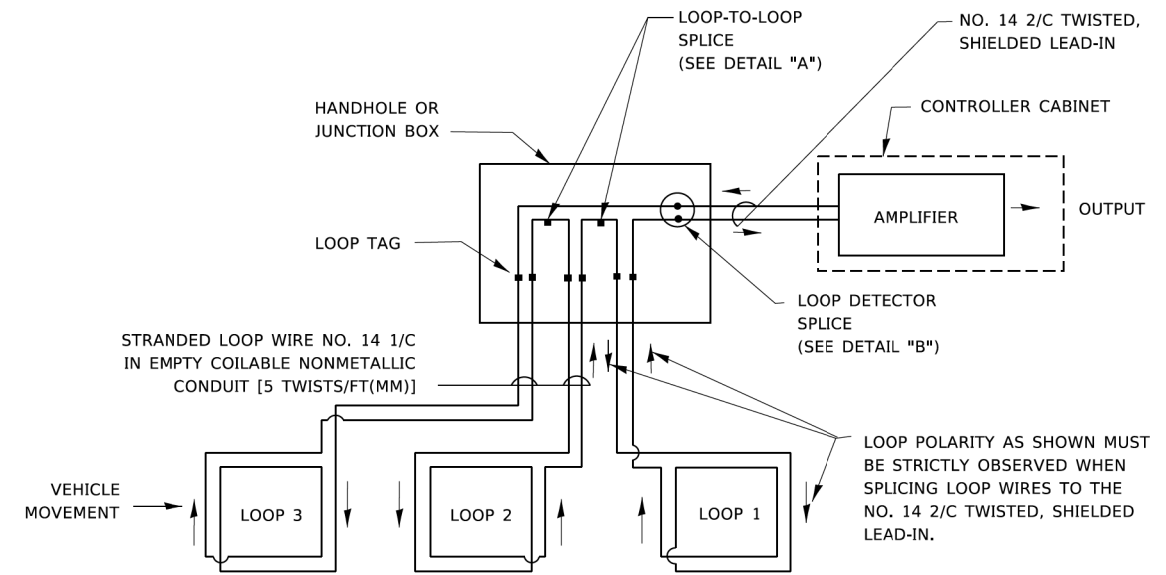
LOOP DETECTOR NOTES

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

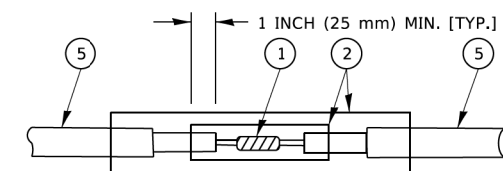


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

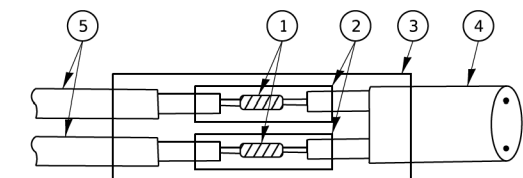


DETECTOR LOOP WIRING SCHEMATIC

- 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.

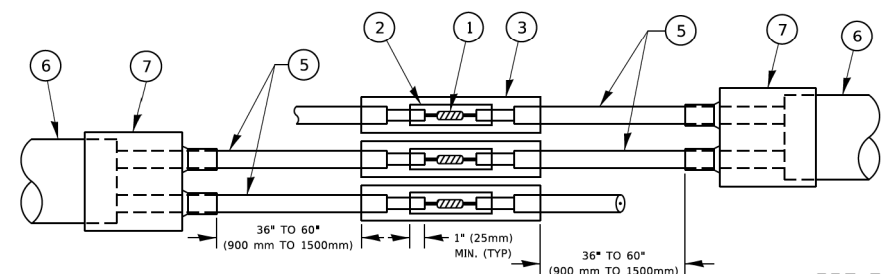


DETAIL "A"
LOOP-TO-LOOP SPLICE

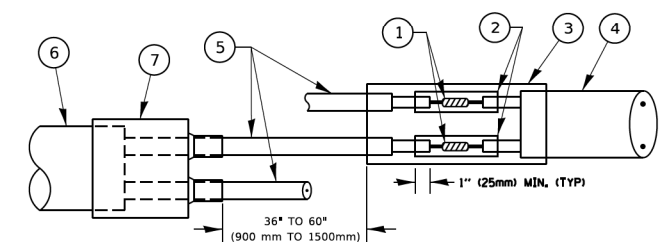


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

TS SHT NO. 3

USER NAME = footemj	DESIGNED -	REVISED -
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

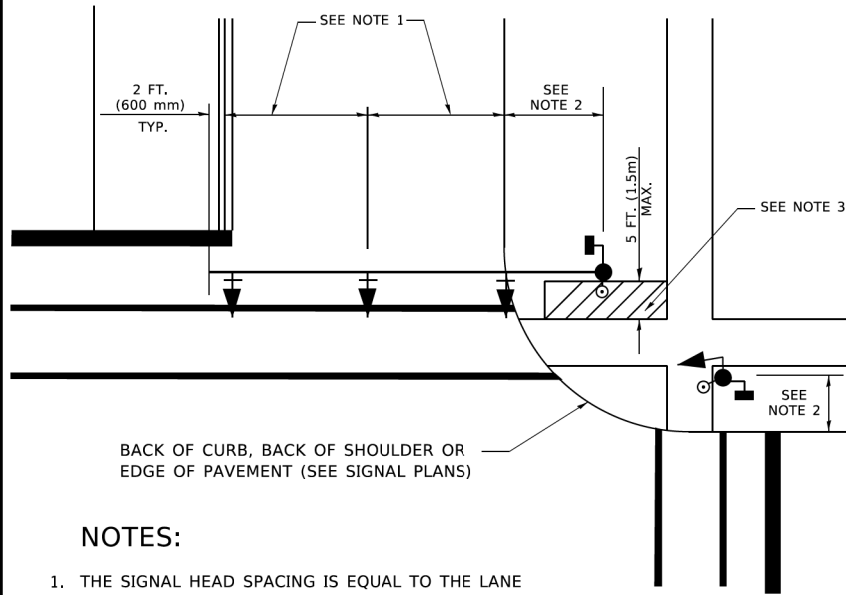
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

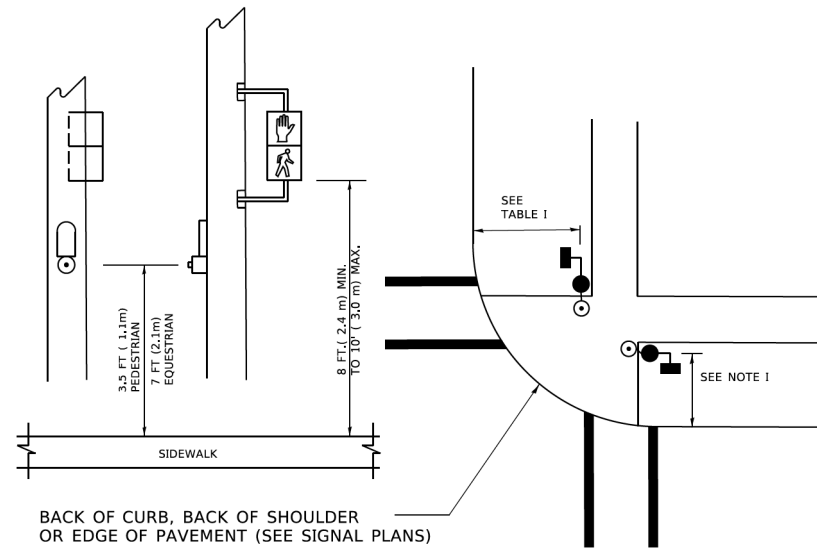
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

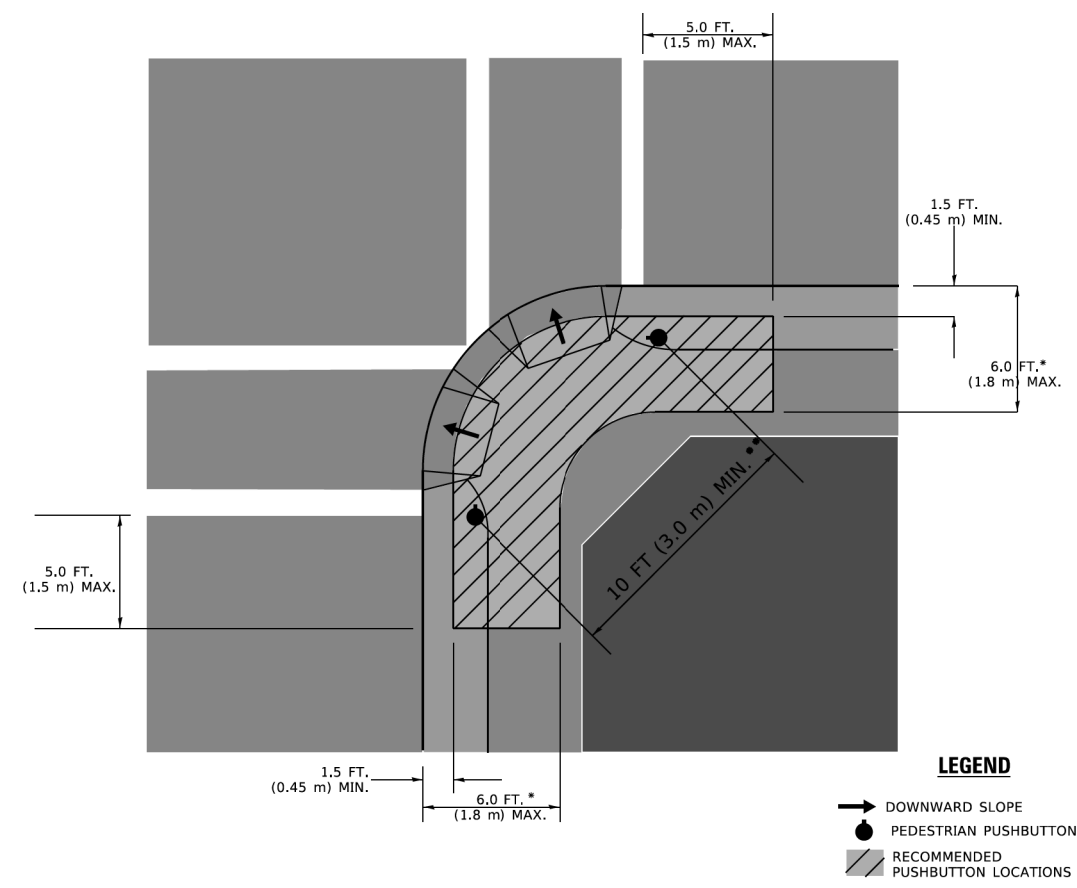
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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 (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), 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.

TS SHT NO. 4

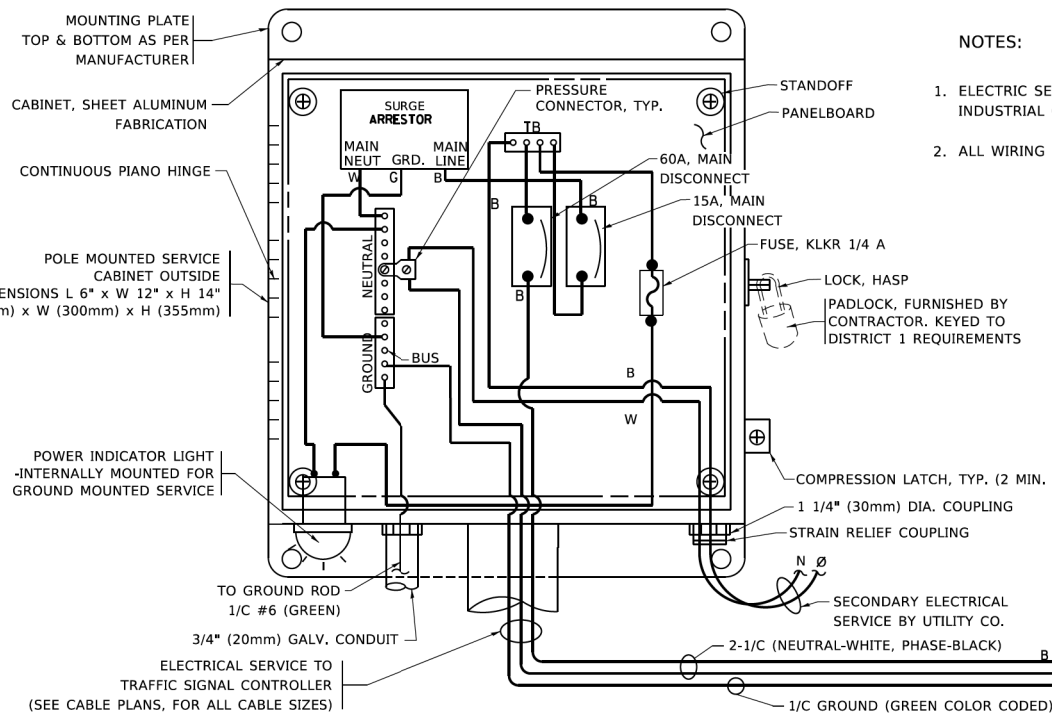
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

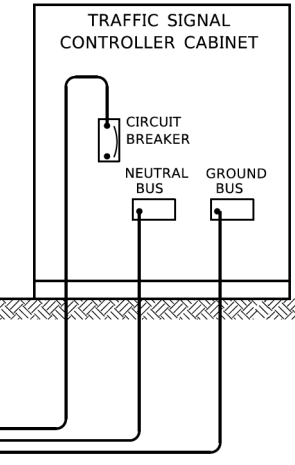
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

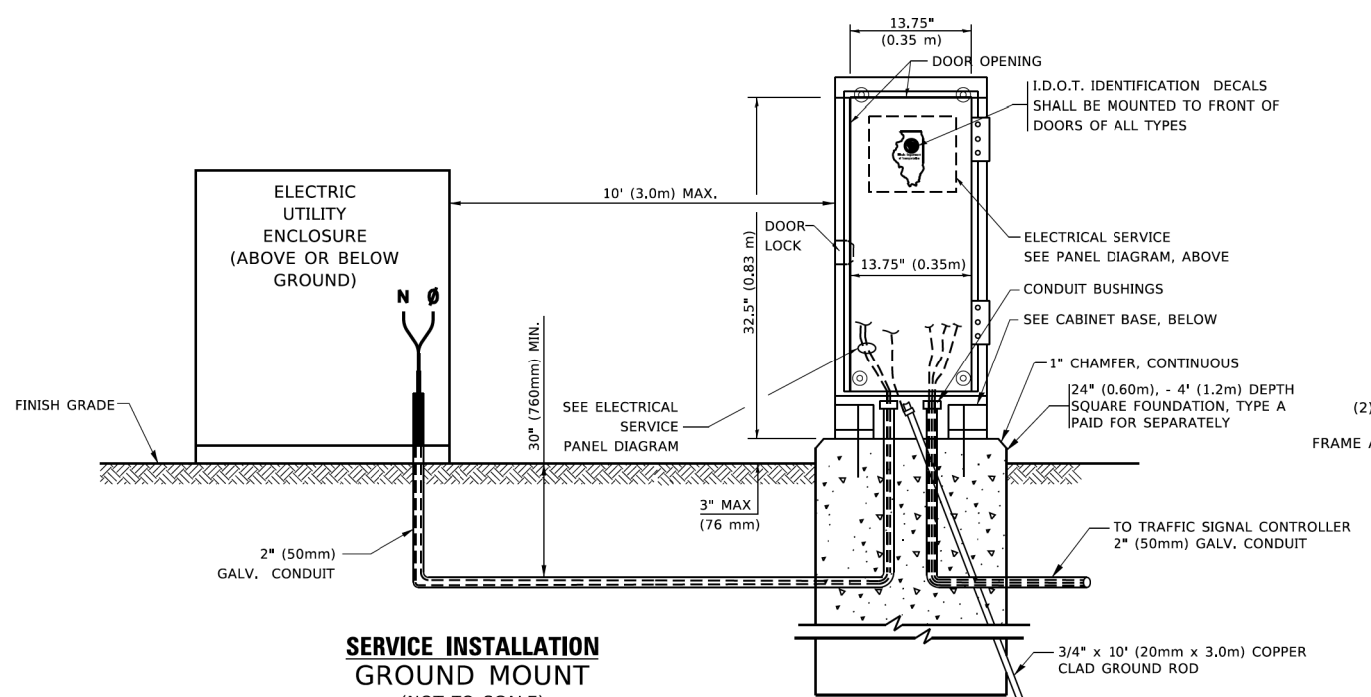
F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	128
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ILLINOIS FED. AID PROJECT				



- NOTES:
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

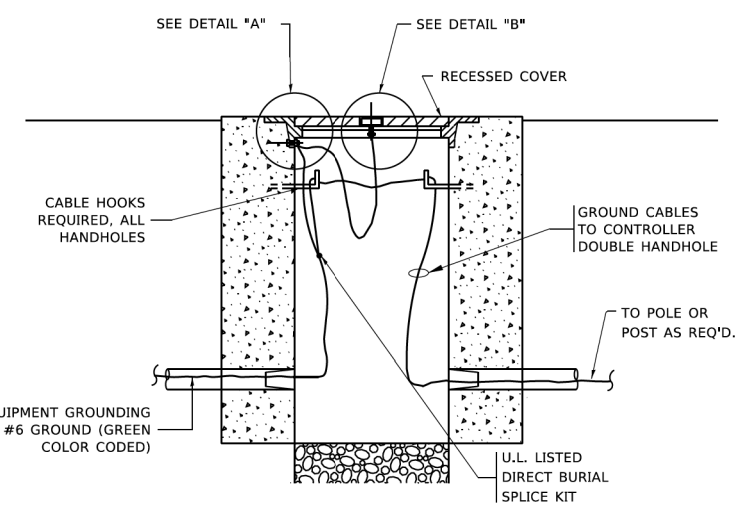
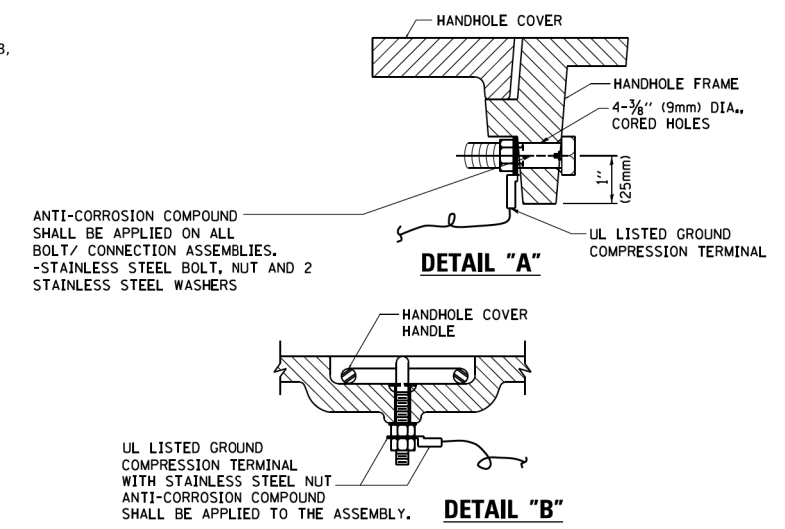
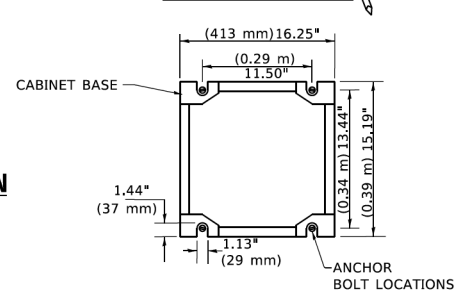


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

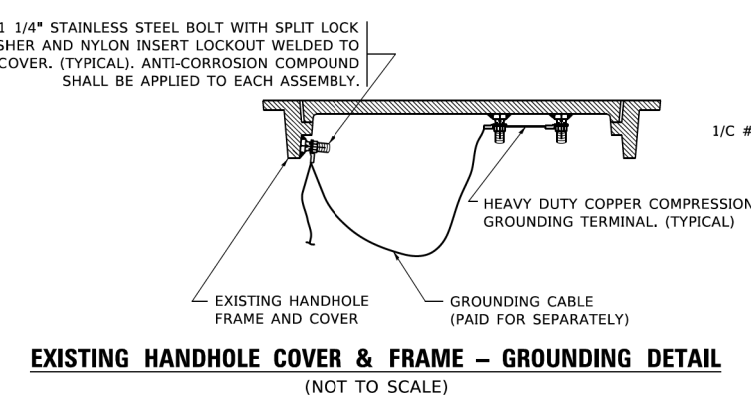


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

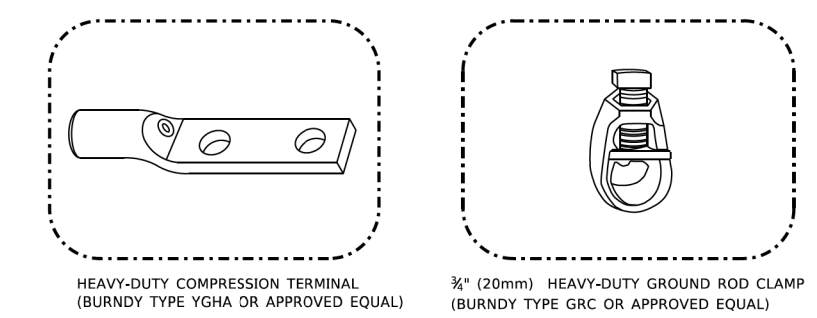
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



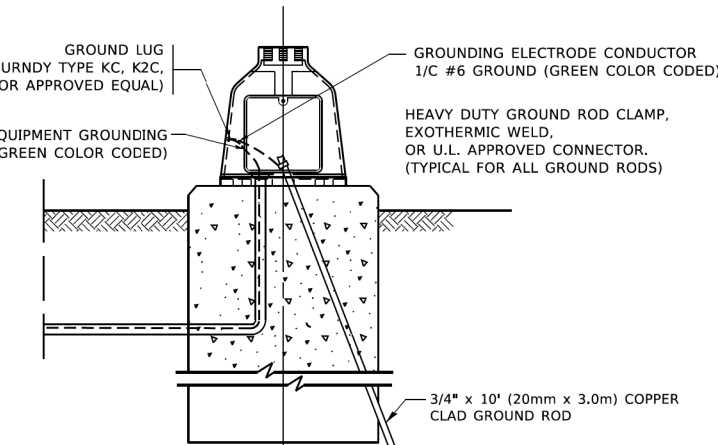
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



- 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.



MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)

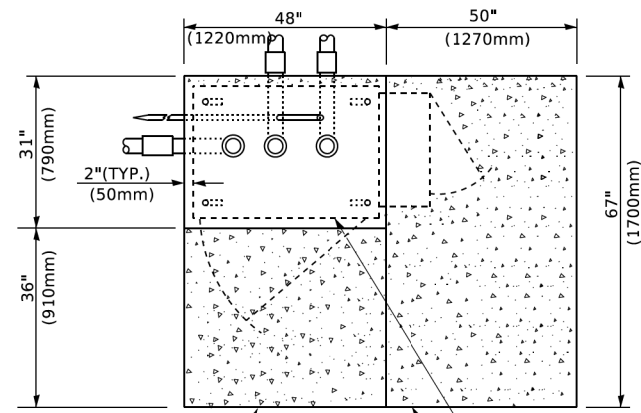
TS SHT NO. 5

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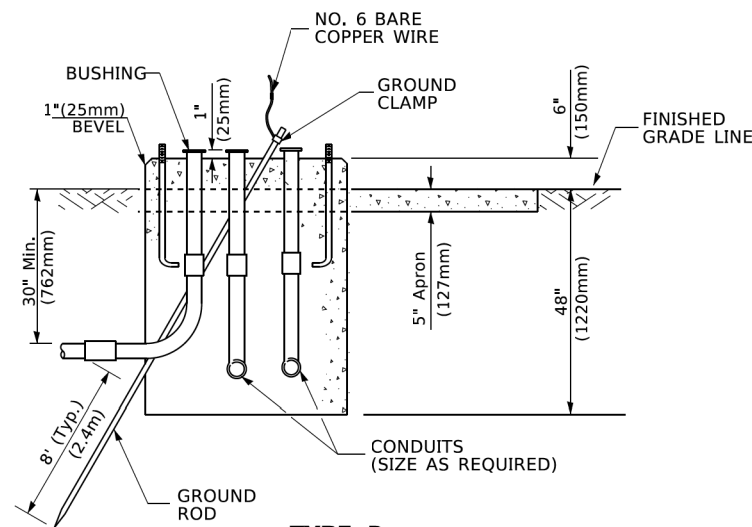
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

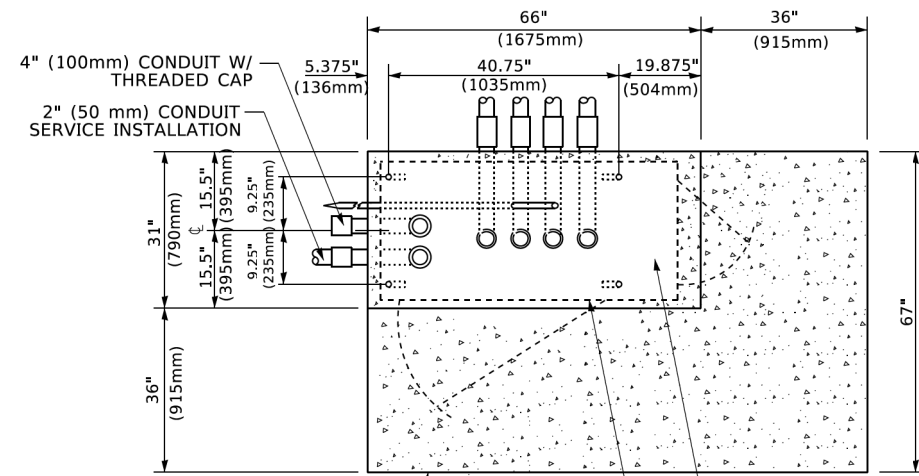
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	129
TS-05		CONTRACT NO. 61H98		
ILLINOIS FED. AID PROJECT				



TOP VIEW



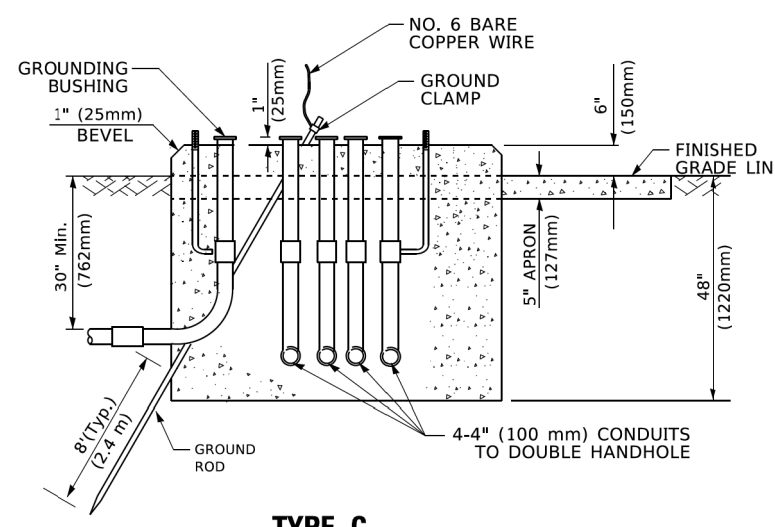
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



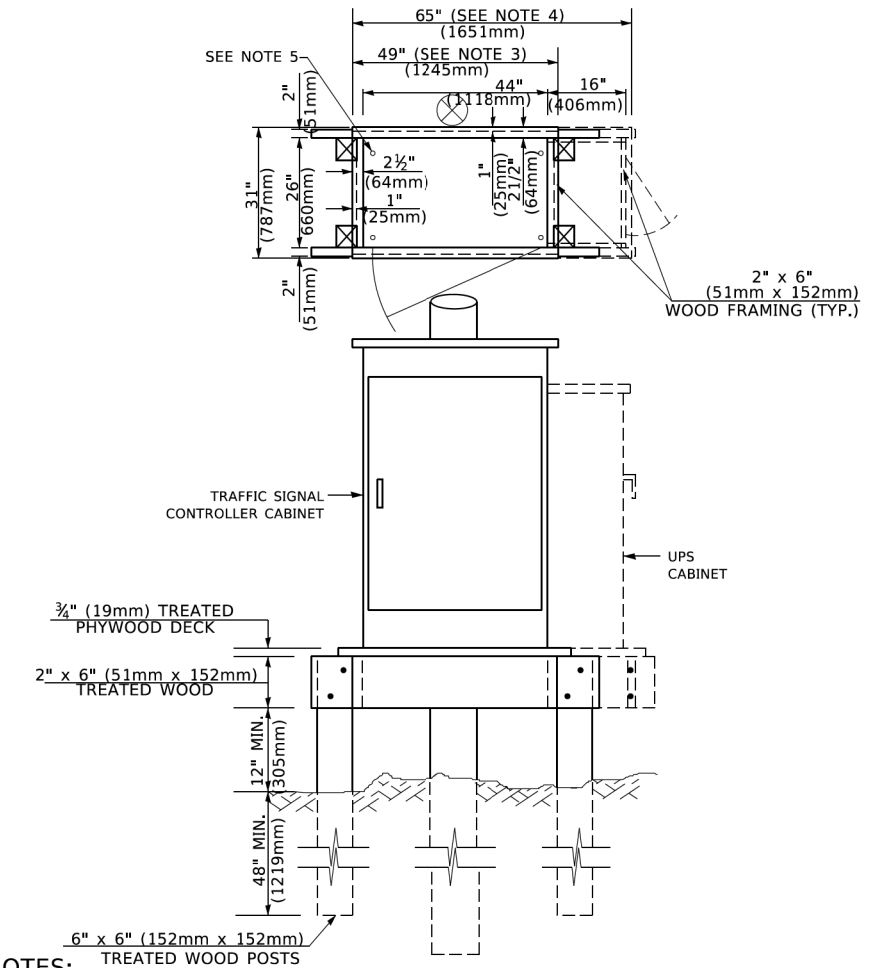
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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	① 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:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 6

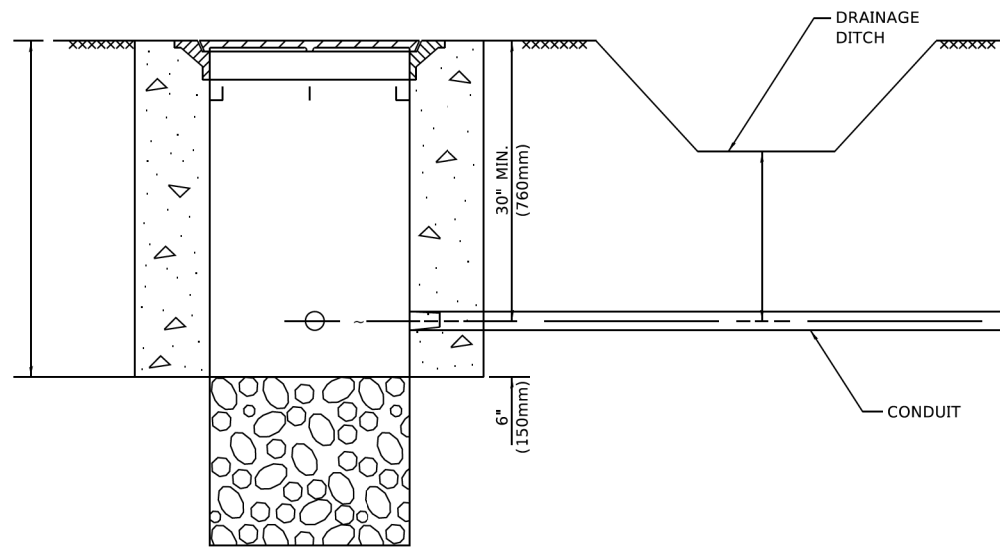
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

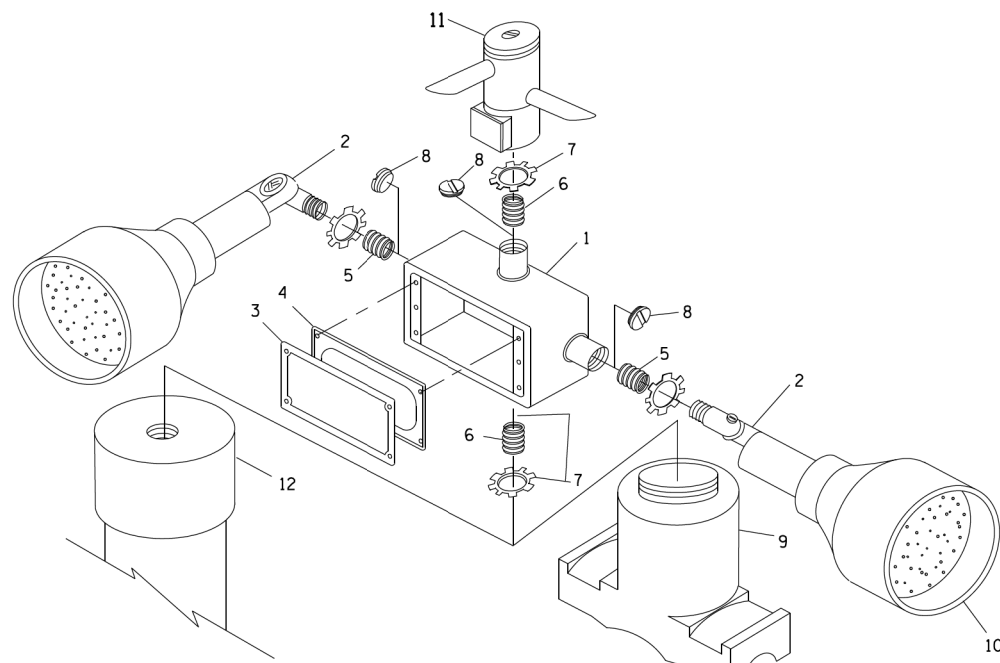
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				



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)

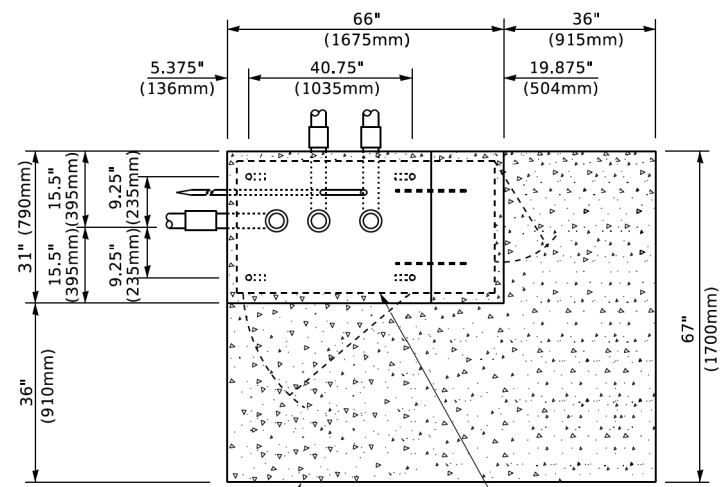


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

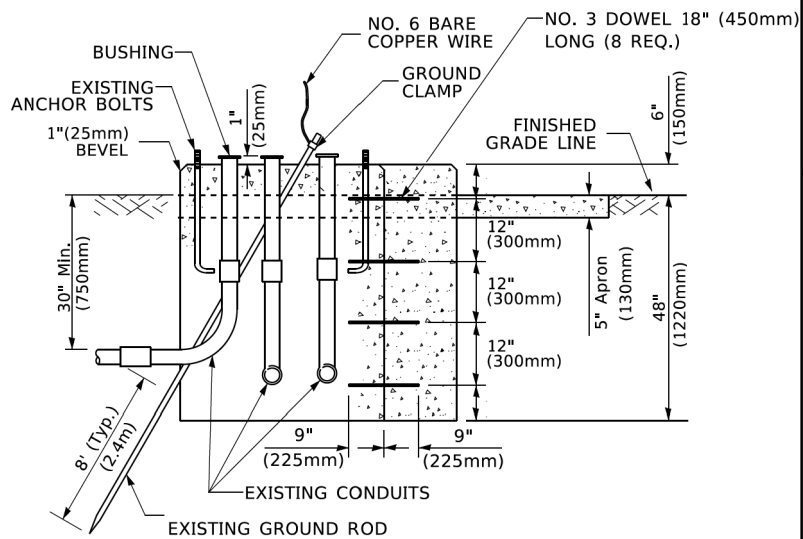
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

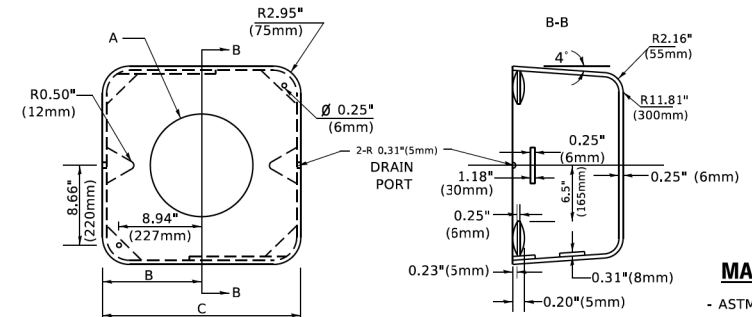
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



TOP VIEW
(NOT TO SCALE)



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



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

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

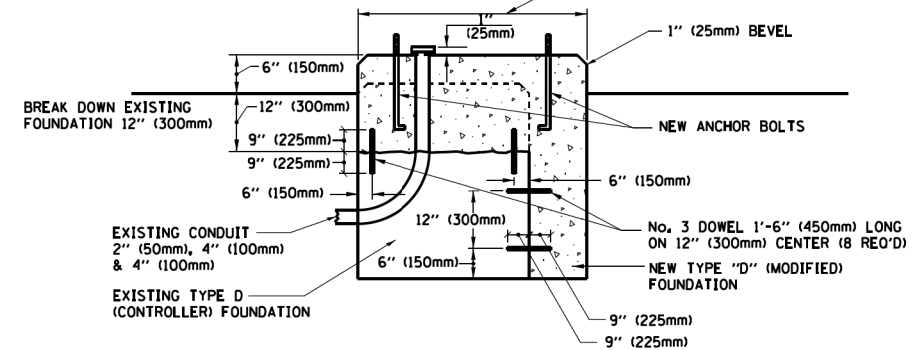
SHROUD

NOTES:

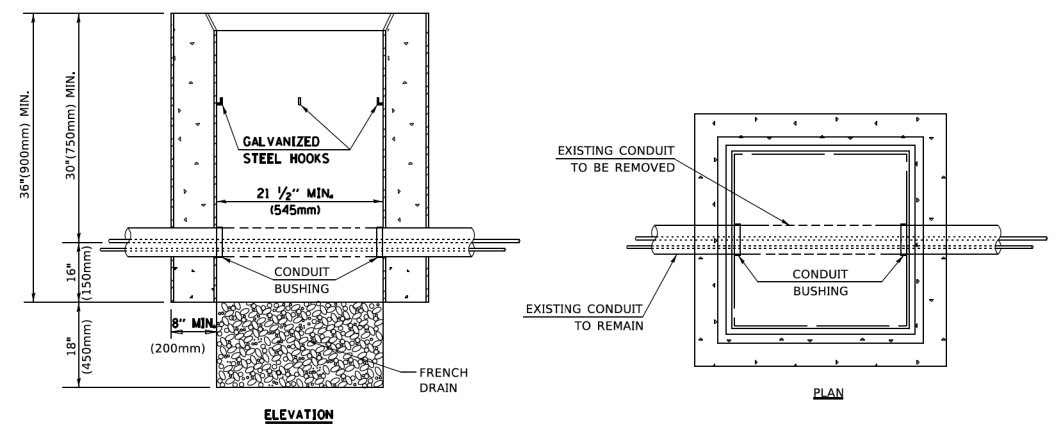
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

TS SHT NO. 7

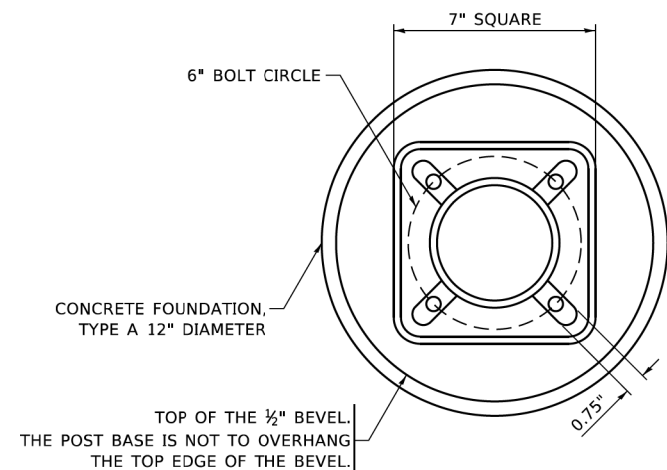
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE. 351	SECTION 18-00084-00-WR	COUNTY WILL	TOTAL SHEETS 211	SHEET NO. 131
TS-05		CONTRACT NO. 61H98		
ILLINOIS FED. AID PROJECT				

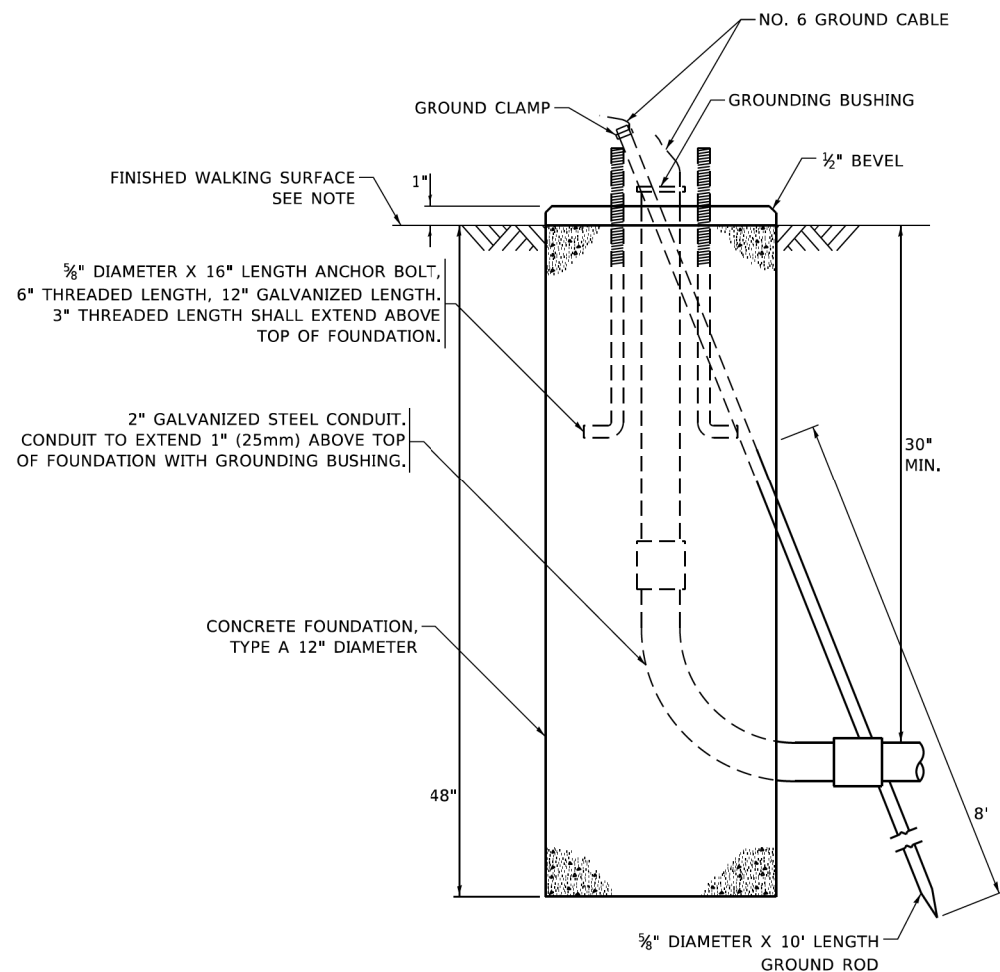
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.



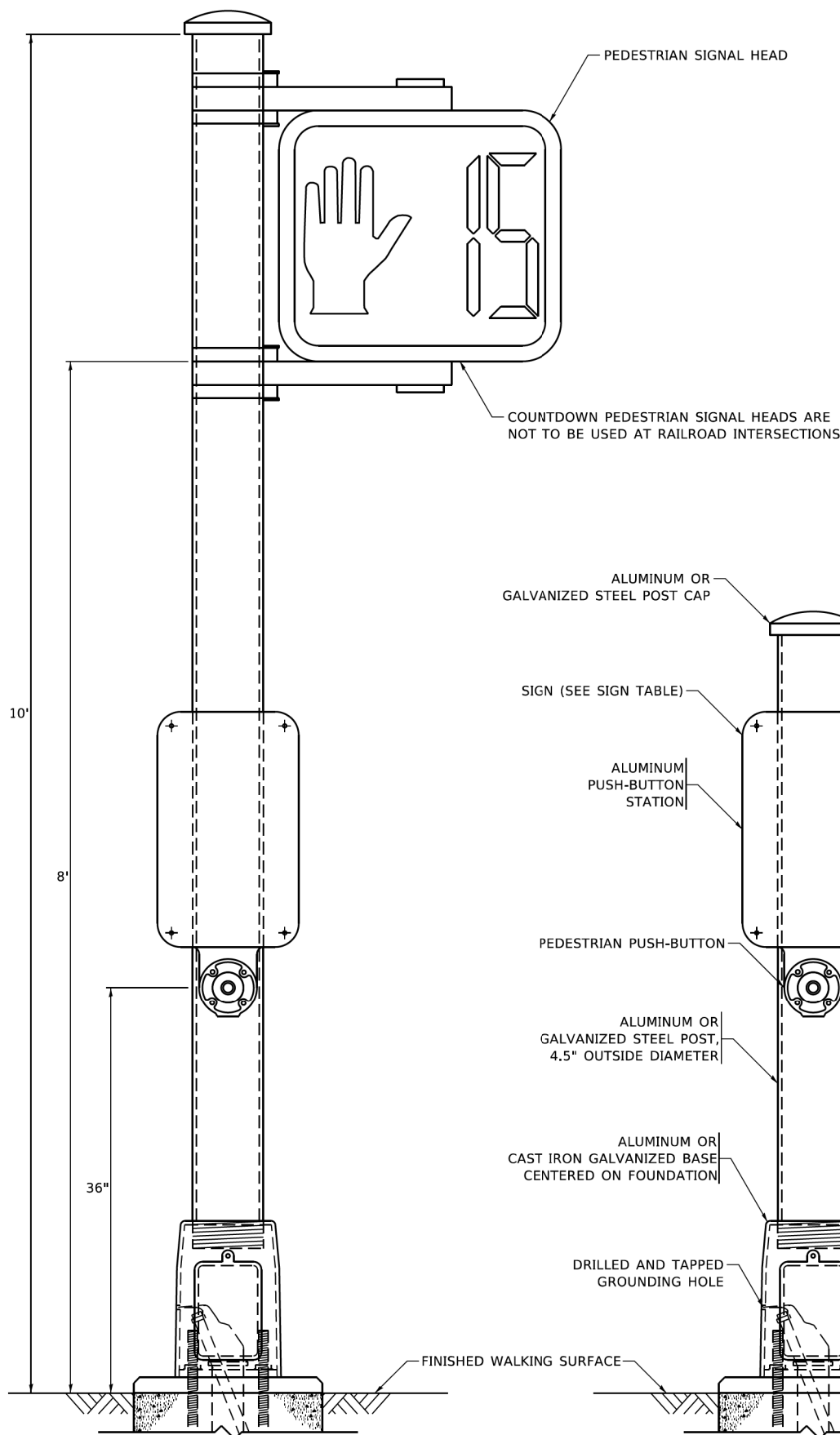
BOLT PATTERN

NOTE:

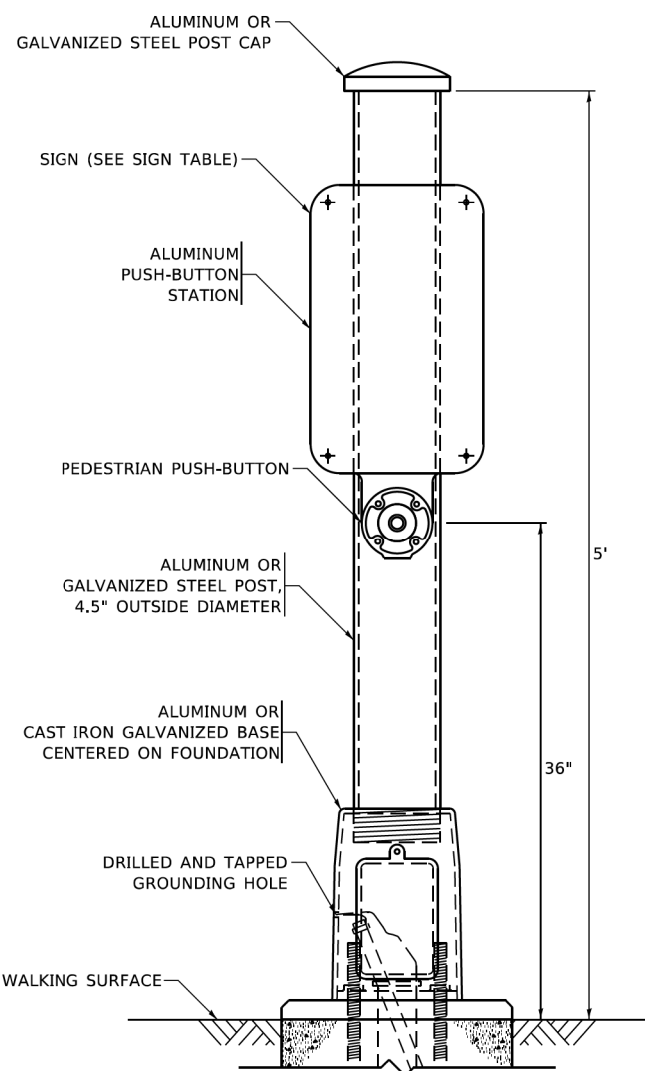
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



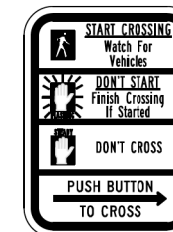
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



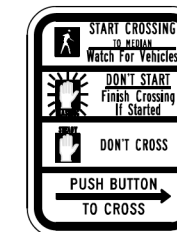
PEDESTRIAN SIGNAL POST, 10 FT.



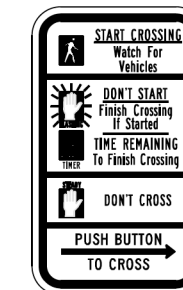
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 8

USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020
	DRAWN - IP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	132
TS-05		CONTRACT NO. 61H98		
ILLINOIS FED. AID PROJECT				

REMOVAL NOTES:

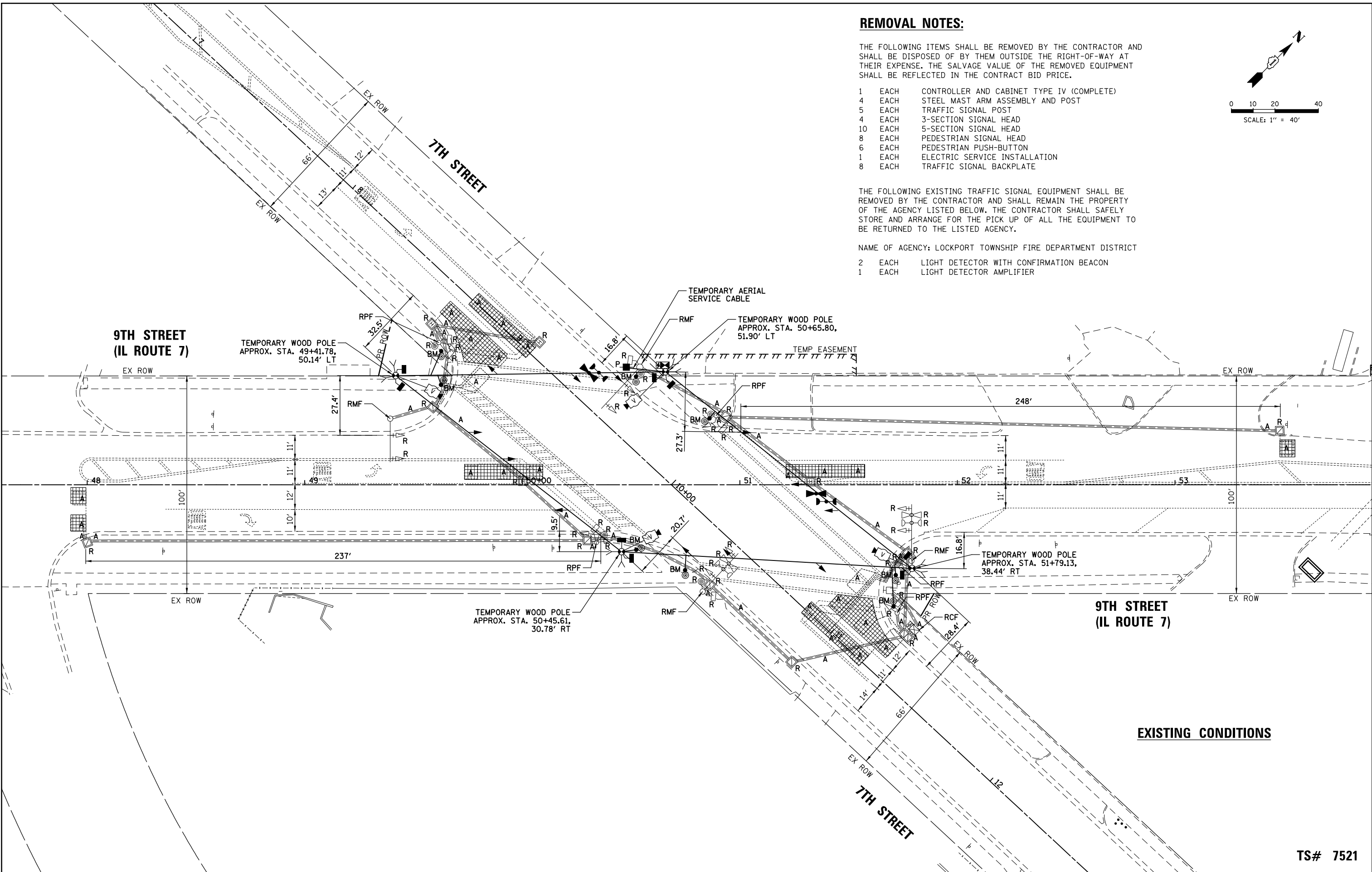
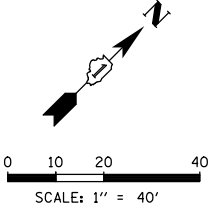
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET TYPE IV (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 5 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE

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.

NAME OF AGENCY: LOCKPORT TOWNSHIP FIRE DEPARTMENT DISTRICT

- 2 EACH LIGHT DETECTOR WITH CONFIRMATION BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

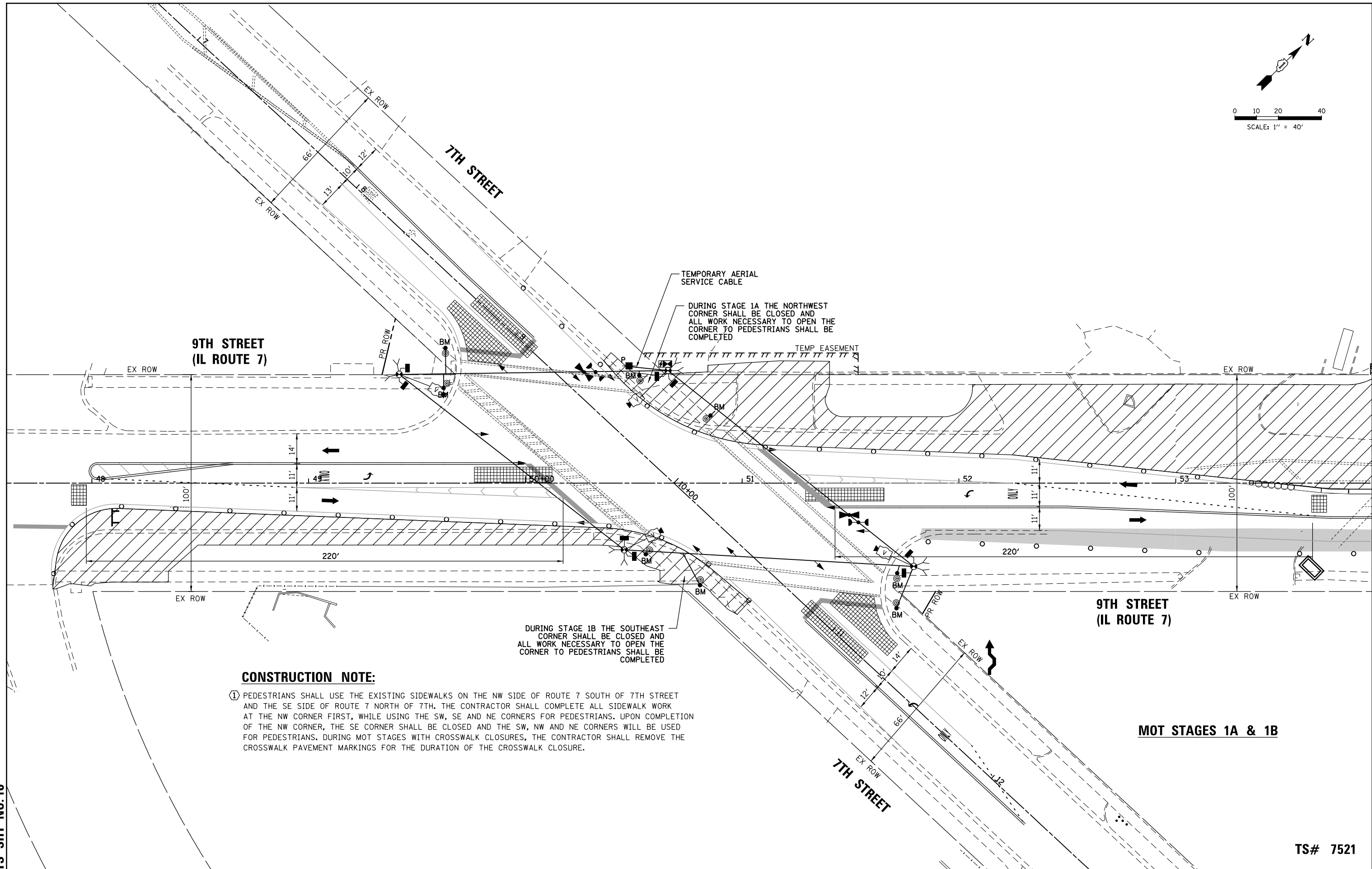
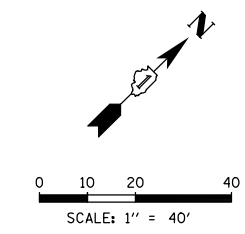


EXISTING CONDITIONS

TS SHT NO. 9

TS# 7521

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = ejensen	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN EXISTING CONDITIONS 9TH STREET (IL ROUTE 7) AND 7TH STREET	F.A.P. RTE. = 351	SECTION = 18-00084-00-WR	COUNTY = WILL	TOTAL SHEETS = 211	SHEET NO. = 133
	PLOT SCALE = 48"	CHECKED - BMW	REVISED -			SCALE: 1" = 40'	SHEET 1 OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 61H98	
	PLOT DATE = 11/16/2023	DATE = 11/16/2023	REVISED -							



CONSTRUCTION NOTE:

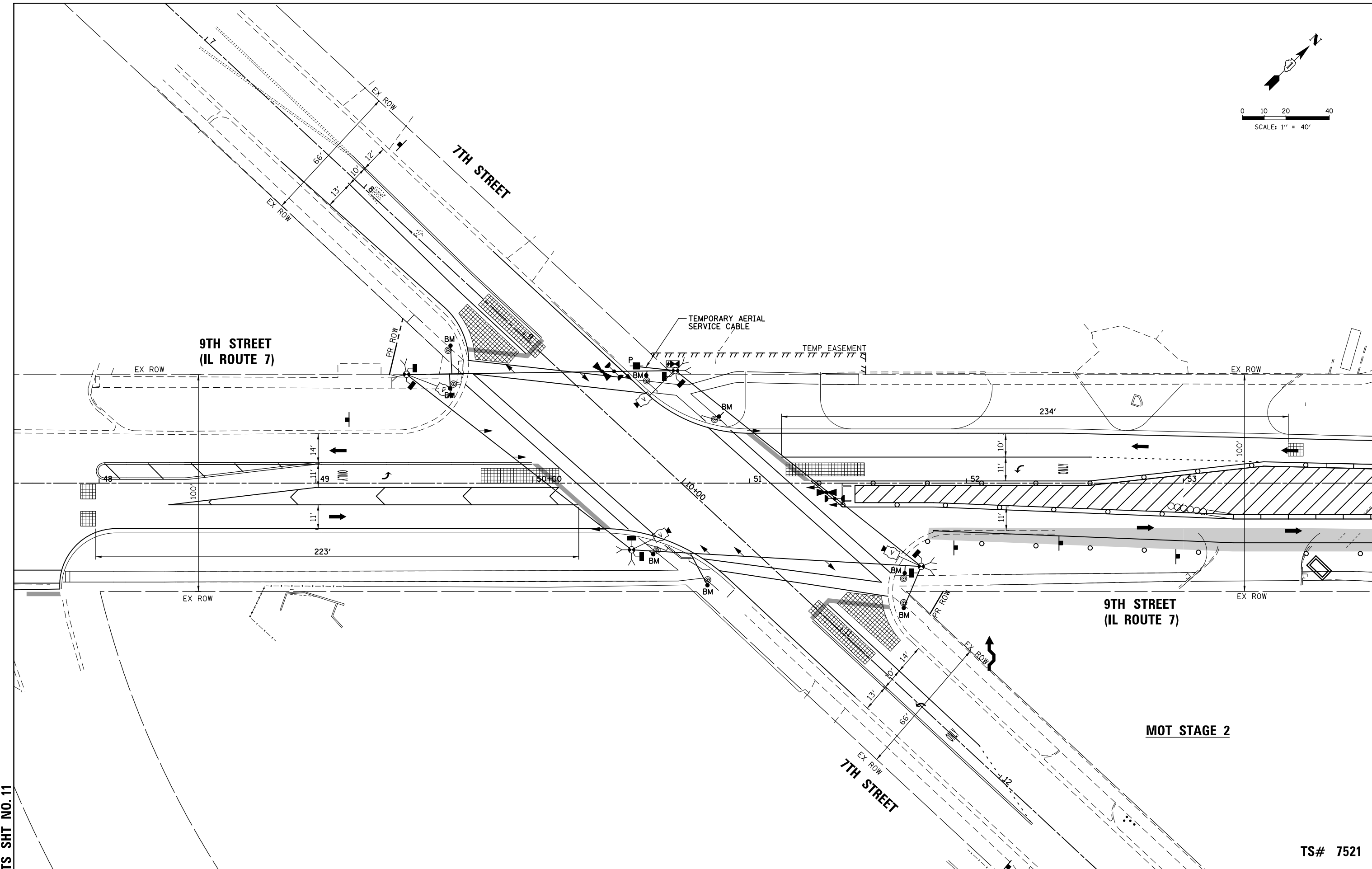
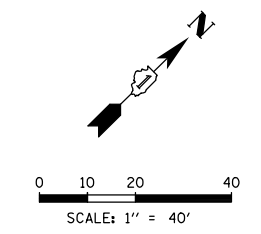
- ① PEDESTRIANS SHALL USE THE EXISTING SIDEWALKS ON THE NW SIDE OF ROUTE 7 SOUTH OF 7TH STREET AND THE SE SIDE OF ROUTE 7 NORTH OF 7TH. THE CONTRACTOR SHALL COMPLETE ALL SIDEWALK WORK AT THE NW CORNER FIRST, WHILE USING THE SW, SE AND NE CORNERS FOR PEDESTRIANS. UPON COMPLETION OF THE NW CORNER, THE SE CORNER SHALL BE CLOSED AND THE SW, NW AND NE CORNERS WILL BE USED FOR PEDESTRIANS. DURING MOT STAGES WITH CROSSWALK CLOSURES, THE CONTRACTOR SHALL REMOVE THE CROSSWALK PAVEMENT MARKINGS FOR THE DURATION OF THE CROSSWALK CLOSURE.

TS SHT NO. 10

TS# 7521

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = ejensen	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN MOT - STAGE 1A AND STAGE 1B 9TH STREET (IL ROUTE 7) AND 7TH STREET	F.A.P. RTE. 351	SECTION 18-00084-00-WR	COUNTY WILL	TOTAL SHEETS 211	SHEET NO. 134
	PLOT SCALE = 48"	CHECKED - BMW	REVISED -			CONTRACT NO. 61H98	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 11/16/2023	DATE - 11/16/2023	REVISED -	SCALE: 1" = 40'		SHEET 2 OF 5 SHEETS STA. TO STA.				

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TS SHT NO. 11

TS# 7521

CHRYSTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = ejensen	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - AJS	REVISED -
PLOT DATE = 11/16/2023	CHECKED - BMW	REVISED -
	DATE - 11/16/2023	REVISED -

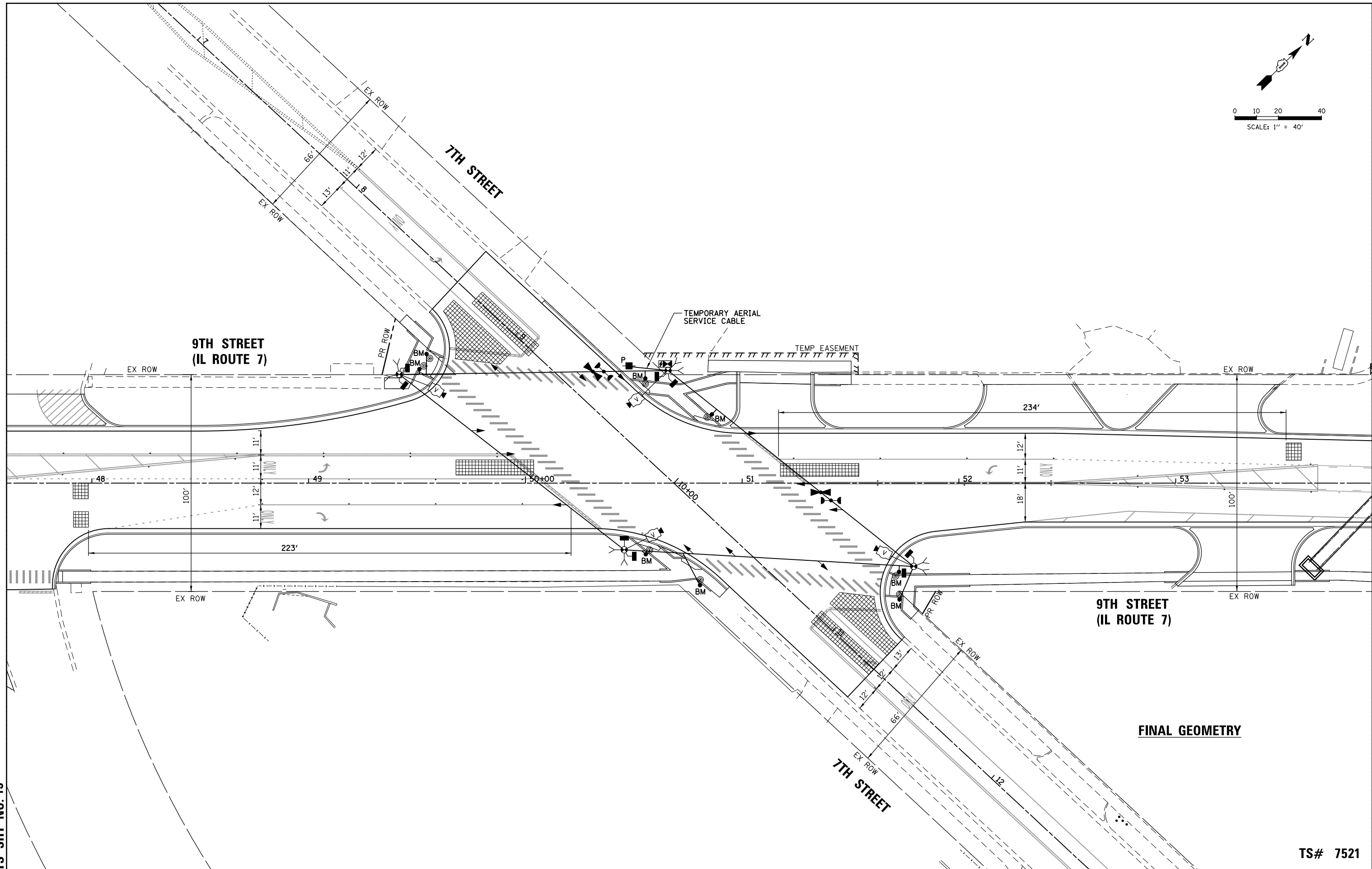
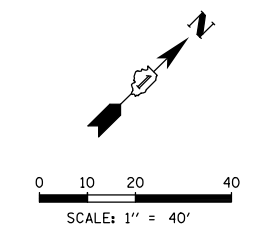
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 MOT - STAGE 2
 9TH STREET (IL ROUTE 7) AND 7TH STREET**

SCALE: 1" = 40" SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	135
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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TS SHT NO. 13

FINAL GEOMETRY

TS# 7521

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = ejensen	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - AJS	REVISED -
PLOT DATE = 11/16/2023	CHECKED - BMW	REVISED -
	DATE - 11/16/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

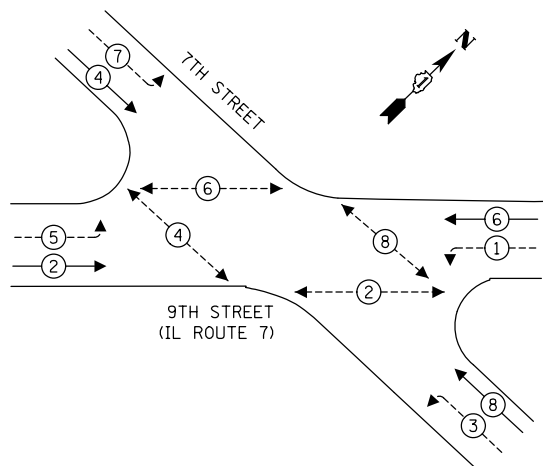
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 FINAL GEOMETRY
 9TH STREET (IL ROUTE 7) AND 7TH STREET**

SCALE: 1" = 40' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	137
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

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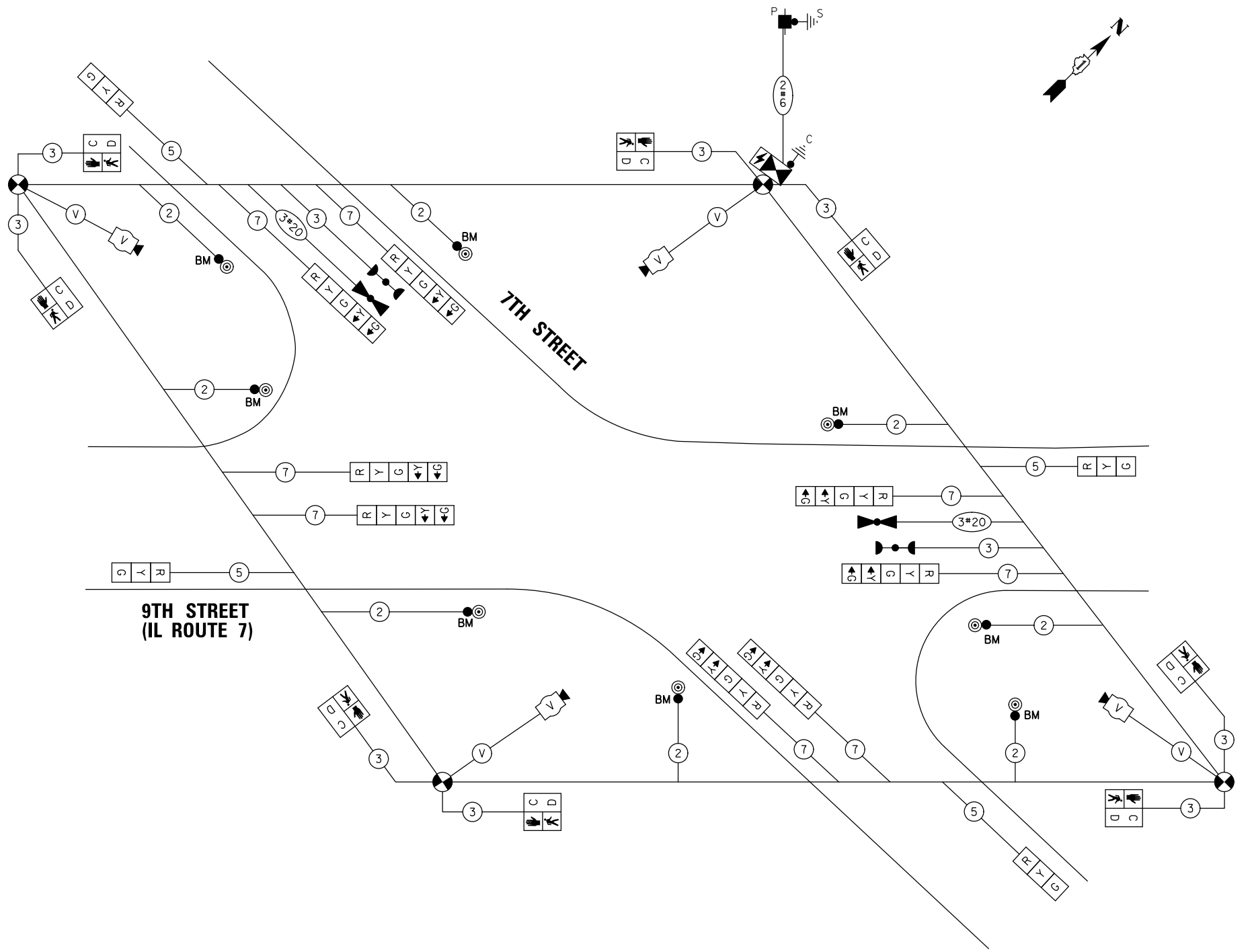
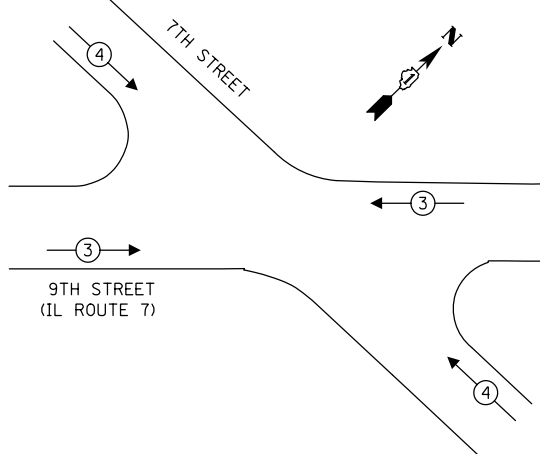
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - - → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



**EXISTING CONDITIONS,
MOT STAGE 2 AND FINAL GEOMETRY
TEMPORARY CABLE PLAN**
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	4	20
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			523
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			1128

ENERGY COSTS TO:
CITY OF LOCKPORT
 222 E 9TH STREET
 LOCKPORT, IL 60441
 ENERGY SUPPLY: CONTACT: NEW CONTACT
 PHONE: NEW NUMBER
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 27391-20053

TS SHT NO. 14

DESIGNED -	AJS	REVISED -	
DRAWN -	AJS	REVISED -	
CHECKED -	BMW	REVISED -	
DATE -	11/16/2023	REVISED -	

USER NAME =	e.jensen
PLOT SCALE =	48"
PLOT DATE =	11/16/2023

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

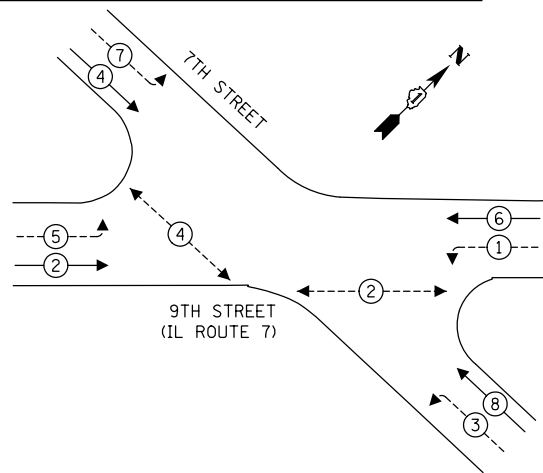
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
9TH STREET (IL ROUTE 7) AND 7TH STREET**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	138
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

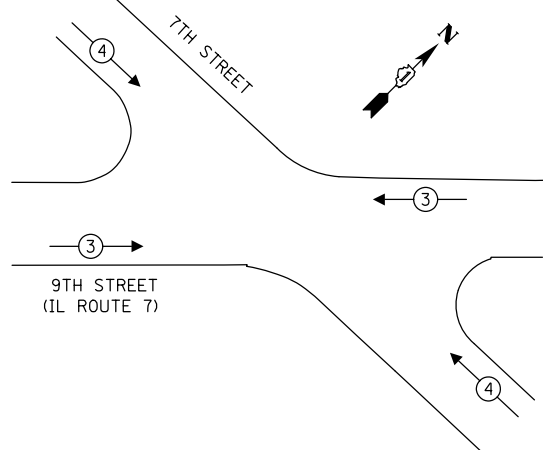
TS# 7521

TEMPORARY CONTROLLER SEQUENCE



- LEGEND:**
- ←*→ PROTECTED PHASE
 - ←*-- PROTECTED/PERMITTED PHASE
 - ←*→ PEDESTRIAN PHASE
 - ◊ OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



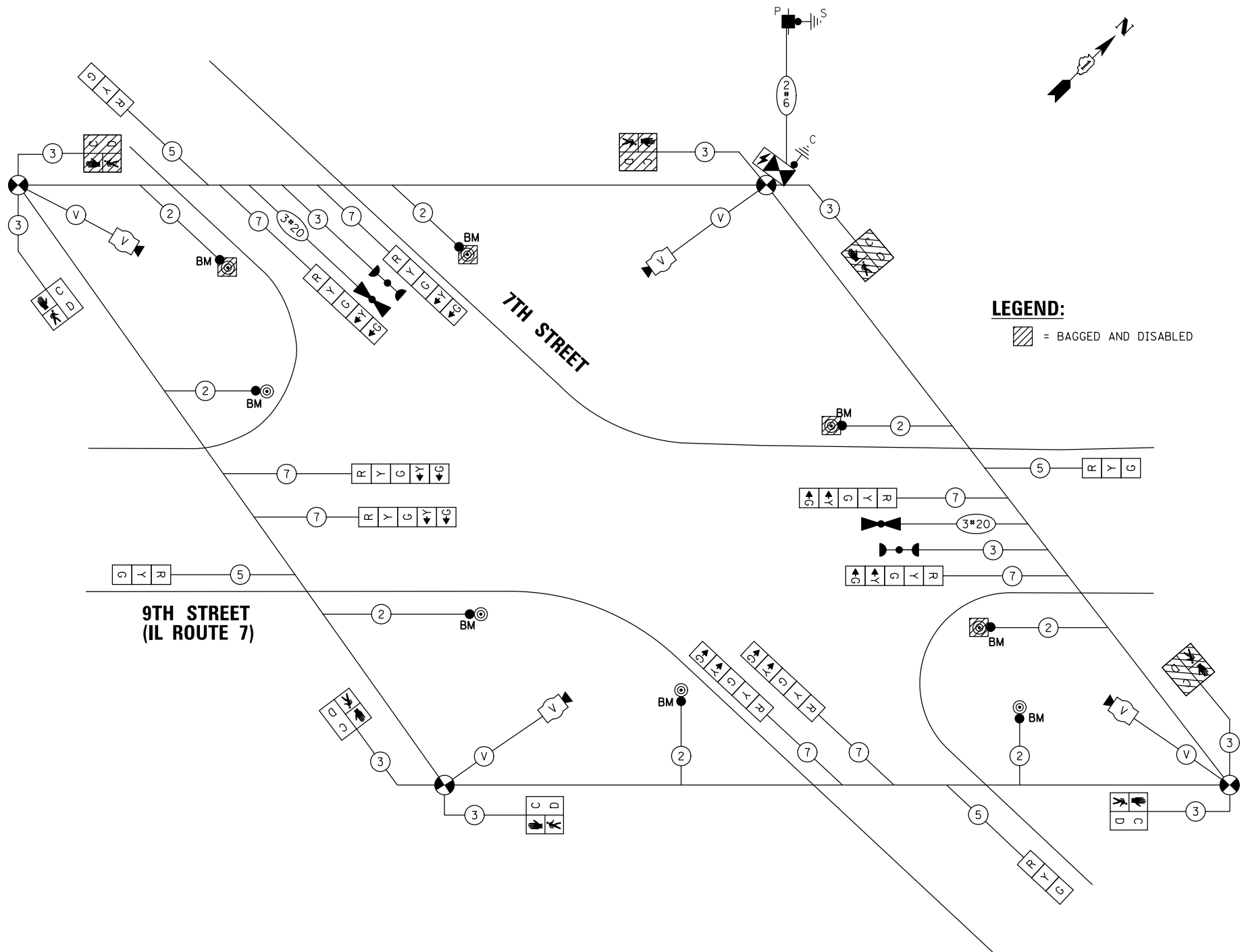
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	4	20	80
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			463
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			1068

ENERGY COSTS TO:
 CITY OF LOCKPORT
 222 E 9TH STREET
 LOCKPORT, IL 60441
 ENERGY SUPPLY: CONTACT: NEW CONTACT
 PHONE: NEW NUMBER
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 27391-20053

CONSTRUCTION NOTE:

- 1 PEDESTRIANS SHALL USE THE EXISTING SIDEWALKS ON THE NW SIDE OF ROUTE 7 SOUTH OF 7TH STREET AND THE SE SIDE OF ROUTE 7 NORTH OF 7TH. THE CONTRACTOR SHALL COMPLETE ALL SIDEWALK WORK AT THE NW CORNER FIRST, WHILE USING THE SW, SE AND NE CORNERS FOR PEDESTRIANS. UPON COMPLETION OF THE NW CORNER, THE SE CORNER SHALL BE CLOSED AND THE SW, NW AND NE CORNERS WILL BE USED FOR PEDESTRIANS. DURING MOT STAGES WITH CROSSWALK CLOSURES, THE CONTRACTOR SHALL REMOVE THE CROSSWALK PAVEMENT MARKINGS FOR THE DURATION OF THE CROSSWALK CLOSURE.



**MOT STAGE 1A
 TEMPORARY CABLE PLAN
 (NOT TO SCALE)**

TS SHT NO. 15

TS# 7521

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2880

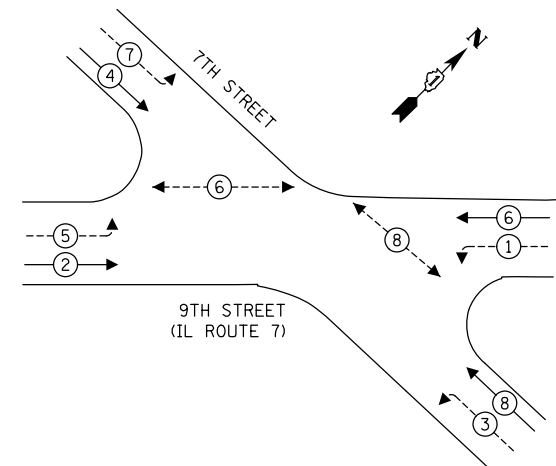
DESIGNED -	AJS	REVISED -	
DRAWN -	AJS	REVISED -	
CHECKED -	BMW	REVISED -	
DATE -	11/16/2023	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

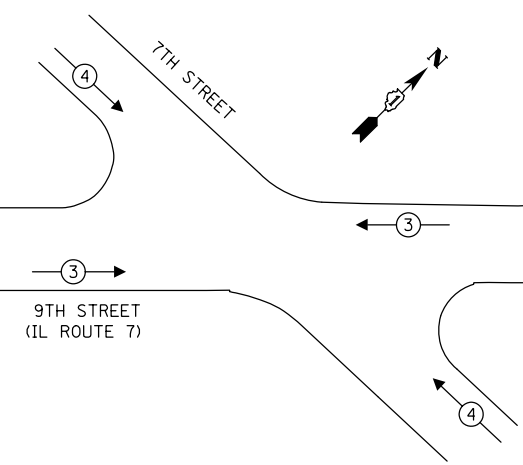
TEMPORARY CABLE PLAN MOT STAGE 1A 9TH STREET (IL ROUTE 7) AND 7TH STREET			
SCALE: N.T.S.	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	139
CONTRACT NO. 61H98				

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←(*)- - - PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	-
	VIDEO	4	80
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			463
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			1068

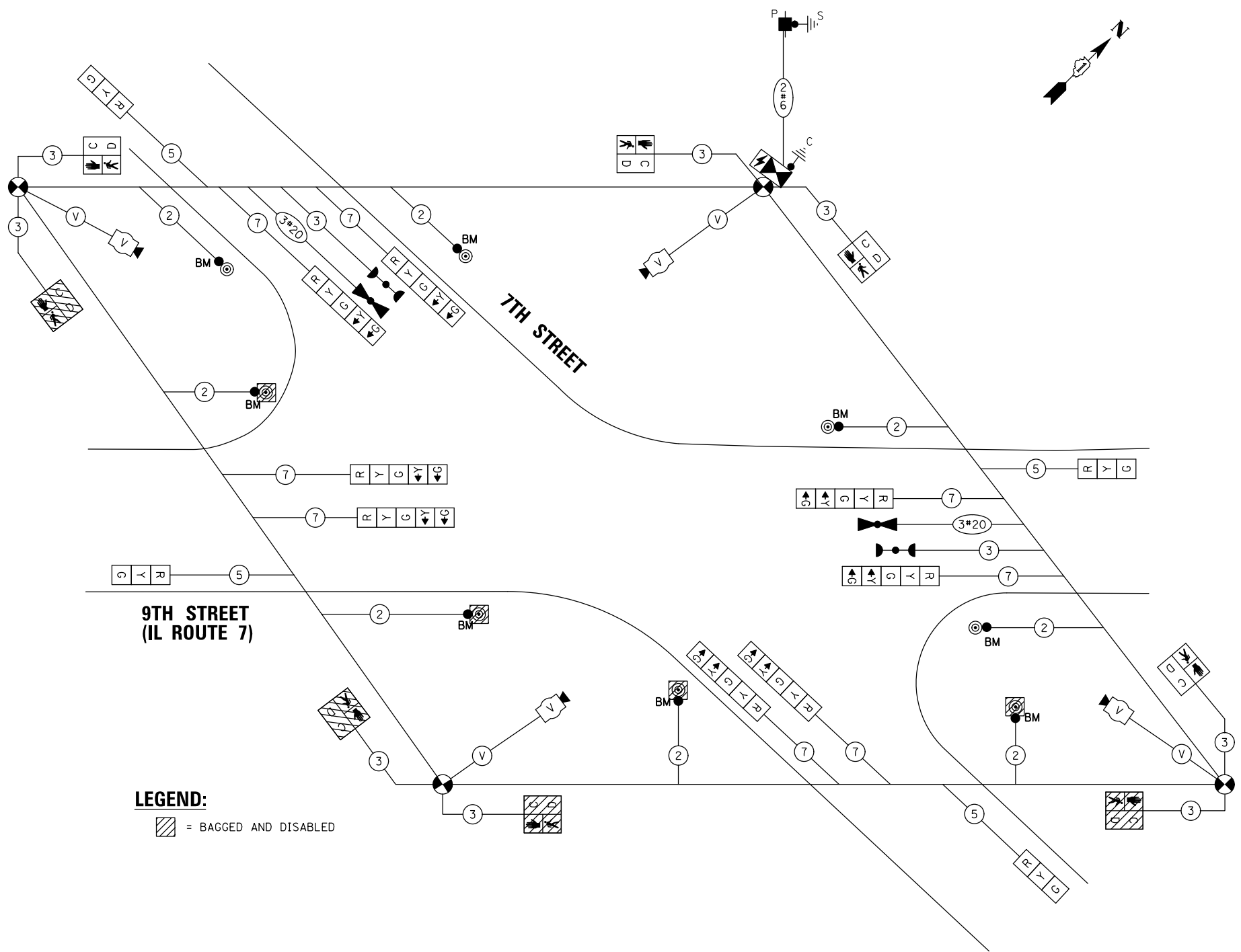
ENERGY COSTS TO:

CITY OF LOCKPORT
222 E 9TH STREET
LOCKPORT, IL 60441

ENERGY SUPPLY: CONTACT: NEW CONTACT
PHONE: NEW NUMBER
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 27391-20053

CONSTRUCTION NOTE:

- ① PEDESTRIANS SHALL USE THE EXISTING SIDEWALKS ON THE NW SIDE OF ROUTE 7 SOUTH OF 7TH STREET AND THE SE SIDE OF ROUTE 7 NORTH OF 7TH. THE CONTRACTOR SHALL COMPLETE ALL SIDEWALK WORK AT THE NW CORNER FIRST, WHILE USING THE SW, SE AND NE CORNERS FOR PEDESTRIANS. UPON COMPLETION OF THE NW CORNER, THE SE CORNER SHALL BE CLOSED AND THE SW, NW AND NE CORNERS WILL BE USED FOR PEDESTRIANS. DURING MOT STAGES WITH CROSSWALK CLOSURES, THE CONTRACTOR SHALL REMOVE THE CROSSWALK PAVEMENT MARKINGS FOR THE DURATION OF THE CROSSWALK CLOSURE.



**MOT STAGE 1B
TEMPORARY CABLE PLAN
(NOT TO SCALE)**

TS SHT NO. 16

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2880

USER NAME = ejensen
PLOT SCALE = 48"
PLOT DATE = 11/16/2023

DESIGNED - AJS
DRAWN - AJS
CHECKED - BMW
DATE - 11/16/2023

REVISED -
REVISED -
REVISED -
REVISED -

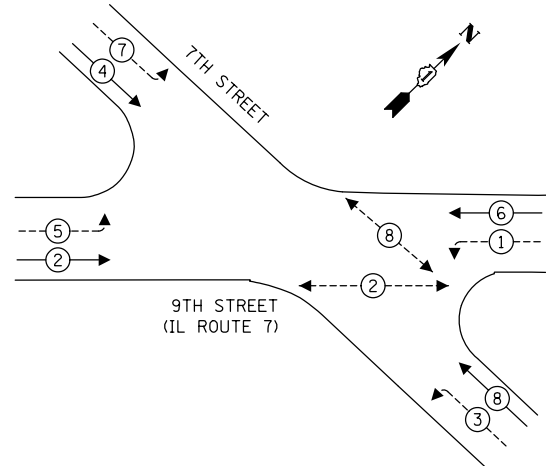
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN
MOT STAGE 1B
9TH STREET (IL ROUTE 7) AND 7TH STREET**
SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

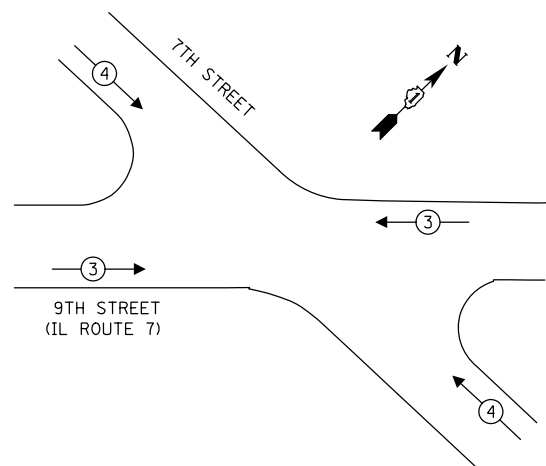
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	140
				CONTRACT NO. 61H98

TS# 7521

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← (⊙) — PROTECTED PHASE
- ← (⊙) — PROTECTED/PERMITTED PHASE
- ← (⊙) — PEDESTRIAN PHASE
- ← (⊙) OL — OVERLAP

LEGEND:

- ▨ = BAGGED AND DISABLED

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	4	20
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			463
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			1068

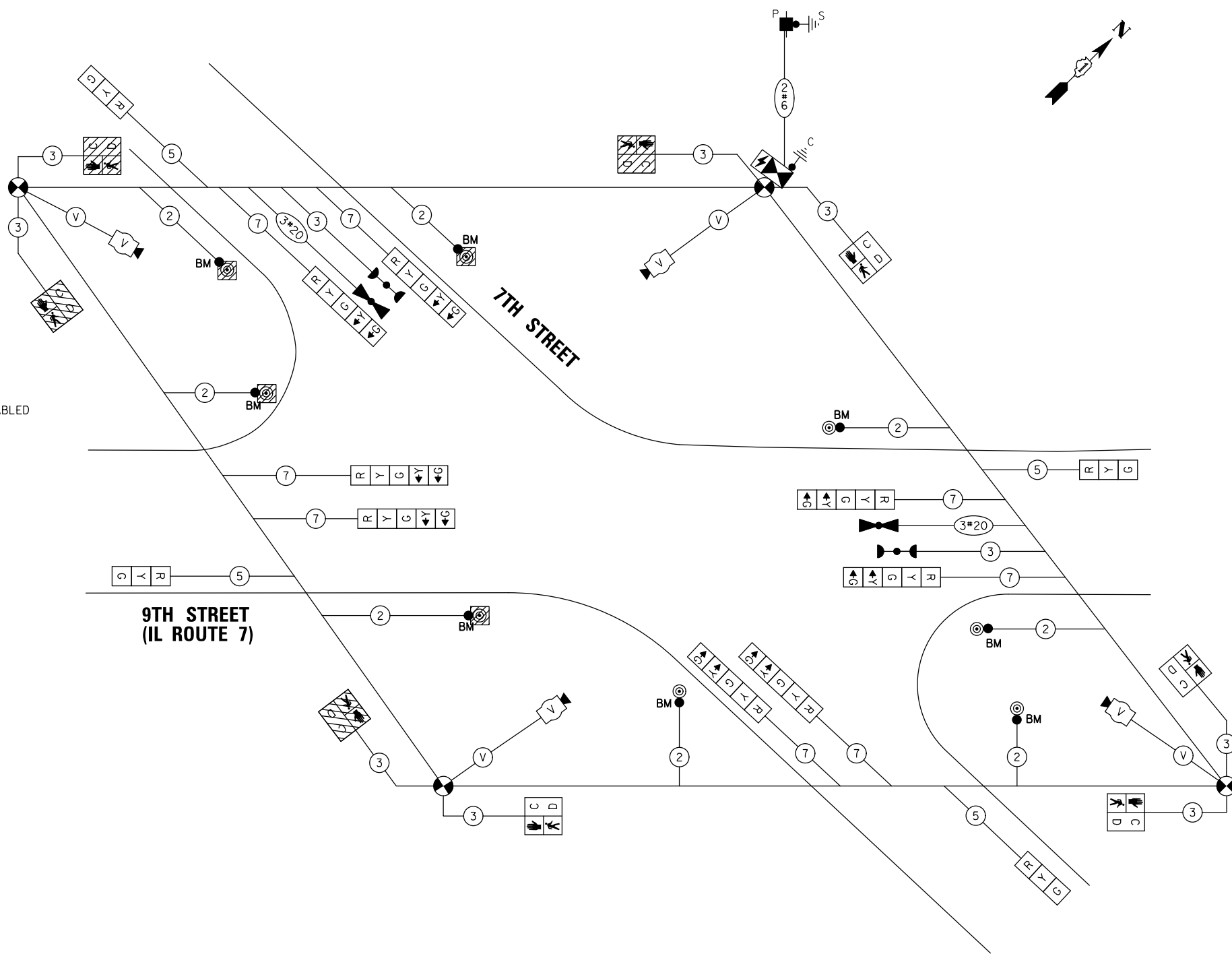
ENERGY COSTS TO:

CITY OF LOCKPORT
222 E 9TH STREET
LOCKPORT, IL 60441

ENERGY SUPPLY: CONTACT: NEW CONTACT
PHONE: NEW NUMBER
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 27391-20053

CONSTRUCTION NOTE:

- ① PEDESTRIANS SHALL USE THE NEW COMPLETED SIDEWALKS ON THE SE SIDE OF ROUTE 7 SOUTH OF 7TH STREET, AND THE NW SIDE OF ROUTE 7 NORTH OF 7TH. THE CONTRACTOR SHALL COMPLETE ALL SIDEWALK WORK AT THE SW CORNER FIRST, WHILE USING THE SE, NE AND NW CORNERS FOR PEDESTRIAN CROSSINGS. UPON COMPLETION OF THE SW CORNER, THE NE CORNER SHALL BE CLOSED, AND THE SE, SW AND NW CORNERS SHALL BE USED FOR PEDESTRIANS. DURING MOT STAGES WITH CROSSWALK CLOSURES, THE CONTRACTOR SHALL REMOVE THE CROSSWALK PAVEMENT MARKINGS FOR THE DURATION OF THE CROSSWALK CLOSURE.



**MOT STAGE 3A
TEMPORARY CABLE PLAN**
(NOT TO SCALE)

TS SHT NO. 17

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME	= ejensen
PLOT SCALE	= 48"
PLOT DATE	= 11/16/2023

DESIGNED	-	AJS	REVISED	-
DRAWN	-	AJS	REVISED	-
CHECKED	-	BMW	REVISED	-
DATE	-	11/16/2023	REVISED	-

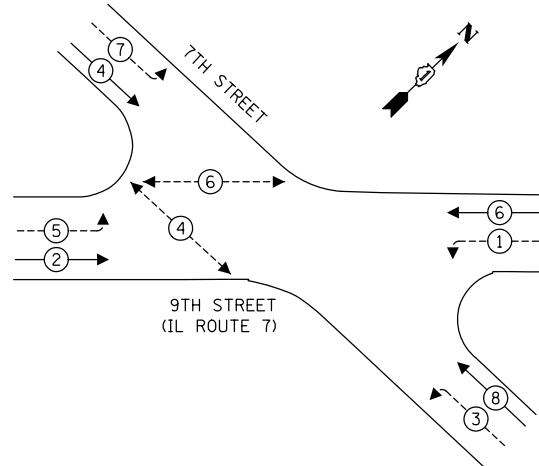
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN			
MOT STAGE 3A			
9TH STREET (IL ROUTE 7) AND 7TH STREET			
SCALE:	N.T.S.	SHEET 4	OF 5 SHEETS
STA.		TO STA.	

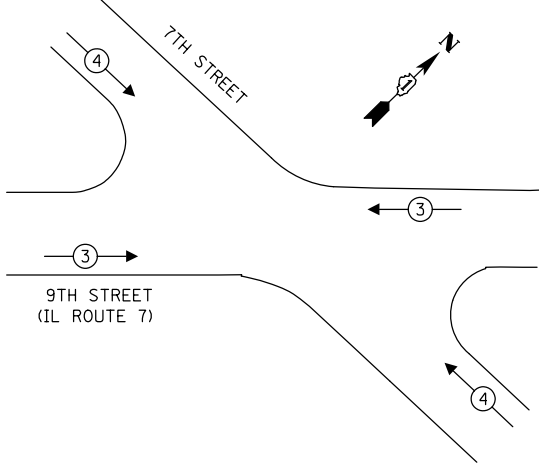
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	141
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

TS# 7521

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	4	20
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			463
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			1068

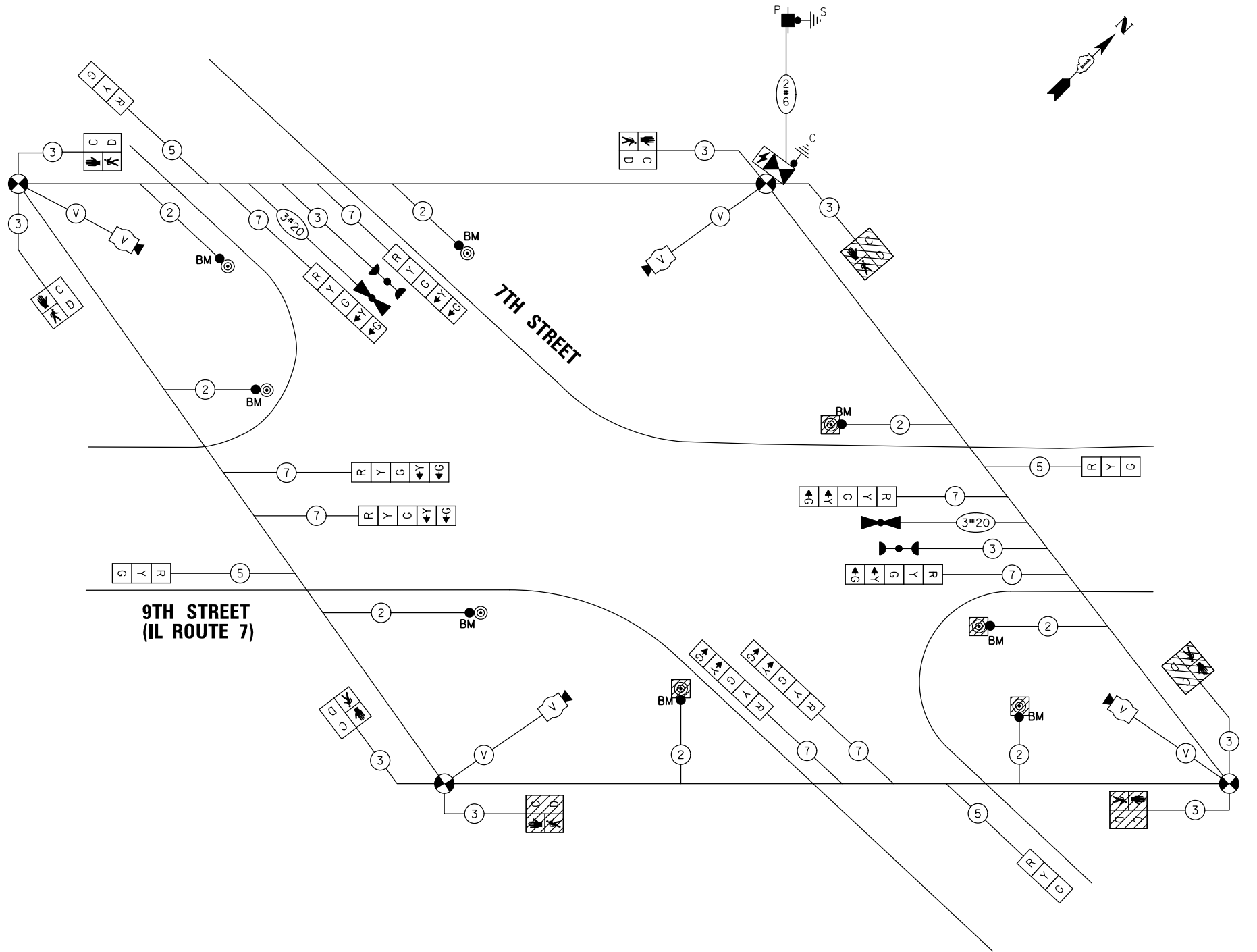
ENERGY COSTS TO:

CITY OF LOCKPORT
222 E 9TH STREET
LOCKPORT, IL 60441

ENERGY SUPPLY: CONTACT: NEW CONTACT
PHONE: NEW NUMBER
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 27391-20053

CONSTRUCTION NOTE:

- ① PEDESTRIANS SHALL USE THE NEW COMPLETED SIDEWALKS ON THE SE SIDE OF ROUTE 7 SOUTH OF 7TH STREET, AND THE NW SIDE OF ROUTE 7 NORTH OF 7TH. THE CONTRACTOR SHALL COMPLETE ALL SIDEWALK WORK AT THE SW CORNER FIRST, WHILE USING THE SE, NE AND NW CORNERS FOR PEDESTRIAN CROSSINGS. UPON COMPLETION OF THE SW CORNER, THE NE CORNER SHALL BE CLOSED, AND THE SE, SW AND NW CORNERS SHALL BE USED FOR PEDESTRIANS. DURING MOT STAGES WITH CROSSWALK CLOSURES, THE CONTRACTOR SHALL REMOVE THE CROSSWALK PAVEMENT MARKINGS FOR THE DURATION OF THE CROSSWALK CLOSURE.



LEGEND:

- ▨ = BAGGED AND DISABLED

**MOT STAGE 3B
TEMPORARY CABLE PLAN
(NOT TO SCALE)**

TS SHT NO. 18

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME =	ejensen
PLOT SCALE =	48"
PLOT DATE =	11/16/2023

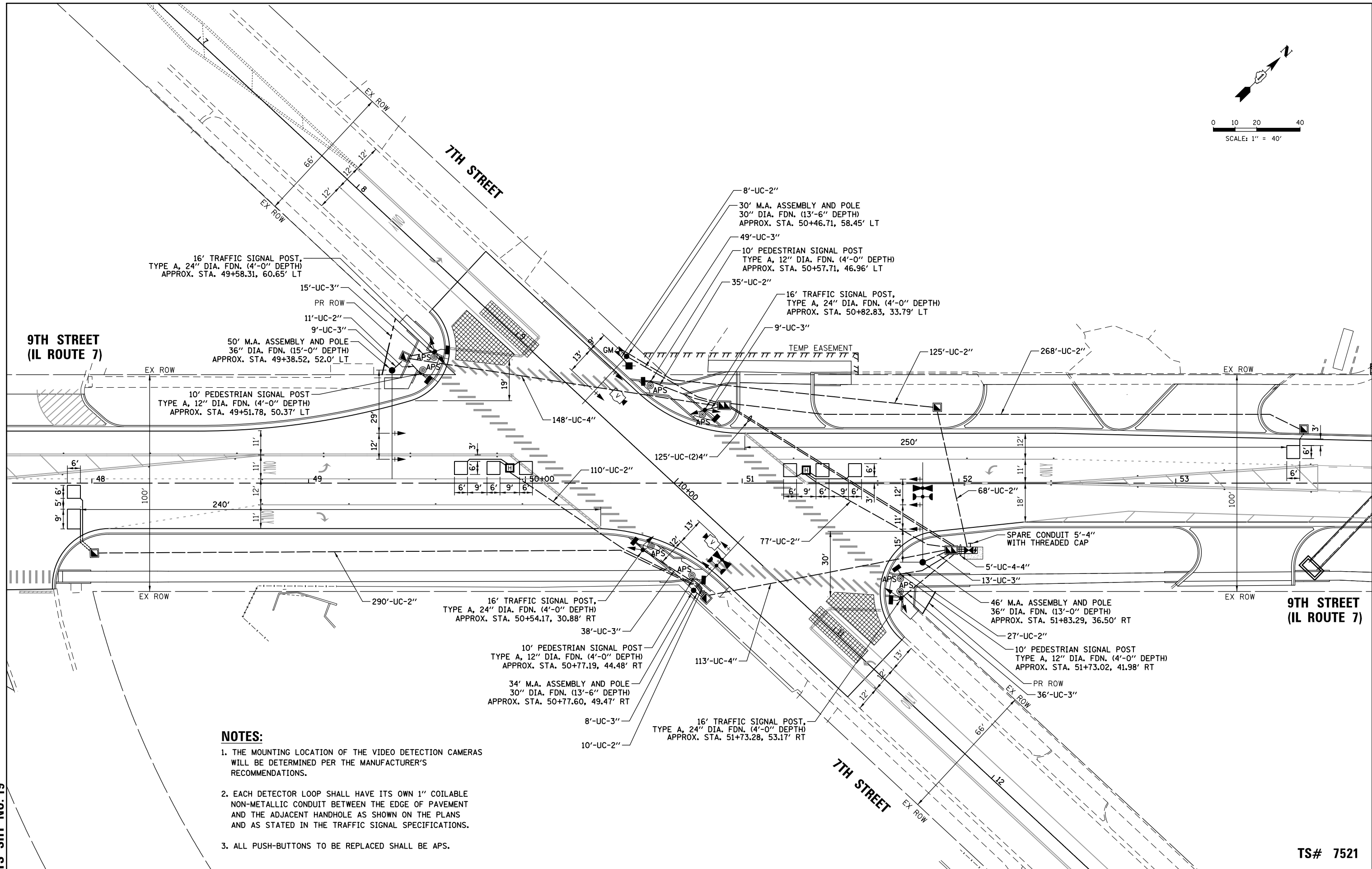
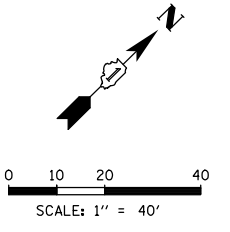
DESIGNED -	AJS	REVISED -	
DRAWN -	AJS	REVISED -	
CHECKED -	BMW	REVISED -	
DATE -	11/16/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN MOT STAGE 3B 9TH STREET (IL ROUTE 7) AND 7TH STREET			
SCALE:	N.T.S.	SHEET 5	OF 5 SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	142
CONTRACT NO. 61H98				

TS# 7521



- NOTES:**
1. THE MOUNTING LOCATION OF THE VIDEO DETECTION CAMERAS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
 2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 3. ALL PUSH-BUTTONS TO BE REPLACED SHALL BE APS.

TS SHT NO. 19

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = ejensen	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"	DRAWN - AJS	REVISED -
PLOT DATE = 11/16/2023	CHECKED - BMW	REVISED -
	DATE - 11/16/2023	REVISED -

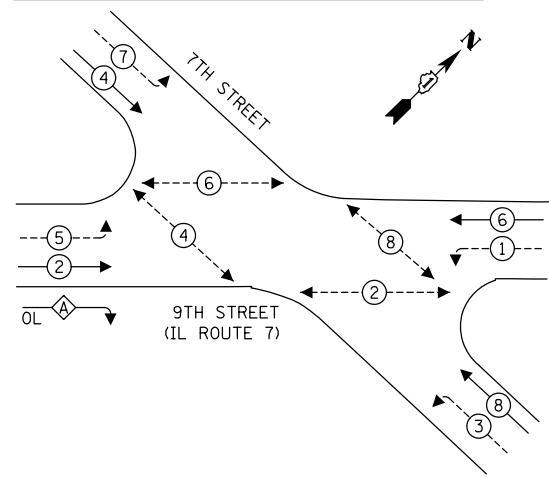
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION PLAN	
9TH STREET (IL ROUTE 7) AND 7TH STREET	
SCALE: 1" = 40'	SHEET 1 OF 1 SHEETS STA. TO STA.

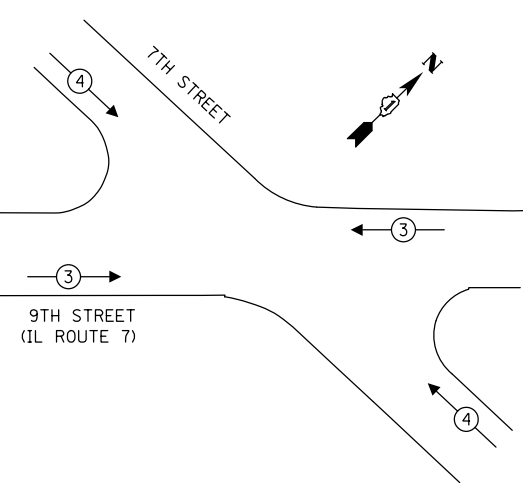
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	143
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

TS# 7521

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ ⊙ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE

A = 2 + 3

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	7	11	44
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	40
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			509
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			1114

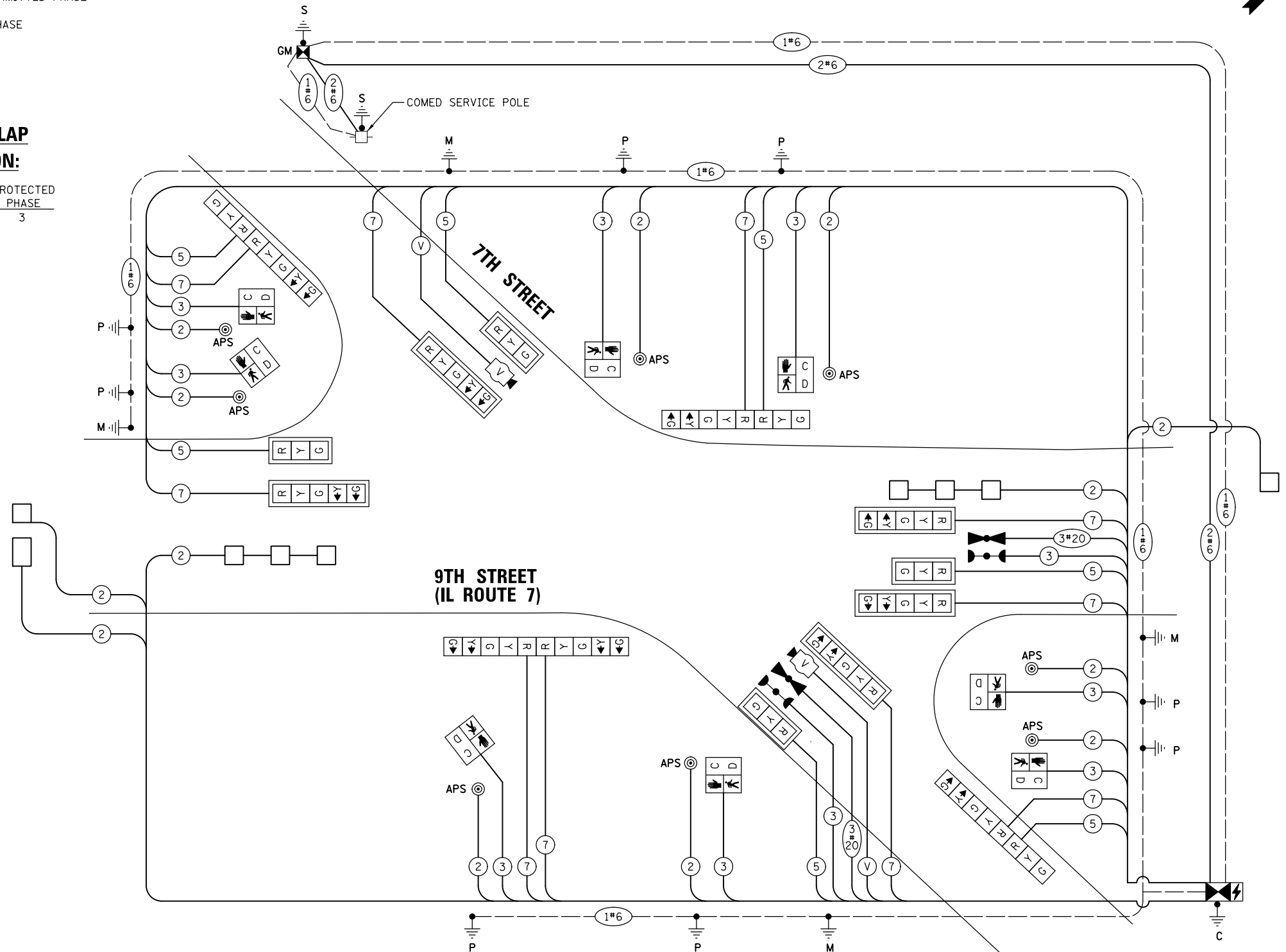
ENERGY COSTS TO:

CITY OF LOCKPORT
222 E 9TH STREET
LOCKPORT, IL 60441

ENERGY SUPPLY: CONTACT: NEW CONTACT
PHONE: NEW NUMBER
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: _____

NOTE:

ALL RED INDICATORS SHALL HAVE LENS COVERS.



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 20

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2880

USER NAME = ejensen
PLOT SCALE = 48"
PLOT DATE = 11/16/2023

DESIGNED - AJS
DRAWN - AJS
CHECKED - BMW
DATE - 11/16/2023

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
9TH STREET (IL ROUTE 7) AND 7TH STREET**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

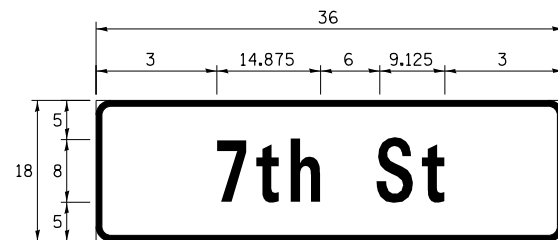
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	144
				CONTRACT NO. 61H98

TS# 7521

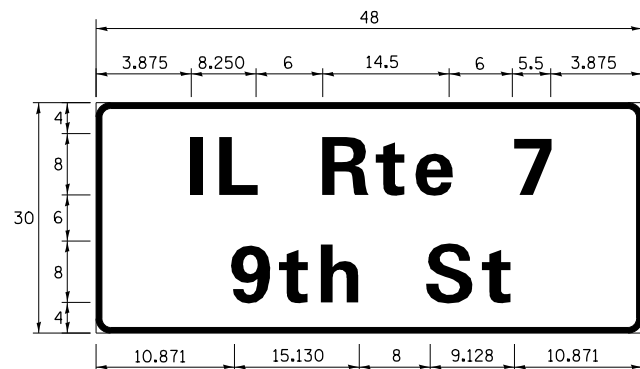
ILLINOIS FED. AID PROJECT

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	5.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	11
SIGN PANEL - TYPE 2	SQ FT	23
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,029
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	177
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	536
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,551
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,896
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,509
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,031
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,238
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	253
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,348
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	298
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	289
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
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	17
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
** EXPLORATORY EXCAVATION	FOOT	20

*100% COST TO THE CITY OF LOCKPORT

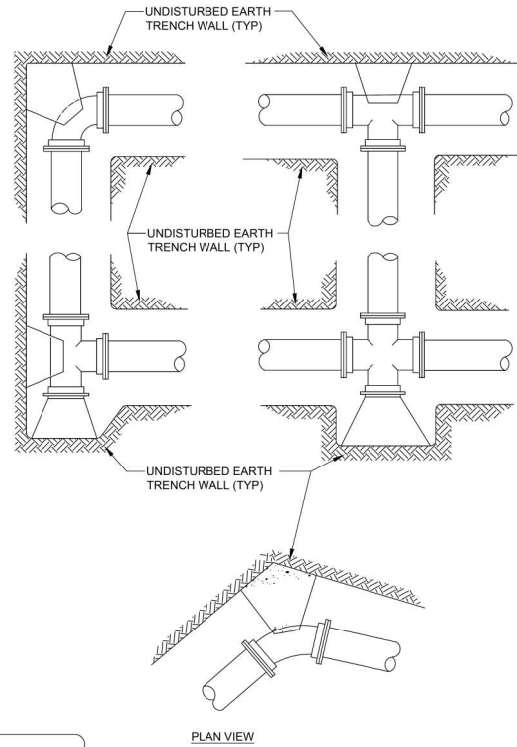
** NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

TS SHT NO. 21

TS# 7521

CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850	USER NAME = ejensen	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGNS 9TH STREET (IL ROUTE 7) AND 7TH STREET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48"	CHECKED - BMW	REVISED -			351	18-00084-00-WR	WILL	211	145
PLOT DATE = 11/16/2023	DATE - 11/16/2023	REVISED -		SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 61H98			
ILLINOIS FED. AID PROJECT										

CITY OF LOCKPORT



NOTES:

1. PROVIDE PRECAST CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPE LINE UNDER PRESSURE.
2. PLACE THE BASE AND THRUST BEARING SIDES OF THE THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR
4. ALL FITTING SHALL HAVE MECHANICAL JOINTS WITH MEGA-LUG RETAINER GLANDS BY EBAA IRON, OR FORD WEDGE ACTION RETAINER AND DURATRON SAC-NUTS ON 50% OF MJ JOINTS

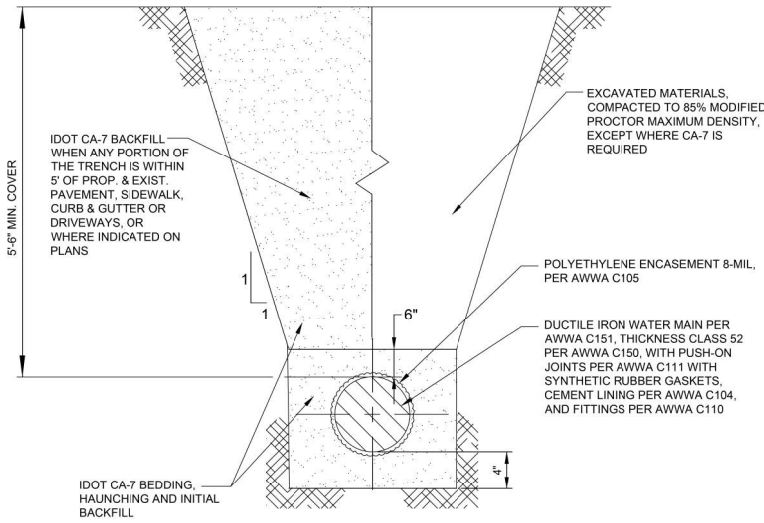


REVISIONS			JANUARY 1, 2018
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

DETAIL NO. 60-5
THRUST BLOCK INSTALLATION

ALL MATERIALS MUST BE "MADE IN USA"

CITY OF LOCKPORT



NOTES:

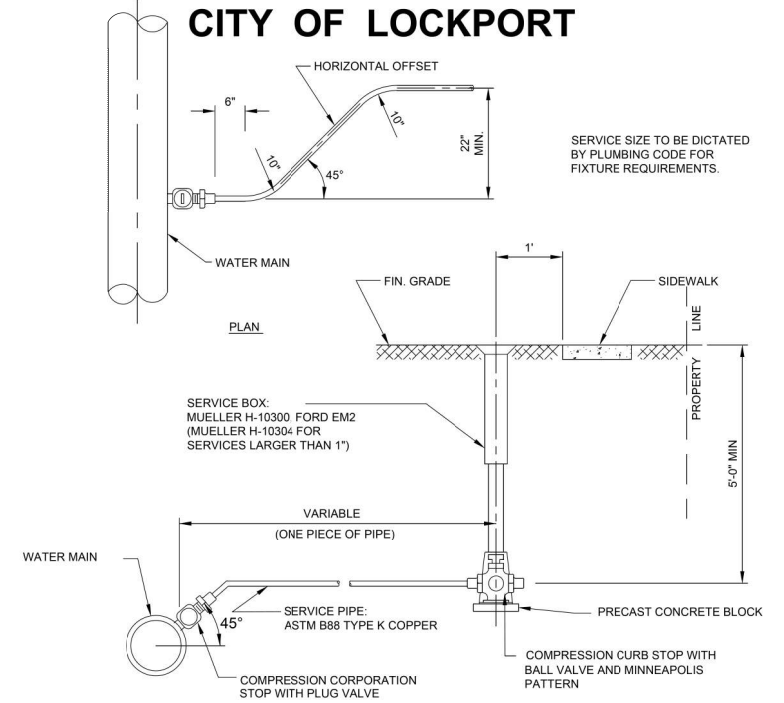
1. WATER FOR ALL FILLING, TESTING AND CHLORINATING SHALL BE DRAWN FROM THE CITY'S SYSTEM AT THE PROPOSED POINT OF CONNECTION, USING THE CITY'S METERING EQUIPMENT. THIS EQUIPMENT SHALL BE AVAILABLE FROM THE CITY AFTER A 48-HOUR PRIOR NOTICE. EQUIPMENT SHALL BE RETURNED TO THE CITY IMMEDIATELY UPON COMPLETION OF THE TEST, WHETHER SUCCESSFUL OR NOT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2-INCH FLARED CORPORATION ON NEW MAIN TO CONNECT WITH CITY'S EQUIPMENT. FLUSHING SCHEDULE SHALL BE SUBJECT TO CITY WATER DEPARTMENT'S REVIEW AND APPROVAL.
2. MAINS SHALL BE PRESSURE TESTED AT A MAXIMUM PRESSURE OF 150 PSI FOR 2 HOUR AND SHALL NOT EXCEED THE ALLOWABLE LEAKAGE WITH AWWA C600. IF MAINS TO BE TESTED INCLUDE CAST IN PLACE CONCRETE THRUST BLOCKING, DO NOT BEGIN TEST UNTIL AT LEAST 5 DAYS AFTER THE INSTALLATION OF THE THRUST BLOCKING.
3. NO CHAINS SHALL BE USED DURING THE INSTALLATION OF THE PROPOSED WATER MAIN. NYLON STRAPS SHALL BE UTILIZED INSTEAD. ANY PIPE THAT IS SCRATCHED DURING INSTALLATION SHALL BE SPRAYED WITH A DIELECTRIC UNDERCOATING PAINT.
4. RESTRAINED JOINT PIPE SHALL BE USED THROUGH ALL CASING.
5. WATER MAINS SHALL BE FLUSHED AND THEN DISINFECTED BY DRY GAS FEED OF CHLORINE PER ARTICLE 41-2.15 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. CHLORINE SHALL BE INTRODUCED INTO NEW MAIN THROUGH A 2-INCH CORPORATION, CITY'S RPZ, AND EXISTING HYDRANT. IF NO HYDRANT IS AVAILABLE, A SECOND 2-INCH CORPORATION ON THE EXISTING MAIN WILL BE USED.
6. 16-INCH AND LARGER MAINS SHALL INCLUDE RESTRAINED JOINT PIPE FOR THREE PIPE LENGTHS FROM EACH DIRECTIONAL CHANGE (I.E. BENDS, ELBOWS).



REVISIONS			JANUARY 1, 2018
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

DETAIL NO. 60-7
WATER MAIN INSTALLATION

CITY OF LOCKPORT



NOTES:

1. ALL NEW SERVICES SHALL BE 1" MINIMUM.
2. TRENCH BACKFILL SHALL BE INSTALLED PER WATER MAIN INSTALLATION DETAIL.
3. WATER SERVICES SHALL NOT EXCEED 100' IN LENGTH. SPLICES IN THE WATER SERVICE WITH IN RIGHT OF WAY SHALL NOT BE PERMITTED.
4. SERVICES GREATER THAN OR EQUAL TO 1-1/2-INCHES IN DIAMETER SHALL REQUIRE SADDLES/SAC NUTS. THE SADDLE SHALL BE AN EPOXY COATED DUCTILE IRON BODY WITH STAINLESS STEEL STRAPS, SMITH BLAIR #317 OR JCM #404.
5. ALL MATERIAL SHALL BE CERTIFIED AS NO LEAD.

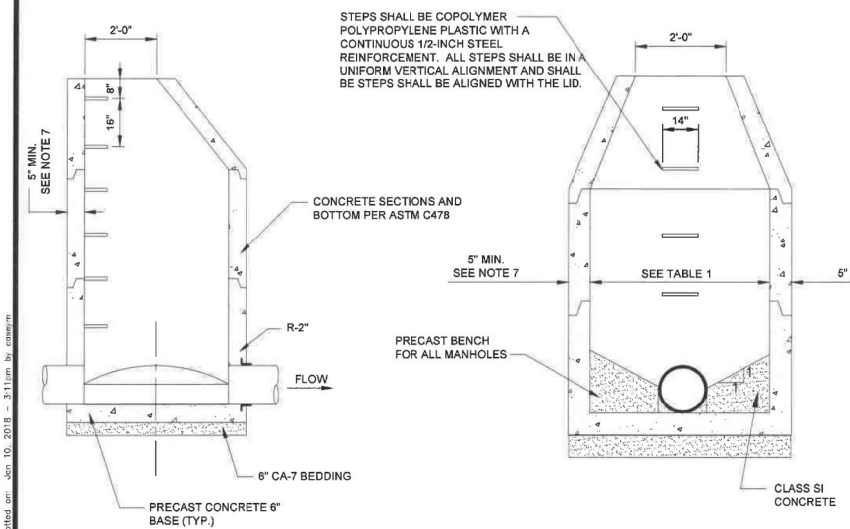


REVISIONS			JANUARY 1, 2018
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

DETAIL NO. 60-8
WATER SERVICE

CORPORATION STOP CATALOG NUMBERS				CURB STOP CATALOG NUMBERS				CURB BOX CATALOG NUMBERS			
SIZE	FORD	AY McDONALD	MUELLER	SIZE	FORD	AY McDONALD	MUELLER	SIZE	FORD	MUELLER	
1"	FB1000-4-Q-NL	74701BQ	B-25008N	1"	B44-444-M-NL	76104Q	B-25209N	1"	EM2-60-56	H-10300	
1-1/2"	FB1000-6-Q-NL	74701BQ	B-25008N	1-1/2"	B44-666-M-NL	76104Q	B-25209N	1-1/2"	EM2-60-56	H-10302-96005	
2"	FB1000-7-Q-NL	74701BQ	B-25008N	2"	B44-777-M-NL	76104Q	B-25209N	2"	EM2-60-67	H-10302-96005	

CITY OF LOCKPORT

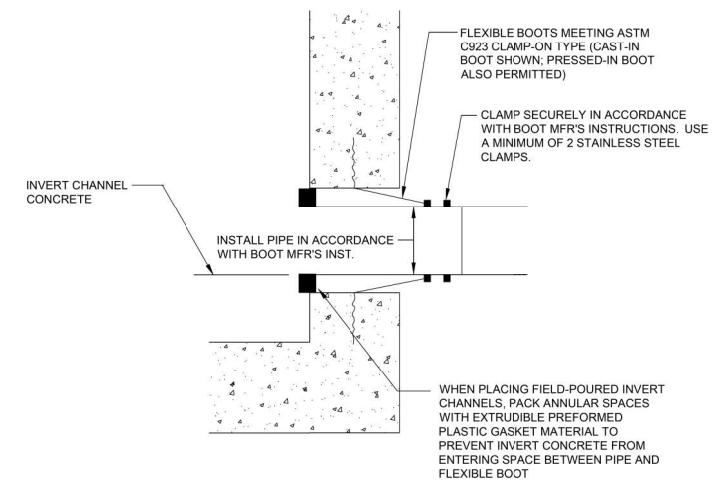


SANITARY AND STORM MANHOLE							
MANHOLE SIZE			SANITARY MANHOLE SPACING		STORM MANHOLE SPACING		
PIPE DIA.	MH. MIN. DIA.	MIN. WALL THICKNESS	PIPE DIA.	MH. SPACING	PIPE DIA.	MH. SPACING	
≤ 18"	4"	6"	8" - 15"	300 FT	6" - 24"	350 FT	
21" - 36"	5"	6"	> 18"	500 FT	27" - 36"	400 FT	
36" - 48"	6"	7"			≥ 42"	600 FT	

- NOTE:
- SANITARY MANHOLES SHALL HAVE WATERSTOP GASKETS CAST INTO STRUCTURES AT ALL PIPE PENETRATIONS. (SEE MANHOLE PIPE CONNECTION DETAIL)
 - SANITARY MANHOLES SHALL HAVE EXTERNAL CHIMNEY SEALS
 - SANITARY MANHOLES SHALL HAVE INTEGRAL BASES
 - MANHOLE BARREL JOINTS SHALL BE TONGUE AND GROOVE TYPE WITH TWO ROWS OF EXTRUDIBLE PREFORMED PLASTIC GASKET MATERIAL (BUTYL ROPE).
 - EXTERNAL JOINT SEALING BANDS IN ACCORDANCE WITH ASTM C-877 MUST BE PROVIDED AT SANITARY MANHOLE JOINTS.
 - SANITARY MANHOLES SHALL PASS VACUUM-TESTING PER ASTM C-1244.
 - SEE CASTING INSTALLATION AND ADJUSTING DETAIL NO. 30-6 FOR CASTING REQUIREMENTS.

REVISIONS		JANUARY 1, 2018	DETAIL NO. 50-6
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

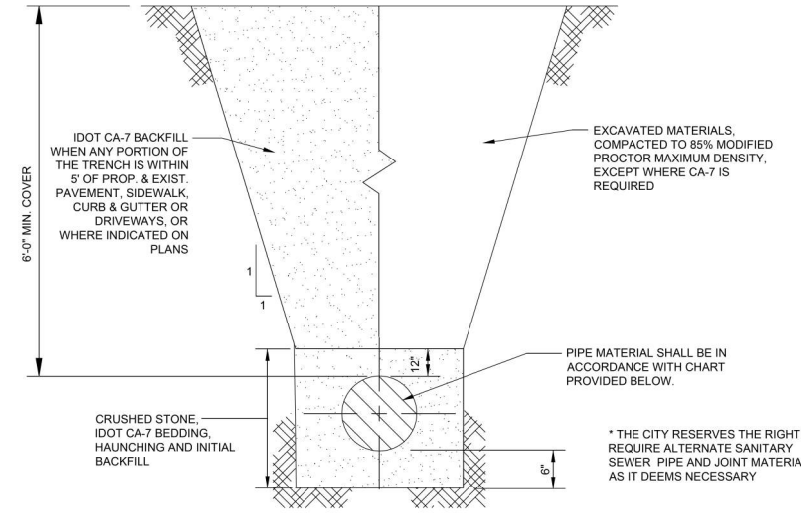
CITY OF LOCKPORT



- NOTES:
- CONNECTION TO EXISTING MANHOLES SHALL BE MADE UTILIZING A CORE DRILLED HOLE. THE HOLE SHALL BE OF SUFFICIENT TO ACCOMMODATE THE SANITARY SEWER AND FLEXIBLE BOOT MEETING ASTM C923, PRESS IN TYPE.
 - EXISTING CONCRETE CHANNELS WHICH CONFLICT WITH NEW CONNECTIONS SHALL BE CORE DRILLED TO THE MAXIMUM EXTENT PRACTICAL. ANY PORTION OF THE CONCRETE CHANNEL NOT REMOVED VIA CORE DRILLING SHALL BE REMOVED AND GROUND SMOOTH, MATCHING THE CORE DRILLED CHANNEL.

REVISIONS		JANUARY 1, 2018	DETAIL NO. 50-2
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

CITY OF LOCKPORT



	MATERIAL	DIAMETER	THICKNESS	SPECIFICATION	JOINT TYPE	SPECIFICATION	NOTES
GRAVITY	RIGID / FLEXIBLE	PVC	4'-15"	SDR 26	ASTM 3034	ELASTOMERIC / PUSH ON	
		PVC	18"-48"	SDR 26	ASTM F679		ASTM D3212, ASTM F477
		DUCTILE IRON	ALL	CL 52	AWWA C151		AWWA C111, AWWA C600
PRESSURE	RIGID / FLEXIBLE	PVC	4'-36"	SDR 21	ASTM 2241	ELASTOMERIC / PUSH ON	
		PVC	4'-48"	DR 18	AWWA C900		ASTM D3139, ASTM F477
		DUCTILE IRON	ALL	CL 52	AWWA C151		AWWA C111, AWWA C600

* CONCRETE PIPE CLASS SHALL BE IN ACCORDANCE WITH ARTICLE 550.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

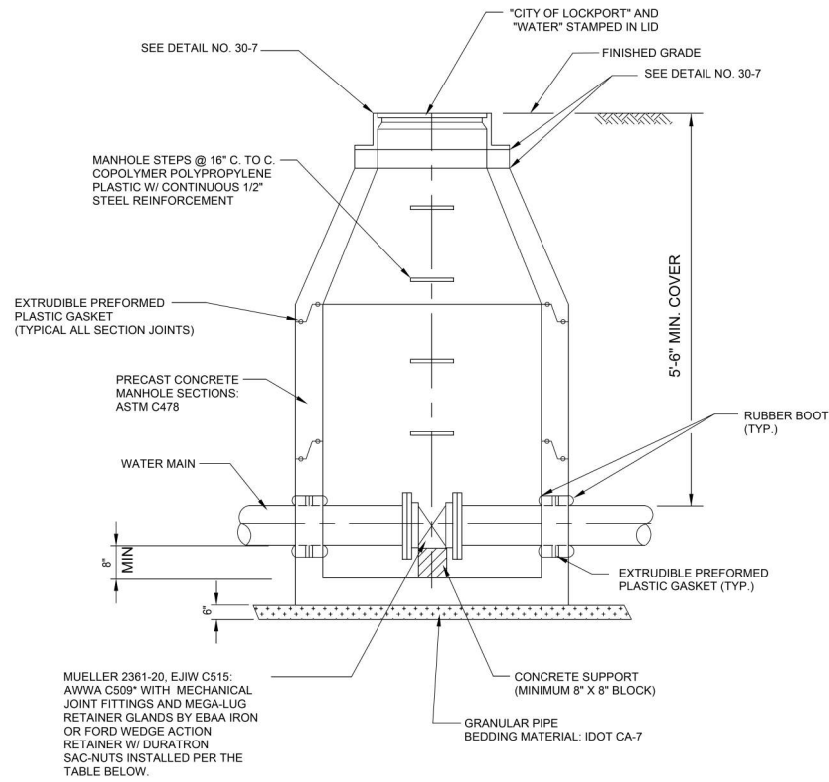
- NOTES:
- ALL SANITARY SEWERS SHALL BE PRESSURE AND DEFLECTION TESTED IN ACCORDANCE WITH SECTION 31 OF THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN ILLINOIS, LATEST EDITION. DEFLECTION TESTING SHALL BE DONE NO SOONER THAN 30 DAYS AFTER THE PIPE HAS BEEN BACKFILLED. NO SOONER THAN 30 DAYS AFTER SEWERS HAVE BEEN INSTALLED, THEY SHALL BE INSPECTED BY CLOSED CIRCUIT COLOR TELEVISION TO DETERMINE IF ANY PIPE INSTALLATION DEFECTS HAVE OCCURRED, AND TO DETERMINE THE LOCATION OF SERVICES. ONE COPY OF THE VIDEO DVD AND FLASH DRIVE AND WRITTEN INSPECTION REPORT SHALL BE FURNISHED TO THE CITY. ANY BELLIES IN THE PIPE IDENTIFIED BY THE CITY DURING THE REVIEW OF THE TELEVISION REPORTS AND VIDEOS SHALL BE CORRECTED PRIOR TO THE CITY ACCEPTING OWNERSHIP.
 - TELEVISION SHALL PAN ALL SERVICE LOCATIONS TO CHECK FOR ISSUES.
 - SEWER PLUGS SHALL BE INSTALLED AT DOWNSTREAM ENDS OF ALL NEW SEWERS AND LEFT IN PLACE UNTIL CITY ACCEPTS SEWERS. SEWER PLUGS SHALL BE INSTALLED AT UPSTREAM ENDS OF NEW SEWERS AT THE END OF EACH DAY'S WORK.

REVISIONS		JANUARY 1, 2018	DETAIL NO. 50-3
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.

CITY OF LOCKPORT

NOTES:

1. CONCENTRIC CONE REQUIRED (ECCENTRIC CONE FOR BUTTERFLY VALVES)
2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 8" OR LESS, USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 12", FOR WATER MAIN SIZES GREATER THAN 12" THE VAULT SIZE WILL BE DETERMINED AT PLAN REVIEW.
3. ALL MATERIALS MUST BE "MADE IN USA".



NOMINAL PIPE SIZE (INCHES)	NUMBER OF SAC-NUTS
3	2
4	2
6	3
8	3
10	4
12	4
14	5
16	6
18	6
20	7
24	8

* VALVES 14" AND LARGER SHALL BE BUTTERFLY VALVES PER AWWA C504



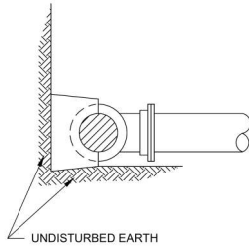
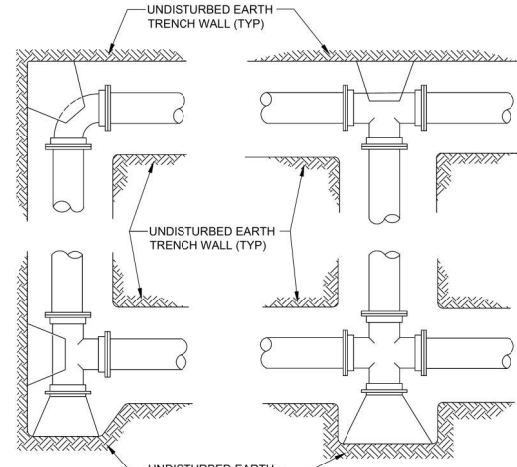
REVISIONS		JANUARY 1, 2018
BY	DATE	DESCRIPTION

DETAIL NO. 60-4

STANDARD VALVE

SCALE: N.T.S.

CITY OF LOCKPORT



SECTION

PLAN VIEW

NOTES:

1. PROVIDE PRECAST CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPE LINE UNDER PRESSURE.
2. PLACE THE BASE AND THRUST BEARING SIDES OF THE THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR
4. ALL FITTING SHALL HAVE MECHANICAL JOINTS WITH MEGA-LUG RETAINER GLANDS BY EBAA IRON, OR FORD WEDGE ACTION RETAINER AND DURATRON SAC-NUTS ON 50% OF MJ JOINTS



REVISIONS		JANUARY 1, 2018
BY	DATE	DESCRIPTION

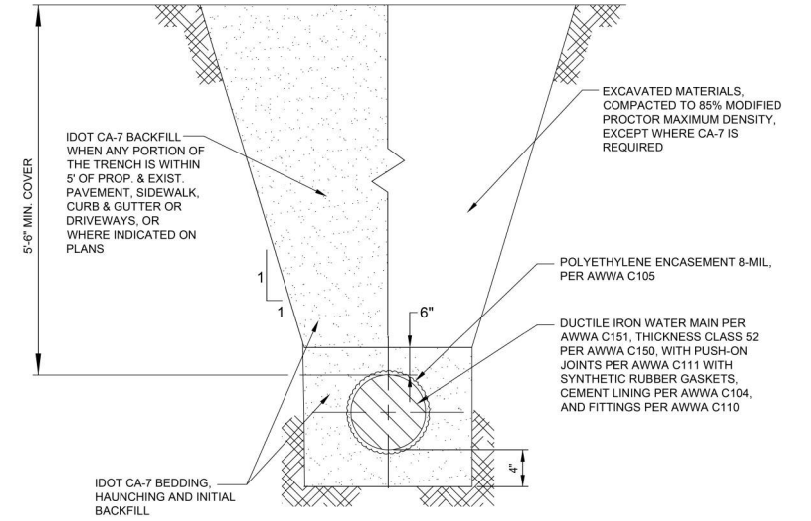
DETAIL NO. 60-5

THRUST BLOCK INSTALLATION

SCALE: N.T.S.

CITY OF LOCKPORT

ALL MATERIALS MUST BE "MADE IN USA".



NOTES:

1. WATER FOR ALL FILLING, TESTING AND CHLORINATING SHALL BE DRAWN FROM THE CITY'S SYSTEM AT THE PROPOSED POINT OF CONNECTION, USING THE CITY'S METERING EQUIPMENT. THIS EQUIPMENT SHALL BE AVAILABLE FROM THE CITY AFTER A 48-HOUR PRIOR NOTICE. EQUIPMENT SHALL BE RETURNED TO THE CITY IMMEDIATELY UPON COMPLETION OF THE TEST, WHETHER SUCCESSFUL OR NOT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2-INCH FLARED CORPORATION ON NEW MAIN TO CONNECT WITH CITY'S EQUIPMENT. FLUSHING SCHEDULE SHALL BE SUBJECT TO CITY WATER DEPARTMENT'S REVIEW AND APPROVAL.
2. MAINS SHALL BE PRESSURE TESTED AT A MAXIMUM PRESSURE OF 150 PSI FOR 2 HOUR AND SHALL NOT EXCEED THE ALLOWABLE LEAKAGE WITH AWWA C600. IF MAINS TO BE TESTED INCLUDE CAST IN PLACE CONCRETE THRUST BLOCKING, DO NOT BEGIN TEST UNTIL AT LEAST 5 DAYS AFTER THE INSTALLATION OF THE THRUST BLOCKING.
3. NO CHAINS SHALL BE USED DURING THE INSTALLATION OF THE PROPOSED WATER MAIN. NYLON STRAPS SHALL BE UTILIZED INSTEAD. ANY PIPE THAT IS SCRATCHED DURING INSTALLATION SHALL BE SPRAYED WITH A DIALECTRIC UNDERCOATING PAINT.
4. RESTRAINED JOINT PIPE SHALL BE USED THROUGH ALL CASING.
5. WATER MAINS SHALL BE FLUSHED AND THEN DISINFECTED BY DRY GAS FEED OF CHLORINE PER ARTICLE 41-2.15 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. CHLORINE SHALL BE INTRODUCED INTO NEW MAIN THROUGH A 2-INCH CORPORATION, CITY'S RPZ, AND EXISTING HYDRANT. IF NO HYDRANT IS AVAILABLE, A SECOND 2-INCH CORPORATION ON THE EXISTING MAIN WILL BE USED.
6. 15-INCH AND LARGER MAINS SHALL INCLUDE RESTRAINED JOINT PIPE FOR THREE PIPE LENGTHS FROM EACH DIRECTIONAL CHANGE (I.E. BENDS, ELBOWS).

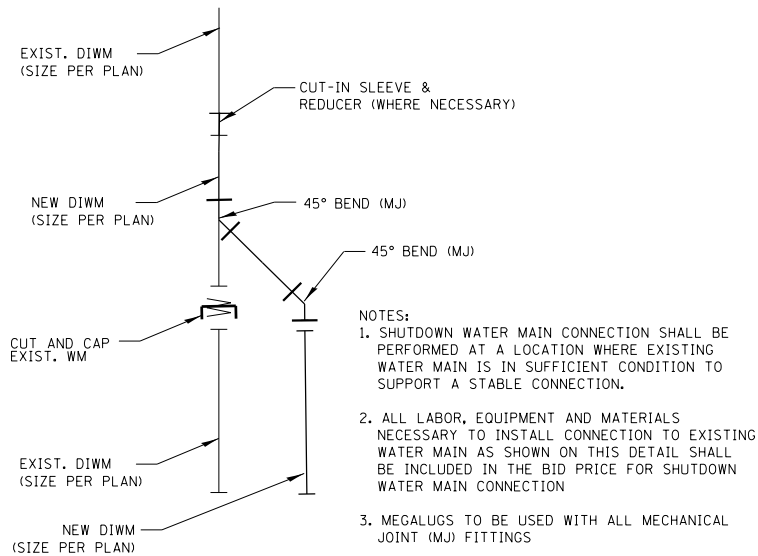


REVISIONS		JANUARY 1, 2018
BY	DATE	DESCRIPTION

DETAIL NO. 60-7

WATER MAIN INSTALLATION

SCALE: N.T.S.

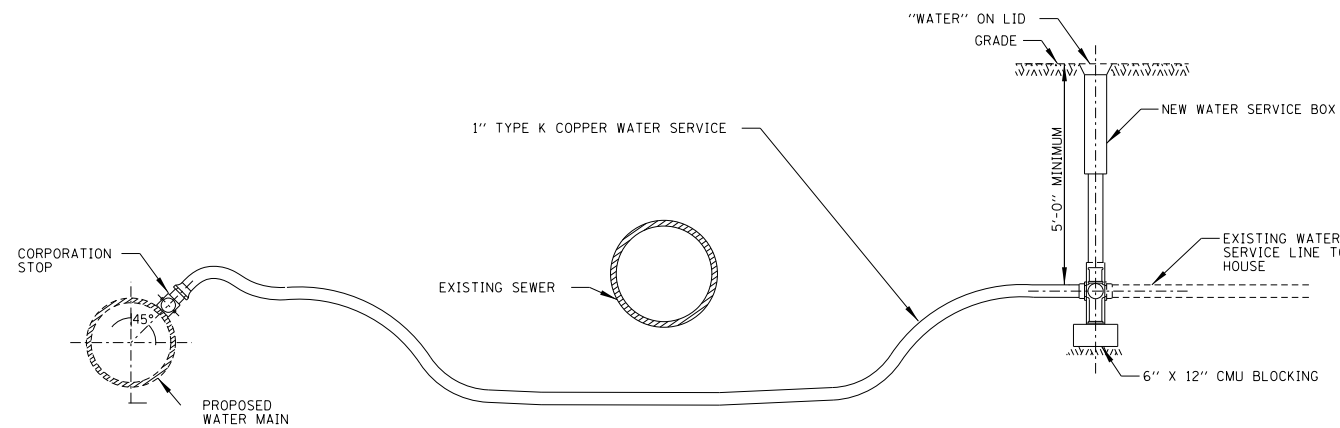


NOTES:

1. SHUTDOWN WATER MAIN CONNECTION SHALL BE PERFORMED AT A LOCATION WHERE EXISTING WATER MAIN IS IN SUFFICIENT CONDITION TO SUPPORT A STABLE CONNECTION.
2. ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL CONNECTION TO EXISTING WATER MAIN AS SHOWN ON THIS DETAIL SHALL BE INCLUDED IN THE BID PRICE FOR SHUTDOWN WATER MAIN CONNECTION
3. MEGALUGS TO BE USED WITH ALL MECHANICAL JOINT (M.J) FITTINGS

SHUTDOWN WATER MAIN CONNECTION

NOT TO SCALE



NOTE:

1. PAY LIMIT FOR WATER SERVICE LINE RECONNECTION SHALL BE FROM THE MAIN UP TO AND INCLUDING A NEW DOMESTIC WATER SERVICE BOX.

WATER SERVICE REPLACEMENT

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2860

USER NAME	DESIGNED	REVISIONS
aschoefer	- AJS	-
	- AJS	-
	- BMW	-
	-	-

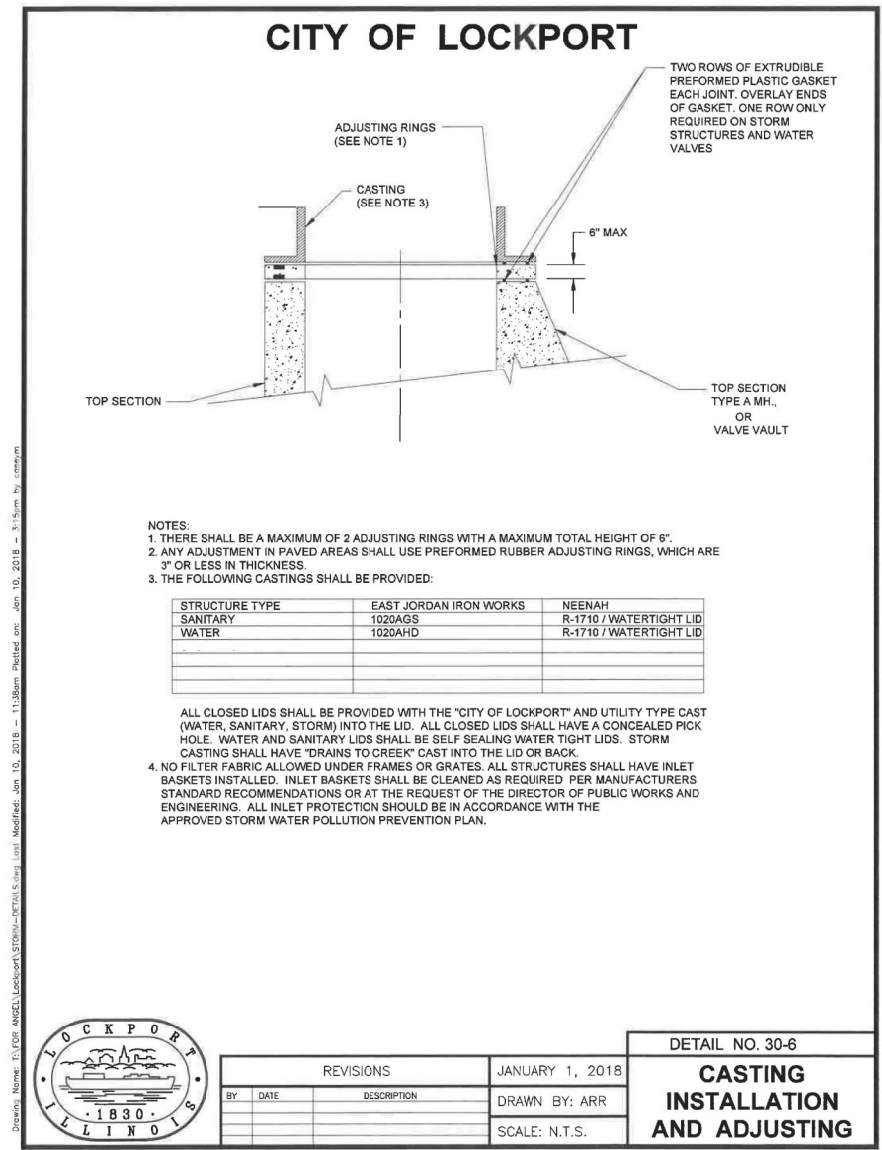
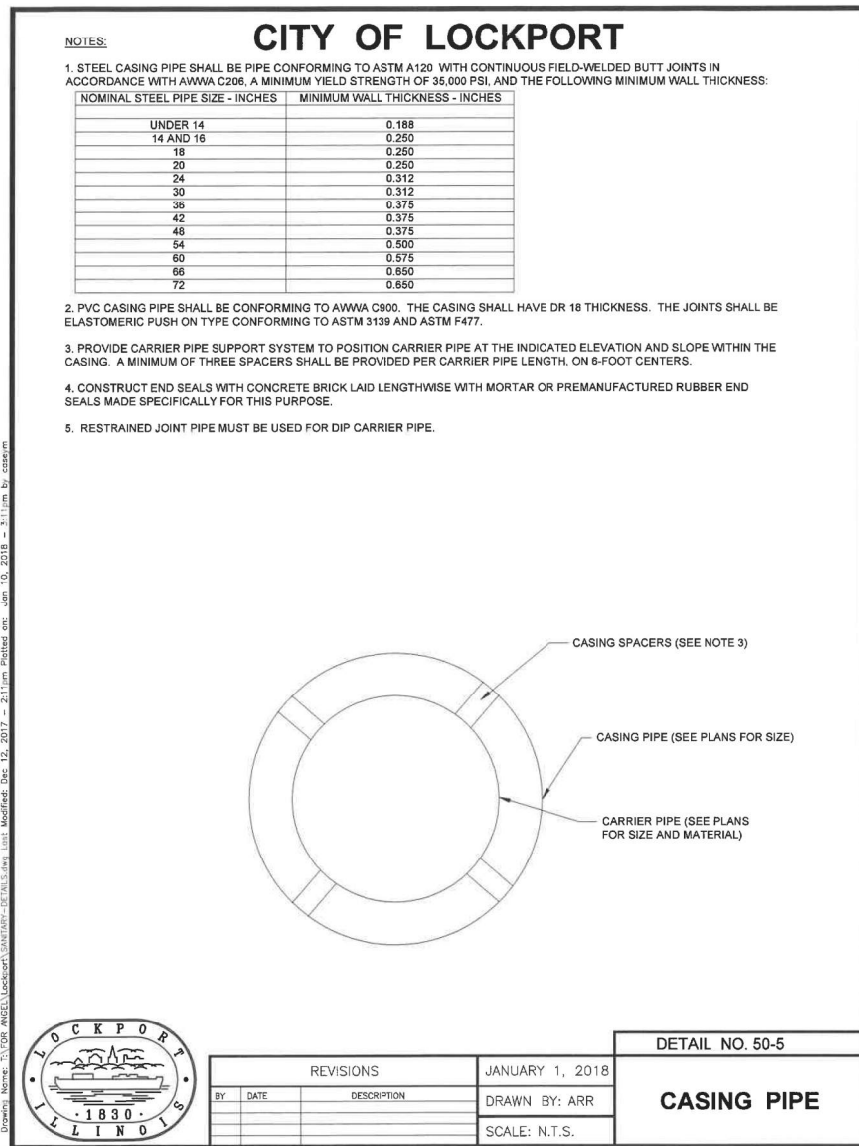
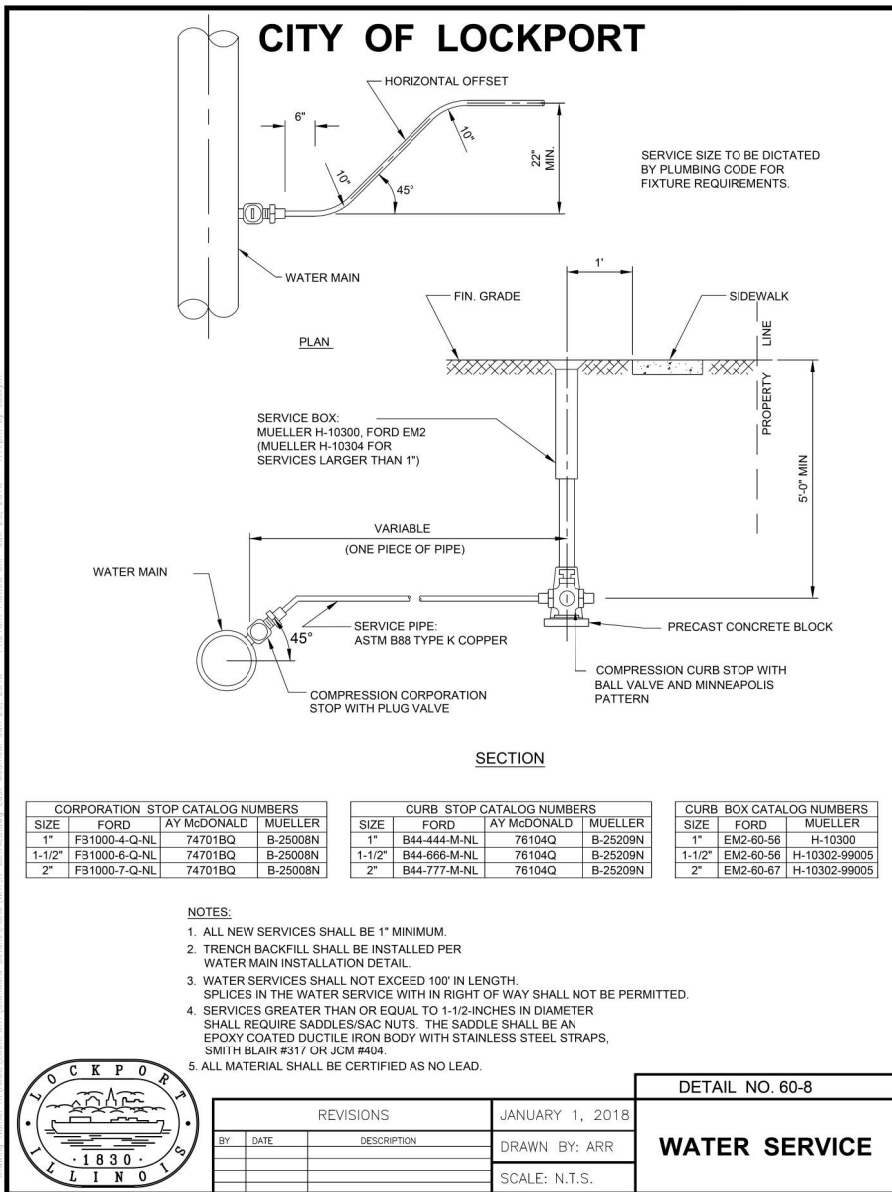
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E. 9TH STREET (IL RT 7)
CONSTRUCTION DETAILS

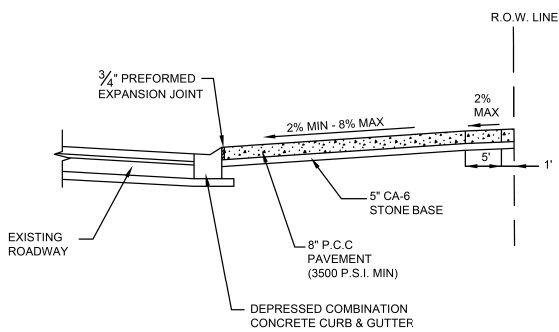
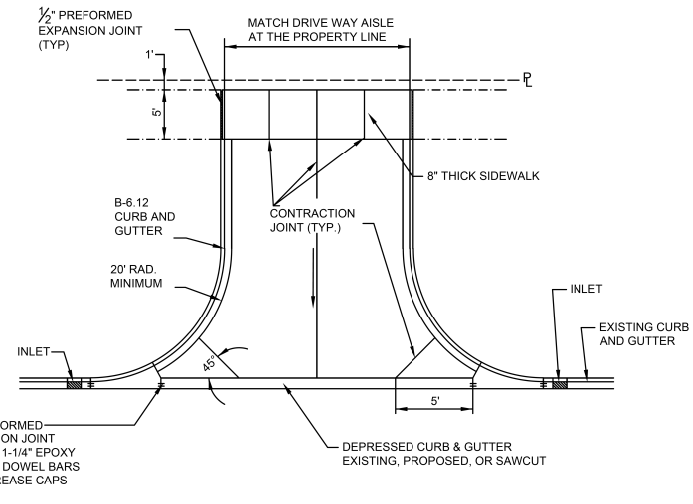
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	149

SCALE: N.T.S. SHEET 4 OF 9 SHEETS STA. TO STA.

CONTRACT NO. 61H98 ILLINOIS FED. AID PROJECT



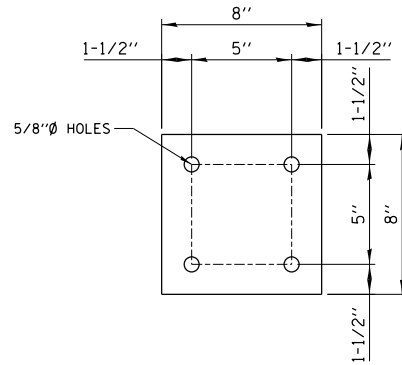
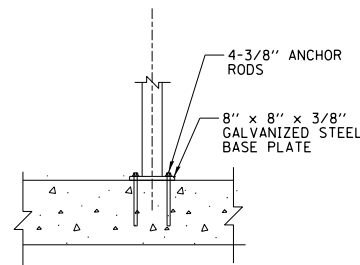
CITY OF LOCKPORT



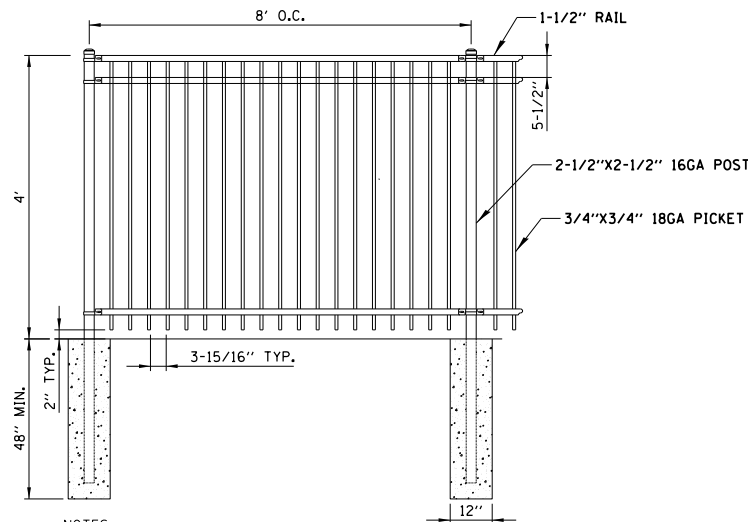
- NOTES:
1. ALL CONCRETE SHALL BE IDOT CLASS "SI" CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 14 DAYS.
2. THE SUBGRADE SHALL BE STABLE AND MECHANICALLY COMPACTED TO A MINIMUM 95% OF THE LABORATORY DENSITY.
3. ALL AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED TO A MINIMUM OF 95% OF THE LABORATORY DENSITY.



REVISIONS		JANUARY 1, 2018	DETAIL NO. 70-14
BY	DATE	DESCRIPTION	DRAWN BY: ARR
			SCALE: N.T.S.
			COMMERCIAL ENTRANCE

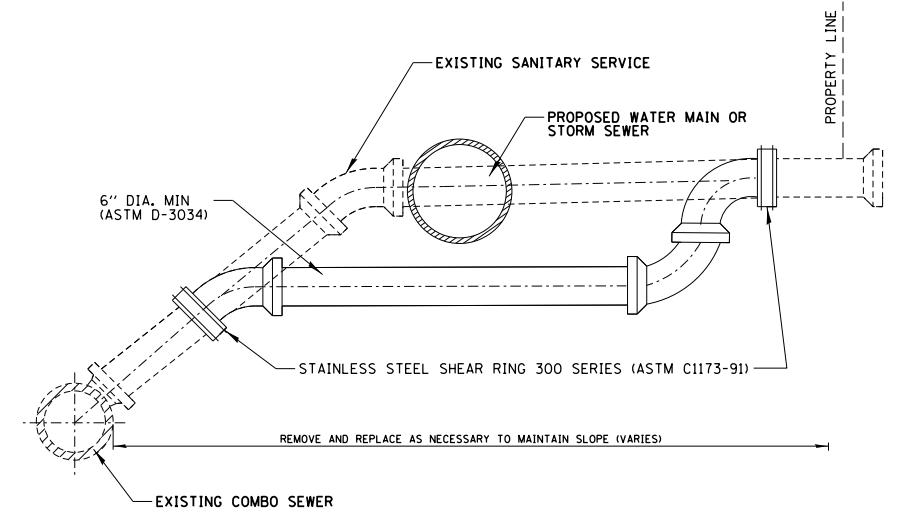


STEEL BASE PLATE DETAIL



- NOTES:
1. FENCE CAN BE INSTALLED USING CONCRETE FOUNDATIONS OR DIRECT MOUNTED TO CONCRETE SIDEWALK. STEEL BASE PLATES AND STAINLESS STEEL ADHESIVE CONCRETE ANCHORS SHALL BE USED WHEN MOUNTED TO CONCRETE SIDEWALK.

ORNAMENTAL METAL FENCE DETAIL

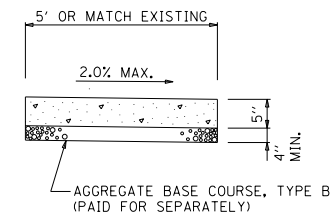


NOTE:

1. THE CONTRACTOR WILL BE PAID FOR ADJUSTING SANITARY SEWER, 8-INCH OR LESS ONLY WHEN THE PROPOSED WATER MAIN OR STORM SEWER IS IN DIRECT CONFLICT WITH THE EXISTING SANITARY SERVICE LINE.
2. FOR TRENCH BACKFILL PAYMENT SEE TRENCH DETAIL.
3. ALL PVC BENDS SHALL BE SDR 26.

ADJUSTING SANITARY SEWER, 8-INCH OR LESS

NOT TO SCALE



NOTES:

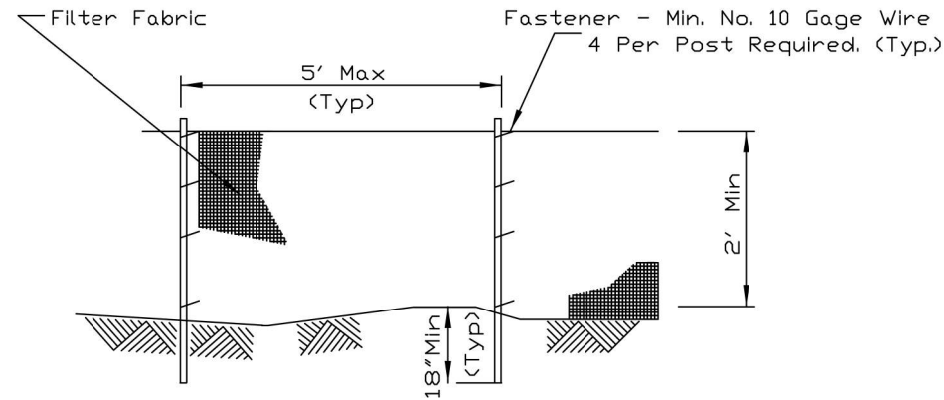
1. THICKNESS SHALL BE INCREASED TO 6" WHERE SIDEWALK IS ADJACENT TO A RESIDENTIAL DRIVEWAY (INCLUDED IN COST OF PCC SIDEWALK 5 INCH).
2. THICKNESS SHALL BE INCREASED TO 8" WHERE SIDEWALK IS ADJACENT TO A COMMERCIAL DRIVEWAY (PAID FOR AS PCC SIDEWALK 8 INCH).

P.C.C. SIDEWALK 5 INCH DETAIL

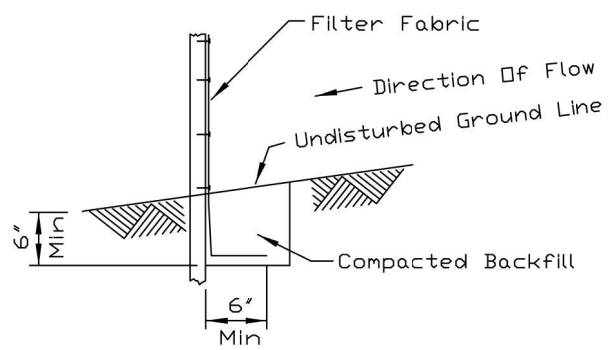
USER NAME = aschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - AJS	REVISED -
PLOT DATE = 12/9/2023	CHECKED - BMW	REVISED -
	DATE - 12/9/2023	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	151
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

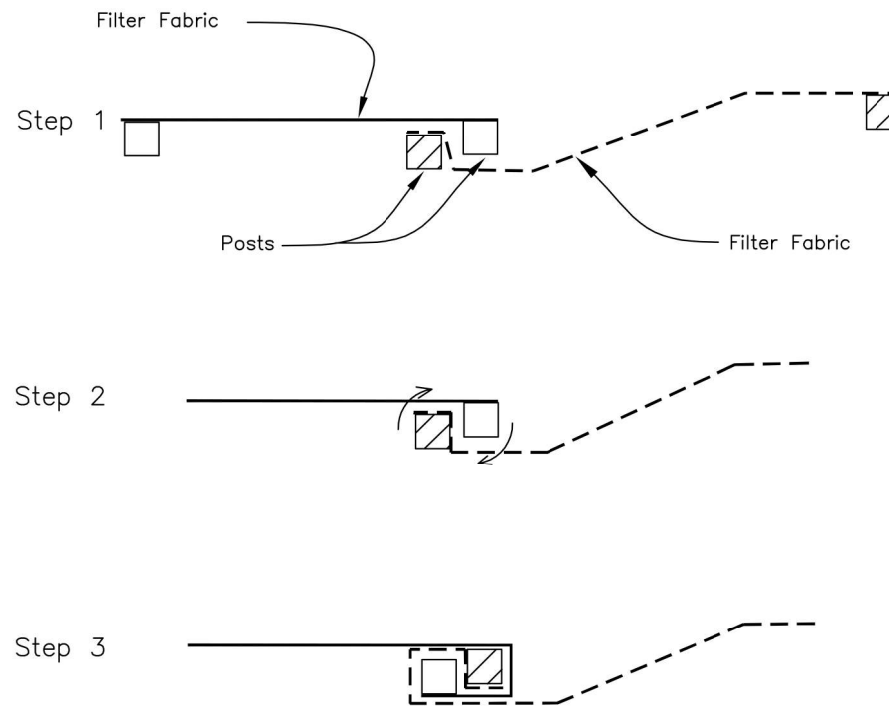
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-620
SHEET	1 OF 2
DATE	11-20-01

SILT FENCE



ATTACHING TWO SILT FENCES

NOTES:

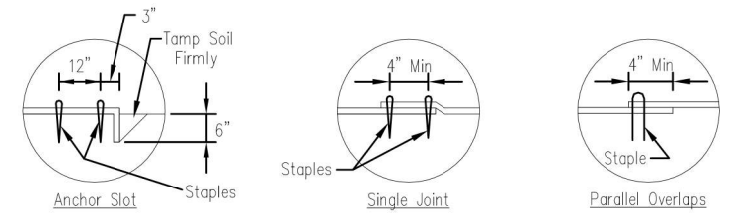
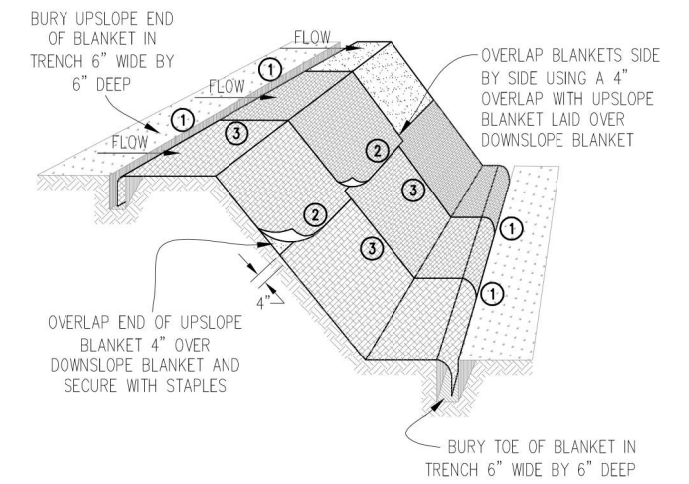
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-620(W)
SHEET	2 OF 2
DATE	1-29-99

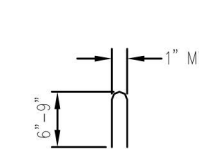
AUTOCAD2006



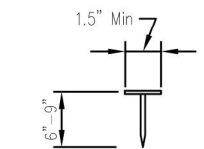
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 staples with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12' intervals.

Sheet	1 of 1
Drawn	_____
Checked	_____
Approved	_____

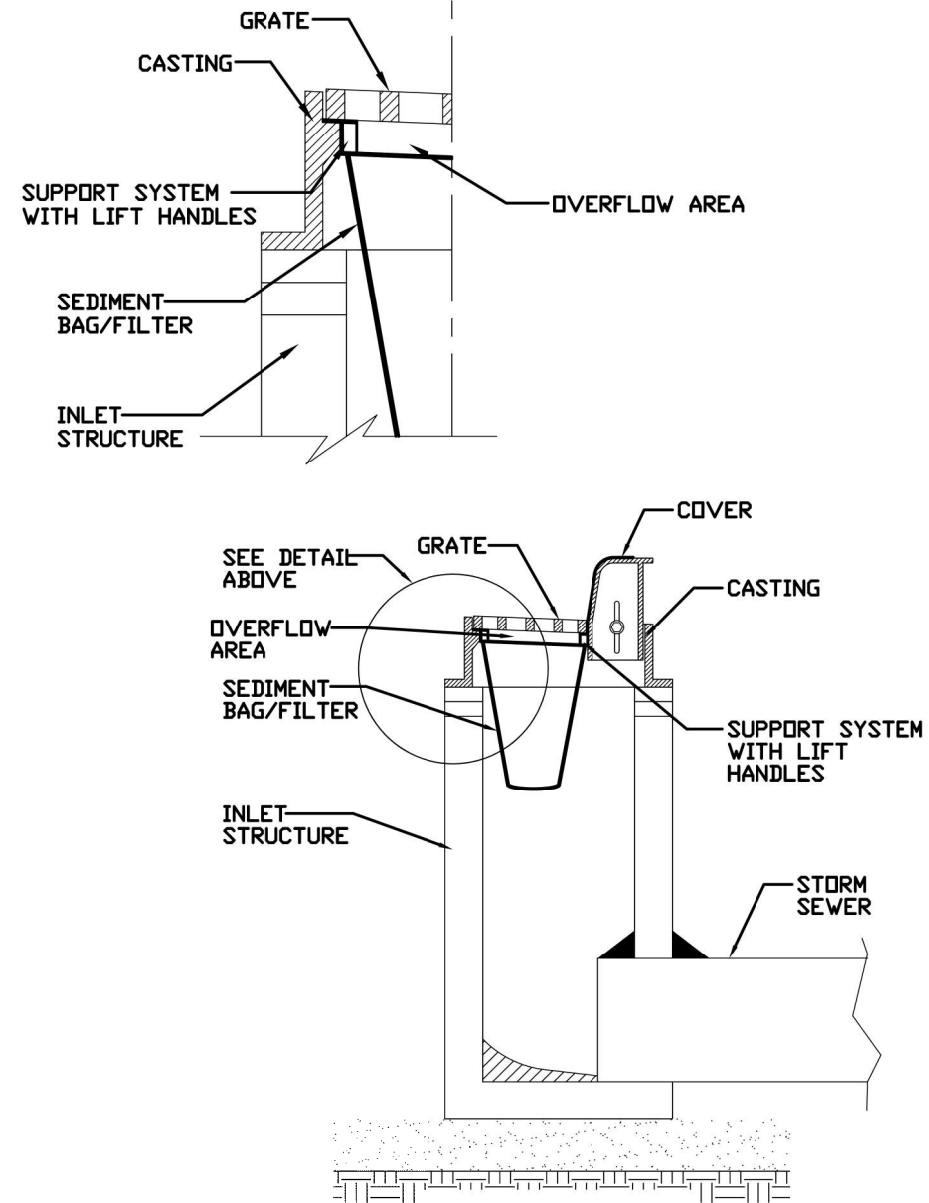
EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed	_____	Date	_____
Drawn	B. JOHNSON	Date	11/20/08
Checked	_____	Date	_____
Approved	_____	Date	_____

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - AJS	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	152
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

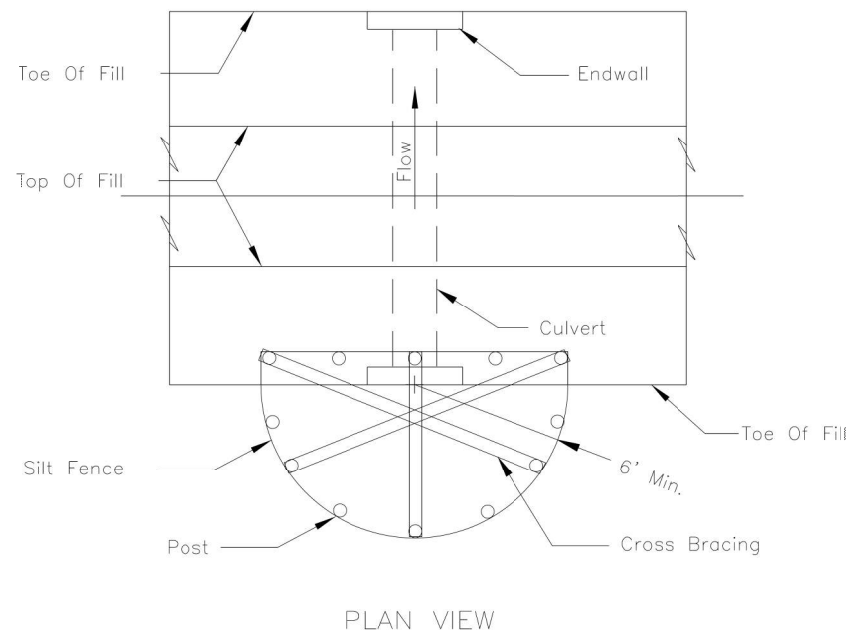


REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IUM-561D
SHEET	1 OF 1
DATE	01-11-11

CULVERT INLET PROTECTION - SILT FENCE



NOTES:

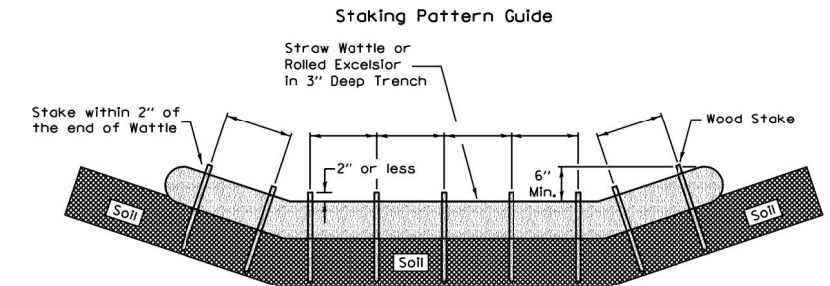
1. The silt fence shall meet the requirements as shown on standard drawing IL-620 SILT FENCE except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
2. Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
3. The maximum drainage area to the culvert being protected is 1 acre.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



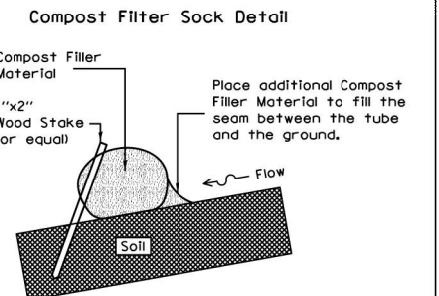
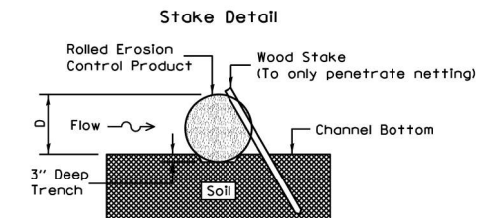
STANDARD DWG. NO.	IL-508SF
SHEET	1 OF 1
DATE	1-29-99

ROLLED EROSION CONTROL PRODUCTS



Notes:

1. Overlap minimum is the diameter of the roll.
2. 4' spacing for wattles.
3. 2' spacing for rolled excelsior.
4. Or space according to manufacturer's specifications.



Notes:

1. Drawings are not to scale.
2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
3. Recommended stakes are 1 1/8" wide x 1 1/8" thick x 30" long.
4. Stakes shall not extend above the straw wattle more than 2".
5. Spacing: The toe of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

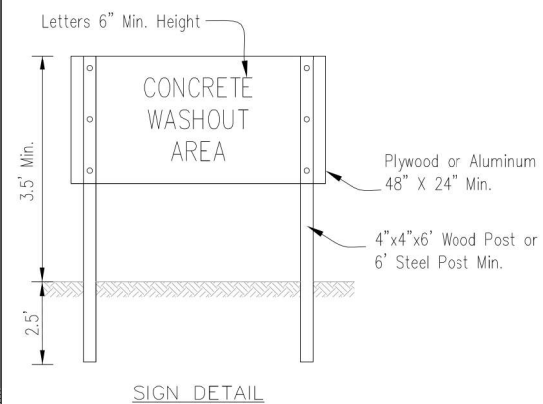
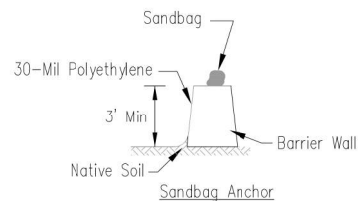
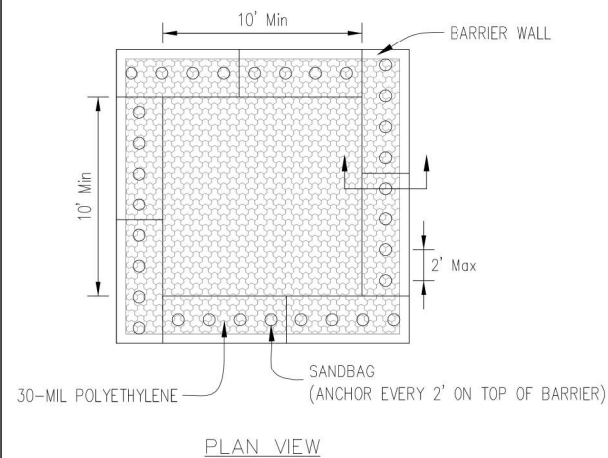
REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IUM-514
SHEET	1 OF 1
DATE	8-19-11

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - AJS	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

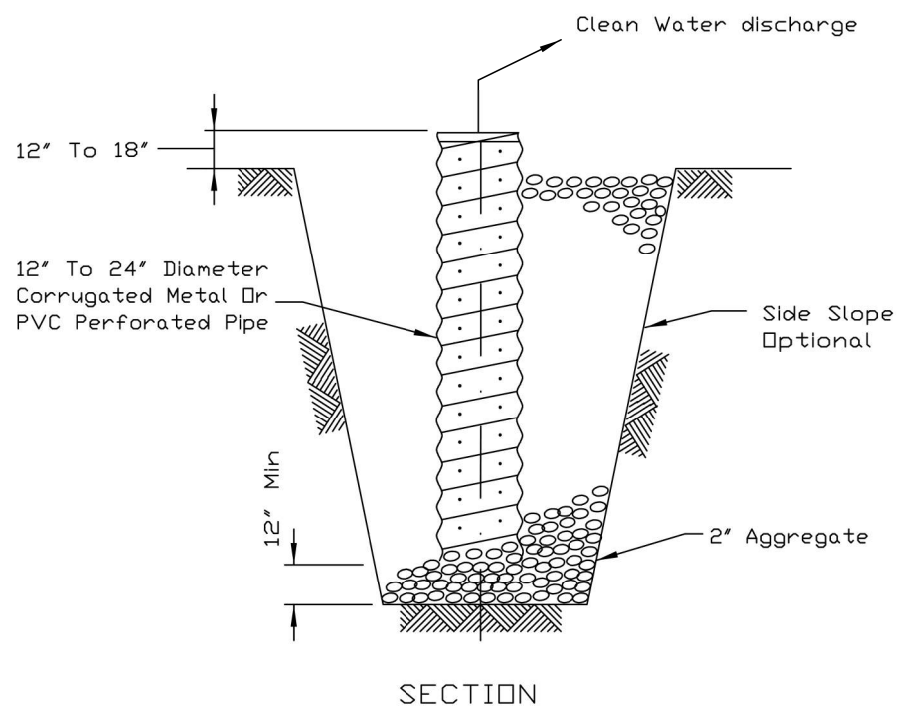
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	153
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				



NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

SUMP PIT PLAN



NOTES:

- Pit dimensions are optional.
- The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
- A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
- The standpipe will extend 12" to 18" above the lip of the pit.
- If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
- If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

	USER NAME = <u>oschoefer</u>	DESIGNED - <u>AJS</u>	REVISED -
	TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL	DRAWN - <u>AJS</u>	REVISED -
	PLOT SCALE = N.T.S.	CHECKED - <u>BMW</u>	REVISED -
	PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-650
SHEET	1 OF 1
DATE	8-11-94

USER NAME = <u>oschoefer</u>	DESIGNED - <u>AJS</u>	REVISED -
DRAWN - <u>AJS</u>	REVISED -	
CHECKED - <u>BMW</u>	REVISED -	
DATE - 11/9/2023	REVISED -	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	154
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. All work and materials shall be in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2022 and latest supplemental specifications and recurring special provisions, unless noted otherwise.
2. The Contractor shall verify all dimensions in the field prior to commencing work. The engineer shall be notified of any discrepancies which may exist, prior to proceeding with the work.
3. Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor shall call J.U.L.I.E. prior to excavation.
4. The contractor is responsible for design, installation and removal of all excavation support systems.
5. The excavation and work area shall be properly drained at all times during construction. All wet, loose, frozen or other unsuitable material shall be removed prior to placement of concrete or compacted backfill. The cost of any pumping required shall be included in the cost of Precast Concrete Box Culverts.
6. Foundation design is based on soil information provided in Roadway Geotechnical Report by TSC, Report L-90,980. Contractor shall have a geotechnical engineer to field verify the allowable bearing capacity under the box culvert and wingwall exceeds 2000 psf. Cost included in "Precast Concrete Box Culverts".
7. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Precast Concrete Box Culvert".
8. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
9. For backfilling and embankment, see Standard Specifications.

CAST-IN-PLACE CONCRETE NOTES

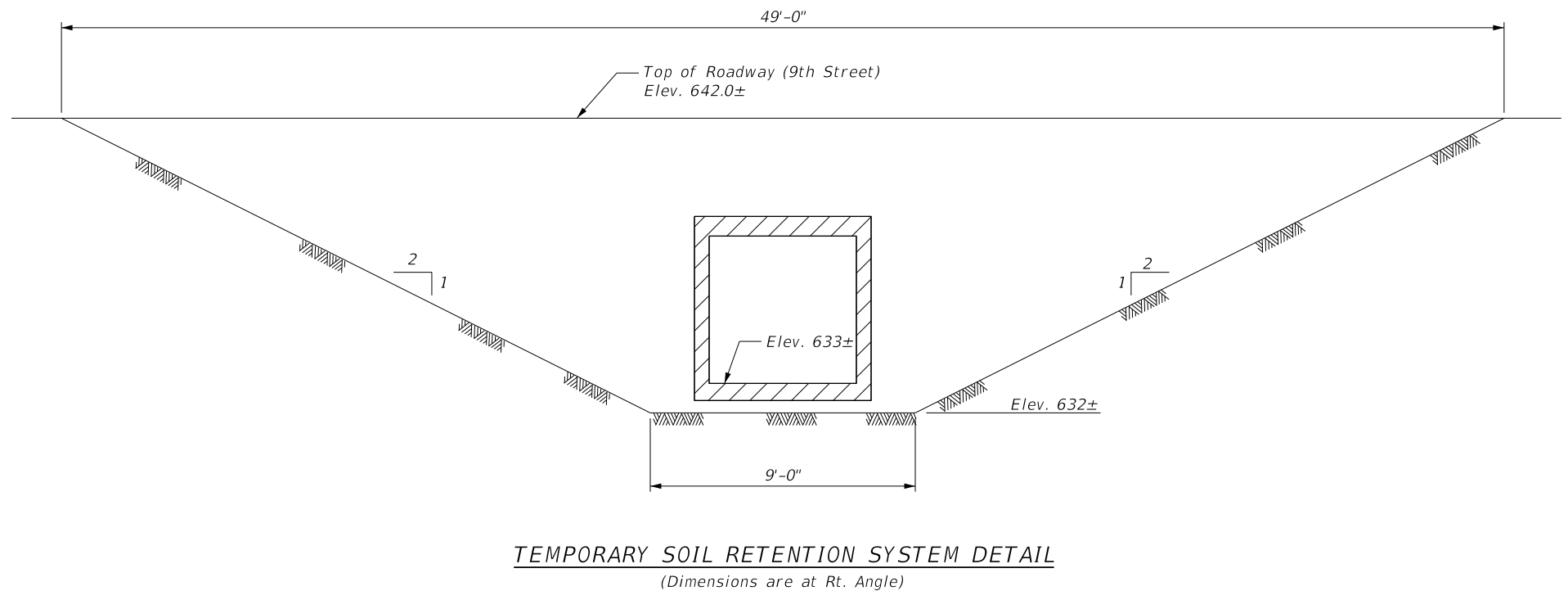
1. All cast-in-place concrete work shall be in accordance with section 503 of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2022 supplemental specifications and recurring special provisions and as noted below.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 GR60.
3. Exposed edges of cast-in-place concrete shall be beveled $\frac{3}{4}$ ".
4. All construction joints shall be bonded.
5. Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces cast against earth and 2" for all other surfaces unless otherwise noted.
6. Contractor shall coordinate with Precast Box Culvert Manufacturer to account for possible creep between box segments. Creep shall be determined prior to constructing second cast-in-place end section.

PRECAST CONCRETE BOX CULVERT

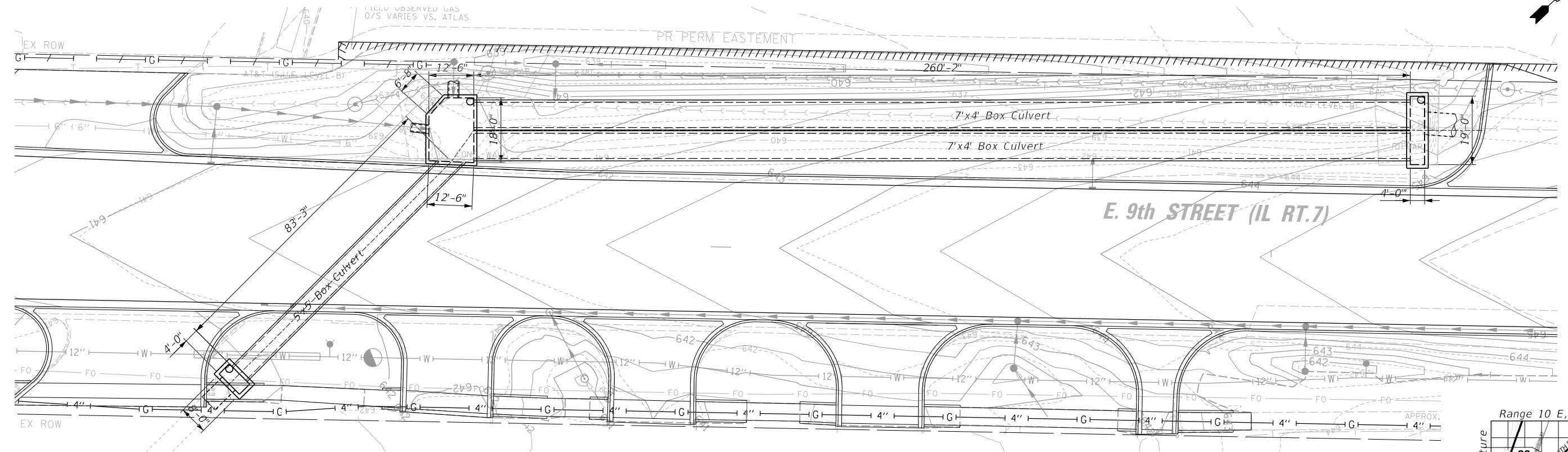
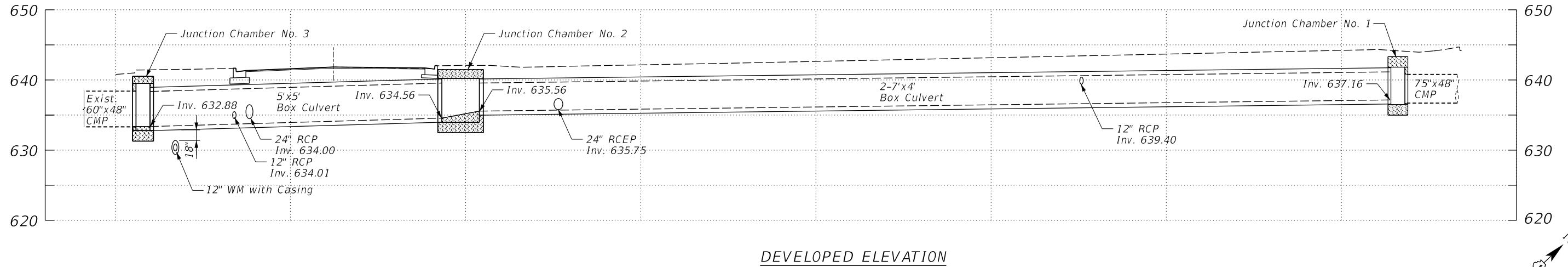
1. All precast concrete box culvert work shall be in accordance with sections 504 and 540 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction adopted January 1, 2022, supplemental specifications and recurring special provisions and as noted below.
2. The contractor shall be responsible for providing the design, engineering, fabrication and installation of the precast concrete box culvert. The contractor shall submit to the engineer calculations and shop drawings sealed by a Structural Engineer licensed in the state of Illinois for review prior to fabricating the precast concrete box culvert. Precast concrete box culverts shall conform to the requirements of ASTM C1577. The shop drawings shall include the ferrule loops.
3. Bar splicers shall be installed at the locations shown on the drawings by the precast concrete box culvert manufacturer. Cost of bar splicers are included in Precast Box Culverts.

CULVERT BILL OF MATERIAL

IDOT No.	ITEM	UNIT	TOTAL
20700110	Porous Granular Embankment	Cu. Yd.	130
20900110	Porous Granular Backfill	Cu. Yd.	660
50200100	Structural Excavation	Cu. Yd.	1070
50200450	Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	130
50300225	Concrete Structures	Cu. Yd.	10.5
52200020	Temporary Soil Retention System	Sq. Ft.	1610
54010505	Precast Concrete Box Culverts, 5x5	Foot	84
54010704	Precast Concrete Box Culverts, 7x4	Foot	520
X0900064	Membrane Waterproofing System for Buried Structures	Sq. Yd.	680
X1200087	Junction Chamber #1	Each	1
X1200214	Junction Chamber #2	Each	1
X1200254	Junction Chamber #3	Each	1



Bench Mark: OSBM RT1-Railroad spike in the southerly face of power pole with light on the northeast corner of Lincoln Street & 9th Street (AKA Route 7) Elev. 646.45
 Existing Structure: The existing structure is a 60"x48" CMP culvert.
 Salvage part of structures and connect to proposed Junction Chamber No. 3.
 Maintenance of traffic using Construction Staging.



PLAN

HIGHWAY CLASSIFICATION

East 9th Street (IL Route 7)
 FAP 351 Other Principal Aerial
 ADT: 14,200 (2018); 1355 (2018)
 DHV: 1355 (2018)
 ADTT: 12.4% (Trucks)
 Design Speed: 40 m.p.h.
 Posted Speed: 35 m.p.h.
 2-Way Traffic

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications,
 8th Edition, with Current Interims

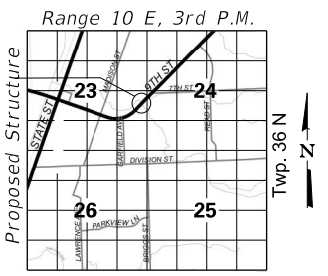
DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 60,000$ psi (Reinforcement)

I Certify that to the best of my knowledge, information and belief, this Structure design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specification For Highway And Bridges".



LOCATION SKETCH



Majid Mobasseri 8/2/23

MAJID MOBASSERI
 ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
 EXPIRATION DATE: 11/30/24

GENERAL PLAN & ELEVATION
9TH STREET
PROPOSED BOX CULVERT
WILL COUNTY

CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2800	USER NAME = aschaefer	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	E. 9TH STREET (IL RT 7) GENERAL PLAN AND ELEVATION	F.A.P. RTE. 351	SECTION 18-00084-00-WR	COUNTY WILL	TOTAL SHEETS 211	SHEET NO. 156
	PLOT SCALE = 15'	CHECKED - MM	REVISED -			SCALE: \$SCALE\$	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61H98	
	PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -							

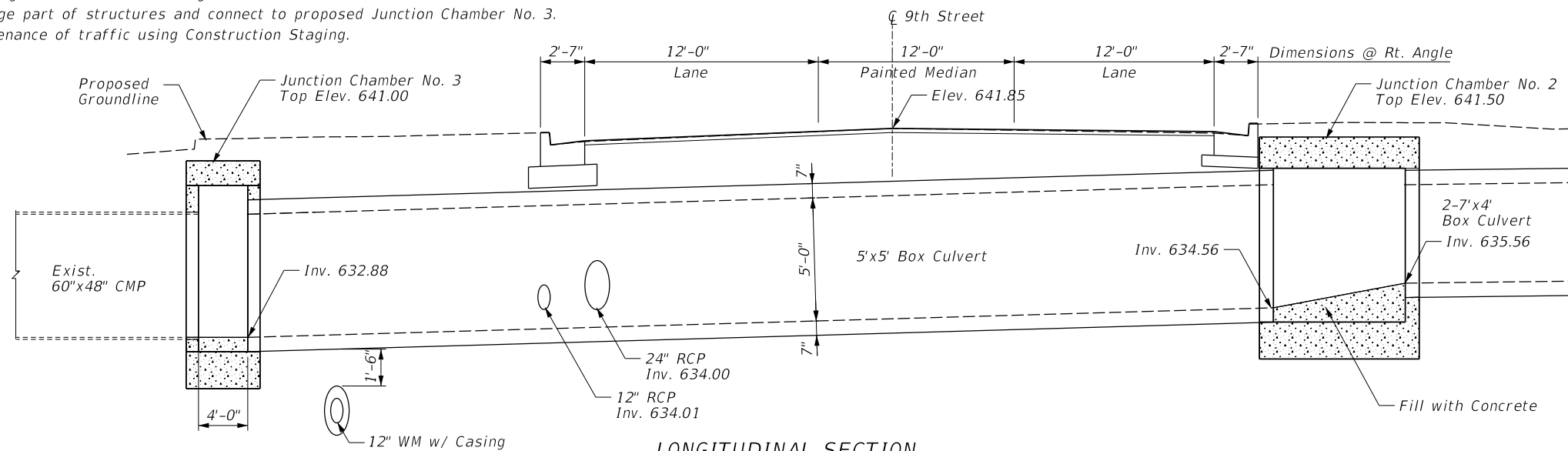
N:\Lockport\170491.00001\Struct\170491.00001-GPE-01.sht

Bench Mark: OSBM RT1-Railroad spike in the southerly face of power pole with light on the northeast corner of Lincoln Street & 9th Street (AKA Route 7) Elev. 646.45

Existing Structure: The existing structure is a 60"x48" CMP culvert.

Salvage part of structures and connect to proposed Junction Chamber No. 3.

Maintenance of traffic using Construction Staging.



LONGITUDINAL SECTION
(Dimensions are @ Rt. Angle)

WATERWAY INFORMATION

Drainage Area = 0.13 Sq. M. Low Grade Elev. 642.03 @ Sta. 54+22

Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	98	-	-	-	-	-	637.8	637.8
Design	50	172	-	-	-	-	-	640.1	639.8
Base	100	197	-	-	-	-	-	641.8	641.8
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	-	-	-	-	-	-	-	-

HIGHWAY CLASSIFICATION

East 9th Street (IL Route 7)
FAP 351 Other Principal Arterial
ADT: 14,200 (2018); 1355 (2018)
DHV: 1355 (2018)
ADTT: 12.4% (Trucks)
Design Speed: 40 m.p.h.
Posted Speed: 35 m.p.h.
2-Way Traffic

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition, with Current Interims

DESIGN STRESSES

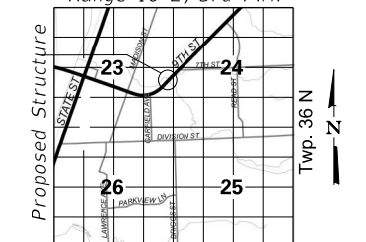
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

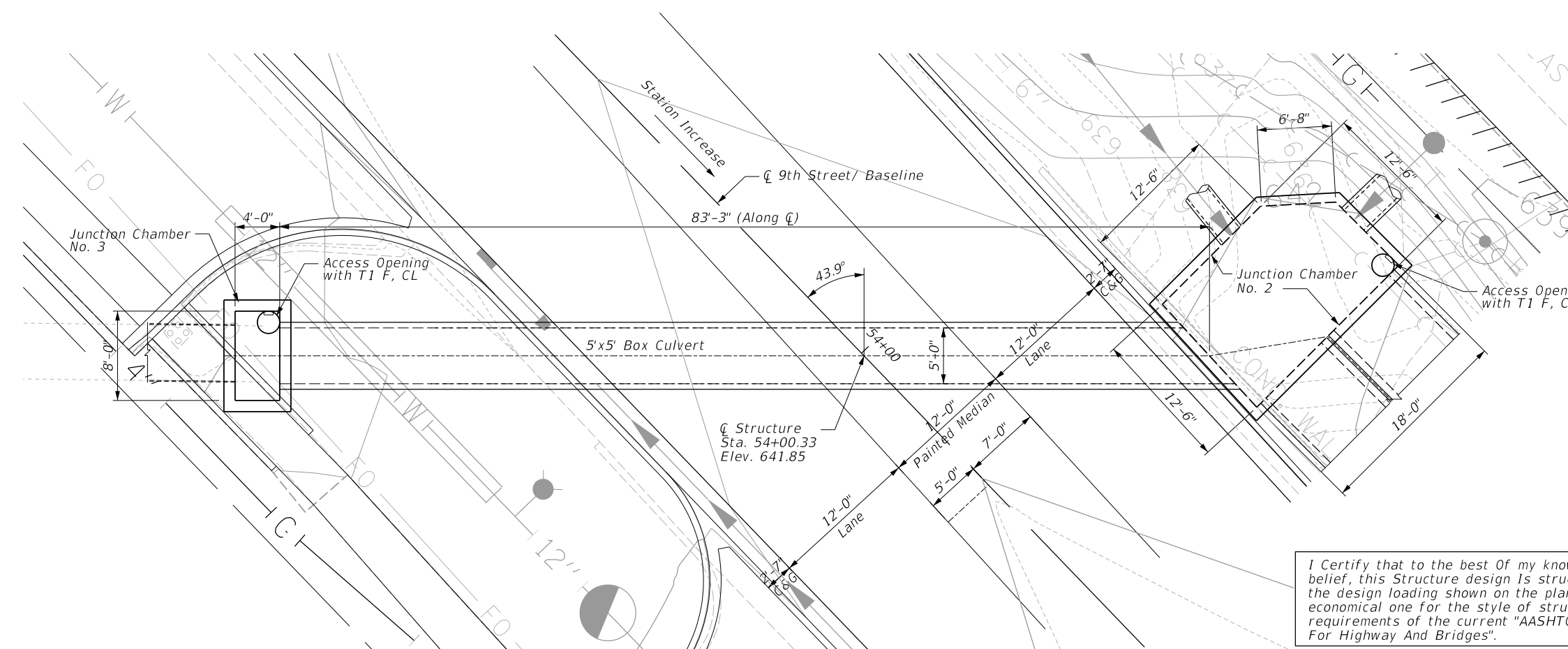
PRECAST UNITS

f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)

Range 10 E, 3rd P.M.



LOCATION SKETCH



PLAN

I Certify that to the best of my knowledge, information and belief, this Structure design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specification For Highway And Bridges".



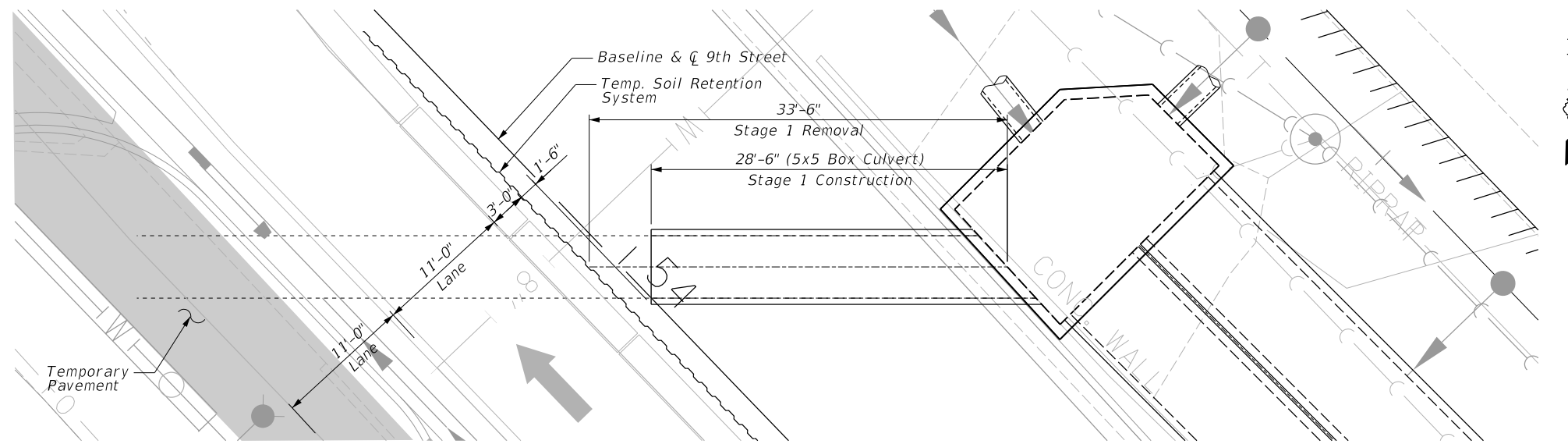
Majid Mobasser 8/2/23
MAJID MOBASSERI
ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
EXPIRATION DATE: 11/30/24

GENERAL PLAN & ELEVATION

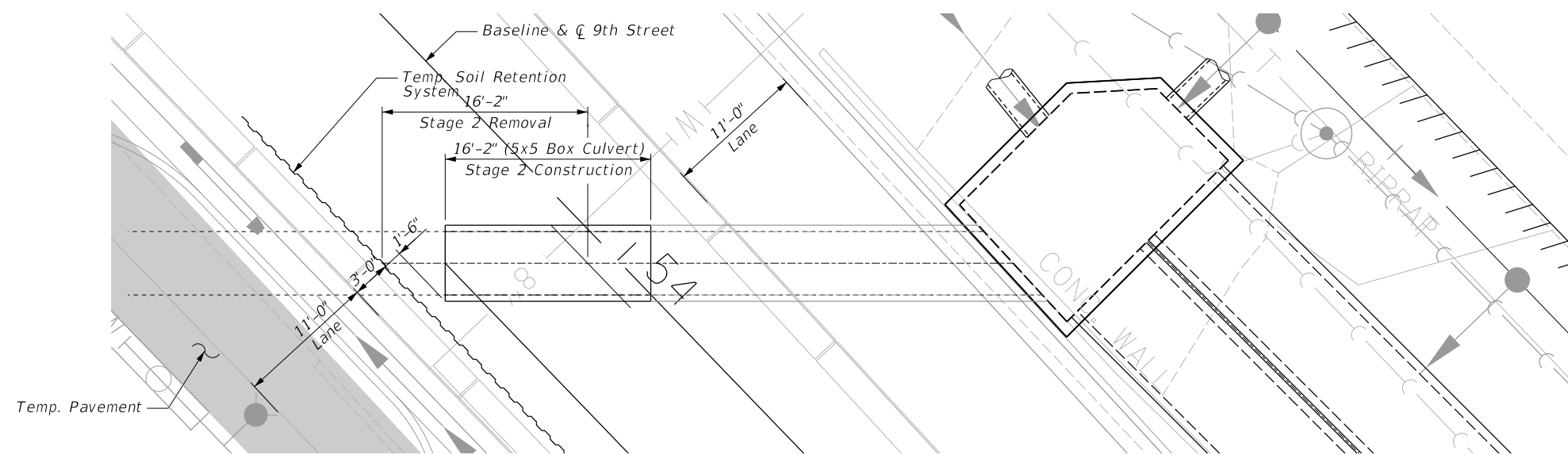
9TH STREET
PROPOSED BOX CULVERT
WILL COUNTY

NOTE: Staking Contractor shall Adjust/ Install Castings to be Flush with Finished Grade.

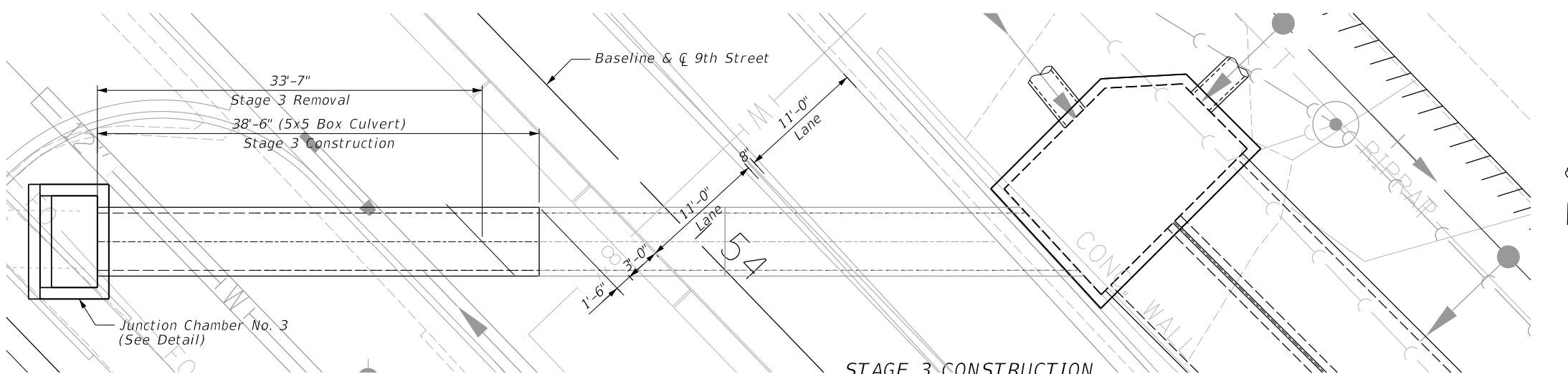
CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 159th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2860	USER NAME = aschaefer	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	E. 9TH STREET (IL RT 7) GENERAL PLAN AND ELEVATION	F.A.P. R.T.E. = 351	SECTION = 18-00084-00-WR	COUNTY = WILL	TOTAL SHEETS = 211	SHEET NO. = 157
	PLOT SCALE = 6'	CHECKED - MM	REVISED -			SCALE: \$SCALE\$	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61H98	
PLOT DATE = 11/9/2023	DATE = 11/9/2023	REVISED -	REVISED -							



STAGE 1 CONSTRUCTION



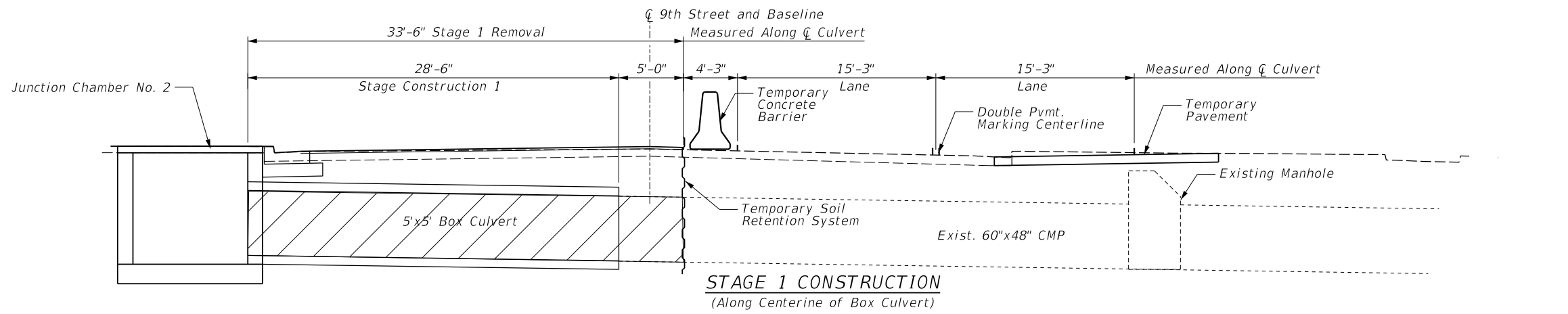
STAGE 2 CONSTRUCTION



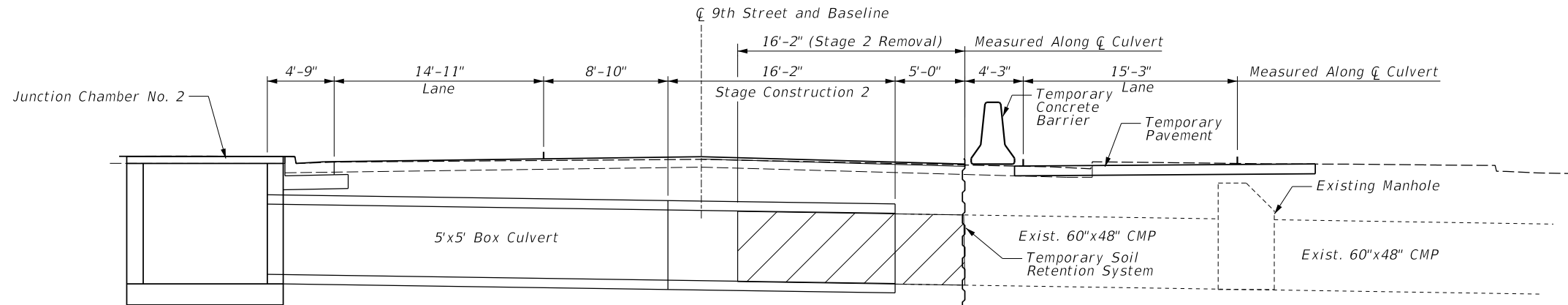
STAGE 3 CONSTRUCTION

NOTE:

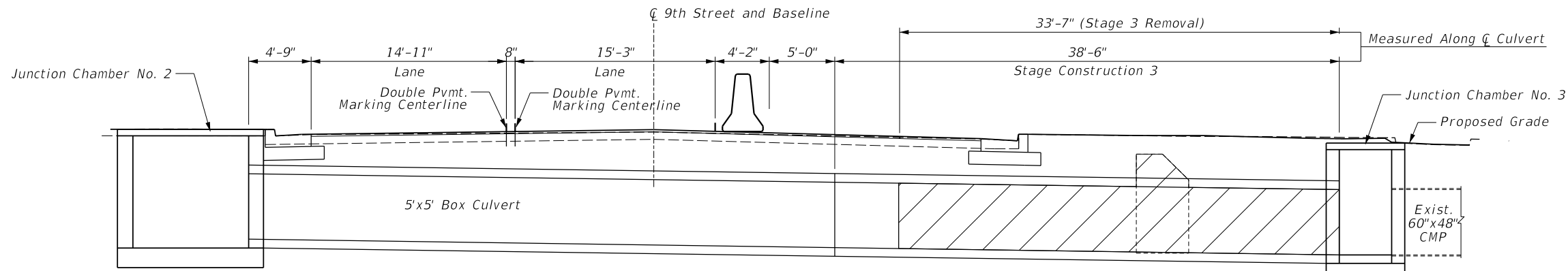
1. Contractor shall coordinate with Precast Box Culvert Manufacturer to account for possible creep between box segments. Creep shall be determined prior to constructing second Cast-in-Place end section. Shall include all pump, hoses, temporary sewer connections, etc.. necessary. At no time should water be diverted to the roadway pavement. Cost shall be included with "Precast Box Culvert".



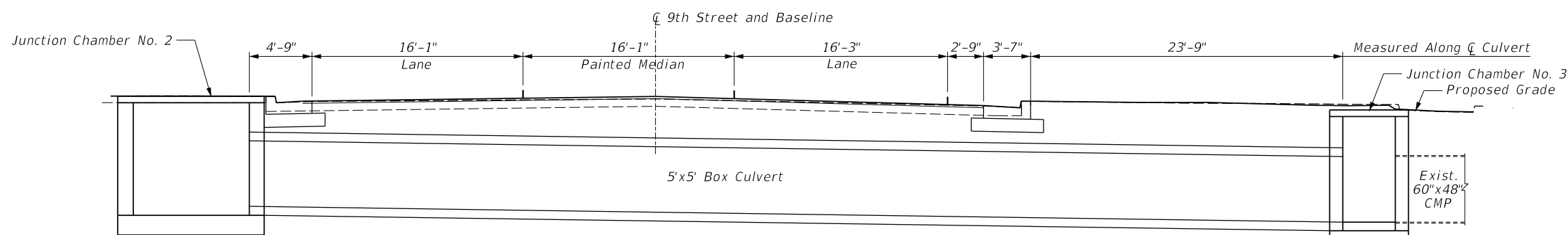
STAGE 1 CONSTRUCTION
(Along Centerline of Box Culvert)



STAGE 2 CONSTRUCTION
(Along Centerline of Box Culvert)



STAGE 3 CONSTRUCTION
(Along Centerline of Box Culvert)

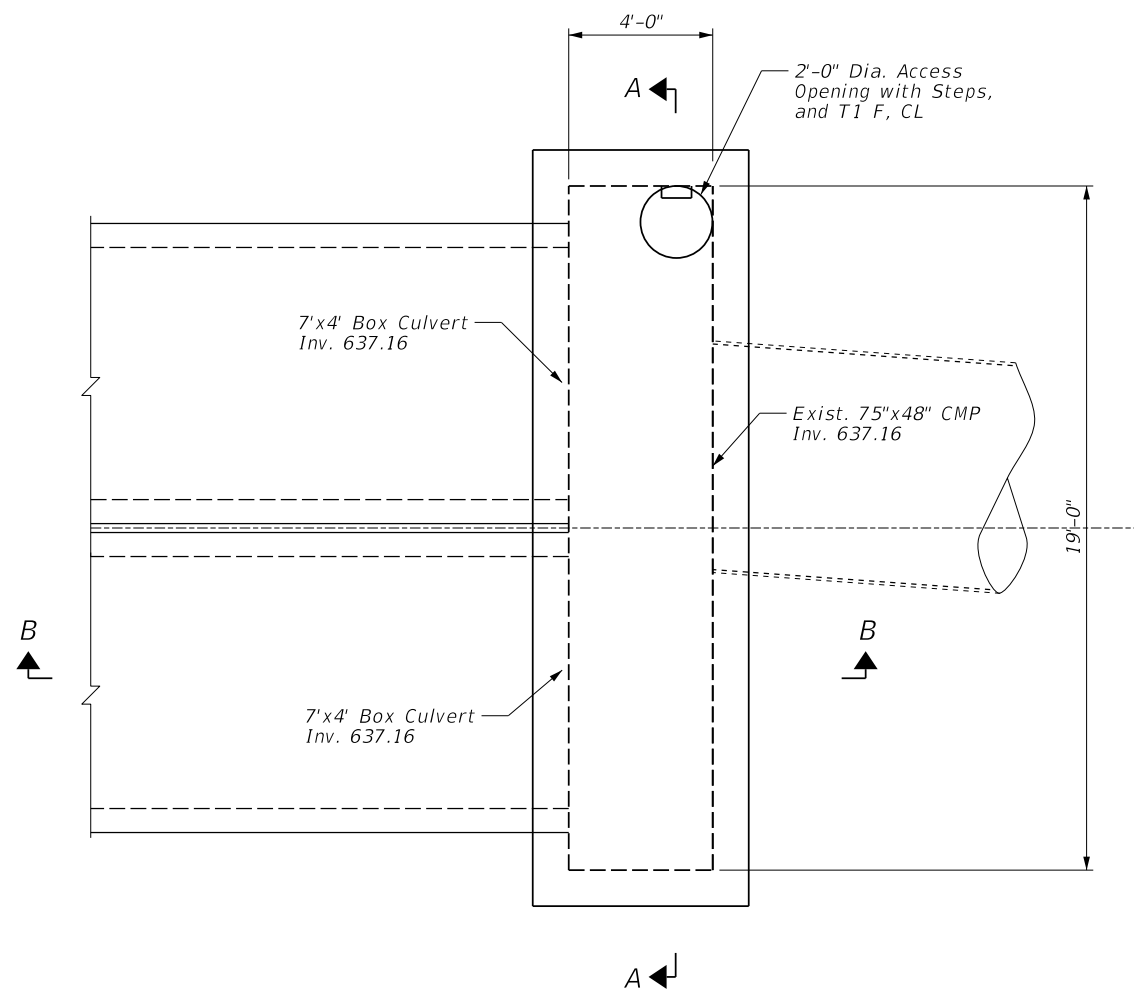


FINAL CROSS SECTION
(Along Centerline of Box Culvert)

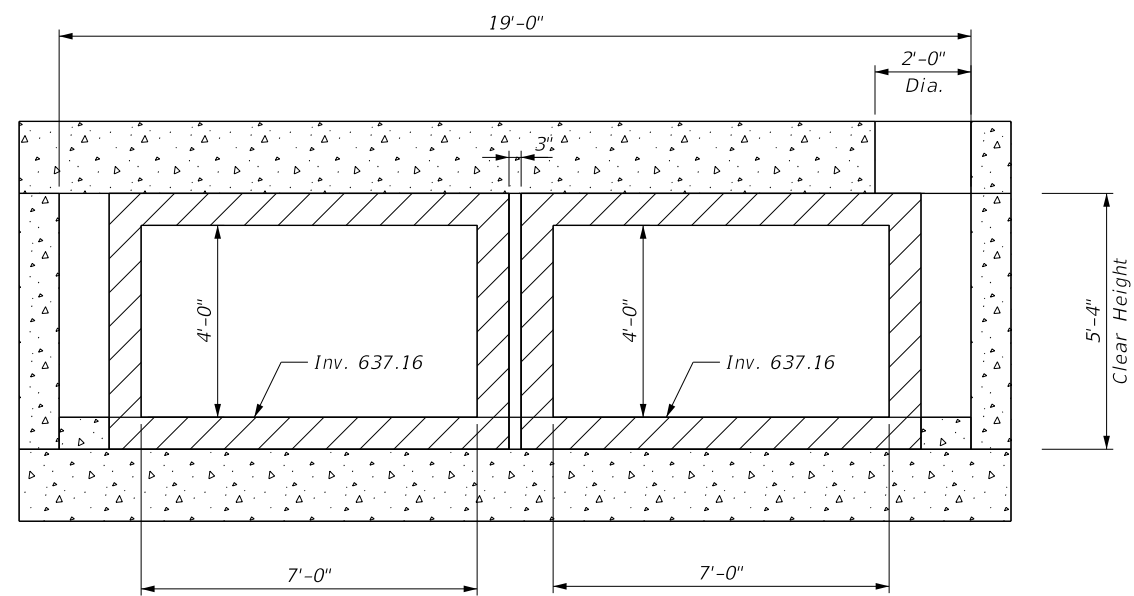
 Existing Culvert Removal

USER NAME = aschaefer	DESIGNED - MM	REVISED -
PLOT SCALE = 1"	DRAWN - PDR	REVISED -
PLOT DATE = 11/9/2023	CHECKED - MM	REVISED -
	DATE - 11/9/2023	REVISED -

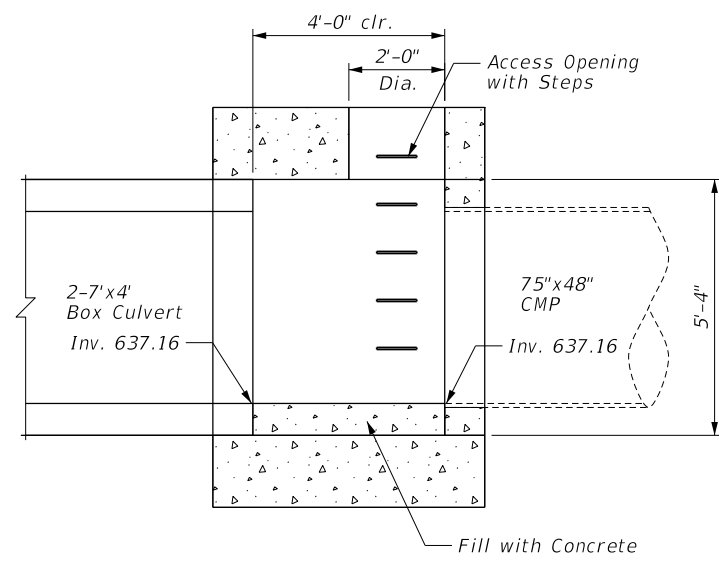
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	159
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				



PLAN-JUNCTION CHAMBER No. 1



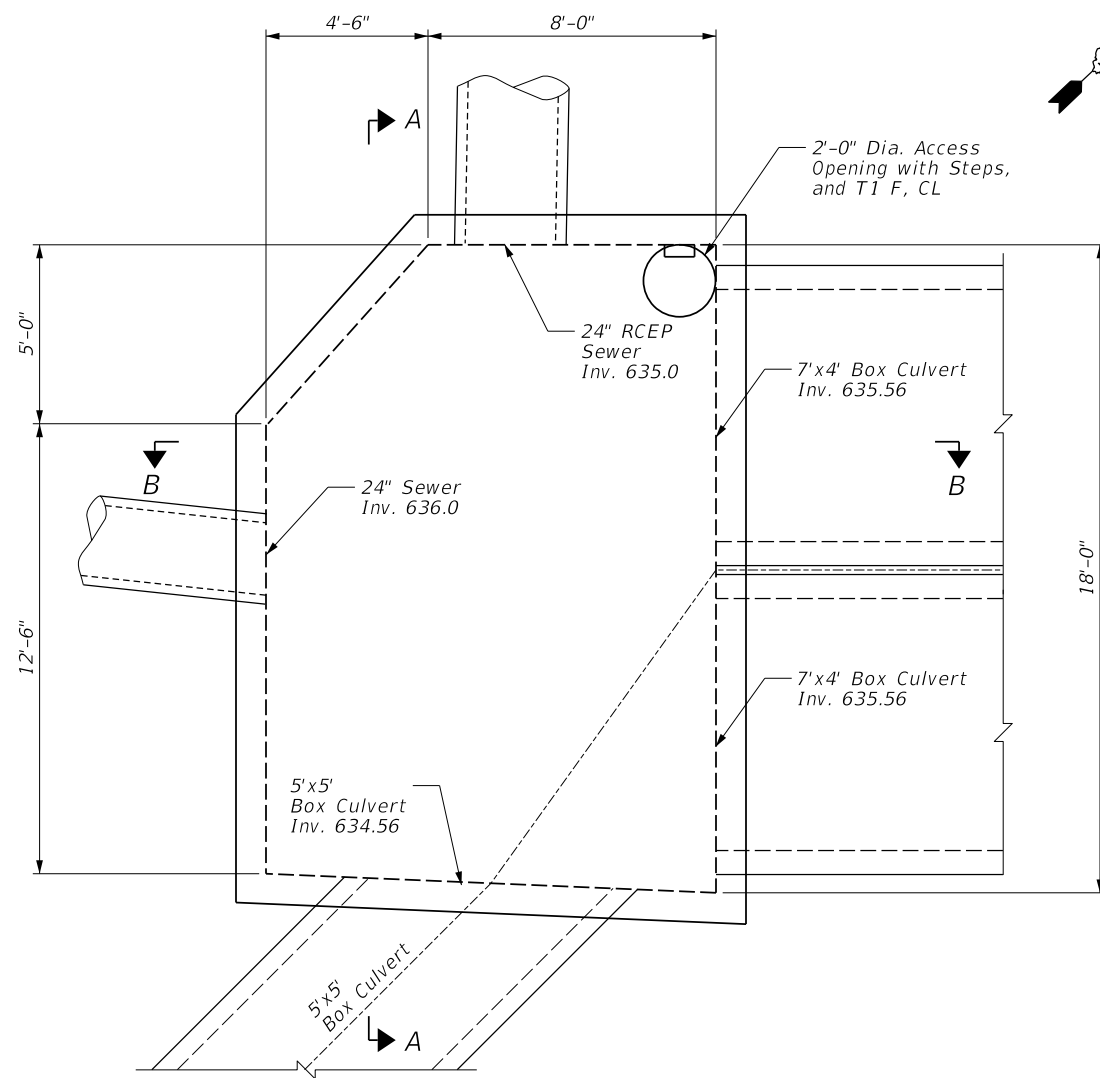
SECTION A-A



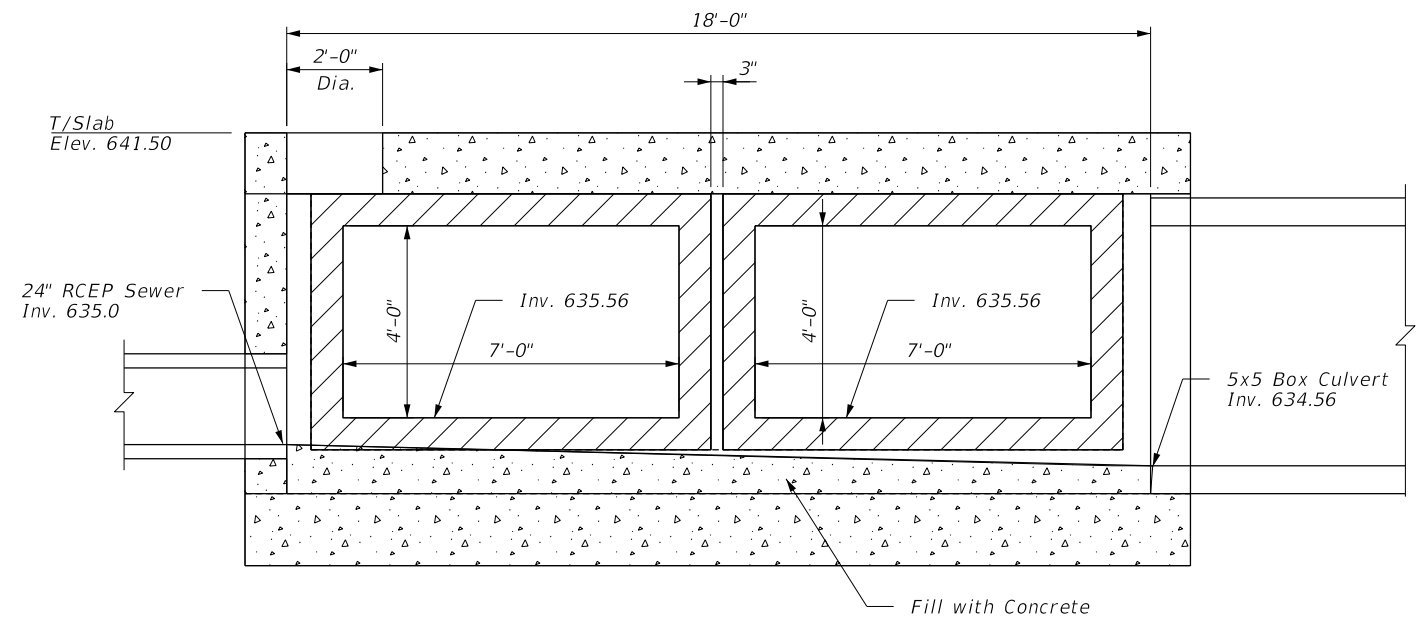
SECTION B-B

USER NAME = aschaefer	DESIGNED - MM	REVISED -
PLOT SCALE = 3'	DRAWN - PDR	REVISED -
PLOT DATE = 11/9/2023	CHECKED - MM	REVISED -
	DATE - 11/9/2023	REVISED -

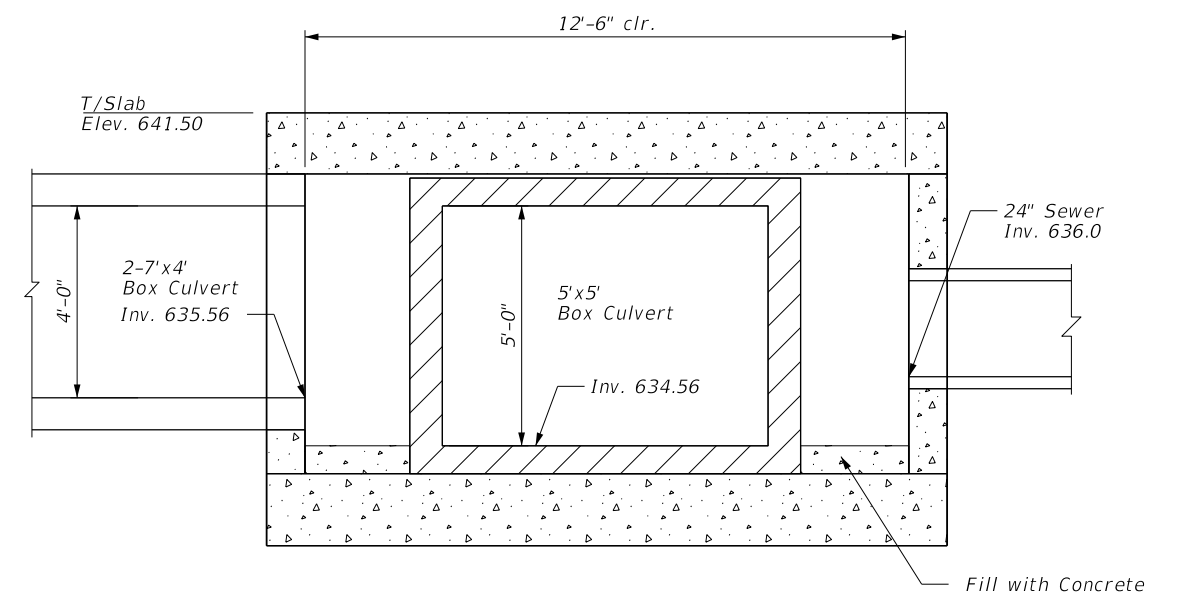
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	160
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				



PLAN-JUNCTION CHAMBER No. 2



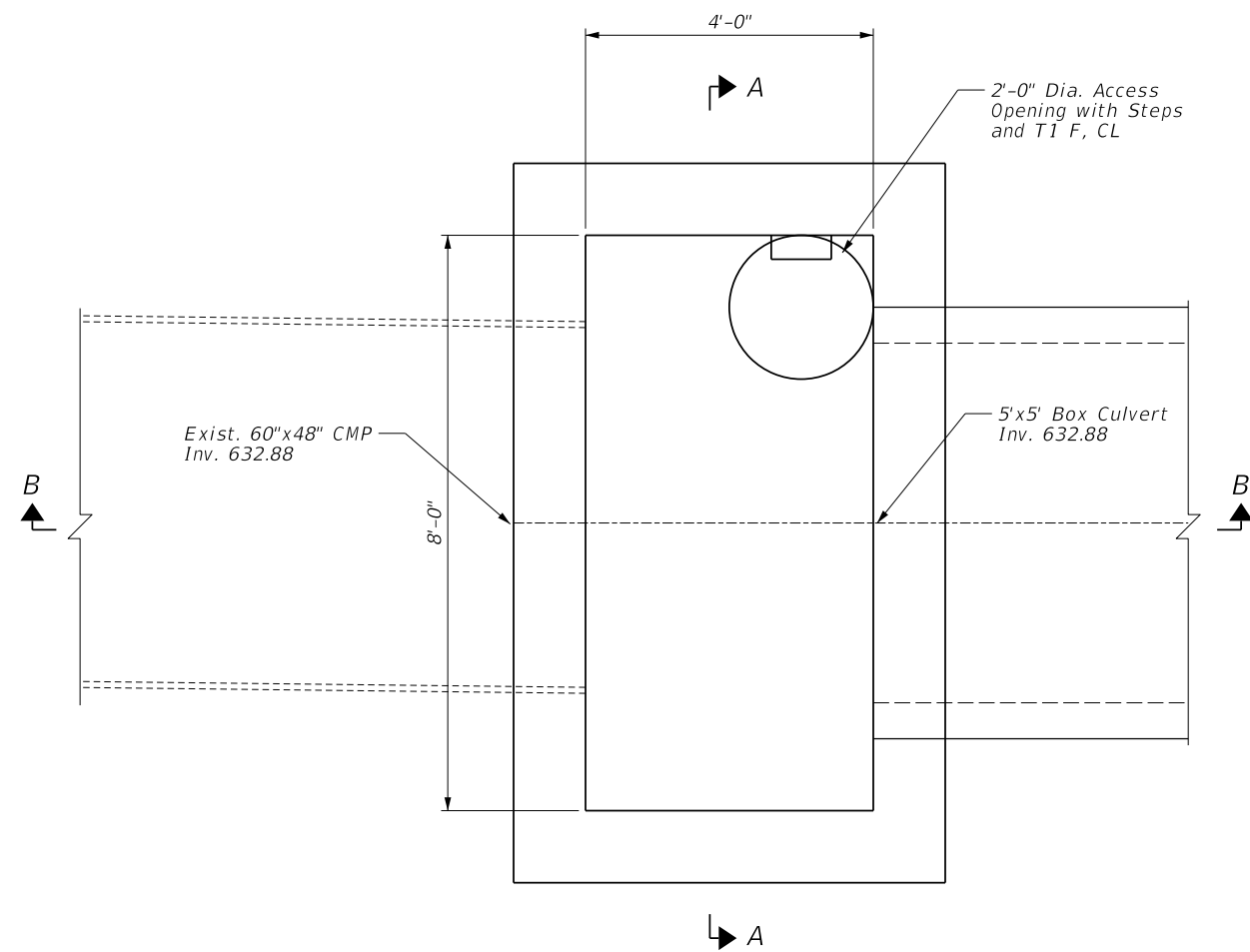
SECTION A-A



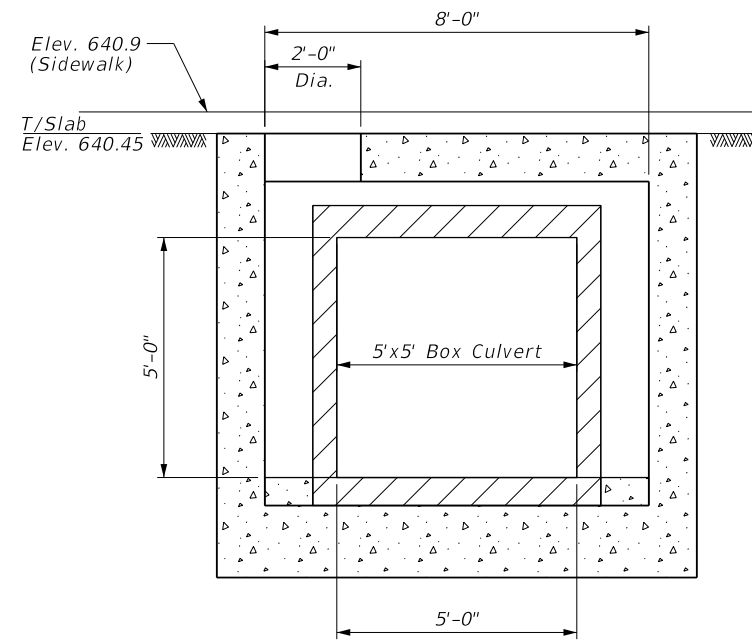
SECTION B-B

USER NAME = aschaefer	DESIGNED - MM	REVISED -
DRAWN - PDR	REVISIONS -	
PLOT SCALE = 3'	CHECKED - MM	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

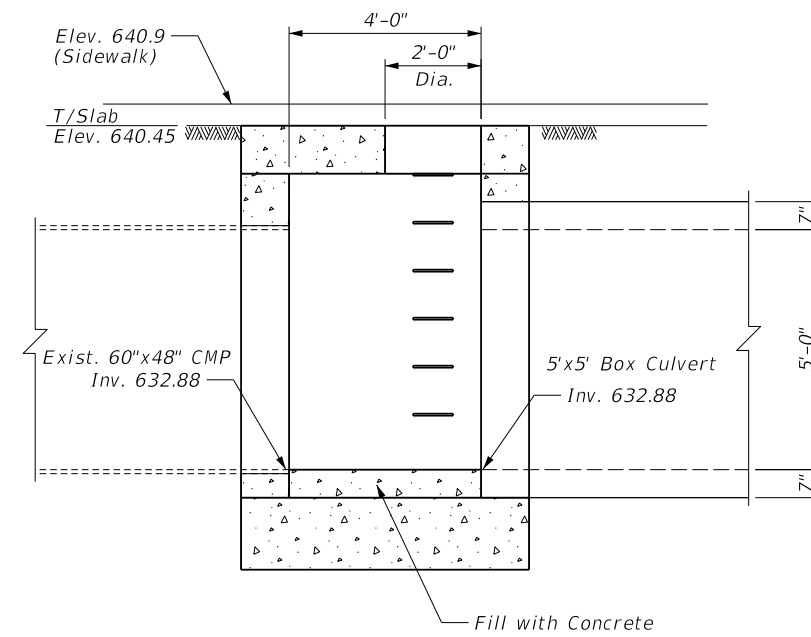
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	161
CONTRACT NO. 61H98			ILLINOIS FED. AID PROJECT	



PLAN-JUNCTION CHAMBER No. 3



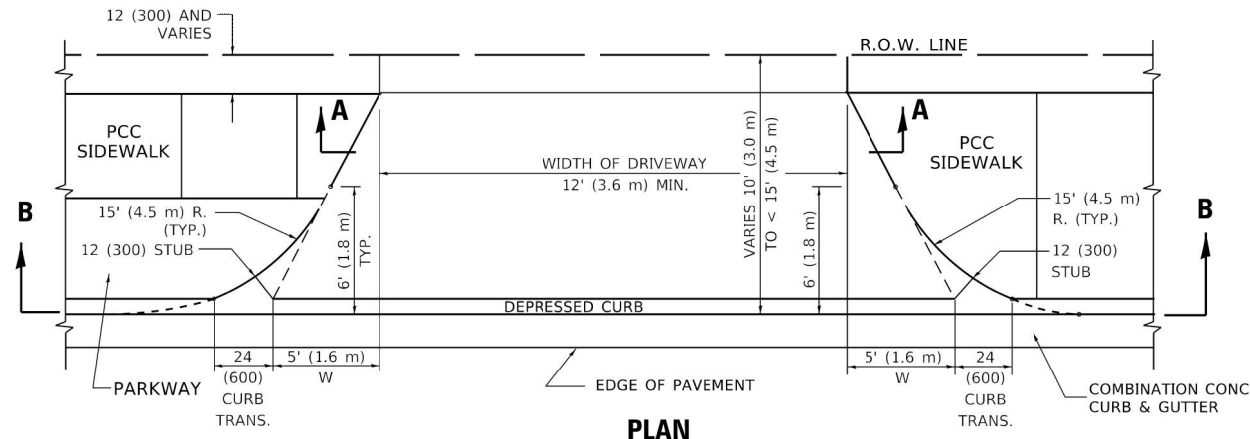
SECTION A-A



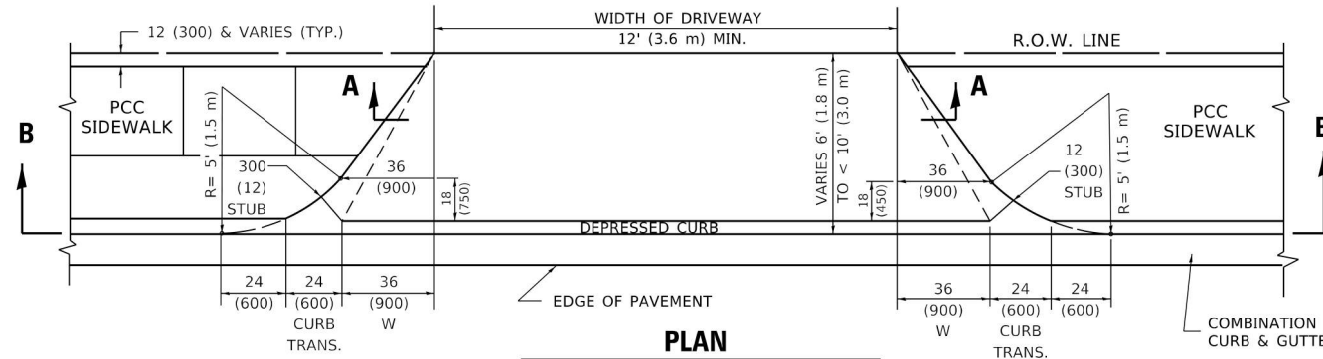
SECTION B-B

USER NAME = aschaefer	DESIGNED - MM	REVISED -
PLOT SCALE = 1"	DRAWN - PDR	REVISED -
PLOT DATE = 11/9/2023	CHECKED - MM	REVISED -
	DATE - 11/9/2023	REVISED -

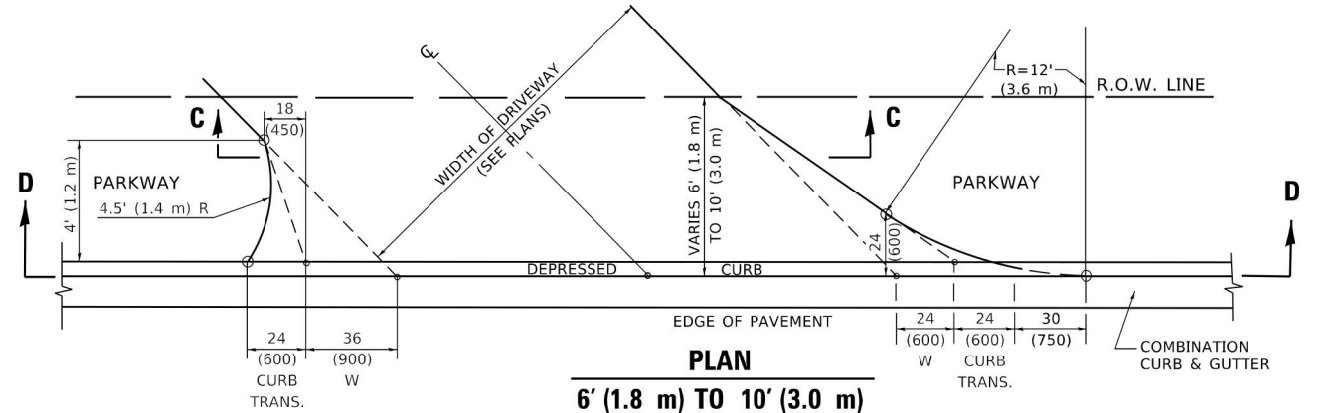
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	162
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				



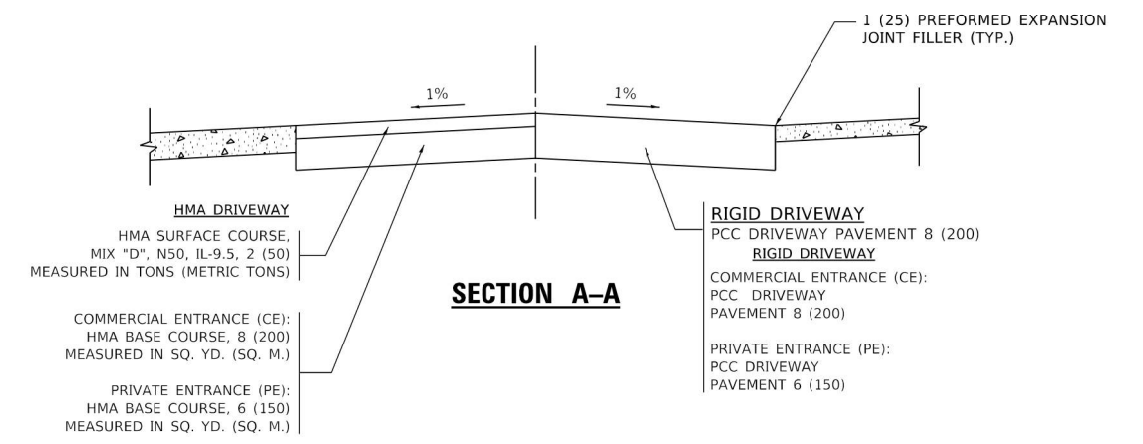
PLAN
10' (3.0 m) TO < 15' (4.5 m)



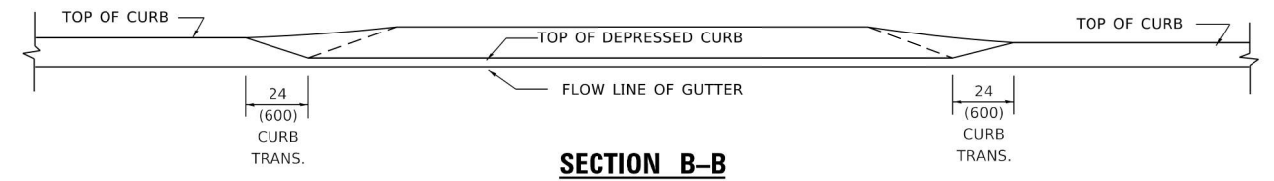
PLAN
6' (1.8 m) TO < 10' (3.0 m)



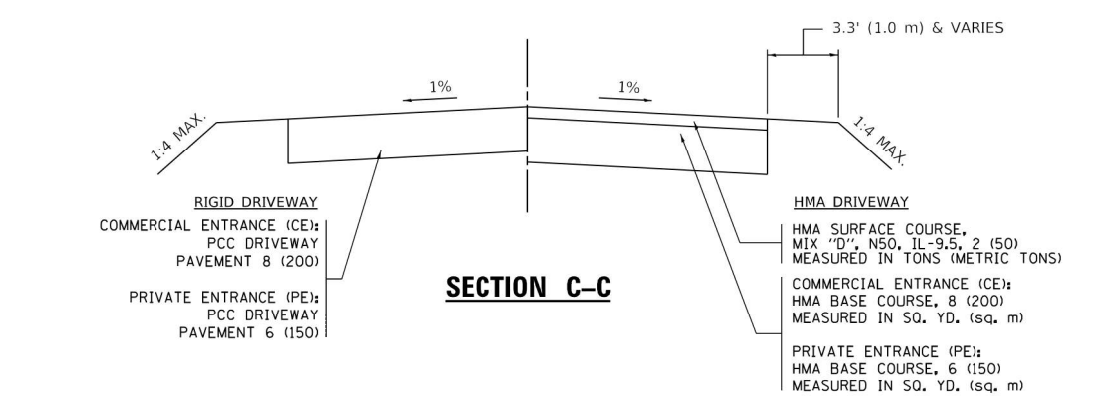
PLAN
6' (1.8 m) TO 10' (3.0 m)



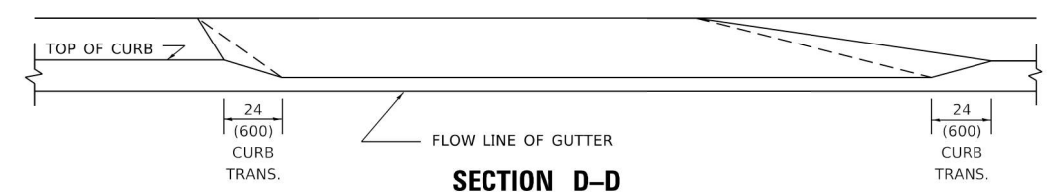
SECTION A-A



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.

MODEL: DW0417
FILE NAME: D:\V\dot\paw\berkeley.com\PW\DOT\Documents\1\DOT\Office\District_1\Projects\Dis\51622\23\CA\00000000000002.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-06-11
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 08-27-19
		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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-02 (BD-02)			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2860

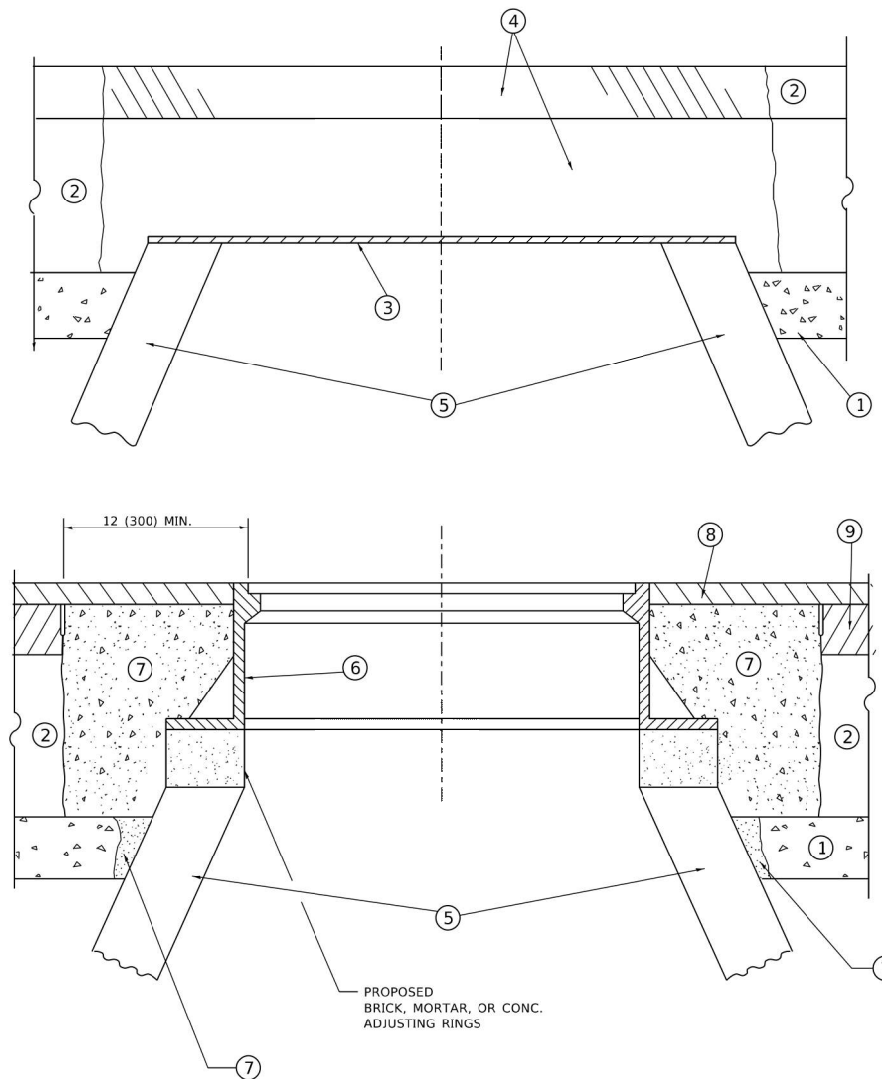
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
DISTRICT 1 STANDARDS**

SHEET 2 OF 14 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	164
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H98	



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.

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. 1 1/2 (40) 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-1 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-1 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

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PLOT SCALE = 100.0000 " / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - R. BORO 12-06-11
		REVISED - K. SMITH 11-18-22

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD600-03 (BD-08)			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

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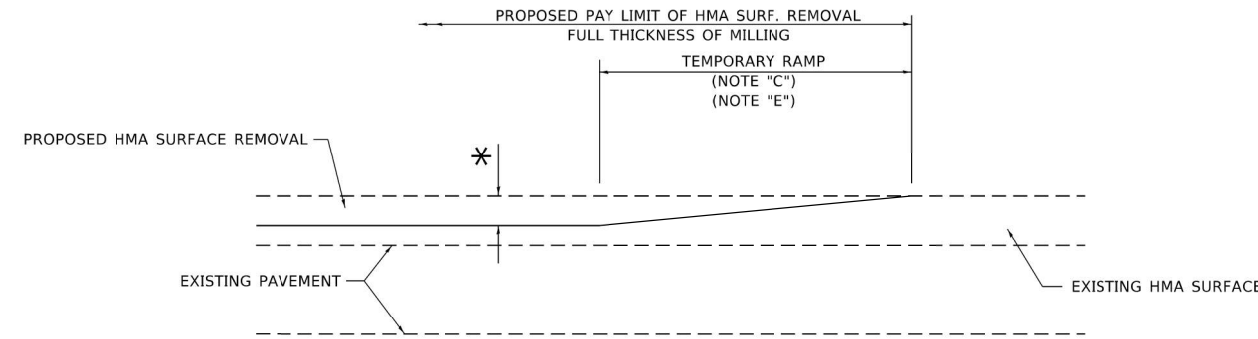
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PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
DISTRICT 1 STANDARDS**

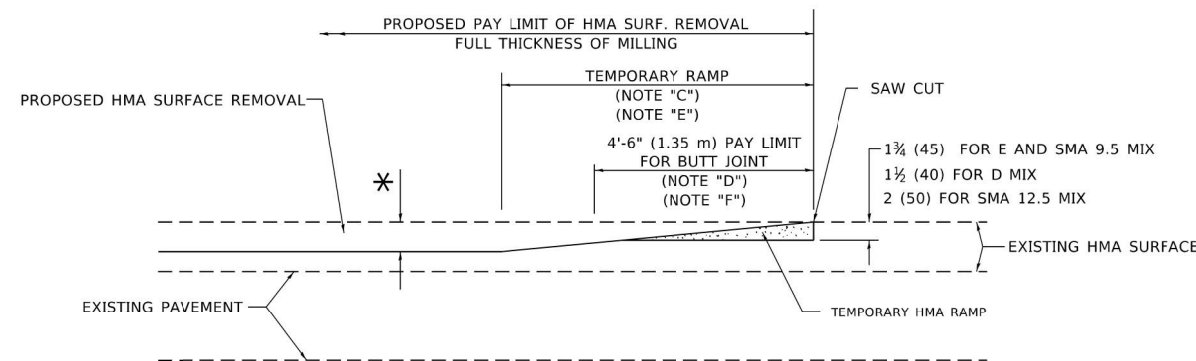
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	165
			CONTRACT NO. 61H98	
ILLINOIS			FED. AID PROJECT	



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

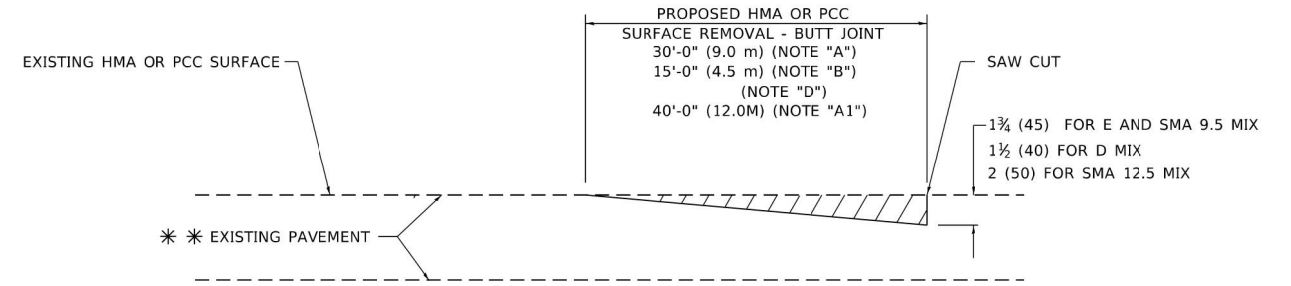
OPTION 1



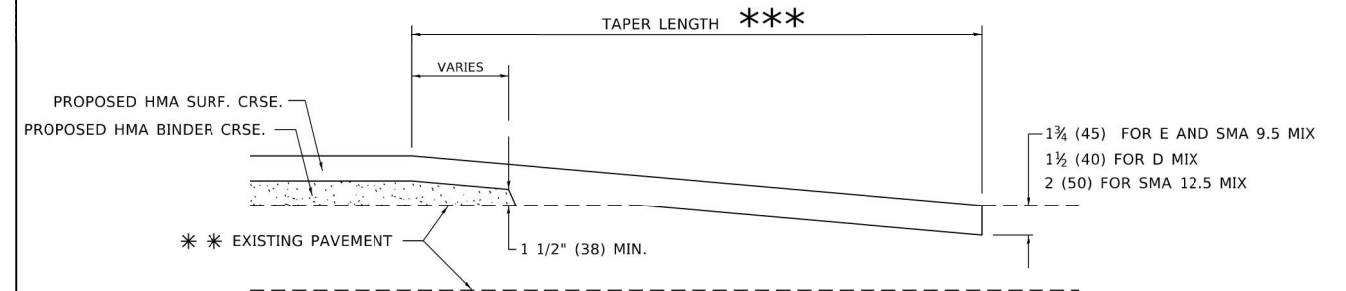
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



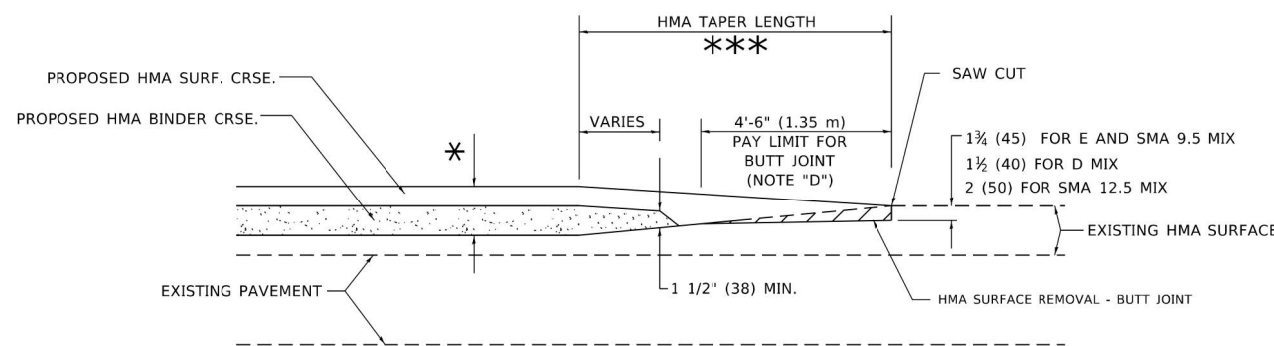
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

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PLOT SCALE = 100.0000" / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - R. BORO 01-01-07
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD400-05	BD-32			
SCALE: NONE			SHEET 1 OF 1 SHEETS	STA. TO STA.
ILLINOIS			FED. AID PROJECT	

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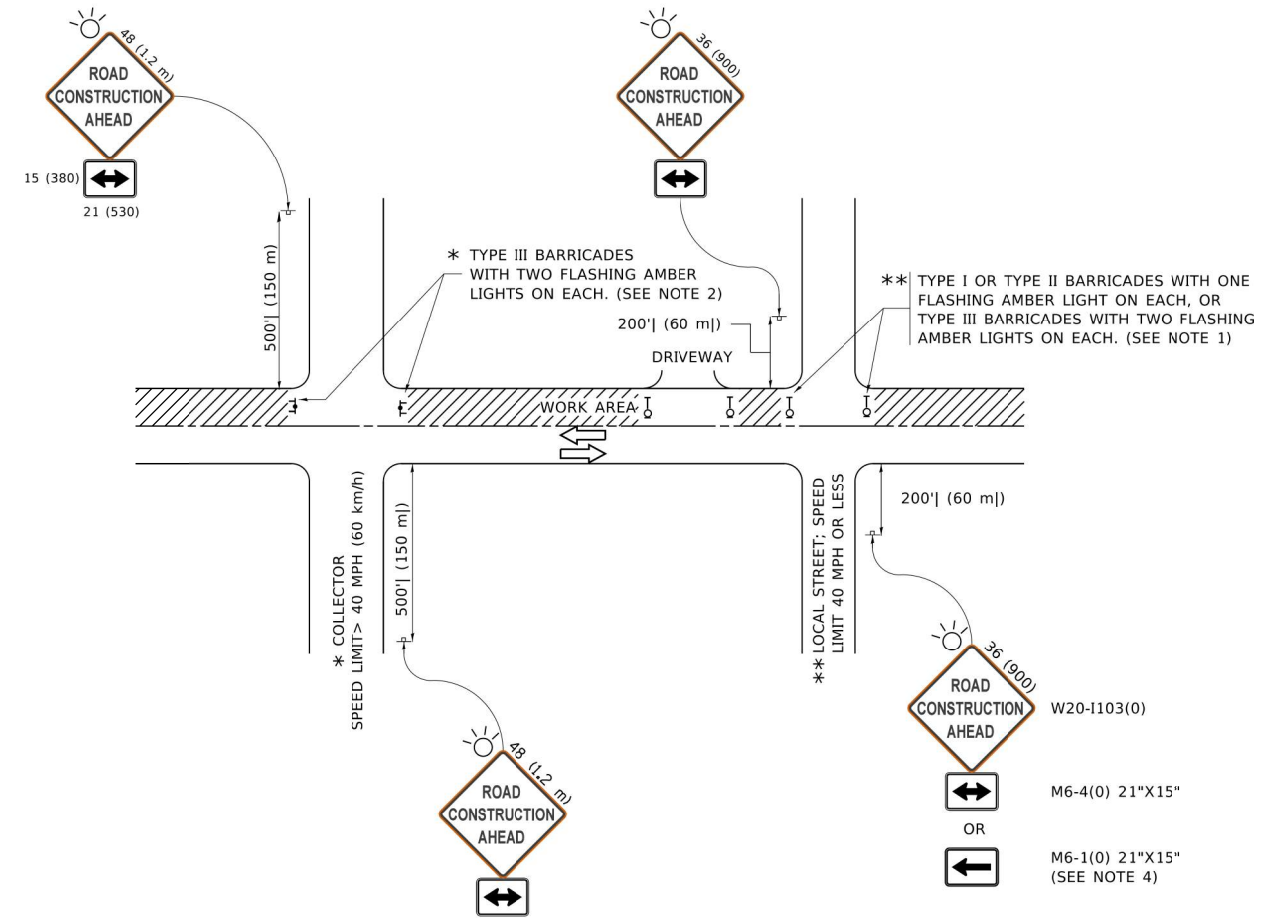
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PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

E. 9TH STREET (IL RT 7) DISTRICT 1 STANDARDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	167
SHEET 5 OF 14 SHEETS			STA.	TO STA.
ILLINOIS			FED. AID PROJECT	

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NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footernj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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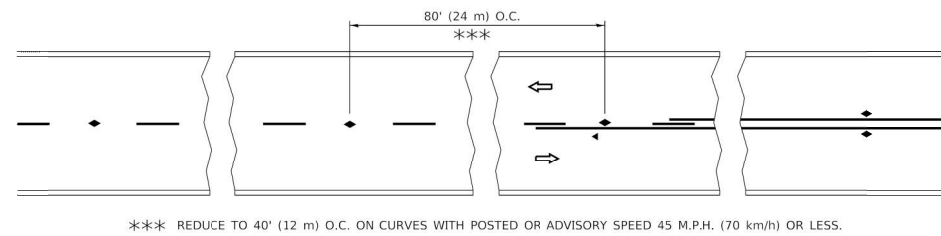
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

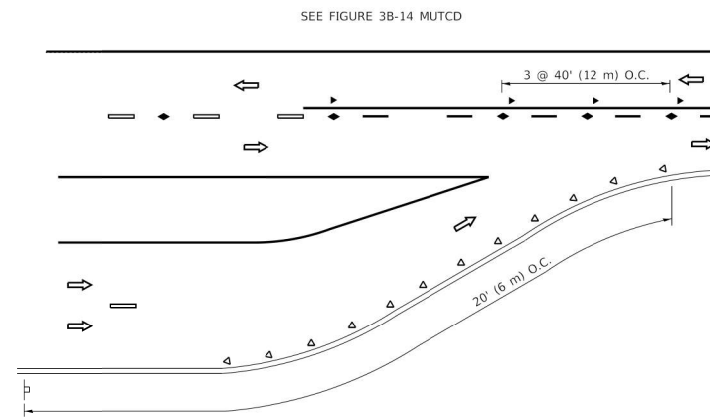
**E. 9TH STREET (IL RT 7)
DISTRICT 1 STANDARDS**

SHEET 7 OF 14 SHEETS STA. TO STA.

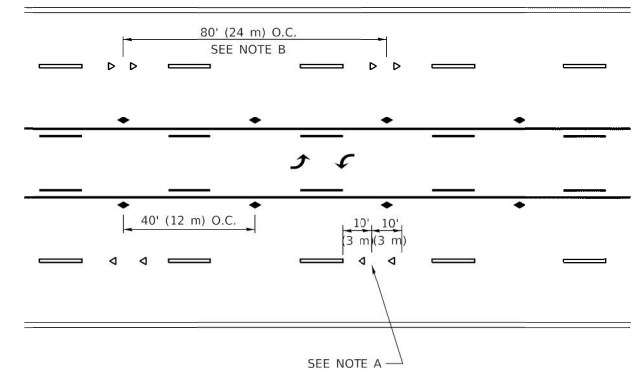
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351	18-00084-00-WR	WILL	211	169
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				



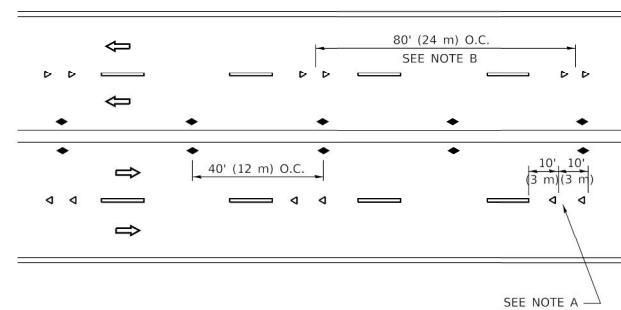
TWO-LANE/TWO-WAY



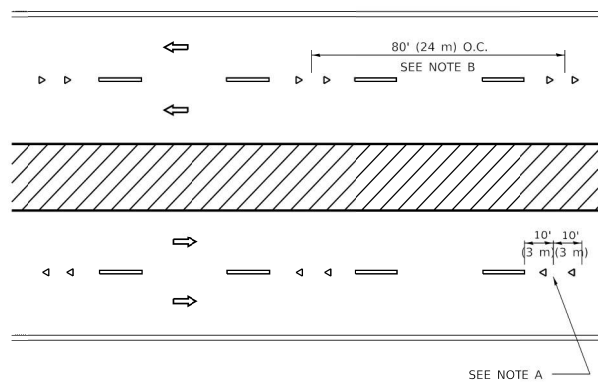
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

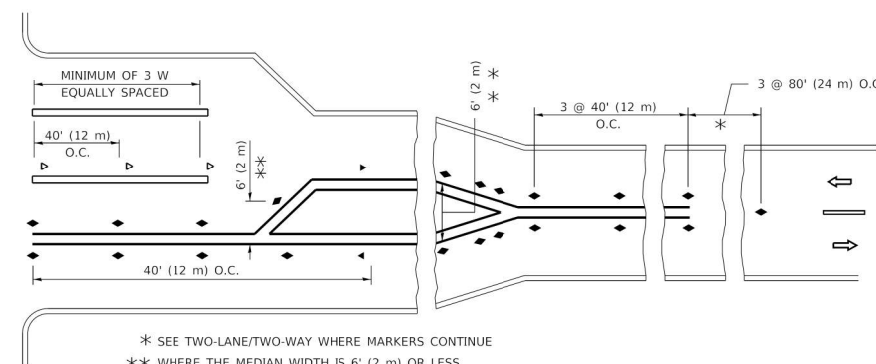
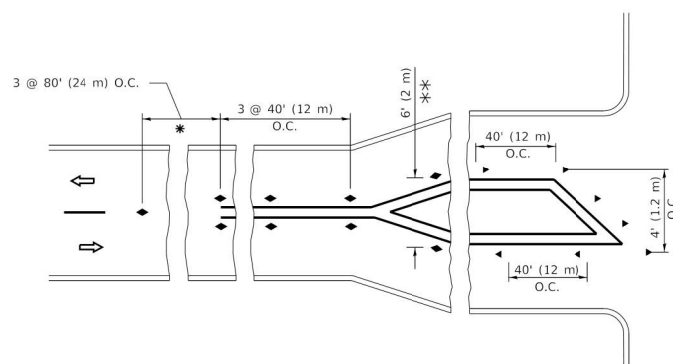
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-11			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

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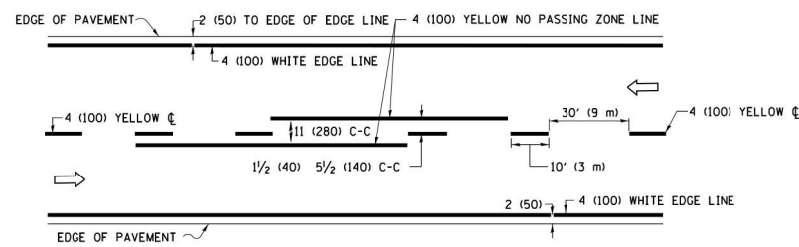
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	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

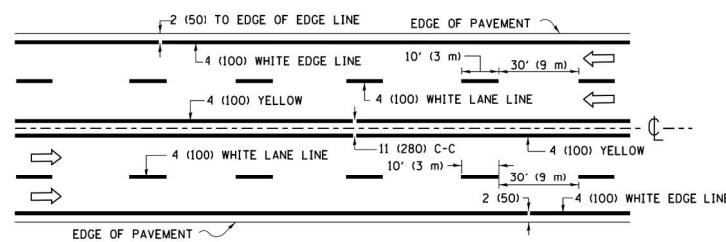
**E. 9TH STREET (IL RT 7)
DISTRICT 1 STANDARDS**

SHEET 8 OF 14 SHEETS STA. TO STA.

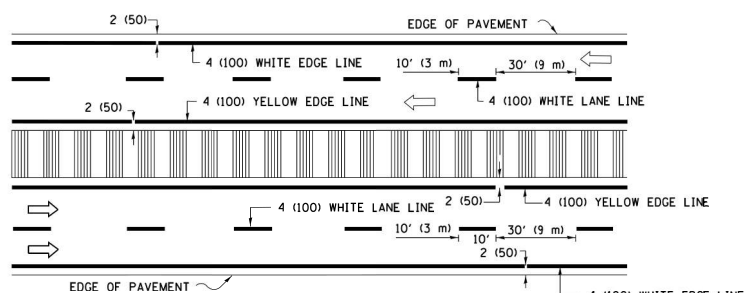
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	170
			CONTRACT NO. 61H98	
ILLINOIS			FED. AID PROJECT	



2-LANE ROADWAY

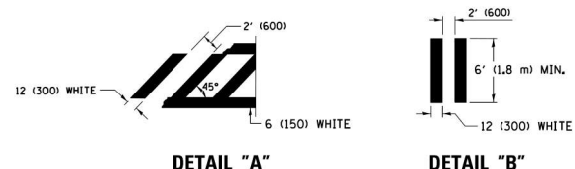
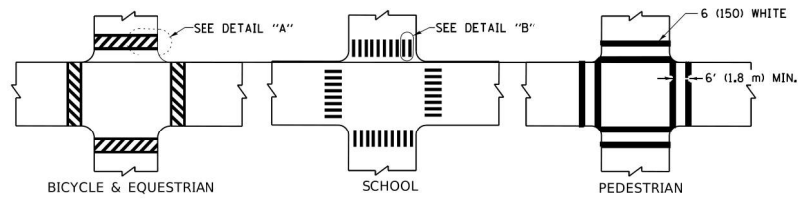


MULTI-LANE UNDIVIDED



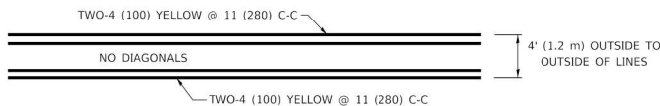
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

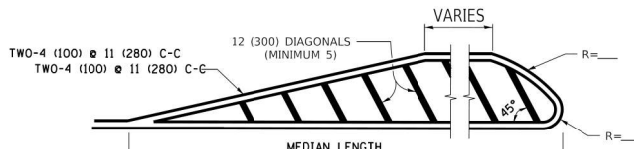


TYPICAL CROSSWALK MARKING

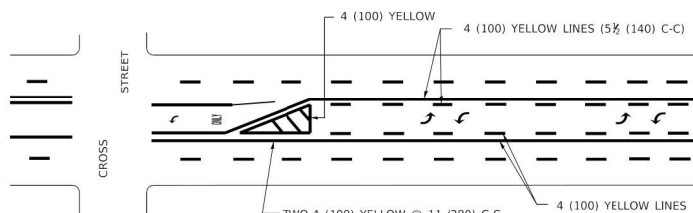
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



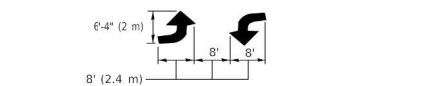
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

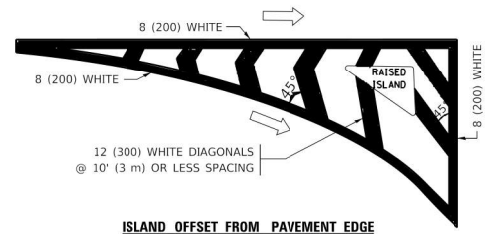


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

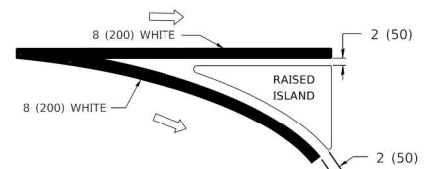


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

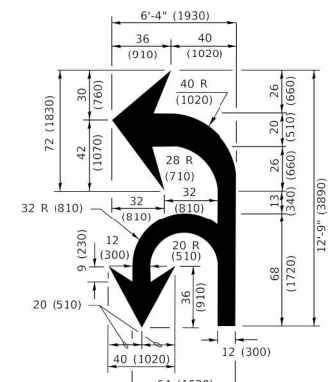


ISLAND OFFSET FROM PAVEMENT EDGE

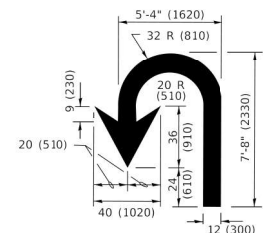


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=34.0 SQ. FT. (3.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-13		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2880

USER NAME = aschoefer	DESIGNED - AJ5	REVISED -
PLOT SCALE = N.T.S.	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

E. 9TH STREET (IL RT 7) DISTRICT 1 STANDARDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	171
		CONTRACT NO. 61H98		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

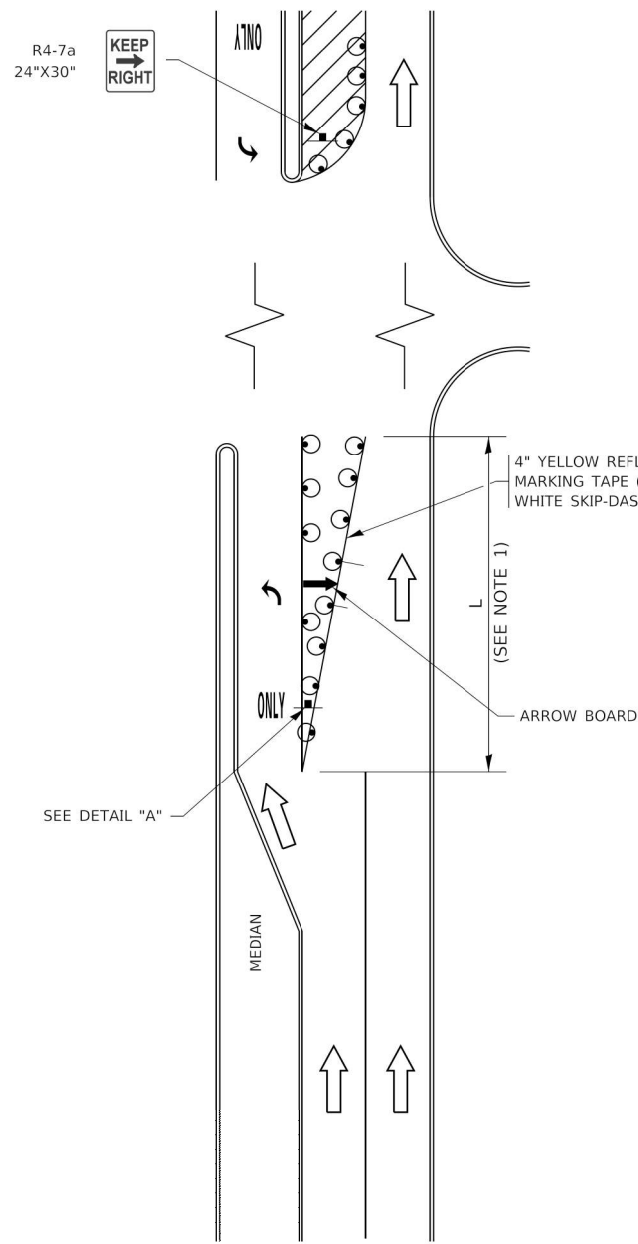


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

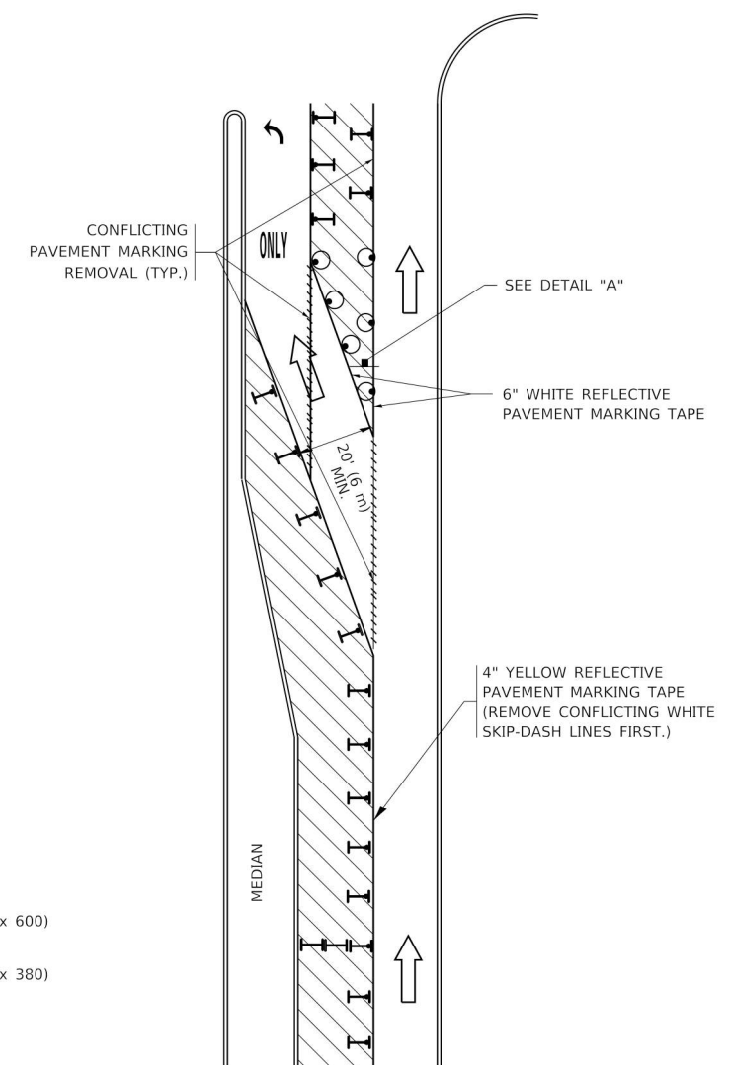


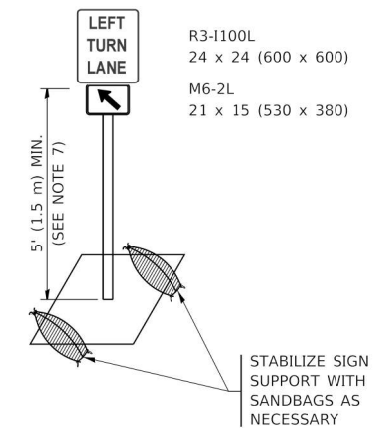
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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Lockport, Illinois 60441
(815) 770-2800

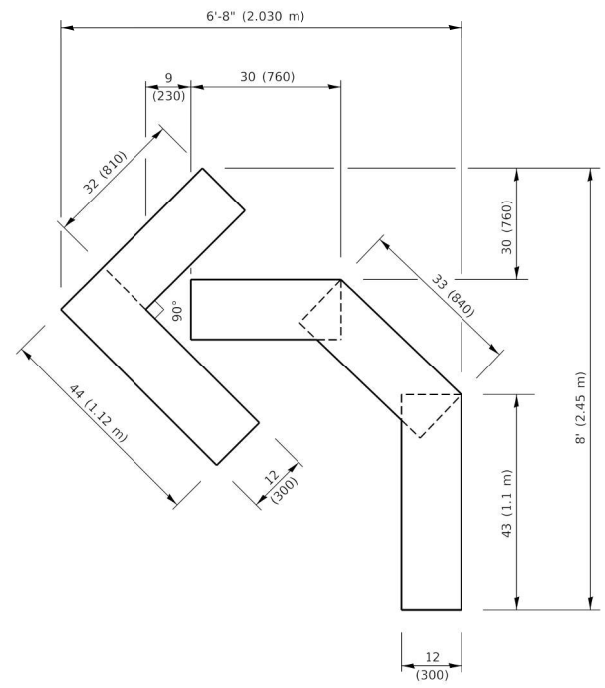
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	DATE - 11/9/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

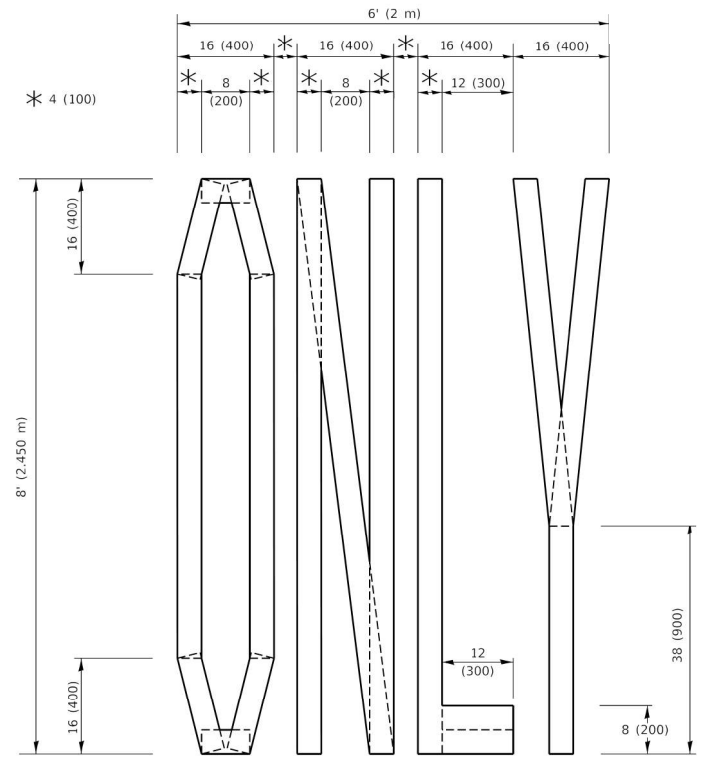
E. 9TH STREET (IL RT 7)
DISTRICT 1 STANDARDS

SHEET 10 OF 14 SHEETS STA. TO STA.

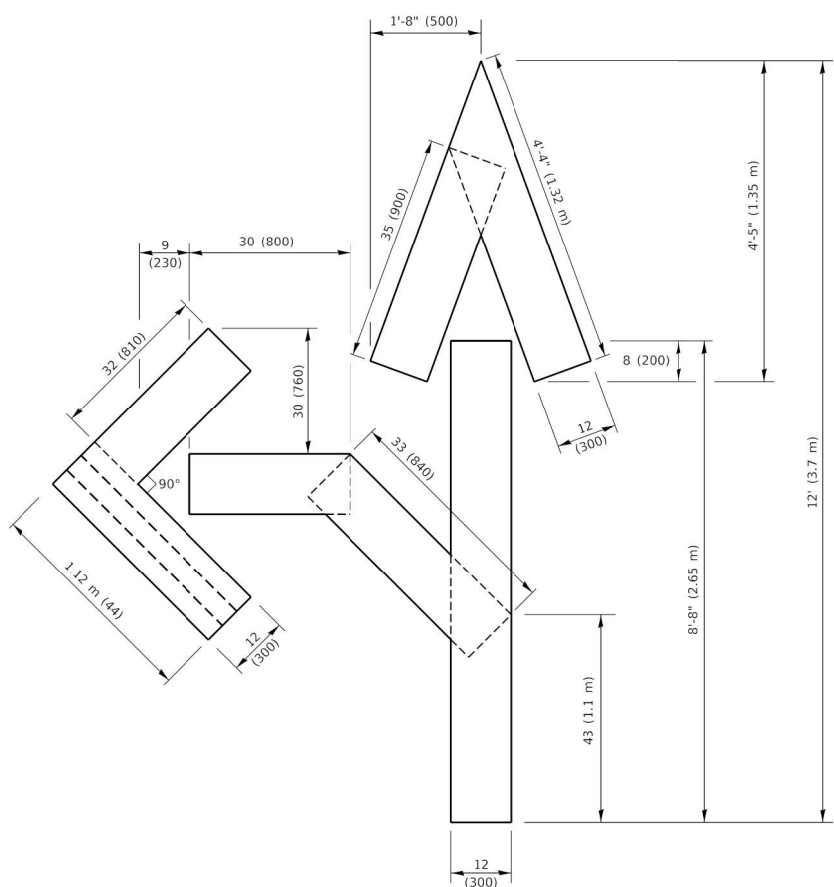
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	172
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H98	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

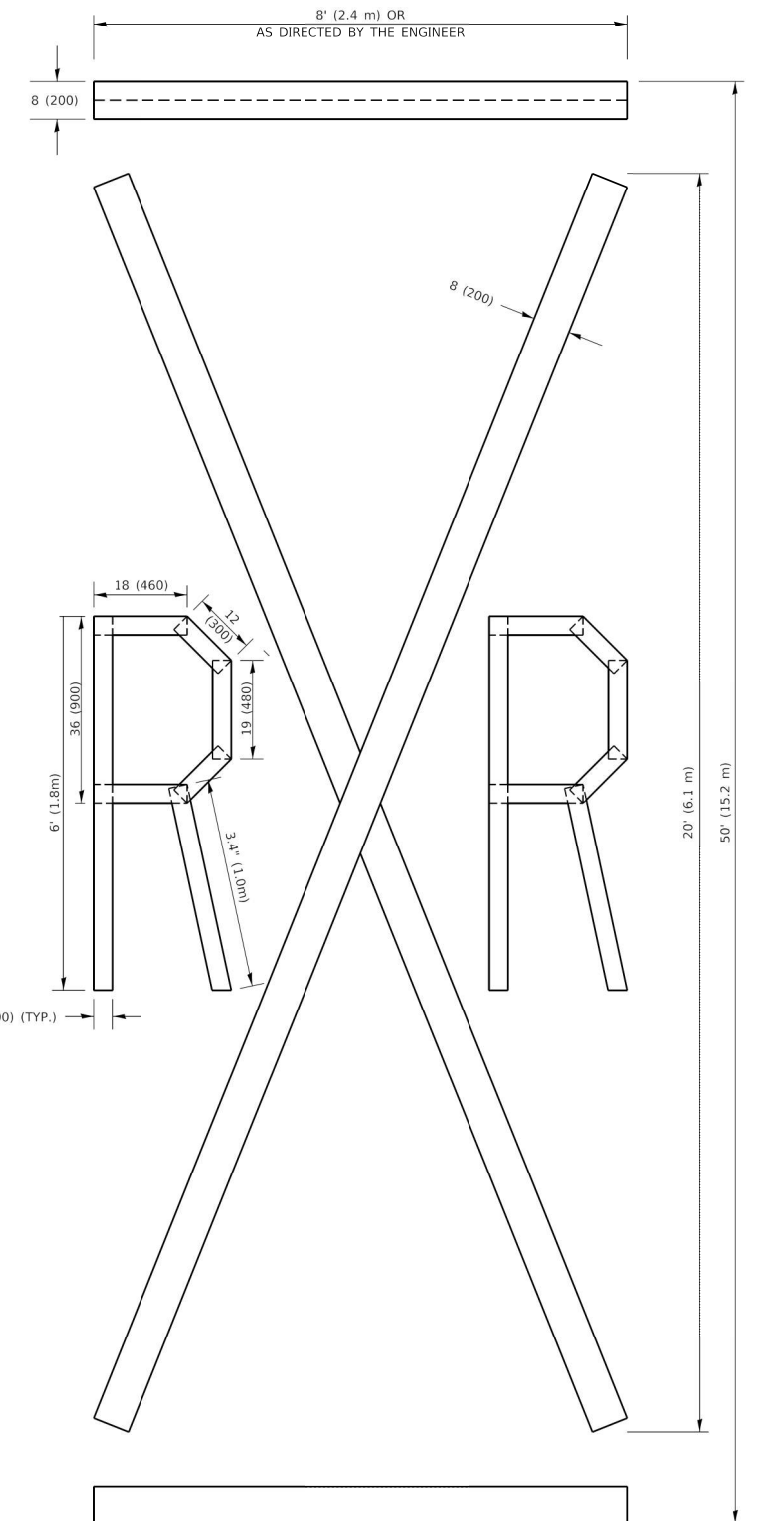


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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 (815) 770-2800

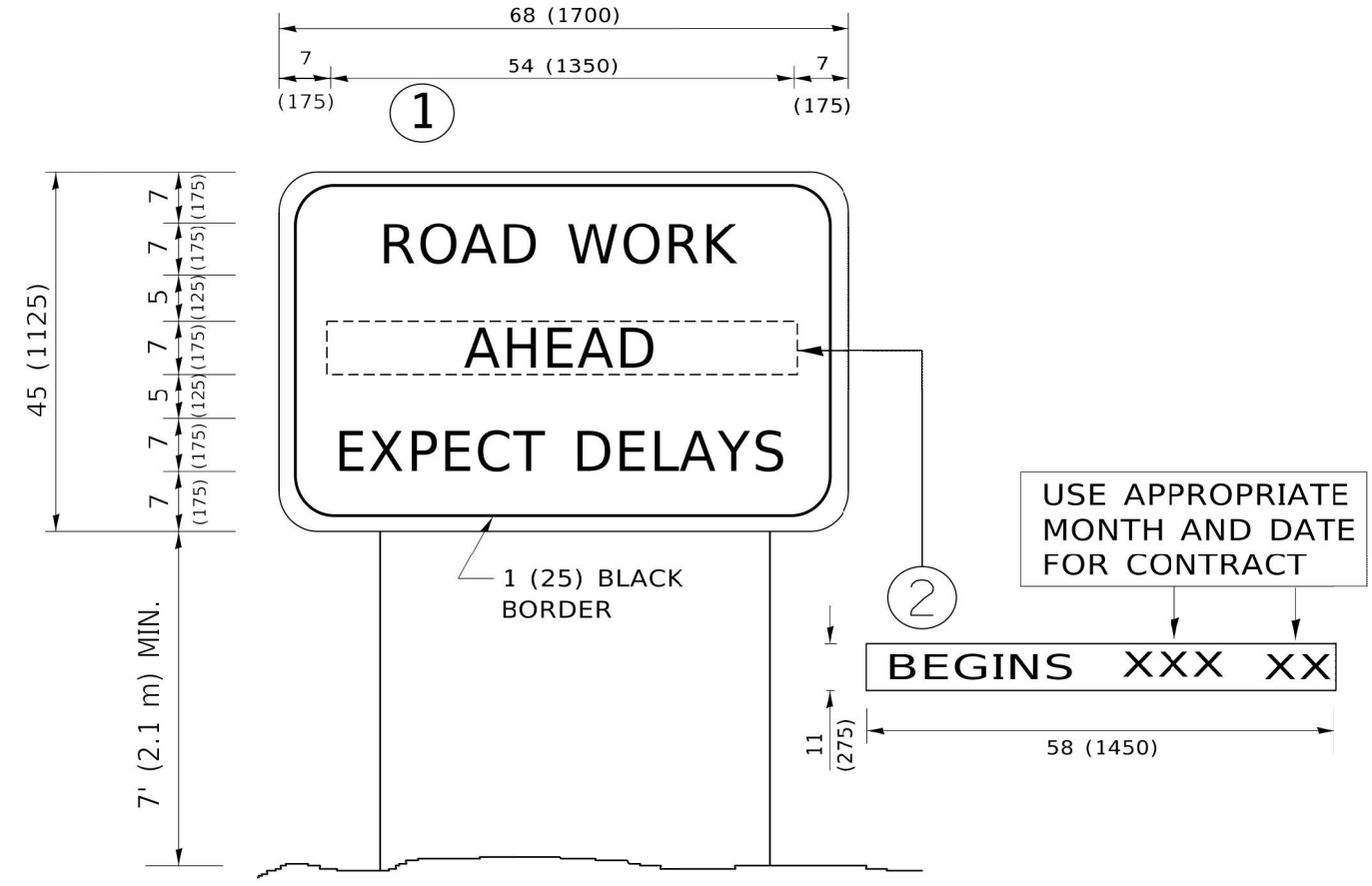
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PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 DISTRICT 1 STANDARDS**

SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	173
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

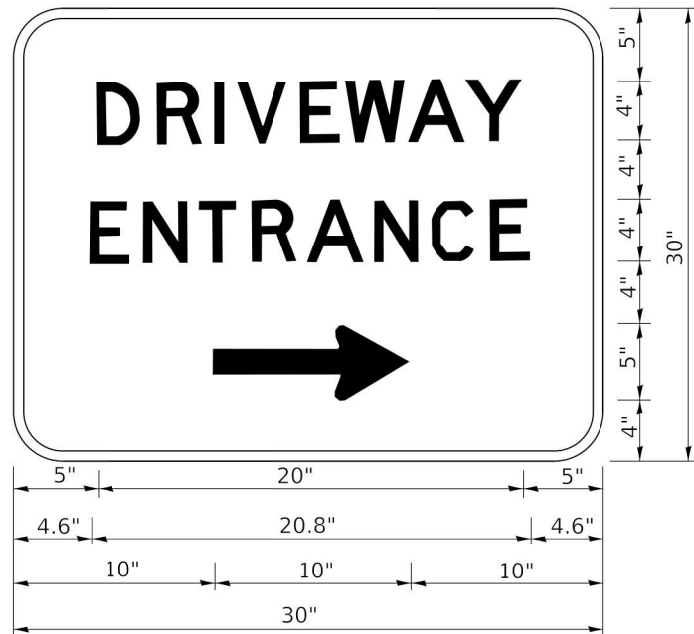
ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	TC-22 CONTRACT NO.		
ILLINOIS FED. AID PROJECT						

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 159th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2860

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
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PLOT SCALE =	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

E. 9TH STREET (IL RT 7) DISTRICT 1 STANDARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SHEET 12 OF 14 SHEETS	STA.	TO STA.	351 18-00084-00-WR WILL 211 174 CONTRACT NO. 61H98		
ILLINOIS FED. AID PROJECT						



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-26			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

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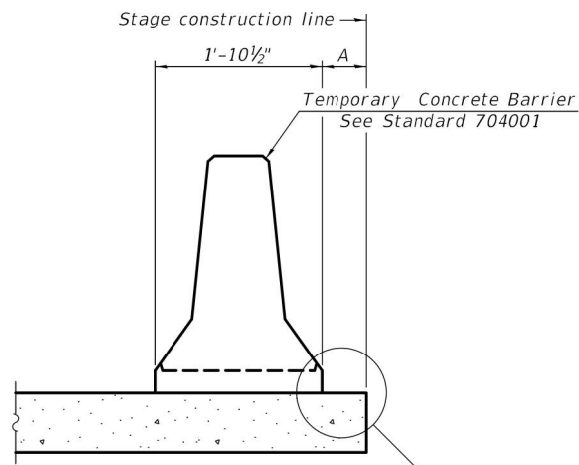
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 DISTRICT 1 STANDARDS**

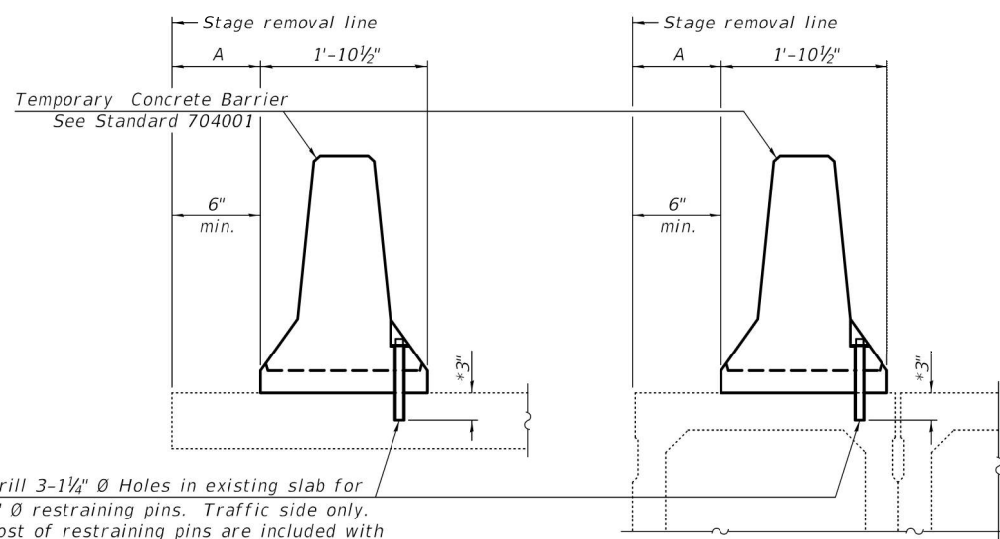
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351	18-00084-00-WR	WILL	211	175
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

SHEET 13 OF 14 SHEETS STA. TO STA.



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

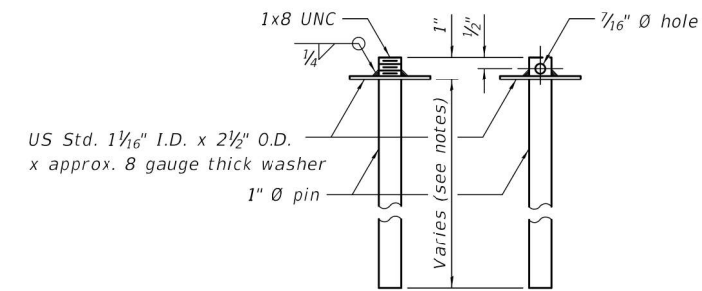
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

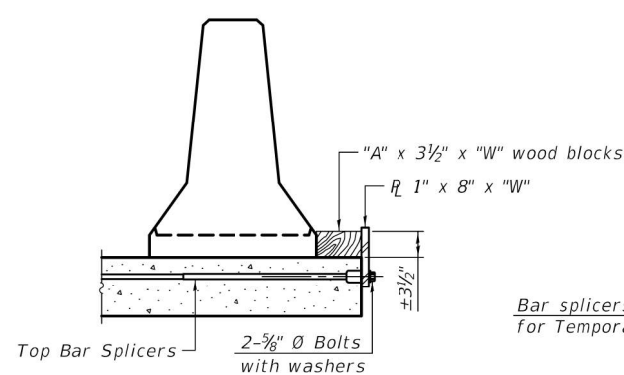
EXISTING SLAB

EXISTING DECK BEAM

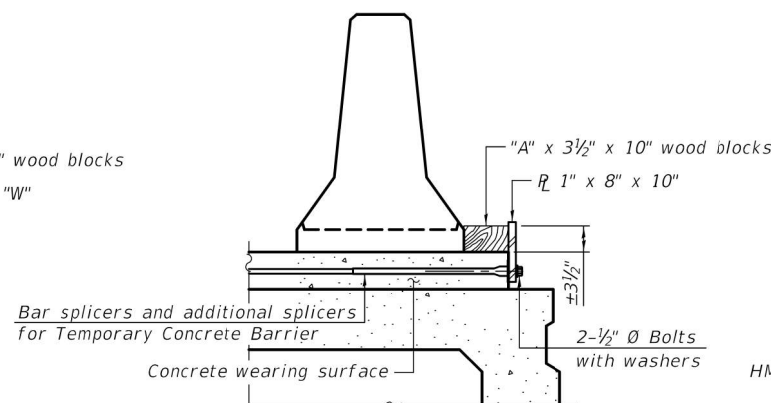


RESTRAINING PIN

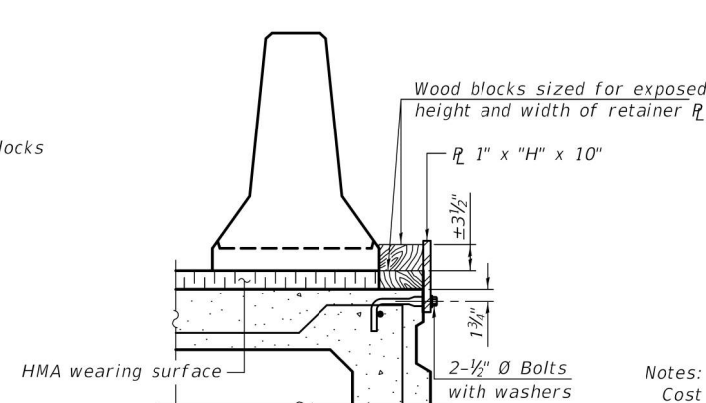
SECTIONS THRU SLAB OR DECK BEAM



DETAIL I

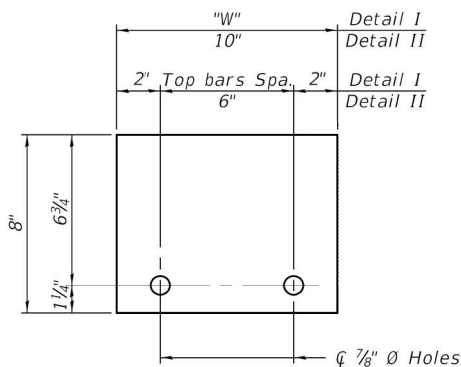


DETAIL II

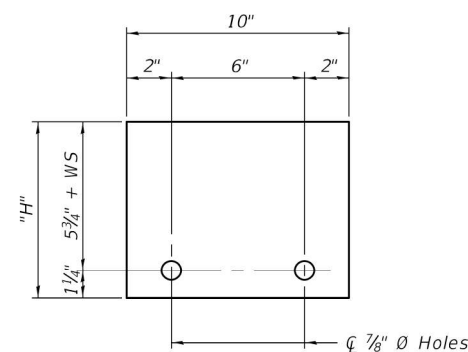


DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate $\frac{1}{4}$ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 10-12-2021

MODEL: R-27
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CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO.						
SHEET OF SHEETS		CONTRACT NO.				
		ILLINOIS FED. AID PROJECT				

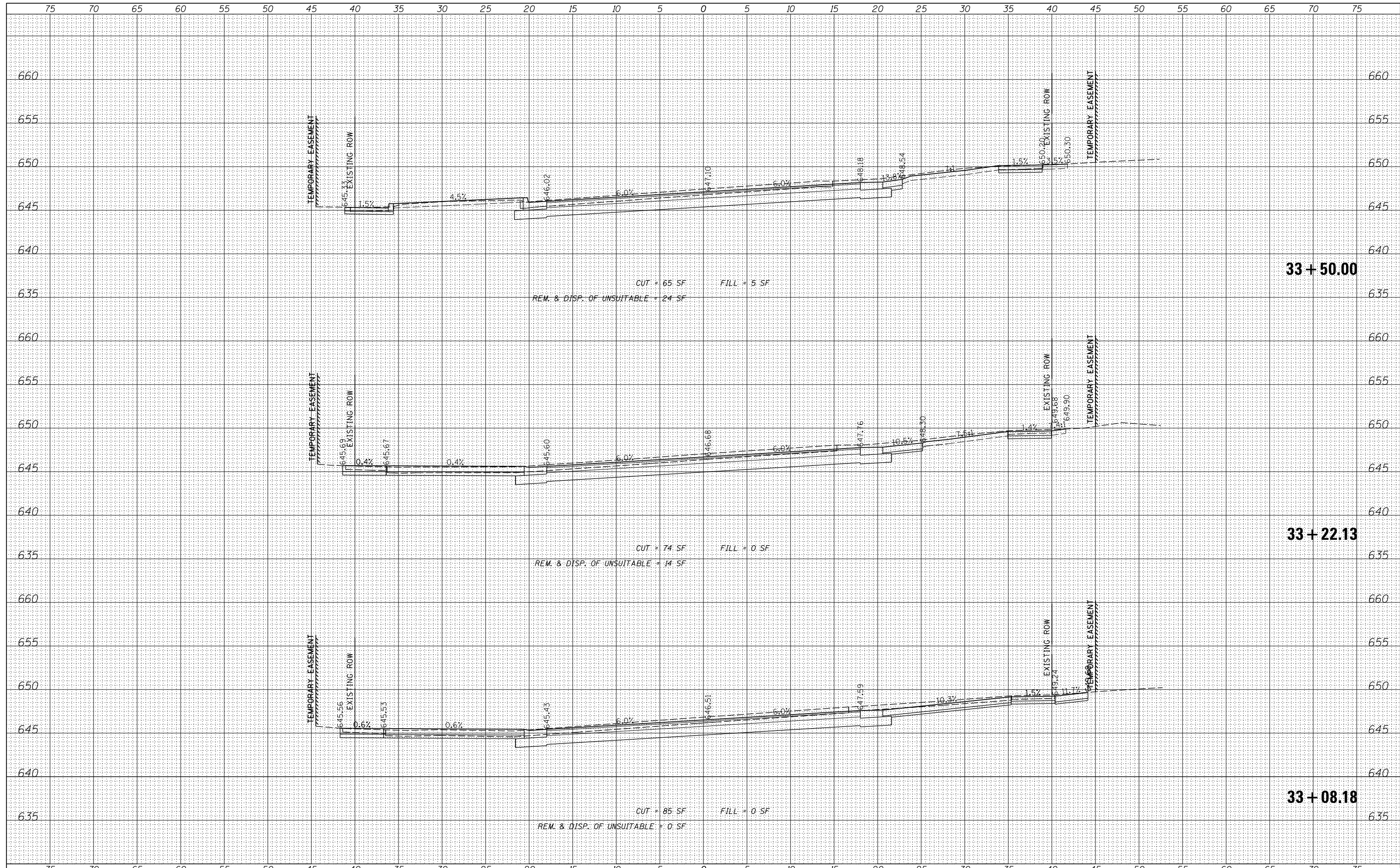
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CHRISTOPHER B. BURKE ENGINEERING, LTD.	oschoefer	AJS	AJS
16221 W. 159th Street, Suite 201 Lockport, IL 60441 (815) 770-2860	PLOT SCALE =	AJS	BMW
	PLOT DATE =	11/10/2023	11/10/2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E. 9TH STREET (IL RT 7)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT 1 STANDARDS		351	18-00084-00-WR	WILL	211	176
SHEET 14 OF 14 SHEETS STA. TO STA.		CONTRACT NO. 61H98				
		ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



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USER NAME	- aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023
PLOT SCALE	- 5'
PLOT DATE	- 11/9/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

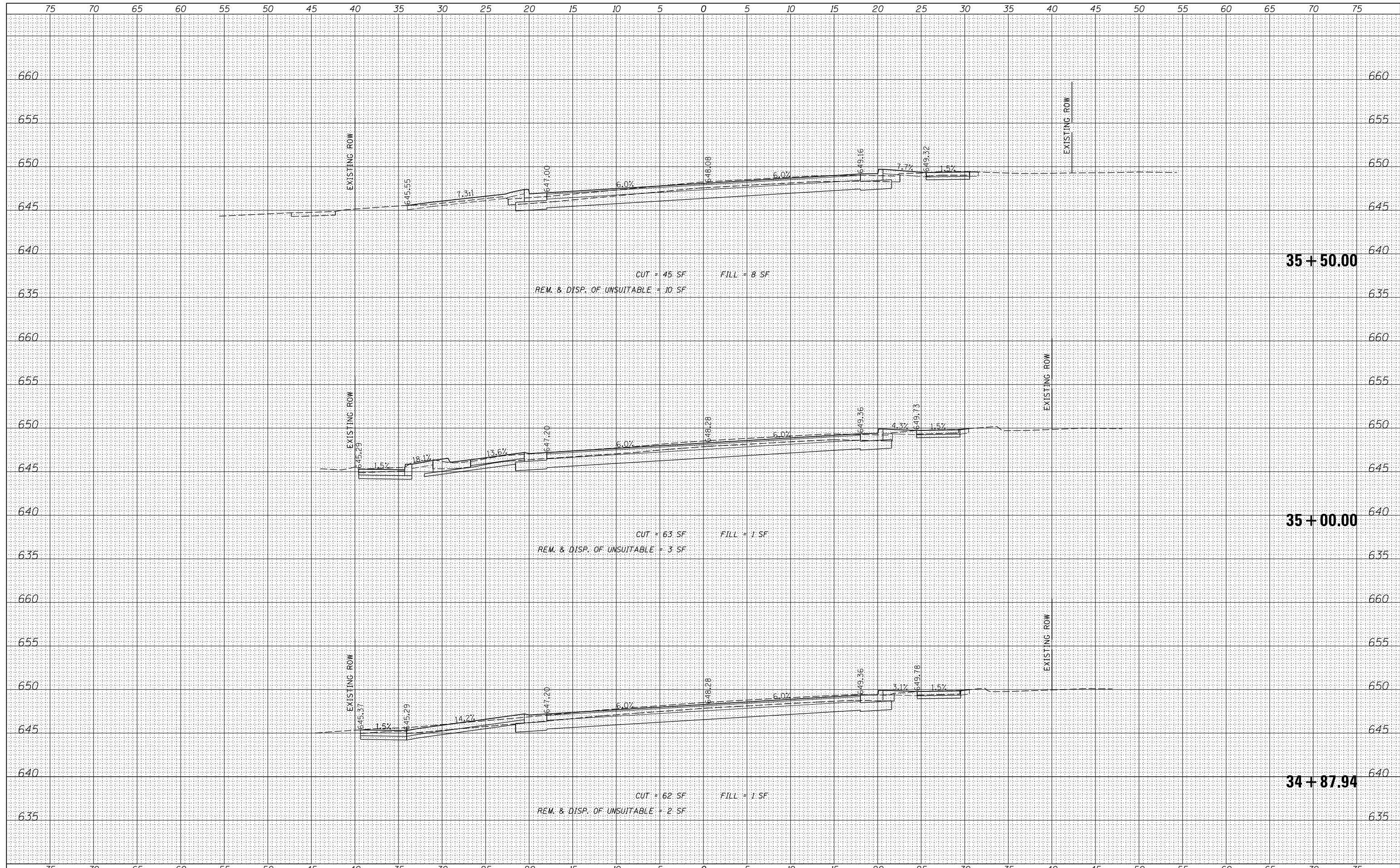
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	179
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

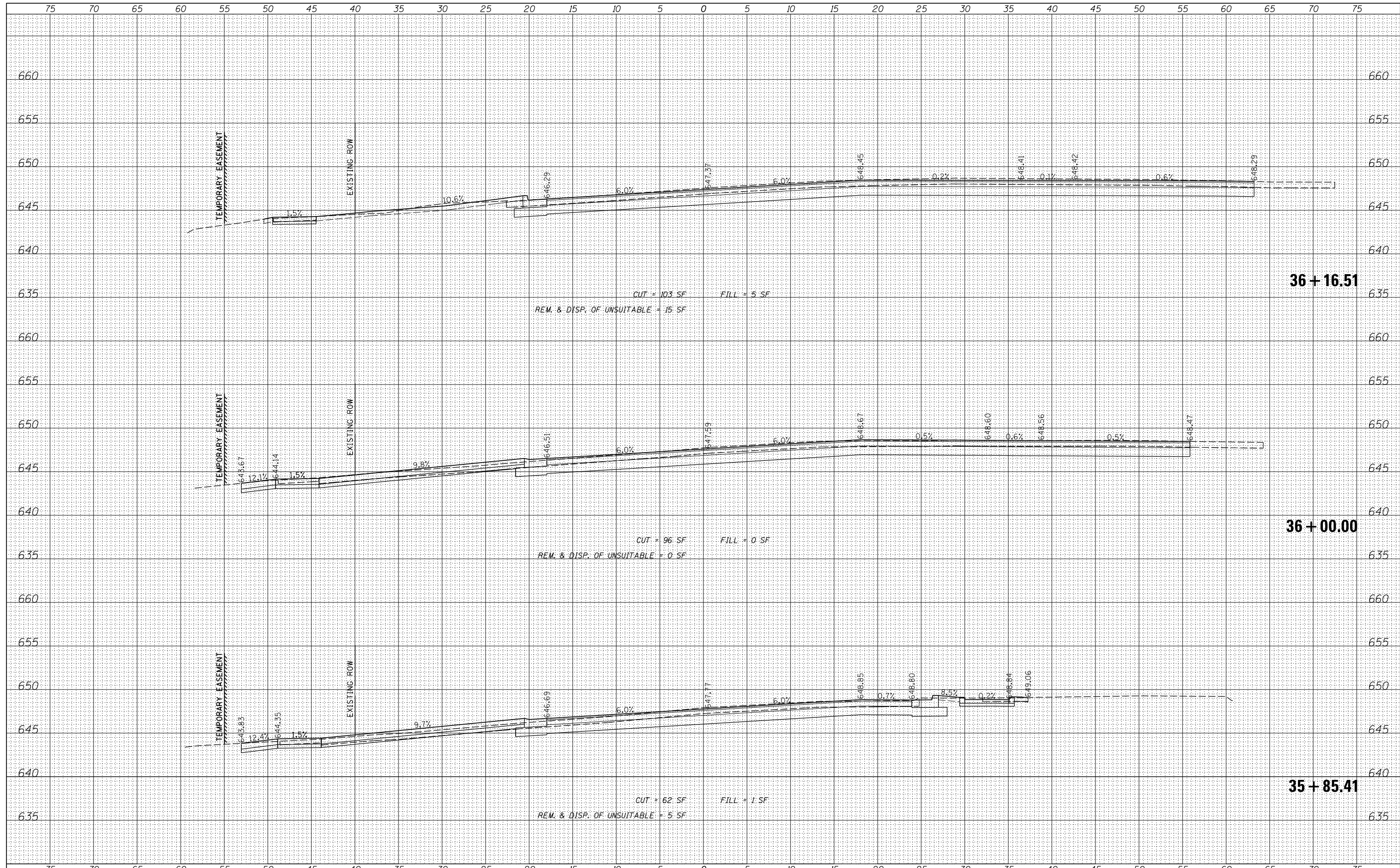
SCALE: 5' SHEET 6 OF 35 SHEETS STA. 34+87.94 TO STA. 35+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	182
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

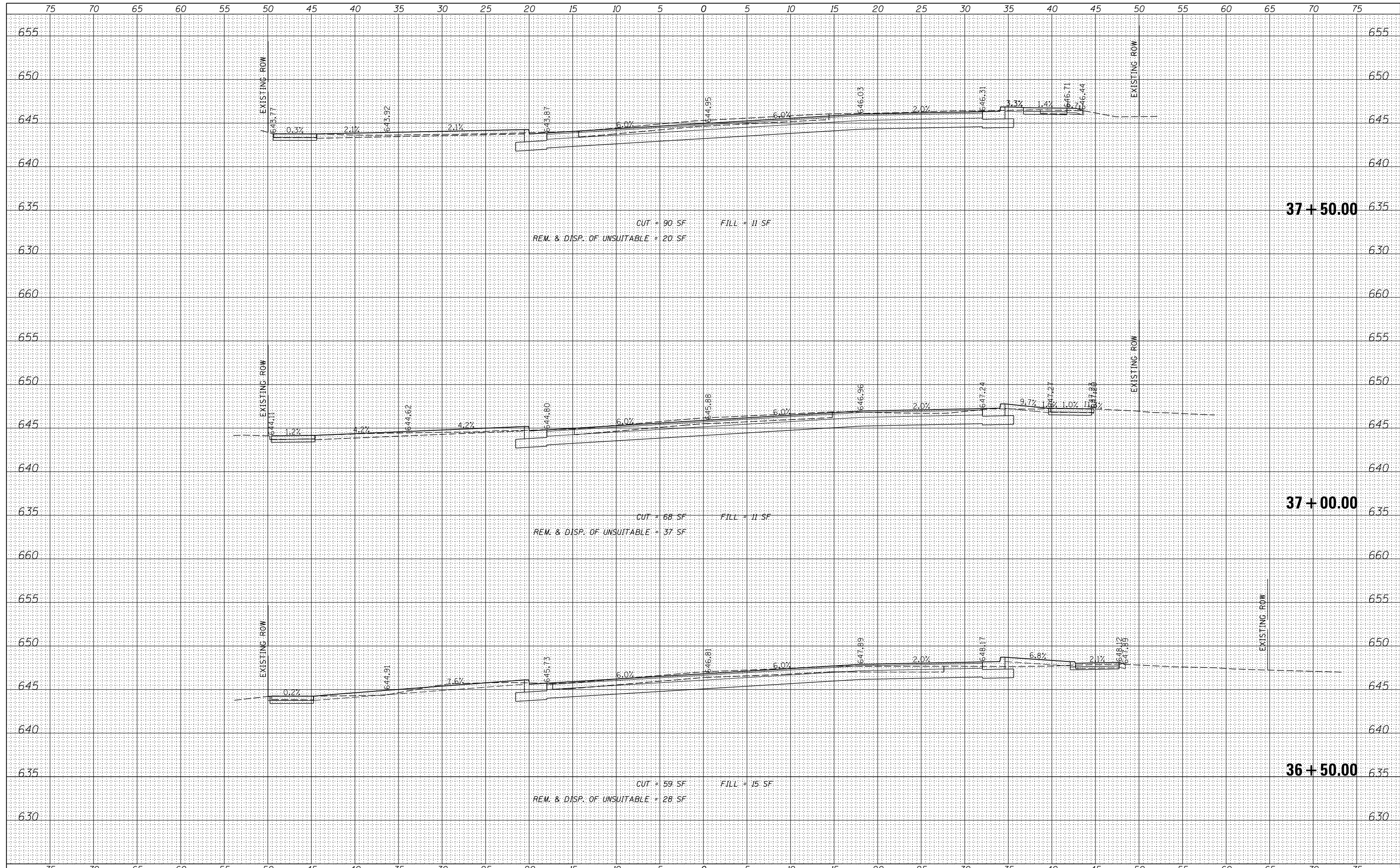
SCALE: 5' SHEET 7 OF 35 SHEETS STA. 35+85.41 TO STA. 36+16.51

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	183
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023

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REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

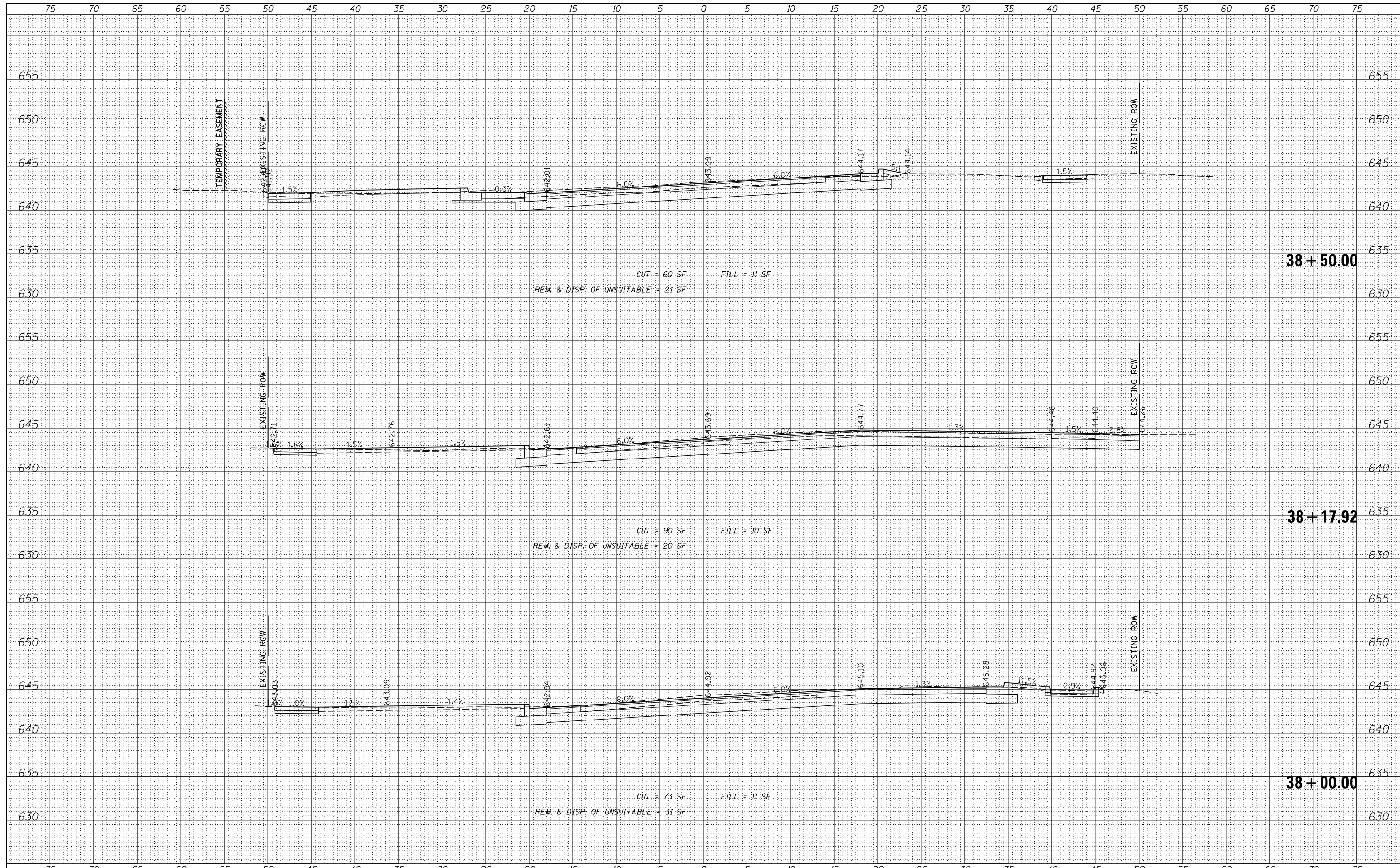
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 8 OF 35 SHEETS STA. 36+50.00 TO STA. 37+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	184
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
AREAS CHECKED	



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USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023
PLLOT SCALE	= 5'
PLLOT DATE	= 11/9/2023

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REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

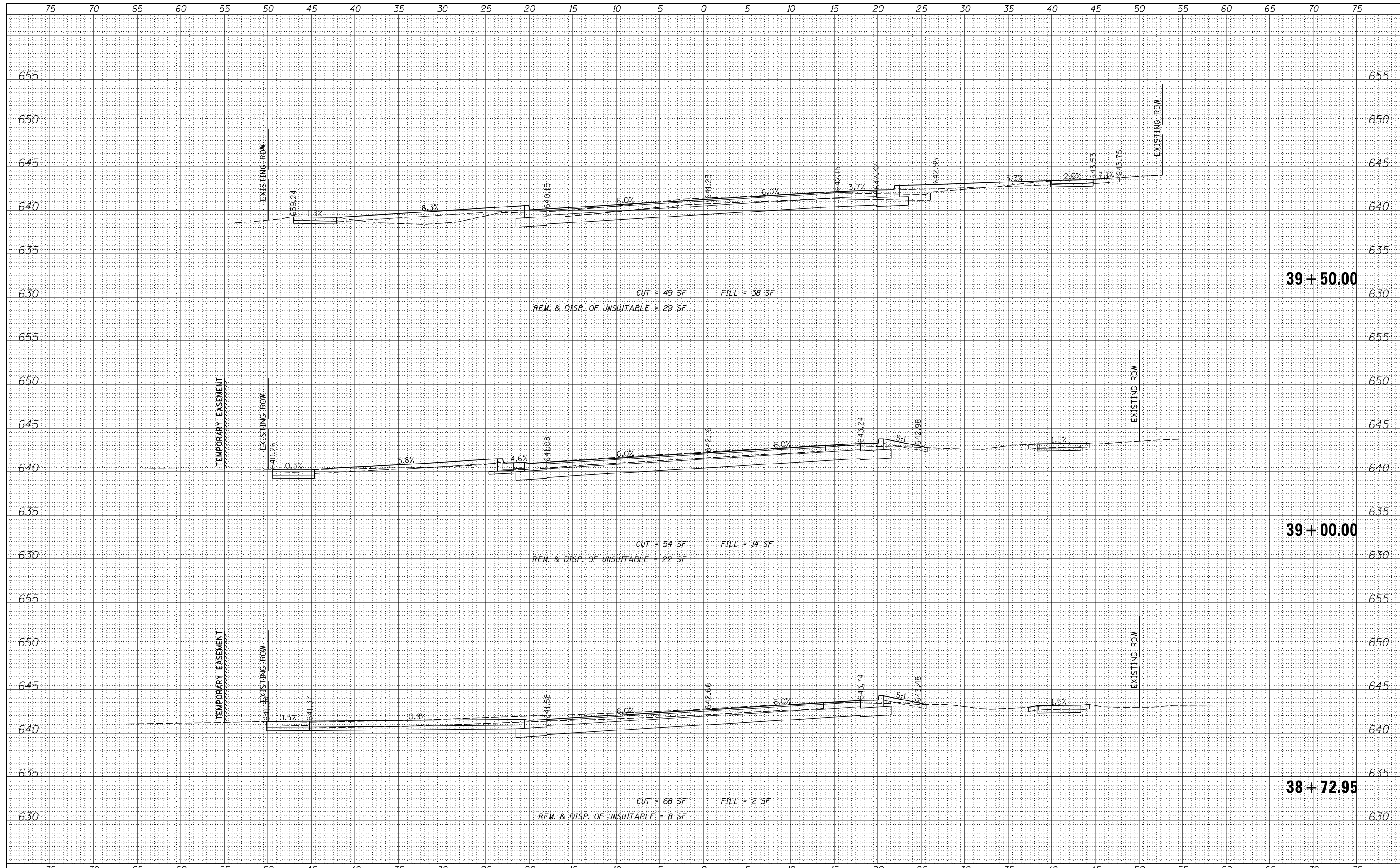
SCALE: 5' SHEET 9 OF 35 SHEETS STA. 38+00.00 TO STA. 38+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	185
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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TEMPLATE	
AREAS	
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USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

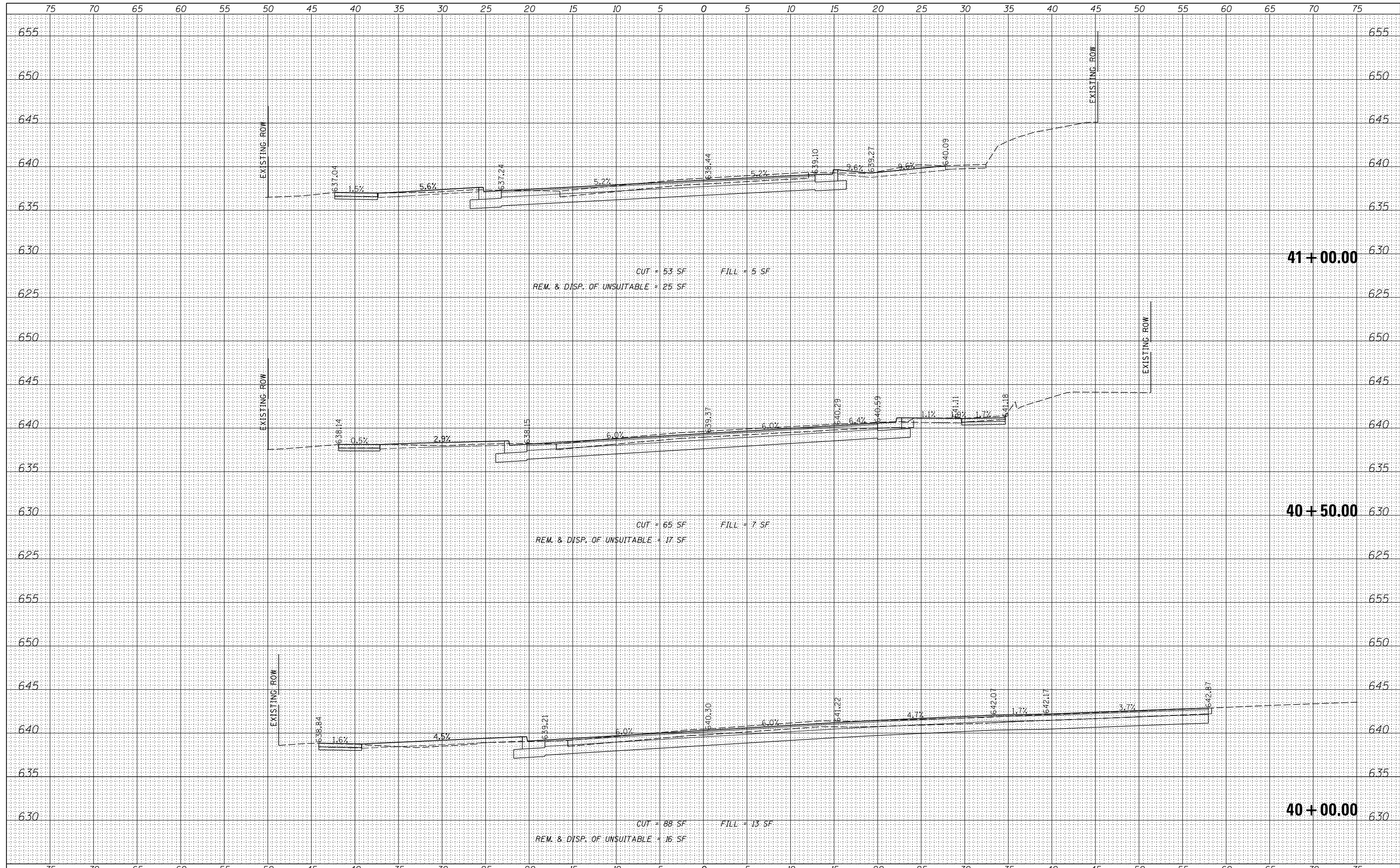
SCALE: 5' SHEET 10 OF 35 SHEETS STA. 38+72.95 TO STA. 39+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	186
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

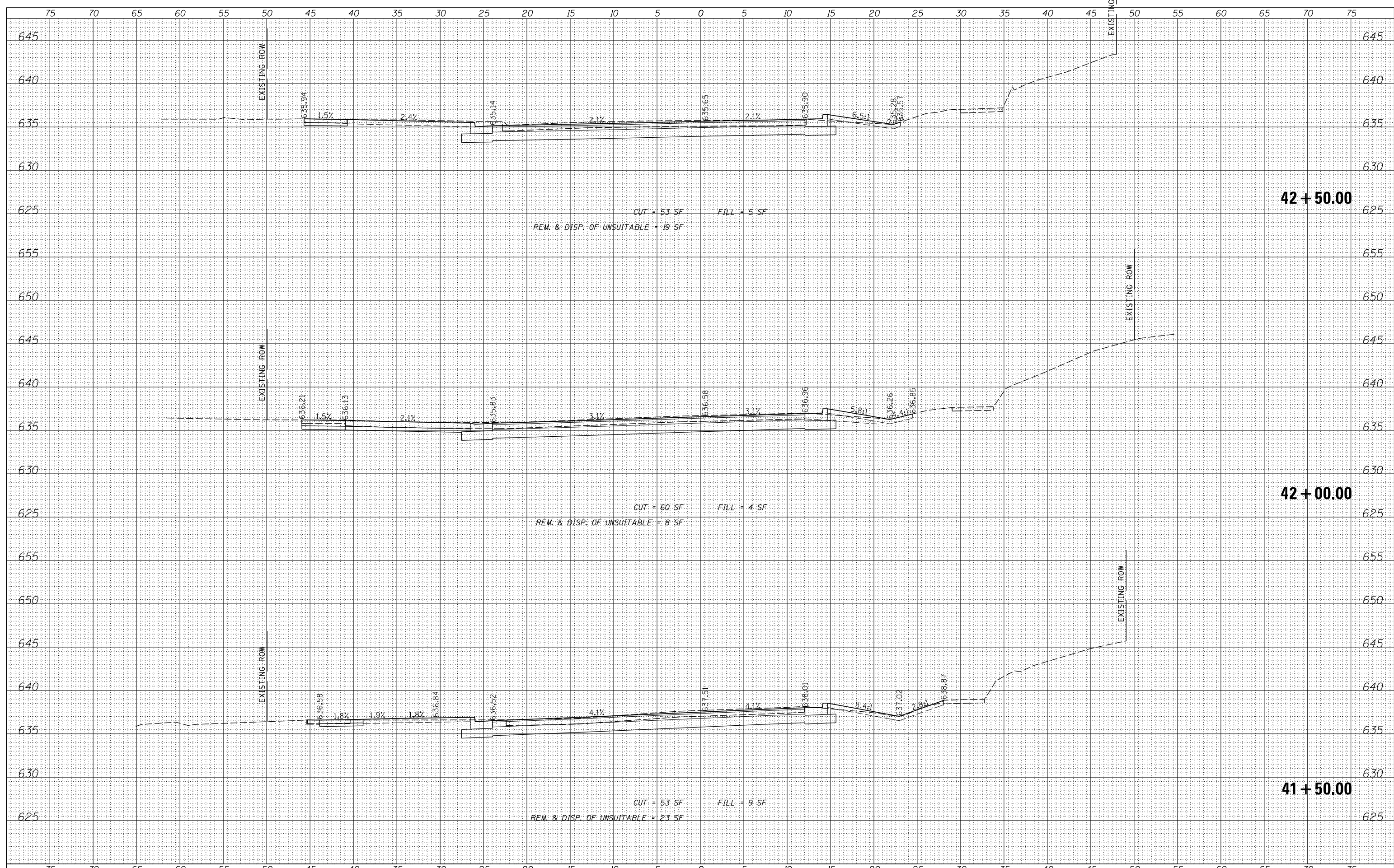
SCALE: 5' SHEET 11 OF 35 SHEETS STA. 40+00.00 TO STA. 41+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	187
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer		
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DRAWN	- AJS	REVISED	-
CHECKED	- BMW	REVISED	-
DATE	- 11/9/2023	REVISED	-
PLLOT SCALE	= 5'		
PLLOT DATE	= 11/9/2023		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

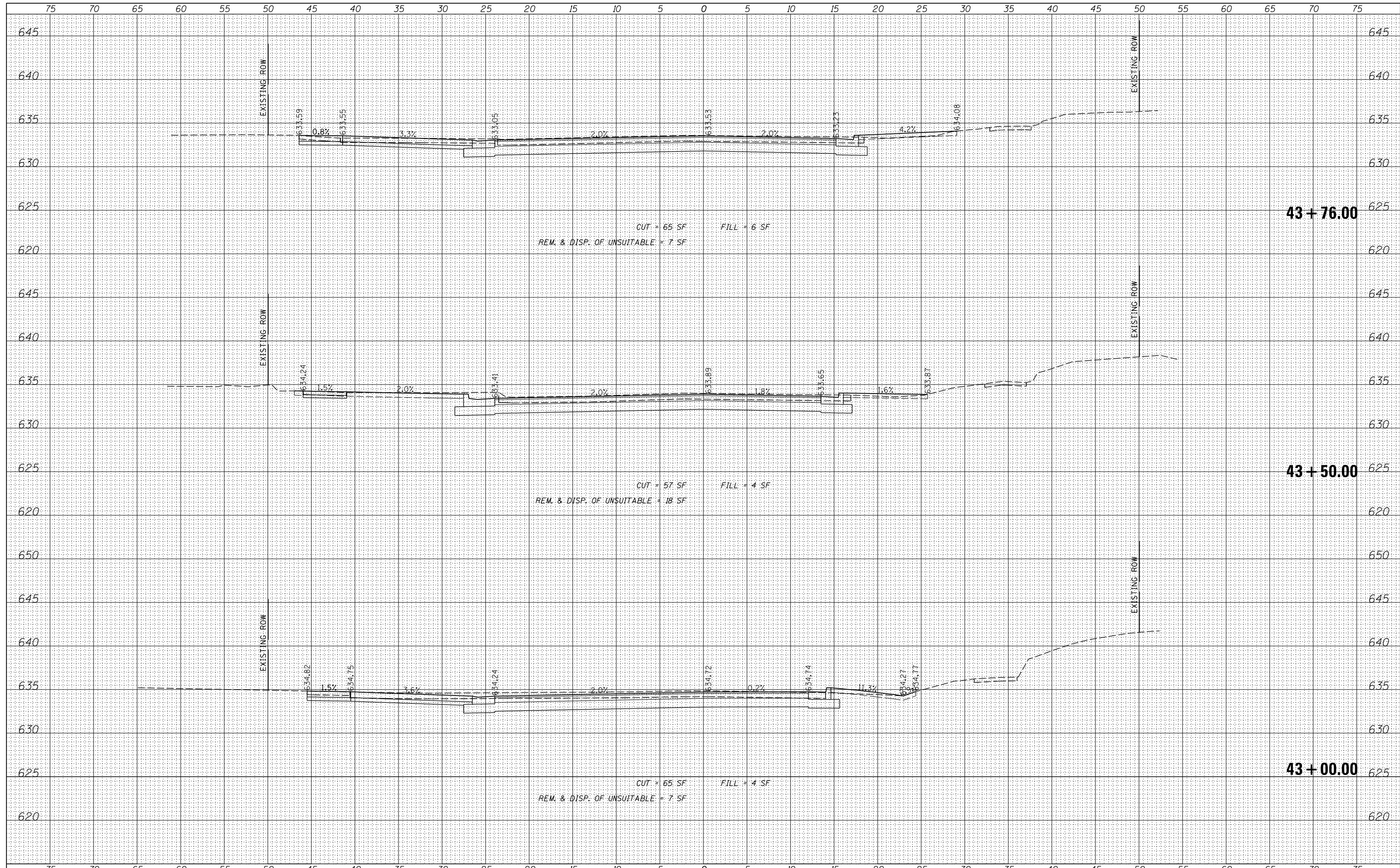
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 12 OF 35 SHEETS STA. 41+50.00 TO STA. 42+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	188
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer	DESIGNED	- AJS	REVISED	-
		DRAWN	- AJS	REVISED	-
		CHECKED	- BMW	REVISED	-
		DATE	- 11/9/2023	REVISED	-
PLOT SCALE	= 5'				
PLOT DATE	= 11/9/2023				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

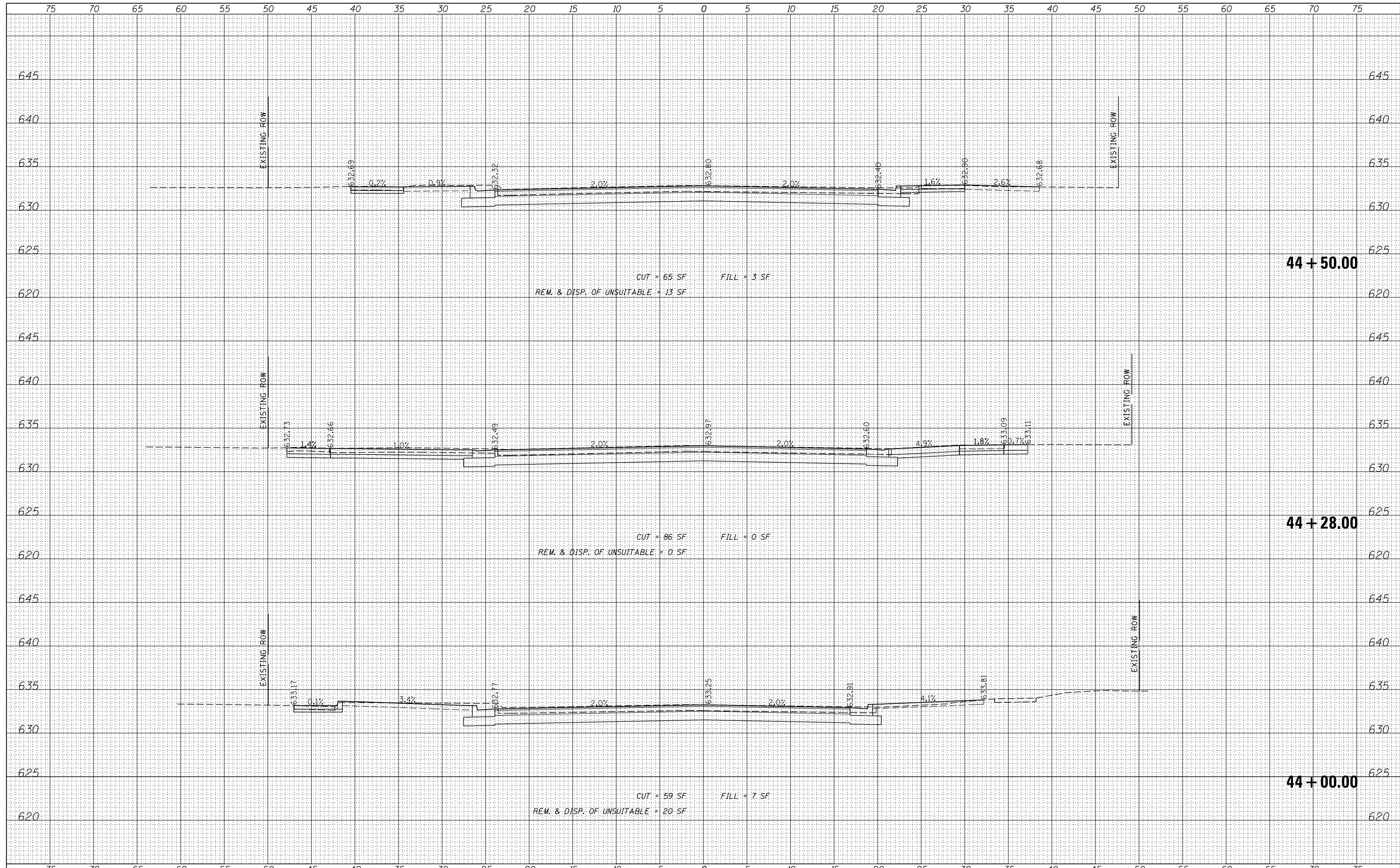
SCALE: 5' SHEET 13 OF 35 SHEETS STA. 43+00.00 TO STA. 43+76.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	189
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023

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REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

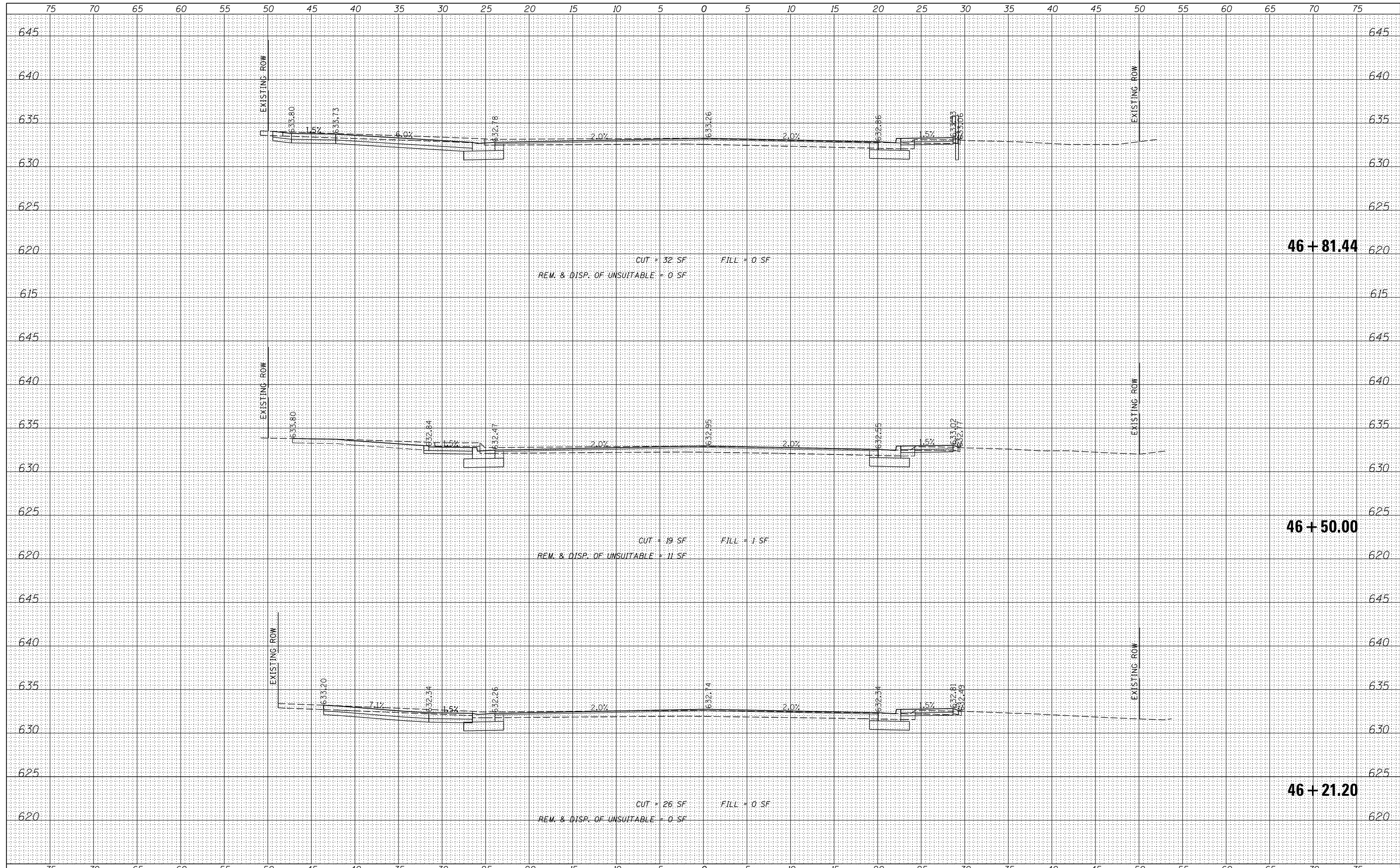
SCALE: 5' SHEET 14 OF 35 SHEETS STA. 44+00.00 TO STA. 44+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	190
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 5'	DRAWN - AJS	REVISED -
PLOT DATE = 11/9/2023	CHECKED - BMW	REVISED -
	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

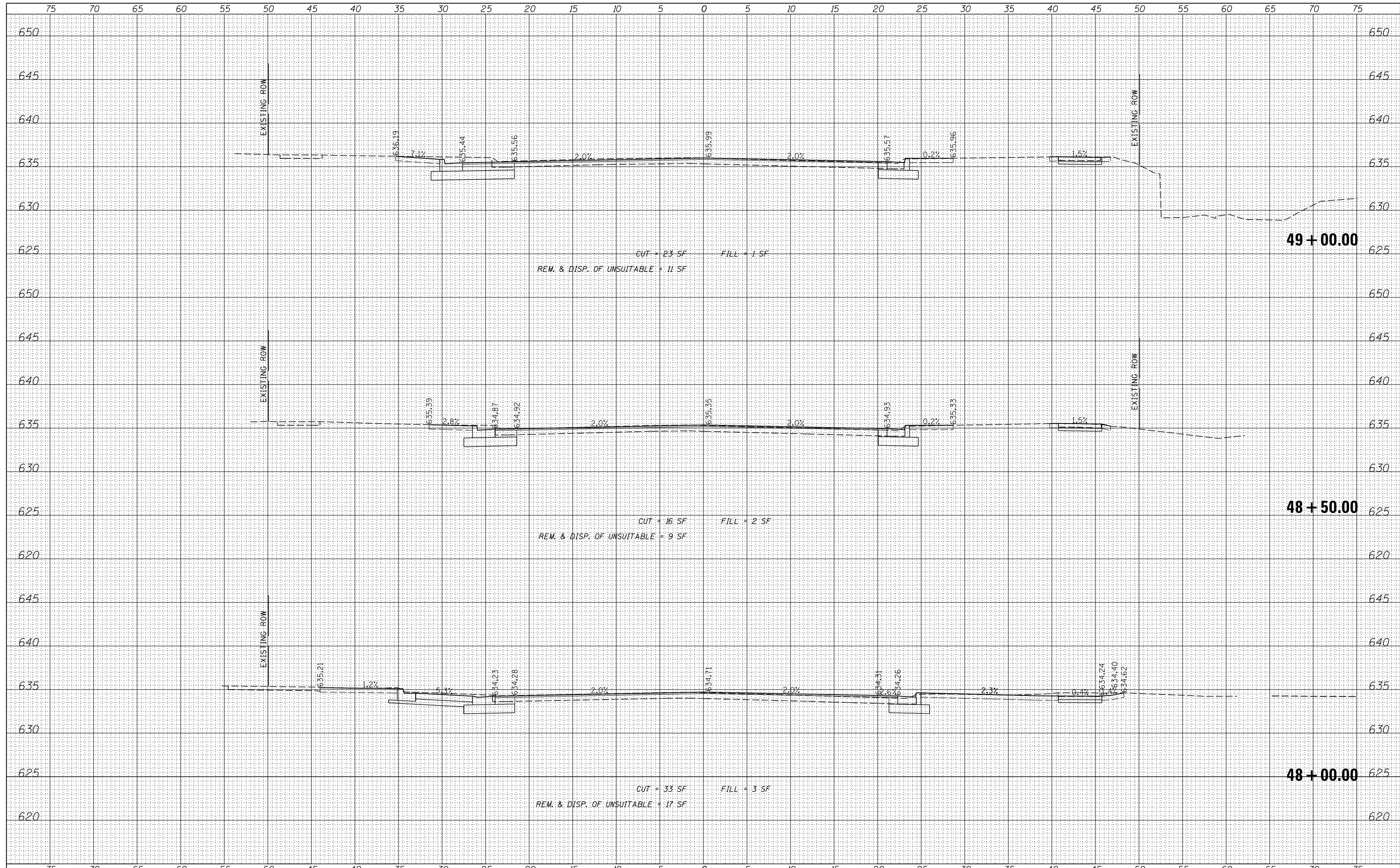
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 16 OF 35 SHEETS STA. 46+21.20 TO STA. 46+81.44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	192
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023
PLOT SCALE	= 5'
PLOT DATE	= 11/9/2023

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

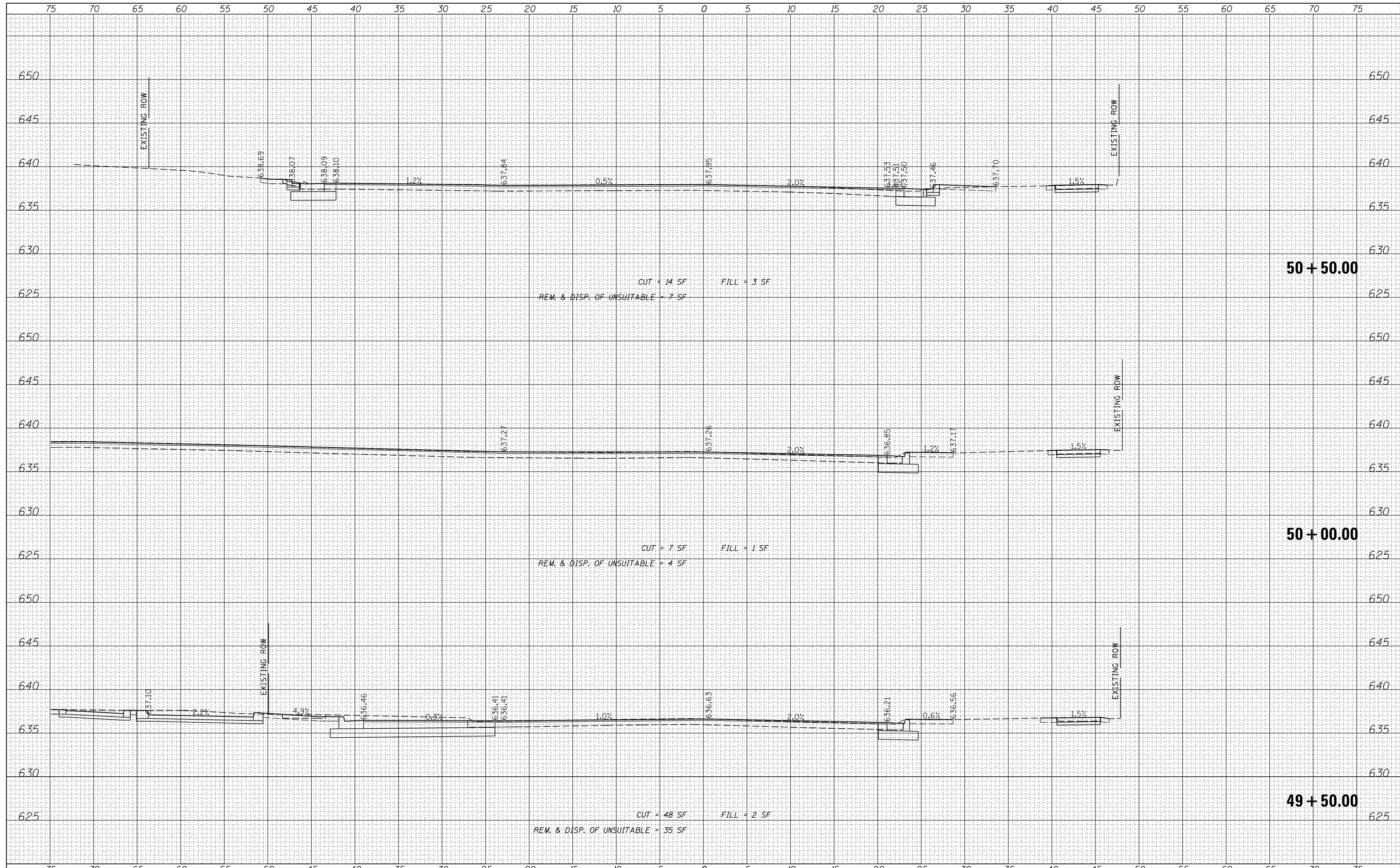
SCALE: 5' SHEET 18 OF 35 SHEETS STA. 48+00.00 TO STA. 49+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	194
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

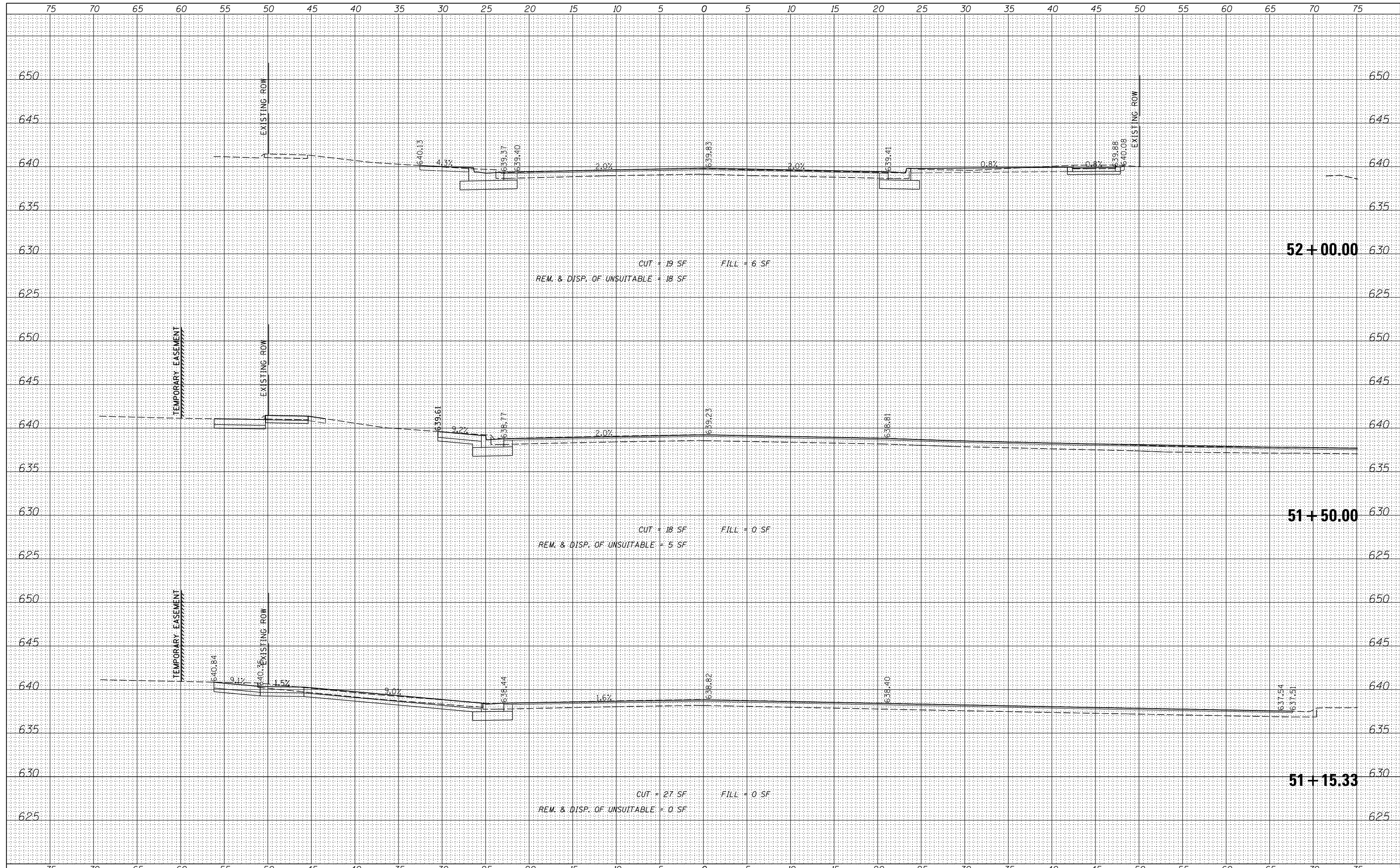
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 19 OF 35 SHEETS STA. 49+50.00 TO STA. 50+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	195
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	PLOTTED
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USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

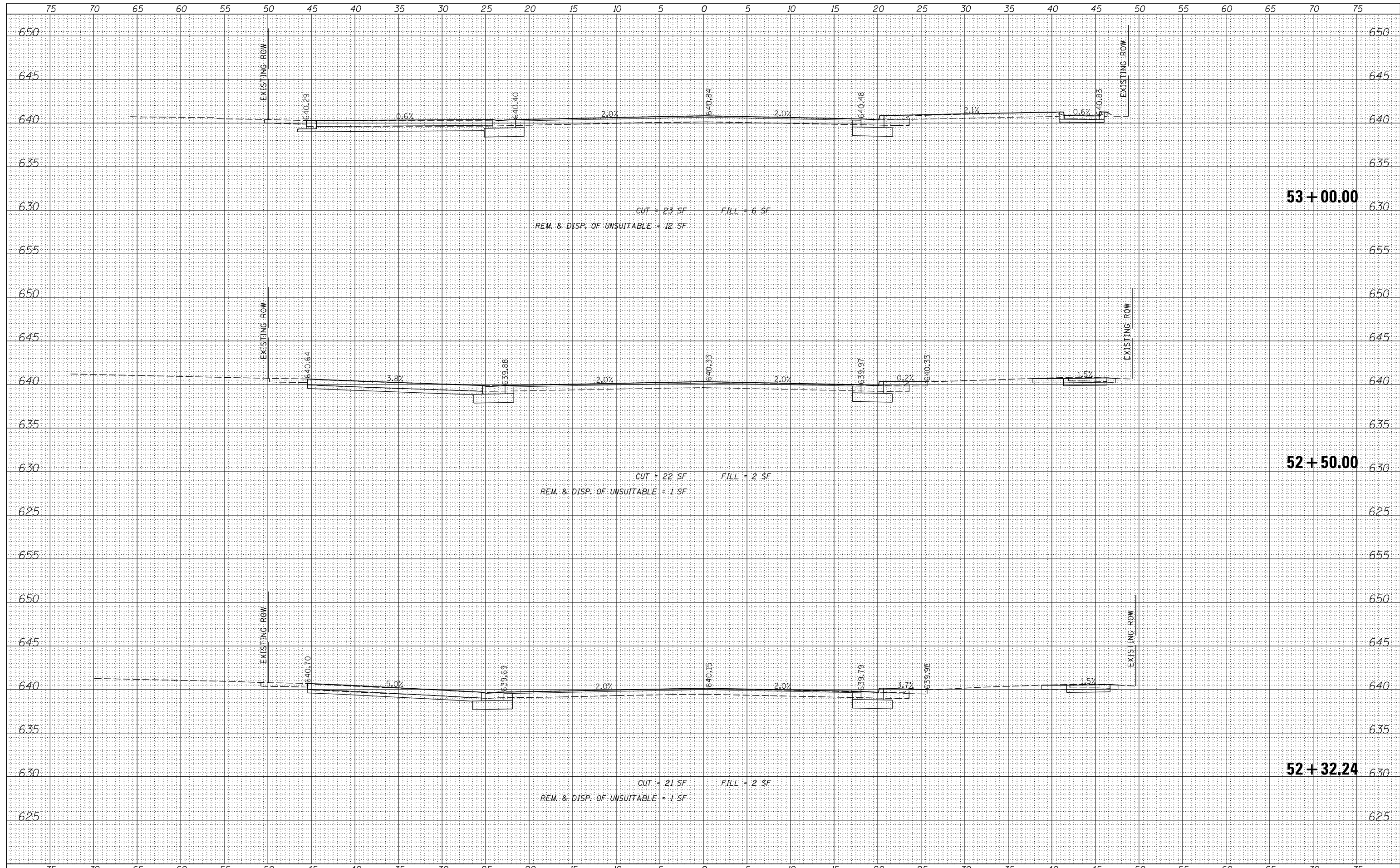
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 20 OF 35 SHEETS STA. 51+15.33 TO STA. 52+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	196
			CONTRACT NO. 61H98	
ILLINOIS FED. AID PROJECT				

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USER NAME	= aschaefer		
DESIGNED	- AJS	REVISED	-
DRAWN	- AJS	REVISED	-
CHECKED	- BMW	REVISED	-
DATE	- 11/9/2023	REVISED	-
PLLOT SCALE	= 5'		
PLLOT DATE	= 11/9/2023		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

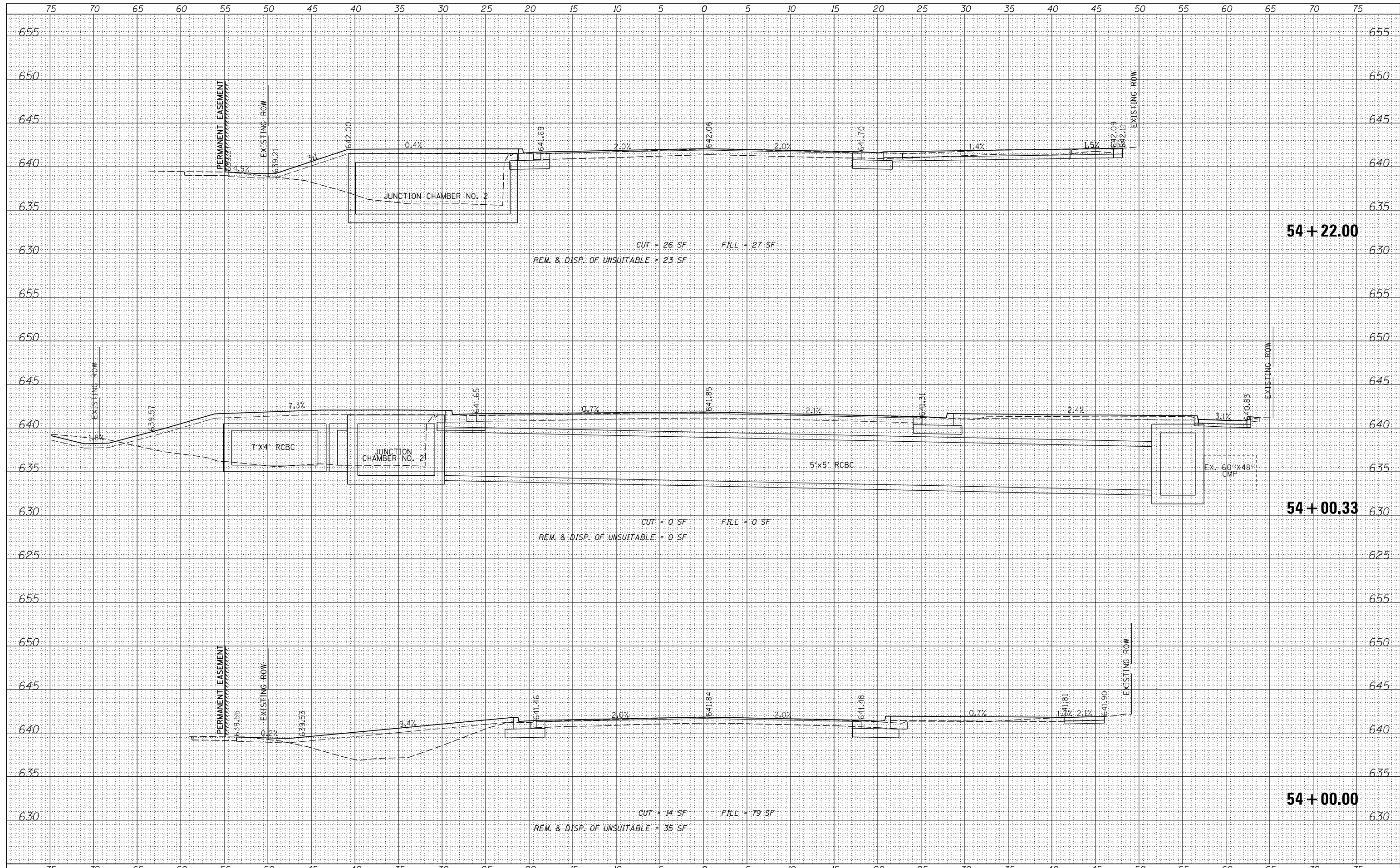
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 21 OF 35 SHEETS STA. 52+32.24 TO STA. 53+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	197
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME	- aschaefer	DESIGNED	- AJS	REVISED	-
		DRAWN	- AJS	REVISED	-
PLOT SCALE	- 5'	CHECKED	- BMW	REVISED	-
PLOT DATE	- 11/9/2023	DATE	- 11/9/2023	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

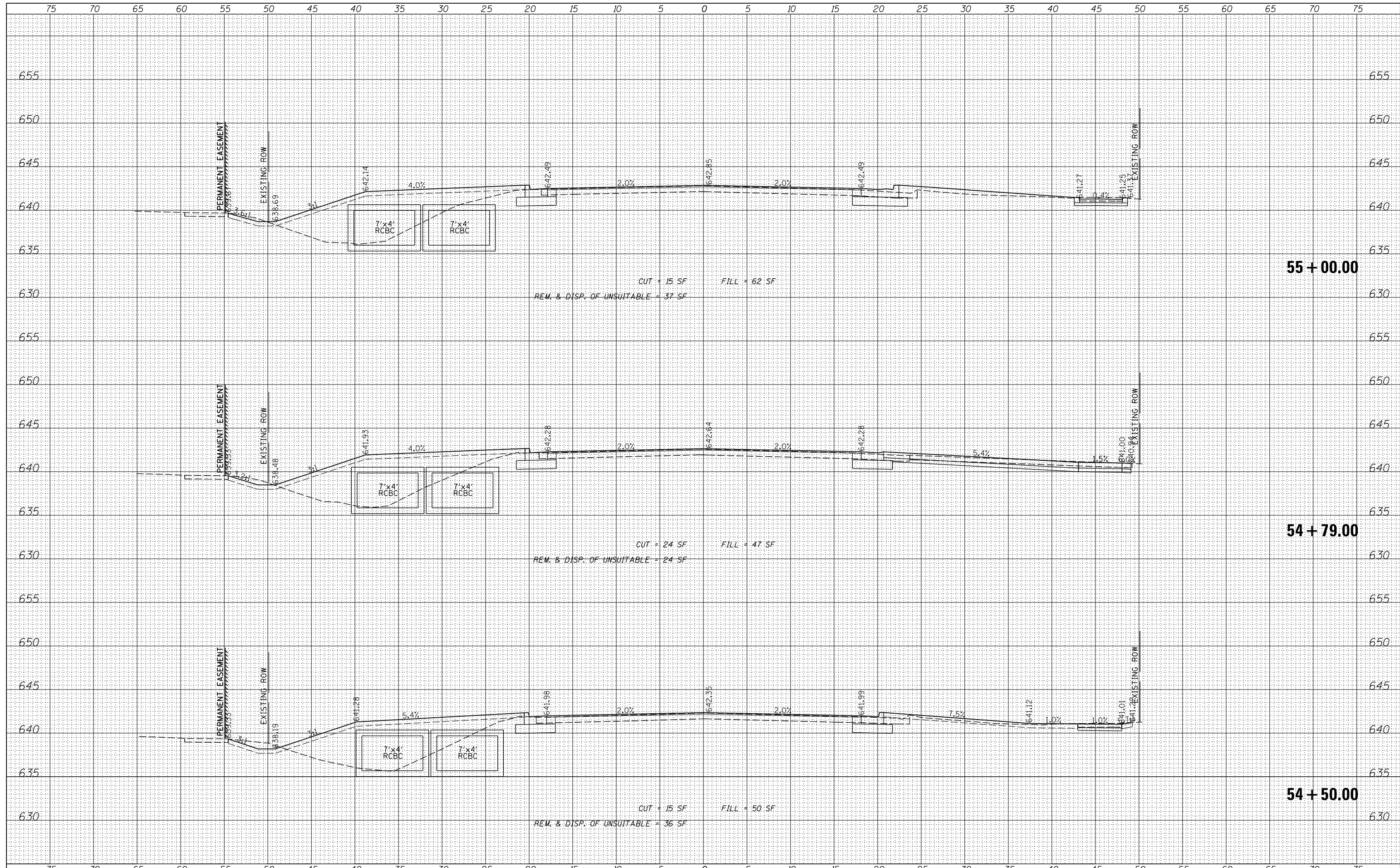
E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS
 SCALE: 5' SHEET 23 OF 35 SHEETS STA. 54+00.00 TO STA. 54+22.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	199
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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USER NAME - aschaefer	DESIGNED - AJS	REVISED -
DESIGNED - AJS	DRAWN - AJS	REVISED -
PLLOT SCALE - 5'	CHECKED - BMW	REVISED -
PLLOT DATE - 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

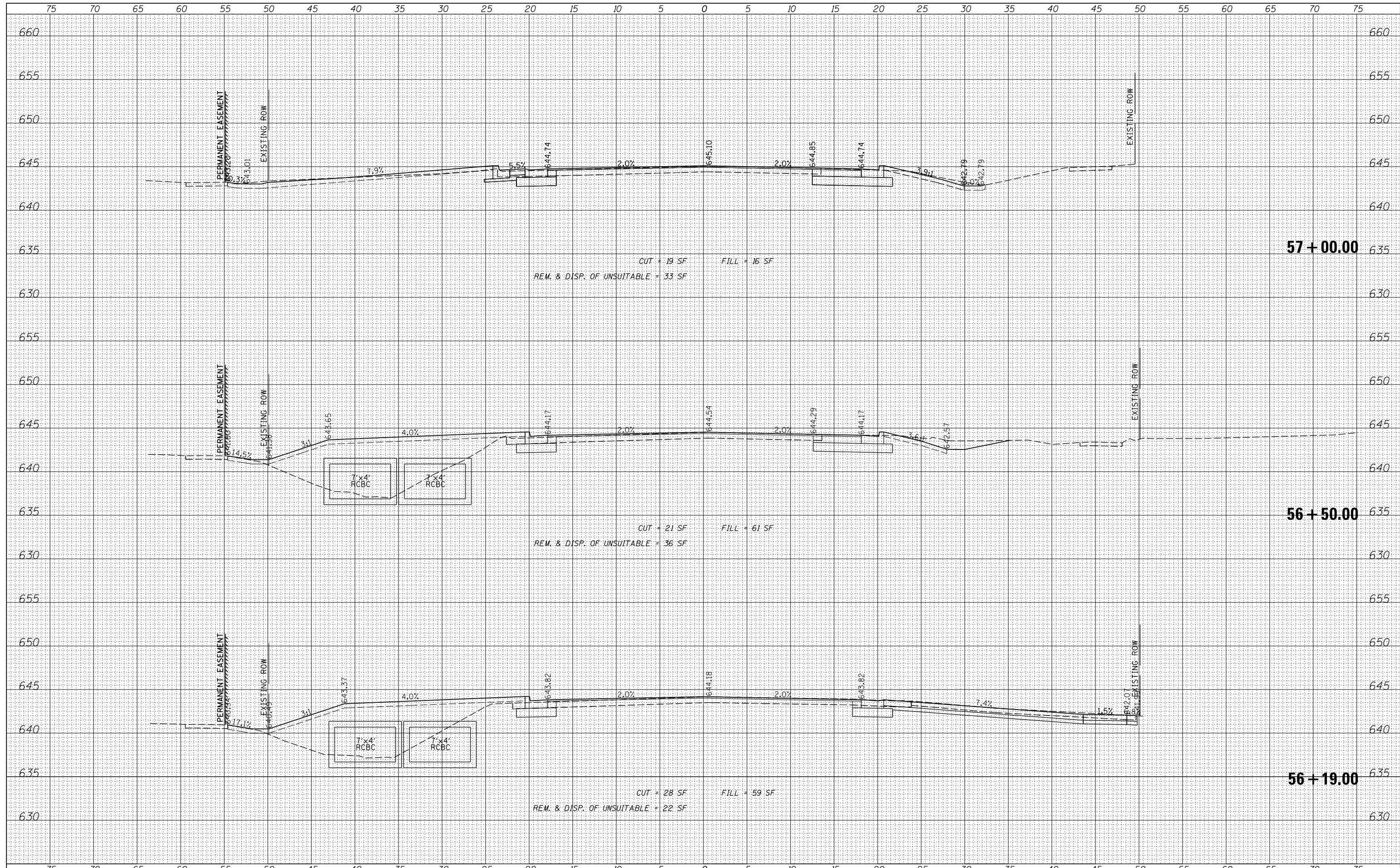
**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**
 SCALE: 5' SHEET 24 OF 35 SHEETS STA. 54+50.00 TO STA. 55+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	200
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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DATE	- 11/9/2023
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

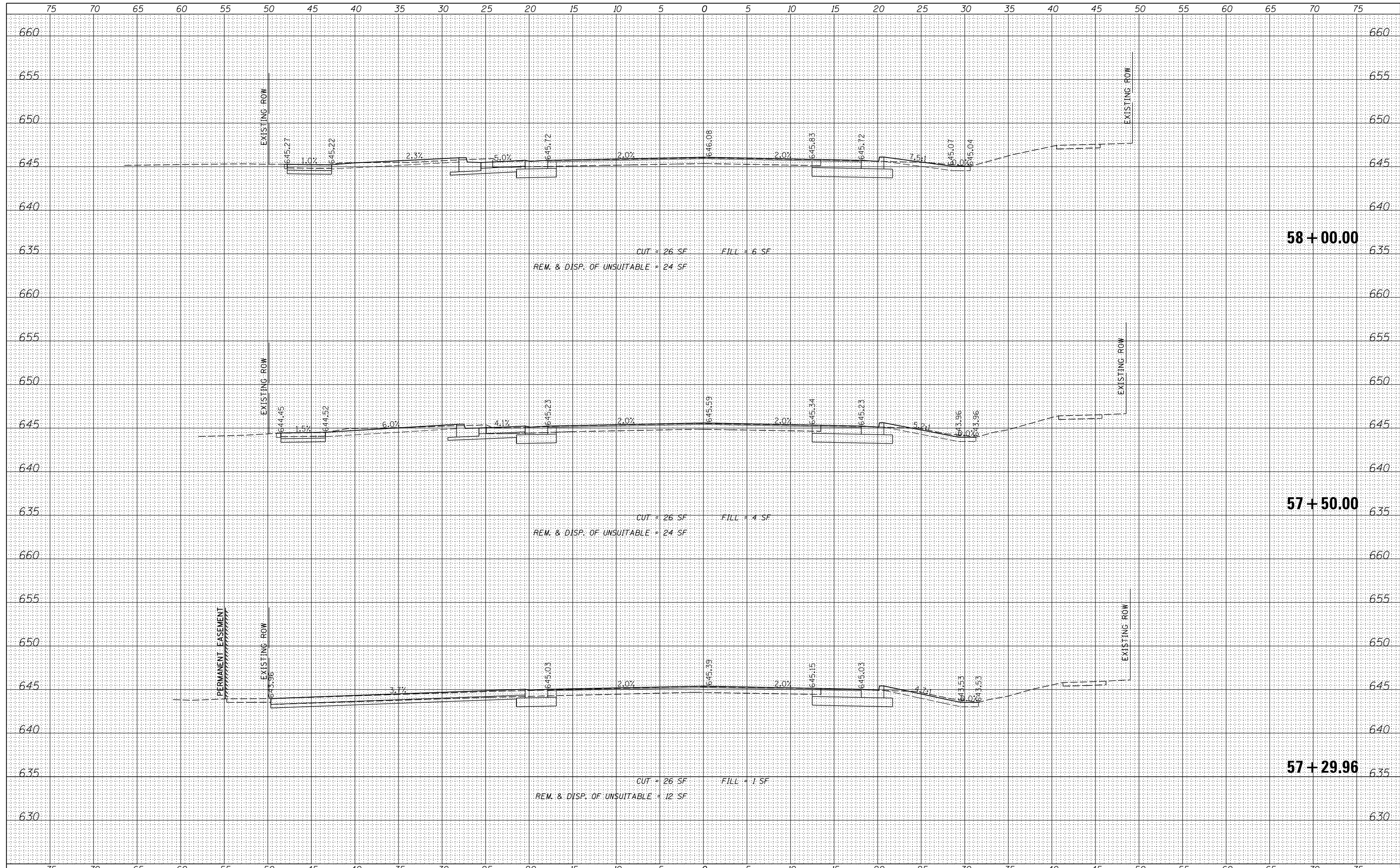
SCALE: 5' SHEET 26 OF 35 SHEETS STA. 56+19.00 TO STA. 57+00.00


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	202
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 159th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-2850

USER NAME	= aschaefer
DESIGNED	- AJS
DRAWN	- AJS
CHECKED	- BMW
DATE	- 11/9/2023
REVISIONS	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E. 9TH STREET (IL RT 7)
PROPOSED CROSS SECTIONS

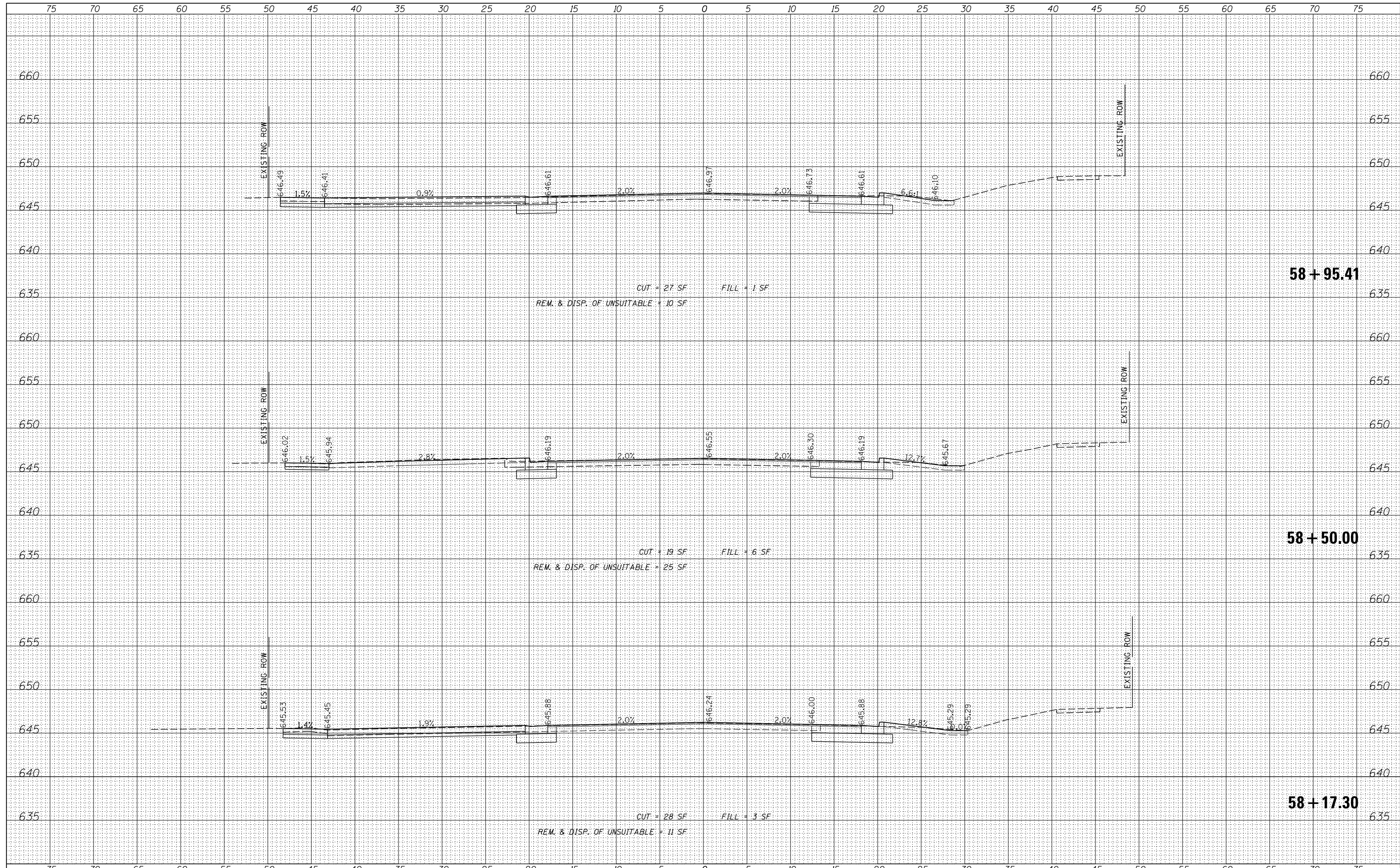
SCALE: 5' SHEET 27 OF 35 SHEETS STA. 57+29.96 TO STA. 58+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	203
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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	DRAWN - AJS	REVISED -
PLOT SCALE = 5'	CHECKED - BMW	REVISED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

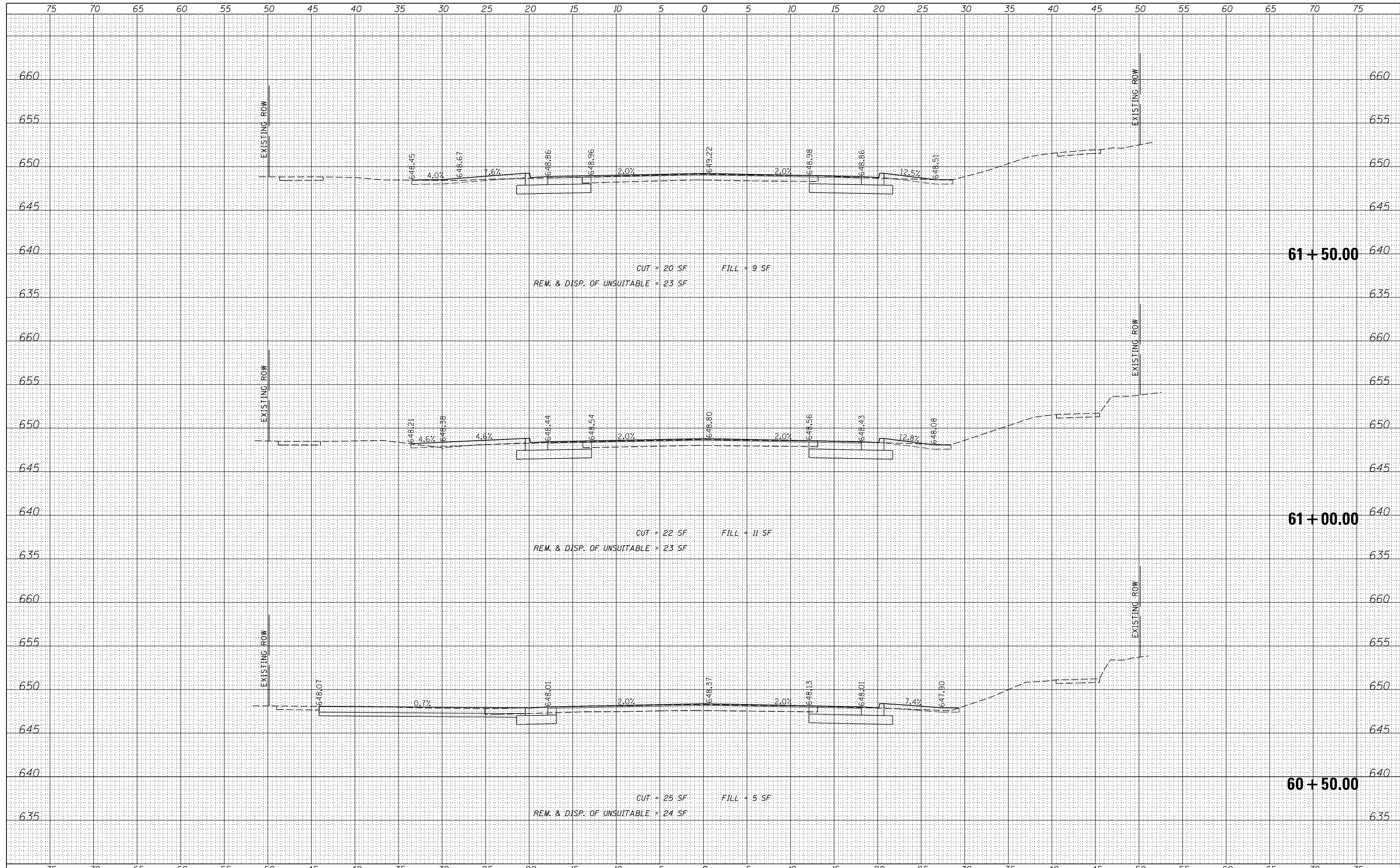
SCALE: 5' SHEET 28 OF 35 SHEETS STA. 58+17.30 TO STA. 58+95.41

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	204
CONTRACT NO. 61H98				
ILLINOIS FED. AID PROJECT				

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DRAWN	- AJS
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DATE	- 11/9/2023
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REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

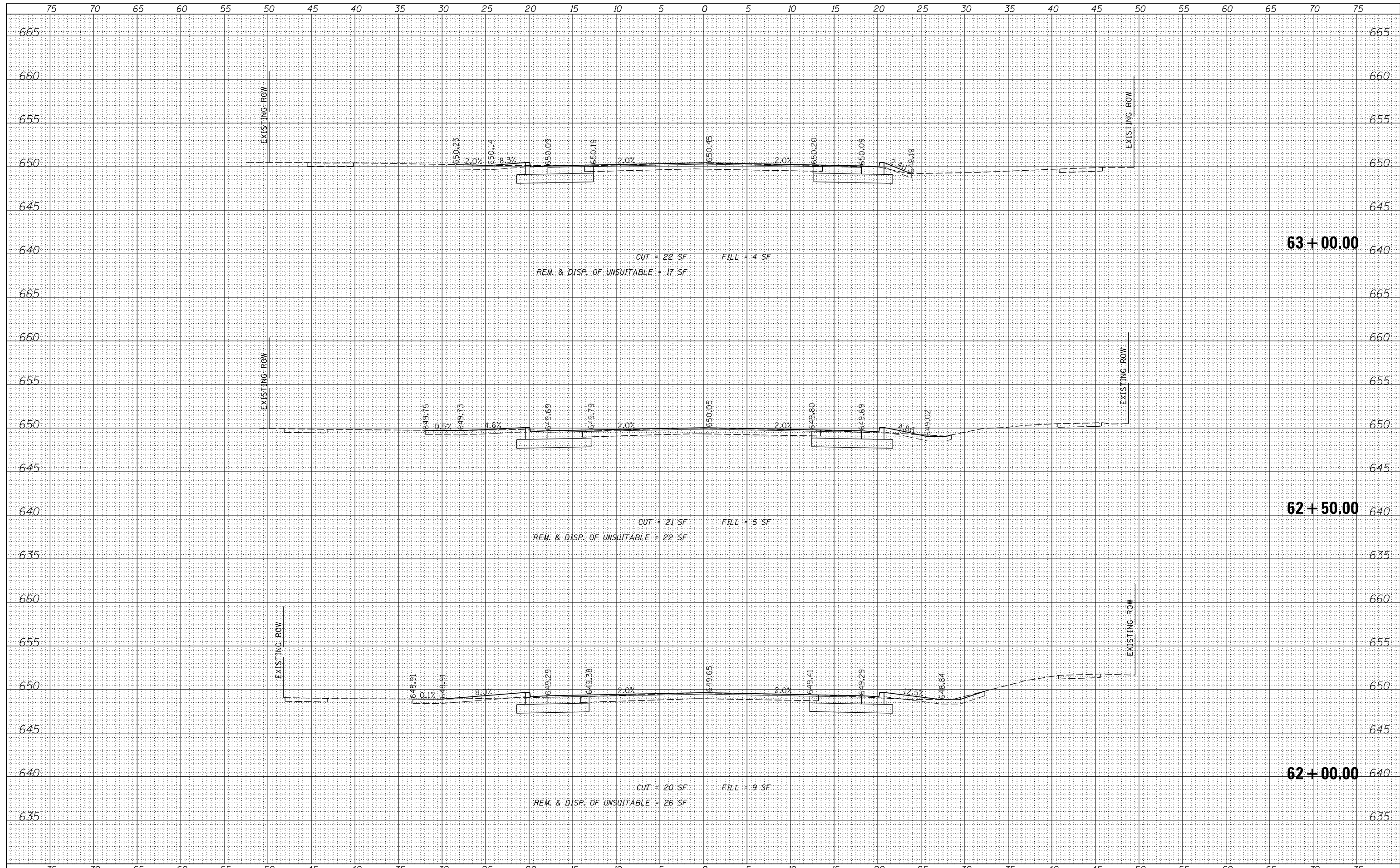
SCALE: 5' SHEET 30 OF 35 SHEETS STA. 60+50.00 TO STA. 61+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	206
				CONTRACT NO. 61H98
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

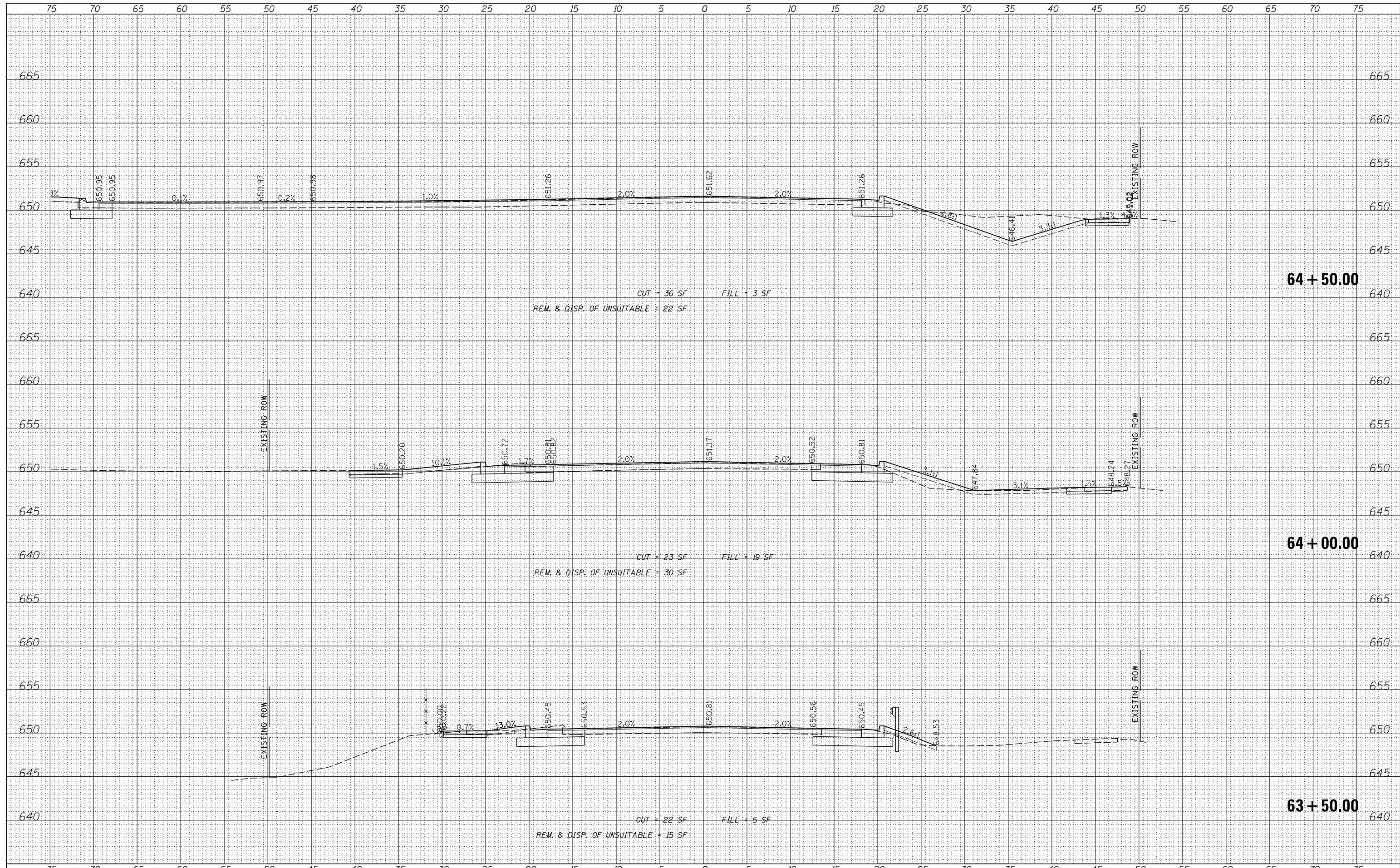
SCALE: 5' SHEET 31 OF 35 SHEETS STA. 62+00.00 TO STA. 63+00.00


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	207
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

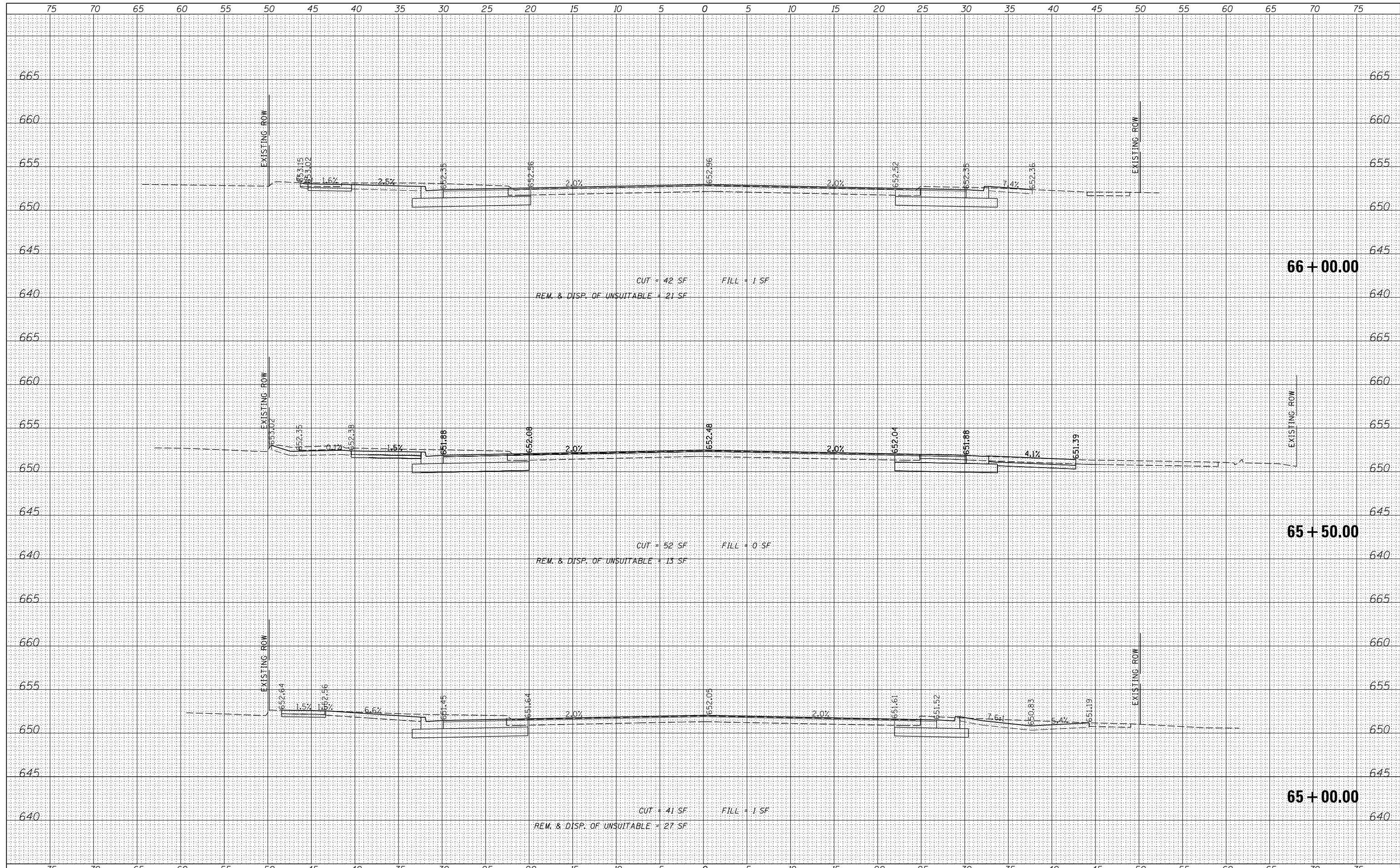
E. 9TH STREET (IL RT 7)
PROPOSED CROSS SECTIONS
 SCALE: 5' SHEET 32 OF 35 SHEETS STA. 63+50.00 TO STA. 64+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	208
CONTRACT NO. 61H98				
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STATE OF ILLINOIS
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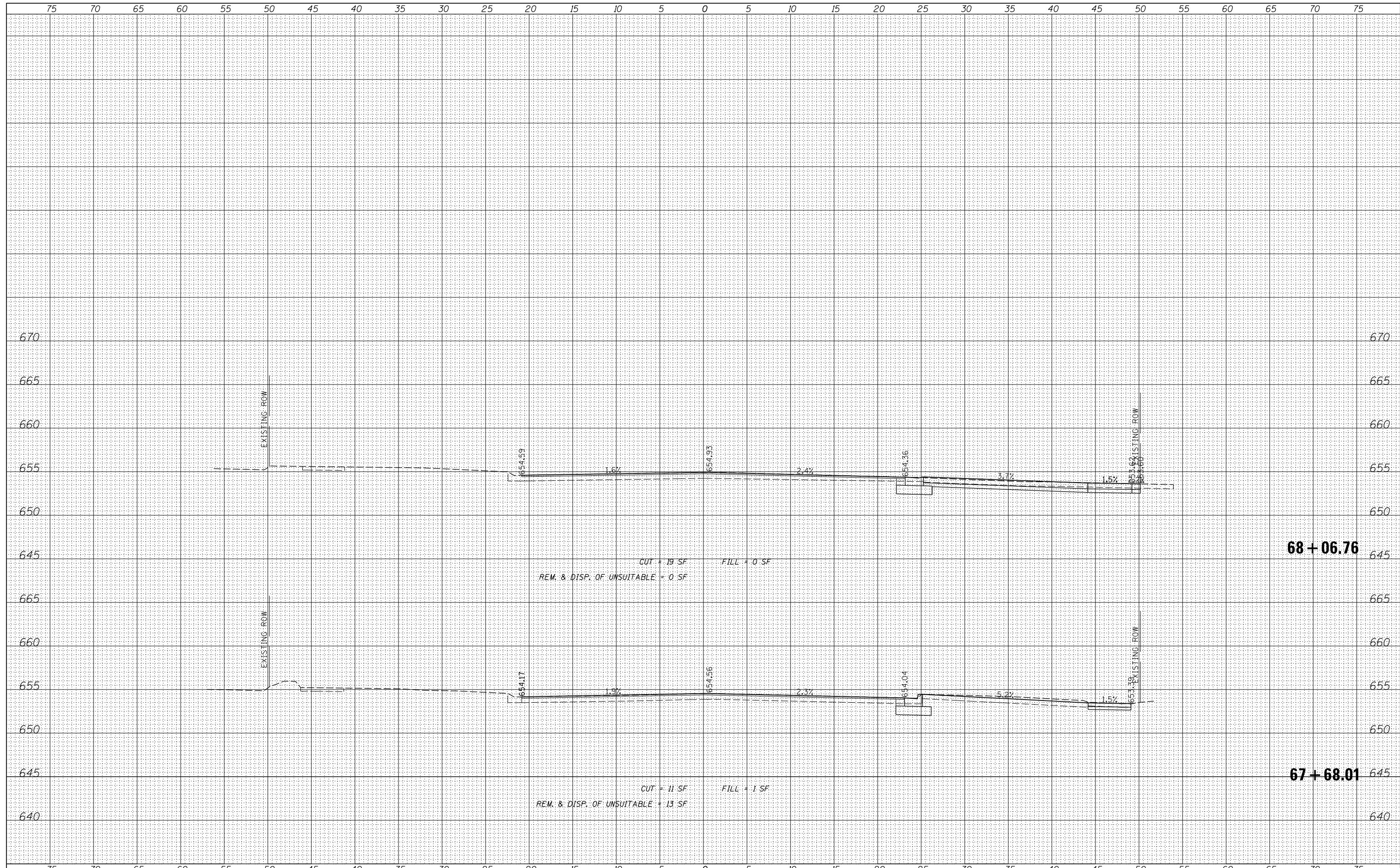
E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS
 SCALE: 5' SHEET 33 OF 35 SHEETS STA. 65+00.00 TO STA. 66+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	209
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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	DRAWN - AJS	REVISIED -
PLOT SCALE = 5'	CHECKED - BMW	REVISIED -
PLOT DATE = 11/9/2023	DATE - 11/9/2023	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**E. 9TH STREET (IL RT 7)
 PROPOSED CROSS SECTIONS**

SCALE: 5' SHEET 35 OF 35 SHEETS STA. 67+68.01 TO STA. 68+06.76

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	18-00084-00-WR	WILL	211	211
				CONTRACT NO. 61H98
ILLINOIS FED. AID PROJECT				

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